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Demographic and human capital scenarios for the 21st century

2018 assessment for 201 countries

Wolfgang Lutz, Anne Goujon, Samir KC, Marcin Stonawski, Nikolaos Stilianakis (Eds.)

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Preface

In 2016, the Joint Research Centre (JRC) of the European Commission and the International Institute for Applied Systems Analysis (IIASA) agreed to form a partnership for the establishment of a joint Centre of Expertise on Population and Migration (CEPAM) which was launched in Brussels in June 2016 at a high-level event with several Commissioners as well as policymakers, analysts and researchers from around Europe. Among others, the new Centre was tasked to provide multidimensional assessments of future population trends in Europe, as well as in the potential regions of origin for migration into Europe. These scenarios will serve as a basis for defining detailed alternative migration scenarios in terms of volume and composition of migrants for the coming decades. The scenarios will be assessed in terms of their long-term implications for the labour forces, social cohesion and integration in the European Union. This analysis will be performed through multidimensional projections at the aggregate national level, as well as through micro-simulation models with findings to inform migration policies in Europe.

This volume presents an update of multidimensional population projections by age, sex and level of educational attainment for 201 countries in the world, as well as by labour force participation for all EU Member States. This provides essential background information for assessing the demography-based pull and push factors in different parts of the world as possible direct or indirect drivers of future migration streams. This multidimensional demographic approach is broader in its scope than the more conventional analysis by age and sex only. It goes back to the original and widely accepted definition of demography as the scientific study of changing population size and structures, where the structures studied include in addition to age and sex also other dimensions such as place of residence, highest educational attainment, labour force participation, place of birth, ethnicity and other individual characteristics that are usually collected in censuses. The multidimensional demographic methods for analysing population dynamics by these demographic dimensions have been developed in and around IIASA since the 1970s. Hence, the current collaboration between IIASA and JRC brings this multidimensional approach to the benefit of the most comprehensive state-of-the-art analysis of demographic drivers and consequences of migration.

Executive summary

This volume presents different scenarios of future population and human capital trends in 201 countries of the world to the end of this century to inform the assessment of possible future migration patterns into the EU, as currently carried out by the Centre of Expertise on Population and Migration (CEPAM) Project (collaboration between JRC and IIASA).

The study also goes beyond the conventional population projections, which only consider age and sex structures, by taking a multi-dimensional approach through adding educational attainment for all countries and also labour force participation for EU member states. The definition of scenarios in this study follows the narratives of the SSPs (Shared Socioeconomic Pathways) which are widely used in the global change research community. The *Medium* scenario (*SSP2*) foresees that fertility and mortality follow a medium pathway, which can be seen as most likely from today's perspective. The scenario of *Rapid Development* (*SSP1*) assumes rapid increases in life expectancy, a faster fertility decline in high fertility countries and an education expansion path that follows the education goals given by the SDGs (Sustainable Development Goals). The *Stalled Development* scenario (*SSP3*) presents a divided world, foreseeing a stall in educational expansion in developing countries as well as continued high fertility and high mortality. Moreover, these scenarios also serve policy considerations in many other fields, ranging from the economic consequences of population ageing to development priorities in Africa, global population and environment interactions.

This volume also serves as an update of the scenarios presented in the 2014 Oxford University Press book entitled 'World Population and Human Capital in the 21st Century' (Lutz et al 2014), which includes the most comprehensive summary of different possible scientific arguments underlying the assumptions of future fertility, mortality, migration and education trends in different parts of the world with input from over 550 population experts. This new 2018 assessment also has a new 2015 baseline and adjusts the near term (up to 2030) fertility and mortality assumptions accordingly, while maintaining the long term assumptions as justified in the 2014 book. In terms of migration, it combines three rough migration assumptions – *zero migration*, *constant rates* as observed over the past 60 years and *double those rates* – with medium fertility and mortality trends to illustrate the sensitivity of longer term population trends to alternative migration intensities.

In terms of global level results, in the *Medium* scenario, world population continues to increase until around 2070-2080 when it reaches a maximum level of around 9.8 billion before starting a slow decline, reaching about 9.5 billion by the end of the century. This projected increase is lower than the recent United Nations projections based on a different model, and higher than in the above mentioned 2014 book which uses the same long-term assumptions. An important reason for increase in the outlook lies in the fact that child mortality, particularly in Africa, declined more rapidly than was previously assumed by all international projections. In demographic terms, a decline in child mortality has the same effect on the number of surviving children as an increase in fertility. Hence, already the population baseline of 2015 was markedly higher than had been projected on the basis of the 2010 baseline, which was used in the previous assessment.

However, in the long-run demography is not destiny and alternative scenarios show a broad range of possible futures. Assuming rapid social development (*SSP1*), in particular a rapid expansion of education following the Sustainable Development Goals, world population would after a further increase start to decrease, reaching a peak population of around 8.9 billion in 2055-2060 and a decline to 7.8 billion by the end of the century. Assuming on the other hand stalled social development (*SSP3*) and thus lower female education and higher fertility rates for each education group, world population already reaches the 10 billion mark around 2045 and then continues to grow over the rest of the century reaching 13.4 billion in 2100. This scenario is also likely to be associated with widespread poverty and weak resilience to already unavoidable environmental change.

As for the European Union, projected population size under the *Medium* scenario of EU-28 in 2060 is very close to the current baseline of 2015, namely around 507 million inhabitants. However, the trajectory of change would have a convex shape reaching a maximum 512 million people around the year 2035. While the initial increase is mostly a consequence of assumed immigration to the EU, the following decline results from persistent sub-replacement fertility levels which will have developed negative growth momentum through an age structure with fewer young people. Under the scenario of *Zero Migration* the population of the EU-28 would decline to around 460 million by 2060, while under the *Double Migration* scenario it would increase to 550 million. Under all scenarios the population of the EU-28 shows significant ageing, which is more pronounced

under low fertility and low immigration assumptions. However, the scenarios that explicitly consider education and labour force participation also show that the total labour force in Europe does not necessarily shrink, if labour force participation around the EU would approach that of Sweden today and that the future labour force could also be more productive.

The population of sub-Saharan Africa, on the other hand, is likely to more than double by 2060 from currently around 1 billion to 2.2 billion under the *Medium* scenario and even 2.7 billion under the Stalled development *SSP3* scenario. Hence, with the demographic transition in Asia well advanced, the future of world population growth will largely be decided in Africa with the future education of women as a main determinant of fertility playing a key role. There has been recent moderate progress in education expansion but continued progress is not guaranteed, despite the fact that today in virtually all countries the young generations are better educated than the older ones. But as shown by the Stalled development (*SSP3*) scenario the combination of high population growth with no further schooling expansion can actually result in an increase of the proportion without any formal education even at the global level, from 10 to 22 percent by the end of the century. This possible stall in education will not only accelerate population growth but also likely be associated with widespread poverty and high vulnerability to already unavoidable climate change.

The combined trends of decreasing fertility and increasing life expectancy will lead to continued population ageing in the world in the future. The world will be significantly older. In all scenarios presented in the report, as well as those used by United Nations, the share of older people increases over time. For example, in our *Medium* scenario the percentage of those aged 65 and more increases from around 8 % in 2015 to 20 % by 2060. In the European Union, the share of older people will grow from around 20 % in 2015 to 32 % in 2060 according to the *Medium* scenario. In 2060 half of the population in this region will be at an age of at least 50 years. A particularly dynamic process would be observed in Eastern European member states where lower fertility and high life expectancy is accompanied by high volumes of emigration accelerating ageing, if the current trends continue. These structural changes would lead to significant socioeconomic challenges for societies in the future.

The long-term population and human capital scenarios for all countries of the world presented in this volume clearly show that the future trends are still undetermined within certain bounds and thus can be influenced by policies. In the near-term future demographic changes are to a large extent set in terms of population age structures resulting from past fertility, mortality, migration and education trends. In the near-term migration is the only volatile component of population change that can also be influenced by policies.

CHAPTER 1

Introduction: population and migration



1 Introduction: population and migration

Wolfgang Lutz

1.1 Introduction

In the context of recent migration trends, the topic of global population has gained new prominence and attention in public life. This concern is fuelled by seemingly great demographic imbalances, with some populations in Africa and South Asia still growing rapidly while others in Europe and East Asia are rapidly ageing and in part already shrinking. This demographic gradient is particularly sharp between southern Europe, where fertility levels are very low and life expectancy is high, and the neighbouring African continent where projections still expect a doubling of population by mid-century and a tripling or even quadrupling by 2100. Since this demographic differential is also associated with a very strong income gradient and possible socio-political instability, it presents a classic case of strong migration pressure with even a tendency to increase in the future.

These differences and the resulting migration pressures constitute what classic migration analysis calls pull- and push factors. In Europe, rapid population ageing is resulting in a shrinking proportion of the population in the conventional working ages, which leads many commentators to see a 'demographic need' for immigration. In Africa, on the other hand, the combination of still widespread poverty with rapid population growth is resulting in a massive expansion of the potential labour force and likely further increases in unemployment, a situation which even in the absence of armed conflicts or environmental crises — which are additional push factors — results in out-migration pressure that has in the past often caused strong out-migration flows. We only have to think back one century to recall when Europe was in a comparable stage of demographic transition as Africa is today, a period in which tens of millions of Europeans decided to leave for the New World.

But changing population size and age structure are only first-order demographic dimensions and provide an incomplete and somewhat superficial picture. Serious scientific assessments of demographic migration drivers need to take into account further important demographic dimensions. In terms of pull factors we need to look at the changes in the size of the labour force as well

as its productivity and not only at the changing age structure. Only looking at changes in the proportions of the population between fixed age boundaries of 20 and 65 years is a very poor approximation of future changes in the labour force in Europe. We need to consider changing labour force participation, another relevant demographic characteristic. Since reliable data on labour force participation rates by age and sex exist for all EU Member States, there is no reason to disregard this important demographic dimension in our analysis. Actually, a chapter in this volume shows that, if female labour force participation rates in the rest of Europe gradually approach those already observed in Sweden today, there will hardly be any decline in the total EU labour force, in spite of population ageing and the retirement of big baby-boom cohorts. Educational attainment and the associated differences in productivity of the labour force constitute another important demographic dimension that can and should be taken into account when considering the 'demographic need' for migration.

Demographic models can project the future supply of labour by age, sex, level of education and country of residence, but they will not be able to forecast the future demand for labour. For this, economic models with assumptions on future technological changes are needed which goes beyond the scope of this volume. In this volume we will present multidimensional demographic scenarios in an attempt to synthesise the best demographic knowledge available, which can further the goal of determining future population related pull and push factors for all countries of the world.

1.2 Multidimensional demography: focus on human capital

This volume presents a multitude of different scenarios based on alternate assumptions on future migration, fertility, mortality and education and — in the case of EU countries — also labour force participation. Such projections with a stratification of populations by more demographic characteristics than just the conventional

age and sex is made possible by the powerful methods of multi-state demography, which were developed in and around IIASA during the 1970s. Despite its apparent appeal and well established methodological basis (Keyfitz and Rogers, 1982) multi-state population dynamics is not yet widely known and applied. This is why we will start with some more general considerations and an explanation of the rationale for producing population projections by age, sex and level of education for all countries in the world ⁽¹⁾.

In general, human beings have many observable and measurable characteristics that distinguish one individual from another, as well as one sub-group of a population from another. In demography, the sex of a person is considered a fundamental characteristic because it is essential for studying the process of reproduction. Other demographic processes such as mortality and migration also show significant variation by sex/gender. Age is another key characteristic of people because it is the main driver of biological maturation in early ages, and matters for social institutions such as school attendance, labour force entry and retirement. There are also distinct variations in fertility, mortality and migration intensities with age.

But individuals differ in many measurable characteristics other than age and sex. Various biological, social and economic characteristics such as urban/rural place of residence, marital status, educational attainment level, race, migration status, employment status, income group and health/disability status are measurable characteristics of people that demographers have taken into account. It has been argued that among these, educational attainment level is the single most important source of observable population heterogeneity that should be routinely added to population analyses based on three criteria (Lutz, 2010; Lutz et al., 1998): (a) its explicit consideration is feasible in terms of available data and methodology; (b) it matters significantly in terms of altering population dynamics when explicitly addressing this source of heterogeneity; and (c) it is of interest in its own right in terms of its social and economic implications. The following sections will address these criteria separately. Such integration of education can also be interpreted as adding a 'quality' dimension to the analysis of population numbers.

Human capital is usually defined to encompass both the education and health of people. While health is an important prerequisite for effectively attending school at a young age and matters for economic productivity at adult age, here we will focus primarily on education

because it can be measured more consistently across countries and because an exciting new field of analysis has recently opened in the field of demographic education modelling.

When measuring education, it is important to conceptually distinguish between education flows and stocks. The flows refer to the process of education, to schooling, or more generally the production of human capital which may consist of formal and informal education. This process of education is the central focus of pedagogics and education science with the usual statistical indicators as school enrolment rates, student-teacher ratios, drop-out rates and repetition rates. Human capital refers to the stock of educated adults which is the result of past education flows for younger adults in the more recent past and for older ones quite some decades ago. This stock is usually measured in terms of the quantity of formal education (highest level of attainment or mean years of schooling), but the quality dimension (the skills people actually have) and content or direction of education also matter. Education quality in terms of measurable skills (reading test as included in the Pisa studies or an increasing number of adult literacy tests) has recently been shown to also matter greatly for many of the benefits of education, in particular with respect to income (World Bank, 2018). Content matters more for higher education than basic education, where the main aim is the acquisition of literacy skills and basic numeracy. The quantity of formal education is often measured by the mean years of schooling of the adult population above either the age of 15 or 25. This has the advantage of capturing the entire human capital of a population at one point in time in one single number (or two when one distinguishes between men and women). But there is much to be gained from breaking down this highly aggregate measure into both the full distribution of educational attainment categories (capturing the inequality in education) and into different age groups, hence revealing inter-cohort changes that drive many of the consequences for society and economy that come from improving human capital.

Multi-state methods are particularly appropriate for modelling changes in educational attainment. They subdivide the population into different states (regions or education categories) which all have their specific fertility, mortality and migration patterns and where transition rates describe movements between states. The model is simplified to education in its application, for the fact that transitions from one state to another only go in one direction (people only move up to higher attainment categories) and transitions are concentrated at younger ages. Furthermore, fertility and mortality levels tend to

⁽¹⁾ This section heavily draws on (Lutz and Samir KC, 2011).

vary greatly and systematically by level of education and hence their explicit consideration makes a crucial difference (discussed below).

In applying these methods for projecting backward (reconstruction, Goujon et al., 2016), or forward into the future, one has to have a data point for which the size and structure of the population by age, sex and level of educational attainment is available empirically. Given this information, the basic idea of projecting is straightforward: Assuming that the educational

attainment of a person remains invariant after a certain age, one can derive, e.g. the proportion of women without any formal education aged 50-54 in 2005 directly from the proportion of women without any formal education aged 45-49 in 2000 and vice versa after considering the education specific mortality and migration rates between those ages. One has to make further adjustments for the fact that higher education levels can still change after age 15 and fertility, mortality and migration vary by level of education.

FIGURE 1.1: Population of Croatia by age and sex and education level for 1970, 1990, 2010 and projected for 2030 (Source: Wittgenstein Centre for Demography and Global Human Capital, 2015)

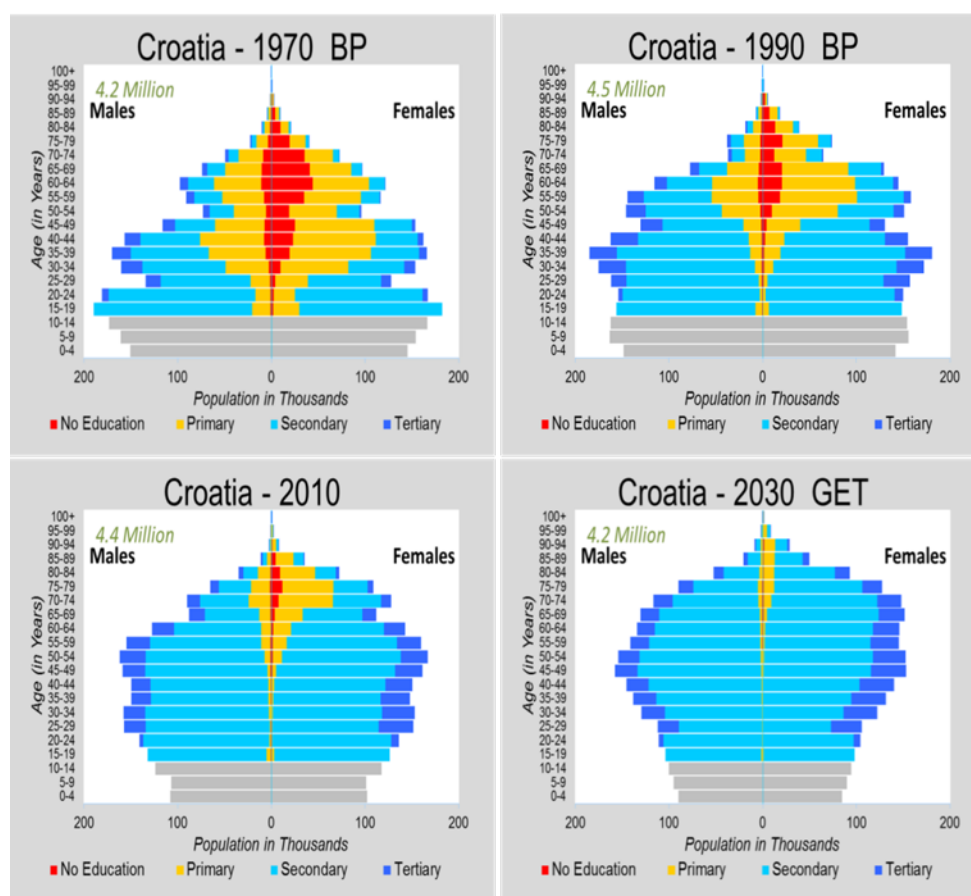


Figure 1.1 illustrates this dynamic with the example of Croatia, the EU's youngest member, for the period 1970 to 2030. Red shows the number of men and women without any formal education. They were still very numerous among the elderly female population in 1970. Orange indicates persons with some primary education, light blue completed junior secondary and dark blue completed tertiary education. The figure also shows that today the younger cohorts are much better educated than the older ones. Reconstructing the education structure for the year 1970 follows the procedure described above along cohort lines: those aged 50-54 in 2000

were aged 20-24 in 1970. Applying the same procedure for forecasting, when the cohort aged 20-24 in 2010 will be aged 40-44 in 2030 it will essentially maintain its proportions with primary and secondary education. Only the tertiary category may still grow slightly after the age of 20-24. This figure also illustrates that much of the future improvement in educational attainment of the adult population is already embedded in today's education structure. Future changes in school enrolment rates will only make a difference for younger cohorts.

This three dimensional population model by age, sex and level of education was calculated for all countries of the world. Almost universally, the children of more educated women have lower mortality rates. A great deal of research has focused on substantiating the causal relationship between maternal schooling and child health (Caldwell, 1979; Fuchs et al., 2010). Education levels also matter greatly for adult mortality where the differences in life expectancy between the highest and lowest education groups can be up to 12 years (Caselli et al., 2014). In terms of fertility, the educational differentials are equally pervasive. Empirical data for developing countries show that, almost universally, better educated women consistently want fewer children, have greater autonomy in reproductive decision-making, more knowledge about and access to contraception and use it more effectively (Bongaarts, 2010; Cleland and Rodriguez, 1988). In the most developed countries educational fertility differentials still exist, although the differences are less pervasive (Basten et al., 2014). Since these education differentials in fertility and mortality are extensively documented and discussed in the volume preceding this one (Lutz et al., 2014), such analysis will not be repeated here.

Education matters greatly for almost every aspect of progress in human development. The empowering function of education is considered a major goal in its own right. The Human Development Index, one of the most widely used indicators for desirable social and economic progress, consists of three components, one measuring progress in education itself and the two others capturing progress in health and material wellbeing. There is reason to assume that these latter two aspects are to some extent driven by progress in the education of the population and that indeed human capital may be viewed as the root cause of human development (Lutz, 2009). The human capital data that are differentiated by age and sex help to shed some light on this assertion.

In economics it has been assumed for a long time that education has an important positive effect not only on individual earnings, but also on aggregate-level economic growth. While the empirical evidence is unambiguous for individual-level earnings, the statistical evidence for economic growth has been rather weak until recently. The reasons for this unsatisfactory situation can be found in the lack of precision of the education data used and more specifically in the lack of explicit consideration for the age structure of human capital (Benhabib and Spiegel, 1994; Cohen and Soto, 2007; de la Fuente and Doménech, 2006; Lutz et al., 2008). As can be seen from the example of Croatia in Figure 1.1, the most frequently

used indicator of human capital in economic growth regressions — the mean years of schooling of the entire adult population above the age of 25 — averages over age cohorts with very different levels of education, including the highly educated young cohorts as well as the poorly educated older ones (see e.g. Figure 1.1 for Croatia in 1970-1990). In recent analyses that explicitly consider the age structure of human capital, it could be shown that economic growth is fastest when the better educated young cohorts enter young adulthood. This pattern is most clearly visible for the Asian tiger states where the inter-cohort improvements in education were dramatic. At the global level, the age-specific human capital indicators statistically confirm the key role of human capital for economic growth unambiguously (Lutz et al., 2008).

1.2 A European perspective

The scenarios by age, sex and level of education for 201 countries until 2100 — complemented by 4-dimensional projections which include labour force participation for all EU Member States — present the first global population projections produced within the European Commission and in collaboration with IIASA. They will not only serve as necessary background information for the JRC-IIASA (CEPAM) migration project described above, but can be used for many other policy areas of the Commission, ranging from external affairs and development to neighbourhood and questions of future fiscal stability of Member States. Outside Europe, the US Census Bureau regularly produces population projections for all countries in the world in the form of a single scenario by age and sex without alternative migration assumptions which are being used by other departments of the US government. The UN Population Division produces probabilistic population projections for all countries of the world by age and sex up to 2100. It also publishes high and low fertility scenarios, but no scenarios based on alternative migration assumptions. The Wittgenstein Centre for Demography and Global Human Capital (a collaboration between IIASA, the Vienna Institute of Demography of the Austrian Academy of Sciences, and the Vienna University of Economics and Business) has produced a set of global population scenarios to 2100 by age, sex and level of education for all countries of the world which was published in Lutz et al. (2014). These alternative scenarios follow the narratives of the SSPs (Shared Socioeconomic Pathways) which have been defined by a consortium of global environmental change research groups. As will be described in the following chapter, the scenarios presented in this volume are essentially an update of this 2014 assessment.

In terms of the CEPAM research agenda, this new assessment will be one of the pieces of scientific background analysis to be discussed at a conference in Brussels in April 2018, during which a large number of 10-15 alternative migration scenarios will be defined. As a contribution to the first stage of the project this background volume only presents three 'naïve' migration scenarios: (1) the medium one, which assumes constant in- and out-migration rates for the rest of the century at the average level that was observed for each country for the period 1960-2015 (CEPAM Medium (SSP2) scenario); (2) a double migration scenario, which assumes twice this average level of in- and out-migration rates (CEPAM Double Migration (SSP2) scenario); and (3) a zero migration scenario, which assumes zero in- and out-migration (CEPAM Zero Migration (SSP2) scenario). These three naïve scenarios should not be seen as realistic forecasts of future migration but were designed to essentially serve as benchmarks against which to understand the role of migration as a driver of future population trends. A meeting in April 2018 will then define a set of more detailed alternative migration scenarios (in terms of volume and direction of flows as well as composition of flows by age, sex, education and labour force participation) which possibly correspond to the outcomes of alternative future European migration policies. These new scenarios will then be added to the set of scenarios presented in this volume and assessed in terms of their long-term demographic and economic implications. They will also be calibrated by a set of micro-simulation models for all EU Member States, which have many more individual characteristics (such as duration of stay in the country, region of origin, language use, education of mother, religious affiliation and various aspects of employment) in order to assess the potential integration and the consequences on social cohesion of these alternative migration scenarios.

1.3 Structure of the volume

The following chapter will give a brief summary of the general projections approach used in this volume and the way assumptions for future fertility, mortality and education trends have been defined for all countries in the world. This chapter also discusses the underlying narratives of the SSP scenarios and talks about the sources of data used.

In Chapter 3, the scenario results by age, sex and level of education for the 28 EU Member States are summarised. These findings are built on by Chapter 4, which adds age-, sex- and education-specific labour force participation scenarios for all Member States. This chapter thus presents the basis for understanding what is the range of possible future size and education (productivity) of the European labour force, considering endogenously driven factors that do not yet include specific immigration policies and their effects. There are also four-page Appendix tables for each Member State that give detailed results and compare scenarios to the projections of Eurostat and those produced by the national statistical offices.

Chapters 5 to 10 then summarise the scenario results for the other regions of the world. For this purpose, the countries of the world have been grouped into six regions: Eastern Europe and Central Asia (Chapter 5), Middle East and North Africa (MENA, Chapter 6), sub-Saharan Africa (Chapter 7), Asia (Chapter 8), Latin America (Chapter 9) and North America (Chapter 10). These chapters only present selected highlights of interesting future trends, since more detailed results for each country are documented in a two-page Appendix table and a much more extensive online database.

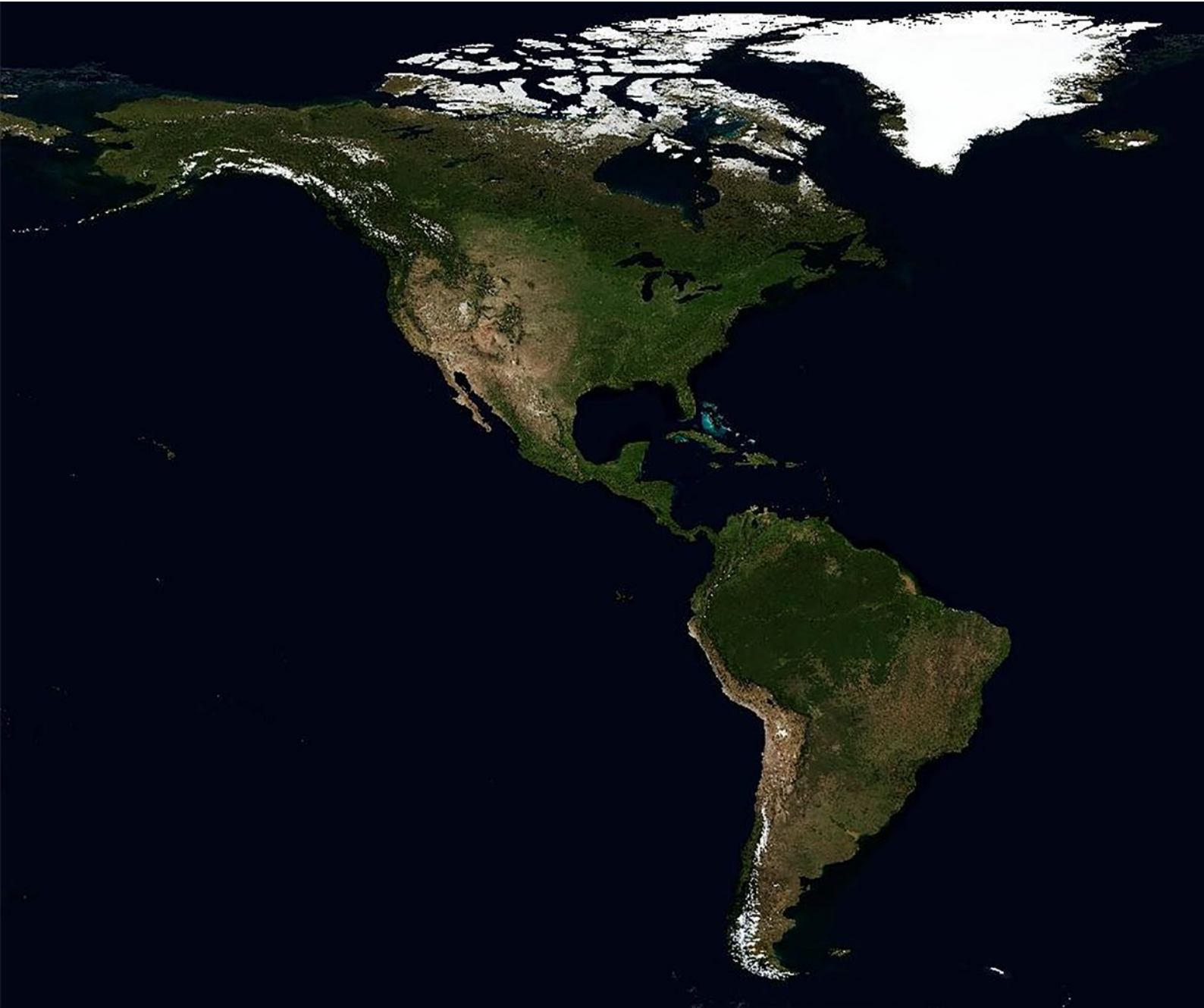
Chapter 11 discusses the global level results and compares them to other recent global population projections. Chapter 12, finally, offers some conclusions in terms of the key questions motivating this new assessment of global long-term population scenarios, in particular whether Europe does indeed 'need' migrants for demographic reasons and the likely out-migration pressures in some potential sending countries.

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CHAPTER 2

Approach, methods and assumptions



2 Approach, methods and assumptions

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2.1 Background and introduction

The population scenarios by age, sex and level of education presented in this volume for 201 countries in the world are essentially an update of those produced by the Wittgenstein Centre for Demography and Global Human Capital (WIC, a collaboration of IIASA, the Austrian Academy of Sciences and WU) in 2011-2013, published in a 1 000-page book with Oxford University Press in 2014. They are the result of merging the well-established, but still infrequently used methods of multidimensional population projections with the largest ever global expert inquiry into the scientific reasoning involved in setting assumptions on future fertility, mortality, migration and education for all parts of the world. These expert assessments were then blended with statistical extrapolation models to develop alternative scenarios for these four components of population change. These scenarios followed the substantive narratives developed in the context of the SSPs (Shared

Socioeconomic Pathways) which have been defined by the international research community in integrated assessment analysis and global climate change (Lutz et al., 2014; O'Neill et al., 2015) as will be described below.

The toolbox for technical demographers contains powerful methods of multidimensional (multi-state) population dynamics, which were developed around 1980 in and around the Population Program of the International Institute for Applied Systems Analysis (IIASA). They represent a generalisation of the widely used cohort-component method of projecting by age and sex and are tailor-made for the task of integrating the processes of human capital formation with education-specific fertility, mortality and migration. They provide a comprehensive, analytically consistent, and directly applicable model for projecting these interdependent processes.

BOX 2.1

A brief history of international population projections by IIASA

For the production of the new set of population scenarios presented in this volume JRC joined forces with IIASA building on the history of population projections of IIASA. Since its establishment in 1972, the International Institute for Applied Systems Analysis (IIASA) has had a demography group first under the leadership of Andrei Rogers (1973-1984), and then Nathan Keyfitz (1984-1994), followed by Wolfgang Lutz (since 1994). The focus in the early years was on developing the methods of multidimensional mathematical demography. These methods incorporate a generalisation of the conventional life table and cohort-component approach to population forecasting, in which the population is stratified by demographic dimensions beyond age and sex. Inspired by the need for long-term population scenarios from IIASA's environmental change programmes, more

recently these methods were applied to generating actual projections for many countries. In doing so, IIASA developed the approach of expert-argument based projections (in which the substantive reasons for making certain assumptions are argued qualitatively), as well as pioneered global probabilistic projections.

Instead of summarising this history of expert-argument based population projections on which this new set of scenarios builds, the interested reader is referred to the following four books and three articles in the pages of *Nature* that also show the evolution of the approach over time:

- Lutz, W. (Ed.) (1991), *Future demographic trends in Europe and North America. What can we assume today?* London, Academic Press.

- Lutz, W. (ed.) (1994, 1996), *The Future Population of the World. What Can We Assume Today?* London. Earthscan.
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The new set of global population projections presented in this volume updates and extends the scenarios presented in the 2014 volume. While those projections were based on 2010 baseline data, which did not yet include the results of the 2010 round of censuses for most countries, the new projections have a 2015 baseline which mostly includes this census information, as well as more recent information from population registers, vital registration and demographic surveys. Since these new projections have been generated by a project whose major purpose is to assess the impacts of alternative migration scenarios, a CEPAM Zero Migration (SSP2) scenario and a CEPAM Double Migration (SSP2) scenario has been added to the average migration scenario for all countries. Two further advances have been made for the 28 member countries of the European Union: The highest education category has been split into three more detailed categories (from general post-secondary to some post-secondary, completed BA and completed Master or higher) to account for the fact that a rapidly increasing proportion of younger cohorts in Europe do get some sort of post-secondary education; a fourth demographic dimension for labour force participation rates has been added to the three-dimensional scenarios by age, sex and level of education. Also, due to the specific European nature of the CEPAM project and this new assessment, a section has been added in the Appendix tables for the EU countries which compares the results of these projections to those of Eurostat and national statistical offices.

In this chapter, we first summarise the general approach taken to derive assumptions about future fertility, mortality, migration and education trends for all countries of the world. Next, we discuss specific adjustments that had been made to the near-term assumptions as a consequence of a new 2015 baseline, while maintaining the longer-term assumptions as extensively justified in the 2014 volume. Finally, we introduce the general Shared Socioeconomic Pathways (SSP) narratives that were used to define the specific scenarios described in this volume.

2.2 Defining assumptions for population and human capital projections

The population projections by age, sex and level of education presented here are based on a multidimensional generalisation of the so-called cohort-component projection model which projects populations by cohorts and requires assumptions about future fertility, mortality, migration, and education trends. An important prerequisite for suggesting the addition of educational attainment, as a third demographic dimension in addition to age and sex, is the assumption that the relationship between education and demographic outcomes is not spurious, rather real and causal in nature (Lutz and Goujon, 2001). In the projections presented here *functional causality* was established (as *strong causality* in the sense of universal validity is almost impossible to establish in social sciences) through assessing three criteria: (a) a *strong empirically observed associations* between the two factors studied; (b) a *plausible narrative about the mechanisms* through which one force influences the other; and (c) the exclusion of alternative explanations of the observed associations.

Lutz and Skirbekk (2014) demonstrate that these three criteria are being met in the case of education effects on health, mortality, and fertility through a broad review of the literature that also includes several ‘natural experiments’. The effects of education on human behaviour derive their foundations from modern brain research: neurological studies have confirmed beyond doubt that brain volumes, cortical thickness, and neurological structures can be affected by increased education which has direct consequences for health and fertility-related behaviour (Lutz, 2017).

The mid- to long-term assumptions used in this set of population projections are the same as the one used in Lutz et al. (2014). For the definition and substantive

reasoning of the specific assumptions made, the reader is referred to the chapters of this 2014 volume which provide comprehensive reviews of the scientific literature on the drivers of future fertility, mortality, migration, and education trends and the results of the largest ever expert survey for assessing the validity of alternative arguments drawing from over 550 international experts who either participated in a series of five substantive meetings or took part in an extensive online survey.

In a nutshell, for the CEPAM Medium (SSP2) scenario these assumptions imply that fertility gradually converges for all countries to a long term level somewhat below replacement level and that mortality continues to improve with life expectancy increasing by about two years per decade until the end of the century with some of the high mortality countries catching up more rapidly.

For migration it was concluded that there is no good migration theory to guide specific migration assumptions and that the best one can do is to assume constant in- and out-migration rates at an observed level for the CEPAM Medium (SSP2) scenario. In terms of education, a continuation of the global education expansion trends for each level was taken as the CEPAM Medium (SSP2) scenario. These mid- to long-term assumptions are essentially identical in this new assessment and in the 2014 book. But the change of the baseline from 2010 to 2015 requires some short-term adjustments to the assumptions that will be specified in the following section.

2.3 Adjustment of assumptions due to the new 2015 baseline

With the long-term assumptions remaining essentially unchanged from the 2014 book, the only issues that will be addressed here are the modifications in assumptions that resulted from changing the starting year (baseline) from 2010 to 2015. The new population data by age and sex for 2015 (for population size and structures) and 2010-2015 (for fertility, mortality and migration) has essentially been taken from the UN 2017 assessment (United Nations, 2017).

2.3.1 Baseline data: populations by age, sex and educational attainment

The starting point for the update of the educational attainment by age and sex was the previous dataset that included information for 171 countries (Bauer et al., 2012). As previously, we have not relied on the data collected and published by the UNESCO or other agencies and instead focused on collecting the 2010 census round data directly from the national statistical offices. For countries without census data we have collected new waves of surveys such as Demographic and Health Survey (DHS) or Multiple Indicator Cluster Survey (MICS) when available. Compared to the previous dataset that included educational attainment by age and sex for 171 countries, we have increased the coverage to 185 countries (92 % of the countries comprising 99 % of the world's population). The table below summarises the data availability and lists newly added countries and those with missing data. The previously collected set of baseline data is called 'WIC 2014' whereas the new updated one that provides the basis for this volume is called 'WIC 2017'.

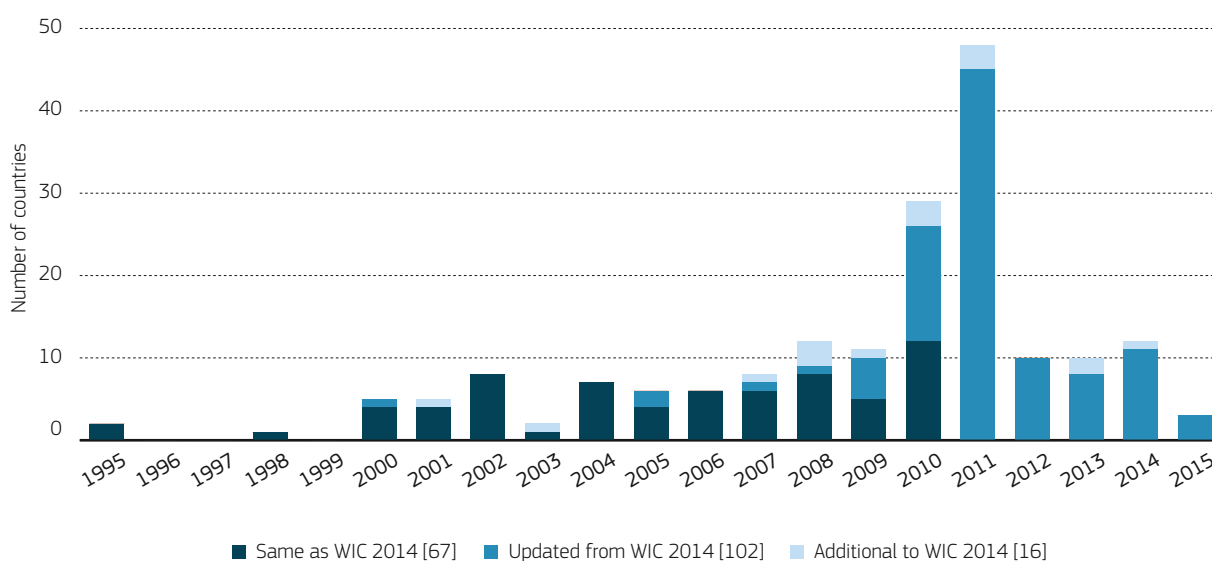
TABLE 2.1: Country coverage of the updated WIC 2017 dataset by UN regions

UN region	All countries	Countries covered	Countries covered (%)	Population covered (%)	Countries with missing education data	New countries covered in WIC 2017 dataset
Europe	40	39	97.5	99.9	Channel Islands	
Asia	51	49	96.1	99.3	Brunei, Uzbekistan	Afghanistan, North Korea, Oman, Sri Lanka, Taiwan, Yemen
Africa	57	50	87.7	98.6	Djibouti, Eritrea, Libya, Mauritania, Mayotte, Seychelles, Western Sahara	Angola, Botswana, South Sudan, Sudan, Togo
Northern America	2	2	100	100		
Latin America	38	34	89.5	99.9	Antigua and Barbuda, Barbados, Grenada, US Virgin Islands	Curaçao
Oceania	13	11	84.6	79.6	Papua New Guinea, Guam	Fiji, Kiribati, Micronesia, Solomon Islands
World	201	185	92.0	99.2		

Besides new data for 16 countries (lightest blue in Figure 2.2), we have updated information for 102 countries (blue in Figure 2.2), either in terms of more recent census or survey, or in terms of data quality. For 67 countries we use the same data source as in the previous baseline in Bauer et al. (2012) (dark blue in Figure 2.2). The WIC 2017 dataset has information for 112 countries with data pertaining to 2010-2015 (up from 12 in WIC 2014 dataset). Good quality data are still hard to get or update for many countries in the

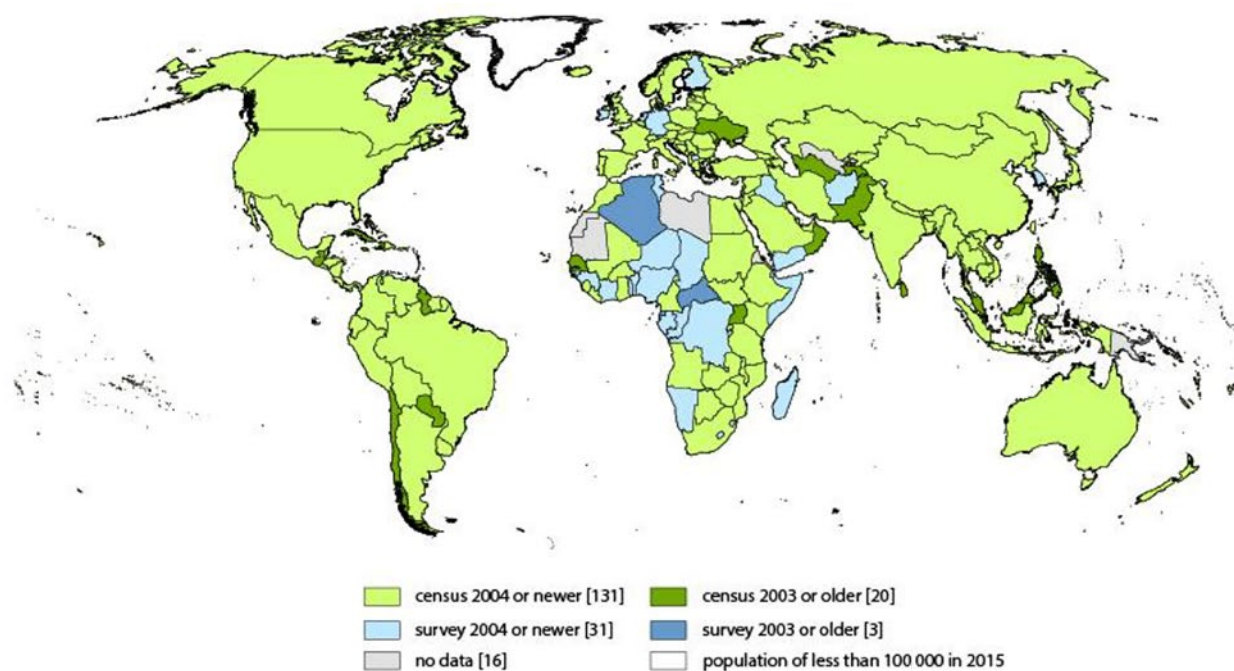
Middle East, Africa and Central Asia, in many cases due to political unrest and violent conflicts. For example, we still have to rely on data sources from before year 2000 for the Central African Republic (DHS 1995), Pakistan (the latest census collected in 1998) and Turkmenistan (the latest census in 1995). Educational compositions of the 16 countries with missing data on educational attainment were imputed using proxy countries from the region.

FIGURE 2.2: Update of the WIC 2017 educational data (Source: own calculation)



Census data tend to provide more complete (for example capture all age groups not only persons in reproductive or economically active ages) and reliable information than most surveys. In total, we have collected census data for 126 countries from the 2010 census round, and for 20 countries from the 2000 census round (Figure 2.3 on the next page). For five countries (Austria, Switzerland, Estonia, Norway and Sweden) we used, at the time of data collection, the most up to date register data. In the WIC 2017 dataset we have replaced the previous survey information (mostly from DHS) for 25 countries.

If register or census data were not available, reliable or of sufficient quality, we turned to representative sample surveys (six countries), DHS (19 countries) or other household surveys (nine countries). In addition, for the survey data with age heaping we have used smoothing techniques to correct for the bias. In addition, an extensive validation of educational compositions has been carried out between different data sources for a country, as well as towards the older data used in the previous baseline when relevant.

FIGURE 2.3: Data types used in WIC 2017 dataset for 185 countries (Source: own calculation)

Educational categories surveyed in the censuses and surveys tend to be based on national educational programs. Due to the variety of nationally distinct educational systems, UNESCO designed the International Standard Classification of Education (ISCED). In the previous dataset, the six educational categories were based on ISCED 1997 as 2011 revision was not implemented yet and ISCED mapping for 2011 revision were not readily at hand. Table 2.2 depicts the differences between the ISCED 1997 and 2011, and the correspondence to the WIC education categories. It also shows that the 2011 revision differs in differentiation

within the post-secondary categories. While ISCED 1997 distinguished between six main levels, the 2011 revision expanded to eight. All changes consider the post-secondary level. This means that the standard six WIC educational categories — no formal education, incomplete primary, completed primary, completed lower secondary, completed upper secondary, and post-secondary — correspond to both ISCED revisions. For the allocation rules used in translating the national educational categories from the censuses and surveys to ISCED categories we refer the reader to Bauer et al. (2012).

TABLE 2.2: Translation of ISCED classifications into WIC categories of educational attainment (WIC 2017 refers to the new baseline data compiled in 2017 that underlie the 2018 assessment presented in this volume)

ISCED 2011		ISCED 1997		WIC 2014	WIC 2017
01	Early childhood educational development	—	—	No education	No education
02	Pre-primary education	0	Pre-primary education	Incomplete and completed primary	Incomplete and completed primary
1	Primary education	1	Primary education	Lower secondary	Lower secondary
2	Lower secondary education	2	Lower secondary education	Upper secondary	Upper secondary
3	Upper secondary education	3	Upper secondary education	Post-secondary	Short cycle
4	Post-secondary non-tertiary	4	Post-secondary non-tertiary		Bachelor
5	Short-cycle tertiary	5B	First stage tertiary	Post-secondary	Master +
6	Bachelor's or equivalent	5A			Master +
7	Master's or equivalent	5A	Second stage tertiary	Post-secondary	Master +
8	Doctoral or equivalent	6			Master +

The 2011 ISCED revision clearly separates between the tertiary degrees and allows us to create more meaningful subcategories at the post-secondary level. For the 60 countries that had available data and at the same time a share of persons with post-secondary education reached at least 10 % among those aged 25 to 34 years, we now differentiate between short cycle post-secondary, bachelor degree or equivalent degrees, and master degree or its equivalent and higher degrees. Depending on the educational system of a country, all or just some of the categories are available. We restrict the number of countries with information on detailed post-secondary levels for two reasons: data availability, and relevance. In most data archives the data are still organised into ISCED 1997 levels (UNSD, Eurostat), thus we had to request the detailed data directly from the statistical offices, or triangulate between different data sources to obtain full range of categories. The main obstacle to organising data into eight categories for all countries covered, however, were data limitations. In many cases we have to rely on DHS and similar surveys; these surveys ask only if the respondents have some higher education and not the actual degrees. Similarly, many censuses do only differentiate between post-secondary non-university and university education, without specification of degrees or diplomas awarded, which complicates categorisation efforts. In this report, we present and discuss the detailed post-secondary data only for the EU-28 countries.

2.3.2 Overview of the projection assumptions and modifications to these in the 2017 update

As discussed above, the TFR values that were defined for 2030-2035 and beyond in the 2014 assessment (Lutz et al., 2014) were maintained as assumptions for this new assessment. Only in the near-terms it was assured that there was a smooth transition from whatever TFR level the new baseline sets, to the assumed 2030-2035 level.

As for the educational differentials in fertility rates we have updated the estimates described in KC and Potančoková (2013) for the high-fertility countries with the new waves of the DHS data and recalibrated the simple regressions that help us estimate region-specific differentials for the countries with missing data. For low fertility countries additional information from the Cohort Fertility and Education database (Zeman et al., 2017) has been utilised and a region-specific approach applied in order to capture the diversity in the gap between the low and highly educated in various settings. Over time, the educational differentials are assumed to converge

to ratios of TFRs of 1.42 for women with up to primary education, 1.35 for women with lower secondary, 1.14 for women with upper secondary and 1 for post-secondary educated. Educational differentials for women with bachelor vs master or other degrees are not considered in the 60 countries where we have information of detailed post-secondary population compositions.

In terms of mortality the new baseline data give for some countries, particularly in sub-Saharan Africa, lower infant as well as adult mortality than was assumed by most forecasting agencies (including WIC) for the 2010-2015 period. The reason is the rather unexpected decline of AIDS mortality in the countries with highest HIV prevalence, due to widespread use of anti-retroviral treatment at no or low cost and due to the stunning success of concerted global health efforts (including the global fund for AIDS, tuberculosis and malaria) in fighting child mortality. In the context of some countries having life expectancy at birth already higher than originally assumed for 2030-2035, it was decided to only maintain the very long-term life expectancy levels assumed for the end of the century and linearly interpolate for every country between the new baseline and old assumptions for the end of the century.

As discussed above, migration is the most difficult of the demographic components to forecast because there is no broadly accepted guiding theory and migration rates tend to fluctuate strongly even at an annual level. We also wanted to maintain the scientifically well-justified approach to making migration assumptions in terms of both in- and outmigration rates, rather than just assuming net-migration as is done by most forecasting agencies. The data source for this global matrix of bilateral migration flows has been the reconstruction of Abel and Sanders (2014) based on empirically given migration stock data. These estimates were recently updated by Abel to include the 2010-2015 period (Abel, 2017). Confirming the above mentioned volatility of migration trends, the migration pattern in 2010-2015 was quite different from that of previous years. Considering the high likelihood of continued volatility in the future and the experience that periods of exceptionally high immigration rates to some countries tend to cause political reactions aimed at curtailing migration, it seemed advisable to use the long term average (1960-2015) of in- and out-migration rates for each country and keep them constant in the CEPAM Medium (SSP2) migration scenario over the entire projection period. Again, in the next stage of this project we will replace this rather naïve assumption of constant rates by a larger set of different detailed

migration scenarios in terms of direction, volume and composition of migrants.

For coming up with educational transition rates, essentially the same method was used as before, estimating future transition rates on the basis of national time series for all countries (Barakat and Durham, 2014). The only difference is that now the time series has been extended to include the empirical data points for 2015 and that for a sub-sample of countries the transitions to the new highest education categories (BA and Master or higher) have also been included, which are now applied to the 28 EU Member States as discussed above. Future trends in education progression rates that have been estimated in this way constitute the Global Education Trend (GET) scenario, which will be combined with other scenarios described below.

Labour force participation is a new demographic dimension that has been added to this new assessment. Here we will superimpose alternative assumed future prevalence matrices of labour force participation rates by age, sex and level of education to the projected population scenarios as they are given by age, sex and education in order to come up with projected sizes of the future labour force by level of education. The specific data and definitions will be given and discussed in chapter 4 of this volume.

2.4 Alternative scenario definitions

The projections presented in this volume are also part of an ongoing international effort to develop a new generation of global change scenarios related to the Intergovernmental Panel on Climate Change (IPCC). These so-called Shared Socioeconomic Pathways (SSPs) have been designed to reflect alternative future trends with respect to socioeconomic challenges for both climate change mitigation and adaptation (O'Neill et al., 2015). Compared to the previous generation of IPCC scenarios, which only included total population size and GDP as socioeconomic variables, the new SSPs provide a much richer picture of demographic and social trends. The alternative scenarios by age, sex, and level of education that are being defined, presented, and discussed in this volume form the 'human core' of the broader SSPs that also include many other dimensions such as energy and economic variables (Riahi et al., 2017). We only discuss three out of five SSPs here. The Middle-of-the-Road/Continuation SSP2 scenario is set to be identical with the CEPAM Medium (SSP2) scenario which combines medium fertility, mortality, and migration assumptions with the Global Education Trend (GET) scenario. There is also SSP1 (Sustainability/ Rapid Social Development) which combines rapid education expansion (SDG education scenario) with rapid fertility and mortality decline, and SSP3 (Fragmentation/Stalled Development) which combines stalled school enrolment rates (CER education scenario) with slow fertility and mortality decline. In terms of total world population size by 2100, these scenarios span a range from 7 to almost 13 billion people.

BOX 2.2

Shared Socioeconomic Pathways (SSPs)

SSP1 (Sustainability/Rapid Social Development): This scenario assumes a future that is moving toward a more sustainable path, with educational and health investments accelerating the demographic transition, leading to a relatively low world population. The emphasis is on strengthening human wellbeing. This is associated with high education, low mortality and low fertility.

SSP2 (Continuation/Medium Population Scenario): This is the middle-of-the-road scenario in which trends typical of recent decades continue, with some progress toward achieving development goals, reductions in resource and energy intensity,

and slowly decreasing fossil fuel dependency. Development of low income countries is uneven, with some countries making good progress, while others are left behind. This is associated with medium fertility, mortality and education.

SSP3 (Fragmentation/Stalled Social Development): The scenario portrays a world separated into regions characterised by extreme poverty, pockets of moderate wealth, and many countries struggling to maintain living standards for rapidly growing populations. The emphasis is on security at the expense of international development. This is associated with low education, high mortality and high fertility.

For translating these broader narratives into bundles of specific demographic assumptions, the countries were divided into two groups depending on whether their total fertility level as assessed in 2005-10 was above 3.0 (HiFert) or below this level (LoFert). The CEPAM Medium (SSP2) scenario combines the above described medium assumptions for all demographic components. In addition, high and low assumptions were defined relative to these medium assumptions. For fertility, the high (low) pathway was assumed to have TFRs that are 20 % higher (lower) than the medium up to 2030 with the difference thereafter increasing to 25 %. Table 2.3 also gives in one cell a 'medium-low' fertility assumption which is just 10 % (after 2030, 12.5 %) lower than medium to be consistent with the general narrative of SSP1, which also includes very good economic conditions in countries that already have low fertility. For mortality, the high (low) variant assumed that over the entire period, the changes in life expectancy by decade are one year lower (higher) than in the medium variant. In terms of migration, the medium assumptions set in- and out-migration rates constant at the long-term average level from observed data, while the low variant assumes migration rates go to zero by 2030 and the high variant assumes migration rates double by 2030 and then remain constant.

For education, two different bench mark scenarios have been defined on top of the Global Education Trend (GET) scenario described above. The Constant Enrolment Rates (CER) assumes recently observed school enrolment rates at each level, in each country, are frozen at current levels. On the optimistic side, the SDG scenario assumes that Sustainable Development Goal 4, which aims for high quality universal primary and secondary education, will be achieved by 2030. For some of the countries with currently very low education levels, this is an extremely ambitious goal which might not be realistic. But since this is part of the globally agreed SDGs which resemble the spirit of the SSP1 narrative we decided to make this assumption. Since the SDGs were only defined after the publication of the previous 2014 assessment (Lutz et al., 2014) these new SSP1 education assumptions are also different and more ambitious than the previous ones. This SDG boost to secondary education also spills over to higher education resulting in significant increases in the proportions of young cohorts with post-secondary education for most countries because the number of people with completed secondary education to which the transition rate is applied will continue to grow rapidly.

In the following chapters the results of this new assessment will be discussed for different world regions separately. In the Appendix more detailed tabulations are given for each individual country.

TABLE 2.3: Definition of demographic assumptions of SSP scenarios

	Country groupings	Fertility	Mortality	Migration	Education
SSP1	HiFert	Low	Low	Medium	High (SDG)
Rapid development	LoFert	Low-Med	Low	Medium	High (SDG)
SSP2	HiFert	Medium	Medium	Medium	Medium (GET)
Medium	LoFert	Medium	Medium	Medium	Medium (GET)
SSP3	HiFert	High	High	Low	Low (CER)
Stalled development	LoFert	High	High	Low	Low (CER)

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CHAPTER 3

Future population and human capital in the European Union



3 Future population and human capital in the European Union

Marcin Stonawski

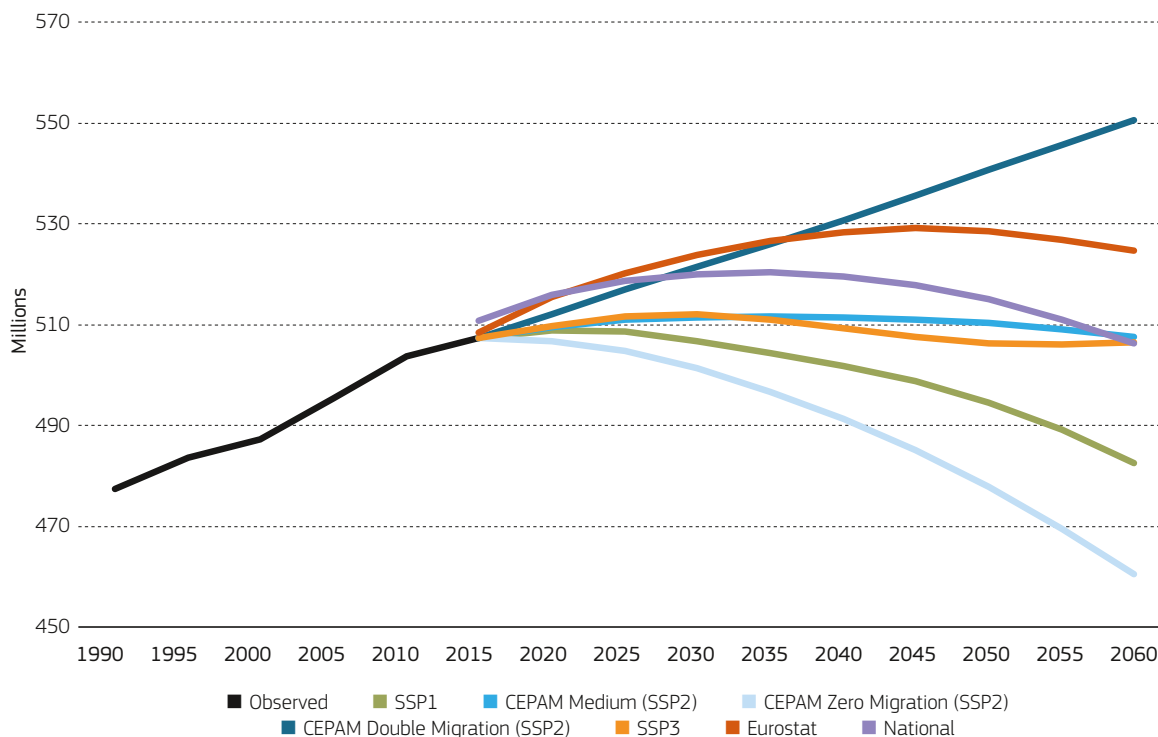
3.1 Population size of the European Union

The population of current members of the European Union (EU-28) has expanded by 128 million inhabitants since 1950, from 379 million then to 507.5 million in 2015. The growth in this period was 33.9 %. At the same time the world's population grew by 191 %. Thus, the EU-28 share of world population decreased from almost 15 % to 6.9 %. In the last 10 years before the beginning of our projection period (2005-2015), the population increased by only 2.4 % with an annual growth decreasing from 3.7 to 1.2 per thousand. We expect the share of EU-28 will decrease even further in the future because the region already completed demographic transition in the 19th/20th century which led to a strong decrease both in mortality and fertility of the populations. In other, less developed parts of the world, population still experience demographic transition and will do it in the future being with phases of high fertility and low mortality, for example: Africa, that leads to high population growth.

According to the CEPAM Medium (SSP2) scenario, in 2015-2060 the population of EU-28 countries would remain of the similar level slightly increasing from 507.5 million to 507.7 million people. In 2015 the share of EU-28 in global population was 6.9 %. We project that the trajectory of change of EU-28 population size will have a convex shape with a maximum around the year 2035 (Figure 3.1). The population would grow in 2015-2035 and reach 511.6 million, mainly as a result of immigration and increasing life expectancy. However, the rate of growth will decrease (Figure 3.2). After the year 2035, the population will start decreasing with an accelerating rate. In 15 Member States, mostly from Eastern and Southern Europe, there would be a loss of population with the highest depopulation observed in

Bulgaria (by 38 %), Romania (34 %), and Lithuania (26 %) in 2015-2060. In 13 countries we project an increase of population, mostly in Western Europe. The highest increase is projected in Luxembourg (by 53 %), Sweden (27 %), Cyprus (24 %) and Ireland (21 %). According to this scenario, the biggest country in EU-28 — Germany would reduce from 81.7 to 79.2 million inhabitants in the period under consideration. If there would be no migration into the EU member countries (CEPAM Zero Migration (SSP2) scenario), the population would be reduced by 9 % and get to the level of 461 million people in 2060. In this scenario the decrease starts already in the first projection period: 2015-2020. Only 8 countries would experience a positive growth: Ireland, Sweden, France, UK, Cyprus, Luxembourg, Denmark and Finland. The doubling of migration rates, both emigration and immigration (CEPAM Double Migration (SSP2) scenario) would bring an increase in total population in 2015-2060. In 2060 EU-28 would have 550.6 million inhabitants — a gain of 8.5 %. In this scenario the 5-year growth would be positive during the whole projection period ranging from 8.7 to 9.3 per thousand (Figure 3.2). However, the doubling of migration rates would lead to stronger depopulation of Eastern Europe than observed in the CEPAM Medium (SSP2) scenario because the countries had negative net migration rates in recent decades. To the contrary, Western European countries would further expand their populations under higher migration. For example, Luxembourg would almost double its size by 2060 and reach the level of more than 1 million inhabitants. Sweden would grow by 45 %, Cyprus — by 41 %, France — by 29 % and Belgium — by 28 %. At the same time Bulgaria would lose 48 % of its population and Romania around 46 %.

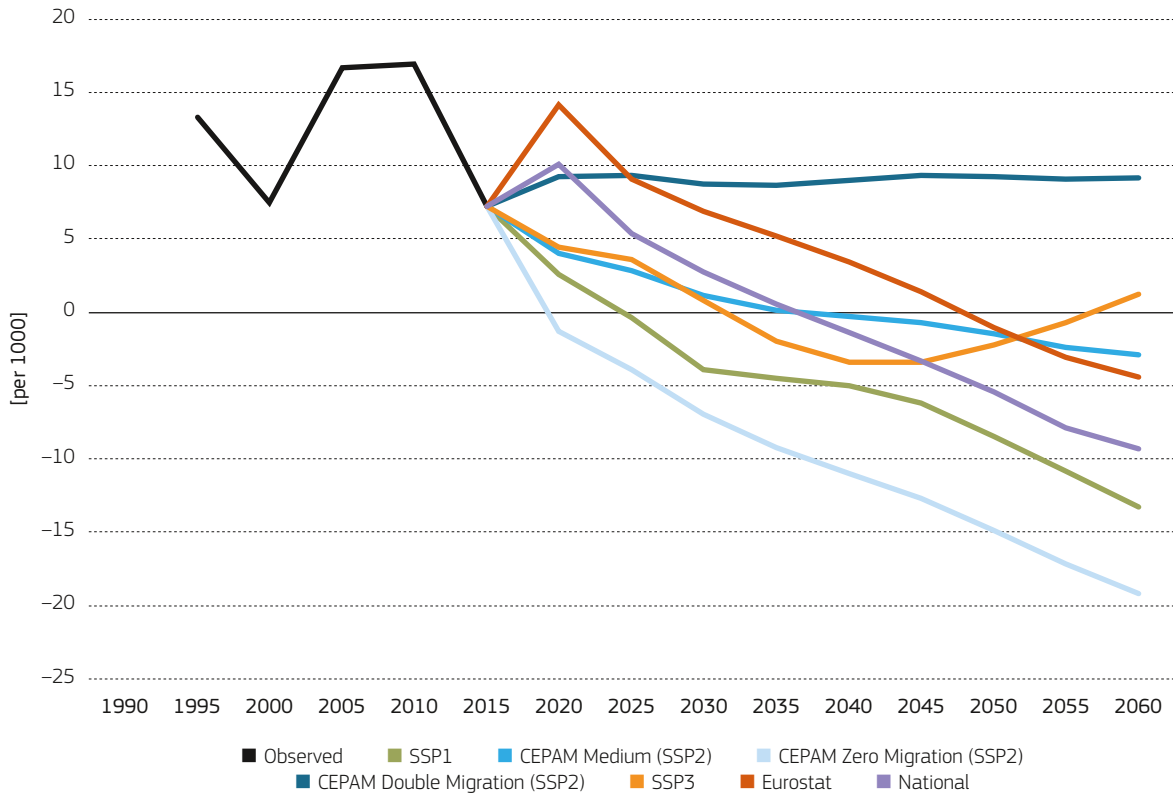
FIGURE 3.1: Population of EU-28 countries in 1990-2015 and 2015-2060 by scenario (Source: own calculations, Eurostat, 2015; United Nations, 2017 and national projection producers (list — 3.5 Appendix))



The main scenario of country-level projections done by Eurostat (Baseline scenario) predicts an increase of EU-28 population (Figure 3.1) (Eurostat, 2015). The population is estimated to grow by around 16 million to the level of 524.6 million people until 2060 (overall growth of 3.2 %). Within this timeframe, the size would increase until 2045 reaching a maximum of 529 million, and then would decrease at increasing rate. Until 2035, the population size in the Eurostat projection is higher than our CEPAM Double Migration (SSP2) scenario. After that it falls within a range of the CEPAM scenarios. Similarly, the population trajectory of a sum of projections/forecasts done by national level authorities (medium/main scenarios), predominantly by national statistical offices of the member countries,

has an inverted-U shape with a peak in the year 2035 (Figure 3.1) — 520.4 million inhabitants. At the end of projection period it reaches a level similar to the CEPAM Medium (SSP2) scenario — 506 million people (overall rate of growth of -0.85 %). Thus, the national projections predict slight depopulation of EU-28 countries in the projection period (note: the level of population in 2015 is higher than in Eurostat and CEPAM projections). Generally, the differences from our projections relate in part to the different base/launch years between sources, as well as different assumptions for demographic components of population growth, predominately migration and fertility (for details see - Appendix 1). However, our three scenarios cover the values projected by other institutions within their bounds in the long-term.

FIGURE 3.2: 5-year growth (per thousand) observed (1990/95 to 2010/2015) and projected to 2060 by scenario (Source: own calculations, Eurostat (2015), United Nations (2017) and national projection producers (list — 3.5 Appendix))



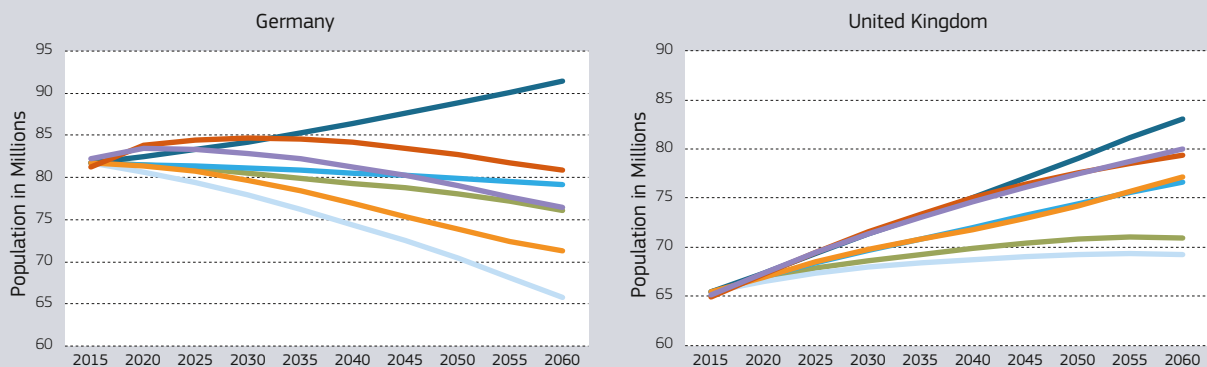
BOX 3.1

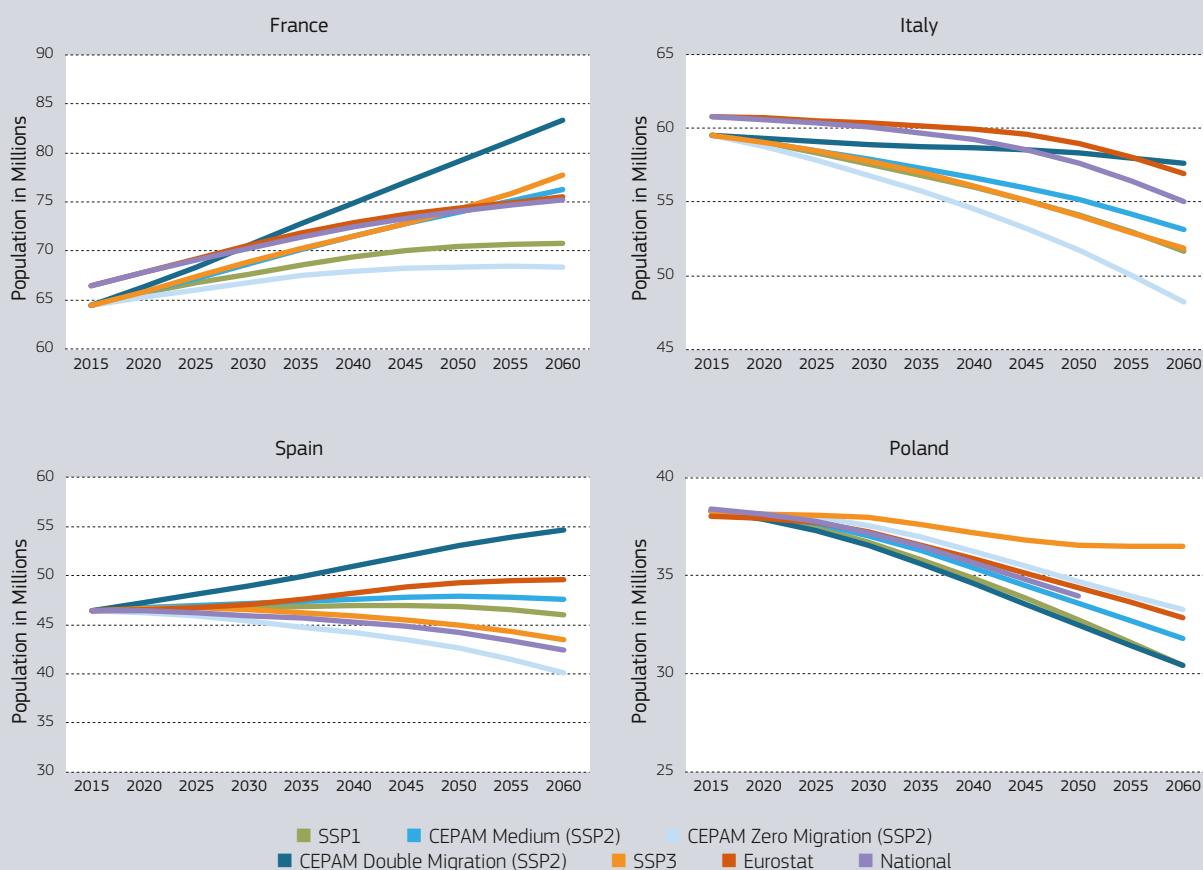
Change in size and structure of the biggest EU-28 countries

In 2015, 70 % of the EU-28 population lived in the six largest countries: Germany (81.7 million people), United Kingdom (65.4), France (64.4), Italy (59.5), Spain (46.4), and Poland (38.2). In total there were around 356 million inhabitants. According to the CEPAM Medium (SSP2) scenario, by 2060 these countries would still be the biggest Member States, and their size in total would increase by 1.5 % to almost 365 million people (71.8 % of EU-28 population). This growth is expected only because of an increase in the population of the United Kingdom, France and slight grow of the Spanish

population (by 3 %). The other countries would reduce their populations. The lack of migration flows (CEPAM Zero Migration (SSP2) scenario) would reduce the population of these six countries to 325 million people (70.6 % of EU-28) but France and the United Kingdom would still experience growth in population size. Doubling of migration rates (CEPAM Double Migration (SSP2) scenario) would result in the growth in size of these big six countries, except for Italy and Poland. The total population size would reach 400.5 million people (72.7 % of EU-28) — the overall growth of 12.6 %.

BOX FIGURE: Population of chosen EU-28 countries in 2015-2060 by scenario





Source: own calculations, Eurostat, 2015; United Nations, 2017 and national projection producers (see list on page 41, 3.5 Appendix)

3.2 Components of demographic change

If the current demographic trends continue as in the presented scenarios the main driver of change in population size of EU-28 countries would be migration. According to the CEPAM Medium (SSP2) scenario, EU Member States would attract around 6.6 million people (including movements between EU countries) in 2015-2020 which is around 21 % of all migration movements in the world. At the same time, outmigration from EU-28 countries will be on the level of 4.1 million persons — 13 % of world's movement. This leads to the overall net migration of 2.5 million. However, it is important to emphasize that migration numbers include flows between EU-28 member countries. Thus, only part of the flows change the population size of the EU-28

as a whole. In summary, Western European countries would experience further population growth from the continuation of current migration trends, and Eastern European countries would see smaller population sizes (Table 3.1). Only 7 countries are unlikely to get smaller in all presented scenarios (including Eurostat (2015) and national projections) mostly because of relatively high fertility: Ireland, Denmark, France, Sweden and UK (TFR around 1.9-2.0 in 2015), or age structure with high share of population in reproductive age: Luxemburg (median age equals to 39.2 years) and Cyprus (34.9 years). In Eastern Europe (Bulgaria, Croatia, Czech Republic, Estonia, Hungary, Latvia, Lithuania, Poland, Slovakia, Slovenia and Romania) and Southern Europe (Italy, Portugal) population reductions seem inevitable because of low fertility and in the case of the eastern region also high out-migration.

TABLE 3.1: Population growth (in percent) in EU-28 countries in 2015-2060 by scenario (*Source:* own calculations, Eurostat, 2015 and national projection producers (list-3.5 Appendix))

Country	CEPAM			SSP1	SSP3	Eurostat	National
	Zero Migration	Medium	Double Migration				
Austria	-13.3	8.2	26.8	3.4	-6.8	19.3	13.9
Belgium	-1.7	13.9	28.4	6.6	11.8	21.2	16.2
Bulgaria	-25.8	-38.0	-48.3	-37.2	-20.3	-27.4	-25.2
Croatia	-19.1	-20.0	-20.4	-20.3	-13.4	-16.4	-16.4 *
Cyprus	3.9	23.7	41.1	21.8	13.7	19.5	19.5 *
Czech Republic	-14.0	-9.0	-4.4	-12.9	-6.9	-2.2	-10.8
Denmark	1.8	14.0	25.4	5.6	17.6	19.4	15.0
Estonia	-14.7	-7.2	-1.2	-12.6	-2.7	-7.0	-9.2 (a)
Finland	0.1	3.8	7.1	-3.4	14.5	3.3	8.9
France	6.1	18.3	29.3	9.8	20.6	13.7	13.2
Germany	-19.4	-3.1	11.9	-6.9	-12.8	-0.5	-6.9
Greece	-16.0	-3.8	7.1	-7.4	-8.2	-23.6	0.0 (b)
Hungary	-23.0	-18.2	-13.8	-21.3	-17.2	-7.5	-19.3
Ireland	16.7	21.1	24.4	12.4	27.7	27.4	26.0 (e)
Italy	-18.9	-10.7	-3.1	-13.2	-12.8	-6.3	-9.5
Latvia	-23.0	-19.2	-16.1	-20.2	-16.0	-28.2	-3.4 (c)
Lithuania	-17.6	-26.5	-33.3	-27.1	-7.7	-37.1	-37.1 *
Luxembourg	2.9	53.0	96.2	43.1	18.2	76.4	101.2
Malta	-11.0	-9.4	-8.1	-10.0	-4.4	20.9	20.9 *
Netherlands	-2.1	8.8	18.7	2.3	8.5	14.3	5.9
Poland	-13.1	-16.8	-20.4	-20.5	-4.6	-13.6	-11.6 (d)
Portugal	-18.0	-20.5	-22.5	-23.3	-13.0	-17.6	-17.2
Romania	-20.4	-34.3	-46.2	-33.6	-14.8	-21.0	-34.2
Slovakia	-11.0	-13.8	-16.5	-17.5	-4.4	-5.7	-1.9
Slovenia	-14.0	0.9	14.3	-3.6	-6.7	-3.0	-3.0
Spain	-13.5	2.6	17.8	-0.8	-6.2	6.7	-8.7
Sweden	7.5	27.1	45.2	17.8	19.3	36.3	30.2
United Kingdom	5.9	17.1	27.0	8.5	18.0	22.3	22.9
EU-28	-9.2	0.0	8.5	-4.9	-0.2	3.2	-0.9

NB: (*) national authorities do not prepare own projections and use Eurostat numbers, (a) projection period: 2015-2040, (b) 2015-2050, (c) 2015-2030, (d) 2015-2050, (e) 2015-2045.

From 2015-2020, fertility in the EU-28 Member States varies between 1.34 children per women in Portugal to 2 children in Ireland (standard deviation equals around 0.2 children). The average total fertility rate for EU-28 is 1.61, which is lower than TFR for the world nearly by 0.9 children (United Nations, 2017). According to the CEPAM Medium (SSP2) scenario, average fertility would grow to 1.70 by 2030 and would reach 1.75 children per woman in 2060. We project convergence in fertility during the projection period. In 2060 fertility will vary from 1.51 in Romania to 1.91 in Finland and Denmark, with standard deviation of 0.13 children. Similarly, the Eurostat-Baseline scenario shows an increase of fertility in the EU-28 countries (Eurostat, 2015). In this projection the average TFR rises from 1.56 in 2015 to 1.7 by 2030 and to 1.79 children per woman by 2060.

The EU-28 countries are some of the world's frontrunners in life expectancy at birth. The average of the group of countries for across the whole population in the period 2015-2020 is 81.2 years, which is 9.2 years higher than the global average (United Nations, 2017). This means that the average life span of an individual born in 2015-2020 in a member country would be 81.2 years if the mortality patterns from this period hold constant during the life of this individual. Among the 10 countries with the highest life expectancy at birth in the world four are members of the European Union: Spain, Italy, France and Sweden. We predict in the CEPAM Medium (SSP2) scenario that average life expectancy at birth would come to the level of almost 90 years in the period 2055-2060.

At the beginning of the projection period, among men in the EU-28 average life expectancy at birth is 78.6. The highest average age at mortality is observed in the Southern Europe with the leading country — Italy, where life expectancy comes out to 81 years. Similar numbers are observed in Sweden and Spain — around 81 years. The worst performer is Lithuania, where males only reach 69.4 years, below the world's average. The lowest mortality rates are observed in Eastern Europe, particularly in the Baltic countries (Lithuania — 69.4, Latvia — 69.7 and Estonia — 73), Bulgaria (71.5) and Romania (72.2). The standard deviation of this measure is 3.6 years in the period 2015-2020. The CEPAM Medium (SSP2) scenario assumes an increase in life expectancy in all countries, with the average reaching

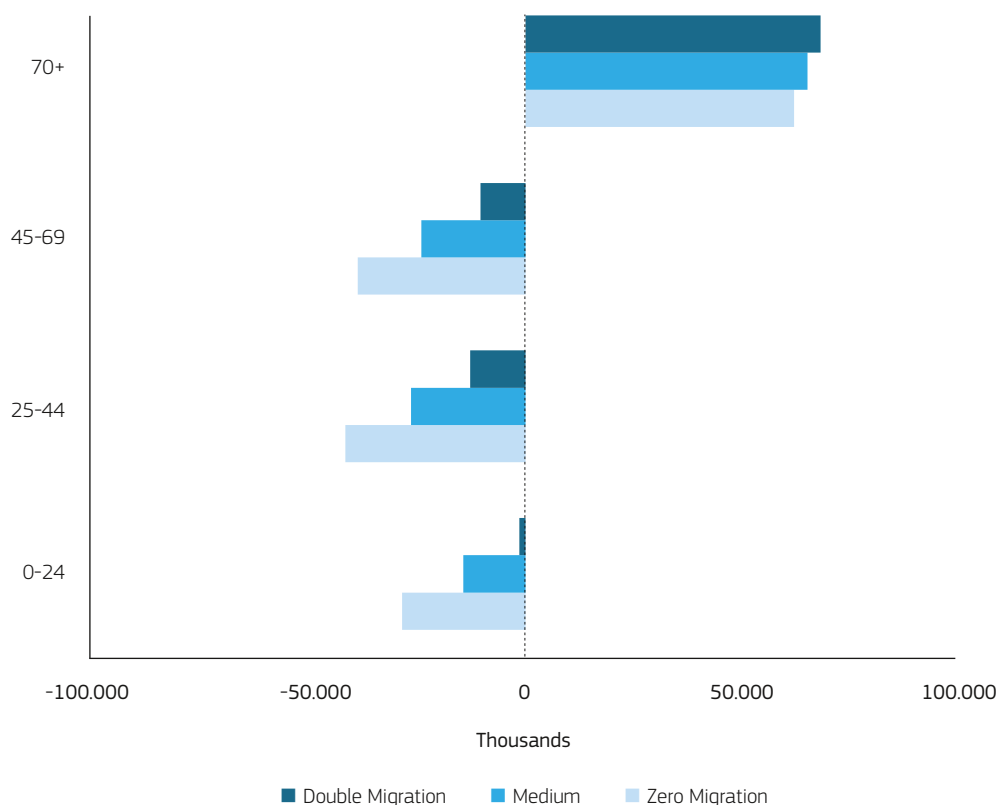
87.3 years by 2055-60, and with lack of trajectory towards convergence in life expectancy between the EU Member States (standard deviation equals to 3.3 years). The coefficient of the variations changes from 4.5 % to 3.7 %. According to this projection, the highest level would be reached by Sweden — 89.3 years and the lowest in Lithuania — 79.4 years.

We assume similar trends in female populations with an increase of life expectancy at birth in all Member States and no European convergence. In 2015-2020 the mean life expectancy at birth is 83.7 years, which is 9.4 years higher than the world's average. The highest age at mortality is in Spain where life expectancy is at level of 86 years, France — 85.7 years and Italy — 85.4 years. The lowest, similarly to men, is observed in Eastern Europe, particularly in Bulgaria (78.4) and Romania (79.1). However, variation in life expectancy among female populations is lower than for males (standard deviation equals to 2 years) and does not change during the projection period. We project that by 2055-2060 19 out of 28 countries will achieve a life expectancy of at least 90 years, with Spain being the leader at 94.4 years, France — 94.3 and Italy — 94 years. The highest mortality would be in Bulgaria where life expectancy will reach 86.8 years in 2055-2060.

3.3 Age structure of the EU-28

Along with the moderate change in the population size, the demographic trends in 2015-2060 will reshape the age structure of the EU-28 population. In CEPAM Medium (SSP2) scenario, the population growth would be observed only among people aged 70 and more. This population would increase by 64.8 million people, whereas children and young adult (age 0-24) would decrease by 14.3 million, adults from 25-44 — core working population — would decrease by 26.3 million and older adults (45-69) would drop by 24 million people. The lack of migration (CEPAM Zero Migration (SSP2) scenario) would lead to deeper reduction of the population aged 0-69 but also to more moderate increases of those at 70+ (Figure 3.3). Whereas higher migration (CEPAM Double Migration (SSP2) scenario) would reduce the magnitude of change in for the ages 0-69, it would also enlarge populations aged 70 and over by 67.8 million people.

FIGURE 3.3: Change in size of population aged 0-24, 25-44, 45-69 and 70 and over in EU-28 in 2015-2060 by CEPAM (SSP2) scenario (Source: own calculations)



According to the CEPAM Medium (SSP2) scenario, in all EU-28 countries the 70+ population would rise during the projection period. The highest increase is projected in Cyprus (by 248 %), Luxembourg (by 237 %), Ireland (224 %) and Slovakia (157 %) with average of around 107 %. Only in seven countries is there gain in the population aged 0-24 — Luxembourg (by 34 %), Sweden (17 %), United Kingdom (6 %), France (5 %), Denmark (4 %), Ireland (1 %) and Belgium (0.2 %). There would be five countries which gain population at the age range 25-44: Luxembourg (by 23 %), Sweden (14 %), Denmark (8 %), France (6 %) and the United Kingdom (1.5 %). The population of older adults (45-69) increases in Cyprus (42 %), Luxembourg (41 %), Ireland (17 %), Sweden (13 %), France (3 %), United Kingdom (3 %), and in Belgium (1 %). The CEPAM Zero Migration (SSP2) scenario projects a decrease in all age groups of 0-69 population and an increase in 70 and over population in all countries, except Cyprus and Ireland where group 45-69 is predicted to grow respectively by 18 % and 13 %. Doubling migration (CEPAM Double Migration (SSP2) scenario) would lead to an increase of population size in all age groups in Austria, Belgium, Denmark, France, Luxembourg, Netherlands, Sweden and the United Kingdom.

All CEPAM scenarios show a decrease of population 0-14, 15-64 and an increase of population 65+.

The long-term effect of migration results in growth for all age groups. We observe that on the EU-28 level, the higher the migration the more people at age 65+. If there would be no migration, the population would increase by 62 % but if migration is at medium — by 68 % and double migration — by 73 %. At the same time, there would be smaller reductions in size of those at age 0-14 and 15-64. According to the CEPAM Medium (SSP2) scenario, the share of 65+ population would grow from 19 % in 2015 to 32 % in 2060. A similar trend can be observed in the Eurostat projection where the indicator increases from 19 to 29 % (Eurostat, 2015). On the aggregated level, there is no large impact of migration on the share of older people, mostly because higher migration reduces the share in Western and Southern countries, and increases its value in Eastern countries. The highest reduction in proportion of those aged 65 and over due to migration can be observed in Luxembourg (by 10 percentage points), Austria (8 percentage points), Spain (7 percentage points), Germany (7 percentage points) and Cyprus (6 percentage points) comparing CEPAM Zero Migration (SSP2) scenarios with CEPAM Double Migration (SSP2) scenarios in 2060. On the other hand, we project the highest gain in proportion over 65 caused by migration in Romania (by 8 percentage points), Bulgaria (7 percentage points), Lithuania (2.6 percentage points), and Poland (2 percentage points).

According to the CEPAM projections, there is no strong effect of migration on total age-dependency ratio in the EU-28. In the CEPAM Medium (SSP2) scenario in 2015 for 100 people at age 15-64 there are 53 people at age 0-14 and 65+. By 2060, that 53 people are estimated to grow by about 62 % and come to the level of almost 86 people. The CEPAM Zero Migration (SSP2) scenario would lead to the level 91 in comparison and the CEPAM Double Migration (SSP2) scenario — to 81. Similar to the proportion of 65+ population, higher migration generally reduces dependency rates in Western and increases it in Eastern Europe. The highest reduction in dependency can be observed in Luxembourg and Austria — respectively by 27 and 23 persons per hundred at working-age, and the highest gain in Romania (by 24 persons) and Bulgaria (by 22).

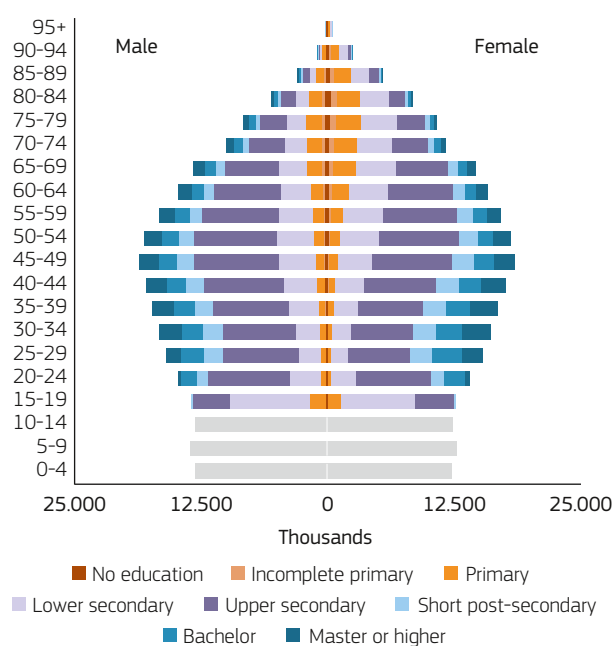
The population of EU-28 has already advanced into the process of ageing. According to the CEPAM Medium (SSP2) scenario this trend would continue in the future. The median age in EU-28 populations would increase from 42.7 years in 2015 to around 49.1 years in 2060. It means that half of the population would be at least almost 50 years of age. In 2015, the median age ranged from 34.9 years in Cyprus to 45.9 years in Germany. During the period under consideration, this measure would increase for all countries, and in 2060 would range from 44.5 years in Denmark to 54.4 years in Portugal. The migration has a moderate effect on the level of median age of total population of the EU-28. Without migration median age would be on the level of 51 years in 2060, with medium migration 49 years, and with double migration 48 years. Only in the case of five countries, higher migration (CEPAM Double Migration (SSP2) scenario) would make the population older on average (e.g. Romania — by 5.8 years, Bulgaria- 4.4, Lithuania — 1.3, Poland — 1.2, and Slovakia — 0.7), and in 23 countries would decrease it comparing with CEPAM Zero Migration (SSP2) scenario with highest change in Luxembourg — 6.6 years, Austria — 6.4, Germany — 5.7 and Spain 5.4 years.

3.4 Change in educational attainment in the EU-28

The CEPAM scenarios project significant progress in education in the EU Member States. The current populations of these countries are already highly educated in the global context. In 2015, the proportion of people at age 25 and more with at least post-secondary population is 28.6 %, around 10 % have a bachelor degree and 10 % achieved master or higher education diploma. Around 11 % of the population has only primary

or lower education. However, we can observe significant differences in educational achievements by age (Figure 3.4). Younger adults are much better educated than older cohorts. For example, in age group 25-44 the dominant group are those with upper secondary — a share of 42.1 %. In this age group those with at least post-secondary education are 39.4 % (13.9 % bachelor and 13.7 % master and higher). 4 % of this sub-population has only primary or lower education. Among people aged 45-69 years, the share of those with at least post-secondary is around 26 %. Nearly 10 % has primary or lower education. People at age 70 year or more are much less educated with 30 % having primary or lower education. In this age group only 14 % have at least post-secondary education. The dominant group consists of those with lower secondary attainment — 28 %.

FIGURE 3.4: Population pyramid by education in the EU-28 countries in 2015 (Source: own calculations)

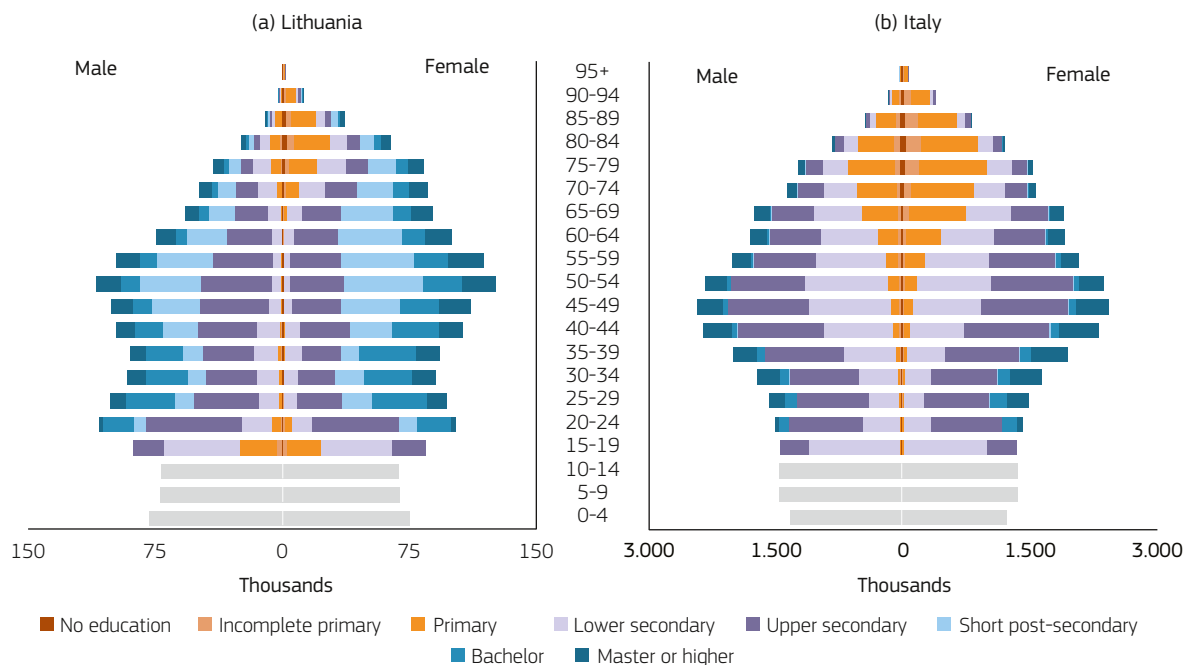


The educational attainment of EU-28 countries is heterogeneous. In 2015, the countries with the highest share of the population having at least post-secondary education among ages 25 or higher are Lithuania (55.6 %), Ireland (47 %) and Estonia (45 %). The least educated in this respect are Italy (15.6 %), Portugal (18.7 %) and Croatia (20.1 %). There is also large variation in proportions of the best educated — master and higher degree. In the leading country — Estonia this group has a share of 22 %. Similarly, in Luxembourg, Slovakia and Poland the share is high, on the level 17-18 %. While in Croatia, Slovenia and Portugal its proportion is below 2 %. We also observe huge differences in percentage of those with low educational attainment (primary and lower). The lowest in this respect are countries from

Southern Europe, with Portugal being a negative outlier having 48 % of this group among 25+ population. The next in ranking are Greece 28.6 %, Spain 22.7 % and

Italy 20.4 %. The lowest shares are observed in the United Kingdom, Slovakia, Poland and Czech Republic where the levels are below 1 %.

FIGURE 3.5: Population pyramid by education in Lithuania and Italy in 2015 (Source: own calculations)



In the future, following the European Union initiatives to invest in development of human capital and due to cohort replacement, we would observe significant progress in educational attainment of the Member States. According to the CEPAM Medium (SSP2) scenario, in 2030 the share of those with at least post-secondary education would reach a level of around 36 % among population aged 25 years and over (12.3 % bachelor and 12.6 % master and higher), and only 7.5 % people would have primary and lower achievement (Figure 3.6). By 2060, half of the EU-28 population at age 25 years and over would have at least post-secondary education (Figure 3.7), 35 % of population would have tertiary education — 17 % bachelor and 18 % master or higher. Only 3.5 % of people would be low educated with primary or lower achievements. In 2060 the differences between age groups will be significantly lower than in 2015, but they will still be noticeable. The best educated will be those at age 25-44. The largest group will be the population with at least post-secondary education with share of 64 %. In this age group there would be almost no low educated people — only 1 % having primary or lower education. The older adults (70+) will be less educated than younger age groups but similar to those at age 25-44 in 2015. Around 40 % of the older adults will have at least post-secondary education, 55 % secondary

education (lower and upper), and around 5 % primary or lower achievement.

FIGURE 3.6: Population pyramid by education in EU-28 countries in 2030 (CEPAM Medium (SSP2) scenario) (Source: own calculations)

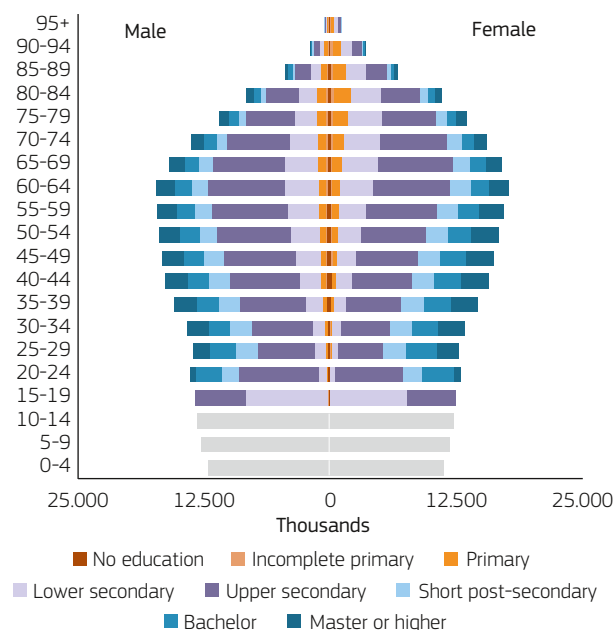
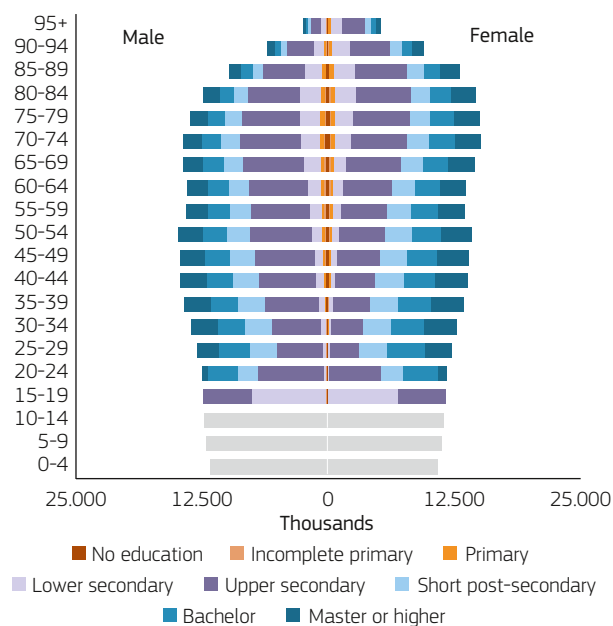


FIGURE 3.7: Population pyramid by education in EU-28 countries in 2060 (CEPAM Medium (SSP2) scenario) (Source: own calculations)



According to the CEPAM estimates, the country with the highest share of those having at least post-secondary education in 2015 is Lithuania (Figure 3.5a), at the level of 55.6 % among those aged 25 years or more. Next is Ireland at 47 % and Estonia at 45.6 %. The lowest percentage can be observed in Southern Europe. The lowest number can be found in Italy (15.6 %) (Figure 3.5b), Portugal (18.7 %), Croatia (20.1 %), Slovenia and Czech Republic (both 21 %). When looking at population with at least upper education, Slovakia and Czech Republic take the lead with almost 88 % population. A bit lower percentages can be seen in Poland, Latvia and Lithuania — around 84 %. The highest country in the ranking from EU-15 is Germany where there are 82 % of people with at least upper secondary education. Again, according to this parameter Southern European countries are the lowest in the educational ranking with more than 50 % of people educated below the upper secondary level. In 2015, Portugal had only 35 % of its people with at least upper secondary education, in Malta — 38 % and in Spain and Italy — around 50 %.

If the progress in education follows the CEPAM Medium (SSP2) scenario, in 2060 half of the EU-28 countries would have at least 50 % of their populations 25+ with at least post-secondary education — in the following order: Ireland (70 %), Lithuania (64 %), and Sweden and France (both 57 %). The lowest ranked countries would be Czech Republic (36 %), Italy (37 %), Croatia (37 %), and Slovakia (39 %). However, including the figures for upper secondary education changes the education attainment ranking in 2060. Poland is the leader with 97 % of the population aged 25+ has at least upper secondary education. The next include Slovakia (96 %),

Czech Republic and Finland (approximately 95 %). Below 80 % of population would be observed only in Portugal (74 %) and Malta (74 %).

In 2015 for the EU-28 countries, we observe similar shares of male and female populations aged 25 or more years with at least post-secondary education — around 28 % for each. The best educated males live in Lithuania (51 % with at least post-secondary education), Ireland (45 %), Cyprus (37 %) and Estonia (37 %). Among women, the highest educated are those living in Lithuania (60 %), Estonia (53 %) and Ireland (49 %). Males have a higher share of those in the upper secondary category — 43 % comparing with 37 % among females. However, we project that a gender gap in education will grow in favour of women. In 2060 according to the CEPAM Medium (SSP2) scenario, 55 % of females and 47 % males will have at least post-secondary education in the EU-28. But the share of males with upper secondary education — 40.5 %, will be higher than among females — 33.5 %.

In 2015 in only seven countries males comprised a higher share of the population with at least post-secondary education: Austria, Belgium, Germany, Luxembourg, Malta, Netherlands and the United Kingdom. Among the EU-28 countries, the highest positive female gender gap in education can be observed in the Baltic countries — Estonia (15.6 percentage points), Latvia (10.5 percentage points) and Lithuania (9 percentage points). The highest negative gap (males better educated than females) is in Germany (7.9 percentage points), Austria (4.7 percentage points) and Netherlands (4.6 percentage points). According to our CEPAM Medium (SSP2) scenario, progress in educational attainment among females will be faster than among males in all EU-28 countries, and by 2060 only in Belgium do males have a higher share than females of those with at least post-secondary education (0.9 percentage points). In all other countries the positive female gender gap will be observed. The highest gap is predicted in Estonia — 18 percentage points (46 % vs 64 %), Latvia — 18 percentage points (34 % vs 52), Slovenia — 17 percentage points (36 % vs 53), Bulgaria — 16 percentage points (34 % vs 50), Finland — 16 percentage points (46 % vs 62) and Poland — 16 percentage points (41 % vs 58).

According to our projections, by 2060 the highest educated males live in Ireland (67 % of people with at least post-secondary education among 25+), Lithuania (58 %), France (53 %), United Kingdom (53 %), and Sweden (53 %). The best educated females are foreseen to be in Ireland (72 %), Lithuania (70 %), Estonia (64 %), and Finland (62 %). Generally, the majority of males at age 25+ will have at least post-secondary education in 7 countries while females will reach the same level in 18 countries.

3.5 Appendix

List of sources of Eurostat and national projections used in this report (Chapter 3 and Appendix 1)

Country	Projection period	Scenario	Institution
Austria	2015-2100	Main (Hauptvariante)	Statistics Austria
Belgium	2017-2061	Main	Federal Planning Bureau; Statistics Belgium
Bulgaria	2015-2070	Variant 1 (target)	National Statistical Institute of Bulgaria
Croatia	x	[doesn't produce]	Eurostat
Cyprus	x	[doesn't produce]	Eurostat
Czech Republic	2013-2100	Middle	Czech Statistical Office
Denmark	2017-2060	Middle	Statistics Denmark
Estonia	2014-2040	Variant 1	Statistics Estonia
Finland	2015-2065	Main-Target	Statistics Finland
France	2013-2070	Hypothèse centrale	National Institute of Statistics and Economic Studies (INSEE)
Germany	2015-2060	Variant 2a (13th coordinated population projection)	Federal Statistical Office (Destatis)
Greece	2007-2050	Medium	Hellenic Statistical Authority
Hungary	2013-2060	Medium Variant	Hungarian Demographic Research Institute
Ireland	2011-2046	M2F1	Central Statistical Office of Ireland
Italy	2016-2066	Median Variant	Italian National Institute of Statistics (ISTAT)
Latvia	2015-2031	Main	Ministry of Economics
Lithuania	x	[doesn't produce]	Eurostat
Luxembourg	2018-2060	PIB3 %	National Institute of Statistics and Economic Studies of the Grand Duchy of Luxembourg (STATEC)
Malta	x	[doesn't produce]	Eurostat
Netherlands	2014-2060	Forecast	Statistics Netherlands
Poland	2014-2050	Forecast	Central Statistical Office of Poland
Portugal	2012-2060	Central	Statistics Portugal
Romania	2013-2060	Baseline	National Institute of Statistics in Romania
Slovakia	2012-2060	Medium	Statistical Office of the Slovak Republic
Slovenia	2015-2081	[jointly with Eurostat]	Statistical Office of Slovenia
Spain	2016-2066	Main	National Statistics Institute (INE)
Sweden	2017-2110	Main alternative	Statistics Sweden
United Kingdom	2014-2114	Principal (ppp)	Office for National Statistics (ONS)
EU-28	2015-2081	Baseline scenario	Eurostat

Supporting references and web links

Eurostat (2015), *European population projections 2015-based*, Luxembourg. Eurostat, the Statistical Office of the European Union, Unit F2: Population and migration.

United Nations (2017), *World Population Prospects: The 2017 Revision*, DVD Edition, New York, NY, Department of Economic and Social Affairs, Population Division.

CHAPTER 4

Education-specific labour force projections for EU-28 countries



4 Education-specific labour force projections for EU-28 countries

Elke Loichinger and Guillaume Marois

4.1 Introduction

Like its population, the labour force in Europe is ageing. A shift in the age-structure of the working-age population towards higher ages, along with ongoing increases in labour force attachment of the population above age 50, entails that the age-structure of the EU labour force has been shifting towards higher ages. There are national differences in the level and rate of increase, but the general trend can be expected to continue across all EU countries.

According to the assumptions of the labour supply projections provided by the European Commission in their *2018 Ageing Report* (European Commission and Economic Policy Committee, 2017), labour force participation rates across all 28 EU countries for ages 20 to 64 will increase from 77.5 % in 2016 to 80.7 % in 2070 on the aggregate level (for men, the projected change is from 83.7 % to 84.5 %; for women it is from 71.4 % to 76.9 %). For men, this increase is mostly driven by expected increases in participation above age 60, due to anticipated impacts of past pension reforms. Increases in the participation of women are driven by higher age-specific participation rates above age 45, due to a combination of cohort developments — younger cohorts show higher participation rates than older cohorts, which will translate into higher participation at older ages over time — and pension reforms. This projected increase in aggregate participation rates is accompanied by an expected decrease in the absolute size of the labour force between 2016 and 2070 in the majority of countries.

The labour supply projections in this report are different in several regards, as we are interested in the effect of different population projection assumptions and participation scenarios on future labour force size. The assumptions about future developments of labour force participation are not as individually developed as in the *2018 Ageing Report* (European Commission and Economic Policy Committee, 2017); yet, it is exactly this broad brush approach that illustrates the varying effects of the same general assumptions on each country. Another crucial difference is the fact that participation is not only broken

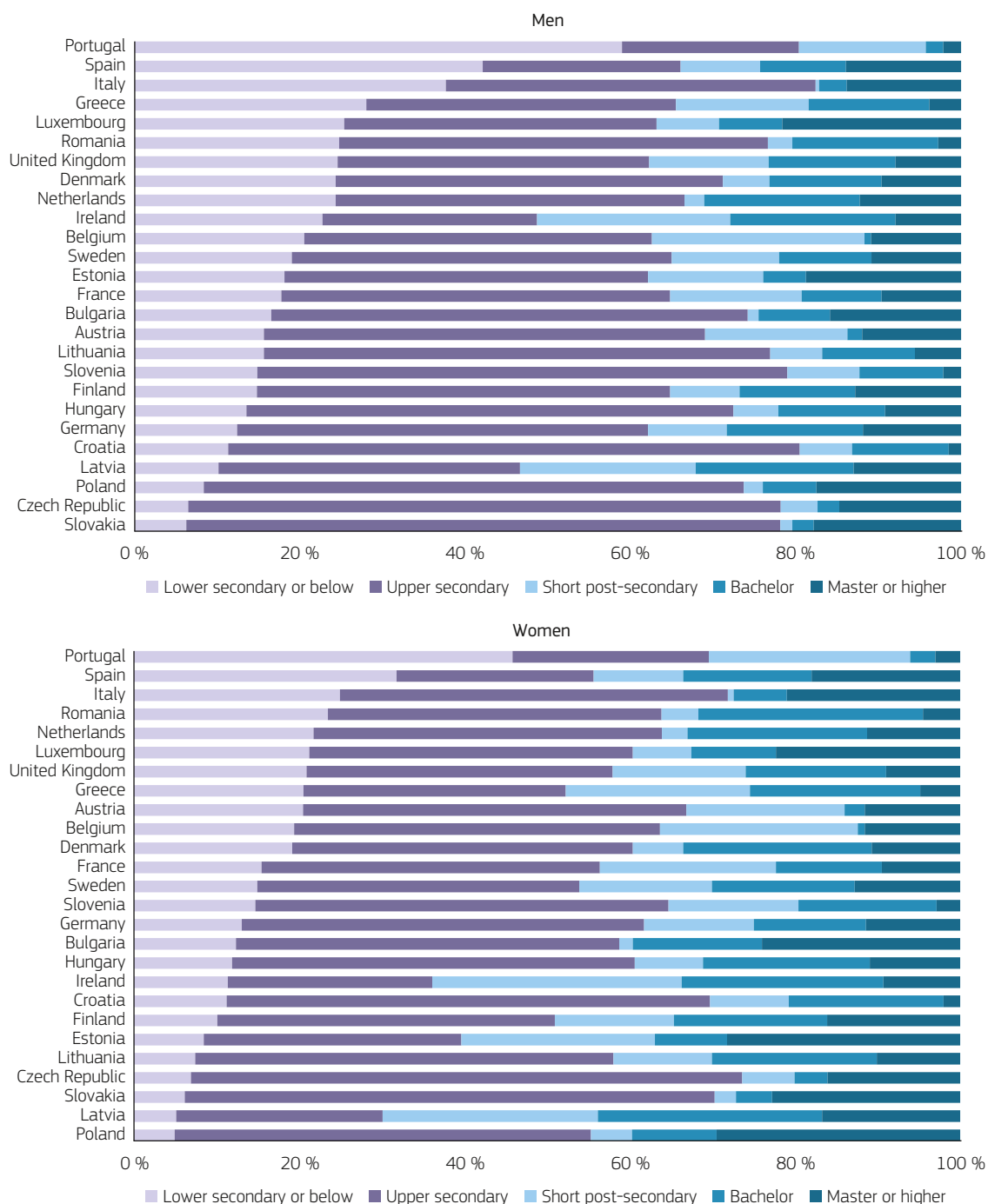
down by age and sex, but additionally by the highest level of educational attainment. This allows taking into account that (1) labour participation rates vary not only by age and between men and women, but also show heterogeneity by education, and (2) populations are not only changing in their age structure, but also in their educational composition. The inclusion of education in labour supply projections captures therefore not only an important heterogeneity in economic behaviour, but also allows statements about likely changes in future human capital (Cheng and Loichinger, 2017; Loichinger, 2015). The anticipated negative macroeconomic consequences of reductions in absolute and relative labour force size in a lot of countries might be less severe due to significant productivity differentials by education (Crespo Cuaresma et al., 2016; Gunderson and Oreopoulos, 2010; Heckman and Jacobs, 2010).

4.2 Labour supply and education

The current total labour force in Europe has about 245 million workers; 54 % are men and 46 % are women ⁽²⁾. As Figure 4.1 illustrates, there is large variation in the educational composition of the labour force across countries. For the level of highest education at lower secondary and upper secondary, the variation across countries is larger for men than women, whereas there is more variation across countries for women when it comes to the three highest education categories. For example, with Bachelor degree and above, the lowest share (4 %) for men is observed in Portugal and the highest share (32 %) in Lithuania. For women, the respective values are 6 % in Portugal and 44 % in Lithuania as well.

⁽²⁾ Any statistics provided in this chapter for the European Union (EU-28) do not actually include Malta and Cyprus, since there were no population projections by detailed educational attainment available for these two countries. As unfortunate as this is, the labour force in these two countries represents only 0.25 % of the total labour force in the EU-28 in 2015 (Eurostat database).

FIGURE 4.1: Educational composition of the labour force (ages 15+), 2015, by sex and country
(Source: EU LFS and CEPAM population projections, own calculations)

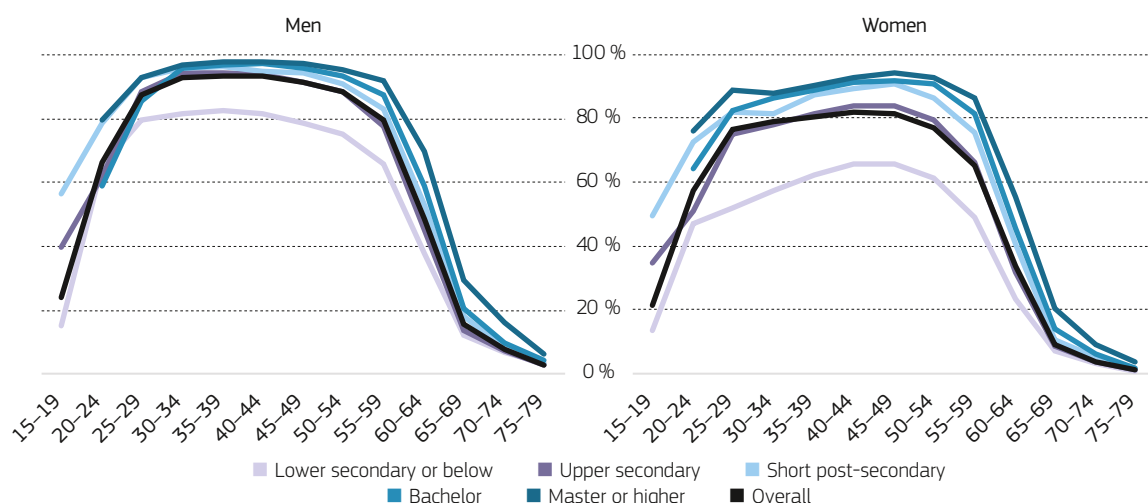


NB: Lower secondary or below = ISCED 0,1,2; Upper secondary = ISCED 3; Short post-secondary = ISCED 4,5; Bachelor = ISCED 6; Master or higher = ISCED 7,8

The explanation why the female labour force is on average more highly educated than the male one has two parts. First, among young cohorts, women are on average more highly educated than men. Second, and this part explains most of the observed gender difference, is the fact that participation rates vary much more by education for women than for men (Figure 4.2). Overall age-specific participation averages across education groups that are conventionally used disguise this heterogeneity

in labour market attachment. Whereas differences by education for men are not very pronounced and play out most prominently at younger and older ages (with the exception of the lowest education category), they are present across the whole life cycle of women. Education and differences between participation rates by gender are negatively correlated, i.e. highly educated men and women show the most similar participation patterns. With increasing age, this correlation becomes weaker.

FIGURE 4.2: Labour force participation rates by highest level of educational attainment, age and sex in the European Union (unweighted average of yearly rates for 2014-2016 for EU-28) (Source: EU LFS, own calculations)



NB: Lower secondary or below = ISCED 0,1,2; Upper secondary = ISCED 3; Short post-secondary = ISCED 4,5; Bachelor = ISCED 6; Master or higher = ISCED 7,8

4.3 Method

Labour supply is synonymous to the economically active population, i.e. it comprises employed and unemployed persons. The labour supply projections presented in this chapter are based on the combination of two inputs: assumptions of future participation rates (from 2020 to 2060) and population projections, both broken down by age, sex, and highest level of educational attainment. This general approach is the same as the one taken in the *2018 Ageing Report* (European Commission and Economic Policy Committee, 2017), only now with the additional education dimension. However, whereas the projections presented in the *2018 Ageing Report* aim to portray a likely development of future participation, based on past trends and anticipated effects of implemented pension reforms, the assumptions here represent ‘what-if’ scenarios with the intention to illustrate the effect of selected participation and population scenarios.

The three scenarios of labour force participation are:

(1) **Constant scenario:** In the constant participation scenario, age-, sex- and education-specific participation rates (average of years 2014-2016) are kept constant through the whole projection period. While it is clear that these assumptions will not actually be observed in any country (increases in female participation and of the population 50+ will occur), it serves as reference scenario that shows the effect of changes in the age, sex and educational composition of the population on labour supply between now and 2060.

(2) **Equalisation scenario:** This scenario exemplifies the effect of strong increases in female participation in the paid labour market, the assumption being that female age-, sex- and education-specific participation rates by 2060 reach current country-specific male levels. Since male rates are kept constant throughout the whole projection period, the difference between the constant and the equalisation scenario can solely be explained by increases in female participation.

(3) **Swedish scenario:** Sweden is considered to be a country that can serve as a role model when it comes to high levels of female labour force participation as well as participation above age 50. This scenario illustrates how labour supply would develop in each country between 2015 and 2060 if current Swedish age-, sex- and education-specific participation rates were attained⁽³⁾. While this might seem a far-fetched assumption for several countries and would not be possible without changes in several policy fields, norms and attitudes, it has to be kept in mind that the projection covers a 45-year period.

The population projections that these three participation scenarios are combined with include three scenarios based on the same assumptions for fertility and mortality but differing in their assumptions for migration, and one scenario that shows the effect of low fertility (for a more detailed description of assumptions, please see chapter 2 in this report).

⁽³⁾ In instances where participation rates for certain age-, sex- and education-specific categories is already nowadays higher than in Sweden, the country-specific value is retained.

(1) SSP2 (also referred to as CEPAM Medium (SSP2) scenario): a scenario with medium assumptions for fertility, mortality and migration. Educational attainment follows the assumptions of the Global Education Trend (GET) scenario.

(2) SSP2 with zero migration: as SSP2, but migration rates go down to zero by 2030 and stay at zero from then onwards.

(3) SSP2 with double migration: as SSP2, but migration rates double by 2030 and then stay constant.

(4) SSP2 with low fertility: as SSP2, but with low fertility assumptions.

4.4 Results

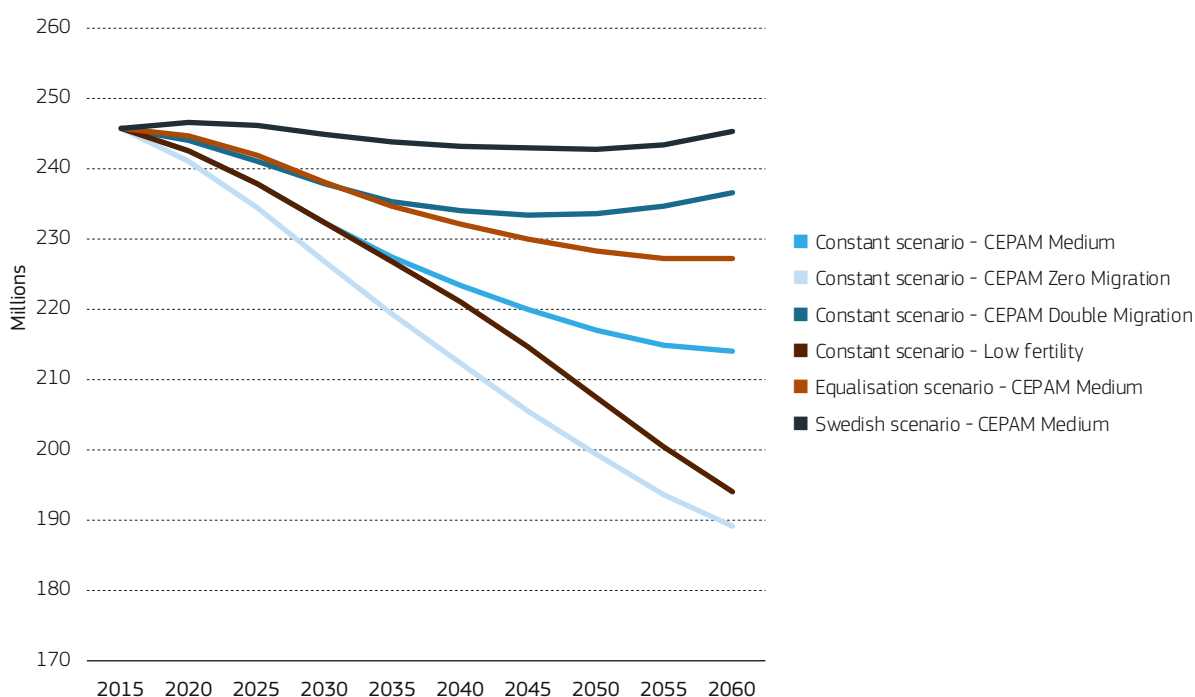
The results presented here are mostly aggregated at European Union level, complemented by selected country results. Detailed results for each country can be found in the Appendix 1 of this report.

4.4.1 Labour force size

According to the CEPAM Medium (SSP2) scenario in terms of demographic behaviours and migration, the labour force size is expected to decline sharply in the European Union in the upcoming years if labour force participation rates remained constant. In a timespan of

45 years, the labour force would lose about 13 % of its size, decreasing from 245.8 million workers in 2015 to 214.1 million in 2060 (Figure 4.3). However, due to the fact that demographic components as well as the educational attainment and labour force participation are quite different between countries, projected trends in labour force size differ at the national level. In the 13 New Member State (NMS13) countries, where fertility levels are lower and net migration is negative, the overall pace of the decline is expected to be much more severe under the constant participation scenario. The projection results anticipate a decline for 2060 exceeding 25 % in the absolute workforce size compared to 2015 in all of these countries except Estonia and Slovenia, where the decline would be a bit less. On the other hand, many countries in Western Europe with moderate or high fertility levels combined with positive net migration, such as France, Ireland, UK and Sweden, would avoid a shrinking of their labour force size even under the assumption of constant participation rates. As a consequence of these different dynamics, the share of countries among the total EU labour force is projected to change over time. In 2015, Germany was the most populous country in terms of workers, hosting 17.4 % of the total labour force of the European Union. Because of its very low fertility level, this share is expected to decrease to 16.4 % in 2060, putting the UK in a leading position at (16.5 %), followed closely by France (15.2 %). All NMS13 countries would on their side see a loss of their share in the European Union labour force.

FIGURE 4.3: Total labour force size in the European Union according to 6 scenarios, 2015-2060 (Source: own calculations)



NB: *Constant, equalisation and Swedish scenario* refer to the underlying participation scenario. *Medium, Double Migration, Zero Migration and Low fertility* refer to the population scenario that participation rates are combined with.

For EU-28, the scenario with double migration reduces the expected decline of the labour force under the constant participation scenario by about 70 %, as the projected size in 2060 would reach 236.7 million workers. At the opposite end, with a projected size of 189.2 million workers in 2060, the decline is intensified for the scenario with no migration. Again, at the national level, results are quite different, because alternative migration assumptions obviously affect countries more where migration is a major factor of their demographic dynamic. For instance, in Austria, the double migration scenario changes the expected decline into small growth. Romania, on the other hand, has a negative net migration, and as a consequence, doubling migration exacerbates the decline of the labour force size.

The scenario with lower fertility rates also generates different projected labour force sizes. For the first decades, this scenario and the CEPAM Medium (SSP2) scenario project the same labour force size, but starting in 2030, as new cohorts with different sizes enter the labour force, the discrepancy between the two scenarios increases. Indeed, in 2060, the scenario with low fertility results in about the same labour force size as the scenario with no migration. Fertility and migration are indeed important determinates of the future labour force size.

The results above are related to the scenario where labour force participation rates are kept constant by age, sex, country, and education level. However, changes in rates could generate quite different futures for the

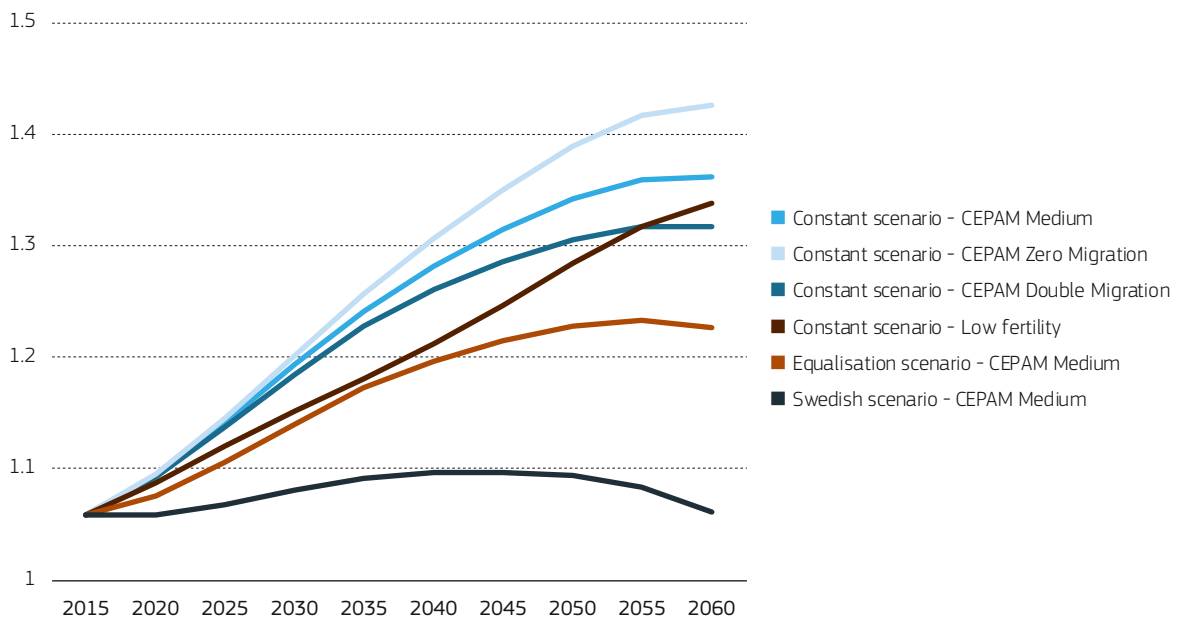
European Union in terms of labour force size. In the equalisation scenario where the rates of women are assumed to reach those of men by 2060, the labour force size would pass from 245.8 million in 2015 to 227.2 million in 2060, which represents about 13 million more workers than under the constant scenario (214.1 million). Indeed, in terms of labour force size of the whole European Union for the first decades of the projection, this alternative scenario has about the same effect as doubling migration. The Swedish scenario, on the other hand, shows an even larger effect, as it would allow a stabilising of the labour force size around 245 million workers, avoiding its shrinking. Changes in labour force participation are thus likely to have a similar or even more significant effect on the future labour force size of the European Union than migration or fertility.

4.4.2 Labour force dependency ratio

The labour force dependency ratio represents the ratio of economically inactive population (including children) to economically active population. It is a good indicator for general economic consequences of population ageing, as it takes into account not only the population composition in terms of demographic structure, but also in terms of labour force participation. All things being equal, because the elderly are less likely to work, an increasing proportion of the elderly in a society would push up the labour force dependency ratio, which could raise issues for the fiscal burden and sustainability of social programmes.

FIGURE 4.4: Labour force dependency ratio in European Union according to 6 scenarios, 2015-2060

(labour force dependency ratio = (population out of the labour force)/(population in the labour force)) (Source: own calculations)



NB: *Constant*, *equalisation* and *Swedish scenario* refer to the underlying participation scenario. *Medium*, *Double Migration*, *Zero Migration* and *Low fertility* refer to the population scenario that participation rates are combined with.

In 2015, the ratio was 1.06 (Figure 4.4), meaning that, there were about 106 inactive people for every 100 workers. With the currently observed labour force participation rates (constant scenario) and CEPAM Medium (SSP2) scenario, the labour force dependency ratio is expected to increase drastically in the coming decades. By 2060, it would reach 1.36, meaning that inactive people would outnumber workers by about 36 %. According to this scenario, ratios would vary a lot by country. They would be much higher in countries experiencing low fertility, high life expectancy and low labour force participation, such as Greece (1.69) and Italy (1.72). On the other end, countries with medium or high fertility and high labour force participation would have more favourable ratios, such as Sweden (1.04) and Denmark (1.05). Although we saw that the expected decline of the labour force size would affect new Member States more severely, their projected labour force dependency ratio would be at intermediary levels, because they are kept down by a lower life expectancy reducing the elderly proportion of the population.

Scenarios with zero migration and with double migration follow about the same trends as the CEPAM Medium (SSP2) scenario. Indeed, although political discourse often refers to migration as a tool to alleviate consequences of demographic ageing, demographers agree that immigration, though affecting population size, has only little impact on the population age structure, which is in large part determined by past demographic behaviours in terms of fertility and mortality (Bijak et al., 2008; Coleman, 1992, 2008). Consequently, the effect of migration on derived labour force indicators such as the labour force dependency ratio of the host region are relatively small. In short, migration, while increasing the population size, affects both the active and the inactive population at the same pace, and as so, has only little effect on the labour force dependency ratio.

For the initial decades, the scenario with low fertility gives a slightly lower labour force dependency ratio than the CEPAM Medium (SSP2) scenario, because there are fewer children, which are obviously included in the inactive population for the early years of their life. However, the small positive effect of lower fertility that is observed for the first years of the projection gradually shrinks, and eventually turns into a negative one in the long-

term, as the labour force of the starting population is progressively replaced by new cohorts that are projected to be smaller in number in the low fertility scenario.

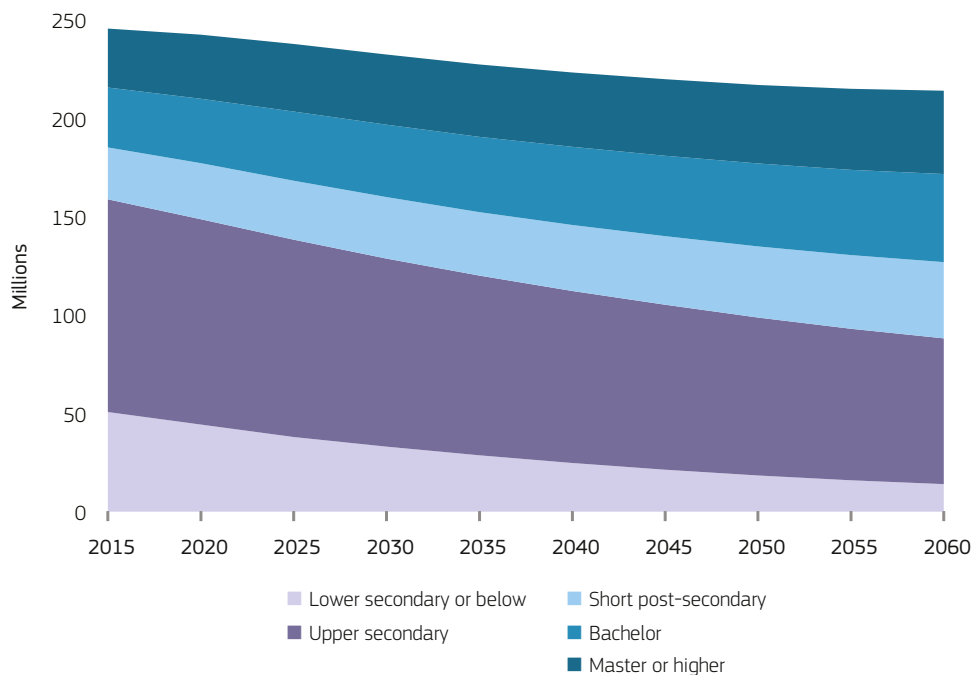
In brief, when assuming constant labour force participation by age, sex, country and education, alternative scenarios on migration and fertility reveal that, for the short and medium term, changes in both migration and fertility are unlikely to affect the increasing tendency of labour force dependency, which is predominantly determined by past demographic behaviours.

Changes in labour force participation rates are much more likely to significantly impact the projected labour force dependency ratio. In the scenario where rates of women reach those of men (equalisation scenario), the increase in the ratio is reduced by half compared to the constant scenario. The ratio would still increase, but at a much lower pace, and it would stabilise at about 1.2 by 2060 (compared to almost 1.4 for the constant scenario). In the Swedish scenario, the ratio would slightly increase from 1.06 to 1.09 in 2050, and would then fall back to the initial level. In other words, an increase of labour force participation rates in all EU member countries toward those observed today in Sweden could nullify a large part of negative future economic consequences of population ageing, because the ratio between non-workers and workers would stabilise without an important increase.

4.4.3 Labour force by education

We see that, according to the CEPAM Medium (SSP2) scenario, a decline of about 13 % is expected in the total labour force size in EU-28 if labour force participation rates are kept constant by age, sex, education, and country. However, when looking at the labour force that represents workers with a post-secondary education (i.e. short post-secondary degree, Bachelor, Master or higher), trends are completely different. Indeed, important growth is projected among this population, expanding from 86.9 million workers in 2015 to 126.0 million in 2060, a growth of about 45 %. The expected decline in the size of the labour force would only affect the population with low (from 50.7 to 14.0 million) or medium education (from 108.2 to 74.2 million).

FIGURE 4.5: Total labour force by education level in the European Union according to the constant participation — CEPAM Medium (SSP2) scenario, 2015-2060 (Source: own calculations)



As a result, the composition of the labour force would change considerably. In 2015, about 2 workers out of 3 had no post-secondary education. By 2060, this share would drop to 2 out of 5. The drop is particularly important for the workers with low education, declining from 20.6 % in 2015 to 6.5 % in 2060. On the other hand, the share of the population with a bachelor or master degree would almost double. This dynamic is the result of the demographic metabolism (Lutz, 2013) by which older cohorts are gradually replaced by younger cohorts that are much more educated.

4.5 Conclusion

While there are limitations to this study — for example, the analysis is based on head-counts only, working hours are not considered — the results of the labour force projections allow a detailed picture of possible trajectories of labour supply in Europe and in each of its member countries. Whether population age-structure shifts towards higher ages and the shrinkage of the working-age population does in fact produce a shrinking labour force, will depend on how age-specific labour force participation rates — particularly of persons aged between 50 and 70 and of women — will develop in the coming decades. Irrespective of changes in age structure and labour force sizes, it can be expected that the human capital of future workers of any age, measured by the highest level of education attainment, will be higher than nowadays.

Future migration flows could be an important driver of the future size of the labour force in the European Union, as more migration could significantly reduce the expected decline. However, increasing migration flows are unlikely to alleviate economic consequences of population ageing. Indeed, our projection results show that doubling migration would only slightly improve the labour force dependency ratio, without altering broad trends toward higher levels. Only major changes in labour force participation could significantly decrease this trend.

Projections of any kind that cover several decades are naturally prone to a lot of uncertainty. In the current projections of labour supply, uncertainty enters through the population projections as well as the assumptions for future participation. The greatest uncertainty with the population projections comes from migration. Also, future labour demand considerations have been completely ignored, even though it is clear that labour supply does not develop completely independent of labour demand. While deliberately using the concept of the economically active population and not employment, which would require explicit assumptions about future developments of unemployment, phenomenon like the discouraged and additional worker effect will still affect labour supply (ILO Department of Statistics, 2013).

Whereas there is a lot of agreement that future labour demand will be different in many respects from past and current labour demand, not least due to anticipated

effects of technological progress in general and automatisisation and digitalisation in particular, what exactly this will mean for people with different levels of skills and different occupations is far from certain. In case of the US, it has been found that job-growth since around 2000 was lower in mid-digital occupational groups than for occupations that fall into low- and high-digital occupational categories (Muro et al., 2017). Autor (2015) also finds this kind of polarisation when it comes to wage gains in recent decades, but does not expect

this trend to continue much longer and stresses the fact that automation does also increase demand for labour. For Europe, a continued medium-term increase in the demand for higher skills is expected (Cedefop, 2016), so the projected increase in the education level of the European labour force in this chapter should coincide with demand. However, Cedefop (2016) also expects continued demand for jobs that require fewer skills, suggesting a polarised demand for skills in the European context.

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CHAPTER 5

Future demographic trends in Eastern Europe and Central Asia



5 Future demographic trends in Eastern Europe and Central Asia

Michaela Potančoková and Dilek Yildiz

5.1 Introduction

This chapter focuses on the non-EU countries of Eastern Europe, Central Asia and Turkey. The countries to Europe's east have strong political, economic as well as migration ties with the EU due to their geographical proximity and in many cases common history. For the following analysis we have divided these countries into four sub-regions: 'Western Balkans', 'Eastern Europe', 'Central Asia and Transcaucasia' and 'Turkey.'

The first sub-region, *Western Balkans*, consists of countries that have signed the Stabilisation and Association Agreement with the EU: Albania, Bosnia and Herzegovina, former Yugoslav Republic of Macedonia, Montenegro and Serbia. These countries are on an integration trajectory into the EU, with Serbia, Montenegro, former Yugoslav Republic of Macedonia and Albania listed as candidate countries and Bosnia and Herzegovina as a potential candidate (European Commission, 2018a). As of February 2018, Serbia and Montenegro have opened most chapters and these two countries could join the EU in its next enlargement that may come as early as 2025. Western Balkan countries have been primarily sending migrants to Western Europe and as a result in 2016, there were 1.3 million ex-Yugoslavs living in Germany (DESTATIS, 2017) and 364 thousand in Austria (Statistik Austria, 2017), and 442 thousand Albanians living in Italy in 2017 (ISTAT, 2017). In the 1990s the humanitarian crises during the Yugoslav Wars triggered a large migration wave that contributed to the formation of numerous diasporas that have formed previously with the arrival of guest-workers since the late 1960s. More recently, some of the new EU Member States that make up the EU-13, in particular Slovakia, started attracting large numbers of workers from the region (The Economist, 2017), due to linguistic proximity and demand for cheap labour in the automobile industry and others. The closer integration of the Western Balkans into the EU can result in increased migration. Indeed, such immigration could turn some of the EU-12 Member States into net receiving countries, after themselves becoming important sending countries of labour immigration to Western Europe following their accession in 2004.

The countries of the former USSR are split into two sub-regions: *Eastern Europe* (Russian Federation, Belarus, Moldova and Ukraine), and *Central Asia and Transcaucasia* (Armenia, Azerbaijan, Georgia, Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan and Uzbekistan). The Russian Federation attracts immigrants from many of the ex-Soviet countries, while remaining an important sending country of immigrants to the EU. In 2011, 1.2 million Russian citizens resided permanently or temporarily in EU countries (55 % of all Russians abroad), with Germany hosting the largest stock (238 thousand)⁽⁴⁾ (Migration Policy Centre, 2013). A sizeable number of over 1 million ethnic Russians reside in the Baltic countries, comprising 27 % of Latvia's population (557 thousand in the 2011 Census) 25 % in Estonia (326 thousand in the 2011 Census) and 6 % in Lithuania (177 000 in the 2011 Census). In addition, a sizeable Ukrainian diaspora resides in some EU countries, primarily the Czech Republic, where Ukrainians were the largest group with foreign citizenship in 2011 (118 thousand according to the 2011 Census).

Beside the sizeable number of Russian citizens residing in the EU, the Russian Federation is also a large receiving country, particularly of migrants originating from former Soviet republics, many of which have maintained close economic and political links with the Russian Federation. Between 2001 and 2011 about 825 thousand persons emigrated from Russia, while about 2.4 million immigrants arrived, mainly from former Soviet countries in Central Asia and Transcaucasia (Migration Policy Centre, 2013). Thus, immigration has become a notable component counterbalancing natural population decline that would otherwise take place as a result of the persisting of low fertility rates and relatively high mortality rates in comparison to EU countries.

The fourth sub-region in this chapter, *Turkey*, is considered separately as it is a populous country (almost on par with the EU's largest country Germany) with strong ties with the EU, especially in terms of migration. Today, more than 6 million Turkish citizens are estimated to live

⁽⁴⁾ Some of whom, however, are ethnic Germans that were allowed to come back to Germany after the fall of the iron curtain.

abroad (Republic of Turkey Ministry of Foreign Affairs, 2011), 5.5 million of whom are located in Western Europe. Historically, Turkey has been a country of emigration, with the flow gaining momentum in the 1960s after Turkey signed bilateral agreements with several European countries to allow Turkish guest workers to compensate for labour shortages following World War II. As a result of the Labour Contract Agreement in 1961, Germany became home to hundreds of thousands of workers/migrants from Turkey (İçduygu, 2012). After the 1980s, the nature of Turkish migration to Europe changed. Political migrants dominated the migration flows as a result of the 1980 coup d'état and armed conflict in Southeast Turkey (Sirkeci and Esipova, 2013). Between 1980 and 2011 more than 1 million Turkish citizens filed an asylum application in an industrialised country (ibid.). Starting from the 1990s, flows of high-skilled migrants to the EU as well as to North America also started.

Since the mid-2000s the migration situation between Germany and Turkey changed and the more numerous outflow of returning Turks led to a negative migration balance (Sirkeci et al., 2012; Sirkeci and Esipova, 2013). Furthermore, during the same period, it is noted by Sirkeci et al. (2012) that the net migration between Turkey and other countries, namely the Netherlands, France, Austria and Switzerland, was characterised by a declining trend. It is important to note that naturalisations also played a role in the reduction of net migration figures because those formerly counted as migrants were now counted as citizens (Sirkeci et al., 2012). After the failed coup attempt in July 2016, the number of Turkish asylum applicants started to increase again, in particular to EU countries where applications doubled in the second quarter of 2016 (Sirkeci, 2017). Between the third quarter of 2016 and the third quarter of 2017 almost 13 500 applications were filed to countries (Eurostat, 2018).

On the other hand, Turkey has also started receiving an increasing number of immigrants for the last couple of decades. After the wars in Iraq, Afghanistan and Syria, Turkey became a transit country for political migrants fleeing to Europe. Starting in 2011, the war in Syria triggered a large flow of migrants to Turkey and the EU. In 2015, around 885 thousand people entered the EU through Greece (in total more than 1 million asylum seekers arrived in the EU) (European Commission, 2017). After the EU-Turkey statement signed in March 2016, irregular migration from Turkey to the EU dropped by 97 % as a result of a 1:1 mechanism. The core of this mechanism is that all irregular migrants or asylum seekers who crossed to Greek islands from Turkey should

be returned to Turkey after their asylum claims have been assessed; and in return, Syrians will be resettled to the EU from Turkey (European Commission, 2017; European Council, 2016). As part of the agreement, for 2016 and 2017, the EU provided EUR 3 billion to support refugees in Turkey (European Commission, 2017). As of January 2018, the number of refugees in Turkey is estimated at about 3.7 million with the main group being Syrians (over 3 million, UNHCR, 2017) (European Commission, 2018b). Additionally, Turkey also hosts refugees from Iraq, Afghanistan, Iran, Somalia and from other countries.

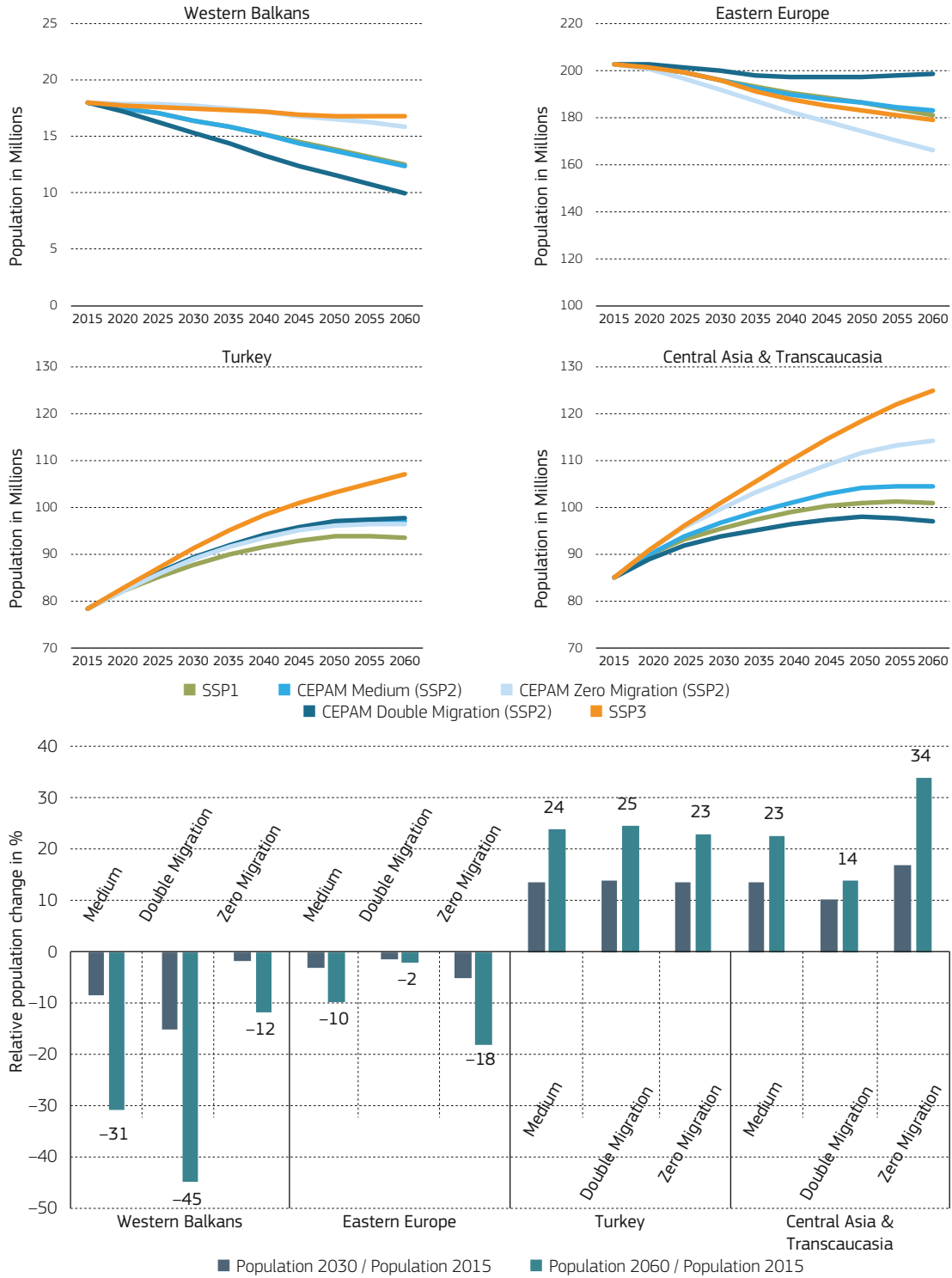
5.2 Population change and the role of migration

The populations of Turkey, and Central Asia and Transcaucasia, are projected to grow in all projection scenarios, while population decline is projected in Eastern Europe and the Western Balkans.

Turkey's population is projected to increase from 78.3 million in 2015 to somewhere between 93.5 and 106.9 million in 2060, depending on future fertility trends. Should fertility remain above 2 children per woman, Turkey's population may exceed 100 million already before 2050 (SSP3, population growth of 36 % between 2015 and 2060). However, should the fertility continue to decline and follow the pattern observed previously in Europe and drop to about 1.6 children per woman by 2050, Turkey's population would stabilize at about 97 million by 2060 (SSP2, population growth 24 % between 2015 and 2060, see Figure 5.1 at the next page).

The population of Central Asia and Transcaucasia is also expected to grow in all scenarios, up from 85 million in 2015 to slightly over 97 million in the CEPAM Double Migration (SSP2) scenario (doubling in- and out-migration rates result in increased negative net migration, which reduces the regional population growth to 14 %) up to 125 million in the case of slow fertility decline and no migration (SSP3, 47 % population growth). Under the CEPAM Medium (SSP2) scenario, the population would increase to 105 million (23 % population growth between 2015 and 2060). Uncertainty of future population growth is the largest for this sub-region among the others considered in this chapter, mainly due to future migration, but also because of diverging trends in the Central Asian countries versus Transcaucasia. While Central Asia is projected to grow, population is expected to shrink in Armenia, Azerbaijan and Georgia due to below replacement fertility and emigration (see Appendix 2, pp. 256, 262 and 354 for more detail).

FIGURE 5.1: Trends in population size and population change by sub-region, all scenarios 2015-2060 (Source: own calculations)



Sub-regions:

Western Balkans : Albania, Bosnia-Herzegovina, former Yugoslav Republic of Macedonia, Montenegro, Serbia;

Eastern Europe : Belarus, Moldova, Russian Federation, Ukraine;

Central Asia and Transcaucasia : Armenia, Azerbaijan, Georgia, Kazakhstan, Kyrgyzstan, Uzbekistan, Tajikistan, Turkmenistan.

The Western Balkans and Eastern European countries are expected to experience sizeable population declines by 2060 in all scenarios, as a result of both low fertility, and high emigration that reinforces the magnitude of depopulation. Different migration assumptions lead to strikingly different demographic futures, in particular for the Western Balkans. Total population for the five Western Balkans countries numbered 18 million in 2015. This number would drop to 16 million in the CEPAM Zero Migration (SSP2) scenario (-12 % between 2015 and 2060, Figure 5.1, bar chart). Should the 1960-2015 average migration rates continue in the long-run, all countries in the sub-region would lose between 7 % (Montenegro) and 51 % (Bosnia and Herzegovina) of their populations by 2060 (-31 % regional average). Should the outmigration intensify (CEPAM Double Migration (SSP2) scenario, with doubled migration rates), the region's population would drop to 9.9 million in 2060 — a mere 55 % of its 2015 population size. In this extreme scenario Bosnia and Herzegovina would lose 73 % of its population by 2060, and Albania 59 % (Appendix 2, pp. 282 and 246).

Eastern Europe would lose about 18 % of its 2015 population size by 2060 due to low fertility (202 million in 2015 to 166 million in 2060, CEPAM Zero Migration (SSP2) scenario), and 10 % in the main scenario (183 million). Thus, the migration assumptions lead to slower population decline in the main scenario compared to the no migration scenario, because of the assumed positive net migration in all countries except Moldova (Moldova may lose between 17 % and 22 % of its population by 2060 depending on the scenario, Appendix 2, pp. 442). In the CEPAM Double Migration (SSP2) scenario the Russian Federation would actually experience mild population growth (up from 144 million in 2015 to 148 million in 2060). This could happen only if the country continues to attract, and doubles, the numbers of new immigrants from the ex-Soviet countries (CEPAM Double Migration (SSP2) scenario). It is, however, more likely that Russia's population will shrink in spite of the positive net migration to between 130-135 million in 2060, as indicated by most projection scenarios (Appendix 2, pp. 496).

5.3 Population ageing and changes in age composition

Since the 1990s the countries of Eastern Europe and the Western Balkans have experienced low fertility rates and gains in life expectancy, and in many cases high emigration. Such trends have resulted in accelerated population ageing. While fertility rates have recovered

in the Russian Federation (1.75 children per woman in 2015) and some other countries, they generally remain at below replacement level (below 1.5 children per woman in Serbia and some other countries). In the CEPAM Medium (SSP2) scenario we do not expect fertility to bounce back to replacement level in any country, although some increase in TFR is assumed. We are also assuming increases in life expectancy, which happens at a faster rate for men due to the closing gender gap. The life expectancy at birth in Eastern European and Central Asian countries is lagging behind those in the EU, and this was particularly the case for men: in our CEPAM Medium (SSP2) scenario five countries, including the Russian Federation and Ukraine, men have life expectancy at birth of less than 70 years in 2015-2020, while the EU average stood at 78.6 years. According to the assumptions for the Russian Federation, life expectancy for men would reach a similar value only by 2055-2060 (78.3 years, and for women 87.5 years). Eastern European and Baltic countries have the largest difference in lifespan between men and women (11 years in 2015-2020). In the CEPAM Medium (SSP2) scenario this narrows down to 9 years. In the Western Balkans life expectancy at birth is about 75 years for men 2015-2020 (about 82 years for women) and would increase to about 85 years for men and 89 years for women around 2055-2060.

The population of elderly will increase in size and share in all four sub-regions in all scenarios. According to the CEPAM Medium (SSP2) scenario, the share of population 65+ would double in the Western Balkans to 34 % by 2060, as well as in Eastern Europe (28 %) (Table 5.1). Significant changes in the size and share of elderly population are expected also in Turkey (tripling in the share to 23 % in 2060) and in Central Asia and Transcaucasia (18 % in 2060) that had in 2015 still a 'youngish' population composition with over 1/3 of children 0-19 years and a share of elderly below 10 %. The Western Balkans would have the oldest population (median age 53 years), followed by Eastern Europe (46 years) and Turkey (45 years). Median age would increase most considerably in Turkey (+ 15 years to 45 years in 2060). For a comparison, in 2015 the median age of the EU's population stood at 43 years. By 2060 the populations of Eastern Europe and the Western Balkans would be older than the EU (49 years in the CEPAM Medium (SSP2) scenario) and the share of the elderly would be higher in the Western Balkans than in the EU-28 (32 % in the EU in SSP2 CEPAM Medium (SSP2) scenario). The share of the elderly stood at only 13 % in the Russian Federation compared to 19 % in the EU-28, and under the CEPAM Medium (SSP2) scenario Russia's population would still have a bit lower share of the elderly in 2060 (28 %) compared to the EU (32 %).

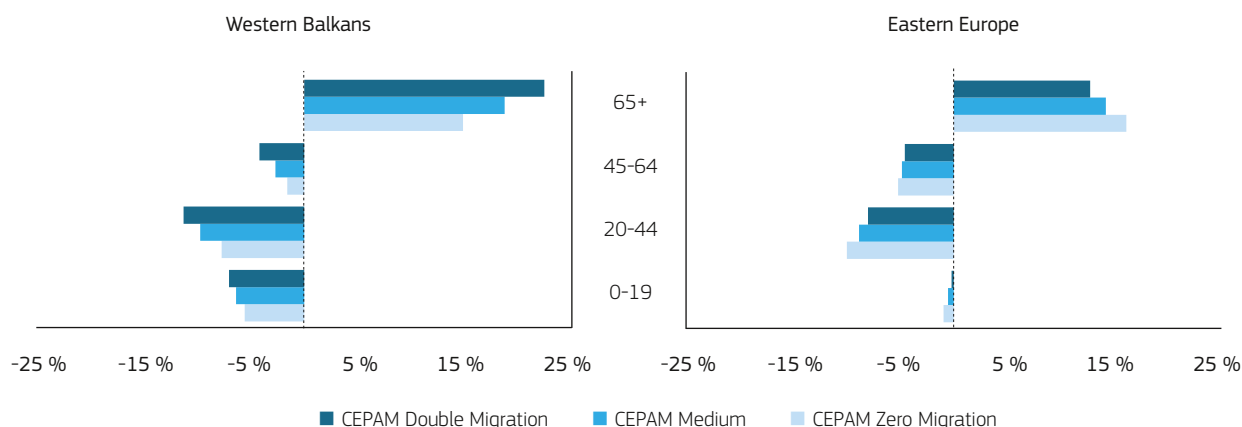
TABLE 5.1: Changes in age composition and ageing indicators in 2015 and 2060 in the CEPAM Medium (SSP2) scenario

Sub-region	Year	0-19	20-44	45-64	65+	OADR	Median age
Western Balkans	2015	23 %	35 %	27 %	15 %	22 %	39.2
	2060	17 %	25 %	24 %	34 %	63 %	52.6
Eastern Europe	2015	21 %	37 %	28 %	14 %	20 %	39.0
	2060	20 %	29 %	23 %	28 %	50 %	45.7
Turkey	2015	34 %	39 %	19 %	8 %	12 %	29.9
	2060	21 %	30 %	26 %	23 %	37 %	44.5
Central Asia and Transcaucasia	2015	36 %	40 %	19 %	5 %	8 %	27.7
	2060	24 %	33 %	25 %	18 %	28 %	40.4

Migration assumptions make a substantial contribution to the change in population age compositions in the Western Balkans and in Eastern Europe (Figure 5.2), however, in a contrasting manner. In the Western Balkans emigration exacerbates population ageing and leads to higher share of elderly and a lower share of younger adults and children. The CEPAM Zero Migration (SSP2) scenario finds the smallest increases in the share of older age groups and a less pronounced decline for younger age groups, as opposed to what happens under the CEPAM Double Migration (SSP2) scenario. Thus, the share of population 65+ in 2060 would be 30 % under the

CEPAM Zero Migration (SSP2) scenario contrasted with 37 % under the CEPAM Double Migration (SSP2) scenario.

In our Eastern Europe sub-region, the effect is the opposite, mainly due to the assumed net migration gains in the Russian Federation, although migration has a comparatively lesser impact. In the absence of migration, 30 % of the sub-region's population would be at least 65 years old in 2060 as opposed to 28 % in the CEPAM Double Migration (SSP2) scenario. Migration affects the size and share of younger adults (20-44 year olds), but alters the share of children only to a limited extent, as most immigrants tend to be young adults.

FIGURE 5.2: Changes in age composition between 2015 and 2060 depending on different migration assumptions, CEPAM (SSP2) scenarios (Source: own calculation)

For Turkey, the migration scenarios do not yield much difference as a result of migration assumptions that do not differ much between scenarios because the country is assumed to have close to neutral net migration rates. Also in Central Asia and Transcaucasia as a whole, the changes in age composition are similar across CEPAM scenarios. However, for individual countries one can find large differences in the pace of population ageing, especially for the three Transcaucasian countries (see the Appendix 2).

5.4 Changes in educational attainment

The CEPAM scenarios assume continued progress in education for all four analysed sub-regions. This section summarises the results of the CEPAM Medium (SSP2) scenario. The mean years of schooling of the population 25+ (MYS25+) were very similar across the Western Balkans, Eastern Europe and Central Asia and

Transcaucasia, ranging from 10.3 to 10.9 years, but lower in Turkey (8.3 years) in 2015. The populations of the four regions were already above the global average of 7.9 years, however, still below the EU-28 average (11.6 years). According to the CEPAM Medium (SSP2) scenario, in which the educational expansion follows the global trend, the MYS25+ would increase to 12.1 years in Turkey and 12.2-12.9 years in the other three sub-regions. The overall numbers for the whole adult population conceal important inter-generational disparities that are visible in the population pyramids for 2015 (Figure 5.3).

In the former Soviet Union, relatively early enforcement of compulsory primary education and adult learning programs aimed at increasing the qualification of for workers, resulted in a very low share of persons with a maximum of lower secondary education, already in the older cohorts. In Eastern Europe for example, the share of population 40-64 years with at most completed primary schooling was only about 1 % in 2015. Further reflecting high levels of education, the share of persons with only lower secondary was below 7 % among 40-64 year-olds in 2015, and among the 25-39 cohort only about 7 %.

In the Western Balkan countries 9 % of 40-64 year olds had at most completed primary education compared to 3 % among 25-39 year olds in 2015. As measured in 2015, elderly in Eastern Europe were on average better educated than 25-39 year olds in Turkey. Due to cohort replacement the share of population with at most primary education would be negligible at about 1 % in 2060 in Eastern Europe and Western Balkans (CEPAM Medium (SSP2) scenario) while in Turkey it would still stand at 9 % in 2060 (6 % among men and 12 % among women, but only about 2 % among the age group 25-39).

Looking at the post-secondary education among the population 25+, Eastern Europe's share (26 %) was comparable to the EU average (29 %) in 2015. The value was lower in the Western Balkan region and in Turkey (around 18 %). The share of Turkey's post-secondary educated was similar to Portugal, one of the least educated EU countries. Interestingly, the share of post-secondary educated among the 65+ year olds was very similar for Eastern Europe (17 %) and the EU-28 (15 %) but the gap is widening for the younger generation (age 25-39), with fewer Eastern Europeans pursuing post-secondary education (33 % and 40 % respectively).

FIGURE 5.3: Population composition by age, sex and educational attainment in 2015 and 2060 (CEPAM Medium (SSP2) scenario) by sub-region (Source: own calculations)



In sub-regions with already highly-educated populations, the most significant future change is predicted to come from an increasing share of post-secondary educated. Under the CEPAM Medium (SSP2) scenario for Eastern Europe, virtually everyone at age 25-39 would have completed upper secondary education and 51 % would have attained a post-secondary diploma or a degree in 2060 (41 % in the population 25+). More changes are visible in the Western Balkans, where still a sizeable share (19 % of 25-39 year olds and 24 % of 40-64 year olds) had only completed lower secondary education. By 2060, almost every 25-39 year old would complete upper secondary education and the share of post-secondary educated would stand at 48 % (33 % in the population 25+) with global education trend assumptions. Similarly to the EU, more women than men in age group 25-39 had a post-secondary education in Eastern Europe and the Western Balkans (100 women for 70 men in 2015). The projections assume that the female advantage in post-secondary education would persist in Eastern Europe and would become more pronounced in the Western Balkans (100 women for 60 men).

The Turkish population would undergo the most visible transformation in our CEPAM Medium (SSP2) scenario. The age structure changes from slightly progressive (classic pyramid shape) to an aged shape common to many EU countries in 2015. The population would become much more educated as the older less educated cohorts would be replaced by more educated ones.

In 2015 Turkey's population was much less educated in comparison to the three other sub-regions considered here, as well as to the EU-28, with 38 % of the

population 25+ having at most completed primary, 19 % for lower secondary, 20 % upper secondary and 18 % post-secondary education. Younger cohorts were better educated than older ones, as the share of post-secondary educated reached 27 % among the 25-39 year olds in 2015 (a mere 5 % among 65+, 11 % among 40-64 year olds). The steep pace of inter-generational education improvement was particularly strong among women. In the CEPAM Medium (SSP2) scenario these favourable trends are continued and as a result 50 % in the age group 25-39 would have post-secondary education in 2060 (comparable to the other sub-regions), and 40 % in the age group 40-64. The cohorts with a sizeable share of low educated would be older than 65 years, thus, the workforce in 2060 would not only be larger, but also much better educated than in 2015.

Unlike in the EU countries, where women were more numerous than men in higher education, fewer women than men had post-secondary education in Turkey. The gender gap was strongly pronounced at all educational levels and persisted also among the younger age groups in 2015. More women than men had received 'little or no' or 'low' education, e.g. 7 % of women 25-39 had no or unfinished primary education (3 % men) and 24 % had completed a primary education (12 % men). At the post-secondary level the male advantage was narrow among the 25-39 year olds (26 % vs 28 %) and may soon turn into a female advantage, as assumed in the CEPAM Medium (SSP2) scenario. By 2060 a mere 2 % of Turkish 25-39 year olds are projected to have at most primary education (down from 23 % in 2015), and 50 % would have a post-secondary degree (54 % among women and 46 % among men).

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CHAPTER 6

Population trends and challenges in the Middle East and North Africa



6 Population trends and challenges in the Middle East and North Africa

Daniela Ghio, Erofilii Grapsa and Alessandra Conte

The political landscape of the Middle East and North Africa (MENA, *the list of the countries* is provided in Table 6.A1 — Appendix) has changed dramatically from 2010 onwards, due to the events that occurred during the Arab Spring. The causes of the protests varied from country to country, but such political instability could exacerbate the challenges from rapid population growth the region has been facing since the second half of the 20th century, when its population increased from around 100 million in 1950 to around 380 million in 2000 (United Nations, 2000), recording an annual peak of 3 % in 1980s.

6.1 Population size

6.1.1 The base year, 2015

At the turn of the century, population growth had moderated in the MENA region, yet, due to demographic momentum, the average population growth was still 1.4 % annually from 2000 to 2015, and the total population of the MENA region reached 459 million in 2015; about half lived in Middle Eastern countries (233 million or 51 %), the other half in North Africa. Despite the general shift from high to low mortality and fertility that can be observed throughout the region, MENA countries experience the demographic transition at different paces. As a result, the MENA countries presented an array of demographic regimes in 2015. Egypt had the largest population (94 million with relatively high fertility rates, 3.4 in 2010-2015), whilst Iraq, Sudan and Yemen had the highest fertility rates recorded in the region (more than four children per woman). On the opposite side, the United Arab Emirates, Lebanon, Qatar and Iran have reached fertility below replacement levels. The decline of fertility was preceded by a decline in mortality: it benefited young children as infant mortality rates dropped from 200 deaths per one thousand live births in 1950 to 50 deaths per one thousand in 2000. Nevertheless, the population in some MENA countries was stricken by war, i.e. Syria, and some countries had relatively low life expectancies in 2015, like in Sudan, where the life expectancy at birth was 63 years for males and 66 years for females.

At the end of 2015, over 6 million refugees worldwide originated from the MENA region (UNHCR, 2016). Three

countries accounted for more than half of the annual conflict-related displacements in the world: around 2.5 million Yemenites, nearly 10 % of the population of Yemen, an estimated 6.6 million Syrians, and 4.4 million Iraqis.

6.1.2 The projected population in 2060 and 2100

According to the CEPAM Medium (SSP2) scenario, the MENA population is expected to exceed 728 million in 2060, representing a 59 % increase for the whole region since 2015, with significant growth in some countries, such as Iraq (115 %), Jordan (109 %), Yemen (119 %) and Western Sahara (112 %). From 2060 to 2100, MENA's population growth might not be more than 2 %, with different trends between countries: the population would decrease in Morocco (-18 %) and Tunisia (-15 %), while it would still increase rapidly in countries, such as Western Sahara and Iraq (more than +20 %). Doubling migration, both emigration and immigration rates (CEPAM Double Migration (SSP2) scenario) would not affect the MENA population substantially, as it would reach 718 million in 2060, which implies 1 % less compared to the CEPAM Medium (SSP2) scenario. By contrast, under the hypothesis of a closed population (as described by the CEPAM Zero Migration (SSP2) scenario), the MENA population is estimated to reach more than 740 million. Meaning that, if the growth could be only governed by fertility and mortality regimes, the MENA population would be 12 million larger compared to the CEPAM Medium (SSP2) scenario.

Migration effects can be assessed as the difference between the estimated population by the CEPAM Zero Migration (SSP2) scenario and the estimated population by the CEPAM Medium (SSP2) scenario. Referring to the period 2055-2060, countries can be then classified as follows: a) countries experiencing depopulation as the result of emigration and low fertility: Syrian Arab Republic, State of Palestine, Sudan, Morocco, Tunisia, Iraq and Yemen; where conflicts and conditions of political and economic instability would be determinants; b) countries facing an enlargement of their populations, as a consequence of immigration, such as United Arab Emirates, Qatar, Western Sahara, Kuwait and Bahrain

(nonetheless, in 2015, some of those, like Western Sahara, would be defined as transit countries).

The significance of migration appears even greater when analysing separately North Africa and the Middle East. In 2060, according to the CEPAM Zero Migration (SSP2) scenario, North African sub-regional population would account for 368 million, increasing by 24 million in comparison with the CEPAM Medium (SSP2) scenario and by more than 46 million in comparison with the CEPAM Double Migration (SSP2) scenario. By contrast, in 2060, Middle Eastern sub-regional population would be 396 million (+ 70 % in comparison with the population size in 2015) as a result of the migration hypothesis (CEPAM Double Migration (SSP2) scenario), engendering an increase of around 11 million in comparison with the CEPAM Medium (SSP2) scenario, and 24 million in comparison with the CEPAM Zero Migration (SSP2) scenario.

The *SSP1 and SSP3 scenarios* would show more dramatic effects on the future population of the MENA region as can be seen from Figure 6.1.

According to the *SSP1 scenario*, the MENA population would grow steadily from 459 million in 2015 to 665 million by 2060 (+ 45 %); after peaking in 2060, it would start declining to reach 613 million in 2100 (-8 %), in line with the SSP1 scenario's hypotheses of sustainability and social development. With respect to the sub-regional

populations, from 2015 to 2060, the Middle Eastern countries would grow faster (+ 47 %) than the North African ones (+ 42 %); in 2060, the Middle Eastern populations would account for 344 million, against 320 million for the North African populations. Specifically, some countries, such as Algeria, Libya, Egypt and Morocco would record a larger population under the SSP1 scenario in comparison with the populations resulting from the CEPAM Double Migration (SSP2) scenario.

By contrast, according to the *SSP3 scenario* the MENA population would approximately double, from 459 million in 2015 to 865 million in 2060 (+ 89 %), and would continue growing to 1,159 million by 2100 (+ 34 %). During the period 2015-2060, the highest population increase would be experienced by Iraq (+ 179 %), State of Palestine, Sudan (+ 164 %), Yemen (+ 162 %) and Jordan (109 %).

In 2060, the comparison between the *SSP3 and the CEPAM Medium (SSP2) scenarios* would show a larger population in all MENA countries under the *SSP3 scenario*. This divergence would be more significant in countries, such as Syrian Arab Republic (48 %), Sudan (42 %), State of Palestine (41 %), Morocco (36 %) and Iraq (30 %), where assumptions related to the conditions of extreme poverty would not limit immigration and the level of predicted demographic pressure would partially act as one of the emigration drivers.

FIGURE 6.1: MENA Population by scenario, 2015-2100 (Source: own calculations)

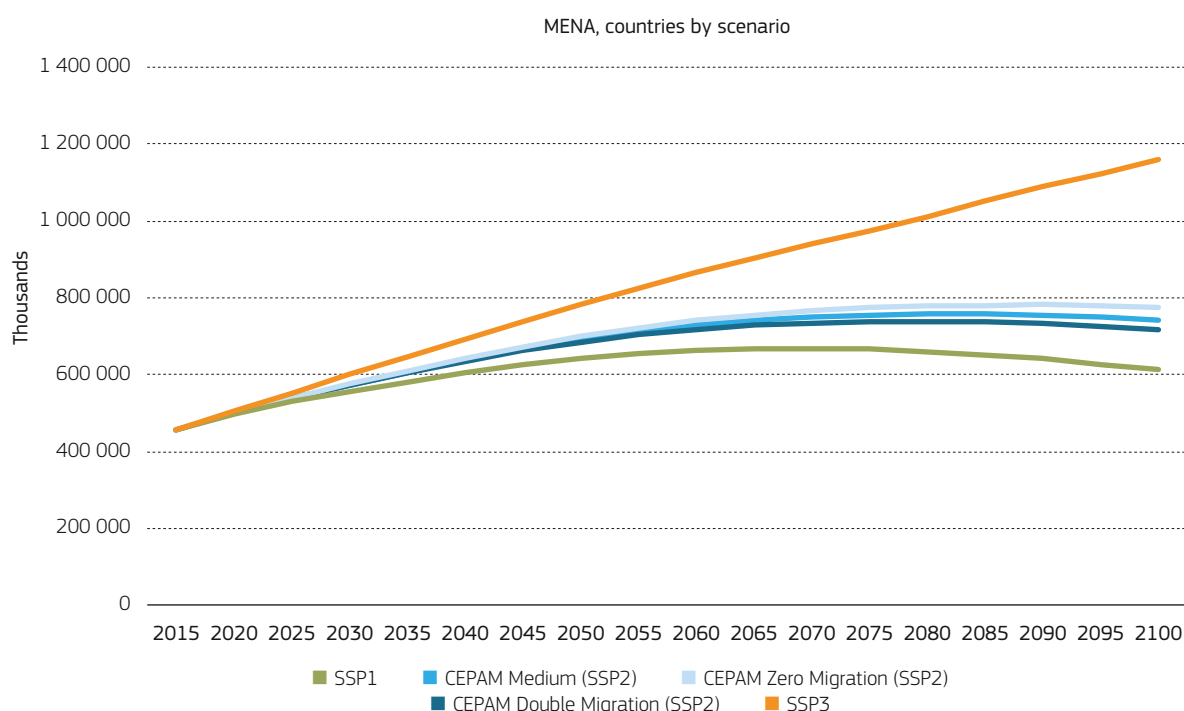
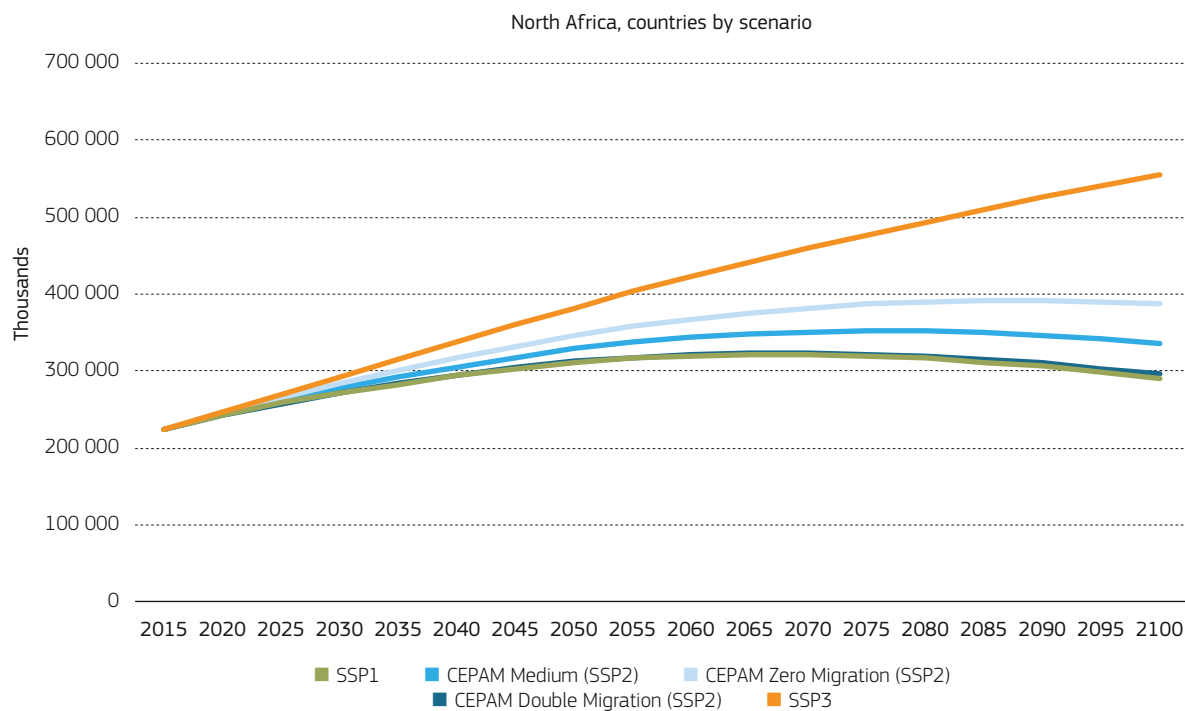
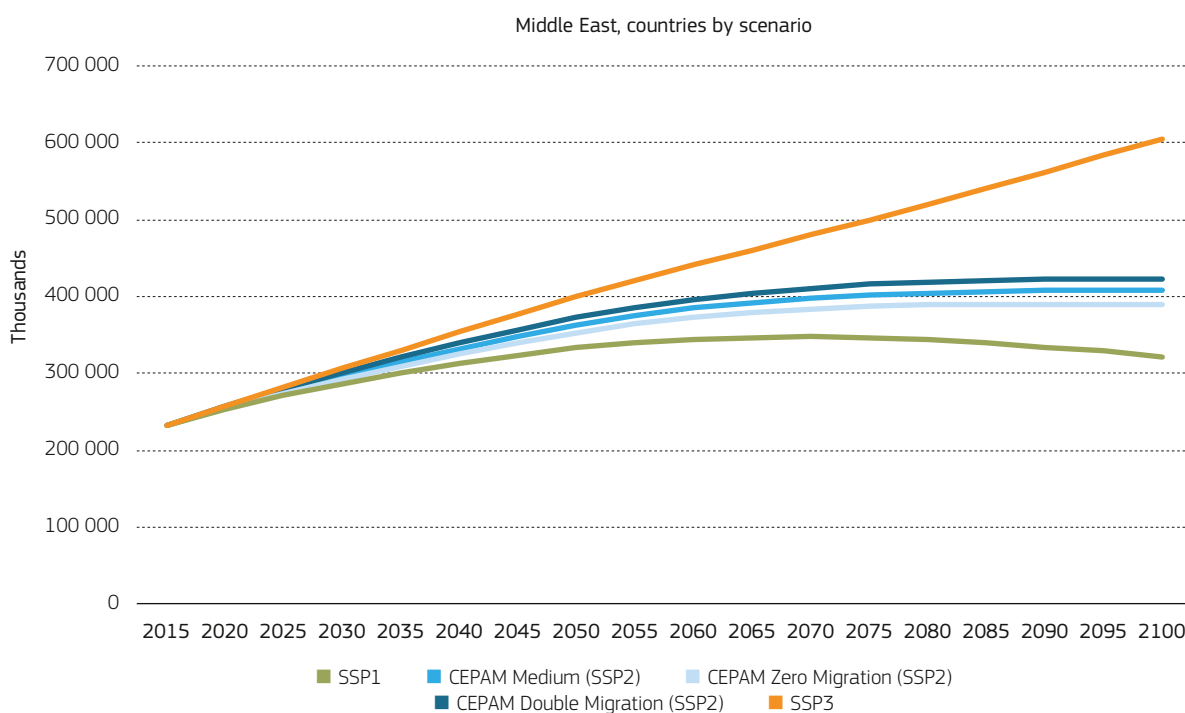


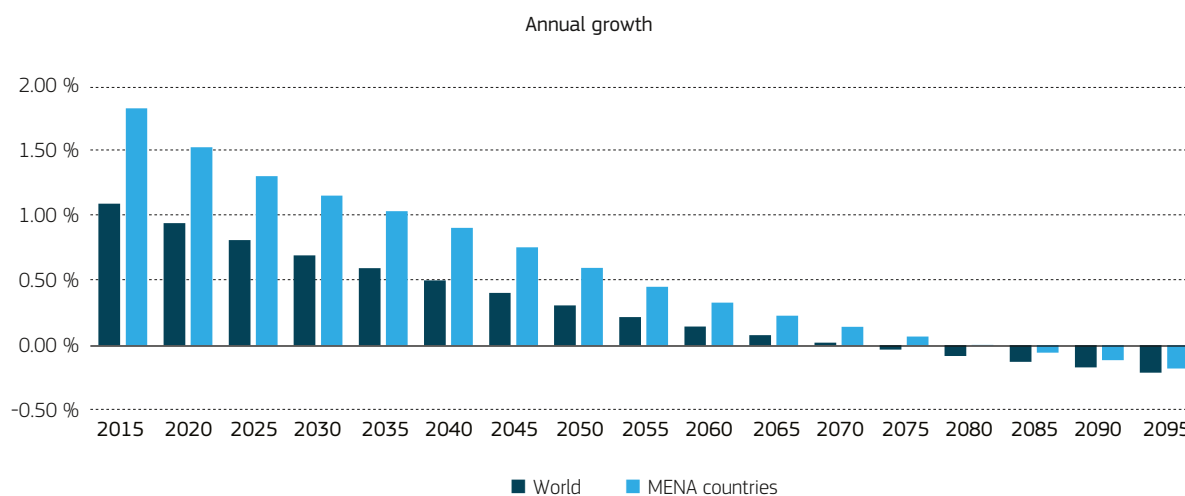
FIGURE 6.2: North Africa Population by scenario, 2015-2100 (Source: own calculations)**FIGURE 6.3:** Middle East population by scenario, 2015-2100 (Source: own calculations)

6.1.3 Population growth rates and trends in specific countries

Under the assumptions of the CEPAM Medium (SSP2) scenario, MENA populations would rise faster than the world overall, driven largely by increasing numbers of people surviving to reproductive age. Figure 6.4 displays

the annual growth (in percent) for all countries in the world and MENA countries from 2015 to 2100: it shows how population growth would remain positive in all MENA countries until 2085-2090, given the population momentum and despite a general decline in fertility rates (indeed, after 2055, only Sudan and Yemen would have a total fertility rate above replacement level).

FIGURE 6.4: Annual growth (in percent*), in MENA and World in 2015-2100 — CEPAM Medium (SSP2) scenario (Source: own calculations)



Note: * The annual rate is calculated by each 5-year interval, comparing the population at the beginning of the period with the population projected after 5 years and dividing this difference by 5.

This tendency towards a stable (stationary or declining) population is particularly evident in some countries, such as Morocco, whose population is projected to slowly increase from 2015 to 2060 according to the CEPAM Medium (SSP2) scenario. Different phases of Moroccan population growth would be detected: — from an annual population growth of 1.2 % in 2015-2020, to a stationary condition in 2055-2060; — then, a decrease which progressively would attain the annual rate of -0.74 % in the last interval 2095-2100. The process would even become faster, taking into account the CEPAM Double Migration (SSP2) scenario: migration would accelerate the process bringing 20 years forward (period 2040-2045) the occurrence of the stationary population and the following decline (Figure 6.A1 Appendix).

Otherwise, migration could play a different role for the dynamics and stability of populations. In Egypt, migration would not significantly affect population growth: the projected annual rate under the assumption of the CEPAM Double Migration (SSP2) rates would be close to the projected rate under the CEPAM Medium (SSP2) scenario. The Egyptian population (Figure 6.A2 Appendix) would steadily rise from 2015 to 2090, despite a drop of its total fertility rate from 3 to 1.58 children by woman in 2055 (-41 %). Furthermore, according to the SSP-1 scenario, potential effects generated by educational and health investments could speed up the achievement of the stationary condition in the period 2080-2085 (in 2030, the total fertility rate is predicted to fall below replacement level).

Indeed, in some countries, such as Iraq, future of educational investments would be the dominant factor: the *education more than migration* would shape Iraqi annual population growth. As described by the Figure 6.A3 Appendix, according to the CEPAM Double

Migration (SSP2) scenario, Iraqi population enlargement would persist until 2100, representing an exception if compared with the MENA countries' annual growth. On the contrary, under the hypothesis of the SSP1 scenario, Iraqi population would start decreasing in 2080-2085.

6.2 Population structure

6.2.1 Age dependency ratio

Demographic developments in the MENA countries have been examined by several researchers (Obermeyer, 1992), mainly focusing on their heterogeneity in the timing and pace of the mortality (Courbage, 2011) and fertility transition (Bongaarts et al., 2012). From an economic perspective, it was expected that the demographic transition could generate a positive effect on the future size of the labour force, opening a demographic window of opportunity. This demographic dividend is here assessed using indicators, such as the age dependency ratio and the share of the working-age population.

The total dependency ratio is an indicator quantifying the number of dependent persons (youth aged 0-14 and elderly aged 65+) for 100 persons in the productive age groups (15-64). According to the CEPAM Medium (SSP2) scenario, the total dependency ratio of the MENA region would range from a proportion of 55 % in 2015 to a proportion of 57 % in 2060, but its composition would shift: the older component (age group 65+) of inactive population would quintuple while the younger component (age group 0-14) would decrease by -5 %. This would reflect the drop in the young dependency ratio from 48 % in 2015 to 29 % in 2060, and consequently the rise in the old dependency ratio from 7 % to 28 %.

The old dependency ratio also reflects the different stages of the demographic transition. Morocco, for example, seems to be in an advanced phase with the proportion of elderly rising to 36 for 100 persons of working age in 2060. By contrast, countries such as Egypt and Iraq seem to be moving slower through the demographic transition with an old dependency ratio that could remain as low as 13 % until 2040.

Coherently, the population ageing measured by the *share of population aged 65+* is expected to increase in Morocco from 6 % in 2015 to 22 % in 2060, in Egypt from 5 % to 14 % and in Iraq from 3 % to 10 %. A downward trend is predictable in the share of younger population (less than 20 years): in Morocco, it would range from 36 % in 2015 to 22 % in 2060, in Egypt from 41 % to 27 % and in Iraq from 51 % to 31 %.

6.2.2 Median age and demographic dividend

According to the CEPAM Medium (SSP2) scenario, the median age is expected to increase from 2015 to 2100 in all MENA countries.

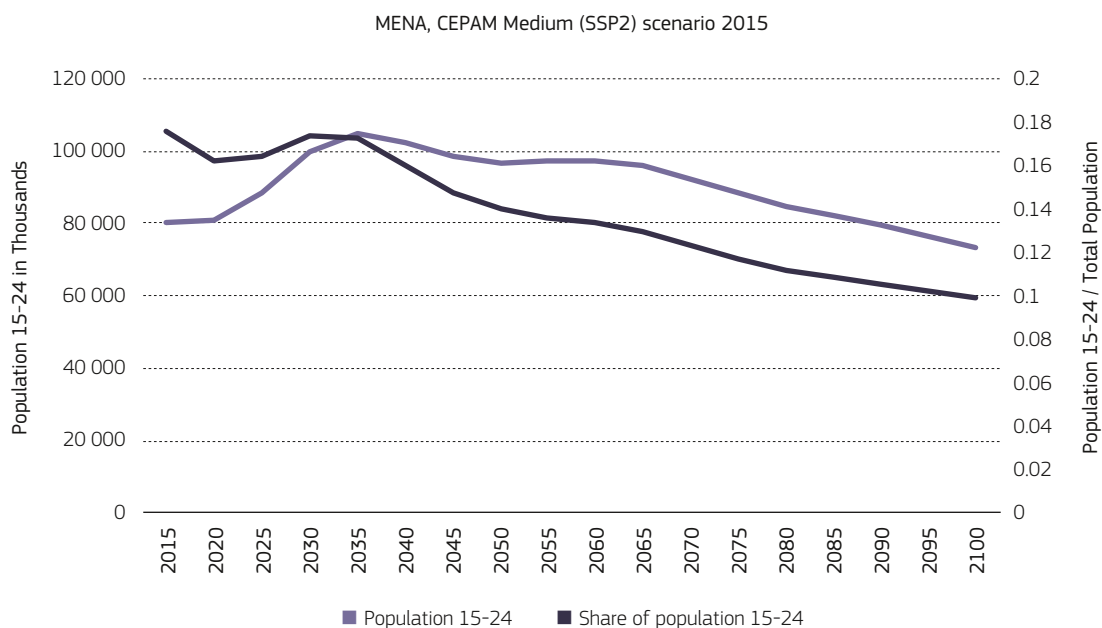
In 2015, the median age is less than 20 years in Iraq, the State of Palestine, Sudan and Yemen; whilst in Bahrain, Kuwait, Qatar, Tunisia and United Arab Emirates, it is more than 30 years. In 2060, MENA countries (with the exception of Sudan and Yemen) would record a median age higher than 30 years, with a peak of 52 years in

Qatar and the United Arab Emirates. In Morocco, the median age would gain more than 14 years from 28 in 2015 to 42 years in 2060, in Egypt it would increase less than 12 years from 25 to 37 years, whereas in Iraq, the median age would grow up from 19 in 2015 to 32 years in 2060.

Measuring the demographic dividend through the share of working age population (share of age group 25-64 to the total population), MENA countries would record a slightly increasing share of the working age population from 47 % in 2015 to 50 % in 2060, under the assumptions of the CEPAM Medium (SSP2) scenario. A similar result can be obtained in the absence of migration (according to the CEPAM Zero Migration (SSP2) scenario) or assuming double migration rates (according to the CEPAM Double Migration (SSP2) scenario), suggesting that migration would have no significant effect on the population structure. However, the trend could diverge by country. In the countries with a positive immigration balance, like United Arab Emirates, Qatar, Bahrain, Kuwait, Oman, and Saudi Arabia immigration could accentuate the demographic dividend (Table 6.A2 Appendix).

Focusing on the young population, around 80 million youth aged 15-24 years lived in MENA countries in 2015, accounting for 18 % of the total population. Figure 6.5 shows the young bulge, calculated as the share of the 15-24 age groups in the population, derived from the CEPAM Medium (SSP2) scenario.

FIGURE 6.5: Young bulge, MENA countries (Source: own calculations)



From the period 2030-35 onwards, the young bulge is projected to constantly decline reaching the proportion of 10 %; in 2100 however the 15-24 population would be stable around 100 million until 2065, before it starts declining. This trend, which is visible in Middle Eastern as well as in North African countries, would imply necessary investments in quality education and the development of employment opportunities for the youth population. At the same time, the countries would need to adjust their systems for rapid ageing in the coming decades. While in the past the care for the elderly has mostly been the responsibility of families, it would be insufficient in the future.

6.3 Demographic components

6.3.1 Migration

The CEPAM Medium (SSP2) scenario assumes a future in which MENA's differences in sub-regional migration profiles are projected to persist in the future.

As a result, *the North African sub-region*, which was in 2015 one of the main sending regions of migrants to the European Union, would remain a sub-region of emigration. The geographic proximity with Europe would likely continue making emigration an attractive option for these populations, particularly from countries that have relations and partnerships with the European Union, i.e. Morocco, Tunisia and Algeria. Nevertheless, it cannot be excluded that different forms of circular migration may emerge ⁽⁵⁾.

The *Middle Eastern sub-region* would keep its immigration profile, receiving high numbers of regional and international immigrants. These migration trends would entail that especially the Gulf Cooperation Council countries, such as Saudi Arabia, the United Arab Emirates, and Kuwait, would continue having a high demand for labour. While it looks likely in a mid-term, the composition of these migration flows might change.

Anyway, according to CEPAM Medium (SSP2) scenario, migration would not be able to affect significantly the MENA population size and structure: the annual emigration rate would not be higher than 0.18 % in all MENA countries until 2060 (0.19 % in North African sub-region, and 0.16 % in the Middle East). It implies that population changes would be mainly driven by fertility and mortality behaviours under this scenario.

⁽⁵⁾ These forms of migration could not be captured using a permanent settlement migration paradigm.

6.3.2 Fertility

In 2015-2020, fertility behaviours across the sub-regions are markedly heterogeneous. There are five countries with a total fertility rate below replacement level, Iran (1.7), Kuwait (1.9), Lebanon (1.7), Qatar (1.9) and the United Arab Emirates (1.7) ⁽⁶⁾, and three countries with more than 4 children per woman, Iraq, Yemen and Sudan.

According to the CEPAM Medium (SSP2) scenario, the average number of children per woman would decrease in all MENA countries from 2015 to 2060: in some countries fertility will decline by more than 50 %, such as in Iraq, the State of Palestine and Sudan.

The *SSP1 scenario* forecasts a sharper decline of fertility in many MENA countries. The sharpest decrease would be noted in Iraq (fertility will fall from 4.1 children in 2015 to 1.4 children in 2060), Jordan (from 3.1 to 1.3), the State of Palestine (from 3.7 to 1.4), Yemen (from 4 to 1.6) and Sudan (from 4.4 to 1.6).

6.3.3 Life expectancy

In 2010-2015, the gender gap in life expectancy at birth was substantial in Syria as a consequence of the war that has been affecting men more than women (12 years), but it was also significant in Libya (5.9 years), Iraq (4.7 years), Egypt (4.6 years), Tunisia and Oman (4.1 years). Only in the two less developed countries of Yemen and Sudan, women had a life expectancy at birth below 70 years, while men's life expectancy was approximately at 66 years. In Bahrain, Lebanon, Oman, Qatar and the United Arab Emirates, the male life expectancy at birth was higher than 78 years. In Algeria, Bahrain, Iran, Lebanon, Morocco, Oman, Qatar, the Syrian Arab Republic, Tunisia and the United Arab Emirates, the female life expectancy was higher than 80 years.

Under the CEPAM Medium (SSP2) scenario, in 2060-2065 life expectancy at birth would increase substantially in all MENA countries. In the Syrian Arab Republic, the male life expectancy at birth would attain 83.5 years, in Libya 85 years and in Iraq 82.5 years. In Sudan and Yemen, the male life expectancy at birth would achieve 72 years and 75 years, whilst the female life expectancy at birth would be 77.6 years and 78.9 years respectively. The highest value of life expectancy at birth will be reached in Qatar, both for men (90.6 years) and women (92.2 years). However, the gender gap would remain significant in Syria (7 years), Libya and Sudan (5 years).

⁽⁶⁾ It should be noted that the fertility rate in the Gulf Cooperation Council countries might be biased downwards by the presence of migrant women without children, while native women might preserve a fertility rate above the replacement level.

Important improvements in longevity are projected by 2060 in Syria, where male life expectancy at birth would gain more than 15 years and female life expectancy more than 10 years; Iraq (12 years for both men and women), and Libya, where male life expectancy at birth would gain more than 13 years and female life expectancy more than 12 years. The CEPAM Medium (SSP2) scenario assumes that recovery would be fast once these countries stabilize their political situation. Yet, heterogeneity across MENA countries would persist as shown by the standard deviation of the life expectancy at birth calculated by gender, which is evaluated at the level of 4.5 years for men and 4 years for women referring to the period 2060-2065.

In general, the progress in life expectancy would mainly increase due to the improvement of life expectancy at older ages, as detected by the *remaining life expectancy of 15 years indicator* that would particularly rise in countries, such as Qatar, Oman, and the United Arab Emirates.

6.4 Educational attainment

In 2015, the mean years of schooling (MYS) in population aged 25+ varied across MENA countries. In the Middle Eastern sub-region, it ranged from 1.7 in Yemen to more than 10 years in the State of Palestine and United Arab Emirates, whilst, in the North African sub-region, it varied from 3.3 in the Western Sahara to 8.7 years in Algeria. The education of women lagged behind that of men in MENA countries: for example, in Yemen, Iraq and Tunisia, viewed across all age groups, the mean years of schooling of women was 2 years lower than the MYS of men; by contrast, in the United Arab Emirates and Qatar, the average education of adult women (above the age of 25) was higher than that of men.

Considering the distribution of education by age-group, in 2015, 31 out 100 adults (above the age of 15 years) living in MENA countries had no formal or incomplete primary education. The proportion was higher (35 out 100) in the North African sub-region, where the post-secondary level was achieved only by 14 % of the population.

The distribution across age groups show past improvements in educational attainment. In 2015, 47 % of MENA population aged 25-44 attained an upper or post-secondary education (49 % in North Africa and 45 % in the Middle East); 24 % had no formal or incomplete primary education (28 % in North Africa and 21 % in the Middle East). Among the 65+ age group, 79 % had received no formal education or an incomplete

primary education (69 % in the Middle East countries); moreover, only 6 out 100 people aged 65+ years had received a post-secondary education. In 2015, the gender gap in educational attainment was less present in the younger generation than it was in the older generation. For instance, the age group 25-44 recorded a similar proportion of post-secondary educated women as men (around 20 % in North Africa and in the Middle East), while above the age of 65, 4 % of women had a post-secondary education in North Africa and only 3 % in the Middle East, against 11 % and 9 % of men respectively.

The CEPAM Medium (SSP2) scenario assumes that large improvements would occur in terms of educational attainment. From 2015 to 2060, the average education of adult population (above the age of 25) is expected to increase by more than 5 years in Yemen, Egypt, Morocco, Sudan and Tunisia.

In the North Africa sub-region, by 2060, 77 % of population aged 15+ would have an upper or post-secondary education (of those, the share of population with a post-secondary education would be 38 %), whilst the proportion of population with no formal education would be less than 5 % in all countries. In the Middle East countries, 64 % of the 15+ would attain an upper or post-secondary education, against 6 % with no formal education.

Improvements in educational attainment are more evident by age-group: 54 % of population aged 25-44 in the North Africa countries, and 37 % of those living in the Middle East countries, would attain the highest level of education, while the share of those with no formal education would be limited to 1 % in the North Africa and 5 % in the Middle East. The share of population aged 65+ with an upper or post-secondary education is expected to be 57 % in the North Africa, and 53 % in Middle East countries respectively.

In 2060, with regard to the lowest level of education, the gender divergence in education is projected to narrow both in Middle East and North Africa, and it would disappear in the most advanced level of education: in the North African countries, the share of women with a post-secondary education would be 52 %, while the proportion of men will be 48 %. Nevertheless, higher levels of education would provide greater opportunities for women if they could be translated into structural changes of the society (Fargues, 2005), in terms of childcare and task sharing in the household, but also in terms of accessibility (and mobility) to the labour market.

BOX 6.1**Educational development in specific countries**

The projected improvement in the MENA region would not be enough to remove the heterogeneity of educational profiles across countries. For example, assuming the CEPAM Medium (SSP2) scenario holds, Iraq would experience an increase in school enrolment and consequently in educational attainment. By 2060, less than 1 % of the population aged 15 and above would not have received a formal education (0 % among 25-44 age groups and 6 % in the age-group 65+). At the other end of the education spectrum, 37 % of the population aged 25-44 year would have a post-secondary education (22 % among the 65+ years).

In 2015, Egypt had one of the most polarised education distribution across MENA countries: although 53 % of population aged 25-44 had no education, 36 % had an upper or post-secondary education. In comparison with Iraq, Egypt is forecasted to reach a higher share of population with the

highest level of education (from 13 % in 2015 to 48 % in 2060) combined with the decline of share with the lowest level of education (from 53 % in 2015 to 3 % in 2060). The vast majority of population aged 25-44 years would attain an upper or post-educational level (98 %); the proportion would be also significant (75 %) in the older population (aged 65+). This clearly implies a fast transformation of the Egyptian society.

Morocco would experience slower educational change. This is most visible in 2060 when still 7 % of the Moroccans aged 15+ would not have received any formal education; the proportion of persons aged 25-44 with a post-secondary education would be 46 %; but only 16 % of Moroccans aged 65+ years would have a post-secondary education, reflecting the experience of the generation that has been (or has not been) through higher education in recent years.

6.5 Appendix**TABLE 6.A1:** Population growth (in percent) by scenario, 2015-2060 (Source: own calculations)

		Population growth from 2015 to 2060						
Sub-region	Country	Population 2015	CEPAM (SSP2) scenario				SSP1	SSP3
			Medium	Double Migration	Zero Migration	Migration Impacts*		
Middle East	Bahrain	1 371 857	65 %	102 %	22 %	-26 %	62 %	38 %
Middle East	Iran (Islamic Republic of)	79 356 855	27 %	29 %	25 %	-2 %	24 %	40 %
Middle East	Iraq	36 114 196	115 %	108 %	122 %	3 %	77 %	179 %
Middle East	Jordan	9 159 342	109 %	134 %	80 %	-14 %	84 %	109 %
Middle East	Kuwait	3 935 496	55 %	81 %	15 %	-26 %	51 %	32 %
Middle East	Lebanon	5 850 728	52 %	73 %	27 %	-17 %	46 %	49 %
Middle East	Oman	4 200 006	58 %	79 %	33 %	-15 %	53 %	52 %
Middle East	Qatar	2 481 407	85 %	151 %	7 %	-42 %	84 %	19 %
Middle East	Saudi Arabia	31 552 606	61 %	81 %	40 %	-13 %	47 %	77 %
Middle East	State of Palestine	4 662 244	87 %	61 %	120 %	18 %	59 %	163 %
Middle East	Syrian Arab Republic	18 735 366	34 %	8 %	68 %	25 %	16 %	99 %
Middle East	United Arab Emirates	9 155 748	69 %	136 %	-5 %	-44 %	69 %	5 %
Middle East	Yemen	26 916 310	119 %	114 %	124 %	2 %	72 %	162 %
North Africa	Algeria	39 873 354	39 %	32 %	46 %	5 %	34 %	69 %
North Africa	Egypt	93 789 995	62 %	57 %	66 %	3 %	54 %	80 %
North Africa	Libya	6 235 250	37 %	31 %	44 %	5 %	32 %	73 %
North Africa	Morocco	34 801 898	21 %	7 %	38 %	13 %	16 %	66 %
North Africa	Sudan	38 651 131	86 %	61 %	114 %	15 %	54 %	164 %
North Africa	Tunisia	11 274 096	15 %	11 %	19 %	3 %	12 %	36 %
North Africa	Western Sahara	526 226	112 %	183 %	38 %	-35 %	97 %	70 %
	Middle East sub-region	233 492 160	6 %	3 %	-3 %	-3 %	45 %	89 %
	North Africa sub-region	225 151 950	-2 %	-6 %	7 %	7 %	47 %	88 %
	MENA	458 644 110	58.90 %	56.58 %	38 %	2 %	42 %	89 %

* 2060 Zero Migration Pop/2060 Medium Pop

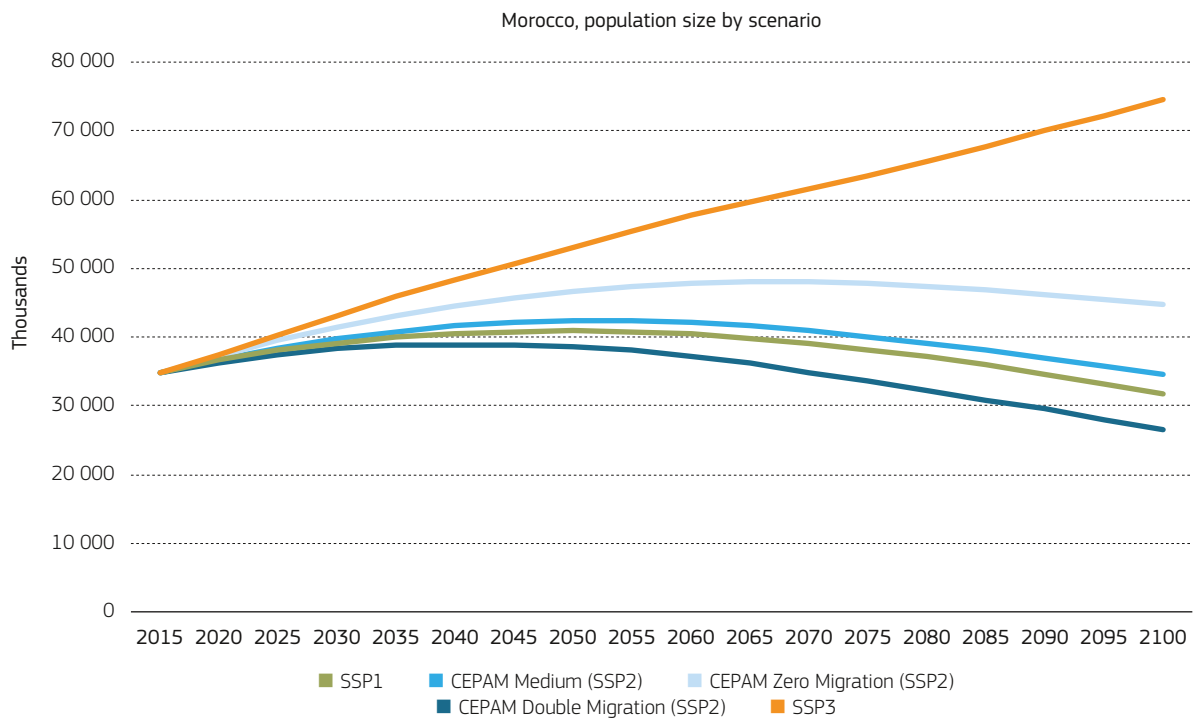
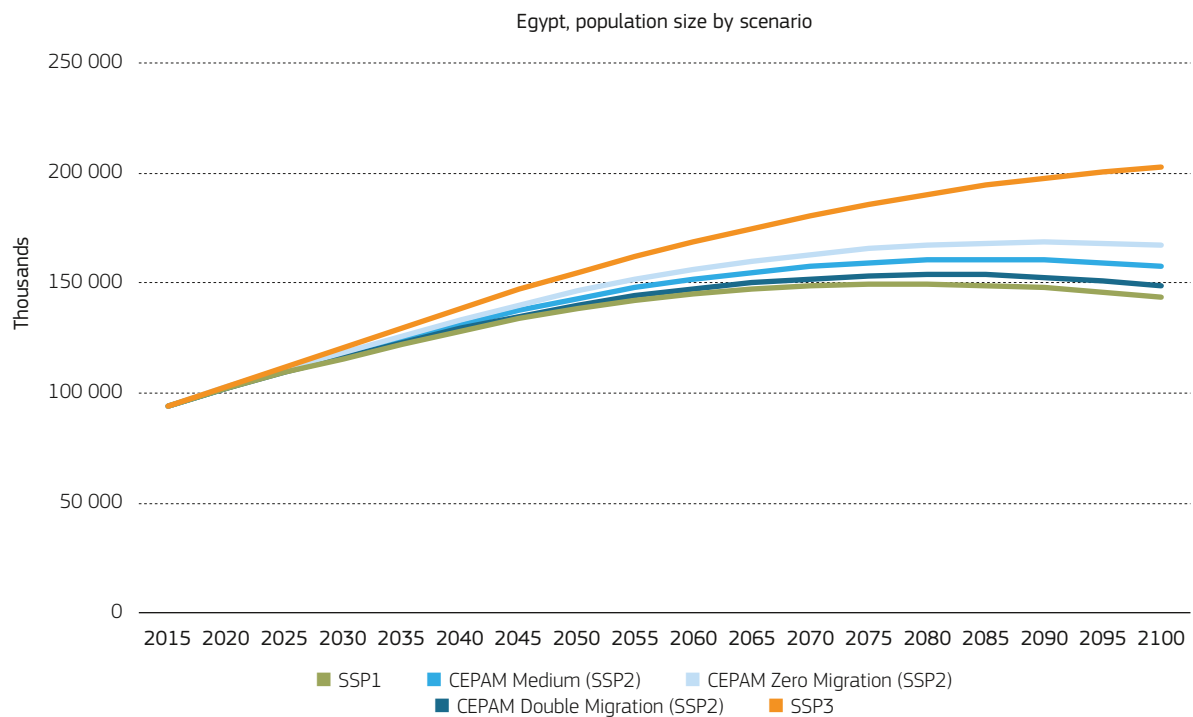
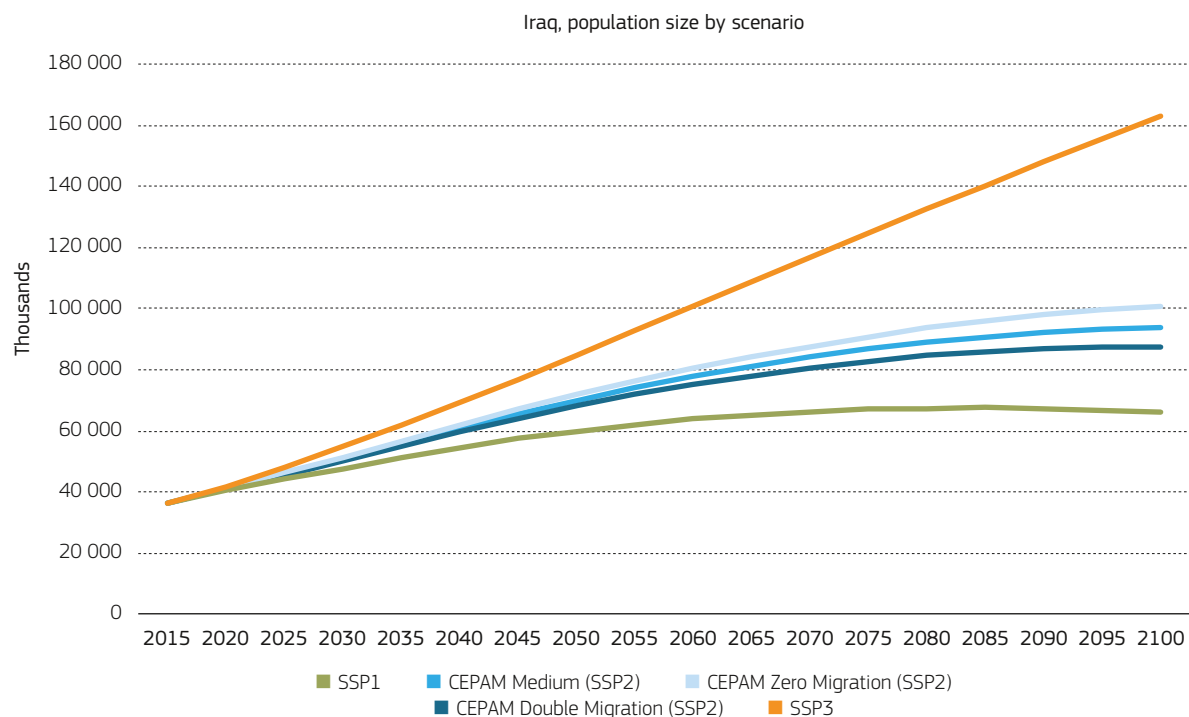
FIGURE 6.A1: Morocco, 2015-2100 (Source: own calculations)**FIGURE 6.A2:** Egypt, 2015-2100 (Source: own calculations)

FIGURE 6.A3: Iraq, 2015-2100 (Source: own calculations)**TABLE 6.A2:** Population growth (in percent) by scenario, 2015-2060 (Source: own calculations)

Country	Demographic Dividend in 2060 by scenario					SSP1	SSP3
	CEPAM (SSP2) scenario				Migration Impacts*		
	Medium	Double Migration	Zero Migration				
Algeria	48.60 %	48.04 %	49.15 %	0.55 %	48.64 %	46.37 %	
Bahrain	48.51 %	51.68 %	42.22 %	-6.28 %	47.14 %	42.22 %	
Egypt	52.35 %	52.07 %	52.62 %	0.27 %	52.93 %	50.12 %	
Iran (Islamic Republic of)	47.05 %	47.33 %	46.71 %	-0.34 %	45.86 %	45.53 %	
Iraq	51.54 %	51.30 %	51.77 %	0.23 %	55.92 %	45.71 %	
Jordan	53.21 %	53.55 %	52.54 %	-0.67 %	55.66 %	49.06 %	
Kuwait	49.54 %	51.21 %	44.76 %	-4.78 %	47.40 %	44.35 %	
Lebanon	51.67 %	52.53 %	49.96 %	-1.70 %	51.21 %	47.91 %	
Libya	49.66 %	49.34 %	50.01 %	0.35 %	49.37 %	46.44 %	
Morocco	49.83 %	48.42 %	51.14 %	1.31 %	49.48 %	47.40 %	
Oman	47.93 %	51.35 %	42.71 %	-5.23 %	47.04 %	42.14 %	
Qatar	47.00 %	52.21 %	32.06 %	-14.93 %	44.94 %	34.42 %	
Saudi Arabia	51.13 %	53.01 %	48.40 %	-2.73 %	51.87 %	43.94 %	
State of Palestine	50.78 %	49.77 %	51.88 %	1.10 %	54.57 %	46.84 %	
Sudan	49.90 %	49.14 %	50.62 %	0.73 %	54.90 %	44.10 %	
Syrian Arab Republic	53.13 %	52.26 %	54.07 %	0.94 %	56.29 %	49.01 %	
Tunisia	49.48 %	49.10 %	49.85 %	0.37 %	48.56 %	47.71 %	
United Arab Emirates	48.69 %	54.33 %	33.06 %	-15.63 %	46.41 %	35.75 %	
Western Sahara	54.97 %	56.45 %	51.82 %	-3.15 %	55.95 %	48.47 %	
Yemen	49.95 %	49.72 %	50.17 %	0.22 %	56.08 %	45.59 %	
Middle East sub-region	49.96 %	50.65 %	49.12 %	-0.84 %	51.43 %	45.54 %	
North Africa sub-region	50.76 %	50.26 %	51.26 %	0.51 %	51.89 %	47.51 %	
MENA	50.33 %	50.47 %	50.19 %	-0.15 %	51.65 %	46.51 %	

* Zero Migration - Medium

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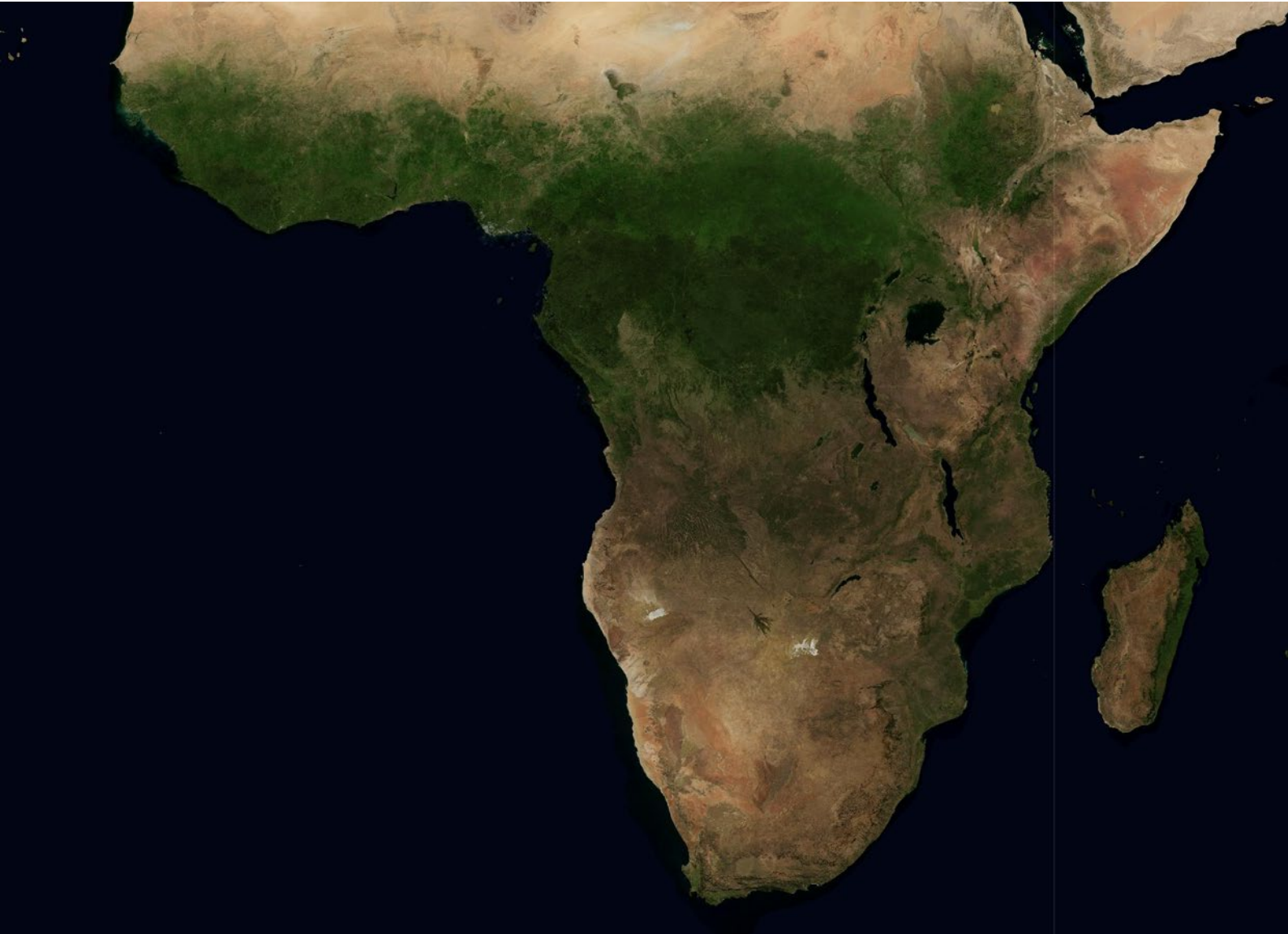
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CHAPTER 7

Future demographic trends in sub-Saharan Africa



7 Future demographic trends in sub-Saharan Africa

Erofili Grapsa and Daniela Ghio

7.1 Population size

In 2015, most population growth in the world was happening in two world regions: sub-Saharan Africa and Southern Asia. While most of the increase in Southern Asia derives from the momentum of the region having a large and young population but declining fertility rates, in sub-Saharan Africa the increase is fuelled by still substantial fertility rates. Therefore, it can be expected that population growth would continue on the sub-continent for some time. According to the CEPAM Medium (SSP2) scenario with medium migration (⁷), population in sub-Saharan Africa would more than double from around 970 million in 2015 to more than 2 billion in 2060. This would account for a large part of the overall increase in global population between now and 2060 as some regions would be shrinking such as Eastern Europe (see Chapter 5). Currently, sub-Saharan Africa's average annual rate of population change is 2.7 %, compared with 1.0 % worldwide (1.2 % in South Eastern Asia), while in Europe is almost zero. The strong increase can be explained by two main factors. First of all and against all expectations, mortality in Africa has been falling sharply, and it is particularly true for infant and child mortality (Jamison et al., 2006) which have both recorded a decline rate above 50 % between 1970-1975 and 2010-2015. As a result, life expectancy has increased by more than 20 years since 1950, from 36 to 57 years.

The second factor behind the important population growth is the fact that fertility has been slowing down very slightly. Women were having on average more than 6 children between 1950-1955 and 1990-1995. Fertility started declining faster after the latter period but it was still around 5.1 children in 2010-2015. The fact that the demographic transition to low fertility and mortality

levels has adopted a slow pace stems from several reasons having to do the persistence of low levels of socioeconomic development in mostly rural traditional societies (Bongaarts and Casterline, 2013). The pace of future declines will be an important determinant of population growth. Increase in the levels of educational attainment could play an important role, most notably through the impact it has on fertility and mortality (KC and Lutz, 2017). Assumptions (also described in Chapter 2) used in the projections mostly assume a decline that would result in lower population growth. Nevertheless, for countries with high fertility at present such as Niger (TFR in 2010-2015 of 7.4 children) or Somalia (6.6 children), the uncertainty of future fertility levels is more significant than for countries with low and medium fertility such as Cabo Verde (2.5 children in 2010-2015) or Botswana (2.9 children).

Several differences are observed in population size among the sub-regions (⁸) and are discussed in detail below. It is to be noted that the different migration scenarios that are in place in the reference scenario (CEPAM Medium (SSP2) scenario) do not affect the total population size, partly because many migration flows at present occur within sub-Saharan Africa, and within the sub-regions, but also because they are very small in comparison with the overall size of population, even when considering the scenario that doubles migration rates.

Differences in population size and growth by sub-region among the different scenarios are discussed below. In general, population would increase by 75 % in SSP1, 123 % in CEPAM Medium (SSP2) and 180 % in SSP3 for the whole sub-Saharan Africa between 2015 and 2060.

(⁷) Migration assumptions are described in Chapter 2.

(⁸) Sub-regions are determined according to UN definitions with the exception of Zimbabwe which is included in Southern Africa sub-region.

TABLE 7.1: Projected population size in sub-Saharan regions according to SSP1, CEPAM Medium (SSP2) and SSP3
(Source: own calculations)

Year	Eastern Africa	Middle Africa	Southern Africa	Western Africa	Total
2015	384	154	79	353	969
SSP1					
2030	507	206	92	463	1268
2045	612	249	100	563	1525
2060	682	276	102	638	1699
CEPAM Medium (SSP2)					
2030	555	223	94	501	1375
2045	731	293	104	666	1795
2060	882	348	110	821	2162
SSP3					
2030	601	238	98	537	1477
2045	861	334	114	772	2082
2060	1137	423	128	1032	2722

Eastern Africa was the most populated sub-region of sub-Saharan Africa in 2015 (see Table 7.1) with its 19 countries, of which Ethiopia had the largest population (more than 99 million) followed by Tanzania and Kenya with 53 and 47 million each. The sub-region had an average 5-year population growth of 14.2 % in 2010-2015 which would drop to 5.5 % in 2055-2060 according to CEPAM Medium (SSP2) scenario. Ethiopia would remain the most populated country with projected population of more than 200 million in 2060. As expected, the population of Eastern Africa would grow slowly in SSP1 and more rapidly in SSP3 scenario with the 5-year population growth in 2055-2060 ranging from 2.7 % (SSP1) to 8.6 % (SSP3).

Nine countries comprise the Middle Africa region, the most populated of which is the Democratic Republic of Congo with more than 70 million inhabitants in 2015 and a growth of 15.8 % in 2010-2015. According to CEPAM Medium (SSP2) scenario, the rate of growth would be lower than in Eastern and Western Africa but higher than in Southern Africa and would similarly decline over time. Variations among SSP scenarios are also observed with projected population growth of 2.4 % under SSP1 and 7.2 % under SSP3 in 2055-2060. According to CEPAM Medium (SSP2), the Democratic Republic of Congo and Angola would gain most and would have a population in 2060 of respectively 184 and 66 million.

Southern Africa is the region with the lowest population and the least number of countries (South Africa, Botswana, Lesotho, Namibia, Swaziland and Zimbabwe). While the region is the most advanced in sub-Saharan Africa in the demographic transition — most countries having a fertility rate below 3 children in 2010-2015 — it is also the most affected by the HIV/AIDS epidemic. Population size for this region is mostly determined by South Africa which is the country with the largest population (55 million inhabitants in 2015). A small increase in population size is observed for the region over time according to CEPAM Medium (SSP2) scenario (from approximately 80 million in 2015 to 110 million in 2060). Projected population growth in southern Africa is estimated at 8 % in 2010-2015 and would drop below 1 % in 2055-2060, the lowest of all other sub-regions according to the CEPAM Medium (SSP2) scenario.

Trends in population changes in Western Africa are dominated by Nigeria that had a population of more than 181 million in 2015 and would reach more than 400 million in 2060 according to the CEPAM Medium (SSP2) scenario. The other 15 countries of the region were contributing less than 10 % to the overall sub-regional total in 2015. The 5-year population growth was very high in 2010-2015 ranging from almost 19 % in Niger to 5.9 % in Cabo Verde, but would decline rapidly for most countries to reach an average of 3.3 % under SSP1, 6.3 % under CEPAM Medium (SSP2) and 9.2 % under SSP3 in

2055-2060. Niger, a country facing serious socioeconomic and environmental challenges would have the fastest increase in the 2015-2060 period according to CEPAM Medium (SSP2) scenario. This country is a transit country for many of the migration flows to Europe originating from sub-Saharan Africa, particularly from Burkina Faso, Ghana, Mali, Nigeria, and Senegal (Barrios, 2015).

In summary, according to the CEPAM Medium (SSP2) scenario the populations of 26 sub-Saharan African countries are projected to at least double in size by 2060. The fact that population growth is greatest in the poorest countries makes it harder for the governments of those countries to eradicate poverty, reduce inequality or expand and update education and health systems.

FIGURE 7.1: Projected population size in sub-Saharan regions (Source: own calculations)

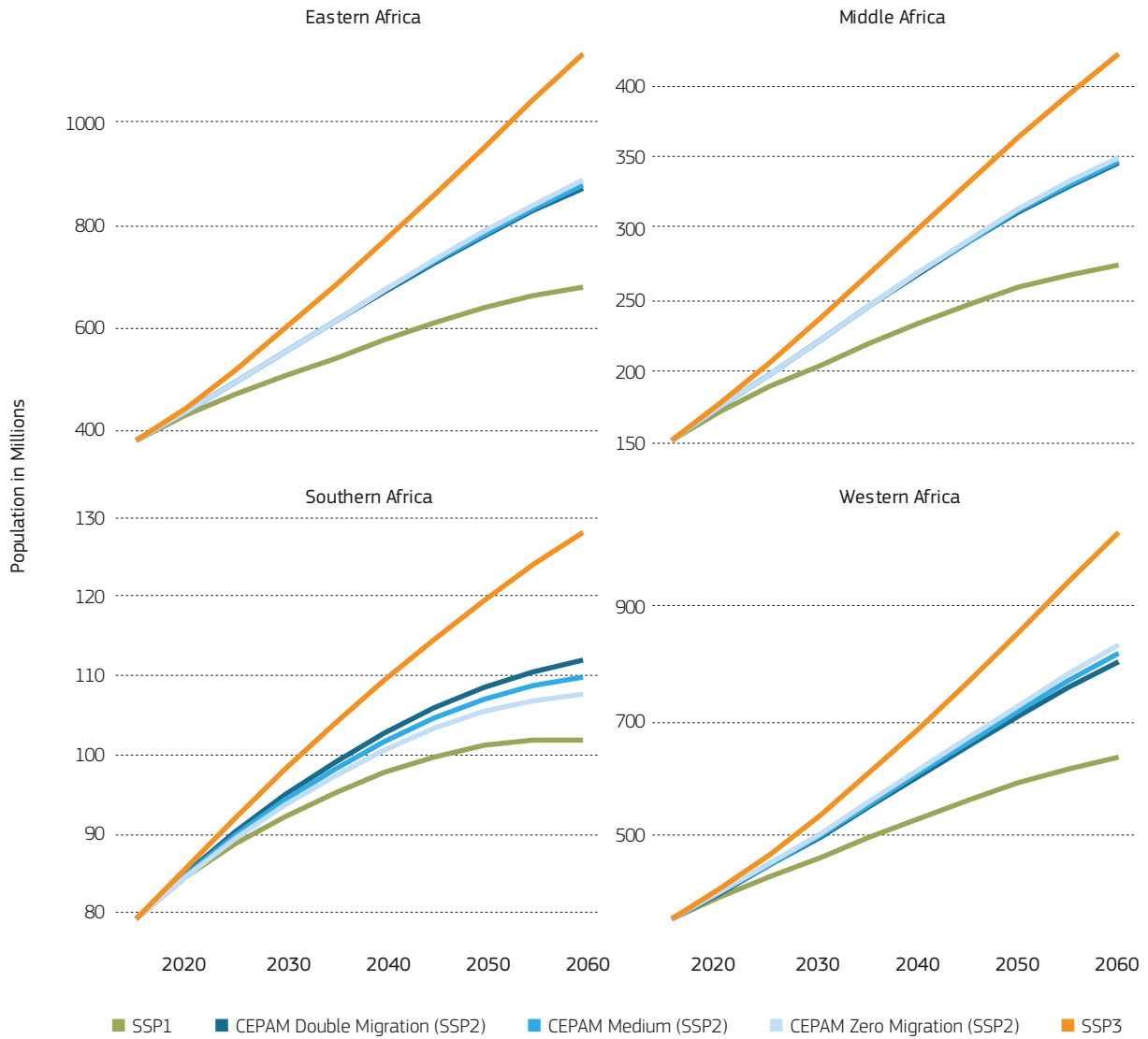
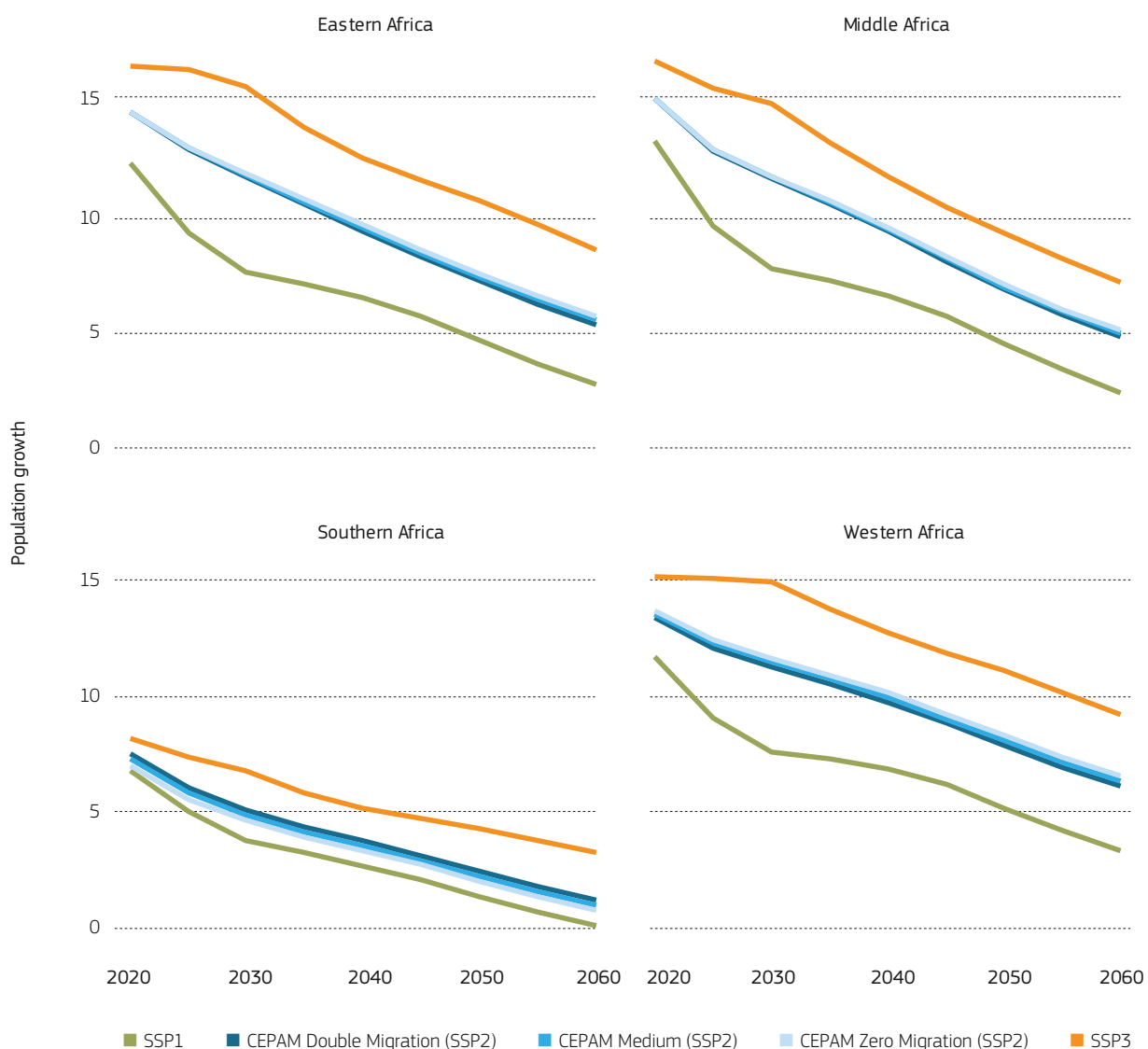


FIGURE 7.2: Projected 5-year population growth (in percent) in sub-Saharan regions (Source: own calculations)

7.2 Age structure

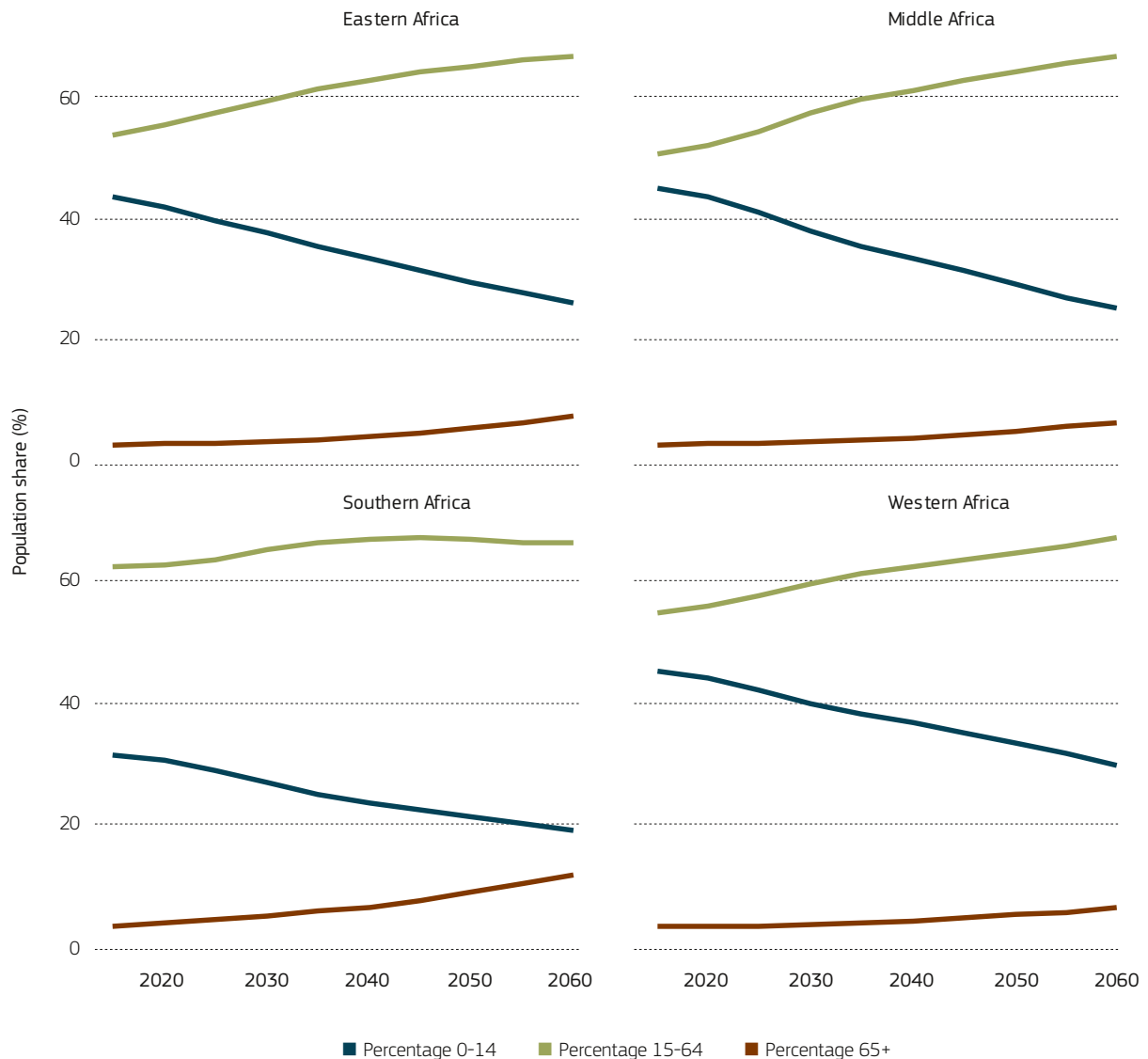
In this section the age structure is discussed as projected according to the CEPAM Medium (SSP2) scenario. Population in sub-Saharan Africa was very young in 2015 with people aged 0-14 years representing more than 43 % of the total population. This figure would drop to 27 % in 2060 as fertility is assumed to decline significantly in all sub-regions reaching replacement levels in Eastern and Middle Africa by 2060. As a consequence the population of 0-14 years old would decrease dramatically in all regions from 2015 to 2060: we observe a 40 % decrease in Eastern Africa, 44 % in Middle Africa, 38 % in Southern Africa and 34 % in Western Africa.

The working age population (15-64 years old) is projected to rise until 2060 in all sub-regions and the percent change in the share of this age group lies between 4.7 % (Southern Africa) and 31 % (Middle Africa) from 2015 to 2060. Most countries in sub-Saharan Africa would have relatively low ratios of dependent to working populations which means they would have the possibility of benefitting from a 'demographic dividend'. This is not automatic and requires more than the sheer relative high number of working age population as was shown by analysing the success of some countries in Latin America (Brazil) and in Asia (Thailand). The dividend requires prior investments in the health and education of youth, and the development of an environment susceptible to employ the more educated workforce (Gribble and Bremner, 2012). The percentage of the working age population is projected to continue to grow for many decades, from 54 % in 2015 to 66 % by 2060.

As fertility declines and life expectancy rises, the share of elderly in the population would rise as well. Population ageing would occur in all scenarios, similarly to what is happening throughout the world. The population aged 65 or above in sub-Saharan Africa is currently growing at a rate of about 6 % per 5-year period. Nevertheless, sub-Saharan Africa would be the least affected region by population ageing as the percentage of 65 and above population would increase from 3 % in 2015 to less

than 9 % in 2060, by far lower than the rest of the world (20 % in South-East Asia and 32 % in the EU). The highest share of 65 plus population by 2060 would be observed in South Africa (16 %) and it remains below 10 % for most countries in other sub-regions, e.g. 5 % in Nigeria and 7 % in Central African Republic. At the sub-regional level, the percent change from 2015 to 2060 ranges from 103.5 % in Western Africa to 191 % in Southern Africa.

FIGURE 7.3: Projected population group percentages (CEPAM Medium (SSP2) scenario) (Source: own calculations)



7.3 Educational attainment

The spread of mass education has been very slow across sub-Saharan Africa and although educational attainment would steadily increase over time for all sub-regions, it would still remain lower at the aggregate level than educational attainment in other continents according to CEPAM Medium (SSP2) scenario. In 2015, Southern Africa had the highest level of educational attainment across the population 15 years and over with 9.7 mean years of schooling that would increase to 12 years in 2060. In the remaining sub-regions people had on average 5 years of schooling in 2015: 4.7 years in Eastern Africa, 5.3 years in Middle Africa and 5 years in Western Africa; they would increase to 8.9, 9.5 and 9.7 years respectively by 2060. More specifically, the percentage of population 25+ years that has no education would drop from 14 % in 2015 to 7 % in 2060 in Eastern Africa, from 11 to 4 % in Middle Africa, from 4 to 1 % in Middle Africa and from 18 to 7 % in Western Africa. In addition, the percentage of those with post-secondary education would grow from 1 % in 2015 to 6 % in 2060 in Eastern Africa, from 2 % to 7 % in Middle Africa, from 4 % to 13 % in Southern Africa and from 3 % to 10 % in Western Africa. Those increases in shares entail an important rise in the number of youth who would go through the education system. For instance, the population aged 20-24 who would attain a post-secondary education would increase 2.5 times in Nigeria and 3 times in the Democratic

Republic of Congo between 2015 and 2060 (CEPAM Medium (SSP2) scenario), placing a great deal of stress on the higher education system (Goujon et al., 2017).

The educational progress over time is evident when looking at the population pyramids by sex, age group and educational attainment in 2015 and 2060 (Figures 7.4 and 7.5). In Eastern Africa, most people across all age groups had primary or lower education and few had obtained secondary or higher education in 2015. Nevertheless, the pyramid also shows that the youth have received more education compared to the elderly. About 9 % of the 25-44 had a secondary education or more in 2015 compared to 3 % of the 45+. This would increase further as a large share of people up to 45 years old would have achieved at least lower secondary education in 2060 (22 %). The educational improvement across age and time are visible throughout all sub-regions in sub-Saharan Africa. In Middle Africa, the gender gap in education, already prominent in 2015, would persist throughout the projection period. Southern Africa was the region with the most educated population already in 2015 and by 2060 a very small part of the population would remain with a primary education or less (4 %). Of the remaining sub-regions, Eastern Africa is projected to have the largest share of the population 25 years or older with primary or less education by 2060: 26 % versus 18 % in Western Africa and 17 % in Middle Africa.

FIGURE 7.4: Population pyramids by age, sex and education level in 2015 (CEPAM Medium (SSP2) scenario) (Source: own calculations)

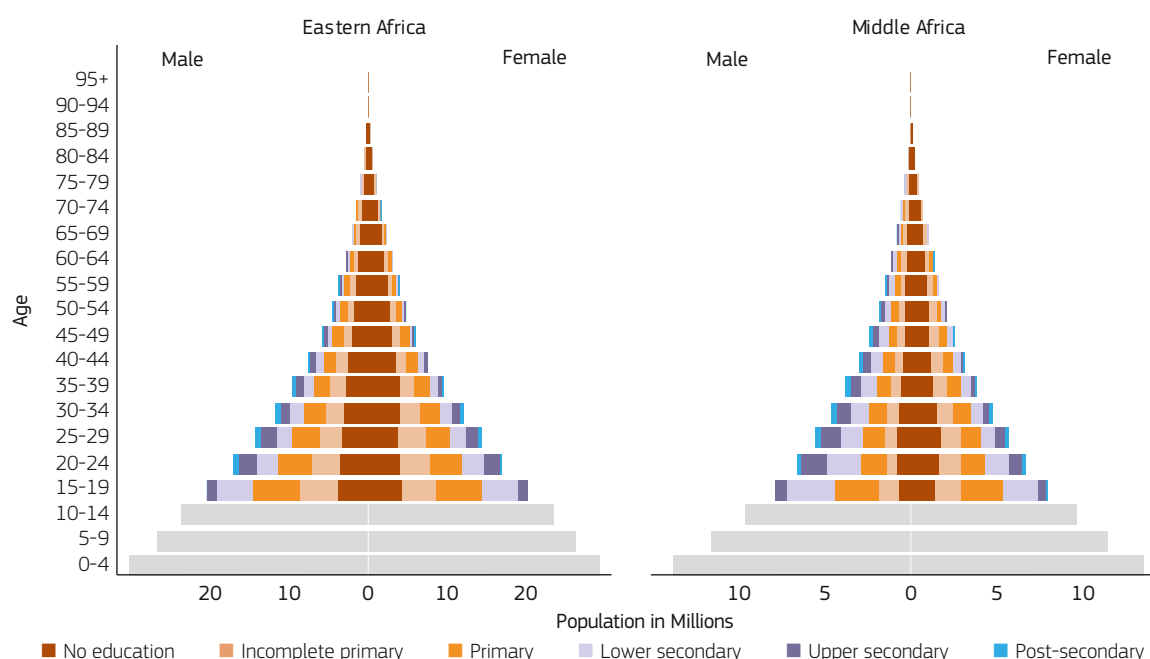
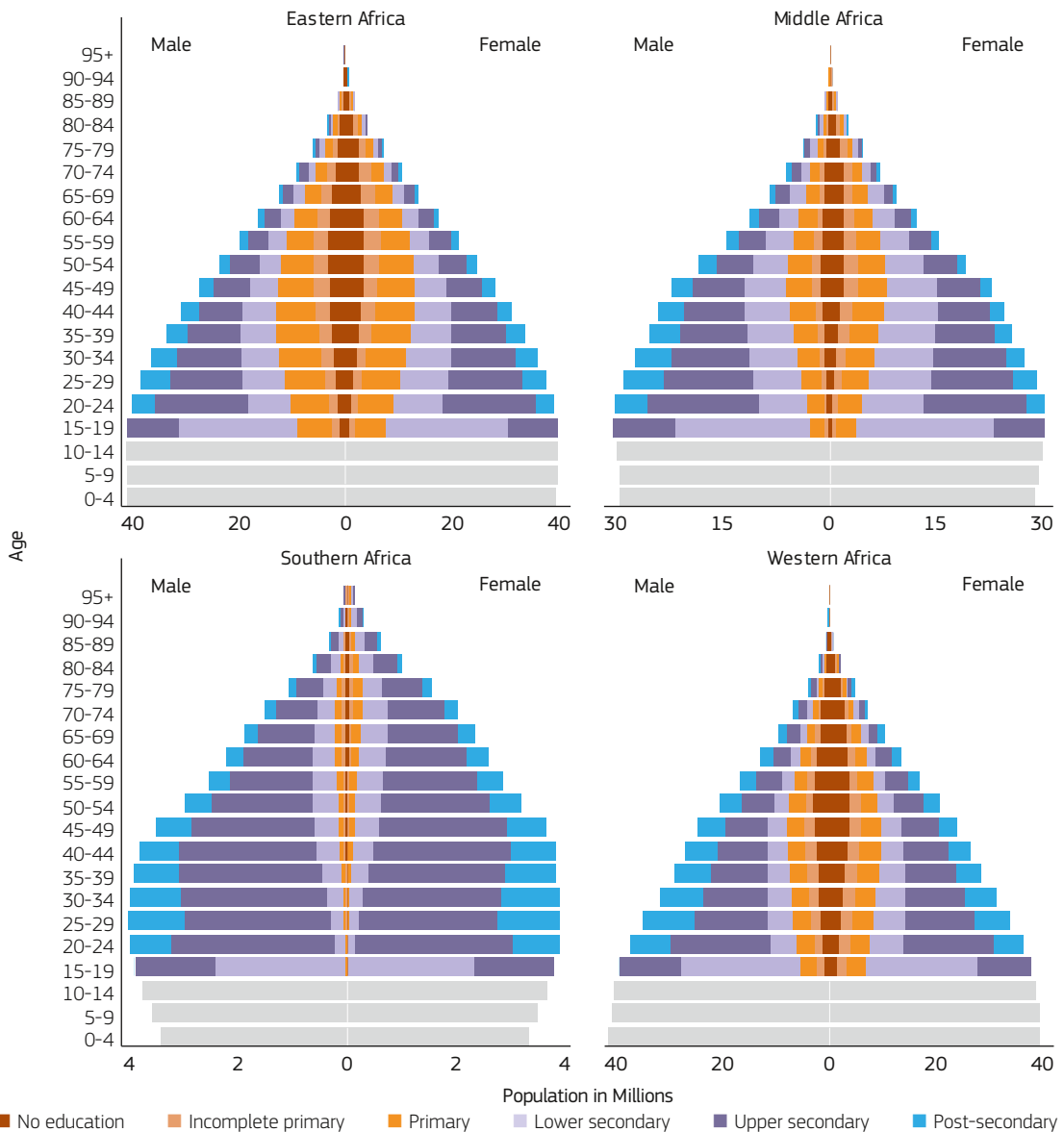


FIGURE 7.4: (Continued)



FIGURE 7.5: Population pyramids by age, sex and education level in 2060 (CEPAM Medium (SSP2) scenario) (Source: own calculations)



Differences in educational attainment by scenarios are also observed and are in line with the assumptions. Mean years of schooling would amount to 9.5 and 9.4 years on average for the whole region in 2060 according to SSP1 and SSP3 respectively. More strikingly, the percentage of population 25 years or older with post-secondary education in the region would lie between 24 and 32 for the four sub-regions according to SSP1 in 2060, while the same percentages would not rise above

5 % according to SSP3. In contrast, the share of the same population group with primary or less education is much lower under SSP1 scenario, no more than 6 % in 2060, whereas it would be around 18 % under SSP3 scenario. The resulting population size and population composition shown in the Appendix tables and graphs clearly demonstrate alternative opposite futures in sub-Saharan Africa.

Supporting references and web links

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CHAPTER 8

Future demographic trends in Asia



8 Future demographic trends in Asia

Michaela Potančoková

8.1 Population size

In 2015, six out of the ten most populous countries in the world were in Asia that was home to 4 billion people. China's population comprised 19 % of the world's population, followed by India with 18 %, and Indonesia, Pakistan, Bangladesh and Japan all in the top ten (Table 8.1). In total, 54 % of the world's population lived in the three regions of Asia presented in this report: 24 % in South Asia ⁽⁹⁾, 22 % in East Asia ⁽¹⁰⁾, and 9 % in the Association of Southeast Asian Nations (ASEAN) ⁽¹¹⁾.

Overall, the relative weight of Asia's population is projected to decrease to 47 % of the world (Table 8.1) due to rapid population growth in Africa and the inevitable population decline in low fertility East Asia (Figure 8.1). According to our CEPAM Medium (SSP2) scenario China's population would be 500 million smaller than India's by

2060 (1.7 billion versus 1.2 billion, Table 8.1), and 13 % smaller compared to its 2015 population (1.4 billion). Japan's population may decline to only 78 % of its 2015 size of 128 million to 101 million by 2060 (CEPAM Medium (SSP2) scenario) assuming the TFR increases to almost 1.5 children per woman (from 1.4 in 2010–2015) and net migration increases by half. Evidently, the pace of Japan's population decline strongly depends on future migration levels. In the absence of immigration, the population would drop below 100 million by 2060 (CEPAM Zero Migration (SSP2) scenario, see Appendix 2, pp. 393). The reluctance of Japan's government and society in general to abandon strict immigration policies and accept more immigrants from other cultures will result in rapid population ageing if birth rates stay unchanged, as discussed in the next section.

TABLE 8.1: World's most populous countries in 2015 and estimate in 2060 (CEPAM Medium (SSP2) scenario) (Source: own calculations)

	2015		2060		Change 2060-2015 (%)
	Population ('000)	% of world population	Population ('000)	% of world population	
<i>WORLD</i>	7 381 885		<i>WORLD</i>	9 694 600	31
1 China	1 396 700	18.9	India	1 709 439	31
2 India	1 309 276	17.7	China	1 208 511	-13
3 United States	319 918	4.3	Nigeria	438 433	142
4 Indonesia	258 151	3.5	United States	410 219	28
5 Brazil	205 980	2.8	Pakistan	329 721	74
6 Pakistan	189 381	2.6	Indonesia	305 888	18
7 Nigeria	181 182	2.5	Brazil	233 944	14
8 Bangladesh	161 200	2.2	Ethiopia	205 232	106
9 Russian Federation	143 912	1.9	Bangladesh	202 776	26
10 Japan	127 982	1.7	Congo DR	184 425	142
ASIA	4 009 385	54.3	ASIA	4 566 530	14

Note: The numbers for Asia exclude Western Asia (Middle East, included in Chapter 6) and Central Asia (see Chapter 5) and include only the three regions covered in this chapter.

⁽⁹⁾ South Asia: Afghanistan, Bangladesh, Bhutan, India, Maldives, Nepal, Pakistan, Sri Lanka.

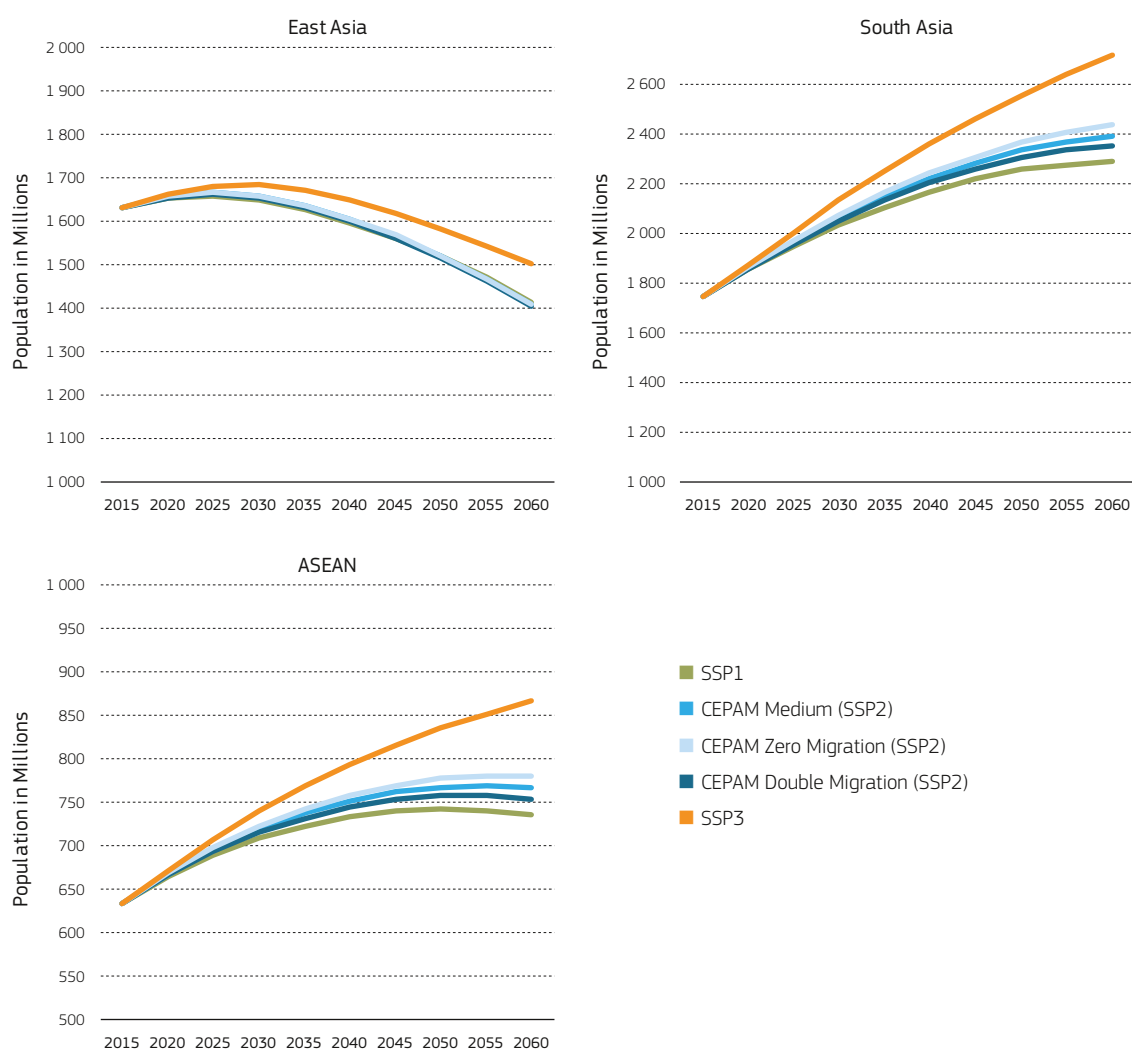
⁽¹⁰⁾ Low fertility East Asia: China, Hong Kong, Japan, Macao, North Korea, South Korea, Taiwan.

⁽¹¹⁾ ASEAN: Brunei, Cambodia, Indonesia, Laos, Malaysia, Myanmar, Philippines, Singapore, Thailand, Vietnam.

While East Asia's population would peak already around 2025, South Asia — a region that includes three out of the ten most populous nations in the world — is expected to peak only around 2065 according to the CEPAM Medium (SSP2) scenario. Thus, India's population would be 31 % larger in 2060 than in 2015 (peaking in 2065 at about 1.71 billion) and Pakistan would have 74 % more people (peaking only around 2090 at 353 million). As a result, the region would be home to

2.4 billion people in 2060. Should fertility rates remain high (SSP3 scenario), South Asia's populations would continue to grow throughout the 21st century at a rapid pace (Figure 8.1). Although most countries are sending large numbers of emigrants to North America, the EU as well as to the Gulf countries, the size of this flow does not significantly alter the population growth, even in the case of the CEPAM Double Migration (SSP2) scenario.

FIGURE 8.1: Changes in population size in Asian regions according to alternative scenarios, 2015-2060 (Source: own calculations)



In most scenarios ASEAN's population continues to increase, but growth slows down in the second half of the century, with population peaking around year 2055 at about 760 million. Compared to its 2015 population, ASEAN would gain between 101 million people (16 % growth in SSP1) and 232 million (37 %, SSP3) by 2060 (120 million, i.e. 21 % in CEPAM Medium (SSP2) scenario). ASEAN's countries are rather diverse in terms of their demographic trends and population compositions, and in accordance, the following examples reflect the spectrum of the future population trajectories across the region.

In the CEPAM Medium (SSP2) scenario, all ASEAN countries, with the exception of Thailand, are expected to gain population. Thailand's population would be 8 % smaller in 2060 compared to 2015 due to low fertility — already at 1.5 children per woman in 2015. In Malaysia, where fertility only recently decreased below 2 children per woman, the population would still increase by half due to population momentum⁽¹²⁾ and projected net

⁽¹²⁾ Large cohorts of women that are in reproductive age now and in the near future would give birth to sizeable cohorts of children in the coming years in spite of the fact that these women would have on average fewer children than their mothers had.

migration gains: up from 30 million in 2015 to 46 million in 2060 in SSP2 the CEPAM Medium (SSP2) scenario, with immigration contributing 4 million to that number (see Appendix 2, pp. 424). Cambodia and the Philippines would grow at a similar rate as Malaysia in the medium scenario, attributable to both relatively high fertility rates (TFR in the Philippines is assumed to drop below replacement level only by 2040-2045 in the CEPAM Medium (SSP2) scenario) and population momentum. In contrast to Malaysia, the Philippines is a major sending country of migrants and continued emigration would slow down the country's population growth: 151 million in 2060 according to the CEPAM Medium (SSP2) scenario, compared to 159 million in the absence of migration, coming from the 102 million of 2015. Indonesia, the region's most populous country and world's fourth largest nation in 2015, would gain 47 million between 2015 and 2060, and would number 306 million inhabitants by 2060 according to the CEPAM Medium (SSP2) scenario (19 % growth). However, compared to the year 2015, Indonesia's population could be as much as 30 % higher by 2060 (338 million) should fertility rates remain above 2 children per woman and progress in education stall as imagined in the SSP3 scenario.

Fertility decline is well under way in ASEAN countries, which are generally better educated compared to South Asian populations. Many have had successful family planning campaigns and have promoted two-child families in the past⁽¹³⁾. The total fertility rate was below replacement level in five out of ten countries in 2015 (Brunei, Malaysia, Singapore, Vietnam and Thailand), with Thailand and Singapore⁽¹⁴⁾ having as low fertility rates as the low fertility European societies. In contrast, Laos and Philippines had TFR of nearly 3 children per woman in 2015. Philippines is an interesting case as fertility rates remain relatively high while women's education has improved greatly in the past decades and it is among the more educated societies in ASEAN. Of women in prime reproductive age (20-39) 75 % had at least completed upper secondary education in 2015, with the TFR ranging from 3.8 children for women with no education to 3.3 children for women with completed secondary education (PSA and ICF, 2014). More educated women generally have fewer children than those with less education, however, country specificities can result in exceptions when comparing across the countries. To give

an example, TFR of secondary educated women in the Philippines was as high as the TFR of women with no education in Cambodia (National Institute of Statistics et al., 2015), which is ASEAN's least educated society, but not the highest in fertility by far (TFR in Cambodia in 2014 DHS was 2.7 compared to 3.0 in Philippines in DHS 2013). Women with no education in the Philippines had on average 0.5 children more than their peers in Cambodia.

We assume continued fertility decline (and narrowing educational differentials as TFR decreases) in all countries under SSP2 and SSP1 scenario, and above replacement fertility in SSP3. In the SSP2 scenario the TFR in the countries with higher fertility is assumed to fall below replacement level: in Indonesia and Bangladesh by 2020, in India and Cambodia by 2030, in Laos and Philippines by 2045, and in Pakistan by 2055. The exceptions in the SSP2 are Thailand and Singapore where fertility is very low and we do not assume any further decline (see Appendix 2, pp. 518 and 548 for the actual values).

Considering previous migration rates observed from 1960-2015, only three ASEAN countries are projected to have net migration gains: Malaysia, Singapore and Thailand. However, with declining fertility and improving socioeconomic conditions in sending countries within the region (Myanmar, Cambodia, and Laos) the source of labour migrants from these countries may become limited in the future.

Improvements in life expectancy will continue in all countries. Based on our assumptions in the CEPAM Medium (SSP2) scenario, Japan would remain the world's leader in life expectancy at birth for women, with 90.1 years in 2015-2020 and 98.7 by 2055-2060. Among men, Singapore and Hong-Kong would lead the rankings in 2015-2020 with 84.0 years and by 2055-2060 these values would exceed 92 years for Hong-Kong and Japan. Afghanistan is projected to have the shortest life expectancy at birth for both men (65.7 years in 2015-2020 to 70.8 in 2055-2060) and women (68.4 in 2015-2020 and 73.78 in 2055-2060). These life expectancy gains would also be the smallest, with slightly above 5 years over the coming 40 years. The average gain in all other Asian countries is about 8.2 years for both men and women during the same period. The respective values for other countries are available in the country Appendix 2.

⁽¹³⁾ To give two examples, Indonesia (TFR of 2.5 in 2010-2015) is promoting a two-child policy while Vietnam's government has recently altered its 'at most two children per couple' campaign to 'two children per every couple' (the TFR stood at 2 children per woman in 2010-2015).

⁽¹⁴⁾ In contrast to family planning programmes aimed at lower fertility, Singapore is promoting several pro-family measures in order to lift the country's extremely low fertility (TFR remains at one of the world's lowest levels since 2002).

BOX 8.1

Changes in sex composition: skewed sex ratio and the missing girls in China and India

One of the burning problems in several Asian countries is the skewed sex ratio and the large surplus of young men. Normal sex ratio at birth in human populations ranges between 104 and 106 male births for 100 female ones. Deeply rooted cultural preferences for sons in patriarchal societies, the importance to continue the family line, men's higher earning power and in the case of India dowry expenses (Hesketh et al., 2011), have caused severe masculinisation in several East and South Asian societies. It was achieved mostly through the use of selective abortion, neglect of young girls leading to their premature mortality as well as female infanticide in poorer settings (Jha et al., 2011; Sahni et al., 2008; Zhu et al., 2009). This imbalance could have broader societal consequences in terms of crime and antisocial behaviour (Hudson and Den Boer, 2004), a marriage squeeze, expansion of the sex industry and trafficking of women (Tucker et al., 2005) in the coming decades, as the most affected cohorts enter adulthood. In 2015, the sex ratio among children 0-14 years was 115 in China, 111 in India, 109 in Taiwan, and 108 in Pakistan, Vietnam and South Korea. In South Korea, the preference for sons is slowly receding and the sex ratios have dropped to 107 boys per 100 girls for children below age 10 in 2015. The squeeze is the most pronounced for the 20-29 year olds with a sex ratio of 113. In India and China, even small distortions in the sex ratio result in large numbers of missing girls (Table 8.2). Looking at the age group 15-34, an estimated 5.4 million women were missing in China in 2015, and nearly 7.4 million in India. This number

is estimated to increase to over 12.1 million in India and 13.1 million in China by 2030 in the CEPAM Medium (SSP2) scenario, as cohorts with the most skewed sex ratios (born in 1996-2015) enter prime reproductive ages. Although China's sex ratio is more skewed than India's, particularly for children 0-14 in 2015, due to smaller cohorts sizes of children in China, the size of the missing girls population among 0-14 year olds is similar: estimated at 10.8 girls missing in China in 2015 and 9.1 million in India.

Under the CEPAM Medium (SSP2) scenario, the sex ratios would start normalising after 2015, however, at a relatively slow pace⁽¹⁵⁾ (Table 8.2). For 2030, the sex ratio among children 0-14 is estimated at 114 resulting in about 7.1 million missing girls in China, and at 6.8 million (sex ratio 110) in India. Abnormal sex ratios as well as the actual and coming marriage squeeze do not benefit men, but may lead to upward social mobility for women and in some aspects improve the standing of women in these societies. Furthermore, the imbalance would have consequences not only for the respective countries, but also across the region and may potentially lead to changes in migration patterns due to the pressure for (foreign) brides. These differences have strong regional variation, with rural areas and some states and provinces more impacted than others. This serious societal problem needs to be tackled with the implementation of policies to secure basic women's rights across the region (see more on the topic and the consequences in UNFPA, 2012).

TABLE 8.2: Sex ratio and the estimated size of missing girls in China and India in 2015 and an estimate for 2030 (CEPAM Medium (SSP2) scenario) (Source: own calculations)

Age group	China				India			
	2015		2030 (CEPAM Medium)		2015		2030 (CEPAM Medium)	
	sex ratio	missing girls (millions)	sex ratio	missing girls (millions)	sex ratio	missing girls (millions)	sex ratio	missing girls (millions)
0-4	116	3.7	113	1.8	111	2.8	110	1.9
5-9	117	3.8	114	2.4	112	3.1	110	2.3
10-14	116	3.3	115	2.9	112	3.2	111	2.6
15-19	113	2.6	116	3.6	111	2.9	111	2.8
20-24	111	2.3	117	3.8	111	2.4	112	3.1
25-29	107	0.6	115	3.3	108	1.3	112	3.3
30-34	106	-0.2	113	2.5	108	0.8	111	2.9
0-14	116	10.8	114	7.1	111	9.1	110	6.8
15-34	109	5.4	115	13.1	110	7.4	112	12.1

NB: The size of the missing girls' population was estimated using the benchmark sex ratio of 106 in each age group over the size of male population. No correction for mortality or the impact of international migration has been taken into account. This may result in underestimate of the expected female population.

⁽¹⁵⁾ The assumptions on the sex ratio normalisation are following those of the UN (WPP 2017).

8.2 Changes in the age structure: population ageing and the demographic dividend

East Asian countries are already advanced in the process of population ageing with half the population older than 33 years in comparison to the global average median of 30 years in 2015. Japan had the world's highest share of population aged 65 or more years (26 %) in 2015, that was 7 % higher than the EU average. In contrast, South Asia and ASEAN maintain youthful age structures with a high share of children and young adults, and only about 5-6 % of elderly on average (Table 8.3). The youngest

country in Asia in 2015 was Afghanistan with a median age of only 12 years (13th youngest population globally), followed by Pakistan (18 years).

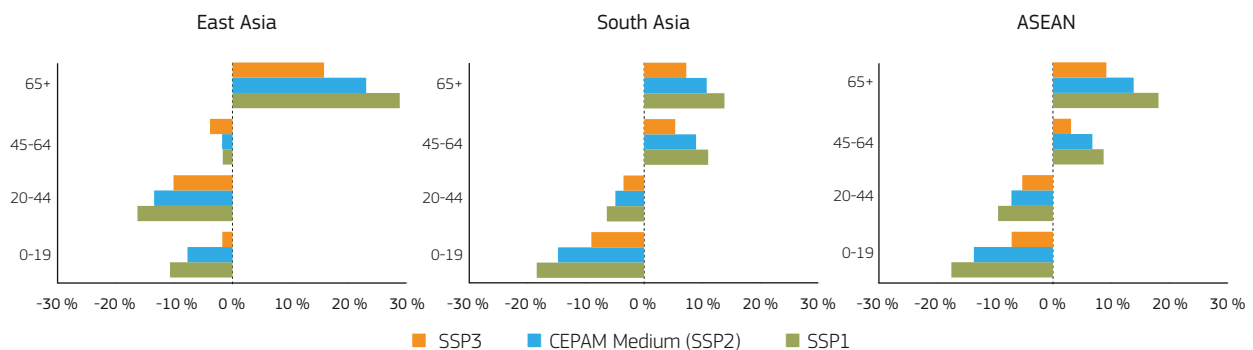
Population ageing will continue, with its pace depending on future changes in fertility and advances in life span. East Asia will age particularly fast if fertility rates fall lower, life expectancy continues to increase and immigration remains low (SSP1 scenario, median age 52 years, 40 % elderly in 2060, Table 8.3, see also Figure 8.5). According to the main scenario, the share of elderly in the region would triple to 34 % by 2060 and the median age would reach 48 years. Japan would remain the world's most aged society.

TABLE 8.3: Population age structure and ageing indicators in Asian regions in 2015 and in 2060 by projection scenarios (Source: own calculations)

Region	Year	Scenario	0-19	20-44	45-64	65+	Dependency ratio*	Median age
East Asia	2015		23 %	38 %	28 %	11 %	39 %	32.8
	2060	SSP1	12 %	22 %	26 %	40 %	95 %	52.0
	2060	CEPAM Medium (SSP2)	15 %	25 %	26 %	34 %	82 %	47.5
	2060	SSP3	21 %	28 %	24 %	27 %	75 %	40.6
South Asia	2015		39 %	39 %	17 %	5 %	54 %	21.0
	2060	SSP1	21 %	32 %	28 %	19 %	52 %	37.6
	2060	CEPAM Medium (SSP2)	24 %	34 %	26 %	16 %	52 %	33.9
	2060	SSP3	30 %	35 %	22 %	13 %	55 %	28.8
ASEAN	2015		35 %	39 %	20 %	6 %	48 %	23.7
	2060	SSP1	18 %	30 %	28 %	24 %	59 %	41.4
	2060	CEPAM Medium (SSP2)	22 %	32 %	26 %	20 %	56 %	37.0
	2060	SSP3	28 %	34 %	23 %	15 %	57 %	31.1

*Overall dependency ratio: (Pop 0-14 + Pop 65+ / Pop 15-64).

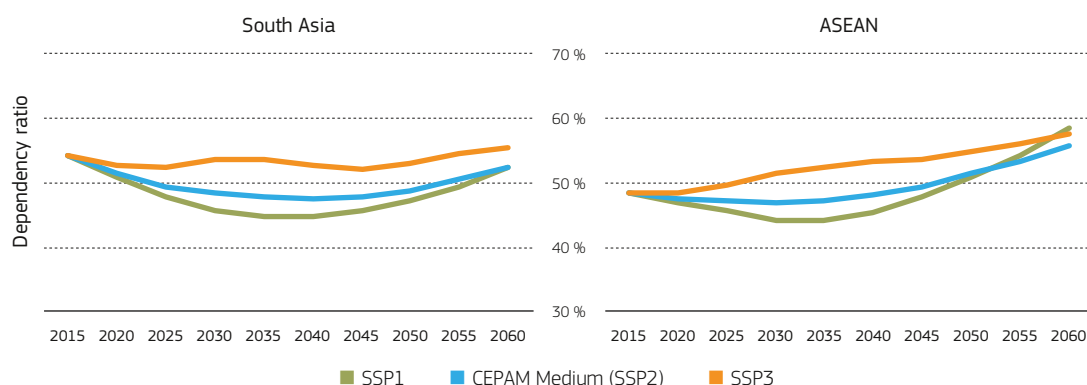
FIGURE 8.2: Change in the share of the main age groups between 2015 and 2060, by region and scenario (Source: own calculations)



ASEAN countries are rather diverse when it comes to their age structures, ranging from fast ageing Singapore with already 12 % of elderly in 2015 (median age 35 years in 2015, up to 47 years by 2060 in the CEPAM Medium (SSP2) scenario), to ‘youngish’ Cambodia and Philippines with only about 4-5 % of elderly in 2015, but a sizeable share of children 0-19 (42 % in 2015). Due to a fast decline in fertility rates Thailand quickly follows the trajectory of East Asia’s ageing populations, as 11 % of population 65+ in 2015 would increase to 28 % in 2060 in CEPAM Medium (SSP2) scenario (slightly more than for Japan in 2015), but potentially as high as 33 % as shown in SSP1. However, in the CEPAM Medium (SSP2) scenario Vietnam experiences the most rapid population ageing as the share of elderly rises from 7 % in 2015 to 30 % in 2060 (and the median age goes

from 25 years in 2015 to 43 years in 2060). Indonesia, the region’s most populous country is expected to reach below-replacement fertility by 2020 (in CEPAM Medium (SSP2) and SSP1 scenarios). The share of children is projected to decline (down from 37 % to 21 % in CEPAM Medium (SSP2) scenario) and the bulk of population moves into the economically active age range (58 % in 2015 goes up to 61 % in 2060), making Indonesia fit to seize the demographic dividend — also due in part to its achievements in education (see the next section). Depending on the scenario, ASEAN’s age composition in 2060 would range from a slightly progressive structure with still a sizeable share of children and young adults (SSP3) to an aged regressive structure in SSP1 scenario (Figure 8.6 in the next section).

FIGURE 8.3: Dependency ratio in South Asia and ASEAN, 2015-2060 (Source: own calculations)



*Overall dependency ratio: (Pop 0-14 + Pop 65+ / Pop 15-64)

South Asia will also be ageing, reflected by the CEPAM Medium (SSP2) scenario the region’s median age by 2060 would be similar to the that of East Asia in 2015 (Table 8.3), and the share of elderly would range from between 13 % and 19 % depending on the scenario. A bulk of the population would be at economically active ages (60 % in the age group 20-64 by 2060, according to the CEPAM Medium (SSP2) scenario). In both the CEPAM Medium (SSP2) scenario and SSP1 the dependency ratio would continue to decline at least for the next 20-25 years (Figure 8.3), which opens the potential for economic growth and societal development due to this demographic dividend of growing proportion of the population that can be economically-active. Changes in population age structure through fewer births

reduce the burden on families and open opportunities for investments in education (at micro and macro level), healthcare, new labour market policies (Bloom et al., 2003) and reforms of the support for the elderly (Mason and Lee, 2006). However, should fertility decline at a slower pace and remain above the replacement levels, the dependency ratios would increase due to the growing share of children (SSP3, Figure 8.3). Furthermore, in order to reap the benefits of the demographic dividend, South Asian societies in particular must further invest in education (Crespo Cuaresma et al., 2014). At the moment, most South Asian countries, including India, are falling behind ASEAN nations in terms of educational improvements, as detailed in the following section.

8.3 Educational composition

Educational attainment differs greatly across the three regions and between countries, ranging from the forerunner country in educational expansion Japan (with on average 13 years of schooling among the population 25+ in 2015) to Afghanistan. As the least educated society in Asia, Afghanistan ranked 13th from the bottom globally with a mere 2.5 years of schooling in 2015. Cross-country comparisons presented below should be taken with some caution as not only the quantity, but also the quality, of education varies widely between the countries. South Korea and Singapore score top in the PISA testing that measure skills among the students aged about 14 years. The basic quantitative indicators analysed in this report are for the purpose of reflecting the main differences across regions. Although, inequality of access to quality education remains across and within countries, particularly for the poorest and those living in the remote rural regions.

8.3.1 South Asia

South Asia is Asia's least educated corner with its population 25+ having only on average 5.8 years of schooling in 2015, which places it just above the average for the sub-Saharan Africa (5.3 years) and substantially below the global average (7.9 years). Within the region, Afghanistan stands out, followed by Bhutan, Pakistan and Nepal with less than 4-4.5 years of schooling, while Sri Lanka was the most educated country in the region with 9.9 years in 2015 (and 36 % population 25+ with at least completed upper secondary education). The average over the whole adult population, however, conceals important improvements that took place in the past decades. These are captured in the differentiated educational compositions of the age groups, as presented in the population pyramid in 2015 for the whole region (see Figure 8.4 at the next page). At the country level, educational attainment of Indian women has improved greatly across younger cohorts, although the country significantly lags behind in achieving universal primary education for boys and girls: 63 % of women 25-39 had completed at least primary education (35 % at least upper secondary), compared to 39 % with at least completed primary at age 40-64. Among men, 77 % had

at least completed primary at age 25-39 (45 % at least upper secondary) compared to only 51 % at age 40-64. In contrast to India, Sri Lanka managed to achieve a 93 % completion of primary schooling among 25-39 year olds (80 % among 40-64 year olds) and 33 % of women compared to 25 % of men had post-secondary education, making it the only country in the region with a reversed gender gap. Among the countries with the lowest educational levels, Pakistan made some progress, yet only 53 % of 25-39 year olds had completed primary (35 % among 40-64 year olds) and women remain heavily disadvantaged compared to men. Very small progress over time occurred in Afghanistan, where only 50 % of men 25-39 had completed at least primary (30 % for age 40-64) compared to only 18 % of women 25-39 (7 % for 40-64).

By 2060, the MYS (mean years of schooling) would increase to 6.3 in South Asia in case of slow development (SSP3) up to 12.5 years in case of fast educational expansion (SSP1). Even though we are projecting a narrowing gender gap, gender disparities will still exist in 2060 and in our CEPAM Medium (SSP2) scenario 64 % of men and 59 % of women 25+ would have achieved upper secondary or higher education in 2060, but still 13 % of women would have no education (8 % men), an artefact of lower education among the old cohorts that were already born by 2015. Educational improvements are projected for younger age groups, so much so that in 2060 all countries in the region except Afghanistan would achieve universal primary education among 25-39 year olds. In the case of swift and successful achievement of the MDGs, as projected in SSP1 scenario, the three regions' population age structure would stabilise, virtually everyone by age 45 would have completed at least upper secondary education and gender disparities would have diminished. In contrast, SSP3 scenario leads to high population growth with insufficient expansion of the education system, and thus, a large share of the population is left uneducated.

Under the medium scenario 40 % of 25-39 year olds in India and 59 % in Sri Lanka have post-secondary education in 2060, compared to only 27 % in Pakistan (17 % with primary or lower education) and 16 % in Afghanistan (23 % still with no formal education and 19 % with some primary).

FIGURE 8.4: Population composition of South Asia by age, sex and educational attainment, 2015 and 2060 by scenarios (Source: own calculations)

8.3.2 East Asia

In contrast to South Asia, East Asia's population has been on a fast-track in educational expansion. Japan had some of the world's best educated population already in the mid-20th century and South Korea is a country that experienced some of the fastest educational, demographic and societal transformations over the past 60 years. On average, the region's MYS for population 25+ stood at 8.5 years in 2015, but this average reflects the overwhelming weight of China's 7.9 years (11 % post-secondary educated), while Japan's population averaged 13.0 years (38 % post-secondary educated) and South Korea's 11.9 years (40 % post-secondary educated). South Korea's educational composition shows strong imbalance between the young and old, which reflects a rapid educational expansion: 16 % among 65+ had no education (6 % among men, 24 % among women) and only 10 % post-secondary (17 % among men and 4 % among women), as opposed to 67 % post-secondary educated among 25-39 year olds in 2015. In China, the inter-generational differences are not as pronounced, but also show significant improvements

among the younger age groups: 21 % at ages 25-39 had post-secondary education in 2015 (men and women on par), compared to 7.2 % among 40-64 year olds among whom (30 % had at most primary schooling). Women of older cohorts were less educated than men in all countries in 2015, but a rapid change in women's education has left younger men slightly behind: in South Korea 69 % of 25-39 year old women and 66 % among men had post-secondary education, with even more pronounced gap in Japan (63 % of women 25-39 and 56 % of men).

By 2060, East Asia's MYS would increase to 11.7 years (China's projected value) in the CEPAM Medium (SSP2) scenario (10.2 in SSP3 and 12.0 years in SSP1), with all other countries except China averaging above 12 years, which reflects the fact that virtually everyone would have graduated with at least an upper secondary diploma. For China, the medium scenario suggests that more women (63 % among 25-39 year olds) would have post-secondary education in 2060 compared to men (53 % for the same age group, SSP2) and everyone would complete primary school.

FIGURE 8.5: Population composition of East Asia by age, sex and educational attainment, 2015 and 2060 by scenarios (Source: own calculations)

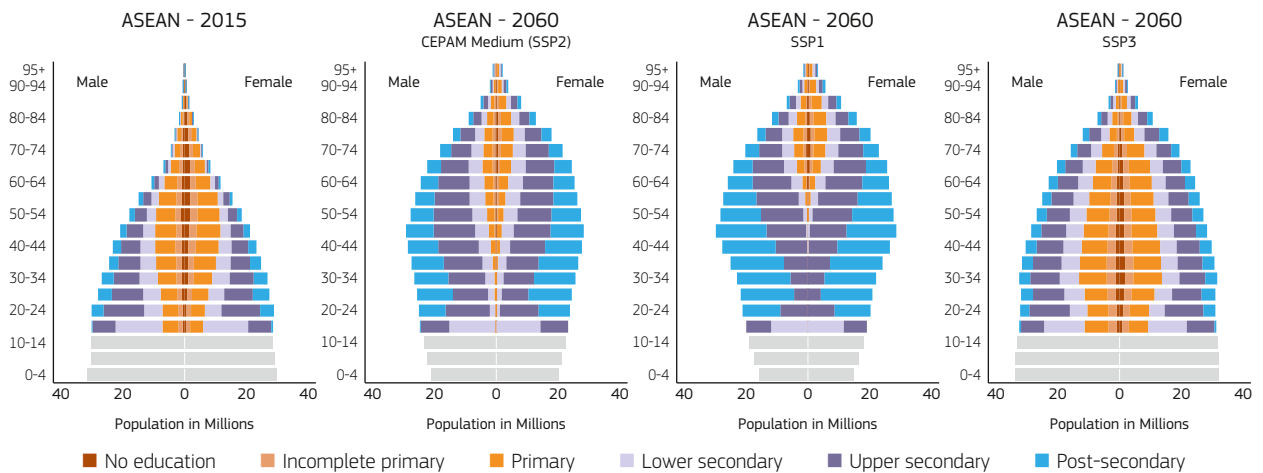
8.3.3 ASEAN

ASEAN is a mix of countries with contrasting educational and age compositions. The MYS for population 25+ ranged from 4.6 years in Cambodia to 11.6 in Singapore in 2015. Indonesia carries a lot of weight in the regional average due to its large population (8.3 years for ASEAN, 8.4 years in Indonesia in 2015). Furthermore, Indonesia has nearly succeeded in eradicating illiteracy (2 % uneducated among 25–39 year olds in 2015, as compared to 29 % among 65+) and has made good progress in achieving universal primary education for both boys and girls (95 % of both men and women 25–39 years old have completed primary education, compared to 83 % among 40–64 year olds). These achievements have a significant footprint on the educational composition of ASEAN presented in the Figure 8.6. Similarly, Malaysia, Philippines, Thailand and Vietnam have made great progress in illiteracy eradication and in achieving universal primary education, while Cambodia

has a long way to go to achieve this considering 20 % of 25–39 year olds were without any education in 2015, and 50 % for 65+. Furthermore, only 65 % of 25–39 year olds had completed primary schooling in 2015.

The three SSPs lead to very different population compositions in ASEAN. In one direction is an aged and well-educated population structure where young cohorts universally achieve upper secondary education, and generational differences in educational attainment are strongly pronounced (SSP1). In another, is a youngish population with a slightly progressive age structure, but sizeable numbers with only a maximum of primary education — estimated at 225 million (40 % of population 25+) compared to 170 million (48 %) in 2015. In the CEPAM Medium (SSP2) scenario, only 1.2 % of population 25+ would have no formal education, 12 % with a maximum of completed primary and 33 % would have attained post-secondary diploma or a degree. In individual countries, the respective shares vary a great deal (see Appendix 2 for more detail).

FIGURE 8.6: Population composition of ASEAN by age, sex and educational attainment, 2015 and 2060 by scenarios (Source: own calculations)



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CHAPTER 9

Future demographic trends in Latin America and the Caribbean countries



9 Future demographic trends in Latin America and the Caribbean countries

Alessandra Conte and Erofilis Grapsa

9.1 Population size and growth

While the demographic transition has been underway in Latin America and the Caribbean for several decades (Guzmán et al., 2006), the population is still projected to increase in the future. According to new projection results, the rate of the increase will largely depend on future trends in international migration. The population could rise from 632 million in 2015 to around 778 million in 2060⁽¹⁶⁾, and after peaking in the middle of this century, population would possibly decline to 692 million in 2100 (SSP2); but population could increase

to 933 million (SSP3), or 737 million (SSP1) by 2060 depending on migration trends over the coming years.

Figure 9.1 below shows the trends in population size of the entire region, between 2015 and 2100, according to the five shared socioeconomic pathways (SSPs). The population trajectories resulting from the SSPs stay very close to each other until around 2030 and, from the middle of this century, there might be a significant variation with the range between the stalled development (SSP3) and the rapid development (SSP1) trajectories.

FIGURE 9.1: Projected population size (in thousands) of the LAC Region, 2015-2100, by scenario (Source: own calculations)

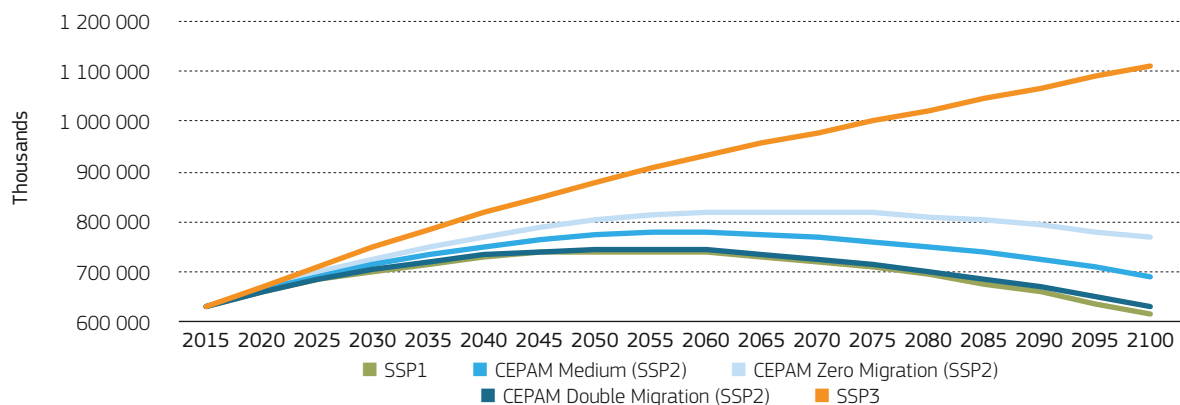
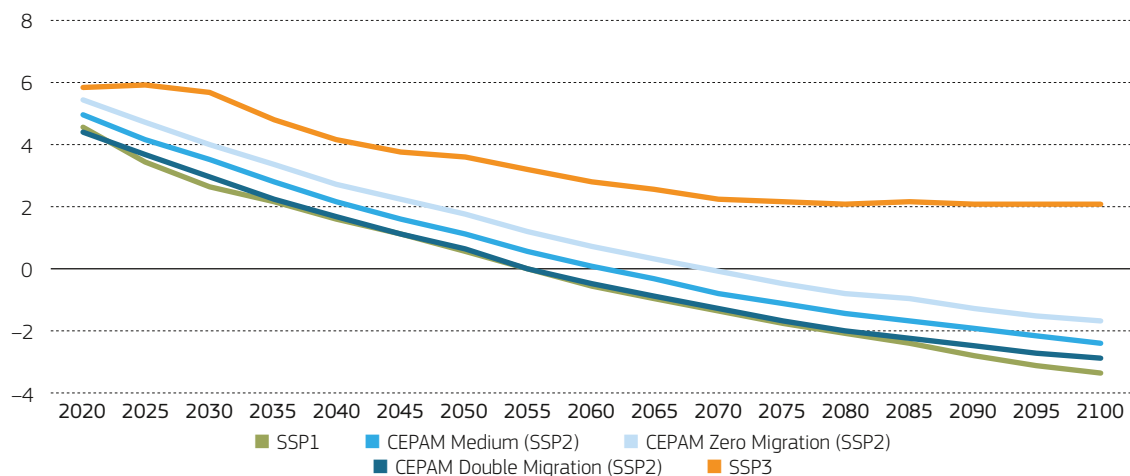


FIGURE 9.2: Projected population growth (in percent) of the LAC region, 2015-2100, by scenario (Source: own calculations)



⁽¹⁶⁾ The information refers to 38 countries and three sub-regions. Caribbean: Antigua and Barbuda, Bahamas, Barbados, Cuba, Dominican Republic, Grenada, Guadeloupe, Haiti, Jamaica, Martinique, Curacao, Aruba, Puerto Rico, Saint Lucia, Saint Vincent and Grenada, Trinidad and Tobago, Virgin Islands; South America: Argentina, Bolivia, Brazil, Chile, Colombia, Ecuador, French Guiana, Guyana, Paraguay, Peru, Suriname, Uruguay, Venezuela; Central America: Belize, Costa Rica, El Salvador, Guatemala, Honduras, Mexico, Nicaragua, Panama.

TABLE 9.1: Population growth (in percent), in 2015–2060, by sub-region and country, CEPAM (SSP2) scenarios (Source: own calculations)

Country	CEPAM (SSP2)		
	Medium	Zero Migration	Double Migration
Caribbean			
Cuba	-26.2	-11.3	-39.4
Dominican Republic	30.0	44.8	16.9
Haiti	31.9	45.8	19.3
Jamaica	-14.3	27.0	-43.4
Puerto Rico	-18.7	-0.6	-31.7
Total sub-region	4.5	21.3	-9.3
Population in 2060	45 million	52 million	39 million
South America			
Argentina	30.1	28.4	31.6
Bolivia	46.4	56.1	37.2
Brazil	13.6	13.5	13.6
Ecuador	43.5	46.5	40.6
Venezuela	37.0	37.4	36.5
Total sub-region	20.8	22.9	18.7
Population in 2060	502 million	512 million	495 million
Central America			
El Salvador	0.2	37.3	-27.7
Guatemala	64.3	83.5	47.0
Honduras	55.9	63.6	48.5
Mexico	29.9	43.2	17.7
Panama	41.3	41.3	41.1
Total sub-region	33.6	47.4	21.2
Population in 2060	230 million	254 million	209 million
Total	23.2	29.5	17.5
Population in 2060	778 million	819 million	743 million

The growth of the population would be falling under the SSP2 scenario: while the population grew at a rate of 5.6 % between 2010 and 2015 (UN), it would be close to zero (0.07 %) between 2055 and 2060 (see Figure 9.2). Although in 2015 the regional population represented 9 % of the world population, this proportion would decrease to 8 % in 2060, and to 7 % in 2100 ⁽¹⁷⁾. Figure 9.2 shows population growth (in percent) for the region as a whole, between 2015 and 2100 for all scenarios.

Even if international migration is difficult to predict from a long-term perspective, it will likely have an important role in future population dynamics. National and regional population growth for the SSP2 scenario under different migration levels for the period 2015–2060 are presented in Table 9.1. All variants of population projections show an increase in the total population of the LAC region for the period 2015–2060. However, demographic and migration patterns vary significantly across sub-regions and countries, resulting in different national population trajectories.

According to the CEPAM Medium (SSP2) scenario, which assumes a continuation of levels of net migration experienced over the period 1960–2015, in future years most countries will undergo an increase of their population size and the whole region could potentially increase by 23 percent until 2060. The highest relative increases are recorded in Guatemala, Honduras, Bolivia, Argentina, and Ecuador. Other countries, including Puerto Rico, Trinidad and Tobago, Uruguay and Jamaica will possibly see a decrease in their population size due to migration. The CEPAM Zero Migration (SSP2) scenario assumes that numbers of immigrants and emigrants will be equal, and predicts 30 percent of total population growth to be determined exclusively by births and deaths by 2060 in the region. According to this scenario, the LAC population would continue to increase, reaching 819 million in 2060; this growth in the absence of net-migrants reflects the young age structure of the region population. Population projections based on the ‘Double Migration Scenario’, which doubles the migration rates in the CEPAM Medium (SSP2) scenario, projects an increase of 18 % of the total population, which is the lowest growth compared to the other scenarios.

⁽¹⁷⁾ In 2060, the largest populations could be in Peru (projected to be around 40 million people), Venezuela (42 million), Argentina (56 million), Colombia (57 million), Mexico (163 million), and Brazil (233 million).

Growth trends in the three sub-regions of Latin America and the Caribbean are not homogenous. According to the CEPAM Medium (SSP2) scenario, in 2015–2060, the growth varies from 5 % in the Caribbean to 34 % in Central America ⁽¹⁸⁾.

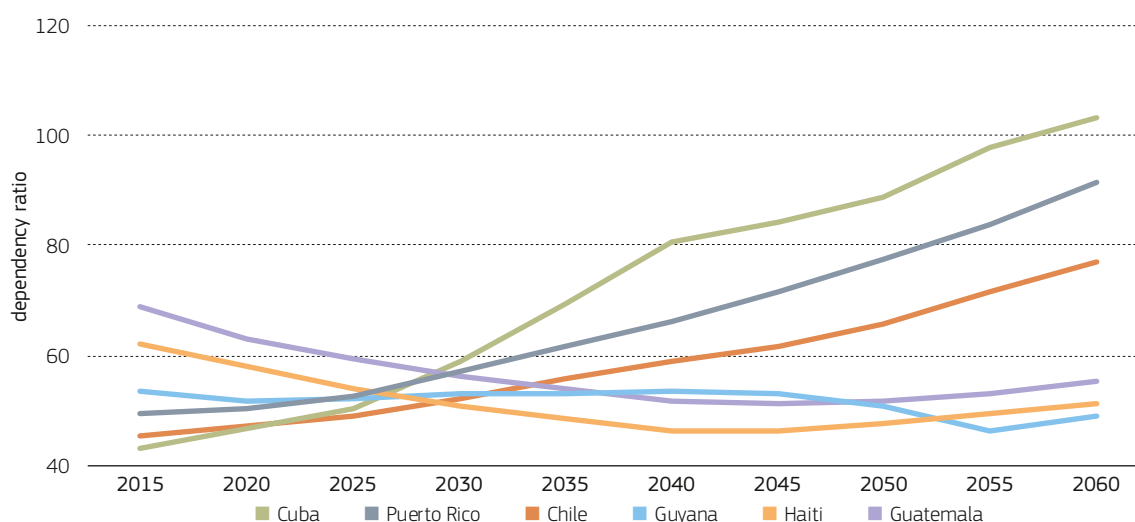
9.2 Age structure and dependency rate changes in CEPAM Medium (SSP2) scenario

The age structure of LAC countries will be affected differently depending on their stage of the demographic transition and the scenario (see also Population Reference Bureau, 2014). However, accelerated population ageing is a common thread, through SSP1 and SSP2 scenarios. While the young population (0–14) will decline in absolute numbers from 161 million in 2015 to 122 million in 2060 (corresponding to 29.5 % and 15.7 % of the total population), the share of the older population (65+) is expected to increase steadily over the entire period, with an increase from 8 % in 2015 to 24 % in 2060, which means, in absolute terms, an increase from 48 million in 2015 to 188 million in 2060. Population ageing in the region will not be a homogeneous process. The ageing process is indeed already advanced in Martinique, Cuba, Argentina, Chile, and Uruguay, where the elderly aged 65+ represented at least 10 % of the population in 2015.

Most of the countries in the region will see the share of the elderly reach at least 20 percent by 2060. In Cuba, Puerto Rico, Trinidad and Tobago, Chile and Jamaica, the proportions of the population aged 65+ are projected to more than double, between 2015 and 2060. In several countries of the region less advanced in the demographic transition, the young and working-age populations will play a significant role in population growth in the coming decades, as in Guatemala, Belize, Bolivia, and Honduras.

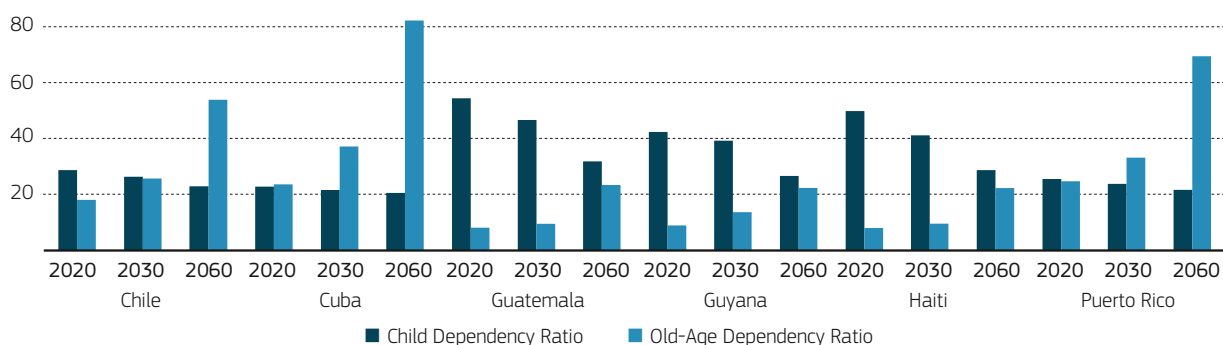
The overall dependency ratio, expressed by the ratio of the population aged 0–14 years and 65+ over the working-age population (15–64), reflects the population ageing process of the region. There are considerable variations in the dependency ratio from one country to another and, as a result of different national trends, a diverging pattern is projected in old-age dependency ratios and a convergence in child dependency ratios ⁽¹⁹⁾. For instance, in Cuba, the dependency ratio was at relatively low levels at the beginning of the period and it is expected to rise faster than in the other countries. In Guatemala, the dependency ratio, which was high in 2015 for the high proportion of children, started a downward trend that is projected to continue until 2050 when it will gradually increase again. Figure 9.3 shows how the dependency ratio will vary over the next decades in selected countries that are at very different stages of the demographic transition. Figure 9.4 illustrates the child and the old age dependency ratios for selected countries in the region.

FIGURE 9.3: Overall dependency ratio, 2015–2060 in selected countries, CEPAM Medium (SSP2) (Source: own calculations)



⁽¹⁹⁾ The child dependency ratio will reach in 2060 an average level of 26.3 children for 100 working age population, with a standard deviation of 2.7. In 2060, the lowest child dependency ratio will be possibly reached in Cuba (20.7) and the highest in Guatemala (31.9). In the same year, the average old-age dependency ratio is 42.3 elderly for 100 people of working age, with a standard deviation of 13.7. The highest rate is recorded in Cuba (82.5) and the lowest in Haiti (22.4).

⁽¹⁸⁾ The slow growth in the Caribbean is not tied to low fertility rates.

FIGURE 9.4: Child and old-age dependency ratios, in selected countries and years, CEPAM Medium (SSP2) (Source: own calculations)

9.3 Components of demographic change, in CEPAM Medium (SSP2) scenario

9.3.1 Life expectancy at birth

In 2015, life expectancy at birth in the region was around 78 years. From then on, life expectancy should increase on average by 10 years over the coming decades reaching 88 years in 2060. The lowest mortality levels are observed in the Caribbean sub-region and in Martinique, where the female life expectancy is equal to 85.2 years. Similar life expectancy levels at birth in 2015-2020 are observed in Guadeloupe, with (female) life expectancy of 84.8 years, French Guiana (83.3), Puerto Rico (83.9), Costa Rica (82.5), and Cuba (82). The worst performer is Haiti where the life expectancy for the male population is only 61.5, and for the female population is 65.9 ⁽²⁰⁾.

In 2060 the highest female life expectancy might be reached by Guadeloupe (94.1), and Martinique (93.8), and the lowest in Haiti (75) and Bolivia (80).

In all countries of the region, male mortality will be higher than female mortality. In 2015, the regional average difference in life expectancy between women and men was around five years, with the widest gap to be found in El Salvador (9 years), Venezuela (8 years), and Puerto Rico (7.5) and the lowest in Cuba (3.9 years) and Haiti (4.4 years). Our population projections indicate that this difference will remain in the coming decades, although a reduction is expected for all countries.

9.3.2 Fertility

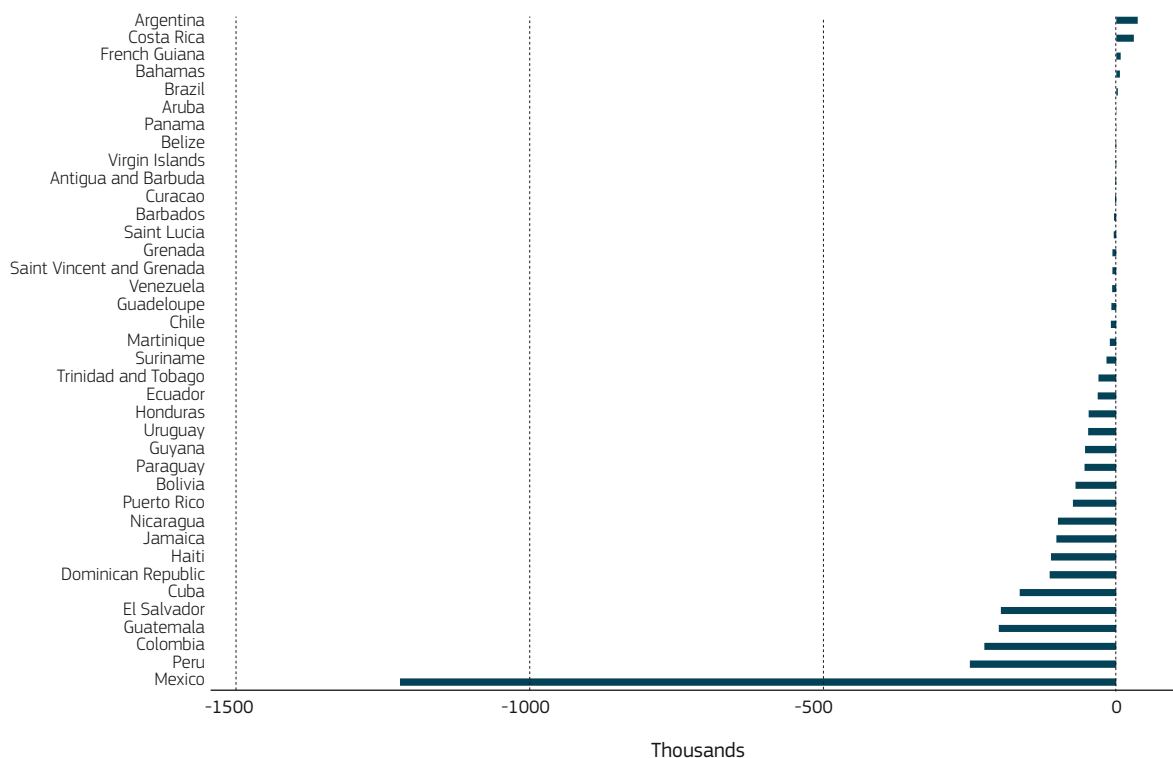
In 2015, the average total fertility rate was 2.1 children per women, with rates varying from 1.5 children per women in Puerto Rico to 2.9 children in French Guyana. In 2015, countries with fertility below the replacement level of 2.1 children per woman include Cuba (1.6), Brazil (1.7), Chile (1.7), Costa Rica (1.8), and Colombia (1.9), whereas countries with fertility rates above the replacement level include Guatemala (2.9), Bolivia (2.8), Haiti (2.8), Honduras (2.4), Belize (2.4), Ecuador (2.4), and Mexico (2.2).

In the coming decades, the total fertility rate will drop from 2.1 children per woman to 1.8 by 2030 and would reach 1.6 children per woman in 2060. According to the projected fertility levels, in 2060 no country in the region will be at replacement level.

9.3.3 International immigration and emigration

The number of international migrants in LAC will grow from around 5 million in 2015 up to 6.2 million in 2060, and international migration will continue to play an important role in shaping the composition of the population of each sending and host-country (Saad, 2009). Figure 9.5 identifies countries with positive net migration (number of immigrants higher than that of emigrants), and countries with negative net migration (number of emigrants higher than that of immigrants), for the period 2015-2020.

⁽²⁰⁾ High mortality levels are also observed in Guyana, Belize, and Trinidad and Tobago, where female life expectancy at birth is respectively of 69.3 years, 73.7, and 74.5, and male life expectancy is 64.5, 68, and 67.4.

FIGURE 9.5: Net migration (in thousands) in 2015-2020 (Source: own calculations)

In 2015, of the 5 million international migrant flows within the region more than 2 million are around Central America (especially in El Salvador, Guatemala, and Mexico), followed by countries of South America, and then by the Caribbean countries. Results for 2015 show a higher propensity to move into Argentina, Costa Rica, French Guyana, Bahamas, Brazil, Aruba, and Panama, with Bahamas and Aruba being the only Caribbean countries with more immigrants than emigrants.

Net migration is negative in most countries of the region, including some countries of Central America plagued by high levels of violence (a potential push factor especially for Guatemala, El Salvador, and Honduras). The net loss of population as a result of international migration is particularly marked in Mexico. Projections indicate that the net migration in the country might increase to -1546.1 thousand in 2060.

9.4 Population projections based on education levels

Educational attainment levels of the population should improve significantly over the coming years, under each scenario. Projection results show that the number of people with no education will decrease continuously and by 2100 possibly almost all people in the region will have some level of education ⁽²¹⁾. The CEPAM Medium (SSP2) scenario projects that by 2060, around 160 million Latin Americans, aged 25 years and over (corresponding to a share of 28.3 %) would have received at least a post-secondary education, whereas only 1.6 % people would not have education (see Table 9.2).

⁽²¹⁾ According to CEPAM Medium (SSP2) scenario only 0.2 % of Latin Americans will not have education by 2100.

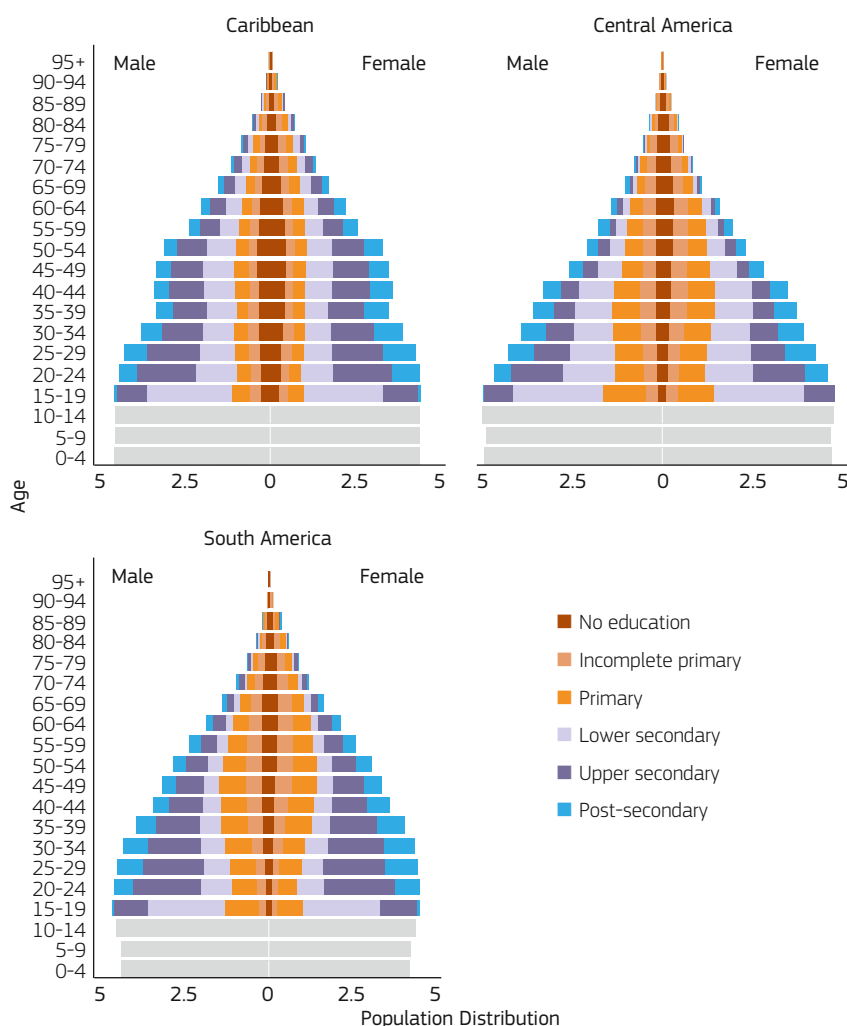
TABLE 9.2: Percentage of the population (aged 25+), by educational level, and scenarios (*Source:* own calculations)

Educational level	2015		2060	
	CEPAM Medium (SSP2)	CEPAM Medium (SSP2)	SSP1	SSP3
Post-secondary	15.6 %	28.3 %	43.5 %	17.3 %
Upper secondary	24.7 %	39.5 %	36.9 %	27.7 %
Lower secondary	16.9 %	16.6 %	8.6 %	19.7 %
Primary	20.7 %	10.3 %	6.5 %	19.7 %
Incomplete primary	14.2 %	3.7 %	3.1 %	10.7 %
No education	8.0 %	1.6 %	1.5 %	5.3 %

In 2015, there were significant differences by age groups in educational status. Younger adult cohorts in most countries are consistently better educated than older ones. Individuals with upper secondary education dominate the age group 25-44, especially in South America and the Caribbean subregion. Within the same age group, 18 % had at least post-secondary education, and 4 % had no education. Among people aged 45-69

years, the share of those with at least post-secondary was 13 %, while nearly 9 % had no education. People at age 70+ are less educated, as the proportion with no education is 23 %.

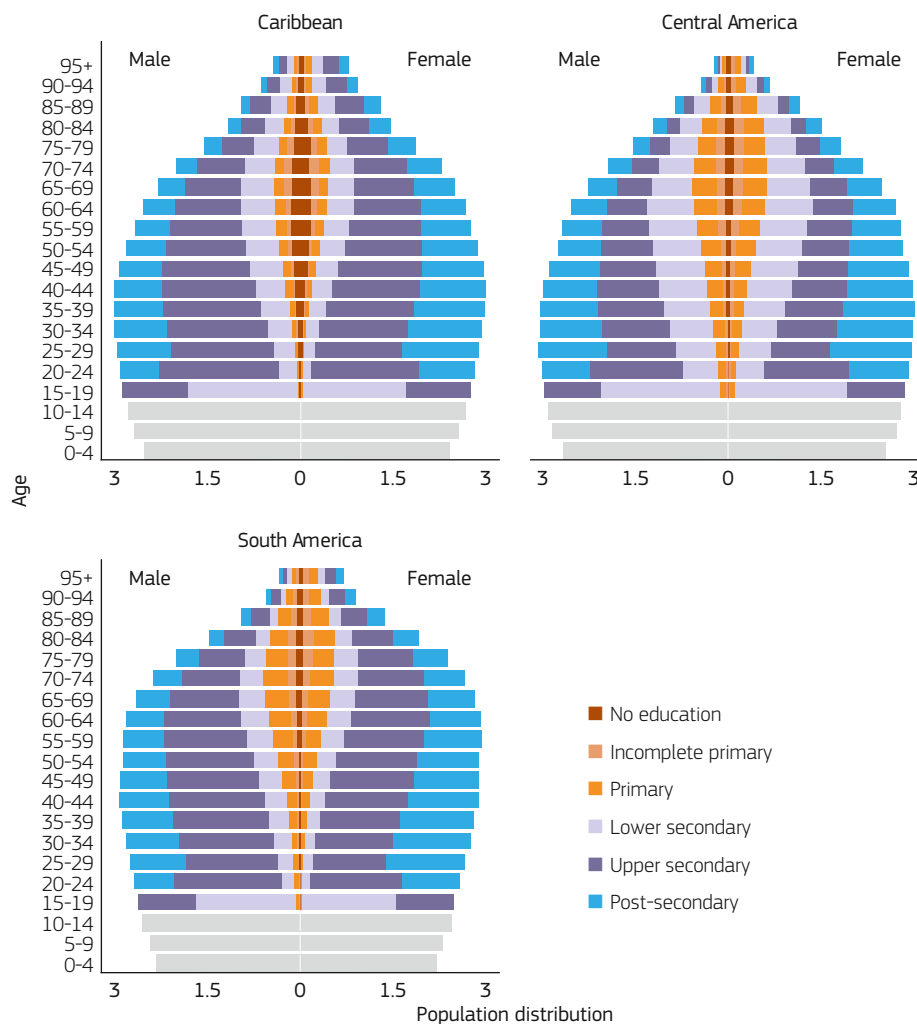
Figure 9.8 shows the population pyramid by education, age, sex in the three sub-regions for 2015 (CEPAM Medium (SSP2) Scenario).

FIGURE 9.8: Population pyramid by education, age, sex in the three sub-regions for 2015 (*Source:* own calculations)

Data on educational attainment also show great variety within the region. In 2015, the countries with the highest share of the population with at least post-secondary education among the population aged 25+ years were Peru (26 %), Bahamas (33 %) and Puerto Rico (35 %). The highest percentage of individuals aged 25+ with no education is recorded in Haiti (42 %), Honduras (20 %) and Nicaragua (20 %).

In 2060, differences between age groups are expected to be significantly lower than in 2015, but they will likely still be noticeable. Figure 9.9 illustrates the population pyramid by education, age, sex in the three sub-regions for 2060 (CEPAM Medium (SSP2) scenario).

FIGURE 9.9: Population pyramid by education, age, sex in the three sub-regions for 2060 (Source: own calculations)



The best educated are likely to be individuals aged 25-44. Within this age group, the largest group are projected to be the population with an upper secondary education (44 %), followed by those with at least post-secondary education (36 %). For this age group, there would be almost no low educated people (0.3 %). Among the older adults (45-69), around 27 % of them should have at least post-secondary education, and 1.3 % without any education. The countries with the population 25+ having the highest post-secondary education rates in 2060 are estimated to be Puerto Rico (52 %), Bahamas (46 %) and the Dominican Republic (42 %), whereas countries

with the highest rates of no education in 2060 are Haiti (11 %), Nicaragua (5 %) and French Guiana (5 %).

Countries also differ significantly in the time lag between the growth periods of different education levels. By 2030, 15 % of the Brazilian population that is 25 and older will be educated at the post secondary level or higher. By contrast, roughly the same proportion (17 %) of Guatemalans will reach the same educational level only by the year 2060.

In primary education, the regional gender gap ⁽²²⁾ would likely remain relatively stable (1.1 men for every woman in 2015 to 1.14 in 2060). Projections indicate that by 2060, 11 of the 38 countries in the region would have achieved equality in primary education (0.93–1.09). Some progress to reduce gender inequality will be potentially achieved, especially in those countries where girls face more disadvantages. In Guatemala, the gender gap in primary education is predicted to go from 1.4 in 2015 to nearly 1.3 in 2060. However, several countries that had reached gender parity in 2015 will move away from it, including Colombia, El Salvador, Paraguay, Uruguay and Guyana. Gender disparities are broader and more varied in post-secondary education. In 2015, the region's gender

gap of post-secondary was at 0.9, reflecting fewer men than women enrolled. This increased vulnerability of men over women in higher education has been observed in Latin America and other regions (Paulson, 2015). In most of the countries, gender gaps at the expense of men will widen between 2015 and 2060. In Guatemala, the gender gap will potentially go from 1.23 in 2015 to 0.88 in 2060, and Suriname would likely be the only country projected to be very far from gender parity in 2060, with a gender gap equals to 0.96 in 2015 and 0.65 in 2060. According to our projection results, no countries will reach the gender parity by 2060 (CEPAM Medium (SSP2) scenario).

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⁽²²⁾ The gender gap is an indicator of gender inequality and it is expressed as the ratio of men to women in each education category.

CHAPTER 10

Future demographic trends in North America and Oceania



10 Future demographic trends in North America and Oceania

Guillaume Marois, Patrick Sabourin and Alain Bélanger

10.1 Introduction

This chapter describes the projected demographic evolution of Oceania and North America, regions comprising a set of countries that are geographically disparate, but similar in terms of their demographic regime or development ⁽²³⁾. Furthermore, four of the included countries — Canada, the United States, New Zealand and Australia — share common historical roots as former British settlements.

Table 10.1 below compares the main socio-demographic indicators of North America and Oceania's sub-regions in 2015, base year of the projection. Despite large differences in population size, the United States (320 million) and Australia/New Zealand (28 million) were very similar both in terms of their population age structure and of their overall educational attainment: both counted about 19 % of young, 66 % of working age and 15 % of elderly, and they also presented very similar percentage of their population with post-secondary education, 26.9 % for the United States and 29.5 % for Australia/New Zealand. In contrast, Canada displayed an older age structure with 16 % of elderly and a comparatively low proportion (16.0 %) of its population aged less than 15. The characteristics of the Canadian age structure can in part be explained by its relatively lower fertility, 1.6 children per woman versus about 1.9 in the United States and Australia/New Zealand (Population Reference Bureau, 2017), which deflates its share of the younger age group. The higher Canadian net immigration rate (nine per thousand) can explain why despite its low fertility the working age group represents a larger share

of its population (67.9 %) compared to the other sub-regions under study. Finally, Canada differs even more in terms of educational attainment with almost half of its population having some post-secondary education. This is partly explained by the country's point system regulating the admission of immigrants based on their human capital, and partly because of its relatively cheap and extensive college network.

Nevertheless, Canada, the United States and Australia/New Zealand are very similar when compared with the region Rest of Oceania. All four countries are under a demographic regime of relatively low fertility, low mortality and positive net migration rates. They are also similar in terms of economic development. In contrast, the near 11 million people of the 11 smaller countries composing the rest of Oceania are living in a demographic regime characterised by relatively high fertility (between three and four children per woman), high mortality and negative net migration rates. The population age structure of the rest of Oceania is much younger than the population age structure of the other sub-regions, less than 5 % of their population being aged 65 and over. Incidentally, this is also the percentage of their population with post-secondary education, an indicator of their relatively lower economic development.

This short introduction has briefly compared the population of the different sub-regions. The rest of this chapter presents the main results of the population projections by age, sex and education.

⁽²³⁾ The analysis excludes Mexico, which is covered in the chapter on Latin America. North America is composed of Canada and the United States of America. Oceania is composed of Australia, New Zealand and 11 smaller countries: Solomon Islands, Fiji, French Polynesia, Kiribati, Guam, New Caledonia, Vanuatu, Micronesia, Papua New Guinea, Tonga and Samoa.

TABLE 10.1: Population characteristics in 2015 (Source: own calculations)

	Population in 2015 (‘000)	0-14 %	15-64 %	65+ %	% with post- secondary	% with bachelor or more
Canada	35 948	16.0 %	67.9 %	16.1 %	47.6 %	18.9 %
United States	319 917	19.2 %	66.1 %	14.6 %	26.9 %	21.1 %
Australia/New Zealand	28 414	19.0 %	66.1 %	14.9 %	29.5 %	18.6 %
Rest of Oceania	10 891	35.3 %	60.5 %	4.2 %	5.3 %	NA
Total	395 171	19.3 %	66.1 %	14.5 %	28.4 %	NA
European Union	507 486	15.5 %	65.4 %	19.1 %	22.5 %	15.5 %

10.2 Results

Projection results from the CEPAM Medium (SSP2) scenario show that the population is expected to grow in all regions under study (Figure 10.1). The trends in population size for Canada and the United States are similar, as both countries are expected to grow approximately by 30 % from 2015 to 2060. Indeed, according to the CEPAM Medium (SSP2) scenario, the 2060 population could reach 46.5 million in Canada (from 35.9 million in 2015) and 410.2 million in the United States (from 319.9 million in 2015). In Oceania, population growth is further driven up by Papua New Guinea and the Pacific islands, where the demographic transition remains to be completed. The population size of Oceania should then reach 57.6 million in 2060, a 47 % increase from to the 2015 population (39.3 million).

These projected demographic trends differ from what can be observed in many other developed nations. In comparison, in the European Union (EU), the projected population is expected to increase until 2035, after which it should start to decline slowly (Figure 10.2). As a consequence, the EU population in 2060 should be roughly the same as it was in 2015 in terms of size, and would hence be surpassed by the combined population of North America and Oceania.

Results also show that growth (in percent) is expected to decrease over time. During the projection period, the five-year growth is expected to drop from 3.8 % to 2.5 % in Canada, and from 3.5 % to 2.4 % in the United States. In Oceania, the growth is higher at the beginning of the projection (6.2 %), but as the Pacific islands complete

their demographic transition, it is expected to converge gradually toward values observed in North America, reaching 2.8 % at the end of the projection.

Even though the rate of growth is expected to decrease over time, this situation contrasts with the population dynamic observed in the EU, which would then be experiencing negative growth. These divergent trends across developed nations may be explained by the fact that fertility and net migration rates are generally lower in Europe than in North America and Oceania.

In these sub-regions and particularly in Canada, migration is a major driver of future population size. Indeed, without migration, population size in Canada would start declining in 2035 and would drop below the 2015 level in 2060 (Figure 10.1). The CEPAM Zero Migration (SSP2) scenario reduces the Canadian population size by about 10 million at the horizon of the projection, with respect to the CEPAM Medium (SSP2) scenario. No decline is expected in the United States and in Oceania, as their fertility levels are higher, but population growth would be considerably slowed down. In the United States, the CEPAM Zero Migration (SSP2) scenario leads to a stabilisation of the population at about 350 million inhabitants, 15 % less than the CEPAM Medium (SSP2) scenario. In Oceania, population size would slowly reach 50 million in 2060, 20 years later than in the CEPAM Medium (SSP2) scenario. Conversely, the scenario with double migration would lead to significantly larger population size. In the three regions, doubling migration would result in continuous growth without a significant decline in pace, yielding a final population of 56.4 million in Canada, 468.5 million in the United States and 65 million in Oceania.

FIGURE 10.1: Projected population size (in '000) according to three scenarios, Canada, United States, Oceania, 2015-2060 (Source: own calculations)

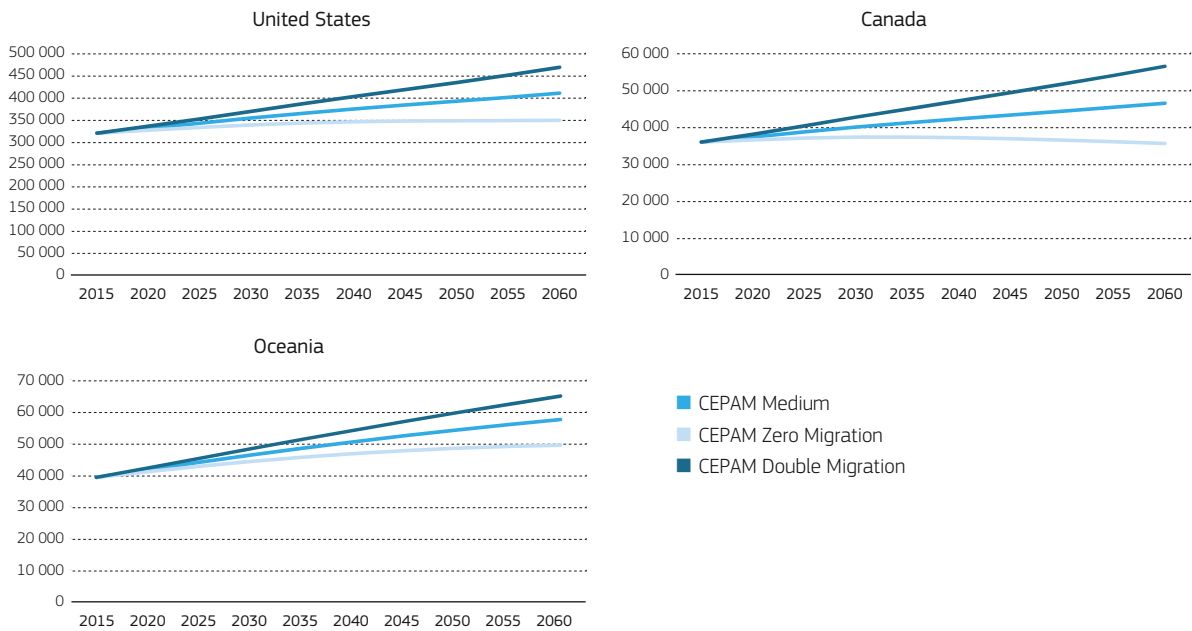
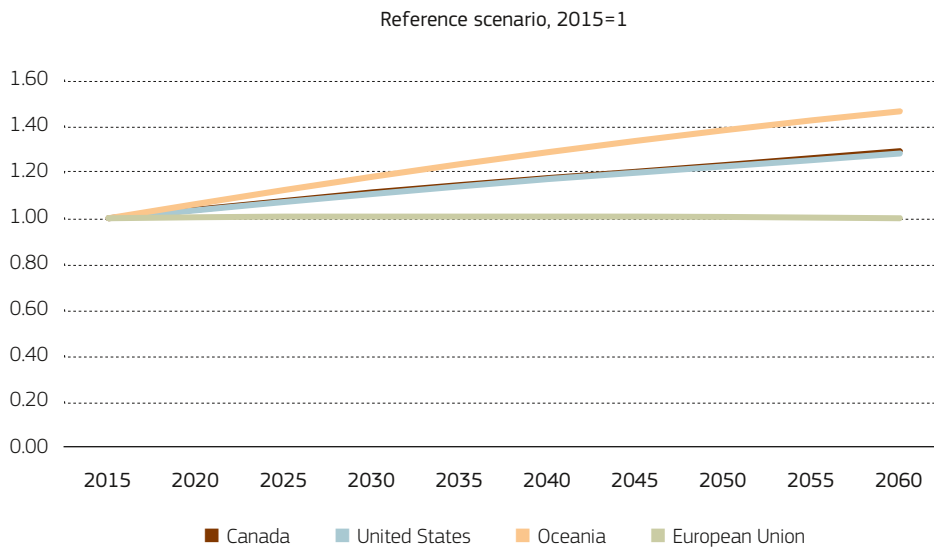


FIGURE 10.2: Projected relative population size (2015 = 1) according to the CEPAM Medium (SSP2) scenario, Canada, United States, Oceania and the European Union (Source: own calculations)



The future size of the working age population (here defined as the population aged between 15 and 64) raises many policy concerns as well, as it is closely related to economic development and prosperity. Figure 10.3 below shows the projected working age population size for the CEPAM Medium (SSP2) scenario. For all three regions, no decline is expected within the time span of the projection. In Canada, the potential workforce remains quite stable at about 25 million potential workers. In the United States, an increase of 13 % is even projected, as the working age population would pass from 2011.6

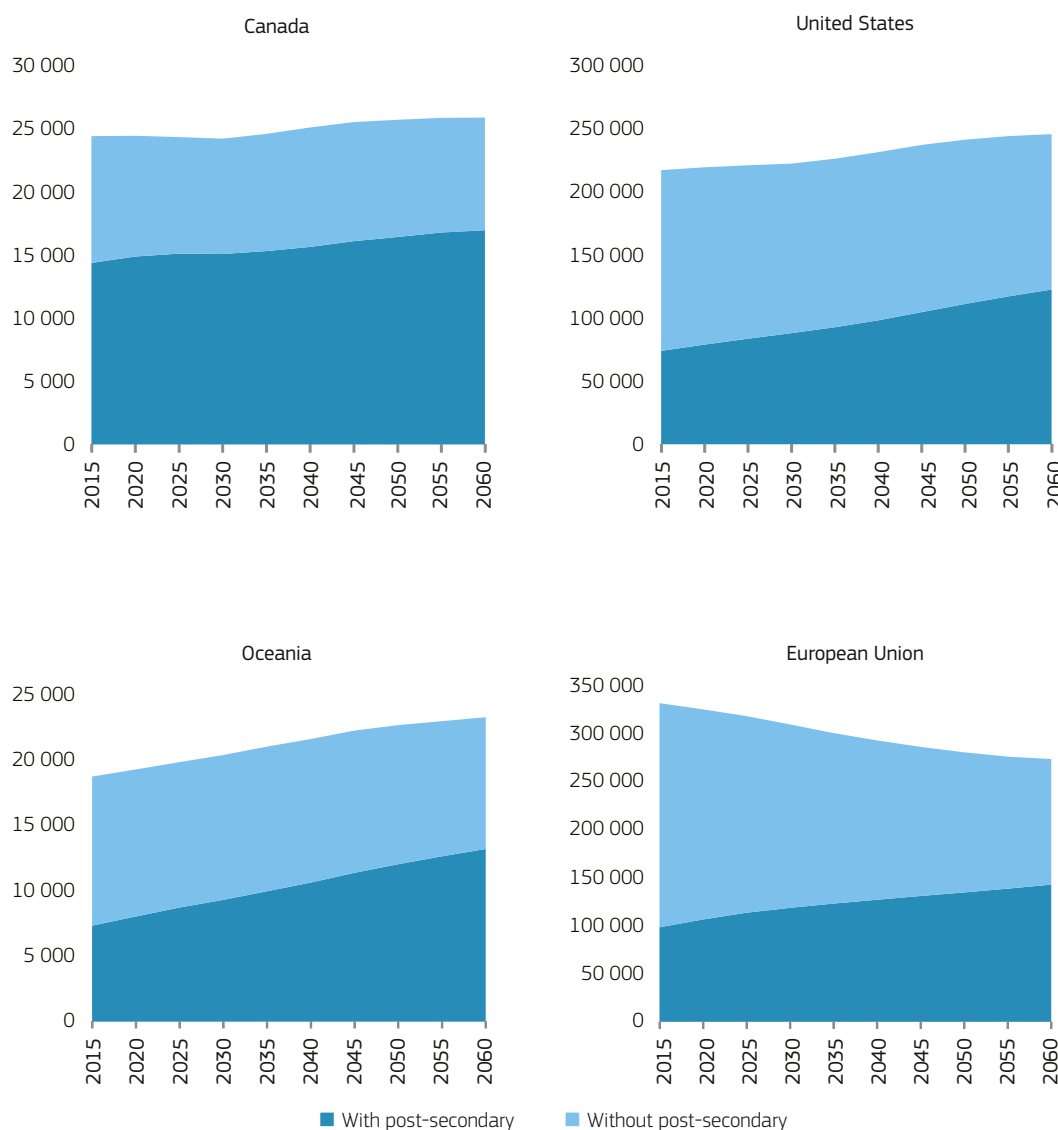
million in 2015 to 239.6 million in 2060. The projected increase in the workforce size is even higher in Oceania (24 %), as it is also driven by a higher fertility. These dynamics are in sharp contrast with what is expected in the European Union, which according to the projection should experience a decrease of 18 % in its working age population.

Interestingly, results also highlight future changes in the composition of the working age population by education level. Indeed, in all three regions, the working

age population without post-secondary education would decline, while the population with post-secondary education increases, particularly in the United States (65 %) and in Oceania (80 %), two regions where the proportion of workers with post-secondary education lagged behind Canada in 2015. The slower increase

in the share of the population with post-secondary education in Canada can be explained by its relatively high level at the start of the projection. Nevertheless, by the end of the projection, the proportion of the working age population with a post-secondary education would rise above 50 % in all three regions.

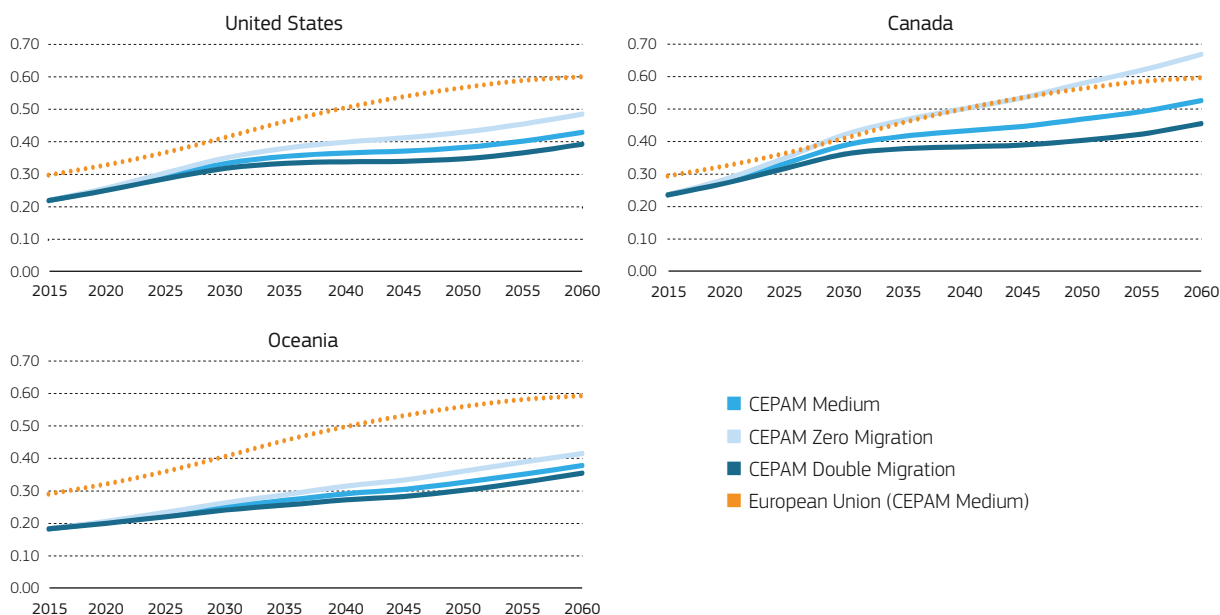
FIGURE 10.3: Projected working-age population size (15-64, in '000) by education level according to the CEPAM Medium (SSP2) scenario, Canada, United States, Oceania, European Union 2015-2060 (Source: own calculations)



There are some debates on the extent to which population size or population growth matter in terms of prosperity (Alesina, 2003; Jones, 1995; Prettnner, 2014). Indeed, population composition and structure seem to matter at least as much as population size. Economic consequences of population ageing also arise from changes in the age structure, as a growing proportion of the elderly generally entails greater expenses for health

and social security programs (United Nations, 2015). To measure ageing, the old-age dependency ratio (OADR, 65+/15-64) is a very relevant demographic indicator for developed nations, as it provides the number of potential beneficiaries of social programs (population 65+) for each potential member of the labour force (population 15-64). Figure 10.4 shows the projected OADR for the three regions covered in this chapter.

FIGURE 10.4: Projected old-age dependency ratio (65+/15-64) according to 3 scenarios, Canada, United States, Oceania, 2015-2060 (Source: own calculations)



In 2015, Canada, Oceania and the United States had a lower OADR than the European Union (with 0.24, 0.20 and 0.22 compared to 0.29, respectively), and the difference is expected to increase over time. As a consequence of the past decline in fertility and the ongoing increase of old-age life expectancy, the OADR is expected to increase sharply in every region. Between 2015 and 2030, a rapid increase is expected in Canada and in the United States, as the proportion of elderly will be enlarged by the addition of large cohorts of baby boomers. The OADR would then exceed 0.4 in Canada and 0.35 in the United States, meaning that there would be respectively 40 and 35 elderly for every 100 persons aged between 15 and 64 in those countries. The increase in OADR would then slow down until 2045, and accelerate again, as the children of baby boomers (the 'echo') would in turn reach retirement ages. Oceania is expected to experience a more linear increase in OADR during the projection period. At the end of the projection, the OADR should reach 0.53 in Canada, 0.43 in the United States, and 0.38 in Oceania according to the CEPAM Medium (SSP2) scenario. Despite significant population ageing, in particular in Canada where fertility is assumed to be lower than in the United States, the age structure of the projected population would still remain more favourable compared to the European Union, where the OADR is expected to reach 0.60 in 2060.

The projected OADR would increase under all three scenarios in the three regions. In the United States, doubling migration for a period of 45 years, an addition of a 100 million inhabitants compared to the CEPAM Medium (SSP2) scenario, would lead to a reduction in the OADR of only 0.03, while cutting migration completely

would increase it by 0.06. In other words, the OADR in 2060 resulting from doubling migration would be the same as the one in the CEPAM Medium (SSP2) scenario for 2055. The same pattern is observed in Oceania, where the scenario doubling migration results in an OADR only 0.02 lower than in the CEPAM Medium (SSP2) scenario. The impact of doubling immigration in Canada is stronger, because the CEPAM Medium (SSP2) scenario already supposes immigration rates that are among the highest in the world. According to the double migration scenario, the Canadian OADR would reach 0.46, 21 percent points lower than the level that could be reached under the CEPAM Zero Migration (SSP2) scenario (0.67). This is undoubtedly an important difference, but it can only be reached under very high immigration rates. Compared to the CEPAM Zero Migration (SSP2) scenario, the double migration scenario in Canada generates an extra 20.8 million people at the horizon of the projection in 2060. This difference amounts to 58 % of the Canadian population in 2015, the starting year of the projection. Thus, alternative scenarios on migration show that, although slightly positive, the impact of immigration on the age structure, unless assuming very large immigration rates, is relatively limited.

10.3 Conclusion

This chapter has contrasted the future evolution of the population of North America and Oceania under three migration scenarios. The results show that under the CEPAM Medium (SSP2) scenario, which pursues the recent trends in fertility, mortality and immigration and takes into account the changes in educational level, all

three sub-regions are likely to show population increase in the next half century. This holds true even under the scenario assuming no migration for the United States and for Oceania, but not for Canada where population growth is much more dependent on international immigration.

Under the CEPAM Medium (SSP2) scenario, the working age population would also increase between 2015 and 2060 in all three regions. Of course, doubling immigration rates would lead to larger population size in all regions where net migration has been historically positive, but the results also show that the impact of

such high immigration rates would be modest in terms of old age dependency ratios. In summary, this analysis illustrates the limited impact of migration on the age structure of a population.

The projection also illustrates the rapid increase in the proportion of the working age population with post-secondary education. These results further show the importance of realising population projections that go beyond age and sex, notably by including elements of human capital.

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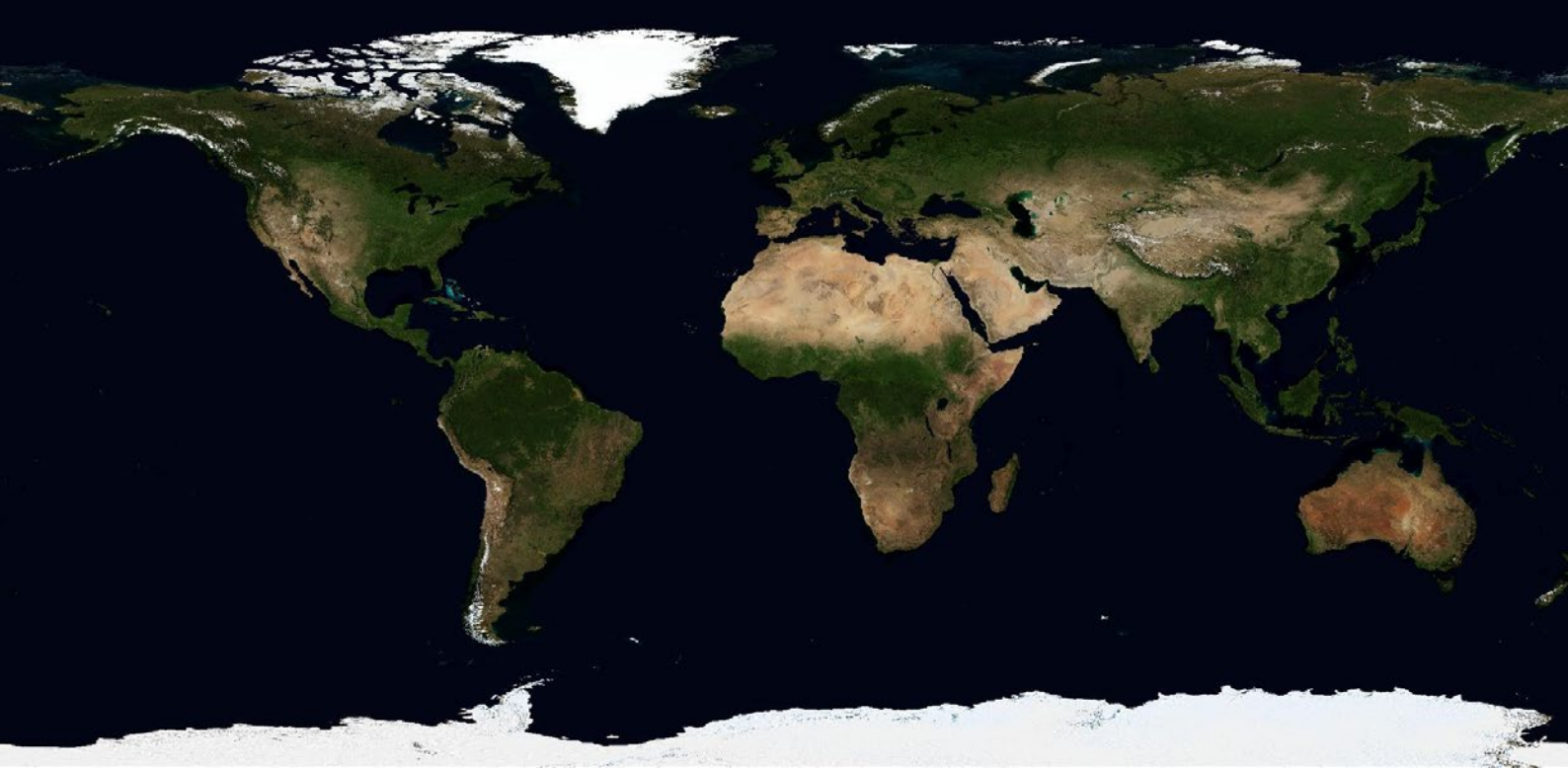
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CHAPTER 11

Alternative scenarios for future world population growth



11 Alternative scenarios for future world population growth

Wolfgang Lutz and Samir KC

11.1 Introduction

The outlook for future global population growth is of great symbolic importance and is frequently cited by pessimists as well as optimists from the field of human development. At least since Thomas Malthus, continued population growth has been seen as a root cause of misery, poverty, hunger and premature mortality. This view stands in stark contrast to the Mercantilist thinking that saw population growth as an indicator of prosperity and a promise for future expansion and growth. The ongoing debate entered a new and even more contentious phase during the 1960s and 1970s when world population growth accelerated, due to a rapid mortality decline in developing countries while high fertility rates did not correspondingly fall. Such development is fully in line with demographic transition theory which predicts that after an initial phase of both high birth and death rates (which tend to cancel each other) death rates first fall due to improving living conditions and public health interventions, while birth rates remain high because high fertility tends to be deeply embedded in the cultural norms of most traditional societies. During this phase of demographic transition population growth rates accelerate until, with some time lag, birth rates also start a decline ultimately resulting in diminishing population growth rates.

Most European countries experienced the demographic transition associated with rapid population growth during the late 19th century when death rates started to fall, and in the early 20th century when birth rates also began to decline. In Europe this time of rapid population growth was also associated with great out-migration pressure. It is estimated that some 60 million Europeans left the old continent over the 19th and early 20th century in search for a better life overseas. This fact should not be forgotten when speaking about out-migration from developing countries today, which are in a comparable phase of demographic transition as Europe was then. Actually, population growth in Africa today is higher than it ever was in Europe because of higher pre-transition fertility rates — the so-called European marriage pattern with late and restricted marriage had already reduced birth rates — and a faster mortality decline due to important medical advances. But unlike the millions of European ‘economic migrants’ to the Americas a century ago, today’s tens of millions of potential migrants from high population growth countries have no equivalent place in the world that welcomes them in a similar way.

World population growth peaked in the late 1960s at a level slightly above 2 % per year. This kind of growth, if maintained, implies that the population would double roughly every generation. On a planet with limited resources of food, fossil fuels and fresh water, this gave rise to a number of highly influential alarmist studies ranging from the ‘Population Bomb’ and the ‘Population Explosion’ of Paul Ehrlich (Ehrlich, 1968; Ehrlich and Ehrlich, 1991) to ‘The Limits to Growth’ by the Club of Rome (Meadows et al., 2004). But there were also opposing voices mostly by economists who believed in substitutability of resources and innovative capacity of humans. Prominently among them was Julian Simon, whose book ‘The Ultimate Resource’ stressed that there could never be too many people because there always would be enough geniuses who would come up with solutions for all problems (Simon, 1983).

These two opposing views on future world population growth remained essentially unreconciled until it became clear that focusing on simply the number of people, without considering their heterogeneity and differential human capital and adaptive capacity, was unproductive and misleading (Lutz, 1994, 2014). Once educational attainment was explicitly factored into the population models, a new outlook could be developed reconciling both seemingly opposing views: Innovations tend to come from more educated people and not from starving illiterate ones (Simon) and without sufficient education, population growth rates are likely to stay high and limits to food supply and other feed-backs from the environment may well result in increasing misery and death rates (Malthus and Ehrlich). One key to this reasoning relies on the fact that female education is a main determinant of lower fertility rates and that education enhances adaptive capacity to environmental change (Lutz and KC, 2011; Lutz and Muttarak, 2017).

The population scenarios presented in this volume have fully incorporated these recent insights and are based on the modelling of population dynamics by age, sex and seven levels of education attainment with an explicit consideration of educational differentials for fertility and mortality rates.

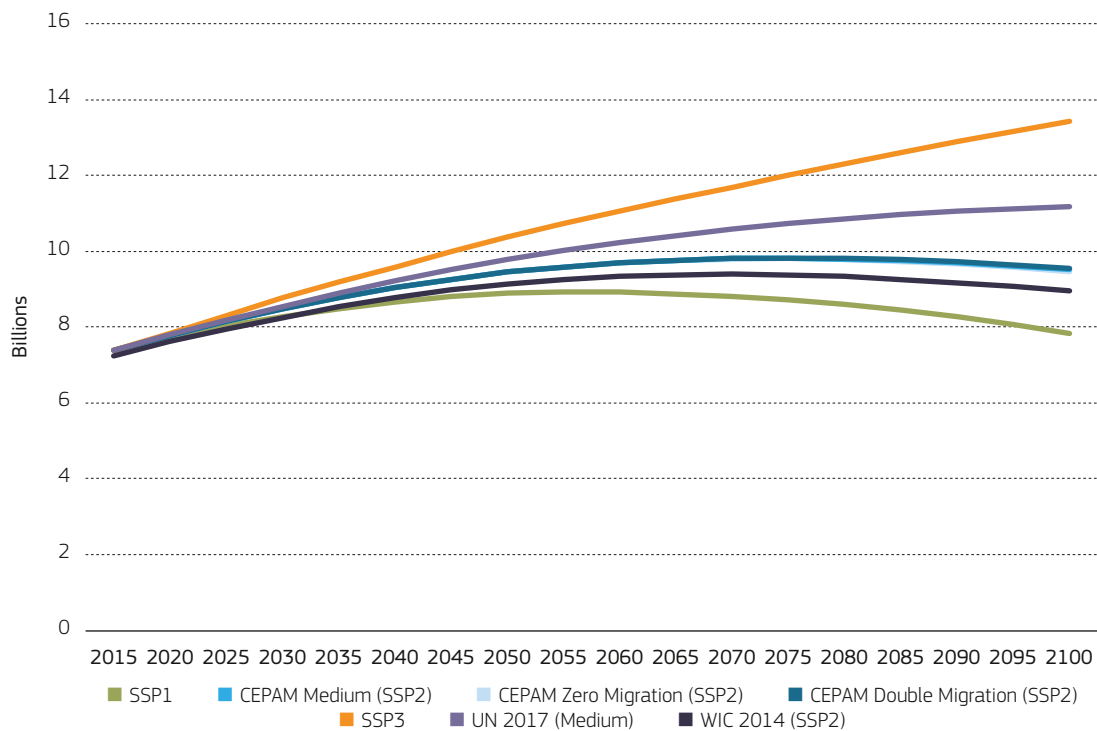
11.2 The end of world population growth

World population projections for the 21st century as produced by the United Nations Population Division and by the International Institute for Applied Systems Analysis (IIASA) have changed quite a bit over time as a function of different long-term fertility and mortality assumptions, and the incorporation of most recent observed empirical trends and analysis. In their most recent assessments, the UN (2017) projects continuous growth of world population for their medium variant, reaching more than 11 billion people by the end of the century. Whereas IIASA (Lutz et al., 2014) with its medium scenario (SSP2), projected a peak population of 9.4 billion in 2065-2075, followed by a slight decline to 9 billion by the end of the century (see Figure 11.1). This difference is mostly due to different methods of deriving long-term fertility assumptions for the different parts of the world, where the UN relies primarily on statistical extrapolation models and IIASA gives more weight to expert arguments and scientific reasoning.

The notion of an ‘end of world population growth’ was first introduced by an article in the pages of ‘Nature’ presenting the first set of fully probabilistic world population projections (Lutz et al., 2001). Based on empirical information up to the late 1990s, these projections showed a high probability (over two thirds) that world population would peak and then start to decline over the course of the 21st century. This was qualitatively not so different from the UN medium projection at the time, which also foresaw a levelling off of world population over the last decades of the century. The main difference centred around the level of assumed ultimate fertility, which for the UN was near replacement and for IIASA a bit lower. Subsequently, an unexpected stall in the fertility declines of some important African countries was observed, when around 2000-2005 fertility rates interrupted their earlier declines or even increased somewhat. While the exact measurement and explanation of this stall is still controversial, one hypothesis argues that it is a late

consequence of the interruptions in education increases of female cohorts born around 1980 in the wake of the so-called structural adjustment programmes (Goujon et al., 2015). More recently, demographic surveys show that the lowering trend has picked up again, which is also associated with the continued increase in education levels of young women for most African countries. But the assessment of these recent trends in Africa is one of the main reasons why the UN projections — based on an extrapolative model of the total fertility rates that does not consider the changing educational structure — results in higher assumptions of future fertility than the IIASA (Wittgenstein Centre) projections. The medium (SSP2) scenario from IIASA is based on the assumption that improvements in female education will continue, and result in a more rapid fertility decline.

Figure 11.1 shows the results of the new 2018 CEPAM assessment, which maintains the long-term fertility and mortality assumptions of the 2014 Wittgenstein Centre (WIC) assessment while using 2015 baseline data instead of the earlier 2010 baseline. For the new CEPAM Medium (SSP2) scenario the findings show world population will continue to increase until around 2070-2080 when it will reach a maximum of around 9.8 billion, before starting a slow decline to about 9.5 billion by the end of the century. This projected population increase for the CEPAM Medium (SSP2) scenario is higher than in the 2014 assessment, which uses the same long-term fertility and mortality assumptions. The main reason for this upward revision is that child mortality (particularly in Africa) declined more rapidly than was previously assumed by all international projections. In demographic terms, a decline in child mortality has the same effect on the number of surviving children as an increase in fertility does. Hence, already the starting population in 2015 was markedly higher than had been foreseen on the basis of the 2010 baseline used for the previous assessment. This unexpectedly rapid child mortality decline can be attributed to massive interventions by the international community as funded by the Global Fund for HIV/AIDS, Tuberculosis and Malaria as well as private donors such as the Gates Foundation. This decline in child mortality has also been documented elsewhere.

FIGURE 11.1: Comparison of different scenarios for world population growth over the 21st century (*Source:* own calculations)

The SSP3 scenario assumes stalled social development (lower female education and higher fertility rates for each education group) already reaches the 10 billion mark around 2045 and then continues to grow over the rest of the century, reaching 13.4 billion in 2100. According to the narrative underlying this scenario, the future world will be a very unpleasant and fragmented place with widespread poverty, rather high mortality and very weak adaptive capacity to already unavoidable climate change. This largely resembles a Malthusian reality as described above.

The SSP1 scenario assuming rapid social development results in markedly lower population growth, showing a peak population of around 8.9 billion in 2055–2060 and a decline to 7.8 billion by the end of the century. This is only a bit higher than the current estimated global population and the same as expected for 2020. In terms of the underlying narrative, this resembles a global development under which the sustainable development goals are met in most countries and significant progress in education and poverty reduction is made. As has been shown elsewhere (Abel et al., 2016) meeting the SDG4 (on education) and SDG3 (on health, including reproductive health) will help to bring the CEPAM Medium (SSP2) scenario closer towards the SSP1 scenario, in terms of curbing total world population growth.

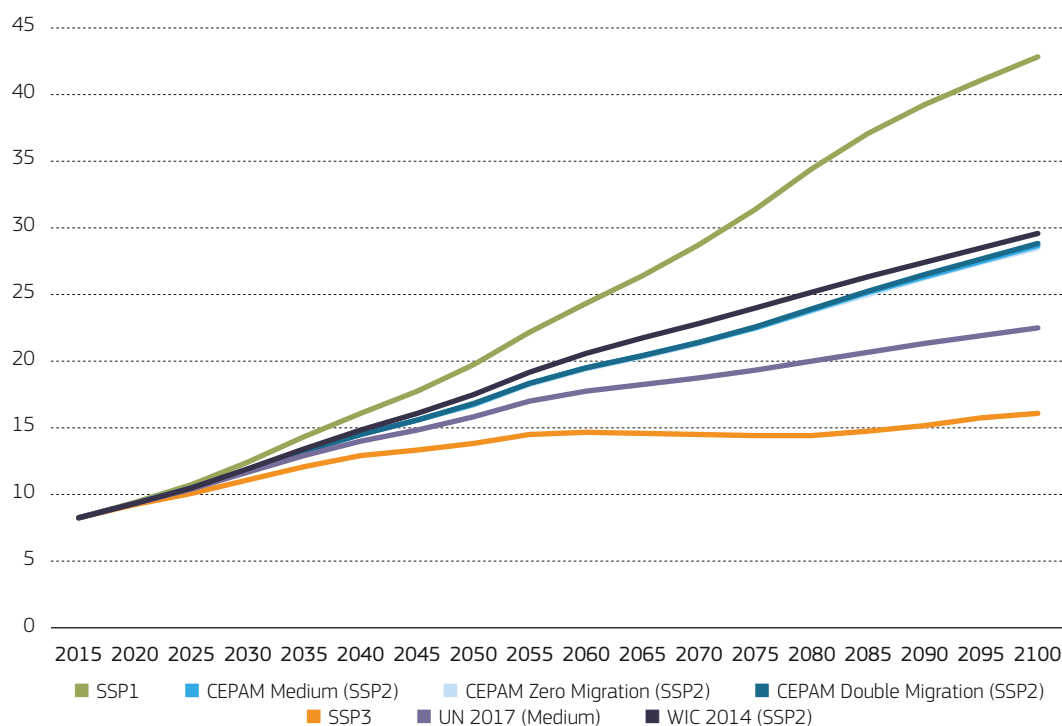
Finally, it is worth noting the three different migration assumptions that have been calculated as variants of SSP2 make virtually no difference at the global level.

Since there is no migration from outside the planet, the very minor differences that are seen result from the fact that migrants are assumed to experience the fertility and mortality conditions of the destination countries, which can be quite different from the countries of origin.

11.3 Global population ageing

Under all scenarios the world population will get significantly older as a consequence of low fertility rates and increasing life expectancy. In the CEPAM Medium (SSP2) scenario the proportion above age 65 increases from the current 8.3 % to 17 % by mid-century, and 29 % by 2100. Under the rapid social development scenario (SSP1), which assumes faster increases in life expectancy, the proportion of elderly reaches around 20 % mid-century and 43 % in 2100. The stalled development scenario (SSP3) on the other hand will see a much slower increase, reaching only 16 % by the end of the century.

As can be seen from Figure 11.2, the speed of population ageing implied by the CEPAM Medium (SSP2) scenarios is considerably stronger than that shown in the UN medium projections. This is the combined result of somewhat lower assumed fertility rates — as discussed above — and also more optimistic mortality assumptions in which life expectancy gains are not levelling off during the second half of the century.

FIGURE 11.2: Global trends in the proportion of the population above age 65 according to different scenarios (Source: own calculation)

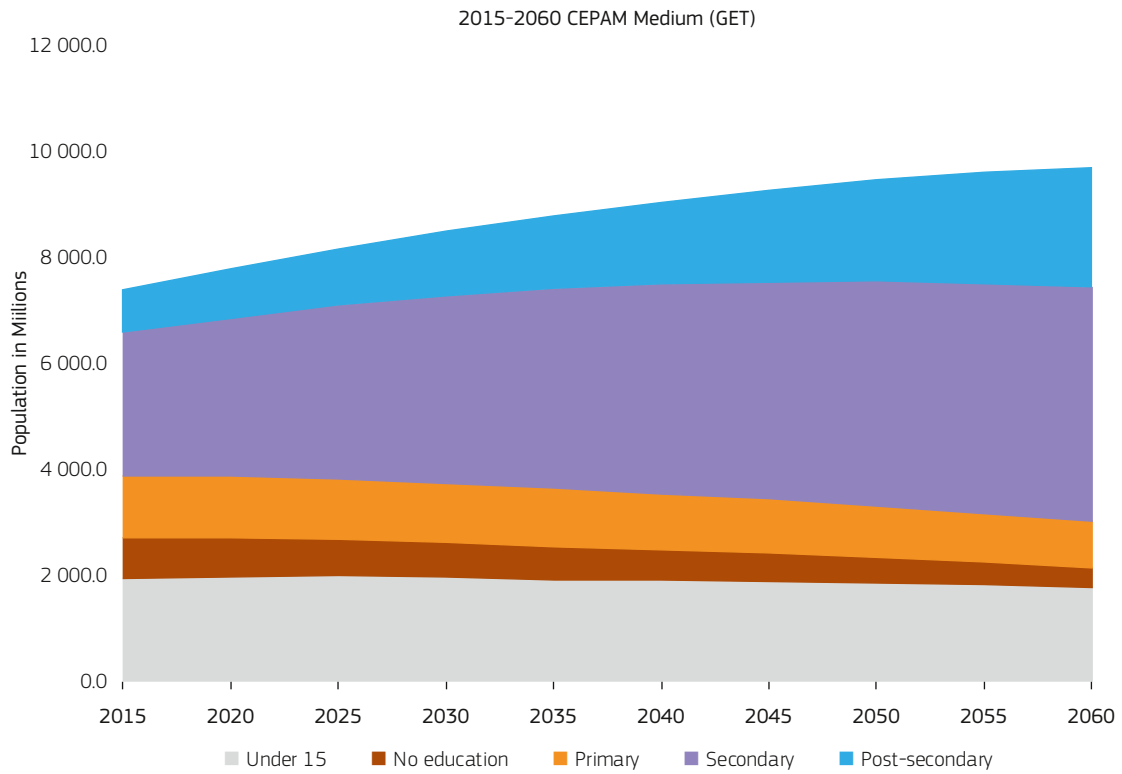
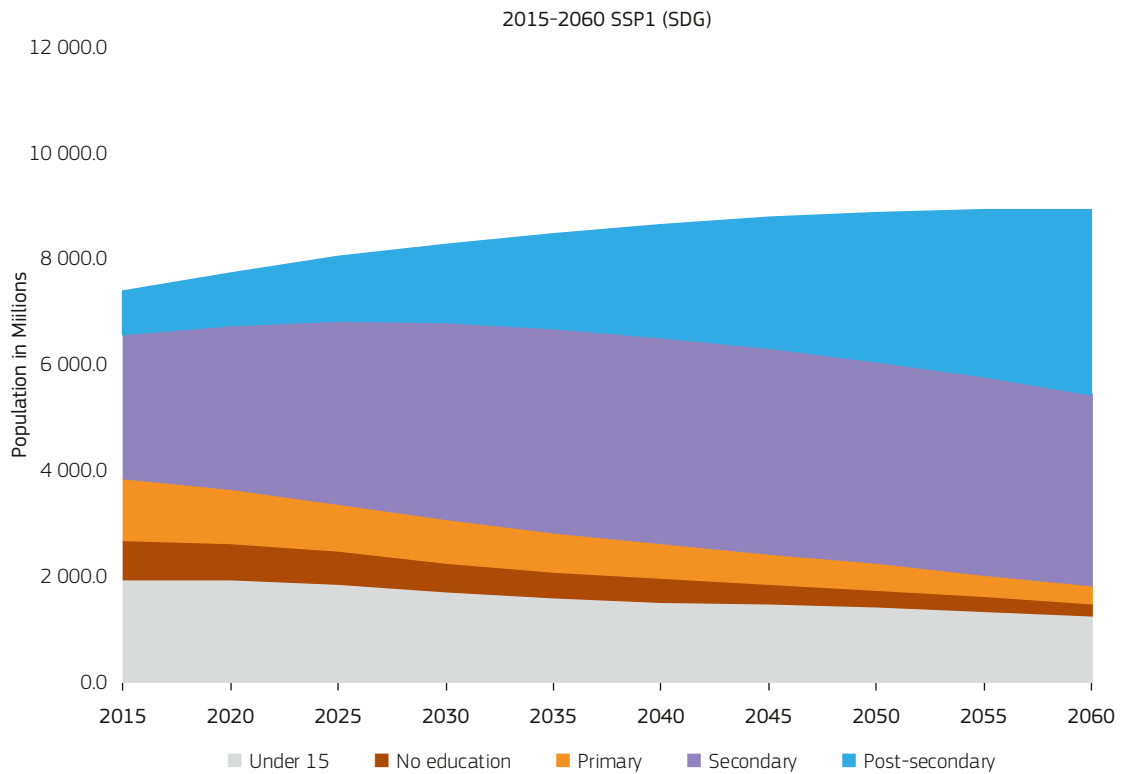
When interpreting these different scenario results in terms of changing proportions of the populations above the age of 65, one has to keep in mind that a cut-off point at age 65 is rather artificial and does not necessarily reflect a static notion of being 'old'. The typical 65-year old in the 1960s had a much worse health status than the average 65-year old today. Also in terms of remaining life expectancy, 65-year olds of today have many more years to expect. Changing health outlooks are reflected in the saying '70 is the new 60' for which there is a lot of evidence. Similarly, new indicators (Sanderson and Scherbov, 2005) show this change, such as the proportion of persons that have a remaining life expectancy of 15 or less years, an indicator that increases much more slowly than the proportion above age 65 plotted here.

A moving perception of old age also needs to be taken into account when making comparisons between the scenarios. SSP1 partly results in much more population ageing because it also assumes more rapid increases in life expectancy. And this is only likely to happen when, at the same time, disability-free life expectancy continues

to increase. Hence, when thinking about a world population at the end of the century with potentially 40 % of the population above age 65, we should not think in terms of the 65-year olds we know today. If such a scenario should indeed materialise, it could be expected that a majority of these people above age 65 would be not-so-elderly healthy and active people. But still, it will pose challenges to adapting existing institutions including systems of social security.

11.4 Global human capital

In terms of educational attainment by 2016, 10.3 % of the world population had no formal education at all and 10.9 % had some sort of post-secondary education. Under the CEPAM Medium (SSP2) scenario significant progress will happen, showing the proportion without any education declining to 5 % by mid-century and on to 1 % by 2100, while at the same time the proportion with post-secondary increases to 20 % and 38 % respectively. Under the rapid development (SSP1) scenario the proportion with post-secondary education increases to 32 % in 2050 and 65 % in 2100.

FIGURE 11.3: Population size by level of educational attainment, CEPAM Medium (SSP2) scenario (*Source: own calculations*)**FIGURE 11.4:** Population size by level of educational attainment, SSP1 scenario (*Source: own calculations*)

But further long-term progress in education is not guaranteed, despite the fact that in virtually all countries young generations are better educated than the older ones. As illustrated by the stalled development (SSP3) scenario, the combination of high population growth with no further schooling expansion can actually result in an increase of the proportion without any formal education from 10 % to 22 % by the end of the century. This scenario also shows a stall in the proportions with post-secondary education below 12 %. As has been discussed in previous regional chapters, this scenario will result in a greatly polarised world. While many countries of the contemporary developed world and emerging economies will continue to enjoy high levels of education, the African and South Asian populations may actually become less educated because school expansion will not be able to keep pace with the rapid population growth.

Viewed together these population and education scenarios clearly illustrate the possibility of two very different futures: (a) One resembling the Malthusian trap which is captured by the SSP3 scenario in which low education investments and continued high fertility in Africa and parts of South Asia reinforce each other and lock the world into a trap of very high population growth and poverty and low adaptive capacity to environmental change; (b) a fortunate situation captured by SSP1 in which these feedbacks result in a virtuous cycle of further strong improvements in education together with lower fertility and an end of world population growth and thus more healthy and wealthy people who are better empowered to adapt to already unavoidable environmental changes.

Whether the world drifts off to one of these two opposing extremes, or ends up somewhere in the middle, will depend largely on policy choices made over the coming years.

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CHAPTER 12

Summary and conclusions



12 Summary and conclusions

Daniela Ghio, Nikolaos Stilianakis and Wolfgang Lutz

12.1 Introduction

This volume presents the 2018 assessment of global population scenarios by age, sex and level of educational attainment for 201 countries to the end of the 21st century. It gives an update of the scenarios presented in the 2014 Oxford University Press book entitled 'World population and human capital in the 21st Century' (Lutz et al., 2014), which includes the most comprehensive summary of different possible scientific arguments underlying the assumptions of future fertility, mortality, migration and education trends in different parts of the world. The book was based on the contributions of 46 authors, 62 participants in expert meetings on five continents and online assessments of alternative arguments by over 550 population experts from around the world.

While the 2014 volume was based on empirical baseline data from 2010, this new assessment has a 2015 baseline which also includes a lot of new empirical information from the 2010/2011 round of censuses. For the new population and education scenarios presented here the mid- and long-term assumptions as described and justified in the 2014 book have been maintained and only minor adjustments have been made, mostly to make near-term assumptions consistent with the new baseline data. In other words, the aim of this work was to update the global demographic trends using the latest international demographic data to draw the big picture of the range of different possible future population trends.

By providing population scenarios, that explicitly consider educational attainment distributions in addition to the conventional age- and sex-distributions and take account of the marked differences in fertility and mortality rates by level of education, these population projections are different from most other sets of existing international population projections. A specific additional motivation for this new assessment was the comprehensive study of the demographic pull- and push factors that are likely to drive future international migration trends, a project jointly carried out by JRC and IIASA (CEPAM, Centre for Population and Migration).

The demographic scenarios presented here follow the broader narratives of the shared socioeconomic pathways (SSPs) that have been defined over the past years in a joint effort of global integrated assessment and climate change modellers. The volume shows

the population component of three of these different pathways that span a broad range of possible futures for 201 countries:

CEPAM-SSP2, a medium development scenario, foresees that fertility and mortality follow a medium pathway that can be seen as most likely from today's perspective. With respect to future migration, they are combined with three sets of different assumptions: a *zero migration scenario* which assumes zero in- and out-migration rates; the *medium migration scenario* which assumes that the in- and out-migration rates as observed over the past 60 years for each country remain constant; and a *double migration scenario* which assumes twice the level of these in- and out-migration rates. These alternative scenarios are not necessarily realistic but should rather serve as benchmarks to understand the role of migration as a driver of future population trends.

SSP1, the most optimistic scenario, foresees rapid increases in life expectancy, a faster fertility decline in high fertility countries and an education expansion path that follows the education goals set by the Sustainable Development Goals (SDGs). Since these goals of universal secondary education by 2030 are extremely ambitious for some of the least developed countries, the results may not necessarily be considered likely. Higher education plays a key role in accelerating the demographic transition globally, further reducing fertility and mortality rates.

SSP3, a pessimistic scenario of stalled development with a world divided into those who have and those who lack educational opportunity, foresees a stall in educational expansion in developing countries as well as continued high fertility and high mortality. This is a scenario of very high population growth in countries where fertility rates are still high today.

A multidimensional model of population dynamics is applied to project the population changes by age, sex and level of education. It is based on modelling the typical age patterns of mortality, fertility and migration as is standard in demographic forecasting. The model of future education transitions is made easier by the fact that they can only go in one direction (from lower to higher) and are typically concentrated at a young age.

In the following discussion of main findings from these projections, we first focus on the global level results and then on findings by world regions. The scenarios are enriched by a fourth demographic dimension, labour force participation, which can provide statistical evidence to inform the policy debate on a *European need of migration* for demographic reasons.

12.2 Changing world population size

SSP2 — In the CEPAM Medium (SSP2) scenario, world population would continue to increase until around 2070-2080 when it would reach a maximum level of around 9.8 billion before starting a slow decline, reaching about 9.5 billion by the end of the century. This projected increase is higher than in the above-mentioned 2014 world population and human capital assessment which uses the same long-term fertility and mortality assumptions. A reason for this lies in the fact that child mortality (particularly in Africa) declined more rapidly than was previously assumed by all international projections. In demographic terms, a decline in child mortality has the same effect on the number of surviving children as an increase in fertility. Hence, already the population baseline of 2015 was markedly higher than had been projected on the basis of the 2010 baseline, which was used in the previous assessment. This unexpected rapid child mortality decline can likely be attributed to massive interventions by the international community as spearheaded by the Global Fund for HIV/AIDS, Tuberculosis and Malaria as well as the Gates Foundation.

SSP1 — Assuming rapid social development, in particular a rapid expansion of education following the SDGs, world population would after a further increase start to decrease, showing a peak population of around 8.9 billion in 2055-2060 and a decline to 7.8 billion by the end of the century. This is just a little higher than the population estimated in 2015 and the same population as expected for 2020.

SSP3 — Assuming stalled social development and thus lower female education and higher fertility rates for each education group, world population already reaches the 10 billion mark around 2045 and then continues to grow over the rest of the century, reaching 13.4 billion in 2100. This scenario is also likely to be associated with widespread poverty and weak resilience to already unavoidable environmental change.

12.3 Population size by world regions according to the CEPAM Medium (SSP2) scenario

The projected population size of EU-28 in 2060 is very close to the current baseline of 2015, namely around 507 million inhabitants. However, the trajectory of change would have a convex shape reaching a maximum 512 million people around the year 2035. While the initial increase is a mostly a consequence of assumed immigration to the EU, the following decline results from persistent sub-replacement fertility levels which will have developed a negative growth momentum trough and age structure with fewer young people. Migration within the EU will also leave its mark on relative population sizes. In Eastern and Southern Europe, the population would mainly decrease: Eastern Europe would lose about 10 % of its population, from 202 million in 2015 to 183 million in 2060.

The population of the Middle East and North Africa (MENA) would under the CEPAM Medium (SSP2) scenario exceed 728 million in 2060, representing a 59 % increase for the whole region in comparison to the year 2015. MENA populations would rise faster than the global average, driven largely by increasing numbers of people in reproductive age. The sub-Saharan Africa region, that currently has the highest population growth in the world, would more than double from currently about 1 billion to more than 2 billion in 2060: in the vast majority of countries in this region, the populations are projected to double or increase even faster.

East Asia's population would decline from around 1.6 billion in 2015 to 1.4 billion in 2060: China's population would be 200 million lower in 2060 (1.2 billion) than in 2015 (1.4 billion). In Southern Asia under this CEPAM Medium (SSP2) scenario the population would continue to grow over the coming decades and peak around 2065: India's population would be 31 % larger in 2060 than in 2015 (peaking in 2065 at about 1.71 billion) and Pakistan would have 74 % more people (peaking only around 2090 at 353 million). The populations of the Association of Southeast Asian Nations (ASEAN) would continue increasing; peaking around the year 2055 at about 760 million.

The population of Latin America (LAC) would increase from 632 million in 2015 to around 778 million in 2060, and after peaking in the middle of this century, population under the CEPAM Medium (SSP2) scenario would decline to 692 million in 2100. North America and Oceania are likely to show continuous moderate population increase mostly driven by migration over the next half century.

12.4 Changing population structures

Under all scenarios the world population would get significantly older as a consequence of low fertility rates and increasing life expectancy.

SSP2 — In the medium scenario the proportion above age 65 increases from currently 8.3 % to 17 % by mid-century and 29 % by 2100.

SSP1 — Under the rapid social development scenario and assuming faster increases in life expectancy and lower fertility in today's high fertility countries, the proportion of elderly increases much more rapidly reaching around 20 % in mid-century and 43 % in 2100.

SSP3 — The stalled development scenario on the other hand results in a much slower increase in the proportion above age 65, reaching only 16 % by the end of the century.

Regional ageing trends under the CEPAM Medium (SSP2) scenario will experience continuous population ageing under the medium scenario and for a broad range of ageing indicators.

In 2015, half of the population of EU-28 was at least 43 years old (median age), but in 2060, 50 % of the population would be at an age above 50 years of age

By 2060, Eastern European and the Western Balkan populations would be older (and their share of elderly would be higher) than the EU-28 populations. In 2015, the share of elderly stood at 13 % in the Russian Federation whereas the same share of population is around 19 % in the EU-28. Under the SSP2 scenario, in 2060, the Russian population would still have a bit lower share of elderly (28 %) as compared to the European (as whole) one (which would be around 32 %). This difference is partly due to a lower life expectancy that would be experienced by the Russian population.

In the MENA region the total dependency ratio (population under age 15 and age 65 or older divided by the population 15–64) changes only marginally from 55 % in 2015 to a proportion of 57 % in 2060, but its composition changes considerably: the older component (age 65 or older) would quintuple while the younger component (under age 15) would decrease as a function of lower birth rates. In sub-Saharan countries, the proportion of the population aged 0–14 years would decline under the CEPAM Medium (SSP2) scenarios from 43 % in 2015 to 27 % in 2060. The share of the working

age population (15–64 years) is projected to increase over the coming decades in all sub-regions with the percent change in the share of this age group ranging from 4.7 % (Southern Africa) to 31 % (Middle Africa) between 2015 and 2060. Sub-Saharan Africa under the SSP2 scenarios will be the world region least affected by population ageing, as the percentage of people above age 65 would only increase from 3 % in 2015 to less than 9 % in 2060. This, of course, happens in the context of massive population growth.

Due to deeply rooted cultural preferences for sons several Asian countries have a skewed sex ratio at birth and consequently a large surplus of young men. In 2015, an estimated 5.4 million women aged 15–34 were 'missing' in China and nearly 7.4 million in India. This number is estimated to increase to over 12.1 million in India and 13.1 million in China in 2030, as cohorts with the most skewed sex ratios (born in 1996–2015) enter prime reproductive ages.

The Latin American region will also experience accelerated population ageing over the coming decades. While the young population (0–14) under SSP2 will decline from 29 % to 16 % of the total population, the share of the older population (65+) would increase steadily over the period 2015–2100, with an increase from 8 % in 2015 to 24 % in 2060. In North America and Oceania, as a consequence of the past decline in fertility and the ongoing increase in life expectancy, the old age dependency ratio is expected to increase continuously.

12.5 Changing education composition of the population

In terms of educational attainment, in 2015 10.3 % of the world population had no formal education at all and 10.9 % had some type of post-secondary education. Hence, these two extreme groups were roughly of equal size.

SSP2 — Under the CEPAM Medium (SSP2) scenario, significant progress would happen, with the proportion without any education declining to 5 % by mid-century and to 1 % by 2100 while at the same time the proportion with post-secondary would increase to 20 and 38 % respectively.

SSP1 — Under the rapid development scenario, the proportion with post-secondary education would increase to 32 % in 2050 and 65 % in 2100. This is a very optimistic scenario assuming that the highly ambitious education targets of the SDGs will be met. But even further, long-term progress in education cannot be

taken for granted, despite the fact that today in virtually all countries the young generations are better educated than older ones.

SSP3 — As shown by the stalled development scenario, the combination of high population growth with no further schooling expansion could result in an increase of the proportion without any formal education from 10 to 22 % by the end of the century. This scenario also shows a stall in the proportions with post-secondary education below 12 %.

Regional trends in human capital according to the CEPAM Medium (SSP2) scenario

Further investments in human capital in EU Member States would significantly increase the average educational attainment of the population. In 2015, there were around 30 % of people with at least post-secondary education among the population above age 25. By 2060, around half of the population will reach this level of educational attainment under the SSP2 scenario. In 2015, there were significant differences in educational attainment both between countries and within countries between younger, better educated and older, less educated cohorts. The adult populations of men and women have roughly comparable levels of education, but because of higher enrolment of women in higher education levels, over time adult women will be better educated than men. In 2060 the projections show 55 % of women with post-secondary education as compared to 47 % for men.

Looking at the post-secondary education among the population aged 25+, Eastern Europe's share (26 %) was comparable to the average (29 %) in 2015. The value was lower in the Western Balkan region (around 18 %). In sub-regions with already highly-educated populations, the main future change would concern further increases in the share of post-secondary educated: in Eastern Europe, 51 % population aged 25-39 would have attained a post-secondary degree in 2060. Similar to the sub-regions with already highly-educated populations, in Eastern Europe and the Western Balkans more women than men in the age group 25-39 had a post-secondary education in 2015 (100 women for 70 men). The projections show that the female advantage in post-secondary education would persist in Western Europe and would become more pronounced in the Western Balkans (100 women for 60 men).

In North Africa under the CEPAM Medium (SSP2) scenario, by 2060, 77 out of 100 adults (aged 15+) will have an upper or post-secondary education with the share with a post-secondary education being 38 %. The proportion of the population with no formal education declines to less

than 5 % in all countries of North Africa. In the Middle Eastern countries, 64 out of 100 adults will have upper secondary or higher education, whereas 6 % would have no formal education. In sub-Saharan Africa, educational attainment is expected to increase over time for all sub-regions but it would still remain lower than educational attainment in other continents. The percentage of population 25+ that has no education would drop from 12 % in 2015 to 5 % in 2060.

Educational attainment varies greatly across the Asian countries, ranging from Japan, which is the front-runner country in educational expansion (with on average 13 years of schooling among the population 25+ in 2015) to Afghanistan, which is the least educated country in Asia (Afghanistan ranks 13th from the bottom globally with a mere 2.5 years of schooling in 2015). South Asia is the least educated region of Asia with its adult population having on average 5.8 years of schooling in 2015, which places it right above the average for the sub-Saharan Africa (5.3 years). China is rapidly catching up with the other highly educated countries in East Asia and is expected to reach in 2060 11.7 mean years of schooling.

Educational attainment levels of the Latin American population would improve significantly over the next years. The number of people with no education would decrease continuously and by the end of this century almost all people in the region would have received at least some level of education. By 2060, around 160 million Latin Americans, aged 25 years and over (about 28 %) would have a post-secondary education.

In North American and Oceania countries, a rapid increase in the proportion of the working age population with post-secondary education is projected. Results also highlight increasing human capital of the workforce population. The working age population without post-secondary education would decline, while the population with post-secondary education would increase, particularly in the United States and in Oceania.

12.5 Migration and labour force projections in the EU

In the European Union, migration will have a significant impact not only on the population size but also on age structure and the educational composition. Generally, mobility inside is likely to reduce the size of population in east European countries and will accelerate the ageing population of those countries; international migration would rejuvenate and increase populations of the economically attractive European countries.

Projection results show that even doubling migration would only slightly improve the labour force dependency ratio, without altering the general trend toward higher dependency as a consequence of strong population ageing. Only when combined with increases in labour force participation rates could this gains be stopped. Whether the projected changes in populations' age-composition moves towards higher ages and the shrinkage of what is typically referred to as working-age population does entail a shrinking labour force, will depend on how age-specific labour force participation rates — particularly of persons aged between 50 and 70 and of women — will develop in the next decades. In addition, it can be expected that the human capital of future workers of any age will be higher than today which is also likely to enhance productivity of workers.

At this point it should also be stressed that the migration scenarios presented here are only based on 'naïve' migration assumptions keeping the rates as observed over the past decades constant or at double that level, without making more detailed assumptions on the specific directions of flows or the composition of migrants by level of education and labour force participation. Such, much more detailed alternative assumptions will be made during the next phase of the CEPAM analysis which will also use micro-simulation models to assess the integration potentials of alternative migration streams.

12.6 At the crossroads

The long-term population and human capital scenarios for all countries of the world presented in this volume clearly show that the future trends are still undetermined within certain bounds. In the near term, future demographic changes are to a large extent a given in terms of population age structures resulting from past fertility, mortality and migration trends. With an already given cohort size (how many people were born x years ago) and typically only very slowly changing mortality rates, migration is the only volatile component of population change that can also be influenced by policies in the short-medium term.

But in the longer run, all components of demographic change can be influenced. Aside from policies trying to directly influence fertility and mortality, here we have shown that, indirectly, policies that aim at enhancing education can also have important consequences in terms of reducing high fertility rates and improving longevity. And the changing educational composition of the population also matters greatly for the social and economic consequences of population trends. What

matters for economic growth is less the sheer number of people or their age structure, but their human capital in terms of skills, health and labour force participation. Only these different demographic dimensions viewed together in the long term allow a comprehensive assessment of the social and economic implications of alternative demographic trends.

At the global level, the growth of world population on a limited planet also gives rise for concerns about the impact of increasing human numbers and their consumption of our human life support systems. But more people are not only one of the factors contributing to the ecological footprint, they also constitute a moral obligation in terms of mouths to be fed, more basic needs to be met and basic services to be provided. And it implies more people being vulnerable to already unavoidable climate change and other environmental threats, in particular if these people are poor and only possessing low levels of education. Here again education plays a key role as one of the most important factors for reducing vulnerability, empowering people to escape poverty and motivating them to have fewer children with more investment in each child.

The scenarios presented in this volume also show that we as humanity are at the crossroads, yet to choose between very different futures in terms of world population, human capital and broader development.

SSP3 shows a future in which low education investments and continued high fertility in Africa and parts of South Asia reinforce each other and lock the world into a trap of very high population growth and poverty and high vulnerability.

SSP1 shows how these feed-backs among population, education and development can also result in further improvements in education accompanied by lower fertility leading to a gradual decline of world population growth and thus more healthy and wealthy people. The world under this scenario would be better empowered to make poverty history and adapt to already unavoidable environmental changes.

Clearly, there are many shades between these two extremes and it may also be the case that some populations choose to go in one direction and others in another. But in the end, we all share the same planet and in a time of globalisation, trends in one part of the world cannot be without consequences for all the others. There are many mechanisms that link the different parts of the world, migration being one that will likely gain more and more importance in the near future.

APPENDIX 1:

Tables with detailed results of projections for each of the EU-28 countries

Austria

Detailed Human Capital projections to 2060

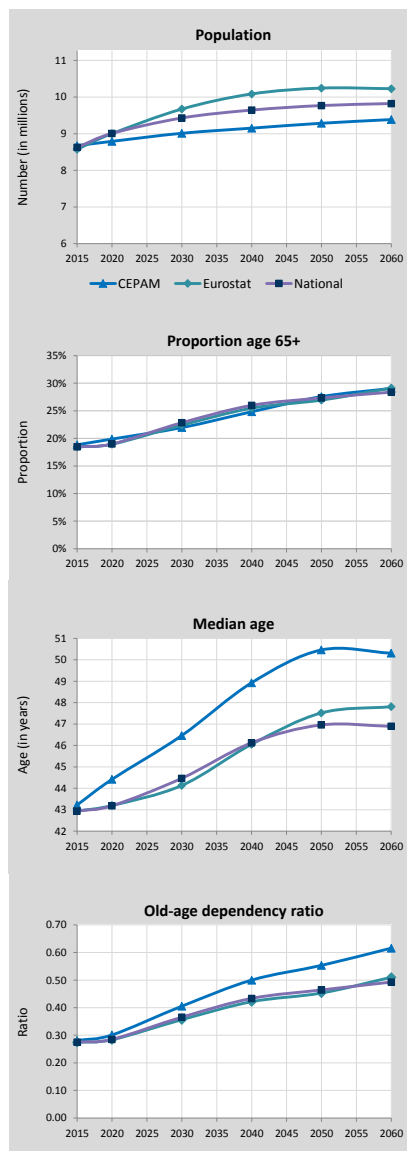
Comparison of CEPAM projections with other sources

Demographic indicators - CEPAM Medium Scenario (SSP2), Eurostat and national projections		2015	2020	2030	2040	2050	2060
Population (in millions)	CEPAM	8.68	8.79	9.01	9.15	9.29	9.39
	Eurostat	8.58	9.01	9.68	10.09	10.25	10.23
	National	8.63	9.01	9.43	9.65	9.77	9.83
Proportion age 65+	CEPAM	18.8%	19.9%	22.0%	24.8%	27.6%	29.1%
	Eurostat	18.5%	18.9%	22.4%	25.5%	26.9%	29.1%
	National	18.5%	19.0%	22.8%	26.0%	27.3%	28.4%
Proportion below age 20	CEPAM	19.4%	18.9%	18.7%	17.6%	16.9%	17.3%
	Eurostat	19.6%	19.2%	19.5%	19.2%	18.4%	18.5%
	National	19.6%	19.4%	19.6%	19.2%	18.7%	18.9%
Median age	CEPAM	43.2	44.4	46.5	48.9	50.5	50.3
	Eurostat	42.9	43.2	44.1	46.1	47.5	47.8
	National	42.9	43.2	44.5	46.1	47.0	46.9
Old-age dependency ratio (65+/15-64)	CEPAM	0.28	0.30	0.41	0.50	0.55	0.62
	Eurostat	0.27	0.28	0.36	0.42	0.45	0.51
	National	0.27	0.29	0.37	0.43	0.46	0.49
Young-age dependency ratio (0-14/15-64)	CEPAM	0.21	0.21	0.23	0.22	0.22	0.24
	Eurostat	0.21	0.21	0.23	0.23	0.23	0.24
	National	0.21	0.22	0.24	0.23	0.23	0.24
Parent support ratio (85+/50-64)	CEPAM	0.13	0.12	0.19	0.25	0.40	0.55
	Eurostat	0.12	0.12	0.18	0.21	0.29	0.37
	National	0.12	0.12	0.17	0.22	0.32	0.39

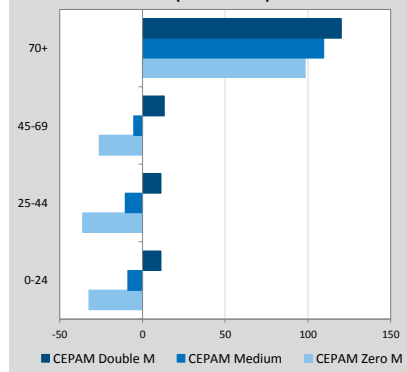
Demographic assumptions underlying projections		2010-2015	2015-2020	2025-2030	2035-2040	2045-2050	2055-2060	
Total fertility rate	CEPAM	1.46	1.48	1.50	1.54	1.58	1.60	
	Eurostat	1.48	1.50	1.52	1.55	1.58	1.61	
	National	1.49	1.51	1.52	1.55	1.57	1.58	
Life expectancy at birth (in years)	Male	CEPAM	79.5	80.6	81.6	83.8	86.0	88.1
		Eurostat	79.4	80.2	81.0	82.3	83.7	84.9
		National	79.5	80.5	81.4	83.2	84.8	86.3
Female	CEPAM	84.2	85.3	86.3	88.5	90.6	92.7	
	Eurostat	84.1	84.9	85.5	86.7	87.9	89.0	
	National	84.3	85.1	85.9	87.4	88.7	89.9	
Five-year net migration flow (in thousands)	CEPAM	117.0	128.6	139.3	158.6	174.9	187.0	
	Eurostat	404.9	326.5	296.5	186.1	152.5	129.8	
	National	344.7	217.8	160.7	130.7	124.1	124.2	

Changes in population size and structure according to CEPAM scenarios (impact of migration)

Population size according to CEPAM projections to 2060		2015	2020	2030	2040	2050	2060
Population (in millions)	Zero M	8.68	8.67	8.57	8.31	7.97	7.53
	Medium	8.68	8.79	9.01	9.15	9.29	9.39
	Double M	8.68	8.92	9.45	9.95	10.48	11.01
Population 0-24 (in millions)	Zero M	2.23	2.09	1.97	1.80	1.61	1.51
	Medium	2.23	2.13	2.11	2.07	2.01	2.03
	Double M	2.23	2.17	2.25	2.31	2.36	2.48
Population 25-44 (in millions)	Zero M	2.32	2.26	1.99	1.67	1.60	1.48
	Medium	2.32	2.33	2.22	2.02	2.06	2.08
	Double M	2.32	2.41	2.44	2.33	2.46	2.58
Population 45-69 (in millions)	Zero M	2.93	3.02	3.02	2.76	2.50	2.17
	Medium	2.93	3.04	3.10	2.98	2.92	2.78
	Double M	2.93	3.05	3.17	3.19	3.31	3.32
Population 70+ (in millions)	Zero M	1.19	1.29	1.59	2.08	2.25	2.37
	Medium	1.19	1.30	1.59	2.09	2.30	2.50
	Double M	1.19	1.30	1.60	2.11	2.35	2.63

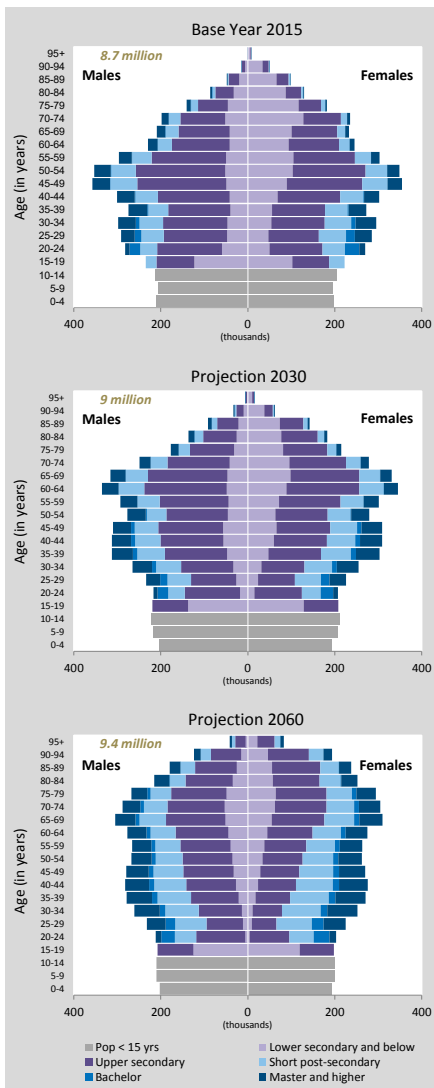


Change in population size between 2015 and 2060 (in % of 2015)



Austria (Continued)

Pyramids by education, CEPAM Medium

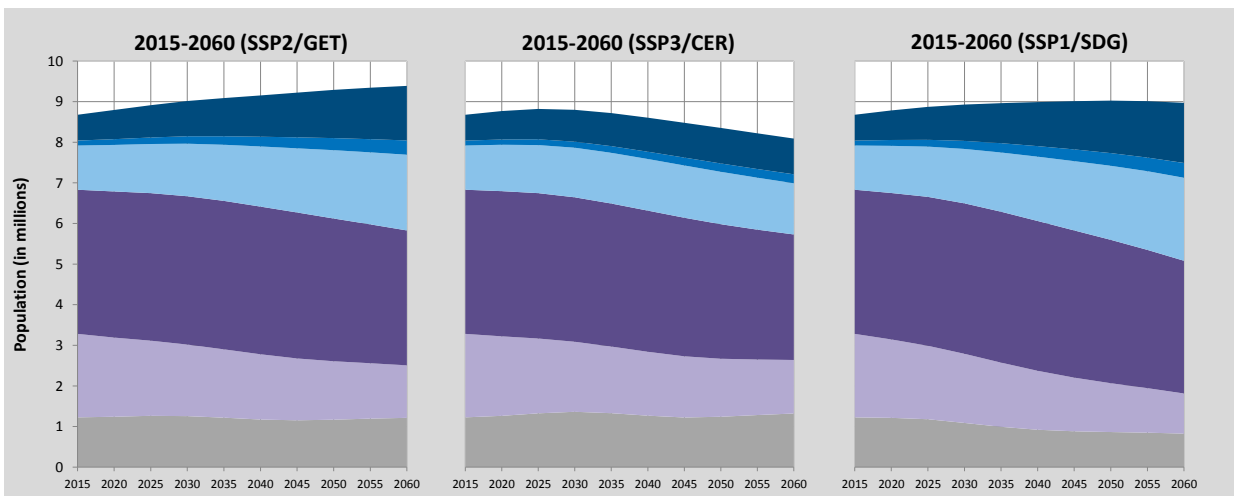


Detailed Human Capital projections to 2060

Human Capital indicators, CEPAM Medium (SSP2)

	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1-E4 - lower secondary and below	26.7%	24.7%	21.2%	18.5%	16.2%	14.1%
E5 - upper secondary	48.2%	47.9%	47.1%	45.5%	43.1%	40.2%
E6 - short post-secondary	14.5%	15.6%	17.5%	19.5%	21.7%	23.9%
E7 - bachelor	1.0%	1.4%	1.9%	2.5%	3.2%	3.9%
E8 - master and higher	9.5%	10.5%	12.3%	14.0%	15.9%	17.9%
Mean years of schooling (in years)	11.43	11.63	11.98	12.27	12.54	12.80
Age gap: highest educational attainment (ratio 35-44/50-64)						
E1-E4 - lower secondary and below	0.72	0.82	0.86	0.69	0.61	0.55
E5 - upper secondary	0.95	0.88	0.86	0.93	0.92	0.88
E6 - short post-secondary	1.28	1.20	1.21	1.26	1.25	1.25
E7 - bachelor	6.03	11.77	7.18	1.59	1.26	1.25
E8 - master and higher	1.66	1.58	1.28	1.22	1.26	1.25
Mean years of schooling (35-44 minus 50-64)	0.91	0.64	0.50	0.75	0.91	0.93
Gender gap (population age 25+; highest educational attainment (ratio male/female))						
E1-E4 - lower secondary and below	0.53	0.56	0.62	0.69	0.77	0.85
E5 - upper secondary	1.27	1.24	1.19	1.17	1.18	1.19
E6 - short post-secondary	1.16	1.11	1.04	0.97	0.93	0.90
E7 - bachelor	0.90	0.92	0.92	0.90	0.88	0.87
E8 - master and higher	1.32	1.23	1.11	1.01	0.95	0.90
Mean years of schooling (male minus female)	1.09	0.92	0.61	0.33	0.12	-0.04
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1-E4 - lower secondary and below	18%	17%	12%	8%	6%	4%
E5 - upper secondary	43%	42%	42%	39%	35%	31%
E6 - short post-secondary	20%	21%	24%	27%	30%	33%
E7 - bachelor	6%	6%	7%	8%	9%	10%
E8 - master and higher	12%	13%	15%	17%	19%	21%
Mean years of schooling (in years)	12.45	12.52	12.91	13.25	13.60	13.87
Age gap among women: highest educational attainment (ratio 35-44/50-64)						
E1-E4 - lower secondary and below	0.65	0.70	0.72	0.63	0.57	0.52
E5 - upper secondary	0.97	0.88	0.86	0.93	0.88	0.84
E6 - short post-secondary	1.49	1.37	1.26	1.27	1.29	1.27
E7 - bachelor	5.78	12.17	7.95	1.63	1.29	1.27
E8 - master and higher	2.01	1.91	1.47	1.27	1.29	1.27
Mean years of schooling (35-44 minus 50-64)	1.79	1.35	1.09	1.15	1.31	1.29

Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG



Colour legend as in pyramids above

Education scenarios

SSP2/GET : Global Education Trend Scenario (Medium assumption)

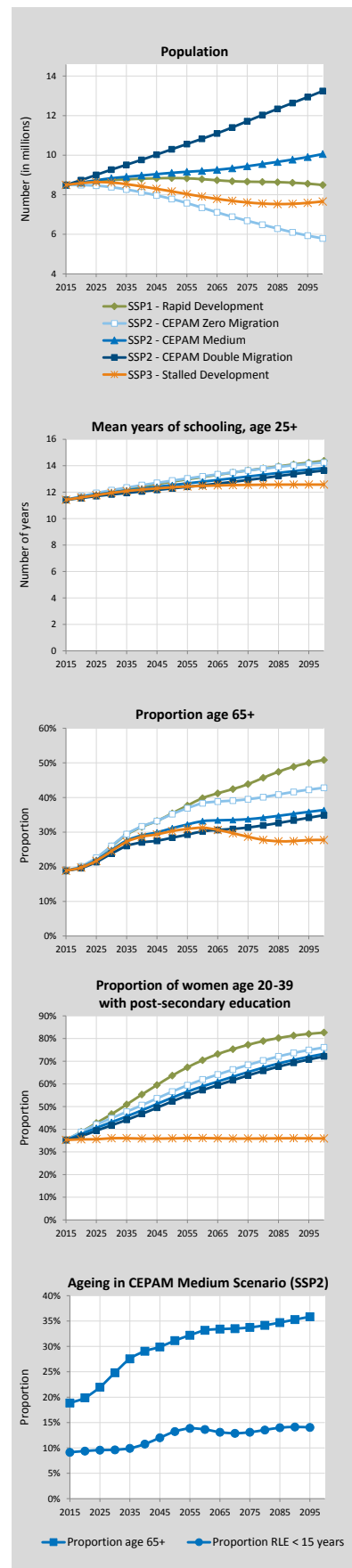
SSP3/CER : Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG : Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

Austria (Continued)

Alternative scenarios to 2100

Projection results by scenario (SSP1-SSP3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	8.68	8.78	8.93	9.03	8.97	8.84	8.68
SSP2 - CEPAM Zero Migration	8.68	8.67	8.57	7.97	7.53	6.87	5.97
SSP2 - CEPAM Medium	8.68	8.79	9.02	9.29	9.39	9.62	10.24
SSP2 - CEPAM Double Migration	8.68	8.92	9.45	10.48	11.01	11.90	13.43
SSP3 - Stalled Development	8.68	8.77	8.80	8.35	8.09	7.79	7.84
Proportion age 65+							
SSP1 - Rapid Development	18.8%	20.1%	25.9%	35.5%	39.8%	43.9%	50.8%
SSP2 - CEPAM Zero Migration	18.8%	20.1%	26.0%	35.2%	38.4%	39.5%	42.8%
SSP2 - CEPAM Medium	18.8%	19.9%	24.8%	31.1%	33.2%	33.7%	36.4%
SSP2 - CEPAM Double Migration	18.8%	19.6%	23.8%	28.4%	30.2%	31.3%	34.9%
SSP3 - Stalled Development	18.8%	19.8%	24.5%	30.3%	31.3%	28.7%	27.7%
Proportion below age 20							
SSP1 - Rapid Development	19.4%	18.6%	17.0%	13.1%	12.6%	11.5%	10.4%
SSP2 - CEPAM Zero Migration	19.4%	18.8%	18.3%	15.7%	15.9%	15.4%	15.0%
SSP2 - CEPAM Medium	19.4%	18.9%	18.7%	16.9%	17.3%	17.1%	16.8%
SSP2 - CEPAM Double Migration	19.4%	18.9%	19.0%	17.7%	18.0%	17.7%	17.1%
SSP3 - Stalled Development	19.4%	19.2%	20.2%	19.8%	21.4%	22.3%	23.4%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	35.3%	38.8%	46.6%	63.6%	70.4%	77.2%	82.6%
SSP2 - CEPAM Zero Migration	35.3%	38.8%	44.9%	56.6%	61.9%	68.4%	76.1%
SSP2 - CEPAM Medium	35.3%	37.8%	43.1%	53.9%	58.9%	65.2%	73.2%
SSP2 - CEPAM Double Migration	35.3%	36.9%	41.7%	52.3%	57.3%	63.7%	72.1%
SSP3 - Stalled Development	35.3%	35.5%	36.0%	35.9%	36.1%	35.9%	35.9%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	11.4	11.6	12.0	12.8	13.1	13.6	14.4
SSP2 - CEPAM Zero Migration	11.4	11.7	12.2	12.9	13.2	13.6	14.2
SSP2 - CEPAM Medium	11.4	11.6	12.0	12.5	12.8	13.2	13.8
SSP2 - CEPAM Double Migration	11.4	11.6	11.8	12.3	12.5	12.9	13.6
SSP3 - Stalled Development	11.4	11.6	11.9	12.4	12.5	12.6	12.6
Demographic assumptions underlying SSPs							
	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.36	1.27	1.19	1.18	1.20	1.22	1.23
SSP2 - CEPAM Zero Migration	1.46	1.48	1.53	1.59	1.61	1.63	1.65
SSP2 - CEPAM Medium	1.46	1.48	1.53	1.59	1.61	1.63	1.65
SSP2 - CEPAM Double Migration	1.46	1.48	1.53	1.59	1.61	1.63	1.65
SSP3 - Stalled Development	1.57	1.70	1.88	2.06	2.10	2.14	2.18
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	84.7	86.3	89.4	95.7	98.8	103.5	109.6
SSP2 - CEPAM Zero Migration	84.2	85.3	87.4	91.8	93.9	97.2	101.5
SSP2 - CEPAM Medium	84.2	85.3	87.4	91.7	93.8	97.0	101.3
SSP2 - CEPAM Double Migration	84.2	85.2	87.4	91.6	93.7	96.9	101.2
SSP3 - Stalled Development	83.7	84.2	85.4	87.7	88.8	90.5	92.7
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	117.1	127.5	143.0	163.4	166.5	161.9	142.7
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	117.0	128.6	149.3	181.6	191.0	194.7	185.1
SSP2 - CEPAM Double Migration	234.0	252.9	283.9	324.9	330.9	320.5	282.3
SSP3 - Stalled Development	78.0	43.7	0.2	0.2	0.3	0.3	0.3
Ageing indicators by scenario							
	2015	2020	2030	2050	2060	2075	2095
Median age							
SSP1 - Rapid Development	43.2	44.6	47.5	54.5	56.7	60.1	65.0
SSP2 - CEPAM Zero Migration	43.2	44.8	47.8	54.0	54.6	56.0	57.6
SSP2 - CEPAM Medium	43.2	44.4	46.5	50.5	50.3	51.2	52.0
SSP2 - CEPAM Double Migration	43.2	44.0	45.3	48.3	48.3	49.4	50.8
SSP3 - Stalled Development	43.2	44.4	46.3	49.2	46.8	45.8	43.7
Proportion with less than 15 years of remaining life expectancy (RLE)							
SSP1 - Rapid Development	9.1%	9.4%	9.6%	13.2%	13.6%	13.1%	14.0%
SSP2 - CEPAM Zero Migration	9.5%	10.1%	10.7%	15.9%	15.8%	16.6%	14.7%
SSP2 - CEPAM Medium	9.5%	10.0%	10.2%	13.8%	13.0%	13.1%	11.5%
SSP2 - CEPAM Double Migration	9.5%	9.8%	9.8%	12.4%	11.4%	11.5%	10.6%
SSP3 - Stalled Development	9.9%	10.6%	11.3%	15.8%	14.9%	15.0%	11.2%



Austria (Continued)

Labour force projections to 2060

Labour force indicators

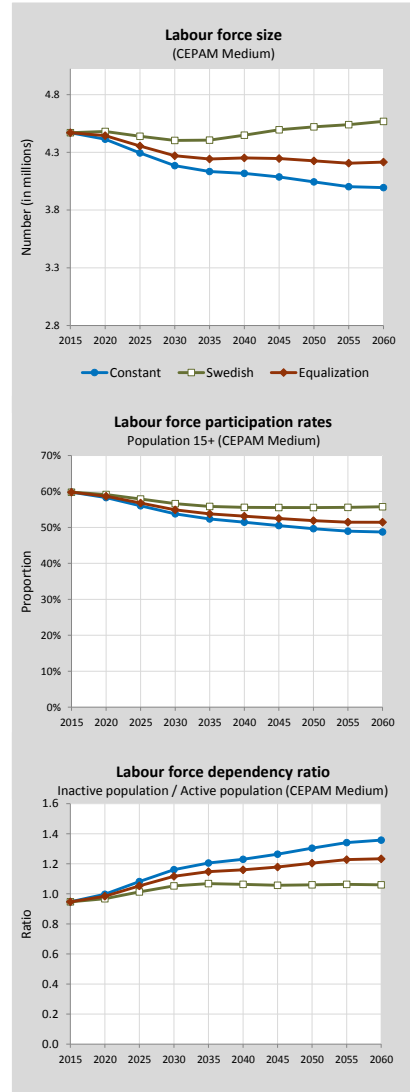
	2015	2020	2030	2040	2050	2060
Labour force size, by participation and migration scenario (in millions)						
Constant (CEPAM Zero Migration)	4.46	4.33	3.91	3.61	3.28	2.98
Constant (CEPAM Medium)	4.46	4.40	4.17	4.11	4.03	3.98
Constant (CEPAM Double Migration)	4.46	4.48	4.43	4.57	4.71	4.85
Swedish (CEPAM Zero Migration)	4.46	4.39	4.12	3.92	3.69	3.43
Swedish (CEPAM Medium)	4.46	4.47	4.39	4.44	4.51	4.56
Swedish (CEPAM Double Migration)	4.46	4.54	4.65	4.92	5.24	5.53
Equalization (CEPAM Zero Migration)	4.46	4.36	3.99	3.73	3.43	3.14
Equalization (CEPAM Medium)	4.46	4.43	4.26	4.24	4.21	4.20
Equalization (CEPAM Double Migration)	4.46	4.51	4.52	4.72	4.92	5.12
Constant (CEPAM Medium-low fertility)	4.46	4.40	4.17	4.05	3.83	3.59
Swedish (CEPAM Medium-low fertility)	4.46	4.47	4.39	4.37	4.29	4.14
Equalization (CEPAM Medium-low fertility)	4.46	4.43	4.26	4.18	4.01	3.80

Labour force participation rates, age 15+, by participation scenario (CEPAM Medium)

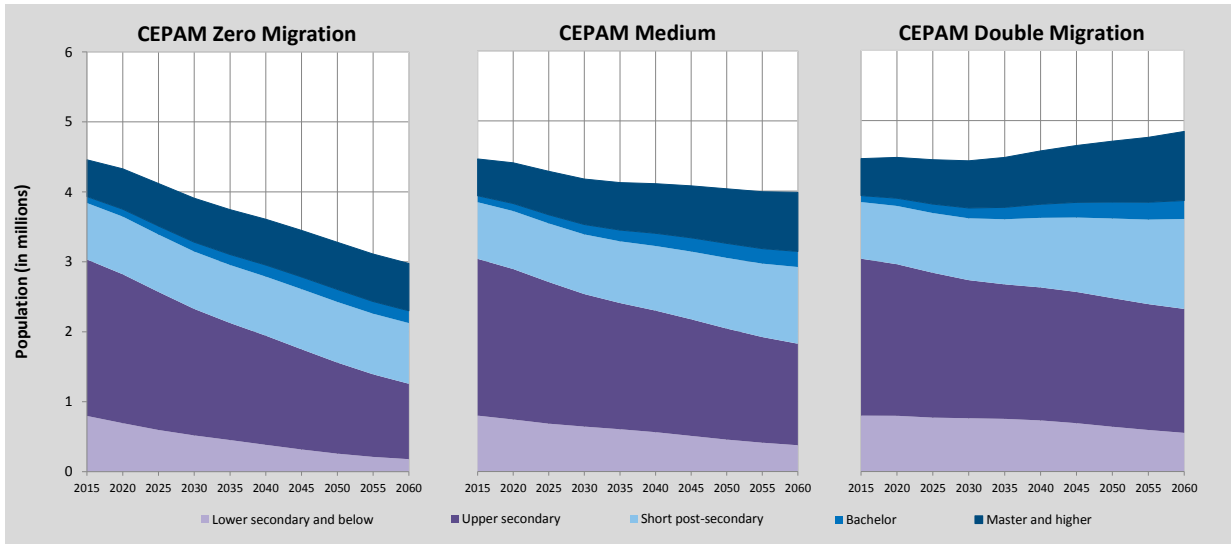
TOTAL (Constant)	59.8%	58.3%	53.8%	51.4%	49.6%	48.7%
TOTAL (Swedish)	59.8%	59.2%	56.6%	55.6%	55.5%	55.8%
TOTAL (Equalization)	59.8%	58.7%	54.9%	53.1%	51.9%	51.4%
MALE (Constant)	66.0%	64.2%	59.0%	56.3%	54.3%	53.2%
MALE (Swedish)	66.0%	65.0%	61.7%	60.2%	59.9%	59.9%
MALE (Equalization)	66.0%	64.2%	59.0%	56.3%	54.3%	53.2%
FEMALE (Constant)	54.0%	52.7%	48.8%	46.8%	45.2%	44.5%
FEMALE (Swedish)	54.0%	53.6%	51.7%	51.2%	51.3%	51.8%
FEMALE (Equalization)	54.0%	53.4%	51.0%	50.1%	49.6%	49.8%

Labour force (15+) by highest level of educational attainment. Columns sum to 100%. (CEPAM Medium; Constant participation)

TOTAL E1-E4 - lower secondary and below	17.9%	16.9%	15.4%	13.7%	11.3%	9.4%
TOTAL E5 - upper secondary	50.1%	48.7%	45.3%	42.2%	39.3%	36.4%
TOTAL E6 - short post-secondary	18.1%	18.8%	20.4%	22.4%	25.0%	27.4%
TOTAL E7 - bachelor	2.1%	2.5%	3.4%	4.4%	5.2%	5.6%
TOTAL E8 - master and higher	11.8%	13.2%	15.6%	17.3%	19.3%	21.2%
MALE E1-E4 - lower secondary and below	15.6%	15.3%	15.0%	14.2%	12.2%	10.4%
MALE E5 - upper secondary	53.4%	51.7%	48.1%	45.3%	42.8%	40.4%
MALE E6 - short post-secondary	17.2%	17.8%	19.0%	20.7%	22.9%	25.1%
MALE E7 - bachelor	1.7%	2.1%	3.0%	3.9%	4.5%	4.9%
MALE E8 - master and higher	12.0%	13.0%	14.8%	15.9%	17.5%	19.2%
FEMALE E1-E4 - lower secondary and below	20.5%	18.7%	15.8%	13.1%	10.3%	8.3%
FEMALE E5 - upper secondary	46.4%	45.2%	42.0%	38.6%	35.2%	31.7%
FEMALE E6 - short post-secondary	19.1%	20.0%	22.0%	24.5%	27.4%	30.1%
FEMALE E7 - bachelor	2.5%	2.8%	3.8%	5.0%	5.9%	6.4%
FEMALE E8 - master and higher	11.6%	13.3%	16.4%	18.8%	21.3%	23.4%



Labour force size by educational attainment according to three migration scenarios, 2015-2060 (Labour force participation = Constant scenario)



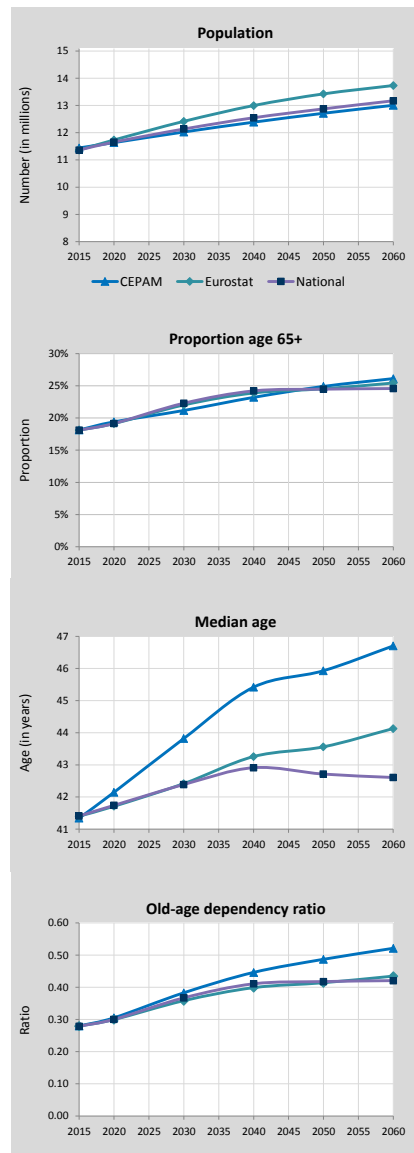
Belgium

Detailed Human Capital projections to 2060

Comparison of CEPAM projections with other sources

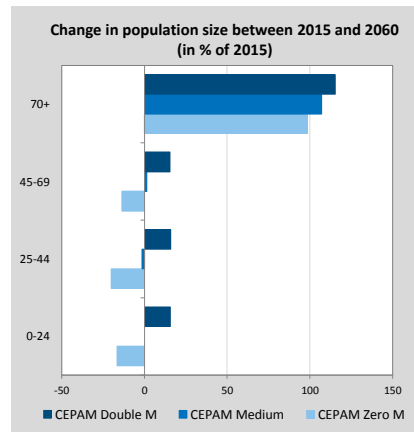
Demographic indicators - CEPAM Medium Scenario (SSP2), Eurostat and national projections		2015	2020	2030	2040	2050	2060
Population (in millions)	CEPAM	11.29	11.48	11.87	12.23	12.56	12.85
	Eurostat	11.21	11.58	12.26	12.84	13.27	13.58
	National	11.21	11.50	11.98	12.40	12.72	13.02
Proportion age 65+	CEPAM	18.1%	19.4%	21.2%	23.2%	24.9%	26.1%
	Eurostat	18.1%	19.1%	22.0%	23.9%	24.5%	25.4%
	National	18.1%	19.2%	22.3%	24.2%	24.5%	24.6%
Proportion below age 20	CEPAM	22.6%	22.5%	21.8%	20.7%	20.3%	20.2%
	Eurostat	22.6%	22.5%	22.2%	21.8%	21.7%	21.6%
	National	22.6%	22.6%	22.7%	22.6%	22.6%	22.7%
Median age	CEPAM	41.3	42.1	43.8	45.4	45.9	46.7
	Eurostat	41.4	41.7	42.4	43.3	43.6	44.1
	National	41.4	41.7	42.4	42.9	42.7	42.6
Old-age dependency ratio (65+/15-64)	CEPAM	0.28	0.31	0.38	0.45	0.49	0.52
	Eurostat	0.28	0.30	0.36	0.40	0.41	0.43
	National	0.28	0.30	0.37	0.41	0.42	0.42
Young-age dependency ratio (0-14/15-64)	CEPAM	0.26	0.27	0.27	0.26	0.27	0.27
	Eurostat	0.26	0.27	0.27	0.27	0.27	0.27
	National	0.26	0.27	0.28	0.29	0.29	0.29
Parent support ratio (85+/50-64)	CEPAM	0.13	0.14	0.17	0.26	0.38	0.46
	Eurostat	0.13	0.15	0.17	0.24	0.30	0.34
	National	0.13	0.14	0.17	0.25	0.33	0.36

Demographic assumptions underlying projections		2010-2015	2015-2020	2025-2030	2035-2040	2045-2050	2055-2060	
Total fertility rate	CEPAM	1.78	1.78	1.78	1.79	1.80	1.79	
	Eurostat	1.73	1.73	1.74	1.76	1.77	1.79	
	National	1.75	1.85	1.85	1.87	1.86	1.86	
Life expectancy at birth (in years)								
	Male	CEPAM	79.0	80.1	81.1	83.2	85.3	87.4
		Eurostat	79.0	79.9	80.7	82.1	83.4	84.7
National		79.2	80.2	81.2	83.1	84.7	86.2	
Female	CEPAM	83.7	84.8	85.9	88.1	90.2	92.5	
	Eurostat	83.9	84.7	85.3	86.6	87.8	88.9	
	National	83.8	84.5	85.1	86.3	87.4	88.4	
Five-year net migration flow (in thousands)	CEPAM	110.9	119.5	127.4	141.4	153.0	161.2	
	Eurostat	286.4	261.9	249.8	199.5	178.0	152.6	
	National	219.7	142.0	115.2	112.1	99.8	92.5	



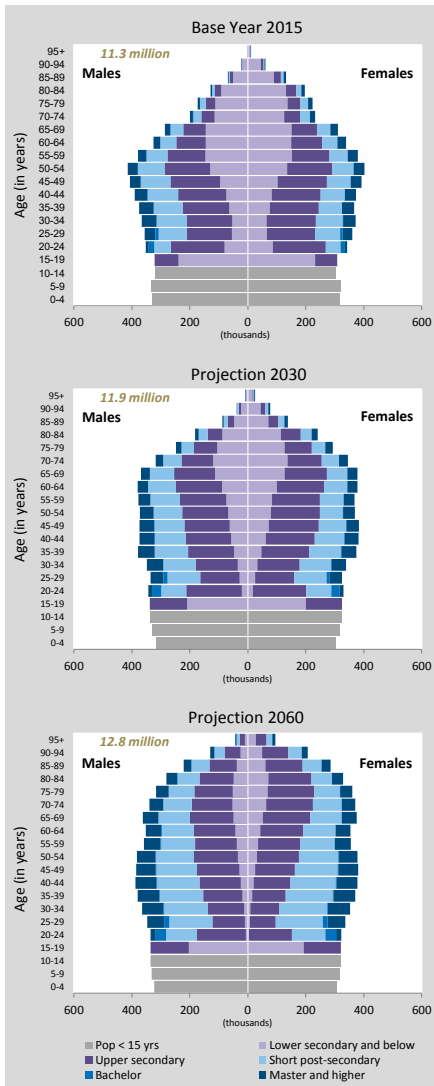
Changes in population size and structure according to CEPAM scenarios (impact of migration)

Population size according to CEPAM projections to 2060		2015	2020	2030	2040	2050	2060
Population (in millions)	Zero M	11.29	11.36	11.44	11.42	11.31	11.10
	Medium	11.29	11.48	11.87	12.23	12.56	12.85
	Double M	11.29	11.60	12.30	13.02	13.75	14.50
Population 0-24 (in millions)	Zero M	3.24	3.18	3.11	2.93	2.80	2.71
	Medium	3.24	3.22	3.26	3.21	3.21	3.25
	Double M	3.24	3.26	3.40	3.48	3.60	3.75
Population 25-44 (in millions)	Zero M	2.96	2.88	2.64	2.53	2.52	2.37
	Medium	2.96	2.95	2.86	2.84	2.94	2.92
	Double M	2.96	3.02	3.06	3.14	3.33	3.43
Population 45-69 (in millions)	Zero M	3.64	3.71	3.68	3.49	3.26	3.14
	Medium	3.64	3.72	3.75	3.69	3.65	3.68
	Double M	3.64	3.73	3.82	3.89	4.01	4.20
Population 70+ (in millions)	Zero M	1.45	1.59	2.00	2.47	2.72	2.88
	Medium	1.45	1.60	2.01	2.49	2.77	3.00
	Double M	1.45	1.60	2.01	2.50	2.81	3.12



Belgium (Continued)

Pyramids by education, CEPAM Medium

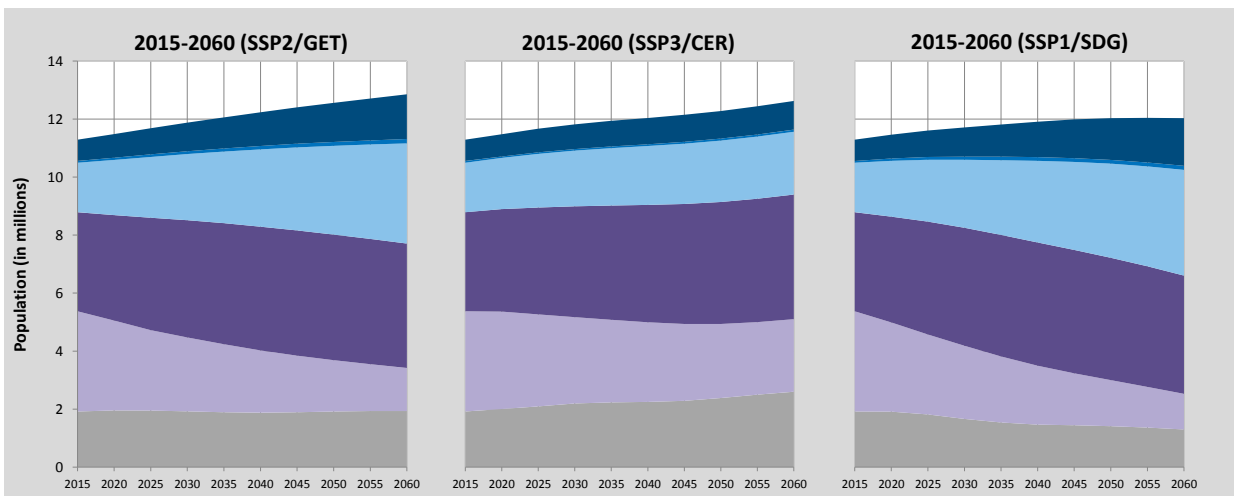


Detailed Human Capital projections to 2060

Human Capital indicators, CEPAM Medium (SSP2)

	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1-E4 - lower secondary and below	35.0%	31.1%	24.4%	19.0%	14.6%	11.2%
E5 - upper secondary	35.9%	37.4%	39.6%	40.4%	40.1%	38.6%
E6 - short post-secondary	19.9%	21.5%	24.4%	27.4%	30.5%	33.7%
E7 - bachelor	0.3%	0.4%	0.5%	0.6%	0.7%	0.8%
E8 - master and higher	8.9%	9.6%	11.1%	12.5%	14.1%	15.7%
Mean years of schooling (in years)	11.31	11.58	12.03	12.40	12.73	13.01
Age gap: highest educational attainment (ratio 35-44/50-64)						
E1-E4 - lower secondary and below	0.51	0.57	0.64	0.56	0.51	0.50
E5 - upper secondary	1.26	1.14	0.99	0.96	0.90	0.85
E6 - short post-secondary	1.33	1.22	1.20	1.26	1.26	1.23
E7 - bachelor	9.45	14.30	5.94	1.56	1.25	1.22
E8 - master and higher	1.38	1.42	1.30	1.24	1.26	1.22
Mean years of schooling (35-44 minus 50-64)	1.18	0.91	0.61	0.76	0.81	0.72
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1-E4 - lower secondary and below	0.91	0.91	0.89	0.87	0.87	0.89
E5 - upper secondary	0.99	0.99	0.98	0.98	0.99	1.01
E6 - short post-secondary	1.19	1.16	1.13	1.09	1.05	1.01
E7 - bachelor	1.28	1.25	1.22	1.18	1.16	1.14
E8 - master and higher	0.99	1.01	1.05	1.06	1.06	1.04
Mean years of schooling (male minus female)	0.22	0.23	0.22	0.20	0.16	0.10
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1-E4 - lower secondary and below	20%	16%	9%	6%	4%	3%
E5 - upper secondary	48%	47%	46%	42%	37%	33%
E6 - short post-secondary	21%	25%	30%	35%	40%	44%
E7 - bachelor	2%	2%	3%	4%	4%	4%
E8 - master and higher	9%	10%	11%	13%	15%	17%
Mean years of schooling (in years)	12.11	12.36	12.89	13.24	13.55	13.78
Age gap among women: highest educational attainment (ratio 35-44/50-64)						
E1-E4 - lower secondary and below	0.55	0.59	0.61	0.52	0.47	0.46
E5 - upper secondary	1.30	1.17	0.99	0.94	0.86	0.80
E6 - short post-secondary	1.29	1.23	1.29	1.34	1.32	1.27
E7 - bachelor	10.29	13.38	5.16	1.60	1.32	1.27
E8 - master and higher	1.22	1.26	1.28	1.30	1.32	1.27
Mean years of schooling (35-44 minus 50-64)	1.29	1.08	0.91	1.09	1.15	1.03

Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG



Colour legend as in pyramids above

Education scenarios

SSP2/GET : Global Education Trend Scenario (Medium assumption)

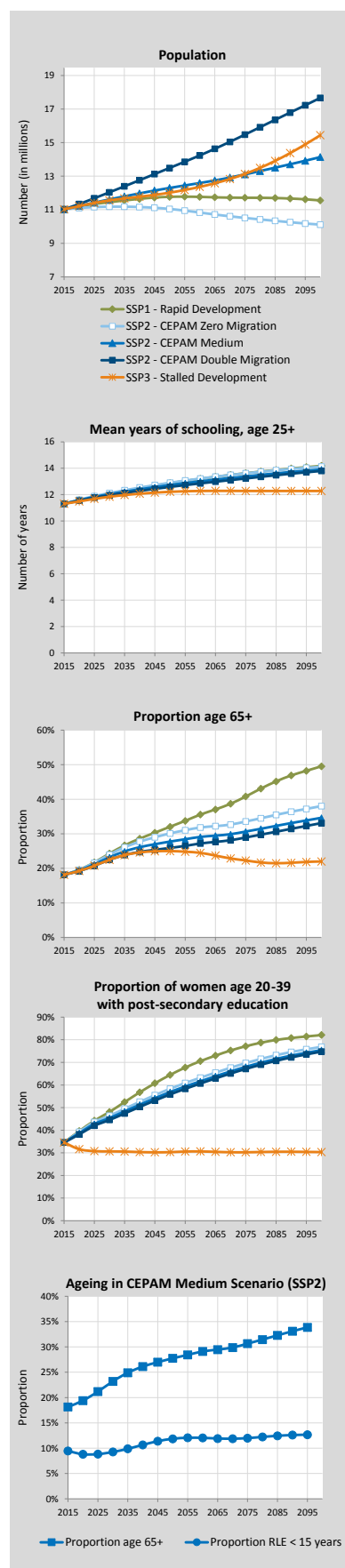
SSP3/CER : Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG : Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

Belgium (Continued)

Alternative scenarios to 2100

Projection results by scenario (SSP1-SSP3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	11.29	11.46	11.71	12.03	12.03	11.98	11.82
SSP2 - CEPAM Zero Migration	11.29	11.36	11.44	11.31	11.10	10.77	10.38
SSP2 - CEPAM Medium	11.29	11.48	11.87	12.56	12.85	13.37	14.40
SSP2 - CEPAM Double Migration	11.29	11.60	12.30	13.75	14.50	15.74	17.93
SSP3 - Stalled Development	11.29	11.48	11.82	12.28	12.62	13.40	15.70
Proportion age 65+							
SSP1 - Rapid Development	18.1%	19.6%	24.3%	32.0%	35.6%	40.8%	49.5%
SSP2 - CEPAM Zero Migration	18.1%	19.6%	24.0%	30.1%	31.8%	33.6%	38.0%
SSP2 - CEPAM Medium	18.1%	19.4%	23.2%	27.7%	29.1%	30.7%	34.6%
SSP2 - CEPAM Double Migration	18.1%	19.2%	22.5%	25.9%	27.2%	28.9%	33.1%
SSP3 - Stalled Development	18.1%	19.3%	22.5%	25.0%	24.5%	22.3%	22.0%
Proportion below age 20							
SSP1 - Rapid Development	22.6%	22.1%	19.9%	15.9%	14.9%	13.1%	11.3%
SSP2 - CEPAM Zero Migration	22.6%	22.5%	21.5%	19.7%	19.4%	18.4%	17.2%
SSP2 - CEPAM Medium	22.6%	22.5%	21.8%	20.3%	20.2%	19.3%	18.2%
SSP2 - CEPAM Double Migration	22.6%	22.5%	22.0%	20.9%	20.7%	19.9%	18.7%
SSP3 - Stalled Development	22.6%	22.9%	24.1%	25.4%	26.8%	27.5%	28.0%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	34.6%	39.6%	48.1%	64.4%	70.5%	77.1%	82.1%
SSP2 - CEPAM Zero Migration	34.6%	39.3%	46.4%	58.3%	63.2%	69.7%	76.9%
SSP2 - CEPAM Medium	34.6%	38.7%	45.4%	56.9%	61.6%	68.0%	75.4%
SSP2 - CEPAM Double Migration	34.6%	38.2%	44.5%	55.8%	60.6%	67.1%	74.8%
SSP3 - Stalled Development	34.6%	31.6%	30.6%	30.3%	30.6%	30.2%	30.3%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	11.3	11.6	12.1	12.9	13.2	13.6	14.2
SSP2 - CEPAM Zero Migration	11.3	11.6	12.1	12.9	13.2	13.6	14.1
SSP2 - CEPAM Medium	11.3	11.6	12.0	12.7	13.0	13.4	13.9
SSP2 - CEPAM Double Migration	11.3	11.5	12.0	12.6	12.9	13.2	13.8
SSP3 - Stalled Development	11.3	11.5	11.8	12.2	12.3	12.3	12.3
Demographic assumptions underlying SSPs							
	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.66	1.53	1.39	1.34	1.33	1.33	1.33
SSP2 - CEPAM Zero Migration	1.78	1.78	1.78	1.80	1.79	1.78	1.78
SSP2 - CEPAM Medium	1.78	1.78	1.78	1.80	1.79	1.79	1.78
SSP2 - CEPAM Double Migration	1.78	1.78	1.78	1.80	1.79	1.79	1.78
SSP3 - Stalled Development	1.94	2.13	2.33	2.48	2.49	2.51	2.52
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	84.2	85.8	89.0	95.3	98.5	103.3	109.6
SSP2 - CEPAM Zero Migration	83.7	84.8	87.0	91.4	93.6	96.9	101.3
SSP2 - CEPAM Medium	83.7	84.8	87.0	91.3	93.5	96.8	101.2
SSP2 - CEPAM Double Migration	83.7	84.8	86.9	91.3	93.5	96.8	101.1
SSP3 - Stalled Development	83.2	83.7	84.9	87.3	88.4	90.1	92.4
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	111.0	118.9	130.2	144.6	146.1	142.2	127.5
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	110.9	119.5	134.7	157.6	163.9	166.6	160.1
SSP2 - CEPAM Double Migration	221.9	237.0	262.5	297.3	304.1	301.3	279.0
SSP3 - Stalled Development	74.0	40.3	0.1	0.2	0.2	0.2	0.3
Ageing indicators by scenario							
	2015	2020	2030	2050	2060	2075	2095
Median age							
SSP1 - Rapid Development	41.3	42.4	45.0	50.5	53.0	57.7	63.3
SSP2 - CEPAM Zero Migration	41.3	42.4	44.7	47.7	48.7	50.7	52.9
SSP2 - CEPAM Medium	41.3	42.1	43.8	45.9	46.7	48.2	50.2
SSP2 - CEPAM Double Migration	41.3	41.9	43.0	44.7	45.4	46.8	48.9
SSP3 - Stalled Development	41.3	42.0	43.0	41.5	39.7	38.5	38.0
Proportion with less than 15 years of remaining life expectancy (RLE)							
SSP1 - Rapid Development	9.4%	8.8%	9.3%	11.9%	12.0%	12.0%	12.7%
SSP2 - CEPAM Zero Migration	9.7%	9.4%	10.3%	13.2%	13.2%	13.2%	12.5%
SSP2 - CEPAM Medium	9.7%	9.3%	10.0%	12.0%	11.6%	11.4%	10.8%
SSP2 - CEPAM Double Migration	9.7%	9.2%	9.6%	11.1%	10.5%	10.4%	10.0%
SSP3 - Stalled Development	10.0%	9.8%	10.9%	12.7%	11.9%	10.8%	8.8%



Belgium (Continued)

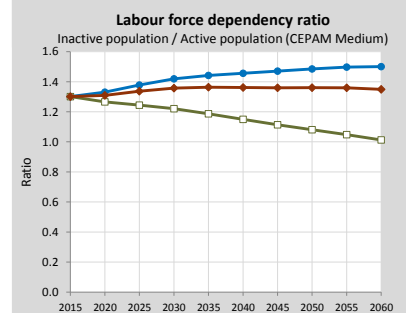
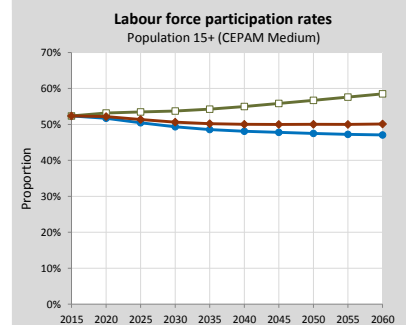
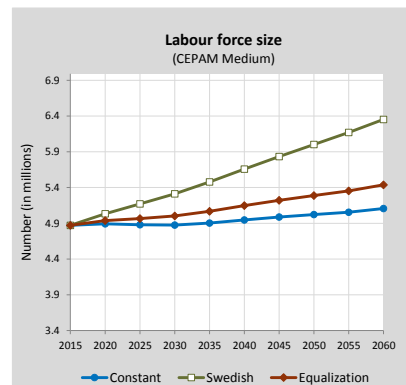
Labour force projections to 2060

Labour force indicators	2015	2020	2030	2040	2050	2060
Labour force size, by participation and migration scenario (in millions)						
Constant (CEPAM Zero Migration)	4.90	4.86	4.68	4.56	4.42	4.28
Constant (CEPAM Medium)	4.90	4.93	4.91	4.98	5.05	5.14
Constant (CEPAM Double Migration)	4.90	4.99	5.13	5.39	5.66	5.93
Swedish (CEPAM Zero Migration)	4.90	5.00	5.11	5.23	5.29	5.35
Swedish (CEPAM Medium)	4.90	5.07	5.35	5.69	6.04	6.39
Swedish (CEPAM Double Migration)	4.90	5.13	5.58	6.14	6.74	7.36
Equalization (CEPAM Zero Migration)	4.90	4.91	4.80	4.74	4.64	4.55
Equalization (CEPAM Medium)	4.90	4.97	5.04	5.18	5.32	5.47
Equalization (CEPAM Double Migration)	4.90	5.04	5.27	5.61	5.96	6.32
Constant (CEPAM Medium-low fertility)	4.90	4.93	4.91	4.94	4.83	4.64
Swedish (CEPAM Medium-low fertility)	4.90	5.07	5.34	5.63	5.75	5.78
Equalization (CEPAM Medium-low fertility)	4.90	4.97	5.03	5.14	5.09	4.95

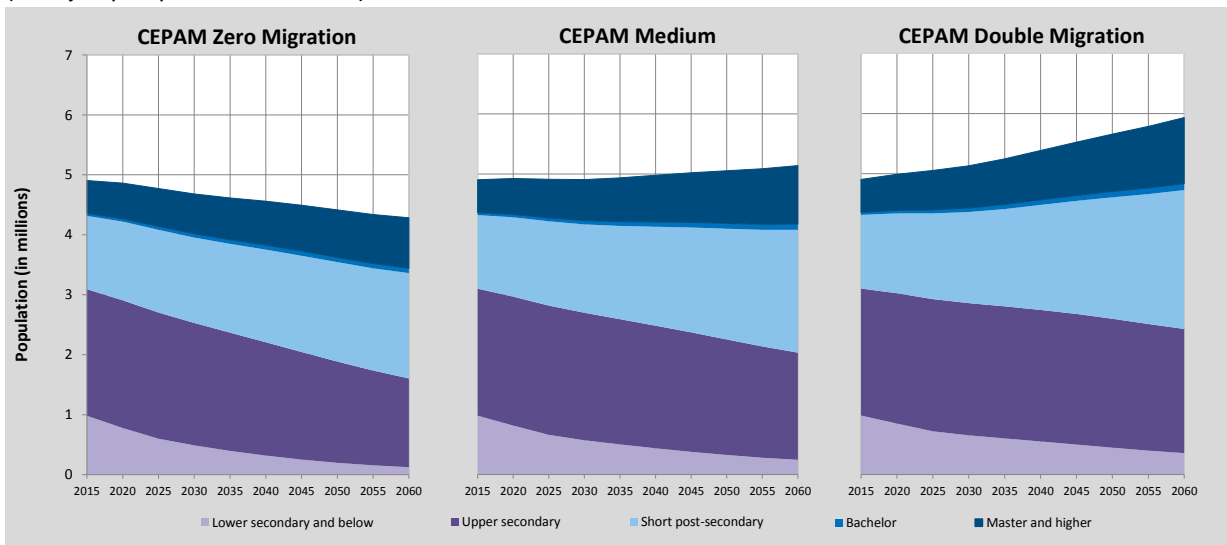
Labour force participation rates, age 15+, by participation scenario (CEPAM Medium)						
TOTAL (Constant)	52.4%	51.7%	49.3%	48.1%	47.5%	47.1%
TOTAL (Swedish)	52.4%	53.2%	53.7%	55.0%	56.7%	58.5%
TOTAL (Equalization)	52.4%	52.2%	50.6%	50.0%	50.0%	50.1%
MALE (Constant)	58.8%	57.7%	54.6%	53.0%	52.3%	51.8%
MALE (Swedish)	58.8%	59.1%	58.6%	59.3%	60.8%	62.4%
MALE (Equalization)	58.8%	57.7%	54.6%	53.0%	52.3%	51.8%
FEMALE (Constant)	46.2%	45.9%	44.3%	43.4%	42.9%	42.6%
FEMALE (Swedish)	46.2%	47.6%	49.1%	50.9%	52.8%	54.8%
FEMALE (Equalization)	46.2%	46.9%	46.8%	47.2%	47.8%	48.5%

Labour force (15+) by highest level of educational attainment. Columns sum to 100%. (CEPAM Medium; Constant participation)

TOTAL E1-E4 - lower secondary and below	20.0%	16.5%	11.6%	8.8%	6.4%	4.8%
TOTAL E5 - upper secondary	43.1%	43.6%	43.2%	41.0%	38.0%	34.7%
TOTAL E6 - short post-secondary	24.9%	26.8%	29.9%	33.1%	36.5%	39.7%
TOTAL E7 - bachelor	0.8%	1.0%	1.3%	1.6%	1.7%	1.9%
TOTAL E8 - master and higher	11.2%	12.1%	13.9%	15.6%	17.3%	19.0%
MALE E1-E4 - lower secondary and below	20.5%	17.0%	12.2%	9.5%	7.2%	5.5%
MALE E5 - upper secondary	42.0%	42.7%	42.6%	41.1%	39.2%	36.8%
MALE E6 - short post-secondary	25.8%	27.4%	30.0%	32.3%	35.0%	37.6%
MALE E7 - bachelor	0.8%	1.0%	1.3%	1.5%	1.6%	1.7%
MALE E8 - master and higher	10.9%	12.0%	14.0%	15.6%	17.0%	18.4%
FEMALE E1-E4 - lower secondary and below	19.4%	15.9%	11.0%	7.9%	5.5%	3.9%
FEMALE E5 - upper secondary	44.3%	44.7%	43.9%	40.8%	36.7%	32.2%
FEMALE E6 - short post-secondary	24.0%	26.0%	29.8%	33.9%	38.2%	42.2%
FEMALE E7 - bachelor	0.9%	1.1%	1.4%	1.7%	1.9%	2.0%
FEMALE E8 - master and higher	11.5%	12.3%	13.8%	15.6%	17.7%	19.6%



Labour force size by educational attainment according to three migration scenarios, 2015-2060 (Labour force participation = Constant scenario)



Bulgaria

Detailed Human Capital projections to 2060

Comparison of CEPAM projections with other sources

Demographic indicators - CEPAM Medium Scenario (SSP2), Eurostat and national projections		2015	2020	2030	2040	2050	2060
Population (in millions)	CEPAM	7.18	6.88	6.22	5.57	5.00	4.45
	Eurostat	7.20	6.95	6.41	5.93	5.56	5.23
	National	7.17	6.92	6.47	6.06	5.70	5.36
Proportion age 65+	CEPAM	20.1%	21.7%	23.2%	24.7%	26.2%	28.4%
	Eurostat	20.0%	21.7%	24.7%	28.0%	31.5%	33.4%
	National	20.5%	21.9%	24.3%	27.2%	30.1%	31.2%
Proportion below age 20	CEPAM	18.3%	19.2%	18.7%	17.2%	17.1%	17.0%
	Eurostat	18.2%	18.9%	18.9%	18.1%	18.5%	18.9%
	National	18.3%	18.9%	18.3%	17.3%	17.9%	18.1%
Median age	CEPAM	43.5	44.9	48.1	51.0	51.5	51.6
	Eurostat	43.5	44.8	47.9	50.5	50.1	49.4
	National	43.7	44.9	47.5	49.4	48.6	48.8
Old-age dependency ratio (65+/15-64)	CEPAM	0.30	0.34	0.40	0.48	0.61	0.68
	Eurostat	0.30	0.34	0.40	0.48	0.58	0.63
	National	0.31	0.34	0.39	0.45	0.53	0.56
Young-age dependency ratio (0-14/15-64)	CEPAM	0.21	0.23	0.22	0.21	0.23	0.24
	Eurostat	0.21	0.23	0.22	0.22	0.25	0.26
	National	0.21	0.22	0.21	0.21	0.23	0.23
Parent support ratio (85+/50-64)	CEPAM	0.08	0.09	0.10	0.16	0.25	0.39
	Eurostat	0.08	0.10	0.12	0.19	0.27	0.42
	National	0.09	0.11	0.12	0.18	0.26	0.36

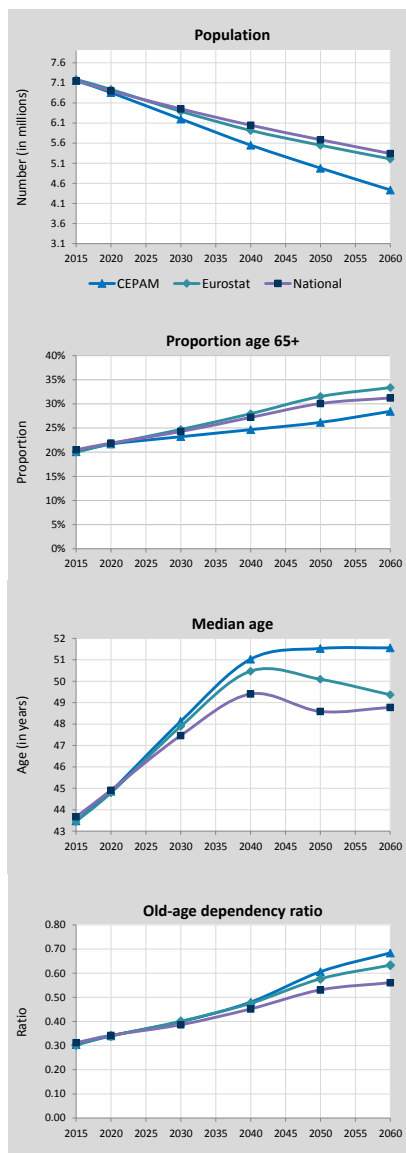
Demographic assumptions underlying projections

		2010-2015	2015-2020	2025-2030	2035-2040	2045-2050	2055-2060	
Total fertility rate	CEPAM	1.54	1.52	1.61	1.60	1.60	1.61	
	Eurostat	1.58	1.64	1.68	1.72	1.75	1.78	
	National	1.54	1.53	1.53	1.55	1.58	1.60	
Life expectancy at birth (in years)								
	Male	CEPAM	71.5	72.7	73.8	76.0	78.3	80.6
		Eurostat	72.0	73.3	74.5	76.8	79.0	81.0
National		72.2	73.5	74.7	76.9	79.0	80.9	
Female	CEPAM	78.4	79.5	80.5	82.6	84.7	86.8	
	Eurostat	78.7	79.7	80.7	82.6	84.3	86.0	
	National	78.8	79.9	80.8	82.7	84.3	85.8	
Five-year net migration flow (in thousands)	CEPAM	-93.0	-88.1	-82.8	-72.0	-62.4	-53.8	
	Eurostat	-41.9	-61.5	-53.5	6.2	13.4	10.9	
	National	-25.0	-10.3	-5.1	3.0	9.4	15.2	

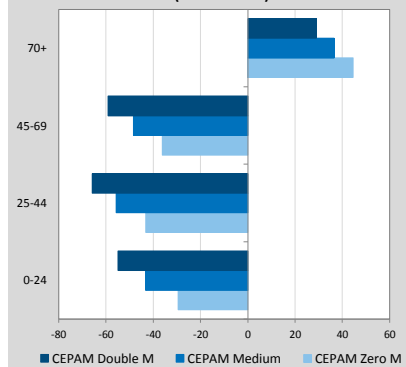
Changes in population size and structure according to CEPAM scenarios (impact of migration)

Population size according to CEPAM projections to 2060

		2015	2020	2030	2040	2050	2060
Population (in millions)	Zero M	7.18	6.97	6.53	6.08	5.69	5.32
	Medium	7.18	6.88	6.22	5.57	5.00	4.45
	Double M	7.18	6.78	5.92	5.09	4.37	3.71
Population 0-24 (in millions)	Zero M	1.71	1.65	1.60	1.43	1.29	1.20
	Medium	1.71	1.62	1.50	1.27	1.08	0.97
	Double M	1.71	1.59	1.41	1.12	0.90	0.77
Population 25-44 (in millions)	Zero M	2.05	1.89	1.48	1.30	1.32	1.16
	Medium	2.05	1.84	1.33	1.10	1.10	0.91
	Double M	2.05	1.78	1.18	0.93	0.91	0.70
Population 45-69 (in millions)	Zero M	2.47	2.40	2.31	2.19	1.78	1.58
	Medium	2.47	2.39	2.26	2.04	1.54	1.28
	Double M	2.47	2.38	2.21	1.90	1.32	1.01
Population 70+ (in millions)	Zero M	0.95	1.03	1.13	1.17	1.30	1.38
	Medium	0.95	1.03	1.13	1.16	1.27	1.30
	Double M	0.95	1.03	1.13	1.15	1.25	1.23

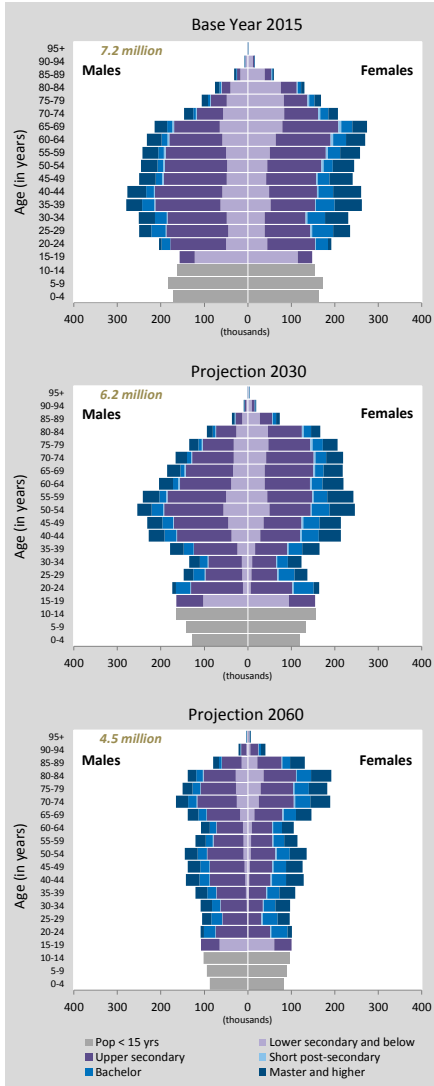


Change in population size between 2015 and 2060 (in % of 2015)



Bulgaria (Continued)

Pyramids by education, CEPAM Medium



Detailed Human Capital projections to 2060

Human Capital indicators, CEPAM Medium (SSP2)

	2015	2020	2030	2040	2050	2060
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Population age 25+: highest educational attainment (columns sum to 100%)

E1-E4 - lower secondary and below	25.7%	22.8%	18.4%	14.9%	12.2%	9.8%
E5 - upper secondary	47.3%	48.3%	49.6%	49.8%	49.0%	47.9%
E6 - short post-secondary	1.6%	1.6%	1.6%	1.5%	1.5%	1.6%
E7 - bachelor	9.6%	10.5%	12.0%	13.7%	15.6%	17.5%
E8 - master and higher	15.8%	16.8%	18.4%	20.1%	21.7%	23.3%
Mean years of schooling (in years)	11.24	11.51	11.93	12.33	12.72	13.11

Age gap: highest educational attainment (ratio 35-44/50-64)

E1-E4 - lower secondary and below	0.98	1.04	0.69	0.47	0.42	0.42
E5 - upper secondary	0.91	0.88	1.01	1.07	1.01	0.94
E6 - short post-secondary	0.56	0.60	1.08	1.25	1.17	1.17
E7 - bachelor	1.43	1.70	1.42	1.18	1.18	1.17
E8 - master and higher	1.15	1.04	1.06	1.17	1.18	1.17
Mean years of schooling (35-44 minus 50-64)	0.31	0.55	1.35	1.28	0.77	0.62

Gender gap (population age 25+): highest educational attainment (ratio male/female)

E1-E4 - lower secondary and below	0.95	0.98	1.04	1.08	1.09	1.09
E5 - upper secondary	1.22	1.23	1.24	1.27	1.32	1.38
E6 - short post-secondary	0.76	0.72	0.65	0.57	0.49	0.42
E7 - bachelor	0.60	0.61	0.64	0.66	0.67	0.68
E8 - master and higher	0.83	0.79	0.74	0.71	0.70	0.70
Mean years of schooling (male minus female)	-0.15	-0.26	-0.42	-0.52	-0.59	-0.65

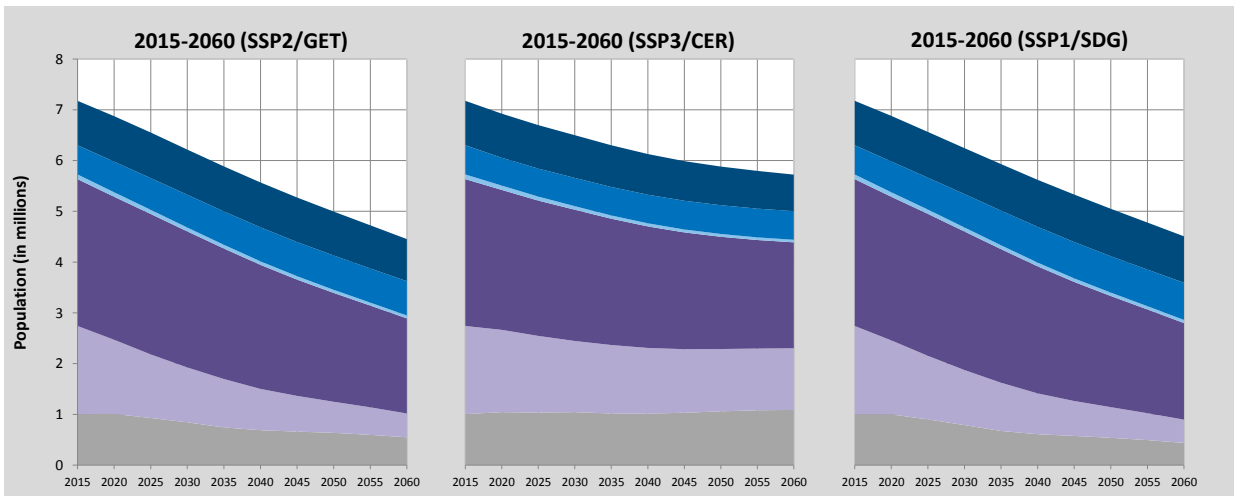
Women age 20-39: highest educational attainment (columns sum to 100%)

E1-E4 - lower secondary and below	19%	14%	7%	4%	2%	1%
E5 - upper secondary	45%	45%	48%	46%	42%	38%
E6 - short post-secondary	1%	2%	2%	2%	3%	3%
E7 - bachelor	17%	19%	23%	26%	28%	31%
E8 - master and higher	18%	19%	19%	22%	25%	27%
Mean years of schooling (in years)	12.12	12.73	13.38	13.78	14.14	14.37

Age gap among women: highest educational attainment (ratio 35-44/50-64)

E1-E4 - lower secondary and below	0.94	1.01	0.64	0.43	0.36	0.34
E5 - upper secondary	0.83	0.80	1.01	1.08	0.95	0.87
E6 - short post-secondary	0.49	0.71	1.69	1.44	1.20	1.19
E7 - bachelor	1.42	1.64	1.35	1.16	1.20	1.19
E8 - master and higher	1.35	1.18	1.02	1.12	1.20	1.19
Mean years of schooling (35-44 minus 50-64)	0.73	1.19	1.52	1.73	1.08	0.95

Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG



Colour legend as in pyramids above

Education scenarios

SSP2/GET : Global Education Trend Scenario (Medium assumption)

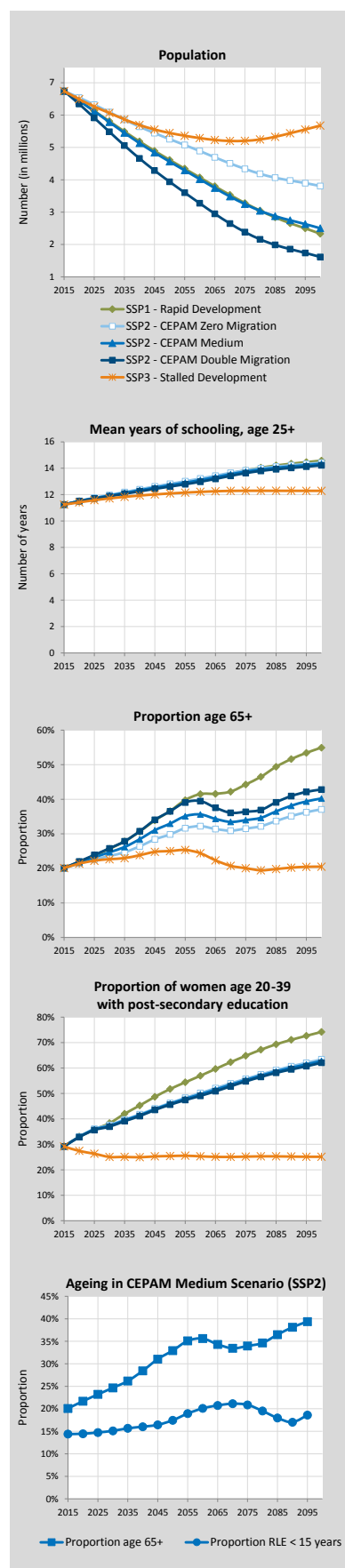
SSP3/CER : Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG : Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

Bulgaria (Continued)

Alternative scenarios to 2100

Projection results by scenario (SSP1-SSP3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	7.18	6.88	6.25	5.05	4.51	3.72	2.77
SSP2 - CEPAM Zero Migration	7.18	6.97	6.53	5.69	5.32	4.77	4.24
SSP2 - CEPAM Medium	7.18	6.88	6.22	5.00	4.45	3.68	2.94
SSP2 - CEPAM Double Migration	7.18	6.78	5.92	4.37	3.71	2.82	2.05
SSP3 - Stalled Development	7.18	6.92	6.50	5.88	5.72	5.64	6.11
Proportion age 65+							
SSP1 - Rapid Development	20.1%	21.9%	25.7%	36.6%	41.5%	44.3%	55.0%
SSP2 - CEPAM Zero Migration	20.1%	21.4%	23.6%	29.8%	32.2%	31.5%	37.1%
SSP2 - CEPAM Medium	20.1%	21.7%	24.7%	32.9%	35.6%	34.0%	40.2%
SSP2 - CEPAM Double Migration	20.1%	22.0%	25.8%	36.5%	39.5%	36.4%	42.8%
SSP3 - Stalled Development	20.1%	21.4%	22.7%	25.0%	24.4%	20.0%	20.5%
Proportion below age 20							
SSP1 - Rapid Development	18.3%	19.0%	17.8%	14.5%	13.7%	11.9%	9.9%
SSP2 - CEPAM Zero Migration	18.3%	19.3%	19.1%	17.9%	17.8%	17.2%	16.0%
SSP2 - CEPAM Medium	18.3%	19.2%	18.7%	17.1%	17.0%	16.4%	15.1%
SSP2 - CEPAM Double Migration	18.3%	19.2%	18.3%	16.2%	16.2%	15.5%	14.3%
SSP3 - Stalled Development	18.3%	19.6%	21.1%	23.7%	25.2%	26.4%	26.7%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	29.2%	33.0%	38.3%	51.7%	57.0%	64.8%	74.2%
SSP2 - CEPAM Zero Migration	29.2%	33.0%	37.6%	46.2%	50.2%	55.8%	63.4%
SSP2 - CEPAM Medium	29.2%	32.9%	37.3%	45.9%	49.7%	55.3%	62.8%
SSP2 - CEPAM Double Migration	29.2%	32.8%	37.0%	45.6%	49.1%	54.8%	62.1%
SSP3 - Stalled Development	29.2%	27.4%	25.1%	25.4%	25.3%	25.2%	25.1%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	11.2	11.5	11.9	12.8	13.2	13.8	14.6
SSP2 - CEPAM Zero Migration	11.2	11.5	12.0	12.8	13.2	13.8	14.4
SSP2 - CEPAM Medium	11.2	11.5	11.9	12.7	13.1	13.7	14.3
SSP2 - CEPAM Double Migration	11.2	11.5	11.9	12.6	13.0	13.6	14.2
SSP3 - Stalled Development	11.2	11.4	11.7	12.1	12.2	12.3	12.3
Demographic assumptions underlying SSPs							
	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.49	1.42	1.42	1.40	1.41	1.42	1.44
SSP2 - CEPAM Zero Migration	1.54	1.52	1.60	1.61	1.61	1.63	1.65
SSP2 - CEPAM Medium	1.54	1.52	1.60	1.61	1.61	1.63	1.65
SSP2 - CEPAM Double Migration	1.54	1.52	1.60	1.61	1.61	1.63	1.65
SSP3 - Stalled Development	1.68	1.85	2.10	2.19	2.20	2.24	2.29
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	78.9	80.5	83.6	89.8	92.8	97.4	102.2
SSP2 - CEPAM Zero Migration	78.4	79.5	81.6	85.8	87.9	91.0	95.1
SSP2 - CEPAM Medium	78.4	79.5	81.6	85.8	87.8	91.0	95.1
SSP2 - CEPAM Double Migration	78.4	79.4	81.6	85.7	87.8	91.0	95.1
SSP3 - Stalled Development	77.9	78.4	79.5	81.6	82.7	84.2	86.3
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-93.2	-88.6	-78.8	-60.5	-52.3	-41.1	-31.2
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-93.0	-88.1	-77.4	-58.1	-49.5	-38.4	-30.6
SSP2 - CEPAM Double Migration	-186.0	-173.2	-145.8	-97.7	-76.9	-51.6	-35.5
SSP3 - Stalled Development	-61.9	-29.5	-0.1	0.0	0.0	0.0	0.0
Ageing indicators by scenario							
	2015	2020	2030	2050	2060	2075	2095
Median age							
SSP1 - Rapid Development	43.5	45.0	48.8	55.6	56.7	60.9	68.1
SSP2 - CEPAM Zero Migration	43.5	44.5	46.9	48.9	49.5	50.9	53.2
SSP2 - CEPAM Medium	43.5	44.9	48.1	51.5	51.6	53.1	55.7
SSP2 - CEPAM Double Migration	43.5	45.2	49.4	55.3	53.9	55.4	57.8
SSP3 - Stalled Development	43.5	44.5	46.1	42.7	40.9	38.7	38.7
Proportion with less than 15 years of remaining life expectancy (RLE)							
SSP1 - Rapid Development	14.4%	14.5%	15.1%	17.5%	20.1%	20.9%	18.6%
SSP2 - CEPAM Zero Migration	14.9%	15.2%	15.6%	16.2%	17.5%	16.4%	15.8%
SSP2 - CEPAM Medium	14.9%	15.4%	16.3%	18.1%	20.2%	18.4%	17.9%
SSP2 - CEPAM Double Migration	14.9%	15.6%	17.1%	20.4%	23.4%	20.6%	19.9%
SSP3 - Stalled Development	15.3%	16.2%	16.8%	16.4%	15.9%	11.7%	10.9%



Bulgaria (Continued)

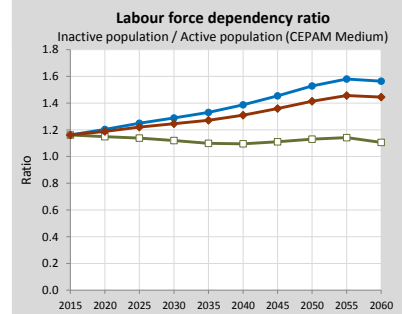
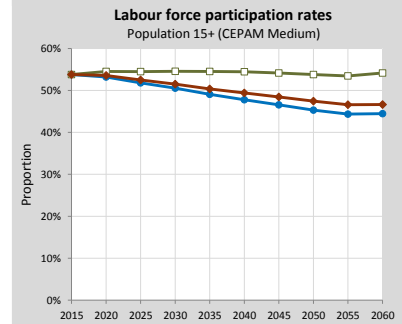
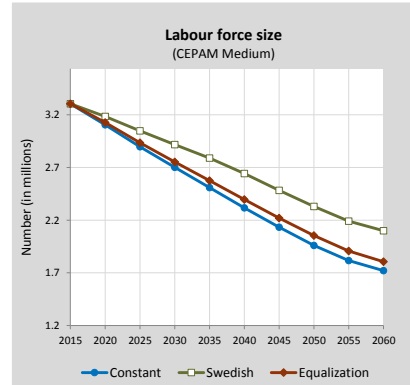
Labour force projections to 2060

Labour force indicators	2015	2020	2030	2040	2050	2060
Labour force size, by participation and migration scenario (in millions)						
Constant (CEPAM Zero Migration)	3.32	3.18	2.90	2.63	2.37	2.19
Constant (CEPAM Medium)	3.32	3.12	2.72	2.33	1.98	1.74
Constant (CEPAM Double Migration)	3.32	3.06	2.54	2.06	1.63	1.36
Swedish (CEPAM Zero Migration)	3.32	3.26	3.12	2.98	2.79	2.65
Swedish (CEPAM Medium)	3.32	3.20	2.93	2.66	2.35	2.12
Swedish (CEPAM Double Migration)	3.32	3.14	2.75	2.36	1.95	1.66
Equalization (CEPAM Zero Migration)	3.32	3.20	2.95	2.71	2.47	2.29
Equalization (CEPAM Medium)	3.32	3.14	2.77	2.41	2.07	1.82
Equalization (CEPAM Double Migration)	3.32	3.08	2.59	2.13	1.71	1.42
Constant (CEPAM Medium-low fertility)	3.32	3.12	2.72	2.32	1.90	1.58
Swedish (CEPAM Medium-low fertility)	3.32	3.20	2.93	2.63	2.25	1.91
Equalization (CEPAM Medium-low fertility)	3.32	3.14	2.77	2.40	1.99	1.65

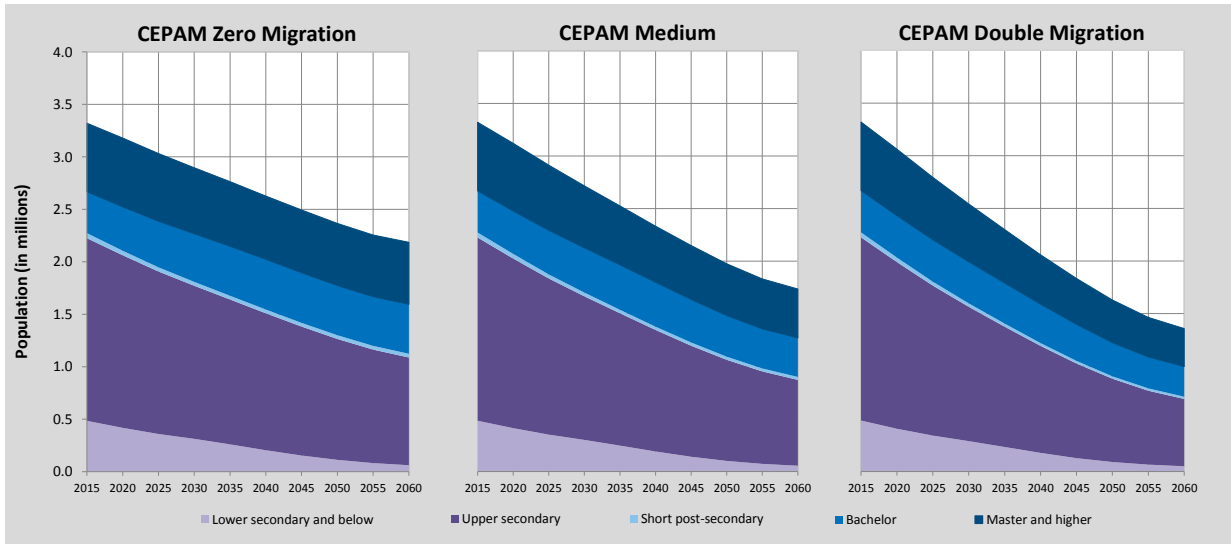
Labour force participation rates, age 15+, by participation scenario (CEPAM Medium)						
TOTAL (Constant)	53.8%	53.2%	50.5%	47.8%	45.3%	44.5%
TOTAL (Swedish)	53.8%	54.5%	54.6%	54.4%	53.8%	54.2%
TOTAL (Equalization)	53.8%	53.6%	51.5%	49.4%	47.5%	46.6%
MALE (Constant)	59.8%	59.1%	56.0%	53.1%	50.5%	49.2%
MALE (Swedish)	59.8%	60.4%	60.1%	59.7%	58.8%	59.0%
MALE (Equalization)	59.8%	59.1%	56.0%	53.1%	50.5%	49.2%
FEMALE (Constant)	48.2%	47.7%	45.4%	42.8%	40.5%	40.0%
FEMALE (Swedish)	48.2%	49.1%	49.5%	49.6%	49.1%	49.6%
FEMALE (Equalization)	48.2%	48.4%	47.3%	46.0%	44.6%	44.2%

Labour force (15+) by highest level of educational attainment. Columns sum to 100%. (CEPAM Medium; Constant participation)

TOTAL E1-E4 - lower secondary and below	14.6%	13.2%	11.1%	8.2%	5.1%	3.2%
TOTAL E5 - upper secondary	52.4%	51.7%	50.3%	49.5%	48.7%	47.0%
TOTAL E6 - short post-secondary	1.4%	1.4%	1.3%	1.3%	1.5%	1.6%
TOTAL E7 - bachelor	11.9%	13.1%	15.7%	18.1%	19.8%	21.4%
TOTAL E8 - master and higher	19.6%	20.6%	21.7%	22.9%	24.9%	26.8%
MALE E1-E4 - lower secondary and below	16.5%	15.0%	12.7%	9.7%	6.3%	4.1%
MALE E5 - upper secondary	57.7%	57.6%	57.0%	56.7%	56.4%	55.7%
MALE E6 - short post-secondary	1.3%	1.2%	1.0%	0.8%	0.8%	0.9%
MALE E7 - bachelor	8.7%	9.8%	12.0%	14.2%	15.8%	17.1%
MALE E8 - master and higher	15.9%	16.5%	17.3%	18.5%	20.6%	22.2%
FEMALE E1-E4 - lower secondary and below	12.3%	11.2%	9.2%	6.4%	3.7%	2.1%
FEMALE E5 - upper secondary	46.4%	45.0%	42.6%	41.2%	39.5%	36.9%
FEMALE E6 - short post-secondary	1.6%	1.6%	1.7%	1.9%	2.2%	2.4%
FEMALE E7 - bachelor	15.7%	16.9%	19.8%	22.6%	24.5%	26.4%
FEMALE E8 - master and higher	24.0%	25.4%	26.7%	27.8%	30.1%	32.2%



Labour force size by educational attainment according to three migration scenarios, 2015-2060 (Labour force participation = Constant scenario)



Croatia

Detailed Human Capital projections to 2060

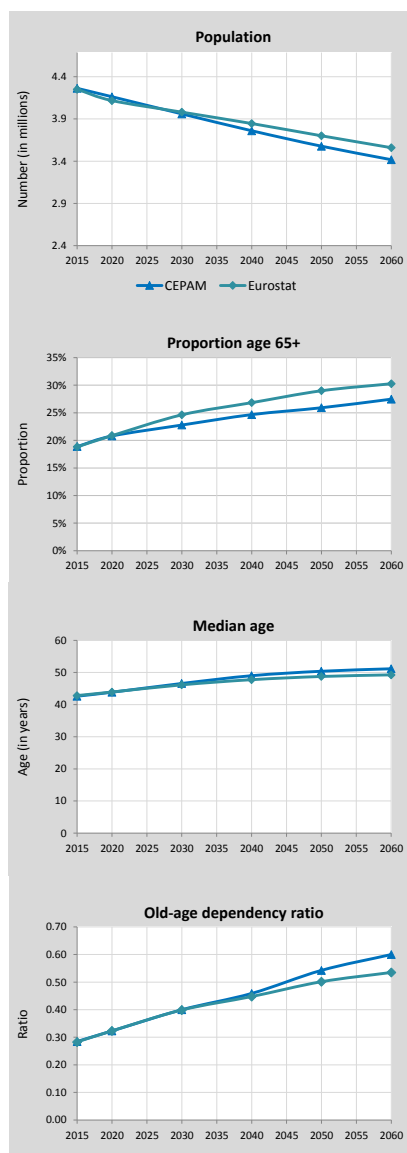
Comparison of CEPAM projections with other sources

Demographic indicators - CEPAM Medium Scenario (SSP2), Eurostat and national projections		2015	2020	2030	2040	2050	2060
Population (in millions)	CEPAM	4.24	4.14	3.93	3.73	3.55	3.39
	Eurostat	4.23	4.09	3.95	3.82	3.67	3.53
	National	-	-	-	-	-	-
Proportion age 65+	CEPAM	18.9%	20.8%	22.8%	24.7%	25.9%	27.5%
	Eurostat	18.8%	20.9%	24.6%	26.8%	29.0%	30.3%
	National	-	-	-	-	-	-
Proportion below age 20	CEPAM	20.5%	19.8%	18.7%	17.4%	16.9%	16.7%
	Eurostat	20.4%	19.5%	18.7%	17.9%	17.8%	17.8%
	National	-	-	-	-	-	-
Median age	CEPAM	42.6	43.9	46.6	49.0	50.4	51.2
	Eurostat	42.8	43.9	46.2	47.8	48.8	49.3
	National	-	-	-	-	-	-
Old-age dependency ratio (65+/15-64)	CEPAM	0.28	0.32	0.40	0.46	0.54	0.60
	Eurostat	0.28	0.32	0.40	0.45	0.50	0.53
	National	-	-	-	-	-	-
Young-age dependency ratio (0-14/15-64)	CEPAM	0.22	0.23	0.22	0.21	0.22	0.22
	Eurostat	0.22	0.23	0.22	0.22	0.23	0.23
	National	-	-	-	-	-	-
Parent support ratio (85+/50-64)	CEPAM	0.09	0.12	0.14	0.21	0.31	0.41
	Eurostat	0.08	0.11	0.15	0.21	0.28	0.33
	National	-	-	-	-	-	-

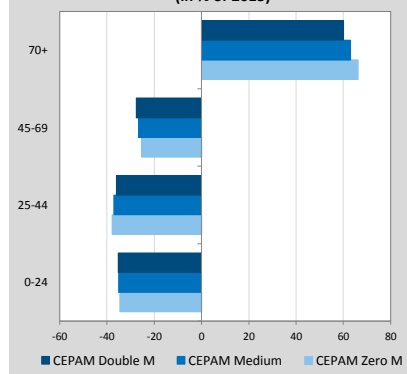
Demographic assumptions underlying projections		2010-2015	2015-2020	2025-2030	2035-2040	2045-2050	2055-2060	
Total fertility rate	CEPAM	1.49	1.49	1.49	1.52	1.54	1.56	
	Eurostat	1.45	1.48	1.50	1.53	1.57	1.60	
	National	-	-	-	-	-	-	
Life expectancy at birth (in years)								
	Male	CEPAM	74.6	75.8	76.9	79.2	81.5	83.8
		Eurostat	75.2	76.3	77.3	79.2	80.9	82.5
National	-	-	-	-	-	-		
Female	CEPAM	81.1	82.2	83.2	85.3	87.4	89.5	
	Eurostat	81.3	82.2	83.0	84.5	85.9	87.3	
National	-	-	-	-	-	-		
Five-year net migration flow (in thousands)	CEPAM	-24.3	-17.4	-11.0	1.3	12.0	20.4	
	Eurostat	-62.7	2.6	15.9	26.8	29.6	26.3	
	National	-	-	-	-	-	-	

Changes in population size and structure according to CEPAM scenarios (impact of migration)

Population size according to CEPAM projections to 2060		2015	2020	2030	2040	2050	2060
Population (in millions)	Zero M	4.24	4.16	4.00	3.81	3.62	3.43
	Medium	4.24	4.14	3.93	3.73	3.55	3.39
	Double M	4.24	4.11	3.87	3.66	3.50	3.37
Population 0-24 (in millions)	Zero M	1.11	1.06	0.97	0.87	0.79	0.73
	Medium	1.11	1.06	0.95	0.84	0.77	0.72
	Double M	1.11	1.05	0.93	0.82	0.75	0.72
Population 25-44 (in millions)	Zero M	1.14	1.09	0.96	0.86	0.80	0.71
	Medium	1.14	1.08	0.93	0.84	0.79	0.72
	Double M	1.14	1.06	0.90	0.82	0.79	0.73
Population 45-69 (in millions)	Zero M	1.43	1.42	1.36	1.31	1.19	1.07
	Medium	1.43	1.42	1.35	1.28	1.15	1.05
	Double M	1.43	1.41	1.34	1.25	1.12	1.03
Population 70+ (in millions)	Zero M	0.55	0.59	0.70	0.78	0.84	0.92
	Medium	0.55	0.59	0.70	0.77	0.84	0.90
	Double M	0.55	0.59	0.70	0.77	0.83	0.89

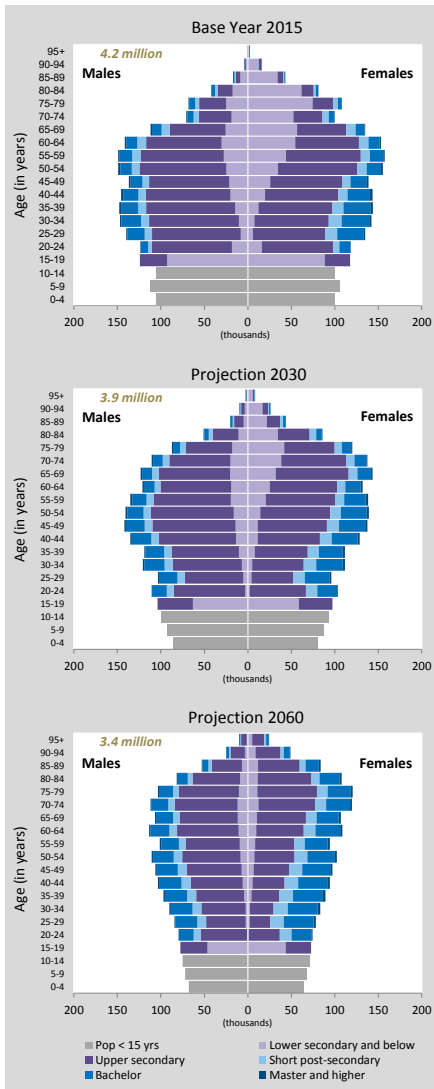


Change in population size between 2015 and 2060 (in % of 2015)



Croatia (Continued)

Pyramids by education, CEPAM Medium

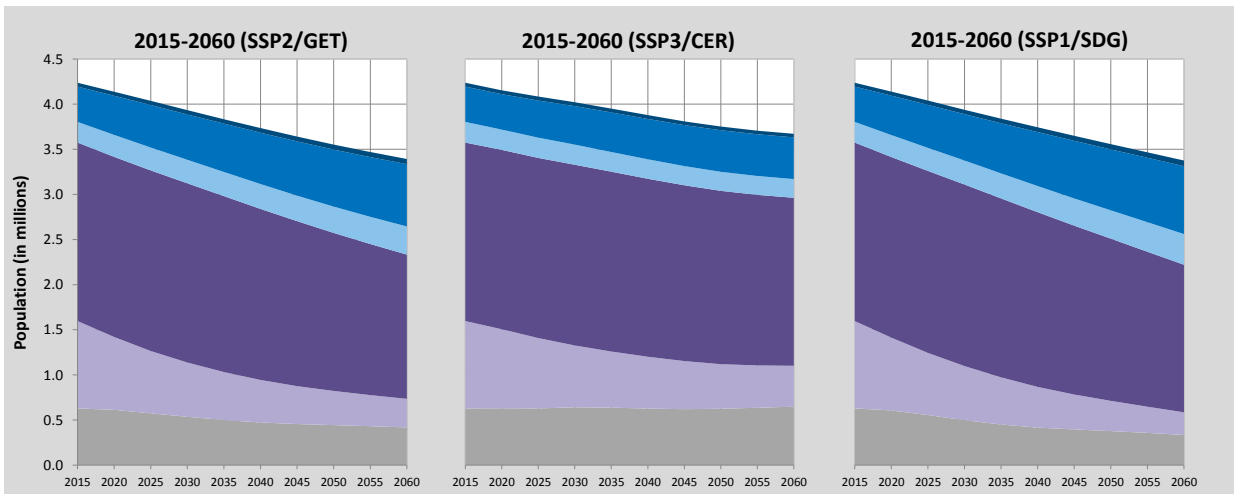


Detailed Human Capital projections to 2060

Human Capital indicators, CEPAM Medium (SSP2)

	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1-E4 - lower secondary and below	24.1%	21.0%	15.9%	12.5%	10.1%	8.4%
E5 - upper secondary	55.8%	57.1%	59.0%	58.8%	57.0%	54.3%
E6 - short post-secondary	7.0%	7.3%	8.0%	8.7%	9.7%	10.9%
E7 - bachelor	11.8%	13.1%	15.5%	18.3%	21.3%	24.4%
E8 - master and higher	1.3%	1.4%	1.6%	1.7%	1.9%	2.1%
Mean years of schooling (in years)	11.25	11.49	11.88	12.14	12.35	12.53
Age gap: highest educational attainment (ratio 35-44/50-64)						
E1-E4 - lower secondary and below	0.48	0.44	0.61	0.69	0.60	0.60
E5 - upper secondary	1.08	1.04	0.97	0.93	0.91	0.87
E6 - short post-secondary	1.04	1.19	1.31	1.28	1.29	1.28
E7 - bachelor	1.70	1.73	1.39	1.26	1.29	1.28
E8 - master and higher	1.48	1.11	0.93	1.20	1.29	1.28
Mean years of schooling (35-44 minus 50-64)	0.93	0.76	0.47	0.48	0.62	0.63
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1-E4 - lower secondary and below	0.57	0.60	0.69	0.78	0.87	0.94
E5 - upper secondary	1.30	1.27	1.22	1.21	1.23	1.28
E6 - short post-secondary	0.89	0.84	0.76	0.71	0.68	0.66
E7 - bachelor	0.89	0.86	0.80	0.77	0.74	0.73
E8 - master and higher	1.06	0.97	0.83	0.74	0.68	0.65
Mean years of schooling (male minus female)	0.76	0.53	0.16	-0.08	-0.22	-0.31
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1-E4 - lower secondary and below	8%	7%	4%	4%	3%	3%
E5 - upper secondary	62%	60%	55%	49%	42%	37%
E6 - short post-secondary	9%	10%	13%	15%	17%	19%
E7 - bachelor	20%	22%	26%	30%	35%	39%
E8 - master and higher	2%	2%	2%	2%	3%	3%
Mean years of schooling (in years)	12.48	12.55	12.82	13.06	13.29	13.49
Age gap among women: highest educational attainment (ratio 35-44/50-64)						
E1-E4 - lower secondary and below	0.39	0.35	0.55	0.69	0.60	0.61
E5 - upper secondary	1.10	1.03	0.95	0.89	0.83	0.79
E6 - short post-secondary	1.17	1.36	1.43	1.32	1.33	1.31
E7 - bachelor	2.04	1.96	1.36	1.26	1.33	1.31
E8 - master and higher	1.86	1.36	1.02	1.24	1.33	1.31
Mean years of schooling (35-44 minus 50-64)	1.66	1.25	0.83	0.67	0.93	0.95

Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG



Colour legend as in pyramids above

Education scenarios

SSP2/GET : Global Education Trend Scenario (Medium assumption)

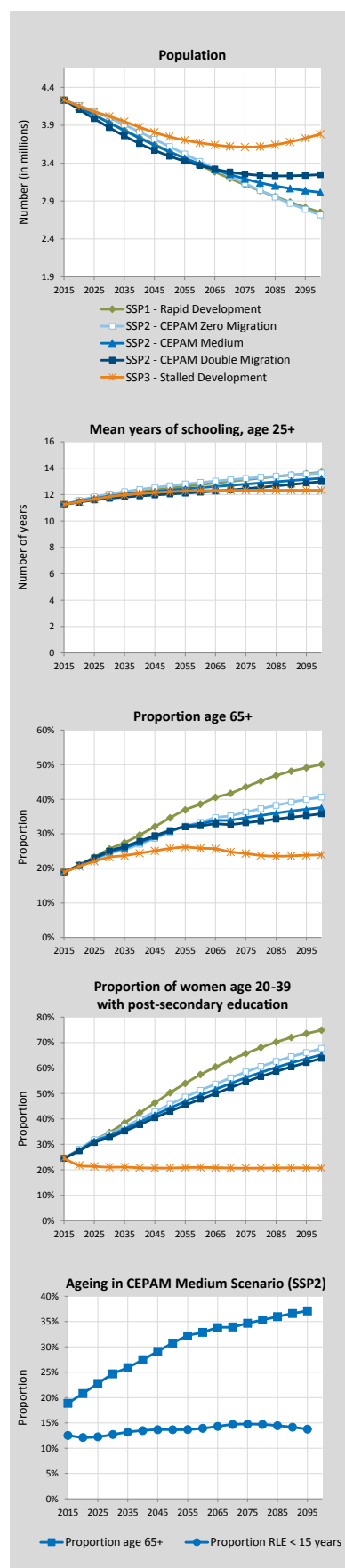
SSP3/CER : Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG : Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

Croatia (Continued)

Alternative scenarios to 2100

Projection results by scenario (SSP1-SSP3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	4.24	4.14	3.94	3.56	3.38	3.12	2.75
SSP2 - CEPAM Zero Migration	4.24	4.16	4.00	3.62	3.43	3.14	2.72
SSP2 - CEPAM Medium	4.24	4.14	3.93	3.55	3.39	3.20	3.02
SSP2 - CEPAM Double Migration	4.24	4.11	3.87	3.50	3.37	3.26	3.25
SSP3 - Stalled Development	4.24	4.15	4.02	3.75	3.67	3.61	3.79
Proportion age 65+							
SSP1 - Rapid Development	18.9%	21.0%	25.6%	34.6%	38.6%	43.5%	50.1%
SSP2 - CEPAM Zero Migration	18.9%	20.7%	24.3%	30.5%	33.3%	36.3%	40.7%
SSP2 - CEPAM Medium	18.9%	20.8%	24.7%	30.8%	32.9%	34.7%	37.6%
SSP2 - CEPAM Double Migration	18.9%	20.9%	25.0%	31.0%	32.3%	33.2%	35.8%
SSP3 - Stalled Development	18.9%	20.5%	23.2%	25.7%	25.8%	24.3%	23.9%
Proportion below age 20							
SSP1 - Rapid Development	20.5%	19.6%	17.8%	14.5%	13.7%	12.3%	11.3%
SSP2 - CEPAM Zero Migration	20.5%	19.8%	18.9%	17.1%	16.7%	15.9%	15.1%
SSP2 - CEPAM Medium	20.5%	19.8%	18.7%	16.9%	16.7%	16.2%	15.9%
SSP2 - CEPAM Double Migration	20.5%	19.7%	18.6%	16.8%	16.8%	16.5%	16.4%
SSP3 - Stalled Development	20.5%	20.1%	21.0%	22.2%	23.3%	24.4%	25.3%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	24.5%	28.0%	34.7%	50.3%	57.4%	65.7%	74.8%
SSP2 - CEPAM Zero Migration	24.5%	28.0%	34.1%	45.8%	51.2%	58.4%	67.7%
SSP2 - CEPAM Medium	24.5%	27.7%	33.4%	44.3%	49.3%	56.2%	65.3%
SSP2 - CEPAM Double Migration	24.5%	27.4%	32.7%	43.0%	47.7%	54.6%	63.8%
SSP3 - Stalled Development	24.5%	21.7%	21.0%	20.7%	20.9%	20.7%	20.7%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	11.3	11.5	11.9	12.5	12.8	13.1	13.7
SSP2 - CEPAM Zero Migration	11.3	11.6	12.0	12.7	12.9	13.2	13.6
SSP2 - CEPAM Medium	11.3	11.5	11.9	12.3	12.5	12.8	13.2
SSP2 - CEPAM Double Migration	11.3	11.4	11.7	12.0	12.2	12.4	13.0
SSP3 - Stalled Development	11.3	11.5	11.8	12.2	12.3	12.3	12.3
Demographic assumptions underlying SSPs							
	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.44	1.38	1.33	1.34	1.35	1.37	1.40
SSP2 - CEPAM Zero Migration	1.49	1.48	1.50	1.54	1.56	1.58	1.61
SSP2 - CEPAM Medium	1.49	1.49	1.51	1.55	1.57	1.59	1.61
SSP2 - CEPAM Double Migration	1.49	1.50	1.51	1.56	1.58	1.60	1.62
SSP3 - Stalled Development	1.62	1.77	1.95	2.12	2.16	2.22	2.29
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	81.6	83.1	86.3	92.5	95.6	100.3	106.6
SSP2 - CEPAM Zero Migration	81.1	82.2	84.3	88.6	90.7	93.9	98.2
SSP2 - CEPAM Medium	81.1	82.2	84.3	88.5	90.6	93.8	98.0
SSP2 - CEPAM Double Migration	81.1	82.1	84.2	88.4	90.5	93.6	97.9
SSP3 - Stalled Development	80.6	81.1	82.2	84.5	85.6	87.2	89.4
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-24.4	-18.2	-7.7	8.7	13.7	18.0	17.7
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-24.3	-17.4	-4.7	16.5	23.8	30.7	32.6
SSP2 - CEPAM Double Migration	-48.5	-34.0	-7.6	32.8	44.8	53.6	50.0
SSP3 - Stalled Development	-16.1	-5.7	0.0	0.0	0.0	0.1	0.1
Ageing indicators by scenario							
	2015	2020	2030	2050	2060	2075	2095
Median age							
SSP1 - Rapid Development	42.6	44.0	47.3	53.5	55.9	60.0	64.2
SSP2 - CEPAM Zero Migration	42.6	43.7	46.2	50.4	51.7	53.9	56.1
SSP2 - CEPAM Medium	42.6	43.9	46.6	50.4	51.2	52.6	53.7
SSP2 - CEPAM Double Migration	42.6	44.0	47.0	50.3	50.6	51.5	52.2
SSP3 - Stalled Development	42.6	43.6	45.1	44.8	43.4	42.2	41.1
Proportion with less than 15 years of remaining life expectancy (RLE)							
SSP1 - Rapid Development	12.5%	12.1%	12.7%	13.7%	13.9%	14.8%	13.8%
SSP2 - CEPAM Zero Migration	12.9%	12.8%	13.8%	14.5%	15.0%	15.5%	14.7%
SSP2 - CEPAM Medium	12.9%	12.9%	14.0%	14.7%	15.1%	14.9%	13.2%
SSP2 - CEPAM Double Migration	12.9%	13.0%	14.2%	14.9%	15.1%	14.2%	12.3%
SSP3 - Stalled Development	13.3%	13.7%	15.0%	15.0%	15.0%	13.3%	11.0%



Croatia (Continued)

Labour force projections to 2060

Labour force indicators

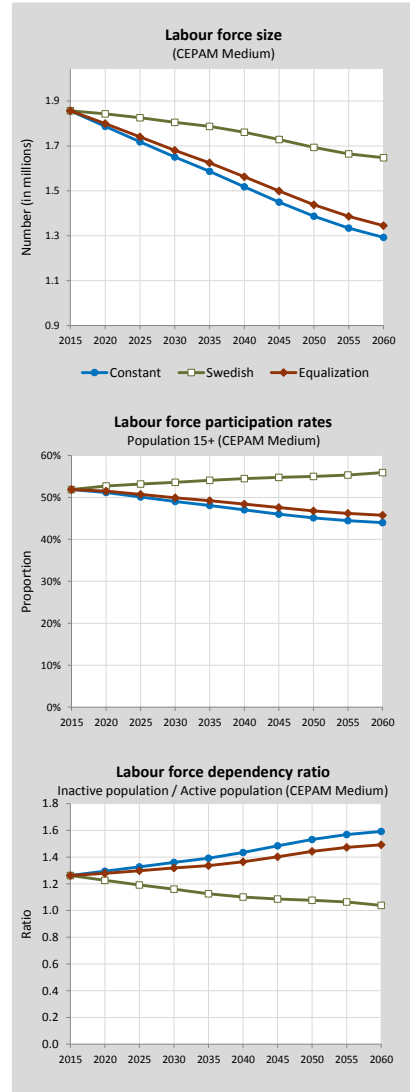
	2015	2020	2030	2040	2050	2060
Labour force size, by participation and migration scenario (in millions)						
Constant (CEPAM Zero Migration)	1.87	1.82	1.71	1.59	1.45	1.32
Constant (CEPAM Medium)	1.87	1.80	1.67	1.53	1.40	1.31
Constant (CEPAM Double Migration)	1.87	1.78	1.62	1.49	1.37	1.30
Swedish (CEPAM Zero Migration)	1.87	1.88	1.87	1.84	1.76	1.68
Swedish (CEPAM Medium)	1.87	1.86	1.82	1.78	1.71	1.66
Swedish (CEPAM Double Migration)	1.87	1.84	1.78	1.72	1.67	1.65
Equalization (CEPAM Zero Migration)	1.87	1.84	1.74	1.63	1.50	1.37
Equalization (CEPAM Medium)	1.87	1.82	1.70	1.58	1.45	1.36
Equalization (CEPAM Double Migration)	1.87	1.80	1.65	1.53	1.42	1.36
Constant (CEPAM Medium-low fertility)	1.87	1.80	1.67	1.52	1.34	1.18
Swedish (CEPAM Medium-low fertility)	1.87	1.86	1.82	1.76	1.63	1.51
Equalization (CEPAM Medium-low fertility)	1.87	1.82	1.70	1.56	1.39	1.23

Labour force participation rates, age 15+, by participation scenario (CEPAM Medium)

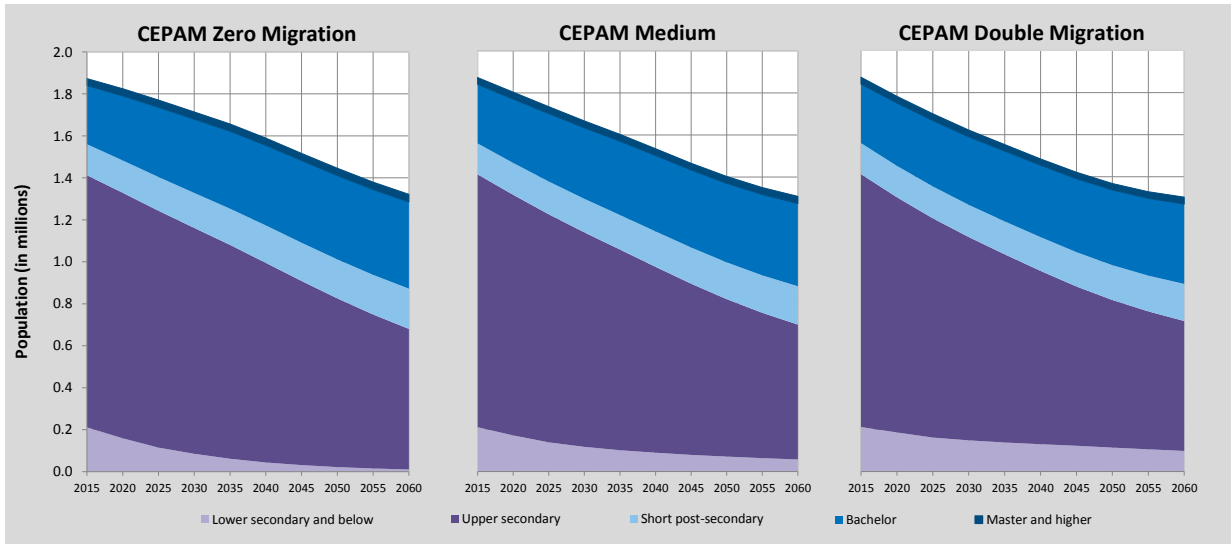
TOTAL (Constant)	51.9%	51.2%	49.1%	47.0%	45.1%	44.0%
TOTAL (Swedish)	51.9%	52.7%	53.6%	54.5%	55.0%	55.9%
TOTAL (Equalization)	51.9%	51.5%	49.9%	48.4%	46.8%	45.8%
MALE (Constant)	58.1%	57.1%	54.4%	52.2%	50.0%	48.2%
MALE (Swedish)	58.1%	58.6%	58.9%	59.7%	60.0%	60.6%
MALE (Equalization)	58.1%	57.1%	54.4%	52.2%	50.0%	48.2%
FEMALE (Constant)	46.3%	45.8%	44.1%	42.2%	40.5%	40.0%
FEMALE (Swedish)	46.3%	47.4%	48.7%	49.6%	50.3%	51.5%
FEMALE (Equalization)	46.3%	46.5%	45.8%	44.8%	43.8%	43.4%

Labour force (15+) by highest level of educational attainment. Columns sum to 100%. (CEPAM Medium; Constant participation)

TOTAL E1-E4 - lower secondary and below	11.3%	9.5%	7.1%	5.8%	5.0%	4.4%
TOTAL E5 - upper secondary	64.2%	63.4%	61.2%	57.6%	53.4%	49.0%
TOTAL E6 - short post-secondary	7.9%	8.4%	9.6%	11.0%	12.5%	13.9%
TOTAL E7 - bachelor	15.0%	16.8%	20.2%	23.5%	26.8%	30.1%
TOTAL E8 - master and higher	1.7%	1.8%	2.0%	2.1%	2.3%	2.6%
MALE E1-E4 - lower secondary and below	11.3%	10.1%	8.0%	6.6%	5.7%	5.0%
MALE E5 - upper secondary	69.1%	68.7%	67.5%	65.1%	62.0%	58.9%
MALE E6 - short post-secondary	6.4%	6.7%	7.4%	8.3%	9.4%	10.5%
MALE E7 - bachelor	11.7%	13.0%	15.5%	18.4%	21.1%	23.7%
MALE E8 - master and higher	1.5%	1.5%	1.6%	1.6%	1.7%	2.0%
FEMALE E1-E4 - lower secondary and below	11.2%	8.9%	6.0%	4.9%	4.2%	3.7%
FEMALE E5 - upper secondary	58.5%	57.3%	53.9%	48.9%	43.3%	37.5%
FEMALE E6 - short post-secondary	9.6%	10.4%	12.0%	14.1%	16.0%	17.9%
FEMALE E7 - bachelor	18.7%	21.2%	25.6%	29.4%	33.4%	37.5%
FEMALE E8 - master and higher	2.0%	2.2%	2.5%	2.7%	3.0%	3.4%



Labour force size by educational attainment according to three migration scenarios, 2015-2060 (Labour force participation = Constant scenario)



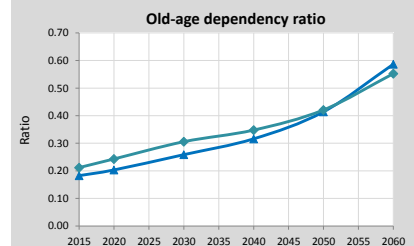
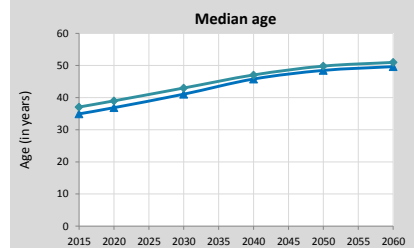
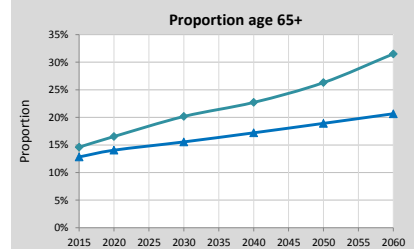
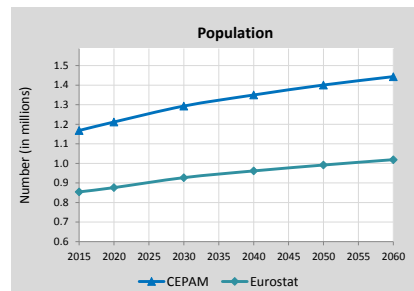
Cyprus

Detailed Human Capital projections to 2060

Comparison of CEPAM projections with other sources

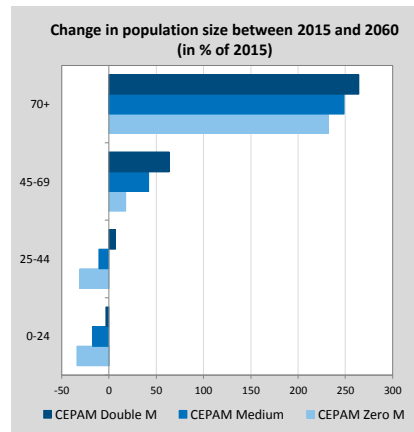
Demographic indicators - CEPAM Medium Scenario (SSP2), Eurostat and national projections		2015	2020	2030	2040	2050	2060
Population (in millions)	CEPAM	1.16	1.20	1.29	1.34	1.39	1.44
	Eurostat	0.85	0.87	0.92	0.95	0.98	1.01
	National	-	-	-	-	-	-
Proportion age 65+	CEPAM	12.8%	14.1%	15.6%	17.2%	18.9%	20.7%
	Eurostat	14.6%	16.5%	20.2%	22.7%	26.3%	31.5%
	National	-	-	-	-	-	-
Proportion below age 20	CEPAM	23.6%	22.3%	21.6%	19.5%	17.7%	15.1%
	Eurostat	22.7%	20.6%	18.5%	16.4%	14.9%	15.1%
	National	-	-	-	-	-	-
Median age	CEPAM	34.9	36.9	41.1	45.8	48.5	49.7
	Eurostat	37.1	39.0	43.0	47.1	49.8	51.0
	National	-	-	-	-	-	-
Old-age dependency ratio (65+/15-64)	CEPAM	0.18	0.20	0.26	0.32	0.41	0.59
	Eurostat	0.21	0.24	0.31	0.35	0.42	0.55
	National	-	-	-	-	-	-
Young-age dependency ratio (0-14/15-64)	CEPAM	0.24	0.24	0.25	0.21	0.21	0.24
	Eurostat	0.24	0.23	0.21	0.18	0.18	0.20
	National	-	-	-	-	-	-
Parent support ratio (85+/50-64)	CEPAM	0.07	0.08	0.10	0.14	0.20	0.36
	Eurostat	0.08	0.09	0.13	0.17	0.21	0.28
	National	-	-	-	-	-	-

Demographic assumptions underlying projections		2010-2015	2015-2020	2025-2030	2035-2040	2045-2050	2055-2060	
Total fertility rate	CEPAM	1.45	1.51	1.53	1.58	1.60	1.62	
	Eurostat	1.33	1.36	1.39	1.44	1.49	1.55	
	National	-	-	-	-	-	-	
Life expectancy at birth (in years)								
	Male	CEPAM	78.6	79.7	80.8	82.9	85.1	87.2
		Eurostat	80.9	81.7	82.4	83.6	84.7	85.8
National		-	-	-	-	-	-	
Female	CEPAM	82.8	83.9	85.0	87.1	89.3	91.4	
	Eurostat	84.6	85.3	85.9	87.0	88.1	89.1	
	National	-	-	-	-	-	-	
Five-year net migration flow (in thousands)	CEPAM	15.5	16.7	17.8	19.8	21.5	22.7	
	Eurostat	2.5	9.8	12.9	20.4	23.0	23.3	
	National	-	-	-	-	-	-	



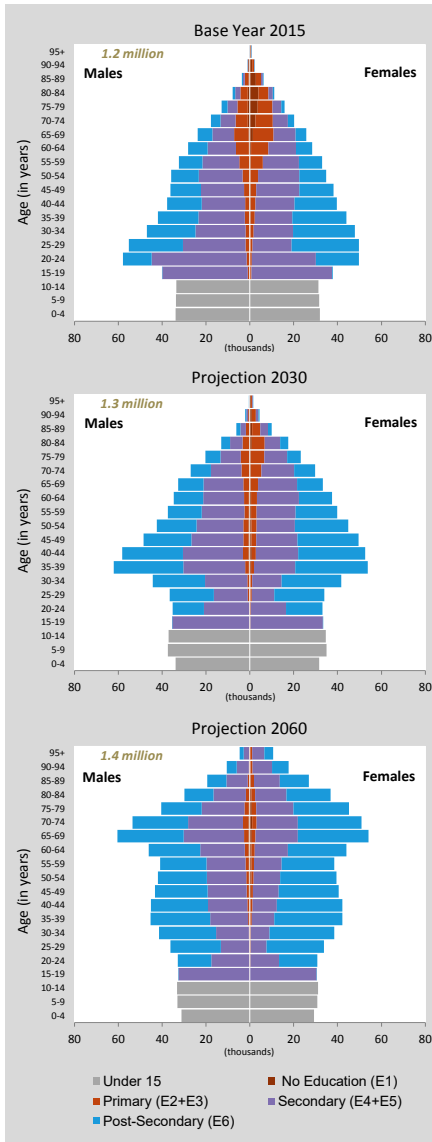
Changes in population size and structure according to CEPAM scenarios (impact of migration)

Population size according to CEPAM projections to 2060		2015	2020	2030	2040	2050	2060
Population (in millions)	Zero M	1.16	1.19	1.23	1.23	1.23	1.21
	Medium	1.16	1.20	1.29	1.34	1.39	1.44
	Double M	1.16	1.22	1.34	1.44	1.54	1.64
Population 0-24 (in millions)	Zero M	0.38	0.34	0.33	0.30	0.27	0.25
	Medium	0.38	0.35	0.35	0.34	0.32	0.32
	Double M	0.38	0.35	0.36	0.37	0.36	0.37
Population 25-44 (in millions)	Zero M	0.36	0.39	0.35	0.27	0.27	0.25
	Medium	0.36	0.40	0.38	0.32	0.32	0.32
	Double M	0.36	0.41	0.41	0.36	0.38	0.39
Population 45-69 (in millions)	Zero M	0.32	0.34	0.39	0.46	0.44	0.37
	Medium	0.32	0.34	0.40	0.49	0.49	0.45
	Double M	0.32	0.34	0.41	0.51	0.54	0.52
Population 70+ (in millions)	Zero M	0.10	0.12	0.15	0.20	0.25	0.33
	Medium	0.10	0.12	0.16	0.20	0.26	0.35
	Double M	0.10	0.12	0.16	0.21	0.27	0.36



Cyprus (Continued)

Pyramids by education, CEPAM Medium



Detailed Human Capital projections to 2060

Human Capital indicators, CEPAM Medium (SSP2)

	2015	2020	2030	2040	2050	2060
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Population age 25+: highest educational attainment (columns sum to 100%)

E1 - no education	3.1%	2.3%	1.5%	1.3%	1.2%	1.1%
E2 - incomplete primary	0.0%	0.2%	0.3%	0.5%	0.5%	0.6%
E3 - primary	13.3%	10.8%	7.2%	4.8%	3.3%	2.5%
E4 - lower secondary	9.0%	8.8%	8.2%	7.4%	6.5%	5.6%
E5 - upper secondary	35.7%	35.9%	35.9%	35.3%	33.9%	32.4%
E6 - post-secondary	38.8%	42.0%	46.8%	50.8%	54.6%	57.8%
Mean years of schooling (in years)	12.17	12.54	13.03	13.36	13.62	13.82

Age gap: highest educational attainment (ratio 35-44/50-64)

E1 - no education	0.54	0.89	0.72	0.59	0.54	0.37
E2 - incomplete primary	0.75	3.59	1.66	0.88	0.58	0.40
E3 - primary	0.28	0.37	0.42	0.41	0.43	0.42
E4 - lower secondary	0.81	0.75	0.65	0.58	0.52	0.48
E5 - upper secondary	0.91	0.83	0.89	0.93	0.90	0.89
E6 - post-secondary	1.54	1.45	1.25	1.18	1.17	1.16
Mean years of schooling (35-44 minus 50-64)	1.44	1.07	0.75	0.68	0.67	0.69

Gender gap (population age 25+): highest educational attainment (ratio male/female)

E1 - no education	0.41	0.45	0.61	0.72	0.73	0.70
E2 - incomplete primary	1.04	1.04	1.03	1.02	1.00	0.97
E3 - primary	0.81	0.77	0.76	0.80	0.89	0.97
E4 - lower secondary	1.04	1.04	1.05	1.06	1.09	1.13
E5 - upper secondary	1.24	1.23	1.23	1.26	1.30	1.35
E6 - post-secondary	0.94	0.92	0.90	0.87	0.85	0.84
Mean years of schooling (male minus female)	0.17	0.11	-0.01	-0.09	-0.15	-0.18

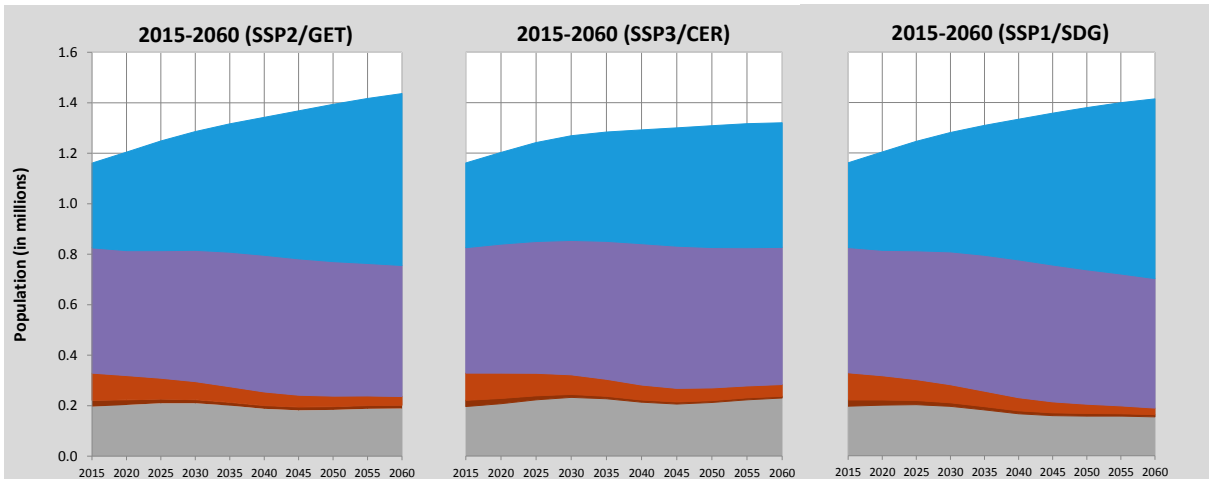
Women age 20-39: highest educational attainment (columns sum to 100%)

E1 - no education	0.4%	0.7%	0.6%	0.6%	0.4%	0.3%
E2 - incomplete primary	0.0%	0.3%	0.3%	0.3%	0.3%	0.2%
E3 - primary	3.1%	2.7%	1.5%	1.0%	0.8%	0.6%
E4 - lower secondary	8.6%	7.0%	4.9%	3.4%	2.5%	1.9%
E5 - upper secondary	41.7%	38.8%	36.9%	35.8%	33.7%	31.9%
E6 - post-secondary	46.2%	50.6%	55.7%	58.7%	62.3%	65.1%
Mean years of schooling (in years)	13.73	13.84	14.14	14.35	14.57	14.73

Age gap among women: highest educational attainment (ratio 35-44/50-64)

E1 - no education	0.52	0.94	0.78	0.60	0.53	0.37
E2 - incomplete primary	0.73	3.61	1.77	0.87	0.56	0.40
E3 - primary	0.24	0.31	0.37	0.40	0.44	0.42
E4 - lower secondary	0.74	0.64	0.57	0.55	0.49	0.45
E5 - upper secondary	0.83	0.75	0.85	0.89	0.83	0.81
E6 - post-secondary	1.75	1.60	1.28	1.17	1.18	1.17
Mean years of schooling (35-44 minus 50-64)	1.82	1.39	0.87	0.71	0.73	0.76

Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG



Colour legend as in pyramids above

Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

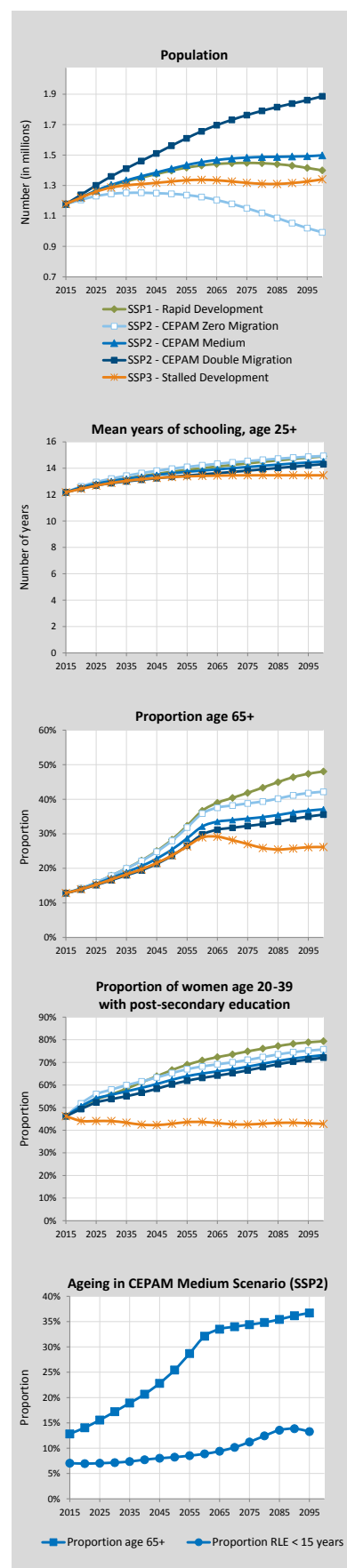
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

Cyprus (Continued)

Alternative scenarios to 2100

Projection results by scenario (SSP1-SSP3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	1.16	1.20	1.28	1.38	1.41	1.43	1.38
SSP2 - CEPAM Zero Migration	1.16	1.19	1.23	1.23	1.21	1.13	0.98
SSP2 - CEPAM Medium	1.16	1.20	1.29	1.39	1.44	1.47	1.48
SSP2 - CEPAM Double Migration	1.16	1.22	1.34	1.54	1.64	1.75	1.87
SSP3 - Stalled Development	1.16	1.20	1.27	1.31	1.32	1.30	1.32
Proportion age 65+							
SSP1 - Rapid Development	12.8%	14.2%	17.9%	28.3%	36.7%	41.9%	48.1%
SSP2 - CEPAM Zero Migration	12.8%	14.2%	17.9%	28.0%	35.9%	38.8%	42.2%
SSP2 - CEPAM Medium	12.8%	14.1%	17.2%	25.4%	32.1%	34.4%	37.1%
SSP2 - CEPAM Double Migration	12.8%	13.9%	16.6%	23.6%	29.8%	32.3%	35.6%
SSP3 - Stalled Development	12.8%	14.0%	16.8%	23.7%	28.9%	27.0%	26.2%
Proportion below age 20							
SSP1 - Rapid Development	23.6%	22.1%	20.6%	15.5%	14.7%	13.0%	12.0%
SSP2 - CEPAM Zero Migration	23.6%	22.3%	21.4%	16.9%	16.7%	15.3%	15.0%
SSP2 - CEPAM Medium	23.6%	22.3%	21.6%	17.7%	17.5%	16.5%	16.2%
SSP2 - CEPAM Double Migration	23.6%	22.3%	21.8%	18.2%	18.0%	17.0%	16.5%
SSP3 - Stalled Development	23.6%	22.6%	23.6%	21.5%	22.7%	22.9%	24.0%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	46.2%	50.3%	55.8%	66.6%	70.8%	74.9%	79.3%
SSP2 - CEPAM Zero Migration	46.2%	51.8%	57.9%	65.2%	68.2%	71.1%	75.7%
SSP2 - CEPAM Medium	46.2%	50.6%	55.7%	62.3%	65.1%	68.1%	73.2%
SSP2 - CEPAM Double Migration	46.2%	49.3%	53.7%	60.2%	63.1%	66.5%	72.1%
SSP3 - Stalled Development	46.2%	44.1%	44.0%	42.9%	43.7%	42.6%	42.8%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	12.2	12.5	13.0	13.7	14.0	14.4	14.9
SSP2 - CEPAM Zero Migration	12.2	12.6	13.2	14.0	14.2	14.5	14.9
SSP2 - CEPAM Medium	12.2	12.5	13.0	13.6	13.8	14.1	14.5
SSP2 - CEPAM Double Migration	12.2	12.5	12.9	13.4	13.5	13.8	14.3
SSP3 - Stalled Development	12.2	12.4	12.9	13.3	13.4	13.5	13.5
Demographic assumptions underlying SSPs							
	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.40	1.40	1.38	1.40	1.41	1.42	1.44
SSP2 - CEPAM Zero Migration	1.45	1.50	1.55	1.61	1.61	1.63	1.64
SSP2 - CEPAM Medium	1.45	1.51	1.56	1.61	1.62	1.63	1.65
SSP2 - CEPAM Double Migration	1.45	1.51	1.56	1.62	1.62	1.63	1.65
SSP3 - Stalled Development	1.56	1.76	1.97	2.13	2.15	2.17	2.21
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	83.3	84.9	88.1	94.3	97.5	102.2	108.5
SSP2 - CEPAM Zero Migration	82.8	83.9	86.1	90.4	92.6	95.9	100.2
SSP2 - CEPAM Medium	82.8	83.9	86.0	90.3	92.5	95.7	100.0
SSP2 - CEPAM Double Migration	82.8	83.9	86.0	90.3	92.4	95.6	99.9
SSP3 - Stalled Development	82.3	82.9	84.1	86.4	87.5	89.1	91.3
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	15.6	16.6	18.0	19.6	19.6	18.8	16.6
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	15.5	16.7	18.8	22.2	23.1	23.8	23.3
SSP2 - CEPAM Double Migration	31.1	32.9	35.9	40.0	40.5	40.0	36.9
SSP3 - Stalled Development	10.4	5.7	0.0	0.0	0.0	0.0	0.1
Ageing indicators by scenario							
	2015	2020	2030	2050	2060	2075	2095
Median age							
SSP1 - Rapid Development	34.9	37.0	41.6	51.1	53.8	58.1	62.4
SSP2 - CEPAM Zero Migration	34.9	37.1	41.7	50.9	52.6	55.4	57.2
SSP2 - CEPAM Medium	34.9	36.9	41.1	48.5	49.7	51.9	52.9
SSP2 - CEPAM Double Migration	34.9	36.7	40.5	46.9	48.1	50.4	51.6
SSP3 - Stalled Development	34.9	36.8	40.6	45.7	44.6	44.6	42.7
Proportion with less than 15 years of remaining life expectancy (RLE)							
SSP1 - Rapid Development	7.0%	6.9%	7.2%	8.2%	8.9%	11.2%	13.3%
SSP2 - CEPAM Zero Migration	7.3%	7.6%	8.4%	10.5%	11.9%	16.0%	14.0%
SSP2 - CEPAM Medium	7.3%	7.5%	8.1%	9.4%	10.3%	13.3%	11.5%
SSP2 - CEPAM Double Migration	7.3%	7.4%	7.8%	8.7%	9.3%	11.9%	10.6%
SSP3 - Stalled Development	7.6%	8.0%	9.1%	11.4%	13.1%	15.4%	10.6%



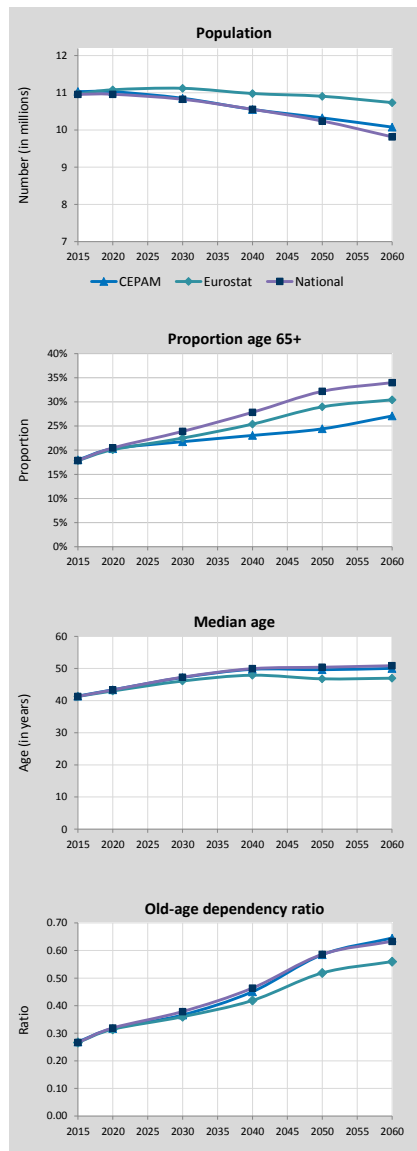
Czech Republic

Detailed Human Capital projections to 2060

Comparison of CEPAM projections with other sources

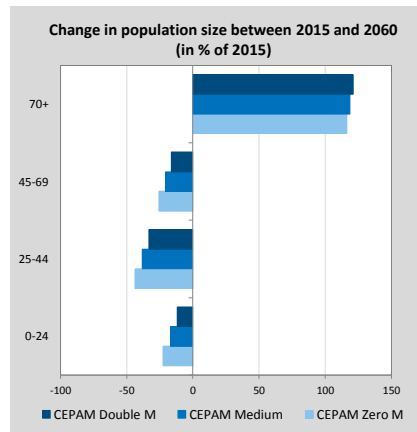
Demographic indicators - CEPAM Medium Scenario (SSP2), Eurostat and national projections		2015	2020	2030	2040	2050	2060
Population (in millions)	CEPAM	10.60	10.60	10.42	10.13	9.90	9.65
	Eurostat	10.54	10.65	10.69	10.55	10.48	10.31
	National	10.53	10.53	10.40	10.13	9.81	9.39
Proportion age 65+	CEPAM	18.0%	20.3%	21.8%	23.1%	24.4%	27.1%
	Eurostat	17.8%	20.1%	22.5%	25.4%	29.0%	30.4%
	National	17.9%	20.5%	23.9%	27.8%	32.2%	34.0%
Proportion below age 20	CEPAM	19.4%	20.2%	19.3%	17.6%	18.0%	18.4%
	Eurostat	19.6%	20.5%	20.3%	19.2%	19.8%	20.5%
	National	19.5%	19.9%	18.4%	16.7%	17.0%	17.0%
Median age	CEPAM	41.4	43.4	47.2	49.7	49.6	50.0
	Eurostat	41.3	43.0	46.1	47.9	46.8	47.0
	National	41.3	43.3	47.3	50.0	50.4	50.9
Old-age dependency ratio (65+/15-64)	CEPAM	0.27	0.32	0.37	0.45	0.58	0.65
	Eurostat	0.27	0.31	0.36	0.42	0.52	0.56
	National	0.27	0.32	0.38	0.46	0.59	0.63
Young-age dependency ratio (0-14/15-64)	CEPAM	0.23	0.25	0.22	0.21	0.25	0.26
	Eurostat	0.23	0.25	0.24	0.23	0.27	0.28
	National	0.23	0.24	0.21	0.20	0.23	0.23
Parent support ratio (85+/50-64)	CEPAM	0.09	0.10	0.12	0.21	0.31	0.49
	Eurostat	0.09	0.11	0.13	0.20	0.27	0.40
	National	0.09	0.11	0.15	0.25	0.34	0.47

Demographic assumptions underlying projections		2010-2015	2015-2020	2025-2030	2035-2040	2045-2050	2055-2060
Total fertility rate	CEPAM	1.53	1.59	1.61	1.66	1.69	1.71
	Eurostat	1.64	1.70	1.73	1.76	1.78	1.80
	National	-	-	-	-	-	-
Life expectancy at birth (in years)	CEPAM	76.0	77.1	78.2	80.3	82.4	84.5
	Eurostat	76.3	77.3	78.2	79.9	81.6	83.1
	National	-	-	-	-	-	-
Male	CEPAM	81.8	82.8	83.9	86.0	88.1	90.2
	Eurostat	82.2	83.0	83.8	85.2	86.5	87.8
	National	-	-	-	-	-	-
Female	CEPAM	26.7	31.7	36.8	46.7	55.0	61.2
	Eurostat	103.8	95.1	88.3	98.0	77.7	54.9
	National	-	-	-	-	-	-



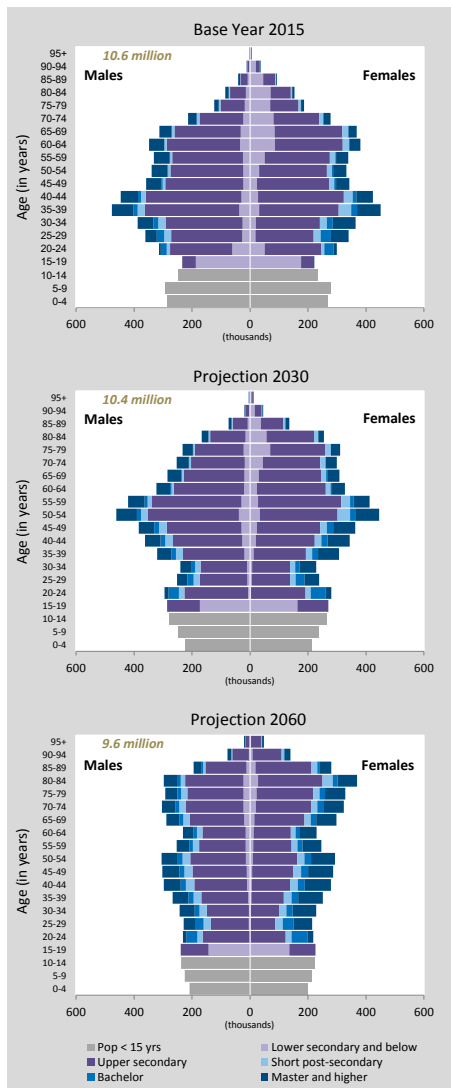
Changes in population size and structure according to CEPAM scenarios (impact of migration)

Population size according to CEPAM projections to 2060		2015	2020	2030	2040	2050	2060
Population (in millions)	Zero M	10.60	10.57	10.31	9.90	9.54	9.12
	Medium	10.60	10.60	10.42	10.13	9.90	9.65
	Double M	10.60	10.63	10.53	10.34	10.23	10.13
Population 0-24 (in millions)	Zero M	2.67	2.59	2.56	2.26	2.12	2.07
	Medium	2.67	2.60	2.59	2.33	2.23	2.22
	Double M	2.67	2.61	2.63	2.40	2.33	2.36
Population 25-44 (in millions)	Zero M	3.25	2.98	2.24	2.04	2.12	1.83
	Medium	3.25	3.00	2.29	2.14	2.25	2.01
	Double M	3.25	3.01	2.35	2.23	2.37	2.17
Population 45-69 (in millions)	Zero M	3.45	3.53	3.71	3.63	2.84	2.56
	Medium	3.45	3.53	3.73	3.68	2.95	2.73
	Double M	3.45	3.53	3.75	3.74	3.05	2.89
Population 70+ (in millions)	Zero M	1.23	1.47	1.81	1.97	2.46	2.66
	Medium	1.23	1.47	1.81	1.97	2.47	2.69
	Double M	1.23	1.47	1.81	1.98	2.48	2.71



Czech Republic (Continued)

Pyramids by education, CEPAM Medium



Detailed Human Capital projections to 2060

Human Capital indicators, CEPAM Medium (SSP2)

	2015	2020	2030	2040	2050	2060
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Population age 25+: highest educational attainment (columns sum to 100%)

E1-E4 - lower secondary and below	12.4%	11.0%	8.8%	7.0%	5.7%	4.9%
E5 - upper secondary	66.7%	66.7%	66.2%	64.5%	62.1%	59.2%
E6 - short post-secondary	5.1%	5.4%	5.9%	6.6%	7.5%	8.3%
E7 - bachelor	2.3%	2.7%	3.4%	4.5%	5.4%	6.3%
E8 - master and higher	13.5%	14.3%	15.7%	17.4%	19.4%	21.3%
Mean years of schooling (in years)	12.55	12.73	13.04	13.39	13.73	14.04

Age gap: highest educational attainment (ratio 35-44/50-64)

E1-E4 - lower secondary and below	0.57	0.82	0.80	0.62	0.48	0.50
E5 - upper secondary	0.98	0.90	0.90	0.95	0.93	0.91
E6 - short post-secondary	1.64	1.86	1.27	1.14	1.23	1.20
E7 - bachelor	4.93	3.87	1.91	1.30	1.23	1.21
E8 - master and higher	1.10	1.18	1.27	1.20	1.23	1.21
Mean years of schooling (35-44 minus 50-64)	0.83	1.07	1.33	0.81	0.60	0.56

Gender gap (population age 25+): highest educational attainment (ratio male/female)

E1-E4 - lower secondary and below	0.52	0.57	0.69	0.86	1.04	1.15
E5 - upper secondary	1.14	1.13	1.11	1.11	1.13	1.17
E6 - short post-secondary	0.66	0.69	0.74	0.82	0.90	0.95
E7 - bachelor	0.81	0.81	0.81	0.79	0.77	0.76
E8 - master and higher	1.12	1.03	0.91	0.81	0.74	0.70
Mean years of schooling (male minus female)	0.34	0.21	0.01	-0.17	-0.34	-0.47

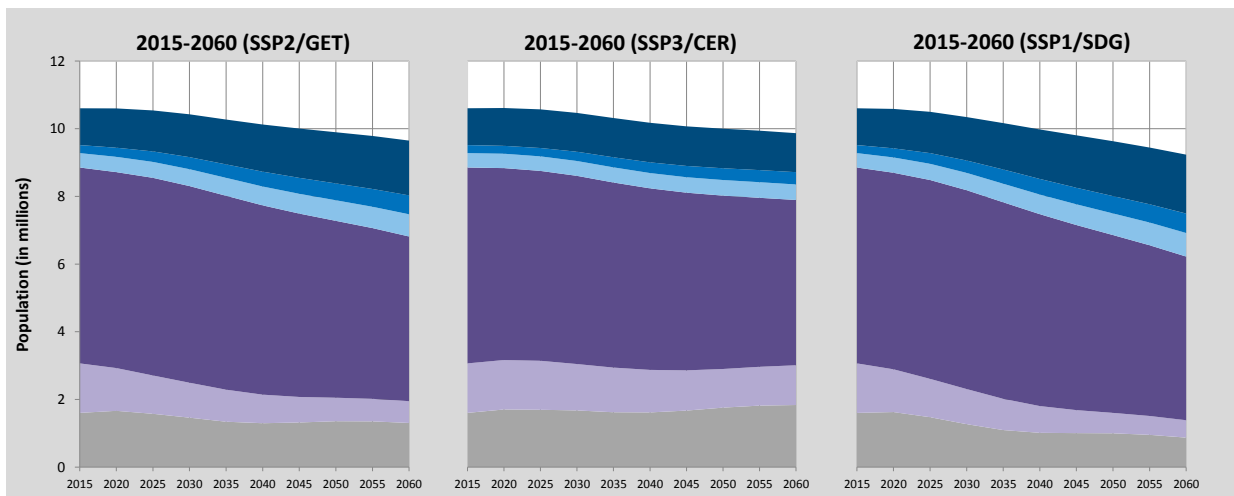
Women age 20-39: highest educational attainment (columns sum to 100%)

E1-E4 - lower secondary and below	8%	6%	3%	2%	1%	1%
E5 - upper secondary	61%	61%	60%	55%	50%	46%
E6 - short post-secondary	7%	7%	7%	8%	10%	10%
E7 - bachelor	7%	9%	11%	13%	13%	15%
E8 - master and higher	16%	18%	19%	22%	26%	28%
Mean years of schooling (in years)	13.61	14.05	14.33	14.61	14.89	15.09

Age gap among women: highest educational attainment (ratio 35-44/50-64)

E1-E4 - lower secondary and below	0.42	0.63	0.69	0.55	0.44	0.48
E5 - upper secondary	0.99	0.87	0.88	0.93	0.89	0.85
E6 - short post-secondary	1.54	1.56	0.94	1.02	1.26	1.24
E7 - bachelor	5.05	4.09	1.94	1.31	1.26	1.24
E8 - master and higher	1.33	1.47	1.51	1.27	1.26	1.24
Mean years of schooling (35-44 minus 50-64)	1.72	1.88	1.85	1.20	0.85	0.88

Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG



Colour legend as in pyramids above

Education scenarios

SSP2/GET : Global Education Trend Scenario (Medium assumption)

SSP3/CER : Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG : Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

Czech Republic (Continued)

Alternative scenarios to 2100

Projection results by scenario (SSP1-SSP3)

	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	10.60	10.59	10.35	9.63	9.23	8.44	7.35
SSP2 - CEPAM Zero Migration	10.60	10.57	10.32	9.54	9.12	8.33	7.59
SSP2 - CEPAM Medium	10.60	10.60	10.42	9.90	9.65	9.15	8.93
SSP2 - CEPAM Double Migration	10.60	10.63	10.53	10.24	10.13	9.87	10.06
SSP3 - Stalled Development	10.60	10.61	10.47	10.00	9.87	9.76	10.70

Proportion age 65+

SSP1 - Rapid Development	18.0%	20.5%	24.2%	36.5%	41.1%	44.4%	51.7%
SSP2 - CEPAM Zero Migration	18.0%	20.3%	23.3%	32.8%	35.3%	34.3%	37.8%
SSP2 - CEPAM Medium	18.0%	20.3%	23.1%	31.8%	33.9%	32.7%	35.8%
SSP2 - CEPAM Double Migration	18.0%	20.2%	22.8%	31.0%	32.8%	31.6%	34.6%
SSP3 - Stalled Development	18.0%	20.1%	22.0%	27.8%	27.6%	22.9%	22.4%

Proportion below age 20

SSP1 - Rapid Development	19.4%	19.9%	17.7%	13.8%	13.2%	11.3%	10.2%
SSP2 - CEPAM Zero Migration	19.4%	20.2%	19.3%	17.8%	18.1%	17.2%	16.7%
SSP2 - CEPAM Medium	19.4%	20.2%	19.3%	18.0%	18.4%	17.6%	17.1%
SSP2 - CEPAM Double Migration	19.4%	20.2%	19.4%	18.2%	18.6%	17.9%	17.4%
SSP3 - Stalled Development	19.4%	20.6%	21.3%	22.8%	24.6%	25.6%	26.4%

Proportion of women age 20-39 with post-secondary education

SSP1 - Rapid Development	26.0%	28.9%	33.6%	46.7%	52.2%	60.5%	69.7%
SSP2 - CEPAM Zero Migration	26.0%	28.8%	32.6%	41.3%	45.1%	51.2%	60.1%
SSP2 - CEPAM Medium	26.0%	28.7%	32.4%	40.9%	44.7%	50.8%	59.7%
SSP2 - CEPAM Double Migration	26.0%	28.6%	32.2%	40.7%	44.4%	50.6%	59.5%
SSP3 - Stalled Development	26.0%	24.8%	22.8%	23.3%	23.1%	23.0%	22.9%

Mean years of schooling, age 25+

SSP1 - Rapid Development	12.6	12.7	13.0	13.8	14.1	14.7	15.4
SSP2 - CEPAM Zero Migration	12.6	12.8	13.1	13.9	14.2	14.7	15.2
SSP2 - CEPAM Medium	12.6	12.7	13.0	13.7	14.0	14.5	15.1
SSP2 - CEPAM Double Migration	12.6	12.7	13.0	13.6	13.9	14.4	15.0
SSP3 - Stalled Development	12.6	12.7	13.0	13.5	13.7	13.8	13.8

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.43	1.37	1.28	1.26	1.27	1.27	1.27
SSP2 - CEPAM Zero Migration	1.53	1.59	1.63	1.70	1.71	1.71	1.71
SSP2 - CEPAM Medium	1.53	1.59	1.63	1.70	1.71	1.71	1.71
SSP2 - CEPAM Double Migration	1.53	1.59	1.64	1.70	1.71	1.71	1.72
SSP3 - Stalled Development	1.65	1.88	2.09	2.27	2.30	2.34	2.38

Life expectancy at birth for females (in years)

SSP1 - Rapid Development	82.3	83.8	87.0	93.2	96.3	101.0	107.2
SSP2 - CEPAM Zero Migration	81.8	82.8	85.0	89.2	91.3	94.5	98.8
SSP2 - CEPAM Medium	81.8	82.8	85.0	89.2	91.3	94.5	98.7
SSP2 - CEPAM Double Migration	81.8	82.8	84.9	89.2	91.3	94.4	98.7
SSP3 - Stalled Development	81.3	81.8	82.9	85.2	86.3	87.9	90.0

Migration – net flow over five years (in thousands)

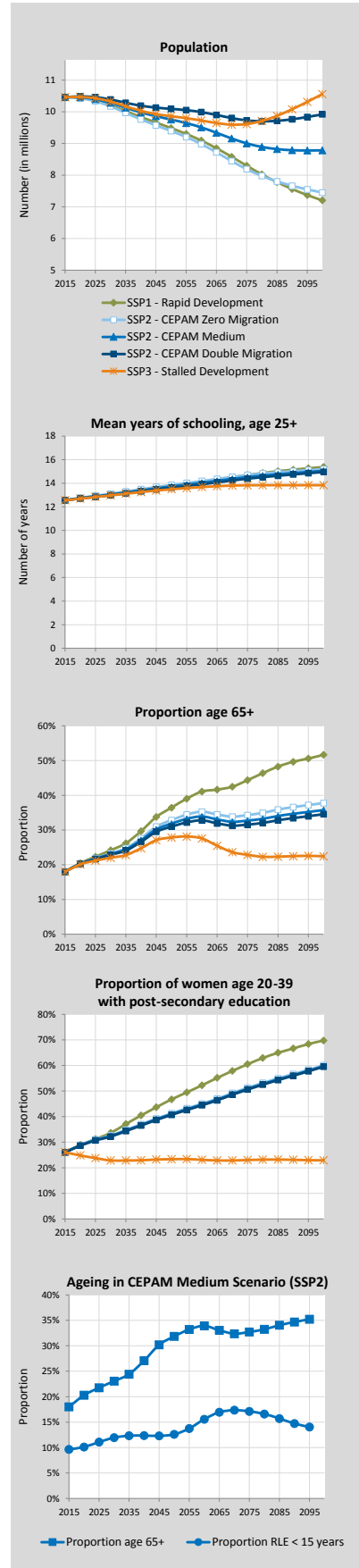
SSP1 - Rapid Development	26.7	31.3	39.3	51.5	54.6	57.2	53.6
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	26.7	31.7	41.9	58.3	63.9	69.3	68.3
SSP2 - CEPAM Double Migration	53.4	62.6	80.9	109.1	117.8	125.0	118.8
SSP3 - Stalled Development	17.8	10.8	0.1	0.1	0.1	0.1	0.1

Ageing indicators by scenario

	2015	2020	2030	2050	2060	2075	2095
Median age							
SSP1 - Rapid Development	41.4	43.5	48.2	55.0	56.5	60.9	65.6
SSP2 - CEPAM Zero Migration	41.4	43.4	47.5	50.6	51.0	52.3	53.0
SSP2 - CEPAM Medium	41.4	43.4	47.2	49.6	50.0	50.9	51.5
SSP2 - CEPAM Double Migration	41.4	43.3	46.9	48.9	49.3	50.0	50.6
SSP3 - Stalled Development	41.4	43.2	46.2	44.4	43.0	40.2	39.7

Proportion with less than 15 years of remaining life expectancy (RLE)

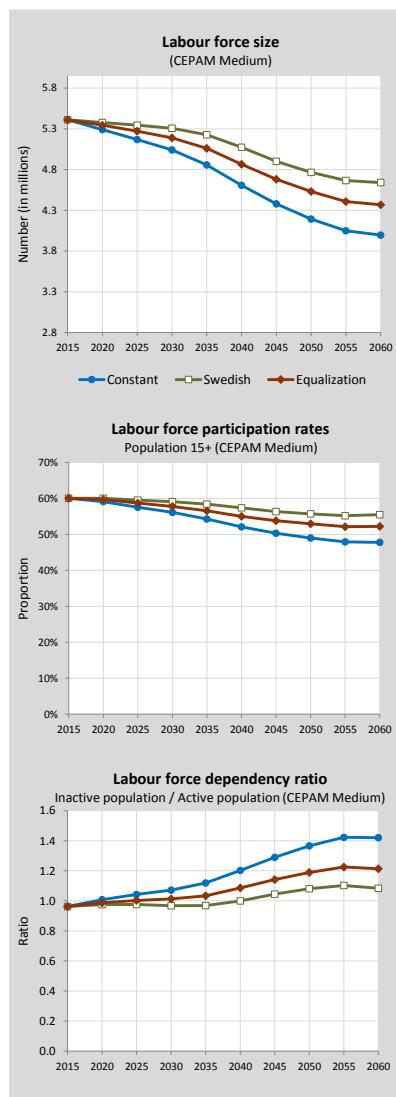
SSP1 - Rapid Development	9.6%	10.1%	12.0%	12.6%	15.6%	17.1%	14.0%
SSP2 - CEPAM Zero Migration	10.1%	11.0%	13.0%	13.9%	16.9%	16.1%	13.5%
SSP2 - CEPAM Medium	10.1%	11.0%	12.9%	13.4%	16.1%	15.1%	12.5%
SSP2 - CEPAM Double Migration	10.1%	10.9%	12.8%	13.0%	15.4%	14.3%	11.9%
SSP3 - Stalled Development	10.5%	11.8%	13.8%	14.9%	16.0%	12.4%	10.3%



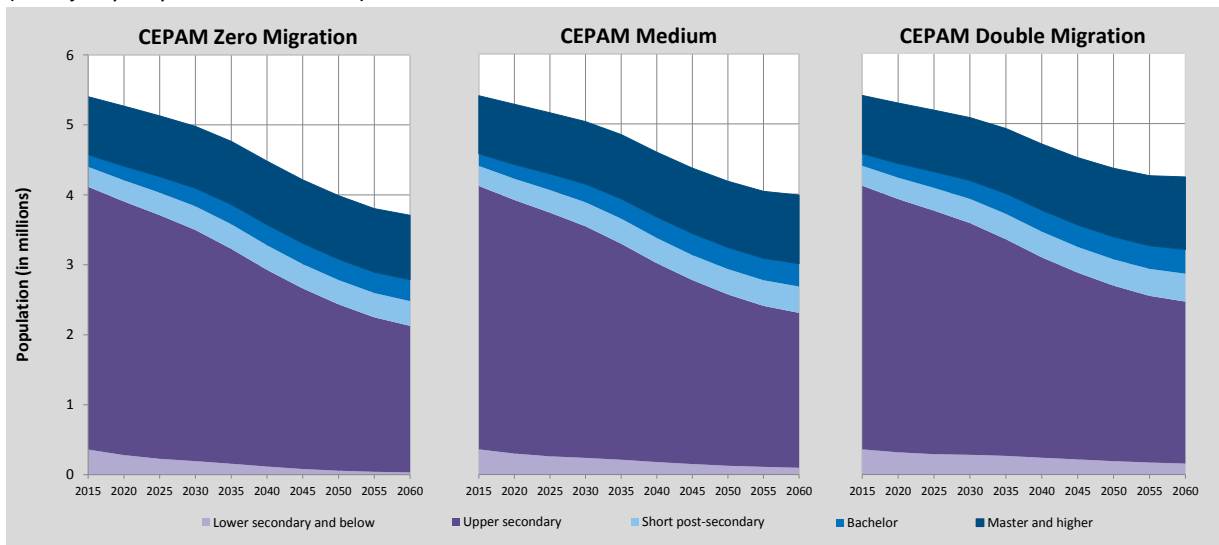
Czech Republic (Continued)

Labour force projections to 2060

Labour force indicators	2015	2020	2030	2040	2050	2060
Labour force size, by participation and migration scenario (in millions)						
Constant (CEPAM Zero Migration)	5.40	5.27	4.98	4.48	3.99	3.71
Constant (CEPAM Medium)	5.40	5.28	5.03	4.60	4.18	3.99
Constant (CEPAM Double Migration)	5.40	5.29	5.09	4.71	4.36	4.24
Swedish (CEPAM Zero Migration)	5.40	5.35	5.24	4.94	4.54	4.30
Swedish (CEPAM Medium)	5.40	5.37	5.30	5.06	4.76	4.63
Swedish (CEPAM Double Migration)	5.40	5.38	5.36	5.19	4.96	4.93
Equalization (CEPAM Zero Migration)	5.40	5.32	5.12	4.73	4.31	4.05
Equalization (CEPAM Medium)	5.40	5.34	5.18	4.86	4.52	4.36
Equalization (CEPAM Double Migration)	5.40	5.35	5.24	4.97	4.72	4.64
Constant (CEPAM Medium-low fertility)	5.40	5.28	5.03	4.56	4.03	3.65
Swedish (CEPAM Medium-low fertility)	5.40	5.37	5.30	5.01	4.55	4.21
Equalization (CEPAM Medium-low fertility)	5.40	5.34	5.18	4.82	4.35	3.98
Labour force participation rates, age 15+, by participation scenario (CEPAM Medium)						
TOTAL (Constant)	60.0%	59.1%	56.1%	52.1%	49.0%	47.8%
TOTAL (Swedish)	60.0%	60.1%	59.1%	57.4%	55.7%	55.5%
TOTAL (Equalization)	60.0%	59.7%	57.8%	55.0%	52.9%	52.2%
MALE (Constant)	69.0%	67.5%	63.6%	59.5%	56.1%	54.5%
MALE (Swedish)	69.0%	68.1%	65.6%	63.2%	60.7%	59.7%
MALE (Equalization)	69.0%	67.5%	63.6%	59.5%	56.1%	54.5%
FEMALE (Constant)	51.5%	51.1%	49.0%	45.0%	42.2%	41.4%
FEMALE (Swedish)	51.5%	52.4%	52.9%	51.8%	50.9%	51.4%
FEMALE (Equalization)	51.5%	52.3%	52.2%	50.7%	49.9%	50.1%
Labour force (15+) by highest level of educational attainment. Columns sum to 100%. (CEPAM Medium; Constant participation)						
TOTAL E1-E4 - lower secondary and below	6.7%	5.7%	4.7%	3.9%	3.0%	2.4%
TOTAL E5 - upper secondary	69.5%	68.5%	65.6%	61.7%	58.4%	55.4%
TOTAL E6 - short post-secondary	5.3%	5.7%	6.8%	7.8%	8.6%	9.4%
TOTAL E7 - bachelor	3.2%	3.9%	5.2%	6.5%	7.4%	8.2%
TOTAL E8 - master and higher	15.3%	16.3%	17.7%	20.1%	22.6%	24.6%
MALE E1-E4 - lower secondary and below	6.5%	5.7%	5.0%	4.3%	3.4%	2.7%
MALE E5 - upper secondary	71.7%	70.9%	69.1%	66.0%	63.4%	61.5%
MALE E6 - short post-secondary	4.4%	5.1%	6.4%	8.0%	9.3%	10.1%
MALE E7 - bachelor	2.6%	3.2%	4.2%	5.2%	5.9%	6.5%
MALE E8 - master and higher	14.8%	15.1%	15.3%	16.4%	17.9%	19.2%
FEMALE E1-E4 - lower secondary and below	6.9%	5.6%	4.4%	3.4%	2.5%	2.0%
FEMALE E5 - upper secondary	66.7%	65.5%	61.4%	56.1%	51.9%	47.8%
FEMALE E6 - short post-secondary	6.3%	6.5%	7.2%	7.5%	7.8%	8.6%
FEMALE E7 - bachelor	4.0%	4.7%	6.4%	8.1%	9.3%	10.3%
FEMALE E8 - master and higher	16.1%	17.7%	20.6%	24.8%	28.5%	31.3%



Labour force size by educational attainment according to three migration scenarios, 2015-2060 (Labour force participation = Constant scenario)



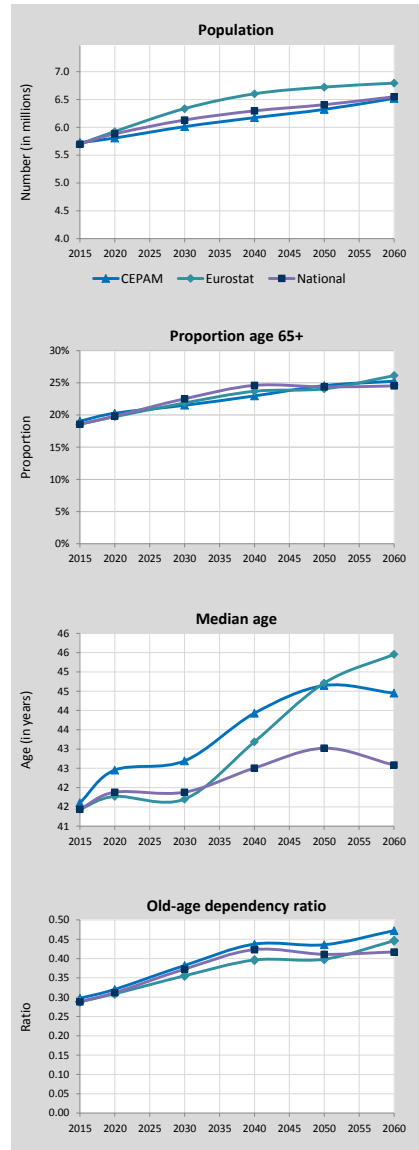
Denmark

Detailed Human Capital projections to 2060

Comparison of CEPAM projections with other sources

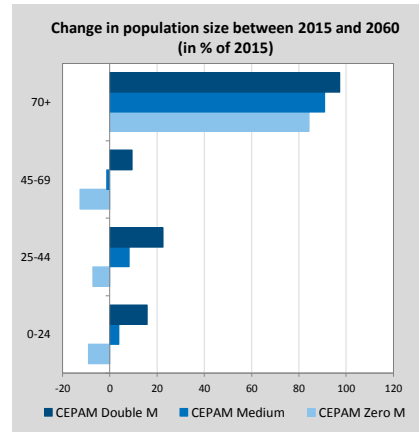
Demographic indicators - CEPAM Medium Scenario (SSP2), Eurostat and national projections		2015	2020	2030	2040	2050	2060
Population (in millions)	CEPAM	5.69	5.77	5.97	6.14	6.28	6.48
	Eurostat	5.66	5.89	6.30	6.56	6.69	6.76
	National	5.66	5.84	6.09	6.26	6.37	6.51
Proportion age 65+	CEPAM	19.1%	20.3%	21.5%	23.0%	24.6%	25.3%
	Eurostat	18.6%	19.7%	21.9%	23.7%	24.1%	26.1%
	National	18.6%	19.8%	22.5%	24.6%	24.4%	24.5%
Proportion below age 20	CEPAM	23.2%	22.1%	22.0%	22.7%	22.0%	21.9%
	Eurostat	23.2%	22.2%	21.7%	22.1%	21.1%	20.6%
	National	23.2%	22.4%	22.3%	23.0%	22.2%	22.1%
Median age	CEPAM	41.6	42.5	42.7	43.9	44.6	44.5
	Eurostat	41.4	41.8	41.7	43.2	44.7	45.5
	National	41.4	41.9	41.9	42.5	43.0	42.6
Old-age dependency ratio (65+/15-64)	CEPAM	0.30	0.32	0.38	0.44	0.44	0.47
	Eurostat	0.29	0.31	0.36	0.40	0.40	0.45
	National	0.29	0.31	0.37	0.42	0.41	0.42
Young-age dependency ratio (0-14/15-64)	CEPAM	0.26	0.26	0.28	0.29	0.28	0.29
	Eurostat	0.26	0.26	0.27	0.28	0.26	0.26
	National	0.26	0.26	0.28	0.30	0.28	0.28
Parent support ratio (85+/50-64)	CEPAM	0.11	0.11	0.17	0.28	0.31	0.40
	Eurostat	0.11	0.11	0.17	0.25	0.26	0.32
	National	0.11	0.11	0.18	0.27	0.30	0.35

Demographic assumptions underlying projections		2010-2015	2015-2020	2025-2030	2035-2040	2045-2050	2055-2060	
Total fertility rate	CEPAM	1.81	1.89	1.91	1.98	2.00	2.00	
	Eurostat	1.72	1.71	1.72	1.74	1.76	1.79	
	National	1.83	1.89	1.90	1.89	1.89	1.70	
Life expectancy at birth (in years)	Male	CEPAM	79.0	80.0	80.9	82.8	84.7	86.6
		Eurostat	79.0	79.9	80.6	82.0	83.4	84.6
		National	79.8	81.0	82.0	83.9	85.6	78.3
Female	CEPAM	82.8	83.8	84.8	86.8	88.8	90.8	
	Eurostat	83.2	84.0	84.7	86.1	87.4	88.6	
	National	83.6	84.4	85.2	86.6	87.9	80.1	
Five-year net migration flow (in thousands)	CEPAM	43.2	46.6	49.7	55.2	59.7	62.8	
	Eurostat	186.1	160.4	143.5	86.4	66.0	57.7	
	National	125.2	59.9	52.4	50.4	49.0	43.5	



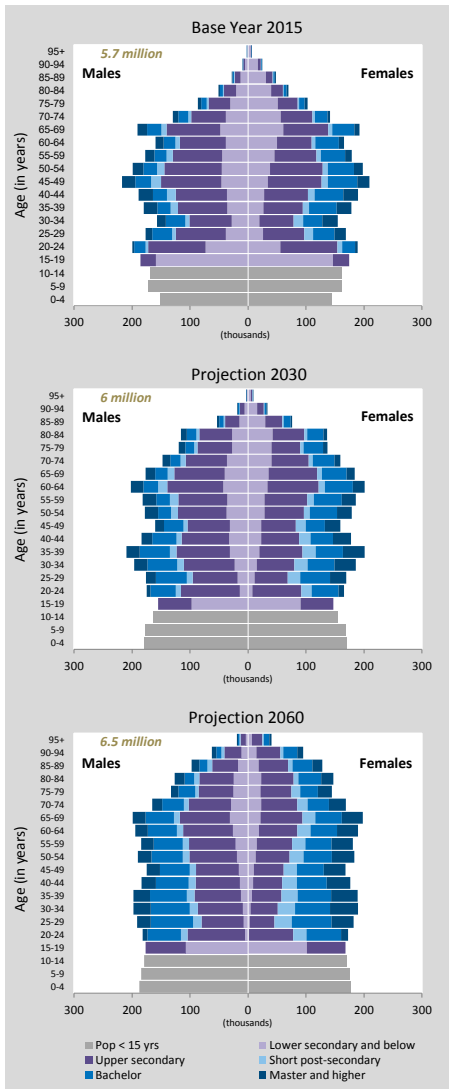
Changes in population size and structure according to CEPAM scenarios (impact of migration)

Population size according to CEPAM projections to 2060		2015	2020	2030	2040	2050	2060
Population (in millions)	Zero M	5.69	5.72	5.81	5.82	5.79	5.79
	Medium	5.69	5.77	5.97	6.14	6.28	6.48
	Double M	5.69	5.82	6.14	6.44	6.75	7.13
Population 0-24 (in millions)	Zero M	1.71	1.63	1.60	1.61	1.58	1.55
	Medium	1.71	1.64	1.65	1.72	1.74	1.77
	Double M	1.71	1.66	1.71	1.82	1.90	1.98
Population 25-44 (in millions)	Zero M	1.39	1.40	1.42	1.31	1.26	1.29
	Medium	1.39	1.43	1.50	1.43	1.42	1.51
	Double M	1.39	1.45	1.58	1.55	1.58	1.71
Population 45-69 (in millions)	Zero M	1.89	1.84	1.78	1.70	1.67	1.65
	Medium	1.89	1.84	1.81	1.78	1.82	1.86
	Double M	1.89	1.84	1.84	1.86	1.97	2.06
Population 70+ (in millions)	Zero M	0.70	0.86	1.01	1.20	1.28	1.29
	Medium	0.70	0.86	1.01	1.20	1.29	1.34
	Double M	0.70	0.86	1.01	1.21	1.31	1.38



Denmark (Continued)

Pyramids by education, CEPAM Medium

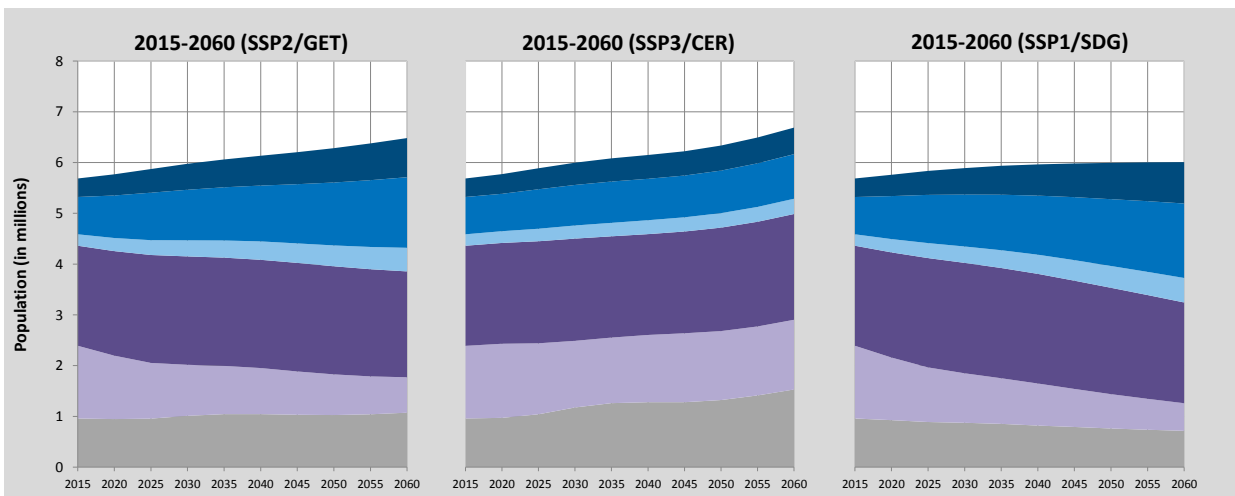


Detailed Human Capital projections to 2060

Human Capital indicators, CEPAM Medium (SSP2)

	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1-E4 - lower secondary and below	25.1%	22.6%	18.4%	15.3%	12.6%	10.2%
E5 - upper secondary	43.2%	43.1%	42.5%	41.4%	39.7%	37.7%
E6 - short post-secondary	5.3%	5.8%	6.7%	7.5%	8.3%	9.2%
E7 - bachelor	17.4%	18.7%	20.9%	22.8%	24.8%	27.0%
E8 - master and higher	9.0%	9.8%	11.4%	13.0%	14.5%	16.0%
Mean years of schooling (in years)	12.36	12.54	12.98	13.36	13.74	14.12
Age gap: highest educational attainment (ratio 35-44/50-64)						
E1-E4 - lower secondary and below	0.71	0.79	0.75	0.60	0.57	0.55
E5 - upper secondary	0.96	0.92	0.93	0.95	0.92	0.89
E6 - short post-secondary	1.34	1.20	1.23	1.25	1.19	1.17
E7 - bachelor	1.10	1.14	1.22	1.23	1.19	1.17
E8 - master and higher	1.74	1.51	1.16	1.17	1.19	1.17
Mean years of schooling (35-44 minus 50-64)	0.66	0.54	0.91	1.59	1.18	0.64
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1-E4 - lower secondary and below	0.92	0.97	1.07	1.18	1.27	1.32
E5 - upper secondary	1.21	1.20	1.20	1.21	1.25	1.30
E6 - short post-secondary	1.08	0.95	0.79	0.68	0.60	0.53
E7 - bachelor	0.66	0.70	0.77	0.84	0.92	1.00
E8 - master and higher	1.06	0.97	0.84	0.75	0.68	0.64
Mean years of schooling (male minus female)	-0.10	-0.19	-0.32	-0.41	-0.48	-0.53
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1-E4 - lower secondary and below	19%	14%	7%	5%	3%	2%
E5 - upper secondary	43%	41%	39%	36%	33%	29%
E6 - short post-secondary	7%	10%	12%	13%	14%	15%
E7 - bachelor	20%	22%	26%	29%	32%	34%
E8 - master and higher	11%	13%	15%	17%	18%	20%
Mean years of schooling (in years)	12.84	13.43	14.41	14.83	15.06	15.28
Age gap among women: highest educational attainment (ratio 35-44/50-64)						
E1-E4 - lower secondary and below	0.60	0.71	0.70	0.57	0.53	0.50
E5 - upper secondary	0.95	0.87	0.91	0.92	0.86	0.83
E6 - short post-secondary	1.39	1.69	2.00	1.39	1.19	1.17
E7 - bachelor	1.12	1.02	0.89	1.09	1.19	1.17
E8 - master and higher	2.16	1.94	1.45	1.24	1.19	1.17
Mean years of schooling (35-44 minus 50-64)	1.06	0.95	1.39	1.81	1.62	0.88

Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG



Colour legend as in pyramids above

Education scenarios

SSP2/GET : Global Education Trend Scenario (Medium assumption)

SSP3/CER : Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG : Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

Denmark (Continued)

Alternative scenarios to 2100

Projection results by scenario (SSP1-SSP3)

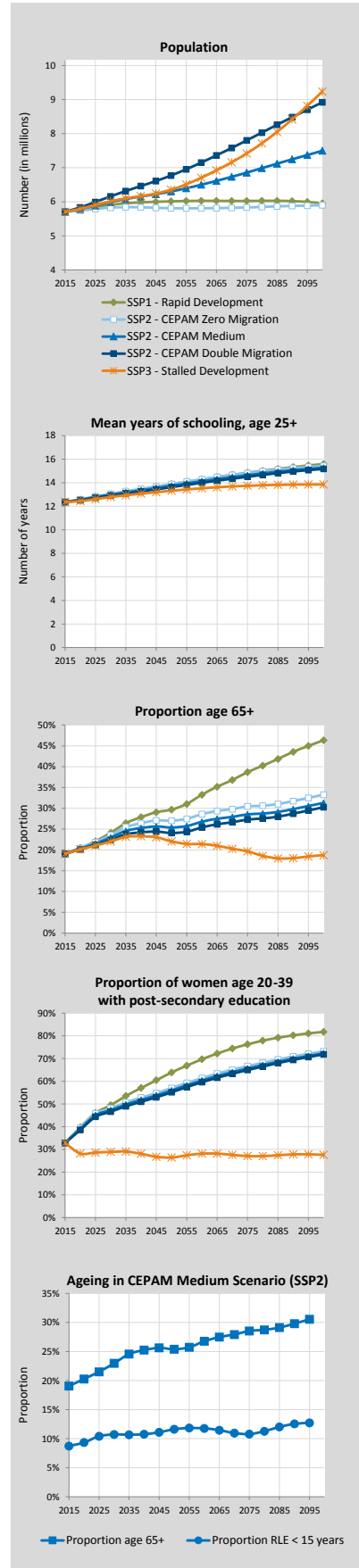
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	5.69	5.76	5.89	5.99	6.01	6.01	5.94
SSP2 - CEPAM Zero Migration	5.69	5.72	5.81	5.79	5.79	5.82	5.88
SSP2 - CEPAM Medium	5.69	5.77	5.97	6.28	6.48	6.84	7.48
SSP2 - CEPAM Double Migration	5.69	5.82	6.14	6.75	7.13	7.78	8.90
SSP3 - Stalled Development	5.69	5.77	6.00	6.34	6.69	7.40	9.22
Proportion age 65+							
SSP1 - Rapid Development	19.1%	20.5%	24.1%	29.7%	33.3%	38.7%	46.3%
SSP2 - CEPAM Zero Migration	19.1%	20.4%	23.6%	27.0%	28.6%	30.5%	33.3%
SSP2 - CEPAM Medium	19.1%	20.3%	23.0%	25.4%	26.8%	28.5%	31.3%
SSP2 - CEPAM Double Migration	19.1%	20.1%	22.4%	24.1%	25.4%	27.3%	30.3%
SSP3 - Stalled Development	19.1%	20.1%	22.0%	22.0%	21.4%	19.6%	18.7%
Proportion below age 20							
SSP1 - Rapid Development	23.2%	21.8%	20.0%	17.4%	16.2%	14.9%	12.7%
SSP2 - CEPAM Zero Migration	23.2%	22.1%	21.8%	21.6%	21.4%	21.2%	19.9%
SSP2 - CEPAM Medium	23.2%	22.1%	22.0%	22.0%	21.9%	21.7%	20.4%
SSP2 - CEPAM Double Migration	23.2%	22.1%	22.2%	22.3%	22.2%	22.0%	20.6%
SSP3 - Stalled Development	23.2%	22.6%	24.6%	27.6%	29.3%	30.6%	30.6%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	32.8%	39.7%	49.4%	63.9%	69.7%	76.3%	81.8%
SSP2 - CEPAM Zero Migration	32.8%	39.4%	48.1%	57.0%	61.4%	66.7%	73.2%
SSP2 - CEPAM Medium	32.8%	39.0%	47.3%	55.9%	60.3%	65.6%	72.3%
SSP2 - CEPAM Double Migration	32.8%	38.6%	46.6%	55.1%	59.6%	64.9%	71.8%
SSP3 - Stalled Development	32.8%	28.2%	28.9%	26.4%	28.1%	27.1%	27.6%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	12.4	12.6	13.0	13.9	14.3	14.8	15.6
SSP2 - CEPAM Zero Migration	12.4	12.6	13.1	13.9	14.3	14.8	15.4
SSP2 - CEPAM Medium	12.4	12.5	13.0	13.7	14.1	14.6	15.3
SSP2 - CEPAM Double Migration	12.4	12.5	12.9	13.6	14.0	14.5	15.2
SSP3 - Stalled Development	12.4	12.4	12.8	13.3	13.5	13.7	13.9

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.69	1.63	1.53	1.50	1.49	1.47	1.44
SSP2 - CEPAM Zero Migration	1.81	1.89	1.95	2.01	1.99	1.96	1.92
SSP2 - CEPAM Medium	1.81	1.89	1.95	2.00	1.99	1.96	1.92
SSP2 - CEPAM Double Migration	1.81	1.89	1.95	2.00	1.99	1.95	1.92
SSP3 - Stalled Development	1.97	2.27	2.56	2.73	2.72	2.69	2.64
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	83.3	84.8	87.8	93.8	96.9	101.4	107.4
SSP2 - CEPAM Zero Migration	82.8	83.8	85.8	89.9	91.9	94.9	99.0
SSP2 - CEPAM Medium	82.8	83.8	85.8	89.8	91.9	94.9	98.9
SSP2 - CEPAM Double Migration	82.8	83.8	85.8	89.8	91.8	94.8	98.8
SSP3 - Stalled Development	82.3	82.8	83.8	85.8	86.8	88.3	90.2
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	43.2	46.3	50.8	56.5	57.1	55.4	49.7
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	43.2	46.6	52.6	61.5	63.8	64.5	61.7
SSP2 - CEPAM Double Migration	86.3	92.5	102.8	117.0	119.6	118.3	109.7
SSP3 - Stalled Development	28.8	15.7	0.1	0.1	0.1	0.1	0.1

Ageing indicators by scenario

	2015	2020	2030	2050	2060	2075	2095
Median age							
SSP1 - Rapid Development	41.6	42.7	44.0	49.3	51.7	55.1	60.4
SSP2 - CEPAM Zero Migration	41.6	42.7	43.4	45.8	45.8	46.7	48.5
SSP2 - CEPAM Medium	41.6	42.5	42.7	44.6	44.5	45.4	47.0
SSP2 - CEPAM Double Migration	41.6	42.2	42.1	43.8	43.6	44.6	46.3
SSP3 - Stalled Development	41.6	42.3	41.4	39.2	36.3	35.3	34.9
Proportion with less than 15 years of remaining life expectancy (RLE)							
SSP1 - Rapid Development	8.7%	9.3%	10.7%	11.6%	11.8%	10.8%	12.7%
SSP2 - CEPAM Zero Migration	9.1%	10.2%	11.7%	12.8%	12.3%	11.6%	11.6%
SSP2 - CEPAM Medium	9.1%	10.1%	11.3%	11.9%	11.2%	10.5%	10.5%
SSP2 - CEPAM Double Migration	9.1%	10.0%	11.1%	11.2%	10.3%	9.7%	9.9%
SSP3 - Stalled Development	9.4%	10.9%	12.1%	12.4%	10.7%	9.9%	7.4%



Denmark (Continued)

Labour force projections to 2060

Labour force indicators

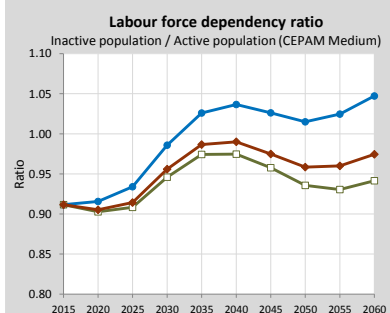
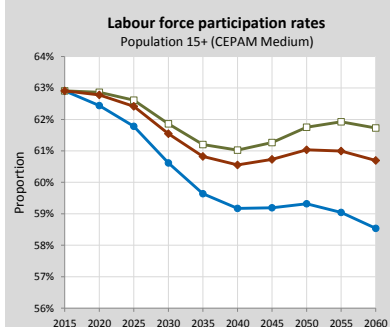
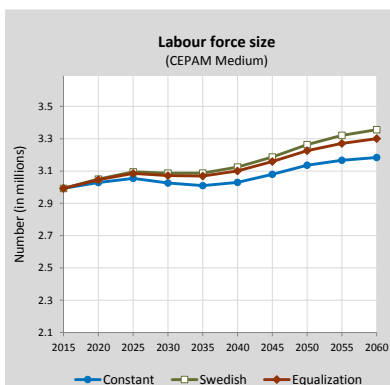
	2015	2020	2030	2040	2050	2060
Labour force size, by participation and migration scenario (in millions)						
Constant (CEPAM Zero Migration)	2.98	2.98	2.91	2.83	2.83	2.77
Constant (CEPAM Medium)	2.98	3.01	3.01	3.01	3.12	3.17
Constant (CEPAM Double Migration)	2.98	3.04	3.11	3.19	3.40	3.54
Swedish (CEPAM Zero Migration)	2.98	3.00	2.97	2.91	2.94	2.92
Swedish (CEPAM Medium)	2.98	3.03	3.07	3.11	3.25	3.34
Swedish (CEPAM Double Migration)	2.98	3.06	3.17	3.29	3.54	3.73
Equalization (CEPAM Zero Migration)	2.98	3.00	2.95	2.89	2.91	2.87
Equalization (CEPAM Medium)	2.98	3.03	3.05	3.08	3.21	3.28
Equalization (CEPAM Double Migration)	2.98	3.06	3.15	3.27	3.50	3.67
Constant (CEPAM Medium-low fertility)	2.98	3.01	3.01	2.96	2.95	2.84
Swedish (CEPAM Medium-low fertility)	2.98	3.03	3.07	3.06	3.07	3.00
Equalization (CEPAM Medium-low fertility)	2.98	3.03	3.05	3.04	3.04	2.95

Labour force participation rates, age 15+, by participation scenario (CEPAM Medium)

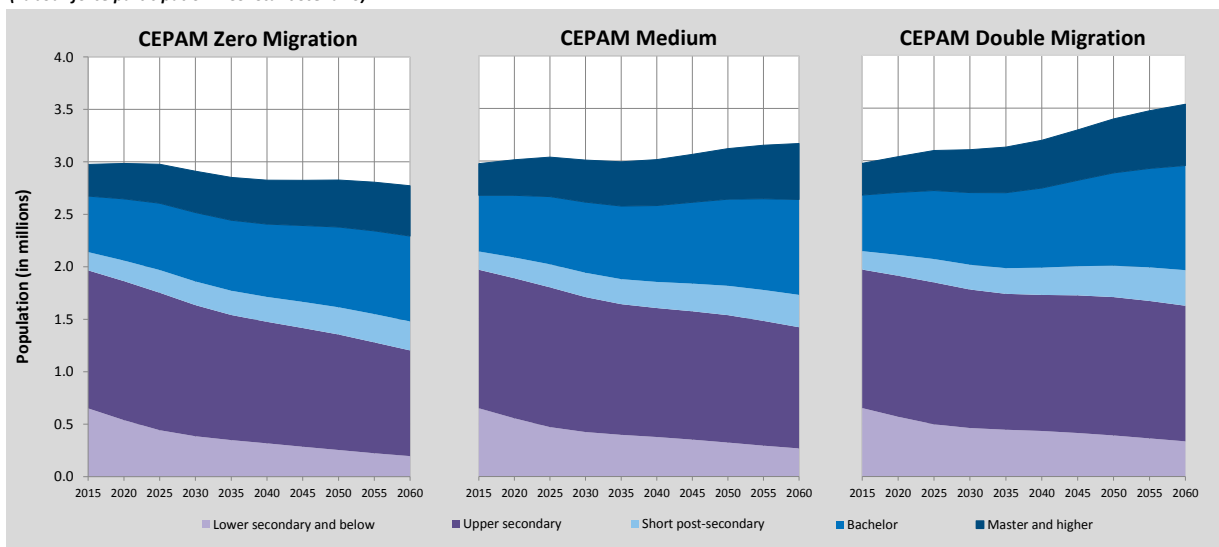
TOTAL (Constant)	62.9%	62.4%	60.6%	59.2%	59.3%	58.5%
TOTAL (Swedish)	62.9%	62.9%	61.9%	61.0%	61.8%	61.7%
TOTAL (Equalization)	62.9%	62.8%	61.5%	60.6%	61.0%	60.7%
MALE (Constant)	67.2%	66.4%	64.4%	62.9%	62.9%	62.0%
MALE (Swedish)	67.2%	66.8%	65.5%	64.5%	65.0%	64.8%
MALE (Equalization)	67.2%	66.4%	64.4%	62.9%	62.9%	62.0%
FEMALE (Constant)	58.8%	58.6%	56.9%	55.5%	55.9%	55.2%
FEMALE (Swedish)	58.8%	59.0%	58.3%	57.7%	58.6%	58.7%
FEMALE (Equalization)	58.8%	59.2%	58.7%	58.3%	59.3%	59.4%

Labour force (15+) by highest level of educational attainment. Columns sum to 100%. (CEPAM Medium; Constant participation)

TOTAL E1-E4 - lower secondary and below	21.8%	18.4%	14.1%	12.5%	10.4%	8.4%
TOTAL E5 - upper secondary	44.2%	44.2%	42.7%	40.7%	38.8%	36.4%
TOTAL E6 - short post-secondary	5.9%	6.6%	7.6%	8.2%	9.0%	9.7%
TOTAL E7 - bachelor	17.9%	19.6%	22.3%	24.1%	26.4%	28.6%
TOTAL E8 - master and higher	10.1%	11.2%	13.3%	14.5%	15.4%	16.8%
MALE E1-E4 - lower secondary and below	24.3%	21.0%	16.6%	14.6%	12.2%	9.8%
MALE E5 - upper secondary	46.9%	47.2%	46.4%	45.0%	43.8%	42.1%
MALE E6 - short post-secondary	5.6%	5.8%	5.9%	5.5%	5.7%	6.2%
MALE E7 - bachelor	13.6%	15.9%	20.3%	23.6%	26.8%	29.3%
MALE E8 - master and higher	9.6%	10.1%	10.9%	11.2%	11.6%	12.6%
FEMALE E1-E4 - lower secondary and below	19.1%	15.5%	11.3%	10.1%	8.4%	6.9%
FEMALE E5 - upper secondary	41.2%	40.9%	38.5%	35.9%	33.4%	30.1%
FEMALE E6 - short post-secondary	6.1%	7.4%	9.6%	11.3%	12.5%	13.6%
FEMALE E7 - bachelor	22.8%	23.6%	24.6%	24.6%	26.0%	27.9%
FEMALE E8 - master and higher	10.7%	12.5%	15.9%	18.1%	19.7%	21.4%



Labour force size by educational attainment according to three migration scenarios, 2015-2060 (Labour force participation = Constant scenario)



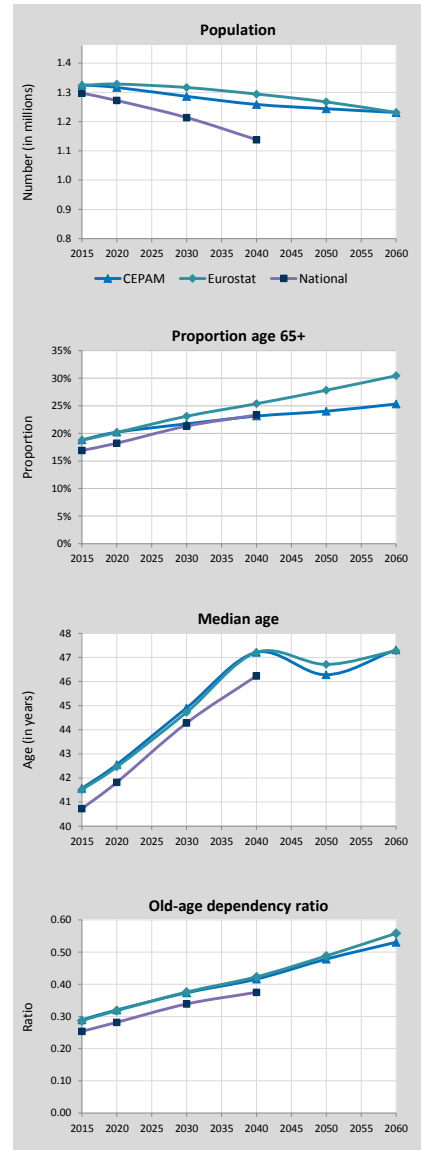
Estonia

Detailed Human Capital projections to 2060

Comparison of CEPAM projections with other sources

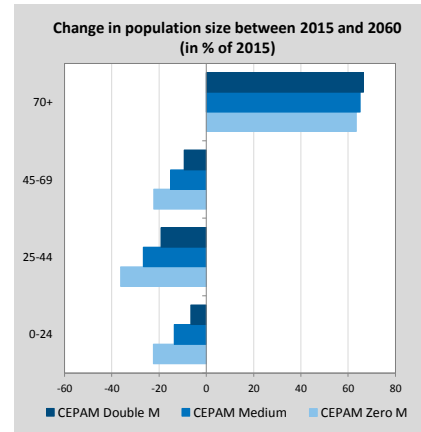
Demographic indicators - CEPAM Medium Scenario (SSP2), Eurostat and national projections		2015	2020	2030	2040	2050	2060
Population (in millions)	CEPAM	1.32	1.31	1.28	1.25	1.23	1.22
	Eurostat	1.31	1.32	1.31	1.28	1.26	1.22
	National	1.29	1.26	1.20	1.13	-	-
Proportion age 65+	CEPAM	18.8%	20.2%	21.7%	23.1%	24.0%	25.3%
	Eurostat	18.8%	20.2%	23.1%	25.4%	27.8%	30.4%
	National	16.9%	18.2%	21.3%	23.3%	-	-
Proportion below age 20	CEPAM	20.6%	21.6%	20.6%	19.0%	19.3%	19.5%
	Eurostat	20.5%	21.2%	20.8%	19.9%	20.1%	20.2%
	National	21.1%	22.0%	21.7%	20.0%	-	-
Median age	CEPAM	41.6	42.6	44.9	47.2	46.3	47.3
	Eurostat	41.5	42.5	44.7	47.2	46.7	47.3
	National	40.7	41.8	44.3	46.2	-	-
Old-age dependency ratio (65+/15-64)	CEPAM	0.29	0.32	0.37	0.42	0.48	0.53
	Eurostat	0.29	0.32	0.38	0.42	0.49	0.56
	National	0.25	0.28	0.34	0.37	-	-
Young-age dependency ratio (0-14/15-64)	CEPAM	0.25	0.26	0.24	0.23	0.25	0.26
	Eurostat	0.24	0.26	0.25	0.24	0.27	0.28
	National	0.25	0.26	0.25	0.23	-	-
Parent support ratio (85+/50-64)	CEPAM	0.11	0.14	0.17	0.21	0.31	0.39
	Eurostat	0.11	0.14	0.17	0.21	0.30	0.39
	National	-	-	-	-	-	-

Demographic assumptions underlying projections		2010-2015	2015-2020	2025-2030	2035-2040	2045-2050	2055-2060	
Total fertility rate	CEPAM	1.60	1.62	1.62	1.67	1.69	1.70	
	Eurostat	1.62	1.70	1.74	1.77	1.78	1.79	
	National	1.64	1.70	1.73	1.79	-	-	
Life expectancy at birth (in years)								
	Male	CEPAM	73.0	74.0	75.1	77.1	79.1	81.2
		Eurostat	73.2	74.4	75.6	77.8	79.8	81.7
National		74.5	75.9	76.7	77.8	-	-	
Female	CEPAM	82.0	82.9	83.8	85.6	87.4	89.2	
	Eurostat	82.1	83.0	83.8	85.3	86.7	88.0	
	National	82.6	83.0	83.3	83.7	-	-	
Five-year net migration flow (in thousands)	CEPAM	1.7	3.7	5.7	9.4	12.3	14.4	
	Eurostat	13.3	10.2	8.6	5.4	4.2	1.8	
	National	-10.7	-9.5	-7.7	-2.4	-	-	



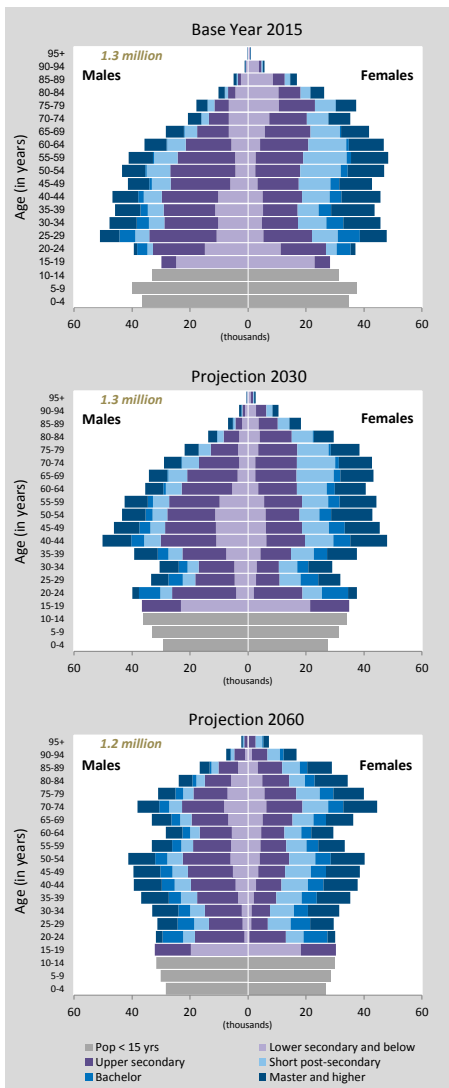
Changes in population size and structure according to CEPAM scenarios (impact of migration)

Population size according to CEPAM projections to 2060		2015	2020	2030	2040	2050	2060
Population (in millions)	Zero M	1.32	1.30	1.26	1.22	1.17	1.12
	Medium	1.32	1.31	1.28	1.25	1.23	1.22
	Double M	1.32	1.31	1.29	1.28	1.29	1.30
Population 0-24 (in millions)	Zero M	0.35	0.34	0.34	0.30	0.28	0.27
	Medium	0.35	0.34	0.34	0.31	0.30	0.30
	Double M	0.35	0.34	0.34	0.32	0.31	0.32
Population 25-44 (in millions)	Zero M	0.37	0.36	0.29	0.27	0.28	0.24
	Medium	0.37	0.36	0.30	0.28	0.30	0.27
	Double M	0.37	0.36	0.31	0.30	0.32	0.30
Population 45-69 (in millions)	Zero M	0.42	0.42	0.42	0.41	0.36	0.32
	Medium	0.42	0.42	0.42	0.42	0.37	0.35
	Double M	0.42	0.42	0.42	0.43	0.39	0.38
Population 70+ (in millions)	Zero M	0.18	0.19	0.22	0.24	0.26	0.29
	Medium	0.18	0.19	0.22	0.24	0.26	0.29
	Double M	0.18	0.19	0.22	0.24	0.26	0.30



Estonia (Continued)

Pyramids by education, CEPAM Medium

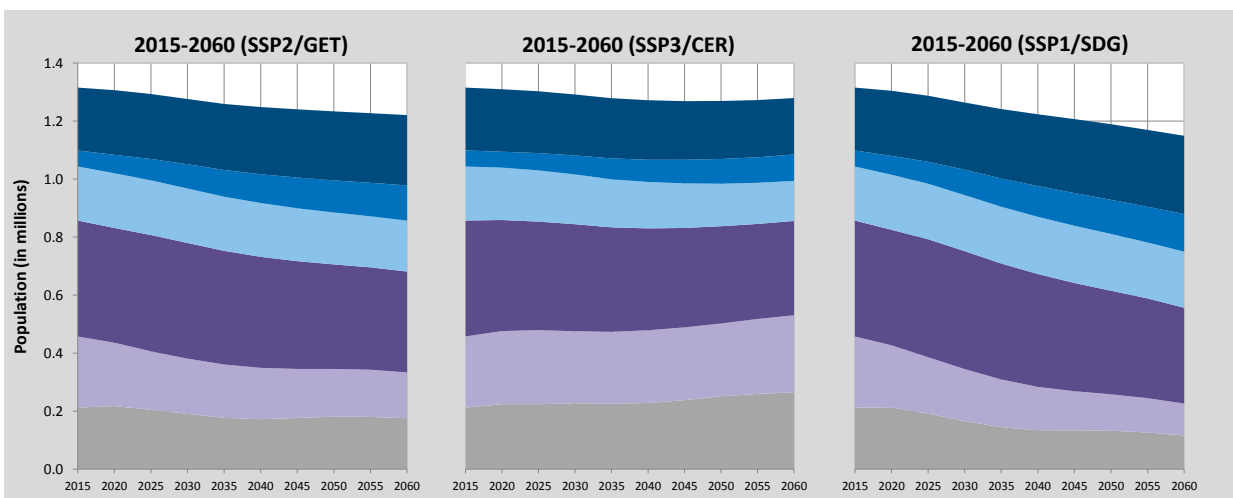


Detailed Human Capital projections to 2060

Human Capital indicators, CEPAM Medium (SSP2)

	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1-E4 - lower secondary and below	17.7%	16.5%	14.9%	14.1%	13.6%	12.9%
E5 - upper secondary	36.7%	36.3%	35.6%	34.4%	33.0%	31.9%
E6 - short post-secondary	18.6%	18.9%	18.9%	18.6%	18.1%	18.0%
E7 - bachelor	4.9%	5.7%	7.2%	8.9%	10.3%	11.5%
E8 - master and higher	22.1%	22.7%	23.4%	24.1%	24.9%	25.8%
Mean years of schooling (in years)	13.12	13.20	13.29	13.36	13.44	13.53
Age gap: highest educational attainment (ratio 35-44/50-64)						
E1-E4 - lower secondary and below	1.93	2.02	0.99	0.76	0.60	0.57
E5 - upper secondary	0.85	0.81	0.93	1.02	0.97	0.94
E6 - short post-secondary	0.64	0.63	0.94	1.11	1.16	1.15
E7 - bachelor	3.10	2.65	1.68	1.17	1.16	1.16
E8 - master and higher	1.08	1.08	0.97	1.03	1.17	1.16
Mean years of schooling (35-44 minus 50-64)	-0.19	-0.22	0.07	0.46	0.77	0.76
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1-E4 - lower secondary and below	1.38	1.49	1.67	1.69	1.60	1.48
E5 - upper secondary	1.31	1.32	1.36	1.42	1.47	1.52
E6 - short post-secondary	0.64	0.62	0.60	0.59	0.59	0.60
E7 - bachelor	0.67	0.71	0.74	0.76	0.77	0.79
E8 - master and higher	0.77	0.76	0.74	0.73	0.74	0.76
Mean years of schooling (male minus female)	-0.69	-0.78	-0.90	-0.92	-0.87	-0.78
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1-E4 - lower secondary and below	15%	13%	9%	7%	5%	4%
E5 - upper secondary	33%	31%	32%	29%	27%	26%
E6 - short post-secondary	17%	19%	21%	22%	24%	25%
E7 - bachelor	13%	15%	17%	18%	19%	20%
E8 - master and higher	22%	22%	21%	24%	26%	26%
Mean years of schooling (in years)	13.43	13.53	13.70	13.98	14.21	14.33
Age gap among women: highest educational attainment (ratio 35-44/50-64)						
E1-E4 - lower secondary and below	1.75	1.94	1.05	0.84	0.58	0.53
E5 - upper secondary	0.84	0.82	0.94	0.96	0.86	0.87
E6 - short post-secondary	0.63	0.65	1.00	1.14	1.17	1.15
E7 - bachelor	2.79	2.20	1.44	1.13	1.17	1.15
E8 - master and higher	1.21	1.15	0.91	0.98	1.17	1.15
Mean years of schooling (35-44 minus 50-64)	0.19	-0.14	0.03	0.46	0.92	1.07

Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG



Colour legend as in pyramids above

Education scenarios

SSP2/GET : Global Education Trend Scenario (Medium assumption)

SSP3/CER : Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG : Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

Estonia (Continued)

Alternative scenarios to 2100

Projection results by scenario (SSP1-SSP3)

	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	1.32	1.30	1.26	1.19	1.15	1.09	1.00
SSP2 - CEPAM Zero Migration	1.32	1.31	1.26	1.17	1.12	1.05	0.95
SSP2 - CEPAM Medium	1.32	1.31	1.28	1.23	1.22	1.21	1.24
SSP2 - CEPAM Double Migration	1.32	1.31	1.29	1.29	1.30	1.33	1.42
SSP3 - Stalled Development	1.32	1.31	1.29	1.27	1.28	1.33	1.54

Proportion age 65+

SSP1 - Rapid Development	18.8%	20.4%	24.2%	32.1%	36.5%	40.3%	47.5%
SSP2 - CEPAM Zero Migration	18.8%	20.2%	23.4%	28.9%	31.8%	32.4%	35.9%
SSP2 - CEPAM Medium	18.8%	20.2%	23.1%	27.6%	29.7%	29.6%	32.5%
SSP2 - CEPAM Double Migration	18.8%	20.2%	22.9%	26.6%	28.3%	28.1%	31.5%
SSP3 - Stalled Development	18.8%	20.0%	22.0%	23.6%	23.6%	19.9%	19.0%

Proportion below age 20

SSP1 - Rapid Development	20.6%	21.2%	18.8%	14.9%	14.1%	12.3%	11.1%
SSP2 - CEPAM Zero Migration	20.6%	21.5%	20.5%	18.9%	19.0%	17.8%	17.1%
SSP2 - CEPAM Medium	20.6%	21.6%	20.6%	19.3%	19.5%	18.6%	18.0%
SSP2 - CEPAM Double Migration	20.6%	21.6%	20.6%	19.6%	19.8%	19.1%	18.4%
SSP3 - Stalled Development	20.6%	22.0%	23.1%	25.6%	27.3%	28.3%	29.0%

Proportion of women age 20-39 with post-secondary education

SSP1 - Rapid Development	41.9%	47.4%	53.7%	68.4%	73.0%	79.0%	82.7%
SSP2 - CEPAM Zero Migration	41.9%	47.8%	52.9%	61.7%	64.4%	68.9%	74.2%
SSP2 - CEPAM Medium	41.9%	46.3%	50.2%	58.4%	60.8%	65.6%	71.2%
SSP2 - CEPAM Double Migration	41.9%	44.9%	47.7%	55.8%	58.2%	63.3%	69.5%
SSP3 - Stalled Development	41.9%	39.0%	35.4%	36.3%	36.1%	35.9%	35.8%

Mean years of schooling, age 25+

SSP1 - Rapid Development	13.1	13.2	13.4	13.7	13.9	14.3	14.9
SSP2 - CEPAM Zero Migration	13.1	13.3	13.5	13.9	14.0	14.3	14.7
SSP2 - CEPAM Medium	13.1	13.2	13.3	13.4	13.5	13.8	14.2
SSP2 - CEPAM Double Migration	13.1	13.1	13.1	13.1	13.1	13.4	14.0
SSP3 - Stalled Development	13.1	13.1	13.2	13.3	13.2	13.2	13.2

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.50	1.40	1.27	1.26	1.27	1.28	1.28
SSP2 - CEPAM Zero Migration	1.60	1.61	1.62	1.69	1.70	1.70	1.71
SSP2 - CEPAM Medium	1.60	1.62	1.63	1.70	1.70	1.71	1.71
SSP2 - CEPAM Double Migration	1.61	1.63	1.63	1.70	1.71	1.71	1.72
SSP3 - Stalled Development	1.76	2.00	2.22	2.43	2.46	2.49	2.51

Life expectancy at birth for females (in years)

SSP1 - Rapid Development	82.5	83.9	86.7	92.4	95.2	99.4	105.0
SSP2 - CEPAM Zero Migration	82.0	82.9	84.8	88.5	90.3	93.1	96.7
SSP2 - CEPAM Medium	82.0	82.9	84.7	88.3	90.1	92.9	96.5
SSP2 - CEPAM Double Migration	82.0	82.9	84.7	88.2	90.0	92.7	96.4
SSP3 - Stalled Development	81.5	81.9	82.7	84.4	85.2	86.4	87.9

Migration – net flow over five years (in thousands)

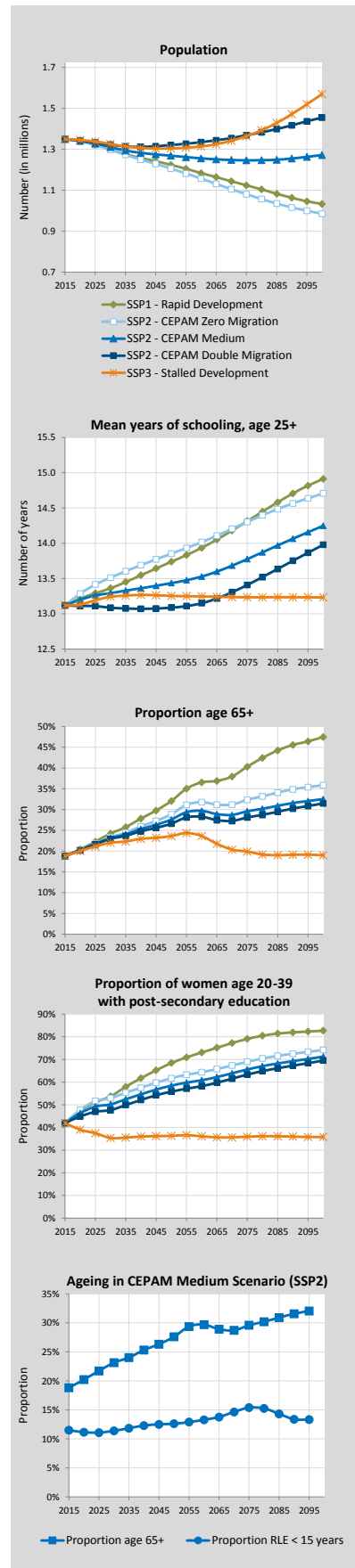
SSP1 - Rapid Development	1.7	3.5	6.8	11.4	12.6	13.2	11.8
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	1.7	3.7	7.6	13.5	15.1	16.3	15.1
SSP2 - CEPAM Double Migration	3.3	7.2	14.1	23.2	25.0	25.0	20.2
SSP3 - Stalled Development	1.1	1.3	0.0	0.0	0.0	0.0	0.0

Ageing indicators by scenario

	2015	2020	2030	2050	2060	2075	2095
Median age							
SSP1 - Rapid Development	41.6	42.8	45.9	51.3	53.3	58.0	61.6
SSP2 - CEPAM Zero Migration	41.6	42.6	45.1	47.5	48.8	50.8	51.9
SSP2 - CEPAM Medium	41.6	42.6	44.9	46.3	47.3	48.4	49.4
SSP2 - CEPAM Double Migration	41.6	42.5	44.7	45.4	46.4	47.2	48.6
SSP3 - Stalled Development	41.6	42.3	43.8	41.0	39.2	36.9	36.4

Proportion with less than 15 years of remaining life expectancy (RLE)

SSP1 - Rapid Development	11.5%	11.1%	11.4%	12.6%	13.3%	15.4%	13.3%
SSP2 - CEPAM Zero Migration	11.9%	11.8%	12.5%	13.5%	14.1%	15.2%	13.7%
SSP2 - CEPAM Medium	11.9%	11.8%	12.4%	12.9%	13.0%	13.5%	11.8%
SSP2 - CEPAM Double Migration	11.9%	11.8%	12.3%	12.4%	12.4%	12.5%	11.2%
SSP3 - Stalled Development	12.3%	12.4%	13.4%	13.5%	13.4%	10.9%	9.0%



Estonia (Continued)

Labour force projections to 2060

Labour force indicators

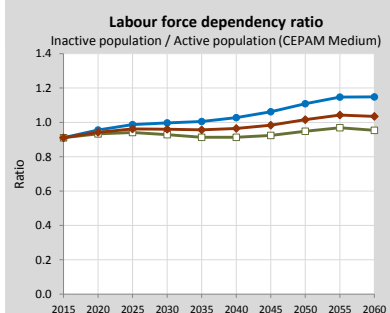
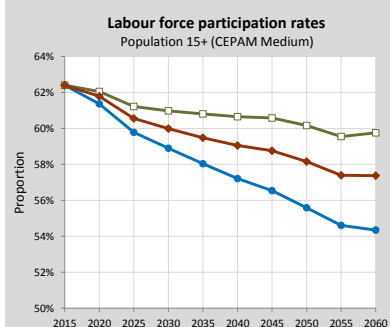
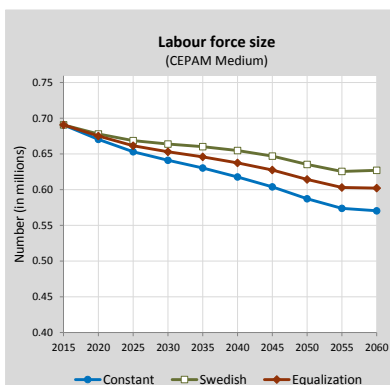
	2015	2020	2030	2040	2050	2060
Labour force size, by participation and migration scenario (in millions)						
Constant (CEPAM Zero Migration)	0.69	0.67	0.63	0.60	0.55	0.52
Constant (CEPAM Medium)	0.69	0.67	0.64	0.62	0.58	0.57
Constant (CEPAM Double Migration)	0.69	0.67	0.64	0.63	0.61	0.61
Swedish (CEPAM Zero Migration)	0.69	0.68	0.66	0.64	0.60	0.57
Swedish (CEPAM Medium)	0.69	0.68	0.66	0.65	0.63	0.62
Swedish (CEPAM Double Migration)	0.69	0.68	0.67	0.67	0.66	0.67
Equalization (CEPAM Zero Migration)	0.69	0.67	0.65	0.62	0.58	0.54
Equalization (CEPAM Medium)	0.69	0.67	0.65	0.64	0.61	0.60
Equalization (CEPAM Double Migration)	0.69	0.67	0.65	0.65	0.64	0.64
Constant (CEPAM Medium-low fertility)	0.69	0.67	0.64	0.61	0.56	0.52
Swedish (CEPAM Medium-low fertility)	0.69	0.68	0.66	0.64	0.60	0.57
Equalization (CEPAM Medium-low fertility)	0.69	0.67	0.65	0.63	0.59	0.54

Labour force participation rates, age 15+, by participation scenario (CEPAM Medium)

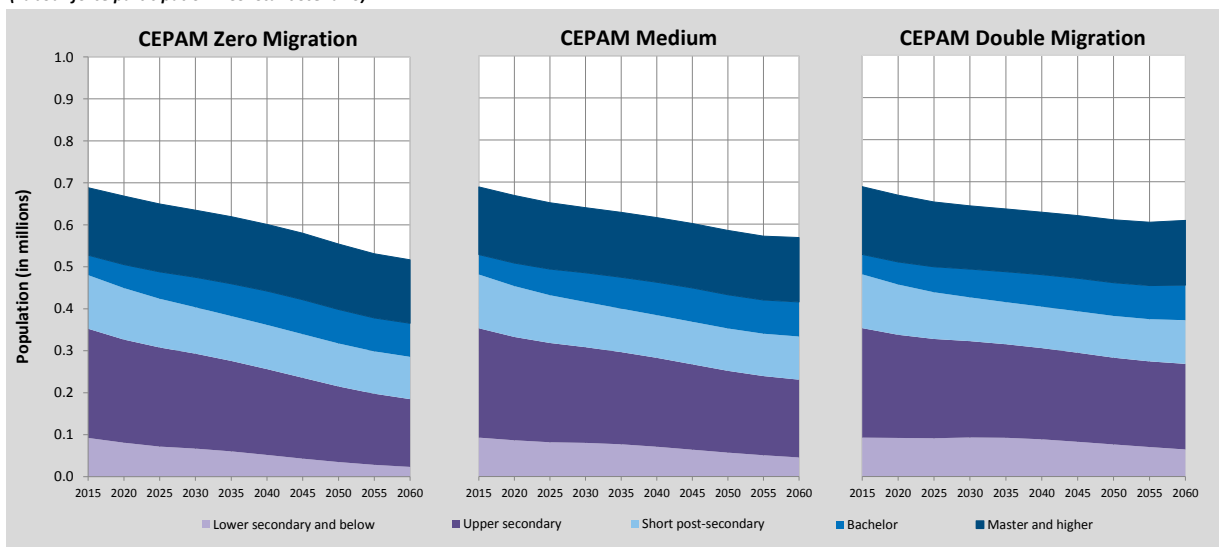
TOTAL (Constant)	62.4%	61.4%	58.9%	57.2%	55.6%	54.3%
TOTAL (Swedish)	62.4%	62.1%	61.0%	60.7%	60.2%	59.8%
TOTAL (Equalization)	62.4%	61.8%	60.0%	59.0%	58.2%	57.4%
MALE (Constant)	70.2%	68.7%	65.3%	63.4%	61.6%	59.9%
MALE (Swedish)	70.2%	69.3%	67.2%	66.5%	65.6%	64.6%
MALE (Equalization)	70.2%	68.7%	65.3%	63.4%	61.6%	59.9%
FEMALE (Constant)	55.8%	55.1%	53.3%	51.7%	50.2%	49.2%
FEMALE (Swedish)	55.8%	55.8%	55.5%	55.4%	55.3%	55.3%
FEMALE (Equalization)	55.8%	55.9%	55.3%	55.2%	55.1%	55.0%

Labour force (15+) by highest level of educational attainment. Columns sum to 100%. (CEPAM Medium; Constant participation)

TOTAL E1-E4 - lower secondary and below	13.4%	12.9%	12.5%	11.5%	9.7%	8.0%
TOTAL E5 - upper secondary	37.8%	36.7%	35.6%	34.3%	33.2%	32.5%
TOTAL E6 - short post-secondary	18.5%	18.1%	16.8%	16.5%	17.2%	18.1%
TOTAL E7 - bachelor	6.9%	8.2%	10.8%	12.7%	13.7%	14.5%
TOTAL E8 - master and higher	23.4%	24.1%	24.2%	25.0%	26.1%	27.0%
MALE E1-E4 - lower secondary and below	18.1%	17.2%	16.1%	14.3%	11.8%	9.5%
MALE E5 - upper secondary	44.0%	43.2%	42.2%	41.1%	40.4%	40.1%
MALE E6 - short post-secondary	14.0%	13.8%	12.9%	12.7%	13.3%	14.0%
MALE E7 - bachelor	5.2%	6.4%	8.9%	10.8%	12.0%	12.7%
MALE E8 - master and higher	18.8%	19.4%	19.9%	21.0%	22.6%	23.7%
FEMALE E1-E4 - lower secondary and below	8.4%	8.4%	8.7%	8.5%	7.4%	6.3%
FEMALE E5 - upper secondary	31.2%	29.8%	28.5%	26.9%	25.3%	24.1%
FEMALE E6 - short post-secondary	23.4%	22.7%	21.0%	20.7%	21.6%	22.6%
FEMALE E7 - bachelor	8.7%	10.1%	12.9%	14.8%	15.7%	16.4%
FEMALE E8 - master and higher	28.2%	29.0%	28.9%	29.3%	30.0%	30.6%



Labour force size by educational attainment according to three migration scenarios, 2015-2060 (Labour force participation = Constant scenario)



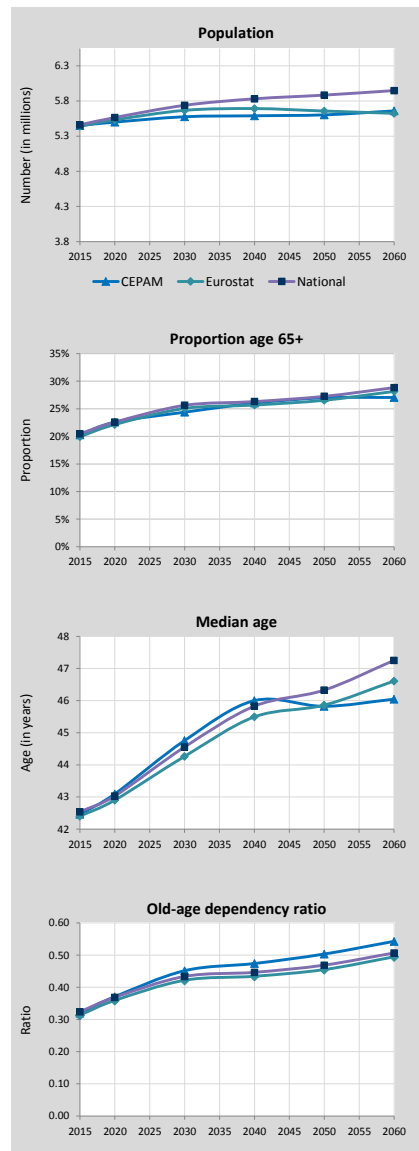
Finland

Detailed Human Capital projections to 2060

Comparison of CEPAM projections with other sources

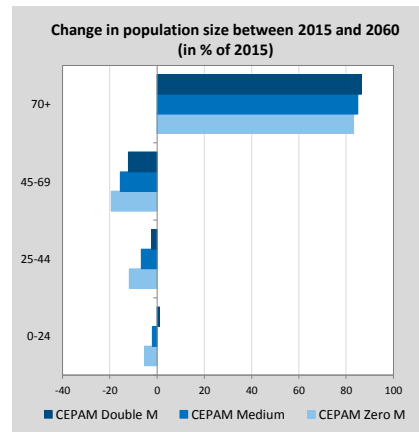
Demographic indicators - CEPAM Medium Scenario (SSP2), Eurostat and national projections		2015	2020	2030	2040	2050	2060
Population (in millions)	CEPAM	5.48	5.53	5.61	5.62	5.63	5.69
	Eurostat	5.47	5.56	5.70	5.72	5.69	5.65
	National	5.49	5.60	5.77	5.86	5.91	5.98
Proportion age 65+	CEPAM	20.3%	22.6%	24.4%	26.0%	27.0%	27.1%
	Eurostat	19.9%	22.1%	25.1%	25.7%	26.6%	28.2%
	National	20.5%	22.6%	25.6%	26.3%	27.3%	28.8%
Proportion below age 20	CEPAM	21.9%	21.8%	21.7%	21.4%	21.3%	21.4%
	Eurostat	22.0%	21.5%	21.0%	20.5%	20.3%	20.1%
	National	21.8%	21.5%	20.7%	20.0%	19.6%	19.3%
Median age	CEPAM	42.5	43.1	44.8	46.0	45.8	46.0
	Eurostat	42.4	42.9	44.3	45.5	45.9	46.6
	National	42.5	43.0	44.6	45.8	46.3	47.3
Old-age dependency ratio (65+/15-64)	CEPAM	0.32	0.37	0.45	0.47	0.50	0.54
	Eurostat	0.31	0.36	0.42	0.43	0.46	0.49
	National	0.32	0.37	0.43	0.45	0.47	0.51
Young-age dependency ratio (0-14/15-64)	CEPAM	0.26	0.27	0.28	0.28	0.29	0.30
	Eurostat	0.26	0.26	0.26	0.26	0.26	0.26
	National	0.26	0.26	0.26	0.25	0.25	0.25
Parent support ratio (85+/50-64)	CEPAM	0.12	0.14	0.22	0.35	0.42	0.48
	Eurostat	0.12	0.14	0.19	0.29	0.32	0.34
	National	0.12	0.14	0.22	0.32	0.36	0.37

Demographic assumptions underlying projections		2010-2015	2015-2020	2025-2030	2035-2040	2045-2050	2055-2060	
Total fertility rate	CEPAM	1.84	1.91	1.92	1.98	2.00	1.99	
	Eurostat	1.68	1.71	1.72	1.73	1.75	1.77	
	National	1.70	1.70	1.70	1.70	1.70	1.70	
Life expectancy at birth (in years)	Male	CEPAM	78.8	79.9	80.9	83.1	85.2	87.3
		Eurostat	78.7	79.5	80.3	81.7	83.1	84.4
		National	79.1	80.3	81.4	83.5	85.3	86.9
Female	CEPAM	84.3	85.4	86.5	88.6	90.7	92.8	
	Eurostat	84.3	84.9	85.5	86.7	87.9	89.0	
	National	84.7	85.6	86.4	87.8	89.2	90.3	
Five-year net migration flow (in thousands)	CEPAM	10.7	13.0	15.2	19.2	22.7	25.0	
	Eurostat	77.6	75.5	70.3	51.8	47.2	41.3	
	National	81.5	85.1	85.1	85.0	85.0	85.0	



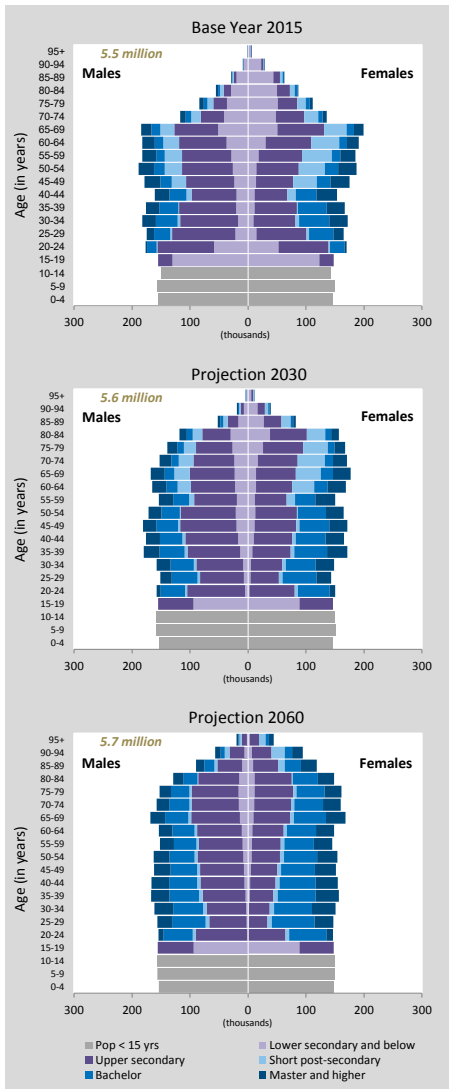
Changes in population size and structure according to CEPAM scenarios (impact of migration)

Population size according to CEPAM projections to 2060		2015	2020	2030	2040	2050	2060
Population (in millions)	Zero M	5.48	5.52	5.57	5.54	5.50	5.49
	Medium	5.48	5.53	5.61	5.62	5.63	5.69
	Double M	5.48	5.54	5.65	5.70	5.76	5.87
Population 0-24 (in millions)	Zero M	1.55	1.51	1.52	1.49	1.47	1.47
	Medium	1.55	1.51	1.53	1.51	1.50	1.52
	Double M	1.55	1.51	1.54	1.53	1.53	1.56
Population 25-44 (in millions)	Zero M	1.35	1.38	1.27	1.19	1.21	1.19
	Medium	1.35	1.39	1.29	1.23	1.26	1.26
	Double M	1.35	1.39	1.32	1.26	1.31	1.32
Population 45-69 (in millions)	Zero M	1.85	1.74	1.67	1.63	1.57	1.50
	Medium	1.85	1.74	1.67	1.65	1.61	1.57
	Double M	1.85	1.74	1.68	1.67	1.66	1.63
Population 70+ (in millions)	Zero M	0.73	0.89	1.11	1.23	1.25	1.33
	Medium	0.73	0.89	1.11	1.23	1.25	1.34
	Double M	0.73	0.89	1.11	1.23	1.26	1.36



Finland (Continued)

Pyramids by education, CEPAM Medium



Detailed Human Capital projections to 2060

Human Capital indicators, CEPAM Medium (SSP2)

	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1-E4 - lower secondary and below	19.7%	16.5%	11.7%	8.7%	6.8%	5.6%
E5 - upper secondary	42.2%	42.9%	43.6%	43.3%	42.1%	40.4%
E6 - short post-secondary	12.6%	11.9%	10.6%	8.7%	6.6%	4.7%
E7 - bachelor	13.2%	15.4%	19.1%	22.7%	26.6%	30.2%
E8 - master and higher	12.3%	13.3%	15.1%	16.6%	17.9%	19.1%
Mean years of schooling (in years)	12.45	12.72	13.13	13.42	13.64	13.81

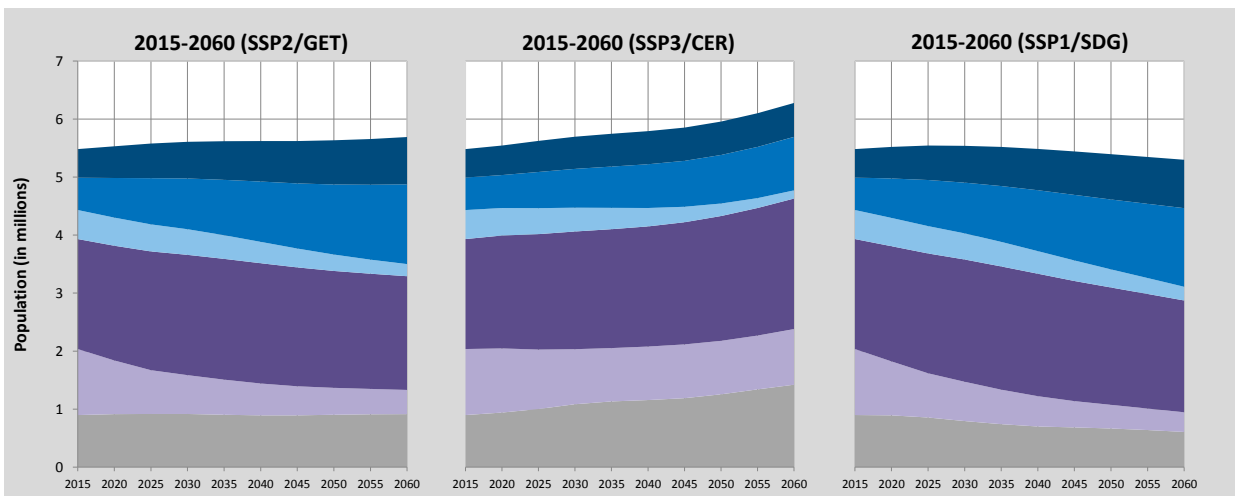
Age gap: highest educational attainment (ratio 35-44/50-64)						
E1-E4 - lower secondary and below	0.68	0.77	0.68	0.55	0.51	0.51
E5 - upper secondary	1.08	1.15	1.02	0.90	0.89	0.87
E6 - short post-secondary	0.20	0.10	0.35	1.49	1.17	1.16
E7 - bachelor	2.54	2.35	1.46	1.20	1.17	1.16
E8 - master and higher	1.30	1.02	0.99	1.17	1.17	1.16
Mean years of schooling (35-44 minus 50-64)	0.53	0.21	0.27	0.54	0.54	0.52

Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1-E4 - lower secondary and below	1.03	1.09	1.23	1.37	1.46	1.43
E5 - upper secondary	1.20	1.21	1.25	1.30	1.37	1.43
E6 - short post-secondary	0.67	0.65	0.61	0.58	0.58	0.63
E7 - bachelor	0.85	0.83	0.81	0.78	0.76	0.75
E8 - master and higher	0.92	0.88	0.83	0.78	0.76	0.74
Mean years of schooling (male minus female)	-0.18	-0.28	-0.43	-0.55	-0.63	-0.66

Women age 20-39: highest educational attainment (columns sum to 100%)						
E1-E4 - lower secondary and below	13%	8%	3%	2%	2%	1%
E5 - upper secondary	47%	44%	40%	36%	32%	29%
E6 - short post-secondary	2%	3%	4%	4%	5%	5%
E7 - bachelor	25%	30%	36%	39%	42%	45%
E8 - master and higher	13%	14%	17%	18%	19%	21%
Mean years of schooling (in years)	13.07	13.45	13.93	14.14	14.34	14.51

Age gap among women: highest educational attainment (ratio 35-44/50-64)						
E1-E4 - lower secondary and below	0.61	0.76	0.67	0.57	0.52	0.48
E5 - upper secondary	1.01	1.11	1.00	0.85	0.82	0.79
E6 - short post-secondary	0.20	0.09	0.33	1.49	1.17	1.15
E7 - bachelor	2.97	2.67	1.47	1.17	1.17	1.15
E8 - master and higher	1.49	1.11	0.99	1.16	1.17	1.15
Mean years of schooling (35-44 minus 50-64)	0.87	0.45	0.33	0.66	0.73	0.71

Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG



Colour legend as in pyramids above

Education scenarios

SSP2/GET : Global Education Trend Scenario (Medium assumption)

SSP3/CER : Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG : Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

Finland (Continued)

Alternative scenarios to 2100

Projection results by scenario (SSP1-SSP3)

	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	5.48	5.52	5.54	5.40	5.30	5.18	4.86
SSP2 - CEPAM Zero Migration	5.48	5.52	5.57	5.50	5.49	5.53	5.63
SSP2 - CEPAM Medium	5.48	5.53	5.61	5.63	5.69	5.84	6.12
SSP2 - CEPAM Double Migration	5.48	5.54	5.65	5.76	5.87	6.10	6.52
SSP3 - Stalled Development	5.48	5.54	5.69	5.96	6.28	6.95	8.66

Proportion age 65+

SSP1 - Rapid Development	20.3%	22.8%	27.2%	32.6%	36.3%	41.4%	49.9%
SSP2 - CEPAM Zero Migration	20.3%	22.6%	26.2%	28.7%	30.2%	31.3%	34.5%
SSP2 - CEPAM Medium	20.3%	22.6%	26.0%	28.1%	29.5%	30.6%	33.8%
SSP2 - CEPAM Double Migration	20.3%	22.5%	25.9%	27.6%	29.0%	30.1%	33.5%
SSP3 - Stalled Development	20.3%	22.4%	24.7%	23.7%	22.9%	20.4%	19.8%

Proportion below age 20

SSP1 - Rapid Development	21.9%	21.5%	19.8%	16.7%	15.7%	13.8%	11.6%
SSP2 - CEPAM Zero Migration	21.9%	21.8%	21.7%	21.3%	21.4%	20.7%	19.4%
SSP2 - CEPAM Medium	21.9%	21.8%	21.7%	21.3%	21.4%	20.6%	19.4%
SSP2 - CEPAM Double Migration	21.9%	21.8%	21.7%	21.3%	21.3%	20.6%	19.3%
SSP3 - Stalled Development	21.9%	22.2%	24.3%	27.5%	29.2%	30.1%	29.9%

Proportion of women age 20-39 with post-secondary education

SSP1 - Rapid Development	32.9%	39.7%	48.3%	60.3%	65.0%	71.8%	78.5%
SSP2 - CEPAM Zero Migration	32.9%	40.4%	49.4%	58.1%	61.8%	66.8%	72.9%
SSP2 - CEPAM Medium	32.9%	40.0%	48.6%	57.1%	60.8%	65.8%	72.1%
SSP2 - CEPAM Double Migration	32.9%	39.7%	47.9%	56.2%	60.0%	65.0%	71.4%
SSP3 - Stalled Development	32.9%	28.1%	27.1%	25.3%	26.4%	25.5%	25.9%

Mean years of schooling, age 25+

SSP1 - Rapid Development	12.4	12.7	13.1	13.7	13.9	14.1	14.6
SSP2 - CEPAM Zero Migration	12.4	12.7	13.2	13.8	14.0	14.2	14.6
SSP2 - CEPAM Medium	12.4	12.7	13.1	13.6	13.8	14.1	14.5
SSP2 - CEPAM Double Migration	12.4	12.7	13.1	13.5	13.7	13.9	14.3
SSP3 - Stalled Development	12.4	12.6	13.0	13.2	13.2	13.2	13.2

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.72	1.65	1.54	1.50	1.49	1.47	1.44
SSP2 - CEPAM Zero Migration	1.84	1.91	1.96	2.00	1.99	1.96	1.92
SSP2 - CEPAM Medium	1.84	1.91	1.96	2.00	1.99	1.96	1.92
SSP2 - CEPAM Double Migration	1.84	1.90	1.95	2.00	1.98	1.95	1.92
SSP3 - Stalled Development	2.01	2.30	2.57	2.72	2.71	2.67	2.61

Life expectancy at birth for females (in years)

SSP1 - Rapid Development	84.9	86.4	89.5	95.8	98.9	103.6	109.0
SSP2 - CEPAM Zero Migration	84.3	85.4	87.5	91.8	93.9	97.1	101.4
SSP2 - CEPAM Medium	84.3	85.4	87.5	91.8	93.9	97.1	101.3
SSP2 - CEPAM Double Migration	84.3	85.4	87.5	91.7	93.8	97.0	101.2
SSP3 - Stalled Development	83.8	84.4	85.5	87.7	88.8	90.5	92.7

Migration – net flow over five years (in thousands)

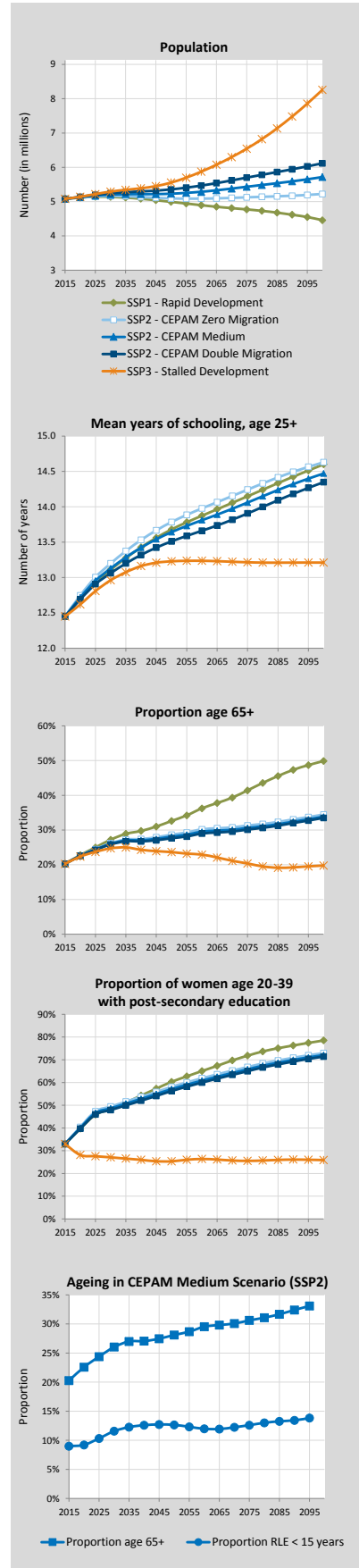
SSP1 - Rapid Development	10.7	12.8	16.1	21.2	22.1	21.6	19.1
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	10.7	13.0	17.2	24.0	25.6	26.1	23.9
SSP2 - CEPAM Double Migration	21.5	25.7	33.2	44.7	46.8	46.2	40.4
SSP3 - Stalled Development	7.2	4.5	0.0	0.0	0.0	0.1	0.1

Ageing indicators by scenario

	2015	2020	2030	2050	2060	2075	2095
Median age							
SSP1 - Rapid Development	42.5	43.3	46.0	50.9	53.1	57.9	63.7
SSP2 - CEPAM Zero Migration	42.5	43.2	44.9	46.2	46.4	47.7	49.3
SSP2 - CEPAM Medium	42.5	43.1	44.8	45.8	46.0	47.3	48.9
SSP2 - CEPAM Double Migration	42.5	43.0	44.6	45.5	45.8	47.0	48.8
SSP3 - Stalled Development	42.5	42.8	43.2	39.4	37.1	35.6	35.5

Proportion with less than 15 years of remaining life expectancy (RLE)

SSP1 - Rapid Development	9.0%	9.2%	11.6%	12.6%	12.0%	12.6%	13.8%
SSP2 - CEPAM Zero Migration	9.3%	9.9%	12.4%	12.7%	11.9%	12.3%	11.1%
SSP2 - CEPAM Medium	9.3%	9.8%	12.4%	12.5%	11.6%	11.9%	10.7%
SSP2 - CEPAM Double Migration	9.3%	9.8%	12.3%	12.2%	11.3%	11.6%	10.5%
SSP3 - Stalled Development	9.6%	10.6%	13.1%	11.9%	10.9%	9.9%	7.6%



Finland (Continued)

Labour force projections to 2060

Labour force indicators

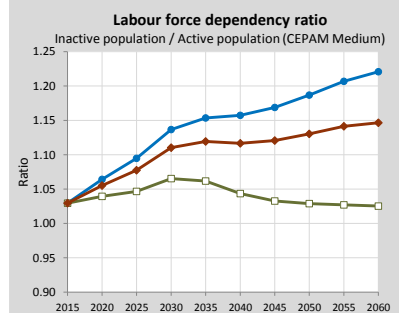
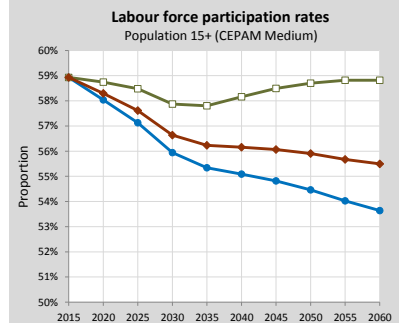
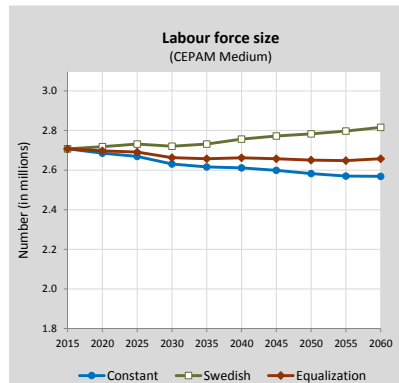
	2015	2020	2030	2040	2050	2060
Labour force size, by participation and migration scenario (in millions)						
Constant (CEPAM Zero Migration)	2.70	2.67	2.60	2.56	2.50	2.45
Constant (CEPAM Medium)	2.70	2.68	2.62	2.61	2.58	2.56
Constant (CEPAM Double Migration)	2.70	2.68	2.65	2.65	2.65	2.66
Swedish (CEPAM Zero Migration)	2.70	2.71	2.69	2.70	2.69	2.69
Swedish (CEPAM Medium)	2.70	2.71	2.71	2.75	2.78	2.81
Swedish (CEPAM Double Migration)	2.70	2.72	2.74	2.80	2.85	2.92
Equalization (CEPAM Zero Migration)	2.70	2.69	2.63	2.61	2.56	2.53
Equalization (CEPAM Medium)	2.70	2.69	2.66	2.66	2.64	2.65
Equalization (CEPAM Double Migration)	2.70	2.70	2.68	2.70	2.72	2.75
Constant (CEPAM Medium-low fertility)	2.70	2.68	2.62	2.57	2.44	2.30
Swedish (CEPAM Medium-low fertility)	2.70	2.71	2.71	2.71	2.64	2.53
Equalization (CEPAM Medium-low fertility)	2.70	2.69	2.66	2.62	2.51	2.38

Labour force participation rates, age 15+, by participation scenario (CEPAM Medium)

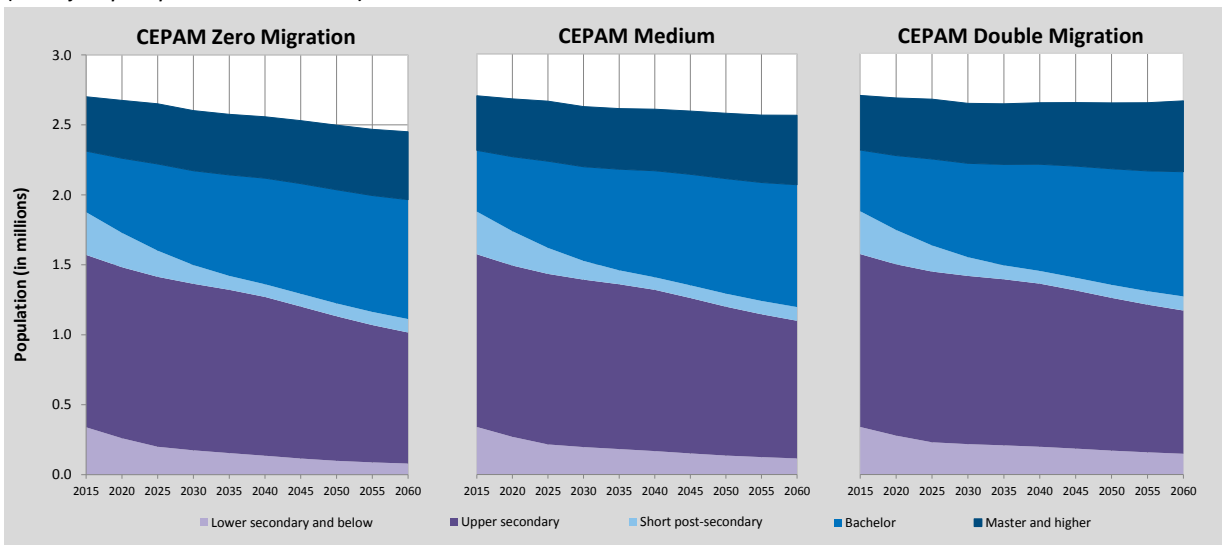
TOTAL (Constant)	58.9%	58.0%	55.9%	55.1%	54.5%	53.6%
TOTAL (Swedish)	58.9%	58.7%	57.9%	58.2%	58.7%	58.8%
TOTAL (Equalization)	58.9%	58.3%	56.6%	56.2%	55.9%	55.5%
MALE (Constant)	62.9%	61.9%	59.6%	58.7%	57.9%	57.0%
MALE (Swedish)	62.9%	62.6%	61.6%	61.9%	62.3%	62.2%
MALE (Equalization)	62.9%	61.9%	59.6%	58.7%	57.9%	57.0%
FEMALE (Constant)	55.1%	54.4%	52.4%	51.6%	51.1%	50.4%
FEMALE (Swedish)	55.1%	55.0%	54.3%	54.6%	55.2%	55.5%
FEMALE (Equalization)	55.1%	54.9%	53.7%	53.7%	53.9%	54.1%

Labour force (15+) by highest level of educational attainment. Columns sum to 100%. (CEPAM Medium; Constant participation)

TOTAL E1-E4 - lower secondary and below	12.5%	10.0%	7.5%	6.4%	5.3%	4.5%
TOTAL E5 - upper secondary	45.6%	45.6%	45.5%	44.1%	41.2%	38.3%
TOTAL E6 - short post-secondary	11.3%	9.1%	5.1%	3.4%	3.6%	3.8%
TOTAL E7 - bachelor	16.2%	19.8%	25.6%	29.2%	31.9%	34.0%
TOTAL E8 - master and higher	14.4%	15.4%	16.3%	16.8%	18.1%	19.3%
MALE E1-E4 - lower secondary and below	14.8%	12.0%	8.9%	7.4%	6.0%	4.9%
MALE E5 - upper secondary	50.0%	50.6%	51.3%	50.4%	48.1%	45.7%
MALE E6 - short post-secondary	8.4%	7.0%	4.1%	3.0%	3.0%	3.3%
MALE E7 - bachelor	14.0%	17.0%	21.6%	24.6%	27.2%	29.3%
MALE E8 - master and higher	12.8%	13.4%	14.1%	14.5%	15.7%	16.9%
FEMALE E1-E4 - lower secondary and below	10.1%	7.8%	5.9%	5.3%	4.5%	4.0%
FEMALE E5 - upper secondary	40.8%	40.1%	39.2%	37.3%	33.6%	30.1%
FEMALE E6 - short post-secondary	14.4%	11.5%	6.1%	3.9%	4.2%	4.5%
FEMALE E7 - bachelor	18.5%	23.0%	30.0%	34.1%	37.0%	39.4%
FEMALE E8 - master and higher	16.1%	17.5%	18.8%	19.4%	20.7%	22.1%



Labour force size by educational attainment according to three migration scenarios, 2015-2060 (Labour force participation = Constant scenario)



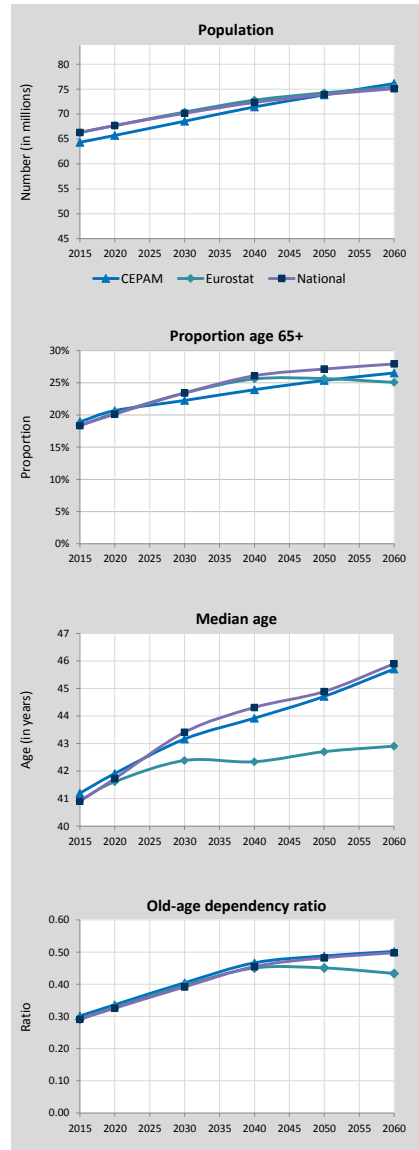
France

Detailed Human Capital projections to 2060

Comparison of CEPAM projections with other sources

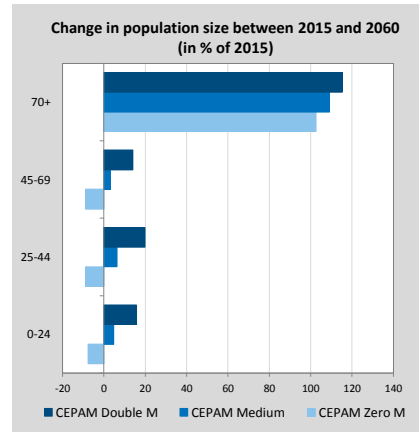
Demographic indicators - CEPAM Medium Scenario (SSP2), Eurostat and national projections							
		2015	2020	2030	2040	2050	2060
Population (in millions)	CEPAM	64.45	65.84	68.69	71.55	73.97	76.26
	Eurostat	66.42	67.82	70.53	72.92	74.38	75.53
	National	66.42	67.82	70.28	72.45	74.02	75.21
Proportion age 65+	CEPAM	18.9%	20.7%	22.3%	23.9%	25.4%	26.5%
	Eurostat	18.4%	20.3%	23.4%	25.6%	25.6%	25.1%
	National	18.4%	20.1%	23.4%	26.1%	27.1%	27.9%
Proportion below age 20	CEPAM	24.2%	23.8%	22.7%	22.1%	21.7%	21.0%
	Eurostat	24.6%	24.3%	23.4%	23.3%	23.3%	23.0%
	National	24.7%	24.4%	23.0%	22.3%	22.3%	21.7%
Median age	CEPAM	41.2	41.9	43.2	43.9	44.7	45.7
	Eurostat	40.9	41.6	42.4	42.3	42.7	42.9
	National	40.9	41.7	43.4	44.3	44.9	45.9
Old-age dependency ratio (65+/15-64)	CEPAM	0.30	0.34	0.40	0.47	0.49	0.50
	Eurostat	0.29	0.33	0.40	0.45	0.45	0.43
	National	0.29	0.33	0.39	0.46	0.48	0.50
Young-age dependency ratio (0-14/15-64)	CEPAM	0.29	0.29	0.29	0.29	0.29	0.28
	Eurostat	0.30	0.29	0.30	0.31	0.31	0.30
	National	0.30	0.29	0.28	0.29	0.29	0.29
Parent support ratio (85+/50-64)	CEPAM	0.16	0.18	0.21	0.36	0.46	0.53
	Eurostat	0.15	0.18	0.20	0.34	0.40	0.41
	National	0.15	0.17	0.20	0.31	0.39	0.45

Demographic assumptions underlying projections								
		2010-2015	2015-2020	2025-2030	2035-2040	2045-2050	2055-2060	
Total fertility rate	CEPAM	1.99	1.99	1.97	1.95	1.93	1.90	
	Eurostat	2.00	2.00	2.00	1.99	1.99	1.99	
	National	1.95	1.95	1.95	1.95	1.95	1.95	
Life expectancy at birth (in years)								
	Male	CEPAM	79.9	81.0	82.1	84.3	86.5	88.7
		Eurostat	79.7	80.6	81.3	82.7	84.0	85.2
National		79.9	81.0	82.1	84.3	86.3	88.1	
Female	CEPAM	85.7	86.8	87.8	90.0	92.2	94.3	
	Eurostat	85.8	86.4	87.0	88.1	89.2	90.1	
	National	85.9	86.7	87.4	88.6	90.0	91.4	
Five-year net migration flow (in thousands)	CEPAM	479.5	527.0	570.0	643.9	703.7	744.2	
	Eurostat	303.2	399.7	430.5	379.9	359.9	321.6	
	National	350.0	350.0	350.0	350.0	350.0	350.0	



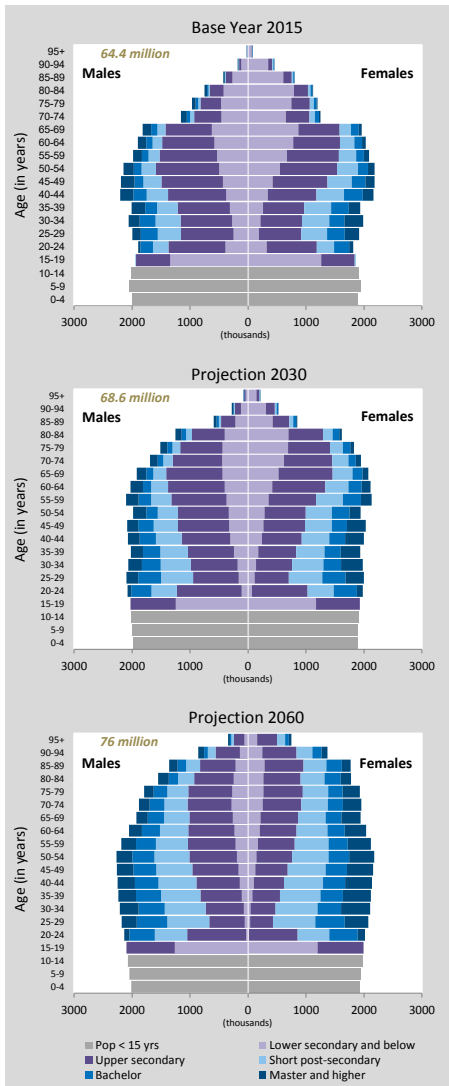
Changes in population size and structure according to CEPAM scenarios (impact of migration)

Population size according to CEPAM projections to 2060							
		2015	2020	2030	2040	2050	2060
Population (in millions)	Zero M	64.45	65.32	66.80	67.97	68.39	68.39
	Medium	64.45	65.84	68.69	71.55	73.97	76.26
	Double M	64.45	66.36	70.52	74.95	79.10	83.31
Population 0-24 (in millions)	Zero M	19.28	19.35	19.04	18.60	18.30	17.82
	Medium	19.28	19.52	19.67	19.80	20.08	20.19
	Double M	19.28	19.68	20.28	20.94	21.73	22.32
Population 25-44 (in millions)	Zero M	16.26	15.56	15.24	15.46	15.27	14.83
	Medium	16.26	15.85	16.17	16.87	17.16	17.31
	Double M	16.26	16.15	17.08	18.18	18.86	19.49
Population 45-69 (in millions)	Zero M	20.48	20.57	20.10	19.04	18.61	18.67
	Medium	20.48	20.63	20.40	19.94	20.31	21.12
	Double M	20.48	20.68	20.70	20.81	21.91	23.36
Population 70+ (in millions)	Zero M	8.43	9.84	12.42	14.87	16.21	17.07
	Medium	8.43	9.85	12.44	14.94	16.41	17.63
	Double M	8.43	9.85	12.47	15.01	16.61	18.16



France (Continued)

Pyramids by education, CEPAM Medium

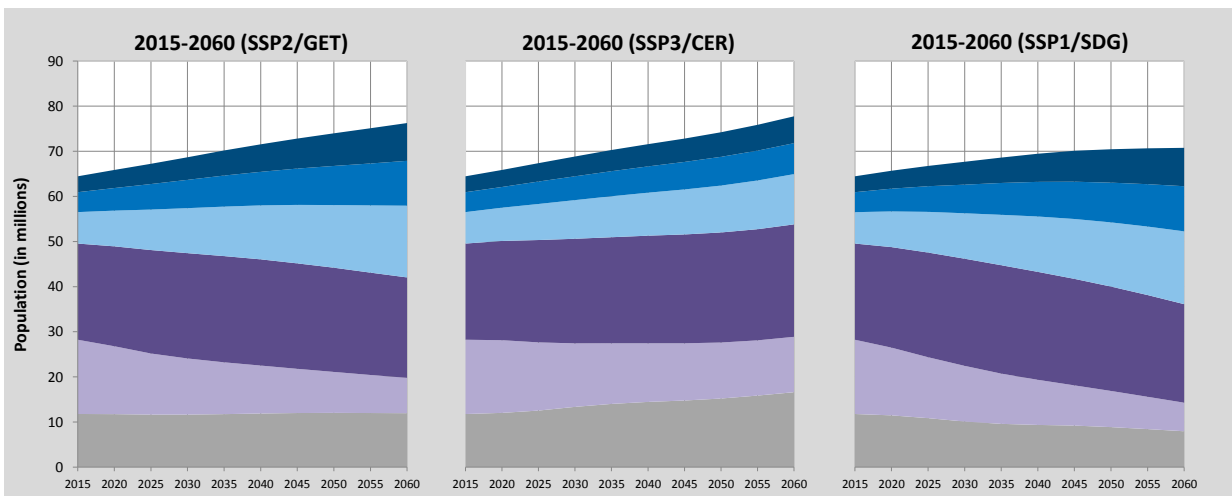


Detailed Human Capital projections to 2060

Human Capital indicators, CEPAM Medium (SSP2)

	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1-E4 - lower secondary and below	29.1%	25.9%	20.1%	15.6%	12.2%	9.5%
E5 - upper secondary	40.5%	40.7%	40.3%	38.8%	36.4%	33.5%
E6 - short post-secondary	14.1%	15.6%	18.5%	21.3%	23.9%	26.4%
E7 - bachelor	8.7%	9.5%	11.3%	12.9%	14.5%	16.1%
E8 - master and higher	7.6%	8.3%	9.9%	11.4%	13.0%	14.6%
Mean years of schooling (in years)	11.29	11.59	12.14	12.59	12.97	13.30
Age gap: highest educational attainment (ratio 35-44/50-64)						
E1-E4 - lower secondary and below	0.53	0.58	0.68	0.58	0.51	0.53
E5 - upper secondary	0.91	0.86	0.87	0.89	0.87	0.84
E6 - short post-secondary	1.64	1.48	1.25	1.23	1.21	1.17
E7 - bachelor	1.98	1.75	1.23	1.21	1.21	1.17
E8 - master and higher	1.68	1.62	1.40	1.25	1.21	1.17
Mean years of schooling (35-44 minus 50-64)	1.53	1.21	0.82	0.83	0.78	0.65
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1-E4 - lower secondary and below	0.80	0.82	0.86	0.92	0.99	1.07
E5 - upper secondary	1.23	1.21	1.19	1.19	1.20	1.23
E6 - short post-secondary	0.81	0.83	0.86	0.88	0.90	0.92
E7 - bachelor	0.85	0.88	0.92	0.95	0.98	1.00
E8 - master and higher	1.36	1.19	0.97	0.83	0.75	0.69
Mean years of schooling (male minus female)	0.42	0.31	0.10	-0.08	-0.23	-0.34
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1-E4 - lower secondary and below	13%	11%	6%	4%	3%	2%
E5 - upper secondary	40%	38%	36%	32%	29%	26%
E6 - short post-secondary	22%	23%	26%	29%	31%	32%
E7 - bachelor	15%	15%	18%	19%	20%	22%
E8 - master and higher	11%	13%	14%	16%	17%	18%
Mean years of schooling (in years)	12.89	13.08	13.50	13.79	14.00	14.18
Age gap among women: highest educational attainment (ratio 35-44/50-64)						
E1-E4 - lower secondary and below	0.46	0.51	0.62	0.56	0.49	0.49
E5 - upper secondary	0.89	0.83	0.86	0.87	0.82	0.79
E6 - short post-secondary	1.59	1.40	1.15	1.18	1.21	1.17
E7 - bachelor	2.20	1.70	1.01	1.12	1.21	1.17
E8 - master and higher	2.15	2.35	2.00	1.35	1.21	1.17
Mean years of schooling (35-44 minus 50-64)	2.33	1.94	1.29	1.10	1.04	0.87

Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG



Colour legend as in pyramids above

Education scenarios

SSP2/GET : Global Education Trend Scenario (Medium assumption)

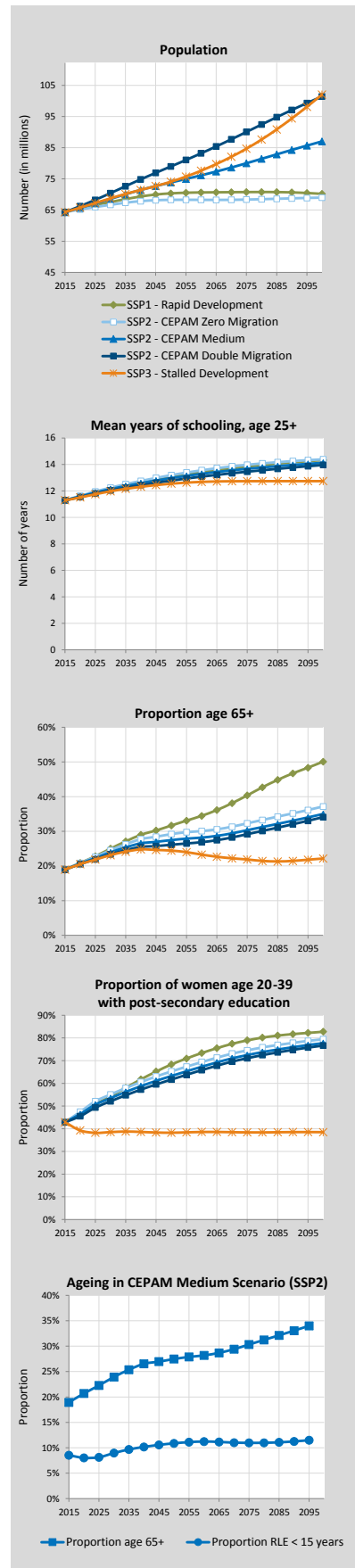
SSP3/CER : Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG : Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

France (Continued)

Alternative scenarios to 2100

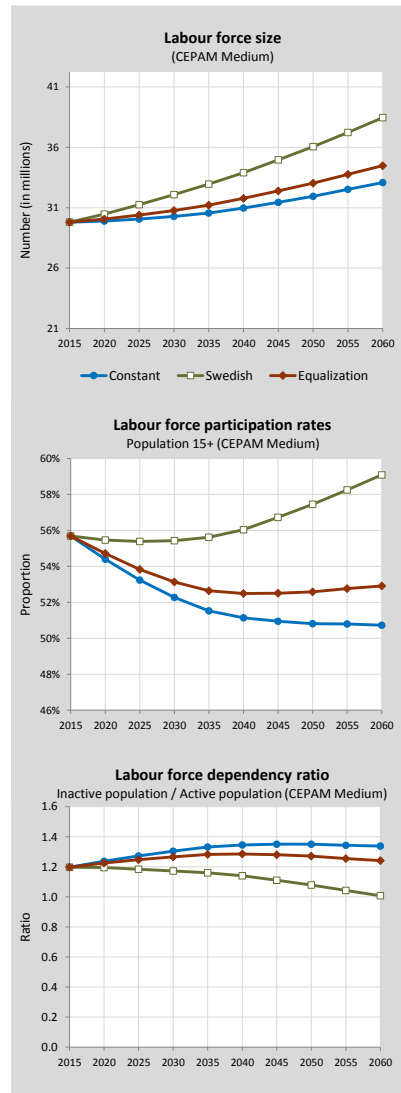
Projection results by scenario (SSP1-SSP3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	64.45	65.69	67.67	70.47	70.77	70.89	70.30
SSP2 - CEPAM Zero Migration	64.45	65.32	66.80	68.39	68.39	68.48	69.11
SSP2 - CEPAM Medium	64.45	65.84	68.69	73.97	76.26	80.13	87.14
SSP2 - CEPAM Double Migration	64.45	66.36	70.52	79.10	83.31	90.16	101.54
SSP3 - Stalled Development	64.45	65.88	68.85	74.21	77.75	84.81	102.16
Proportion age 65+							
SSP1 - Rapid Development	18.9%	20.9%	25.0%	31.7%	34.5%	40.4%	50.1%
SSP2 - CEPAM Zero Migration	18.9%	20.8%	24.5%	29.2%	30.1%	32.3%	37.2%
SSP2 - CEPAM Medium	18.9%	20.7%	23.9%	27.5%	28.2%	30.3%	35.0%
SSP2 - CEPAM Double Migration	18.9%	20.5%	23.4%	26.1%	26.9%	29.2%	34.1%
SSP3 - Stalled Development	18.9%	20.5%	23.1%	24.4%	23.3%	21.9%	22.1%
Proportion below age 20							
SSP1 - Rapid Development	24.2%	23.5%	20.8%	17.1%	15.6%	13.7%	11.2%
SSP2 - CEPAM Zero Migration	24.2%	23.8%	22.6%	21.4%	20.6%	19.7%	17.9%
SSP2 - CEPAM Medium	24.2%	23.8%	22.7%	21.7%	21.0%	20.2%	18.5%
SSP2 - CEPAM Double Migration	24.2%	23.8%	22.9%	22.0%	21.3%	20.4%	18.7%
SSP3 - Stalled Development	24.2%	24.2%	25.1%	27.0%	27.8%	28.4%	28.1%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	42.9%	46.5%	54.3%	68.3%	73.4%	78.9%	82.7%
SSP2 - CEPAM Zero Migration	42.9%	47.4%	55.1%	65.2%	69.4%	74.5%	79.4%
SSP2 - CEPAM Medium	42.9%	46.4%	53.5%	63.2%	67.3%	72.4%	77.7%
SSP2 - CEPAM Double Migration	42.9%	45.5%	52.1%	61.7%	65.8%	71.1%	76.6%
SSP3 - Stalled Development	42.9%	39.3%	38.5%	38.2%	38.6%	38.4%	38.5%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	11.3	11.6	12.1	13.1	13.4	13.8	14.3
SSP2 - CEPAM Zero Migration	11.3	11.6	12.2	13.2	13.6	14.0	14.4
SSP2 - CEPAM Medium	11.3	11.6	12.1	13.0	13.3	13.7	14.1
SSP2 - CEPAM Double Migration	11.3	11.5	12.0	12.8	13.1	13.5	14.0
SSP3 - Stalled Development	11.3	11.5	12.0	12.6	12.7	12.7	12.7
Demographic assumptions underlying SSPs							
	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.86	1.72	1.54	1.43	1.41	1.40	1.39
SSP2 - CEPAM Zero Migration	1.99	1.99	1.97	1.91	1.89	1.87	1.85
SSP2 - CEPAM Medium	1.99	1.99	1.97	1.91	1.89	1.87	1.85
SSP2 - CEPAM Double Migration	1.99	1.99	1.97	1.91	1.89	1.87	1.85
SSP3 - Stalled Development	2.16	2.36	2.53	2.57	2.55	2.53	2.52
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	86.2	87.8	90.9	97.3	100.4	105.2	111.5
SSP2 - CEPAM Zero Migration	85.7	86.8	88.9	93.3	95.5	98.8	103.1
SSP2 - CEPAM Medium	85.7	86.8	88.9	93.3	95.4	98.7	103.0
SSP2 - CEPAM Double Migration	85.7	86.7	88.9	93.2	95.4	98.6	102.9
SSP3 - Stalled Development	85.2	85.7	86.9	89.2	90.4	92.0	94.3
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	479.7	522.8	584.0	659.1	665.8	638.5	545.8
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	479.5	527.0	608.9	726.9	755.0	753.2	689.6
SSP2 - CEPAM Double Migration	959.1	1039.7	1168.9	1326.3	1340.8	1278.2	1087.4
SSP3 - Stalled Development	319.8	178.7	0.5	0.8	0.9	1.0	1.1
Ageing indicators by scenario							
	2015	2020	2030	2050	2060	2075	2095
Median age							
SSP1 - Rapid Development	41.2	42.1	44.5	49.1	52.2	57.1	63.4
SSP2 - CEPAM Zero Migration	41.2	42.1	43.9	45.8	47.0	48.7	51.9
SSP2 - CEPAM Medium	41.2	41.9	43.2	44.7	45.7	47.2	50.2
SSP2 - CEPAM Double Migration	41.2	41.7	42.5	43.9	44.9	46.4	49.4
SSP3 - Stalled Development	41.2	41.7	42.1	39.9	38.2	37.5	37.7
Proportion with less than 15 years of remaining life expectancy (RLE)							
SSP1 - Rapid Development	8.5%	8.0%	9.0%	10.9%	11.2%	11.0%	11.5%
SSP2 - CEPAM Zero Migration	8.8%	8.5%	9.9%	11.9%	11.9%	11.3%	11.3%
SSP2 - CEPAM Medium	8.8%	8.4%	9.7%	11.0%	10.8%	10.2%	10.3%
SSP2 - CEPAM Double Migration	8.8%	8.4%	9.4%	10.4%	10.1%	9.5%	9.8%
SSP3 - Stalled Development	9.0%	8.9%	10.5%	11.5%	10.7%	9.3%	8.1%



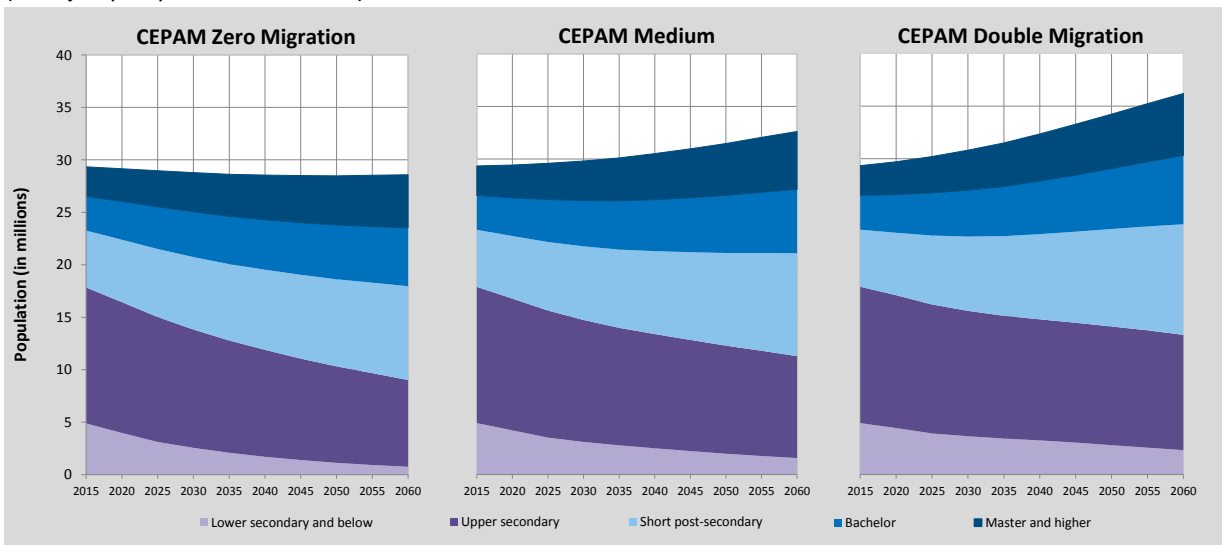
France (Continued)

Labour force projections to 2060

Labour force indicators	2015	2020	2030	2040	2050	2060
Labour force size, by participation and migration scenario (in millions)						
Constant (CEPAM Zero Migration)	29.34	29.15	28.79	28.55	28.47	28.57
Constant (CEPAM Medium)	29.34	29.43	29.82	30.51	31.48	32.62
Constant (CEPAM Double Migration)	29.34	29.71	30.81	32.36	34.23	36.20
Swedish (CEPAM Zero Migration)	29.34	29.72	30.56	31.36	32.28	33.36
Swedish (CEPAM Medium)	29.34	30.00	31.62	33.43	35.59	37.99
Swedish (CEPAM Double Migration)	29.34	30.29	32.65	35.39	38.63	42.10
Equalization (CEPAM Zero Migration)	29.34	29.31	29.24	29.27	29.42	29.76
Equalization (CEPAM Medium)	29.34	29.60	30.31	31.32	32.57	34.02
Equalization (CEPAM Double Migration)	29.34	29.89	31.34	33.24	35.46	37.79
Constant (CEPAM Medium-low fertility)	29.34	29.43	29.80	30.22	30.03	29.44
Swedish (CEPAM Medium-low fertility)	29.34	30.00	31.61	33.03	33.84	34.30
Equalization (CEPAM Medium-low fertility)	29.34	29.60	30.30	31.01	31.07	30.70
Labour force participation rates, age 15+, by participation scenario (CEPAM Medium)						
TOTAL (Constant)	55.7%	54.4%	52.3%	51.1%	50.8%	50.7%
TOTAL (Swedish)	55.7%	55.5%	55.4%	56.0%	57.5%	59.1%
TOTAL (Equalization)	55.7%	54.7%	53.1%	52.5%	52.6%	52.9%
MALE (Constant)	60.7%	59.1%	56.7%	55.5%	54.9%	54.6%
MALE (Swedish)	60.7%	60.1%	59.7%	60.2%	61.3%	62.7%
MALE (Equalization)	60.7%	59.1%	56.7%	55.5%	54.9%	54.6%
FEMALE (Constant)	50.9%	49.9%	48.0%	47.0%	46.9%	47.0%
FEMALE (Swedish)	50.9%	51.0%	51.3%	52.1%	53.7%	55.6%
FEMALE (Equalization)	50.9%	50.5%	49.7%	49.6%	50.3%	51.3%
Labour force (15+) by highest level of educational attainment. Columns sum to 100%. (CEPAM Medium; Constant participation)						
TOTAL E1-E4 - lower secondary and below	16.7%	14.3%	10.4%	8.2%	6.3%	4.8%
TOTAL E5 - upper secondary	44.2%	42.6%	38.9%	35.6%	32.7%	29.7%
TOTAL E6 - short post-secondary	18.5%	20.2%	23.4%	25.8%	28.0%	30.0%
TOTAL E7 - bachelor	11.2%	12.3%	14.6%	16.1%	17.4%	18.6%
TOTAL E8 - master and higher	9.6%	10.6%	12.6%	14.3%	15.7%	16.9%
MALE E1-E4 - lower secondary and below	17.7%	15.6%	11.9%	9.5%	7.5%	5.7%
MALE E5 - upper secondary	47.0%	45.6%	42.2%	39.2%	36.6%	33.9%
MALE E6 - short post-secondary	15.9%	17.9%	21.6%	24.4%	26.7%	28.8%
MALE E7 - bachelor	9.7%	11.0%	13.7%	15.7%	17.3%	18.7%
MALE E8 - master and higher	9.6%	10.0%	10.7%	11.1%	11.9%	12.8%
FEMALE E1-E4 - lower secondary and below	15.5%	12.7%	8.7%	6.6%	5.0%	3.8%
FEMALE E5 - upper secondary	40.9%	39.3%	35.2%	31.5%	28.2%	25.0%
FEMALE E6 - short post-secondary	21.3%	22.8%	25.5%	27.4%	29.4%	31.3%
FEMALE E7 - bachelor	12.8%	13.9%	15.7%	16.5%	17.4%	18.5%
FEMALE E8 - master and higher	9.5%	11.3%	14.9%	18.0%	20.0%	21.4%



Labour force size by educational attainment according to three migration scenarios, 2015-2060 (Labour force participation = Constant scenario)



Germany

Detailed Human Capital projections to 2060

Comparison of CEPAM projections with other sources

Demographic indicators - CEPAM Medium Scenario (SSP2), Eurostat and national projections		2015	2020	2030	2040	2050	2060
Population (in millions)	CEPAM	81.71	81.52	81.10	80.53	79.91	79.21
	Eurostat	81.20	83.75	84.61	84.13	82.69	80.83
	National	81.46	82.59	81.45	79.82	76.82	73.64
Proportion age 65+	CEPAM	21.1%	22.4%	24.5%	27.4%	30.1%	31.0%
	Eurostat	21.0%	21.8%	25.8%	28.7%	29.4%	30.6%
	National	20.4%	21.1%	25.1%	27.5%	27.6%	28.3%
Proportion below age 20	CEPAM	18.1%	17.7%	17.9%	17.3%	16.8%	17.2%
	Eurostat	18.2%	18.0%	18.6%	18.3%	17.8%	18.4%
	National	18.5%	18.2%	18.6%	17.9%	17.4%	17.9%
Median age	CEPAM	45.9	47.0	48.1	50.1	51.1	50.6
	Eurostat	45.8	45.9	46.6	48.3	49.2	48.5
	National	45.4	45.5	46.3	48.2	48.5	47.7
Old-age dependency ratio (65+/15-64)	CEPAM	0.32	0.35	0.46	0.55	0.58	0.62
	Eurostat	0.32	0.34	0.43	0.49	0.51	0.55
	National	0.31	0.32	0.41	0.46	0.46	0.48
Young-age dependency ratio (0-14/15-64)	CEPAM	0.20	0.20	0.23	0.22	0.22	0.24
	Eurostat	0.20	0.21	0.23	0.23	0.23	0.25
	National	0.20	0.21	0.23	0.22	0.21	0.23
Parent support ratio (85+/50-64)	CEPAM	0.12	0.13	0.22	0.28	0.44	0.55
	Eurostat	0.12	0.13	0.21	0.25	0.35	0.42
	National	0.08	0.09	0.11	0.15	0.21	0.19

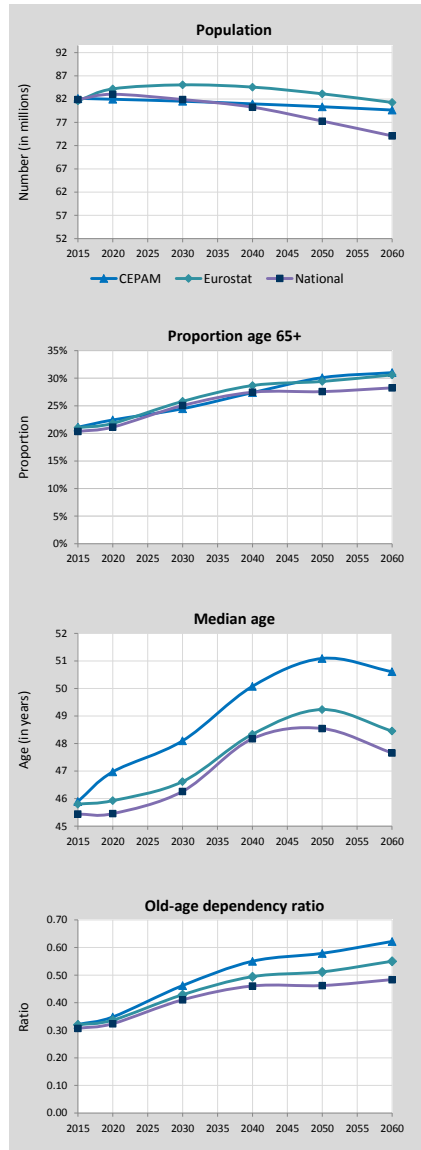
Demographic assumptions underlying projections

		2010-2015	2015-2020	2025-2030	2035-2040	2045-2050	2055-2060	
Total fertility rate	CEPAM	1.47	1.51	1.52	1.56	1.59	1.61	
	Eurostat	1.49	1.51	1.52	1.56	1.59	1.63	
	National	1.50	1.51	1.51	1.51	1.51	1.51	
Life expectancy at birth (in years)								
	Male	CEPAM	79.0	80.1	81.2	83.4	85.6	87.9
		Eurostat	78.9	79.8	80.5	82.0	83.3	84.6
National		78.4	79.2	80.0	81.4	82.9	84.2	
Female	CEPAM	83.6	84.7	85.8	87.9	90.1	92.3	
	Eurostat	83.8	84.5	85.2	86.4	87.6	88.8	
	National	83.3	84.0	84.7	86.0	87.1	88.2	
Five-year net migration flow (in thousands)	CEPAM	841.0	926.1	1004.6	1144.6	1263.5	1354.0	
	Eurostat	3310.6	1482.4	1386.5	1034.3	1028.2	940.2	
	National	3089.4	1050.0	1000.0	1000.0	1000.0	1000.0	

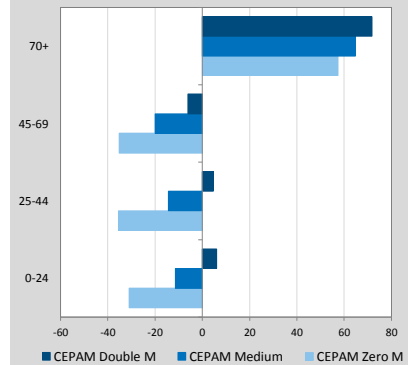
Changes in population size and structure according to CEPAM scenarios (impact of migration)

Population size according to CEPAM projections to 2060

		2015	2020	2030	2040	2050	2060
Population (in millions)	Zero M	81.71	80.62	77.89	74.42	70.41	65.82
	Medium	81.71	81.52	81.10	80.53	79.91	79.21
	Double M	81.71	82.41	84.23	86.36	88.78	91.42
Population 0-24 (in millions)	Zero M	19.39	18.35	17.17	15.89	14.33	13.41
	Medium	19.39	18.62	18.18	17.80	17.17	17.17
	Double M	19.39	18.89	19.16	19.62	19.81	20.57
Population 25-44 (in millions)	Zero M	20.24	19.57	17.49	14.75	13.94	13.05
	Medium	20.24	20.09	19.13	17.24	17.25	17.35
	Double M	20.24	20.61	20.73	19.60	20.28	21.19
Population 45-69 (in millions)	Zero M	29.03	29.27	27.38	23.76	21.80	18.85
	Medium	29.03	29.36	27.91	25.35	24.81	23.22
	Double M	29.03	29.46	28.43	26.89	27.67	27.27
Population 70+ (in millions)	Zero M	13.04	13.44	15.84	20.02	20.34	20.52
	Medium	13.04	13.44	15.88	20.14	20.68	21.47
	Double M	13.04	13.45	15.92	20.26	21.01	22.39

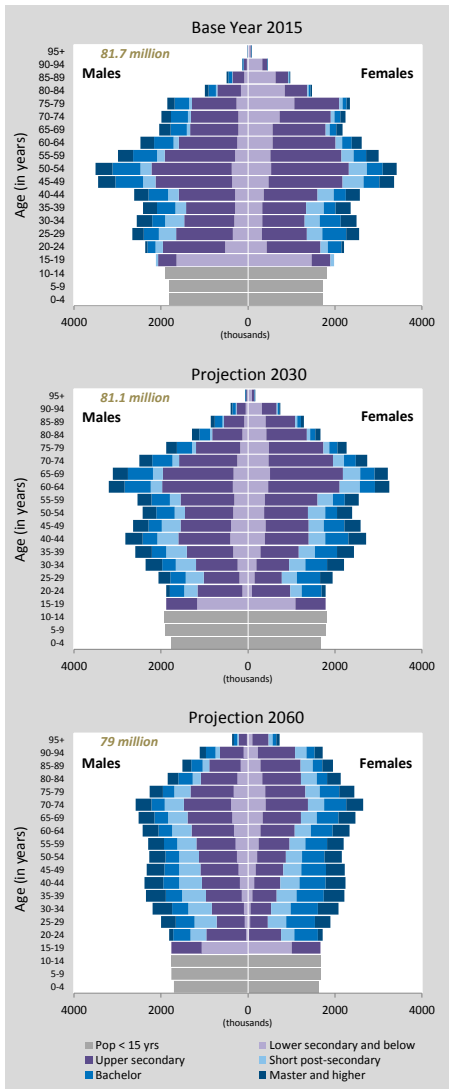


Change in population size between 2015 and 2060 (in % of 2015)



Germany (Continued)

Pyramids by education, CEPAM Medium



Detailed Human Capital projections to 2060

Human Capital indicators, CEPAM Medium (SSP2)	2015	2020	2030	2040	2050	2060
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Population age 25+: highest educational attainment (columns sum to 100%)						
E1-E4 - lower secondary and below	17.9%	16.5%	14.3%	12.9%	11.7%	10.6%
E5 - upper secondary	49.3%	48.4%	46.3%	43.5%	40.2%	36.7%
E6 - short post-secondary	8.9%	10.0%	12.0%	14.0%	16.0%	17.9%
E7 - bachelor	13.5%	14.1%	15.0%	16.0%	17.2%	18.4%
E8 - master and higher	10.3%	11.0%	12.4%	13.6%	14.9%	16.4%
Mean years of schooling (in years)	13.44	13.53	13.71	13.85	14.02	14.21

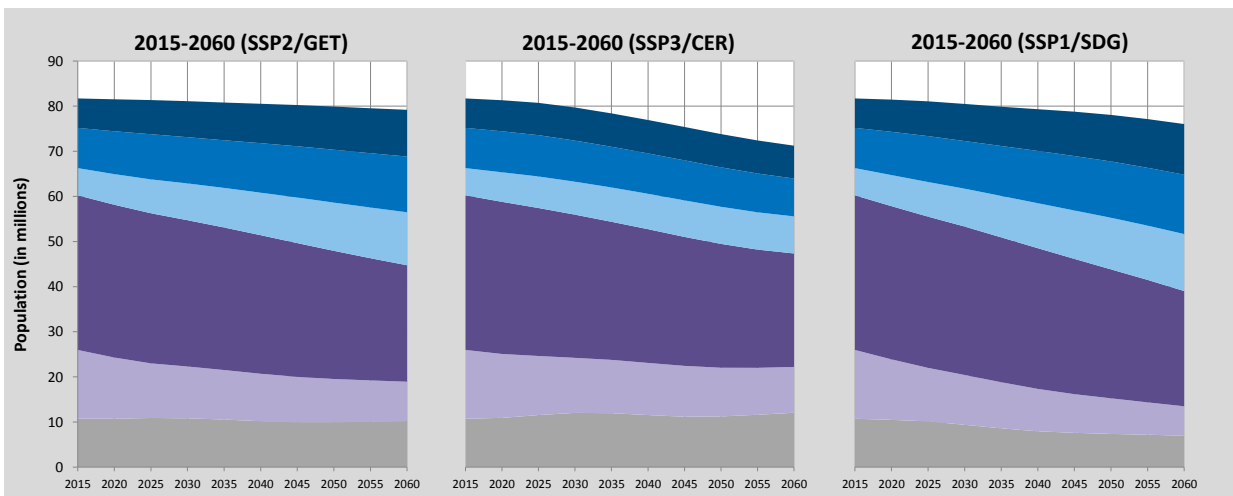
Age gap: highest educational attainment (ratio 35-44/50-64)						
E1-E4 - lower secondary and below	0.91	1.06	0.98	0.71	0.61	0.54
E5 - upper secondary	0.87	0.82	0.82	0.89	0.88	0.87
E6 - short post-secondary	1.65	1.49	1.34	1.23	1.21	1.19
E7 - bachelor	1.02	1.03	1.13	1.20	1.21	1.20
E8 - master and higher	1.27	1.32	1.22	1.19	1.21	1.19
Mean years of schooling (35-44 minus 50-64)	0.34	0.27	0.36	0.63	0.79	0.81

Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1-E4 - lower secondary and below	0.49	0.56	0.71	0.84	0.94	1.00
E5 - upper secondary	1.09	1.07	1.05	1.07	1.11	1.16
E6 - short post-secondary	0.83	0.88	0.95	0.99	1.05	1.10
E7 - bachelor	1.68	1.46	1.16	0.95	0.81	0.70
E8 - master and higher	1.29	1.21	1.10	1.02	0.97	0.95
Mean years of schooling (male minus female)	0.70	0.54	0.28	0.08	-0.07	-0.18

Women age 20-39: highest educational attainment (columns sum to 100%)						
E1-E4 - lower secondary and below	15%	13%	9%	6%	4%	3%
E5 - upper secondary	44%	41%	38%	34%	31%	27%
E6 - short post-secondary	13%	14%	16%	18%	19%	21%
E7 - bachelor	17%	20%	24%	27%	29%	31%
E8 - master and higher	11%	12%	14%	15%	17%	18%
Mean years of schooling (in years)	13.79	13.93	14.32	14.62	14.92	15.14

Age gap among women: highest educational attainment (ratio 35-44/50-64)						
E1-E4 - lower secondary and below	0.78	0.92	0.87	0.64	0.56	0.49
E5 - upper secondary	0.85	0.77	0.78	0.86	0.83	0.81
E6 - short post-secondary	1.68	1.27	0.98	1.13	1.24	1.21
E7 - bachelor	1.16	1.49	1.86	1.37	1.24	1.21
E8 - master and higher	1.46	1.49	1.27	1.21	1.24	1.21
Mean years of schooling (35-44 minus 50-64)	0.82	0.68	0.80	0.97	1.14	1.10

Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG



Colour legend as in pyramids above

Education scenarios

SSP2/GET : Global Education Trend Scenario (Medium assumption)

SSP3/CER : Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG : Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

Germany (Continued)

Alternative scenarios to 2100

Projection results by scenario (SSP1-SSP3)

	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	81.71	81.44	80.48	78.05	76.05	73.59	70.87
SSP2 - CEPAM Zero Migration	81.71	80.62	77.89	70.41	65.82	60.03	52.69
SSP2 - CEPAM Medium	81.71	81.52	81.10	79.91	79.21	79.86	83.46
SSP2 - CEPAM Double Migration	81.71	82.41	84.24	88.78	91.42	97.35	108.95
SSP3 - Stalled Development	81.71	81.31	79.69	73.82	71.24	69.48	71.79

Proportion age 65+

SSP1 - Rapid Development	21.1%	22.6%	28.5%	36.7%	40.3%	44.3%	51.3%
SSP2 - CEPAM Zero Migration	21.1%	22.7%	28.4%	35.6%	37.7%	38.8%	42.3%
SSP2 - CEPAM Medium	21.1%	22.4%	27.4%	32.1%	33.4%	34.0%	36.8%
SSP2 - CEPAM Double Migration	21.1%	22.2%	26.4%	29.6%	30.6%	31.5%	34.9%
SSP3 - Stalled Development	21.1%	22.3%	26.8%	30.3%	30.2%	27.4%	26.6%

Proportion below age 20

SSP1 - Rapid Development	18.1%	17.4%	16.2%	13.0%	12.5%	11.4%	10.3%
SSP2 - CEPAM Zero Migration	18.1%	17.7%	17.6%	15.8%	16.1%	15.7%	15.2%
SSP2 - CEPAM Medium	18.1%	17.7%	17.9%	16.8%	17.2%	17.1%	16.6%
SSP2 - CEPAM Double Migration	18.1%	17.8%	18.2%	17.5%	17.9%	17.7%	17.1%
SSP3 - Stalled Development	18.1%	18.0%	19.6%	20.4%	22.1%	23.3%	24.3%

Proportion of women age 20-39 with post-secondary education

SSP1 - Rapid Development	38.1%	43.6%	53.0%	68.0%	73.5%	79.1%	83.0%
SSP2 - CEPAM Zero Migration	38.1%	43.7%	51.7%	62.2%	66.6%	71.7%	78.0%
SSP2 - CEPAM Medium	38.1%	42.7%	49.9%	59.6%	63.9%	68.9%	75.5%
SSP2 - CEPAM Double Migration	38.1%	41.9%	48.4%	57.9%	62.2%	67.5%	74.5%
SSP3 - Stalled Development	38.1%	38.6%	39.1%	38.1%	38.8%	38.0%	38.3%

Mean years of schooling, age 25+

SSP1 - Rapid Development	13.4	13.5	13.8	14.2	14.5	14.9	15.5
SSP2 - CEPAM Zero Migration	13.4	13.6	13.9	14.3	14.6	14.9	15.4
SSP2 - CEPAM Medium	13.4	13.5	13.7	14.0	14.2	14.5	15.1
SSP2 - CEPAM Double Migration	13.4	13.5	13.6	13.8	14.0	14.3	14.9
SSP3 - Stalled Development	13.4	13.5	13.7	13.9	14.0	14.0	14.0

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.36	1.30	1.20	1.19	1.20	1.22	1.23
SSP2 - CEPAM Zero Migration	1.46	1.51	1.54	1.60	1.61	1.63	1.65
SSP2 - CEPAM Medium	1.47	1.51	1.54	1.60	1.62	1.63	1.65
SSP2 - CEPAM Double Migration	1.47	1.51	1.55	1.60	1.62	1.63	1.65
SSP3 - Stalled Development	1.58	1.76	1.96	2.14	2.17	2.20	2.24

Life expectancy at birth for females (in years)

SSP1 - Rapid Development	84.1	85.7	88.8	95.2	98.4	103.2	108.9
SSP2 - CEPAM Zero Migration	83.6	84.7	86.9	91.3	93.5	96.8	101.1
SSP2 - CEPAM Medium	83.6	84.7	86.8	91.2	93.4	96.6	101.0
SSP2 - CEPAM Double Migration	83.6	84.7	86.8	91.1	93.3	96.5	100.9
SSP3 - Stalled Development	83.1	83.6	84.8	87.2	88.4	90.1	92.4

Migration – net flow over five years (in thousands)

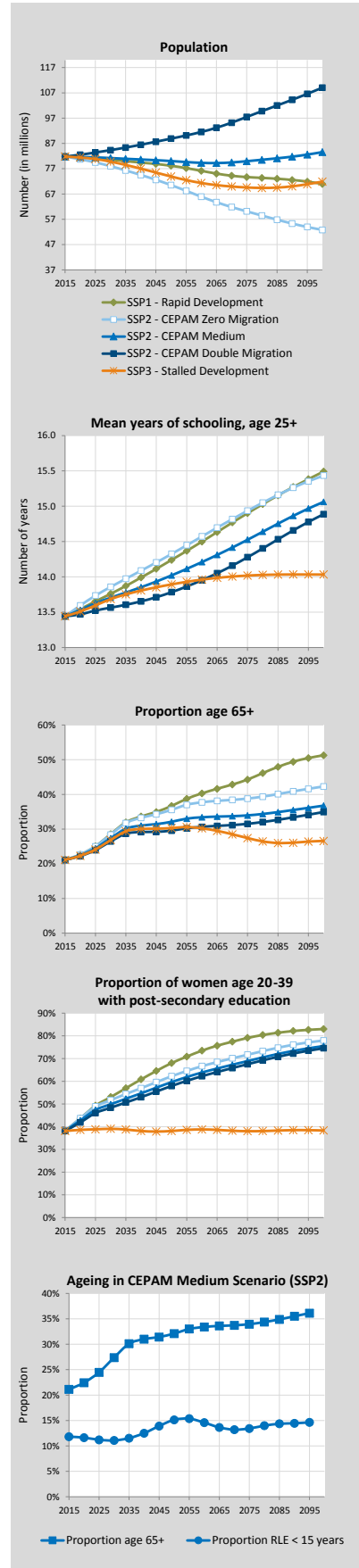
SSP1 - Rapid Development	841.3	919.0	1035.3	1190.1	1218.4	1195.2	1077.8
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	841.0	926.1	1077.5	1313.4	1384.1	1420.6	1376.3
SSP2 - CEPAM Double Migration	1682.1	1831.1	2083.4	2438.1	2516.8	2499.8	2310.7
SSP3 - Stalled Development	560.8	313.7	1.0	1.4	1.6	1.9	2.2

Ageing indicators by scenario

	2015	2020	2030	2050	2060	2075	2095
Median age							
SSP1 - Rapid Development	45.9	47.2	49.2	55.2	57.2	60.4	65.4
SSP2 - CEPAM Zero Migration	45.9	47.3	49.3	54.1	54.3	55.3	57.1
SSP2 - CEPAM Medium	45.9	47.0	48.1	51.1	50.6	51.3	52.4
SSP2 - CEPAM Double Migration	45.9	46.6	47.0	49.1	48.6	49.4	50.9
SSP3 - Stalled Development	45.9	46.9	47.7	48.8	45.7	44.3	42.6

Proportion with less than 15 years of remaining life expectancy (RLE)

SSP1 - Rapid Development	11.8%	11.6%	11.1%	15.1%	14.6%	13.4%	14.6%
SSP2 - CEPAM Zero Migration	12.2%	12.3%	12.3%	17.5%	16.1%	16.5%	14.5%
SSP2 - CEPAM Medium	12.2%	12.2%	11.9%	15.6%	13.7%	13.5%	11.8%
SSP2 - CEPAM Double Migration	12.2%	12.1%	11.5%	14.1%	12.1%	11.9%	10.7%
SSP3 - Stalled Development	12.6%	12.8%	13.1%	16.9%	14.8%	14.3%	10.7%



Germany (Continued)

Labour force projections to 2060

Labour force indicators

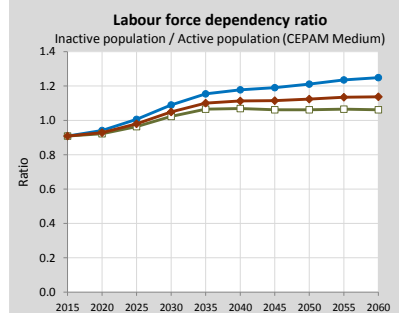
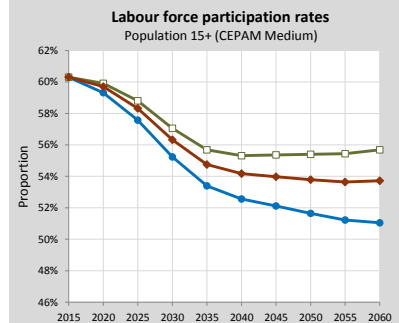
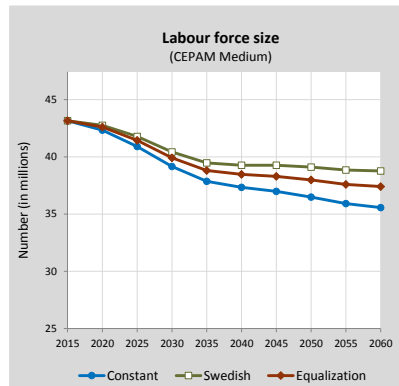
	2015	2020	2030	2040	2050	2060
Labour force size, by participation and migration scenario (in millions)						
Constant (CEPAM Zero Migration)	42.81	41.48	36.94	33.40	30.57	27.71
Constant (CEPAM Medium)	42.81	41.99	38.81	36.98	36.13	35.22
Constant (CEPAM Double Migration)	42.81	42.50	40.63	40.41	41.31	42.03
Swedish (CEPAM Zero Migration)	42.81	41.89	38.17	35.18	32.86	30.29
Swedish (CEPAM Medium)	42.81	42.41	40.09	38.92	38.76	38.42
Swedish (CEPAM Double Migration)	42.81	42.92	41.96	42.49	44.26	45.80
Equalization (CEPAM Zero Migration)	42.81	41.74	37.65	34.39	31.82	29.14
Equalization (CEPAM Medium)	42.81	42.26	39.57	38.12	37.63	37.06
Equalization (CEPAM Double Migration)	42.81	42.78	41.45	41.67	43.05	44.25
Constant (CEPAM Medium-low fertility)	42.81	41.99	38.79	36.54	34.52	32.03
Swedish (CEPAM Medium-low fertility)	42.81	42.41	40.07	38.44	37.00	34.97
Equalization (CEPAM Medium-low fertility)	42.81	42.26	39.55	37.67	35.98	33.75

Labour force participation rates, age 15+, by participation scenario (CEPAM Medium)

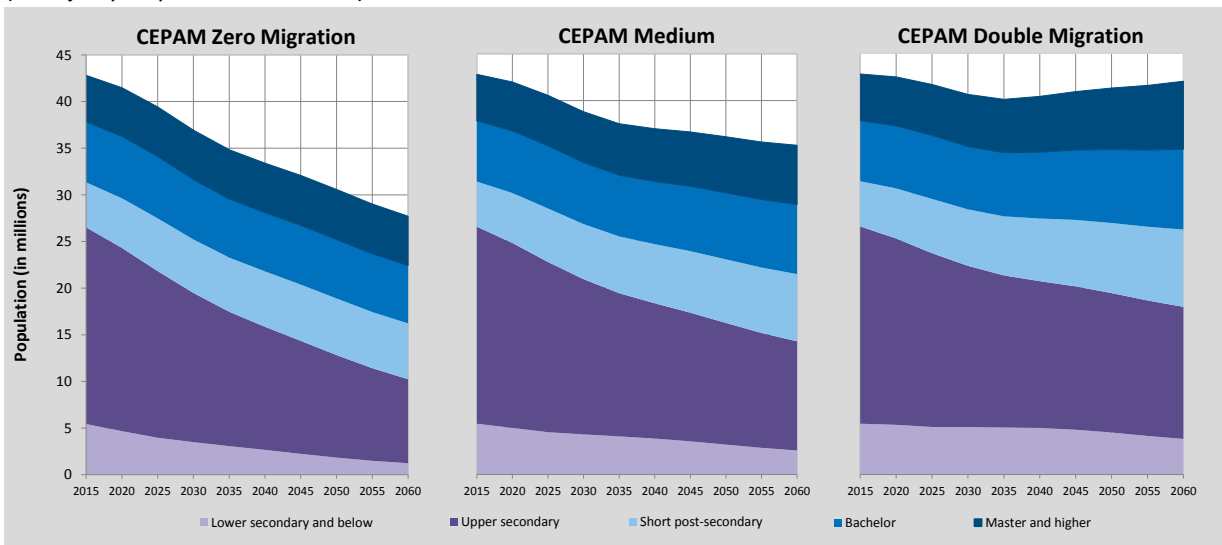
TOTAL (Constant)	60.3%	59.3%	55.2%	52.6%	51.6%	51.0%
TOTAL (Swedish)	60.3%	59.9%	57.1%	55.3%	55.4%	55.7%
TOTAL (Equalization)	60.3%	59.7%	56.3%	54.2%	53.8%	53.7%
MALE (Constant)	66.2%	65.0%	60.4%	57.3%	56.3%	55.5%
MALE (Swedish)	66.2%	65.5%	62.0%	59.7%	59.5%	59.4%
MALE (Equalization)	66.2%	65.0%	60.4%	57.3%	56.3%	55.5%
FEMALE (Constant)	54.6%	53.8%	50.2%	48.0%	47.1%	46.7%
FEMALE (Swedish)	54.6%	54.5%	52.3%	51.1%	51.4%	52.1%
FEMALE (Equalization)	54.6%	54.6%	52.4%	51.1%	51.3%	52.0%

Labour force (15+) by highest level of educational attainment. Columns sum to 100%. (CEPAM Medium; Constant participation)

TOTAL E1-E4 - lower secondary and below	12.7%	11.9%	11.1%	10.4%	8.9%	7.3%
TOTAL E5 - upper secondary	49.3%	47.1%	42.8%	39.1%	36.0%	33.2%
TOTAL E6 - short post-secondary	11.3%	12.7%	15.2%	17.1%	18.8%	20.4%
TOTAL E7 - bachelor	15.1%	15.8%	16.9%	18.1%	19.7%	21.2%
TOTAL E8 - master and higher	11.7%	12.4%	14.0%	15.3%	16.6%	18.0%
MALE E1-E4 - lower secondary and below	12.4%	11.9%	11.7%	11.4%	10.0%	8.3%
MALE E5 - upper secondary	49.7%	48.0%	44.5%	41.8%	39.3%	37.0%
MALE E6 - short post-secondary	9.5%	11.3%	14.7%	17.6%	19.8%	21.5%
MALE E7 - bachelor	16.5%	16.3%	15.4%	14.5%	14.9%	15.9%
MALE E8 - master and higher	11.9%	12.5%	13.7%	14.7%	15.9%	17.2%
FEMALE E1-E4 - lower secondary and below	13.1%	11.8%	10.4%	9.3%	7.6%	6.1%
FEMALE E5 - upper secondary	48.7%	46.1%	40.8%	36.0%	32.2%	28.7%
FEMALE E6 - short post-secondary	13.3%	14.3%	15.7%	16.5%	17.7%	19.1%
FEMALE E7 - bachelor	13.6%	15.3%	18.8%	22.3%	25.2%	27.3%
FEMALE E8 - master and higher	11.4%	12.4%	14.4%	15.9%	17.4%	18.9%



Labour force size by educational attainment according to three migration scenarios, 2015-2060 (Labour force participation = Constant scenario)



Greece

Detailed Human Capital projections to 2060

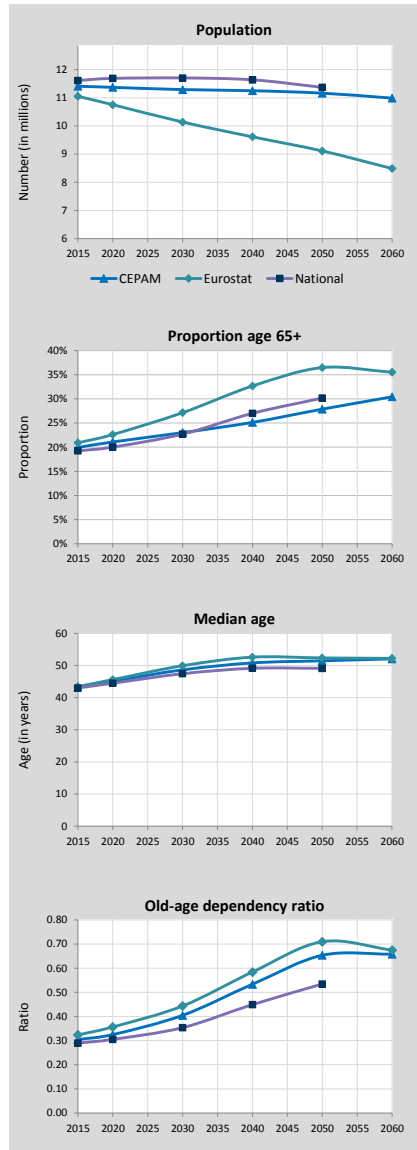
Comparison of CEPAM projections with other sources

Demographic indicators - CEPAM Medium Scenario (SSP2), Eurostat and national projections		2015	2020	2030	2040	2050	2060
Population (in millions)	CEPAM	11.22	11.18	11.10	11.06	10.97	10.79
	Eurostat	10.86	10.56	9.94	9.42	8.92	8.29
	National	11.42	11.50	11.51	11.44	11.18	-
Proportion age 65+	CEPAM	19.9%	21.1%	23.0%	25.1%	27.9%	30.4%
	Eurostat	20.9%	22.6%	27.1%	32.7%	36.5%	35.5%
	National	19.2%	20.0%	22.7%	27.0%	30.2%	-
Proportion below age 20	CEPAM	19.5%	19.0%	17.5%	16.9%	16.9%	16.7%
	Eurostat	19.5%	19.0%	16.7%	15.5%	16.2%	16.5%
	National	19.3%	19.2%	18.2%	17.4%	17.9%	-
Median age	CEPAM	43.3	45.1	48.6	50.8	51.5	52.1
	Eurostat	43.4	45.6	49.9	52.6	52.4	52.2
	National	43.0	44.5	47.5	49.1	49.1	-
Old-age dependency ratio (65+/15-64)	CEPAM	0.30	0.33	0.40	0.53	0.65	0.66
	Eurostat	0.32	0.36	0.44	0.58	0.71	0.68
	National	0.29	0.31	0.35	0.45	0.53	-
Young-age dependency ratio (0-14/15-64)	CEPAM	0.22	0.22	0.21	0.22	0.24	0.23
	Eurostat	0.23	0.22	0.19	0.20	0.24	0.23
	National	0.22	0.22	0.20	0.21	0.24	-
Parent support ratio (85+/50-64)	CEPAM	0.13	0.16	0.16	0.25	0.44	0.58
	Eurostat	0.15	0.17	0.19	0.29	0.49	0.59
	National	0.08	0.10	0.08	0.12	0.18	-

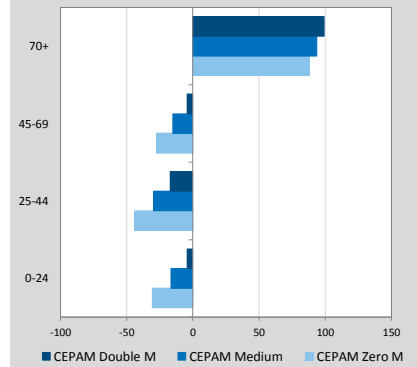
Demographic assumptions underlying projections		2010-2015	2015-2020	2025-2030	2035-2040	2045-2050	2055-2060	
Total fertility rate	CEPAM	1.42	1.49	1.52	1.58	1.61	1.62	
	Eurostat	1.34	1.35	1.38	1.44	1.51	1.57	
	National	1.50	1.54	1.57	1.62	1.65	-	
Life expectancy at birth (in years)								
	Male	CEPAM	79.0	80.1	81.2	83.5	85.7	87.9
		Eurostat	79.1	80.0	80.8	82.3	83.7	85.0
National		78.9	79.7	80.4	81.8	83.0	-	
Female	CEPAM	84.0	85.1	86.2	88.3	90.5	92.7	
	Eurostat	84.1	84.8	85.5	86.7	87.9	89.0	
	National	83.4	84.0	84.6	85.7	86.7	-	
Five-year net migration flow (in thousands)	CEPAM	79.0	90.3	100.7	119.2	134.8	147.5	
	Eurostat	-134.5	-74.4	-42.0	49.4	65.4	55.1	
	National	219.9	213.6	204.3	168.9	157.1	-	

Changes in population size and structure according to CEPAM scenarios (impact of migration)

Population size according to CEPAM projections to 2060		2015	2020	2030	2040	2050	2060
Population (in millions)	Zero M	11.22	11.09	10.78	10.45	10.01	9.42
	Medium	11.22	11.18	11.10	11.06	10.97	10.79
	Double M	11.22	11.26	11.40	11.63	11.85	12.02
Population 0-24 (in millions)	Zero M	2.76	2.66	2.43	2.19	2.05	1.91
	Medium	2.76	2.69	2.53	2.38	2.34	2.30
	Double M	2.76	2.72	2.63	2.56	2.60	2.64
Population 25-44 (in millions)	Zero M	3.14	2.83	2.28	2.17	2.00	1.77
	Medium	3.14	2.88	2.44	2.43	2.34	2.21
	Double M	3.14	2.93	2.59	2.66	2.64	2.60
Population 45-69 (in millions)	Zero M	3.69	3.86	4.02	3.54	2.96	2.68
	Medium	3.69	3.87	4.07	3.70	3.26	3.13
	Double M	3.69	3.88	4.12	3.85	3.55	3.53
Population 70+ (in millions)	Zero M	1.63	1.74	2.05	2.54	3.00	3.06
	Medium	1.63	1.74	2.06	2.55	3.03	3.15
	Double M	1.63	1.74	2.06	2.57	3.06	3.24

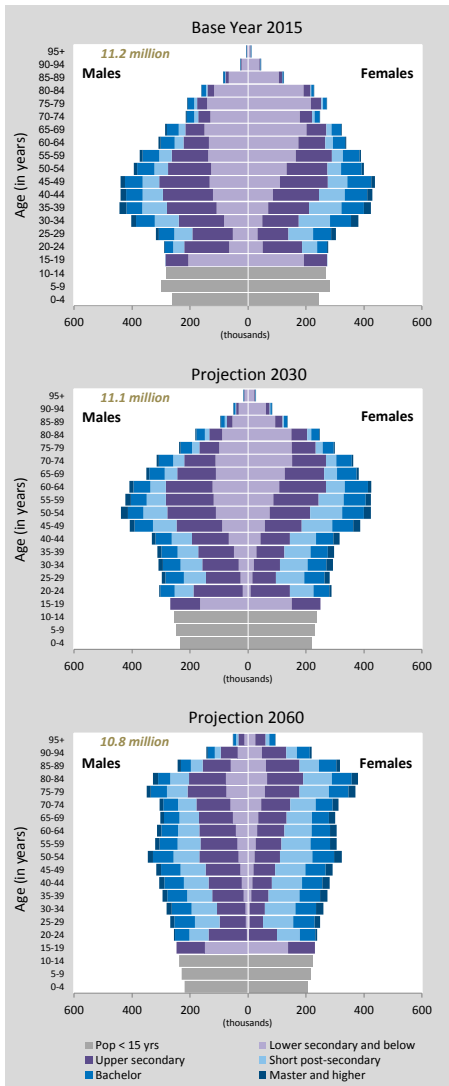


Change in population size between 2015 and 2060 (in % of 2015)



Greece (Continued)

Pyramids by education, CEPAM Medium

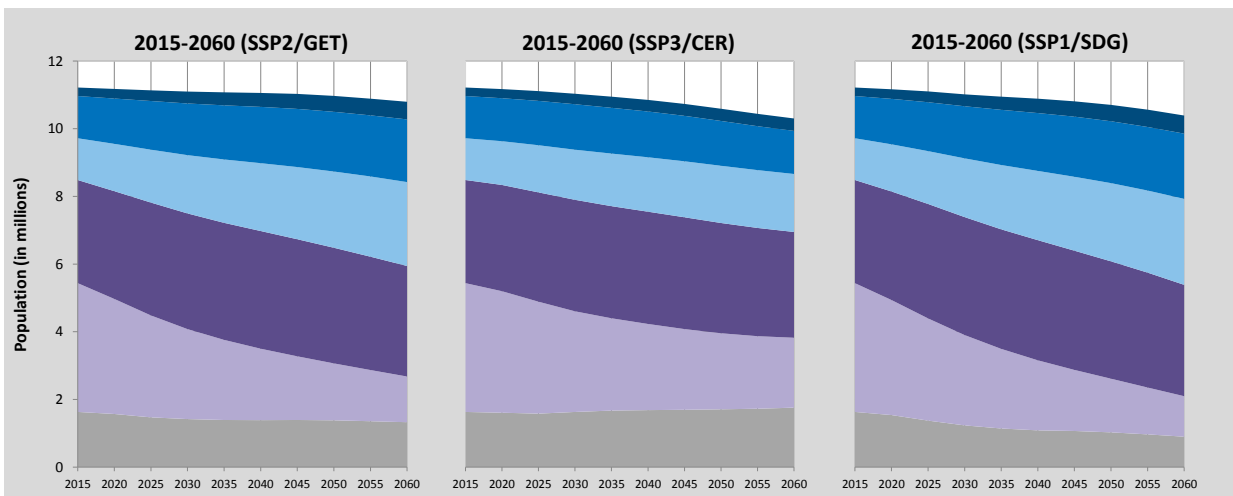


Detailed Human Capital projections to 2060

Human Capital indicators, CEPAM Medium (SSP2)

	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1-E4 - lower secondary and below	38.9%	34.8%	27.0%	20.8%	16.1%	12.4%
E5 - upper secondary	30.7%	31.9%	34.0%	34.9%	34.7%	33.5%
E6 - short post-secondary	13.5%	15.1%	18.4%	21.6%	24.6%	27.5%
E7 - bachelor	14.0%	14.9%	16.6%	18.1%	19.3%	20.6%
E8 - master and higher	2.9%	3.2%	4.0%	4.7%	5.3%	6.0%
Mean years of schooling (in years)	10.73	11.08	11.73	12.21	12.58	12.88
Age gap: highest educational attainment (ratio 35-44/50-64)						
E1-E4 - lower secondary and below	0.56	0.59	0.61	0.50	0.47	0.52
E5 - upper secondary	1.13	0.99	0.96	0.99	0.92	0.89
E6 - short post-secondary	1.93	1.88	1.40	1.22	1.21	1.16
E7 - bachelor	1.01	1.01	1.18	1.25	1.21	1.16
E8 - master and higher	2.47	2.13	1.29	1.17	1.21	1.16
Mean years of schooling (35-44 minus 50-64)	1.42	1.11	0.86	0.90	0.79	0.59
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1-E4 - lower secondary and below	0.92	0.93	0.99	1.06	1.15	1.21
E5 - upper secondary	1.15	1.15	1.16	1.19	1.24	1.30
E6 - short post-secondary	0.93	0.90	0.86	0.83	0.80	0.79
E7 - bachelor	0.97	0.95	0.91	0.88	0.87	0.88
E8 - master and higher	1.12	1.04	0.91	0.82	0.76	0.71
Mean years of schooling (male minus female)	0.38	0.24	-0.03	-0.22	-0.34	-0.40
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1-E4 - lower secondary and below	15%	12%	6%	4%	3%	2%
E5 - upper secondary	37%	36%	35%	31%	28%	25%
E6 - short post-secondary	26%	28%	31%	35%	37%	39%
E7 - bachelor	18%	19%	22%	24%	25%	26%
E8 - master and higher	5%	5%	6%	7%	7%	7%
Mean years of schooling (in years)	12.67	12.85	13.29	13.55	13.72	13.84
Age gap among women: highest educational attainment (ratio 35-44/50-64)						
E1-E4 - lower secondary and below	0.44	0.47	0.55	0.50	0.46	0.52
E5 - upper secondary	1.10	0.93	0.91	0.91	0.82	0.80
E6 - short post-secondary	2.38	2.19	1.43	1.21	1.22	1.16
E7 - bachelor	1.21	1.08	1.08	1.20	1.22	1.16
E8 - master and higher	3.26	2.92	1.66	1.25	1.22	1.16
Mean years of schooling (35-44 minus 50-64)	2.46	1.93	1.22	1.03	0.99	0.79

Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG



Colour legend as in pyramids above

Education scenarios

SSP2/GET : Global Education Trend Scenario (Medium assumption)

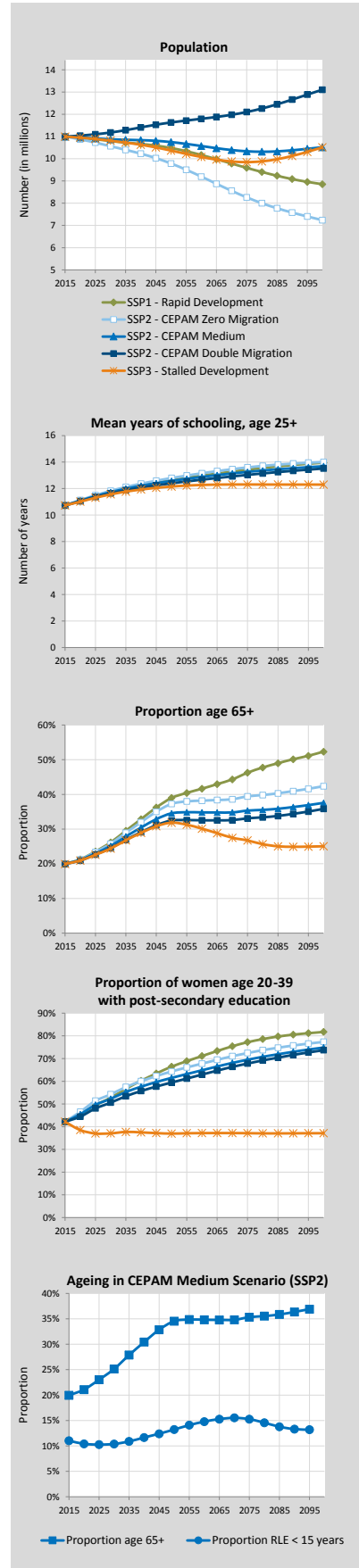
SSP3/CER : Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG : Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

Greece (Continued)

Alternative scenarios to 2100

Projection results by scenario (SSP1-SSP3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	11.22	11.17	11.02	10.70	10.39	9.81	9.08
SSP2 - CEPAM Zero Migration	11.22	11.09	10.79	10.01	9.42	8.48	7.46
SSP2 - CEPAM Medium	11.22	11.18	11.10	10.97	10.79	10.56	10.74
SSP2 - CEPAM Double Migration	11.22	11.26	11.40	11.85	12.02	12.32	13.33
SSP3 - Stalled Development	11.22	11.17	11.03	10.59	10.30	10.07	10.74
Proportion age 65+							
SSP1 - Rapid Development	19.9%	21.3%	26.2%	39.0%	41.6%	46.3%	52.3%
SSP2 - CEPAM Zero Migration	19.9%	21.2%	25.8%	37.3%	38.2%	39.4%	42.4%
SSP2 - CEPAM Medium	19.9%	21.1%	25.1%	34.5%	34.8%	35.3%	37.6%
SSP2 - CEPAM Double Migration	19.9%	20.9%	24.5%	32.5%	32.5%	33.1%	35.8%
SSP3 - Stalled Development	19.9%	20.9%	24.4%	31.8%	30.1%	26.7%	25.0%
Proportion below age 20							
SSP1 - Rapid Development	19.5%	18.7%	15.9%	13.1%	12.1%	10.9%	9.8%
SSP2 - CEPAM Zero Migration	19.5%	19.0%	17.2%	16.2%	15.9%	15.6%	14.9%
SSP2 - CEPAM Medium	19.5%	19.0%	17.5%	16.9%	16.7%	16.7%	16.1%
SSP2 - CEPAM Double Migration	19.5%	19.0%	17.7%	17.4%	17.3%	17.2%	16.6%
SSP3 - Stalled Development	19.5%	19.3%	19.4%	21.4%	22.6%	24.5%	25.2%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	42.2%	45.4%	52.7%	66.4%	71.1%	77.2%	81.7%
SSP2 - CEPAM Zero Migration	42.2%	46.6%	54.2%	64.3%	67.8%	72.4%	77.4%
SSP2 - CEPAM Medium	42.2%	45.5%	52.3%	61.5%	64.8%	69.5%	74.9%
SSP2 - CEPAM Double Migration	42.2%	44.4%	50.6%	59.4%	62.9%	67.8%	73.7%
SSP3 - Stalled Development	42.2%	38.5%	37.1%	37.0%	37.2%	37.1%	37.1%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	10.7	11.1	11.7	12.6	13.0	13.4	14.0
SSP2 - CEPAM Zero Migration	10.7	11.1	11.8	12.8	13.2	13.6	14.0
SSP2 - CEPAM Medium	10.7	11.1	11.7	12.6	12.9	13.3	13.7
SSP2 - CEPAM Double Migration	10.7	11.0	11.6	12.4	12.7	13.0	13.5
SSP3 - Stalled Development	10.7	11.0	11.6	12.2	12.3	12.3	12.3
Demographic assumptions underlying SSPs							
	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.33	1.29	1.21	1.20	1.20	1.21	1.23
SSP2 - CEPAM Zero Migration	1.42	1.48	1.54	1.60	1.61	1.62	1.64
SSP2 - CEPAM Medium	1.42	1.49	1.55	1.61	1.62	1.63	1.65
SSP2 - CEPAM Double Migration	1.42	1.50	1.56	1.62	1.63	1.64	1.65
SSP3 - Stalled Development	1.55	1.79	2.04	2.24	2.27	2.30	2.34
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	84.5	86.1	89.2	95.6	98.7	103.5	109.8
SSP2 - CEPAM Zero Migration	84.0	85.1	87.3	91.6	93.8	97.1	101.5
SSP2 - CEPAM Medium	84.0	85.1	87.2	91.6	93.7	97.0	101.3
SSP2 - CEPAM Double Migration	84.0	85.1	87.2	91.5	93.7	96.9	101.2
SSP3 - Stalled Development	83.5	84.1	85.2	87.5	88.7	90.3	92.5
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	79.0	89.3	104.9	126.0	131.1	132.1	119.8
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	79.0	90.3	110.4	141.6	152.4	160.1	155.1
SSP2 - CEPAM Double Migration	158.1	177.9	211.4	258.3	271.4	274.6	250.8
SSP3 - Stalled Development	52.7	30.7	0.1	0.2	0.2	0.2	0.3
Ageing indicators by scenario							
	2015	2020	2030	2050	2060	2075	2095
Median age							
SSP1 - Rapid Development	43.3	45.3	49.6	55.7	58.1	62.0	66.1
SSP2 - CEPAM Zero Migration	43.3	45.3	49.4	53.8	54.7	55.7	57.3
SSP2 - CEPAM Medium	43.3	45.1	48.6	51.5	52.1	52.1	53.3
SSP2 - CEPAM Double Migration	43.3	44.9	47.9	49.8	50.4	50.4	51.9
SSP3 - Stalled Development	43.3	45.0	48.0	48.0	45.8	42.6	41.4
Proportion with less than 15 years of remaining life expectancy (RLE)							
SSP1 - Rapid Development	11.0%	10.4%	10.4%	13.2%	14.8%	15.3%	13.2%
SSP2 - CEPAM Zero Migration	11.3%	11.0%	11.5%	15.7%	17.6%	16.2%	14.6%
SSP2 - CEPAM Medium	11.3%	10.9%	11.2%	14.4%	15.6%	13.8%	12.1%
SSP2 - CEPAM Double Migration	11.3%	10.8%	10.9%	13.4%	14.2%	12.4%	11.1%
SSP3 - Stalled Development	11.6%	11.5%	12.1%	16.0%	16.8%	13.2%	10.7%



Greece (Continued)

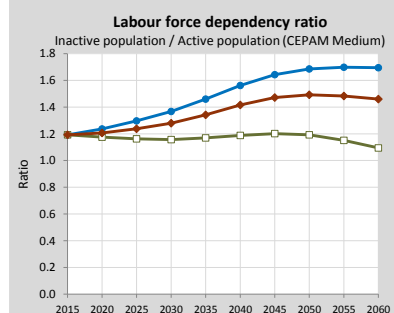
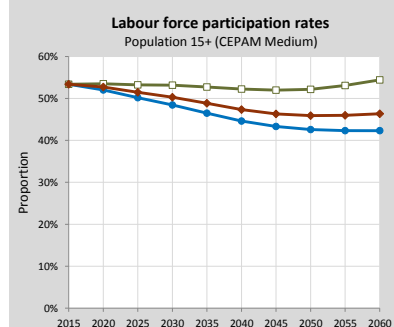
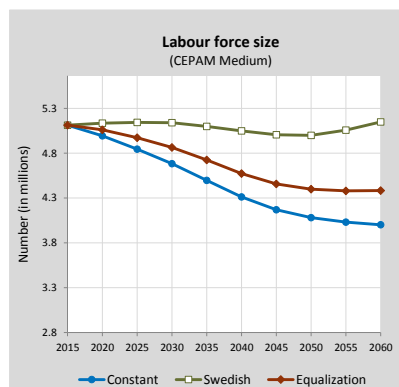
Labour force projections to 2060

Labour force indicators	2015	2020	2030	2040	2050	2060
Labour force size, by participation and migration scenario (in millions)						
Constant (CEPAM Zero Migration)	5.12	4.95	4.51	3.98	3.57	3.31
Constant (CEPAM Medium)	5.12	5.00	4.69	4.32	4.09	4.01
Constant (CEPAM Double Migration)	5.12	5.05	4.86	4.63	4.56	4.62
Swedish (CEPAM Zero Migration)	5.12	5.09	4.96	4.69	4.41	4.31
Swedish (CEPAM Medium)	5.12	5.14	5.14	5.05	5.00	5.15
Swedish (CEPAM Double Migration)	5.12	5.19	5.32	5.39	5.54	5.90
Equalization (CEPAM Zero Migration)	5.12	5.02	4.68	4.22	3.84	3.62
Equalization (CEPAM Medium)	5.12	5.07	4.87	4.58	4.40	4.39
Equalization (CEPAM Double Migration)	5.12	5.11	5.05	4.92	4.92	5.07
Constant (CEPAM Medium-low fertility)	5.12	5.00	4.68	4.28	3.91	3.62
Swedish (CEPAM Medium-low fertility)	5.12	5.14	5.14	5.00	4.78	4.68
Equalization (CEPAM Medium-low fertility)	5.12	5.07	4.87	4.54	4.22	3.98

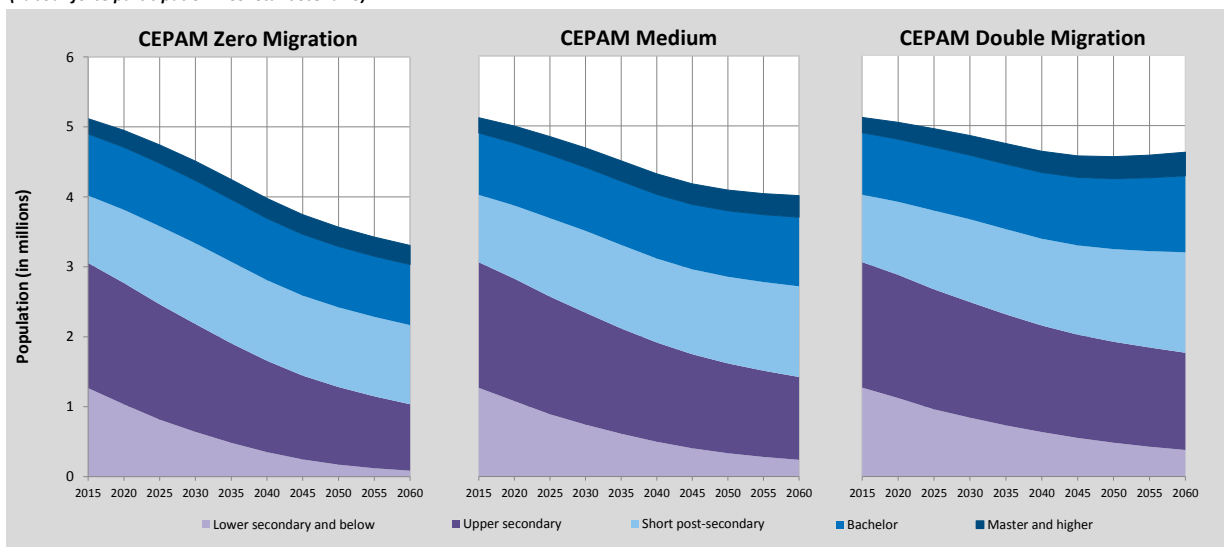
Labour force participation rates, age 15+, by participation scenario (CEPAM Medium)						
TOTAL (Constant)	53.4%	52.0%	48.4%	44.6%	42.6%	42.3%
TOTAL (Swedish)	53.4%	53.5%	53.2%	52.2%	52.2%	54.4%
TOTAL (Equalization)	53.4%	52.7%	50.3%	47.3%	45.9%	46.3%
MALE (Constant)	61.6%	60.0%	55.8%	51.3%	48.6%	48.1%
MALE (Swedish)	61.6%	61.2%	59.5%	57.6%	56.7%	58.3%
MALE (Equalization)	61.6%	60.0%	55.8%	51.3%	48.6%	48.1%
FEMALE (Constant)	45.5%	44.4%	41.3%	38.2%	36.7%	36.6%
FEMALE (Swedish)	45.5%	46.2%	47.0%	47.1%	47.8%	50.7%
FEMALE (Equalization)	45.5%	45.8%	45.0%	43.5%	43.3%	44.6%

Labour force (15+) by highest level of educational attainment. Columns sum to 100%. (CEPAM Medium; Constant participation)

TOTAL E1-E4 - lower secondary and below	24.7%	21.5%	15.8%	11.5%	8.1%	6.0%
TOTAL E5 - upper secondary	35.0%	34.9%	34.0%	32.8%	31.4%	29.5%
TOTAL E6 - short post-secondary	18.8%	20.9%	24.9%	27.7%	30.2%	32.3%
TOTAL E7 - bachelor	17.2%	17.9%	19.3%	21.2%	23.0%	24.6%
TOTAL E8 - master and higher	4.3%	4.8%	5.9%	6.8%	7.2%	7.7%
MALE E1-E4 - lower secondary and below	28.0%	25.1%	19.3%	14.2%	10.1%	7.3%
MALE E5 - upper secondary	37.5%	38.0%	38.1%	37.9%	37.4%	36.2%
MALE E6 - short post-secondary	16.1%	17.7%	21.1%	23.7%	26.2%	28.2%
MALE E7 - bachelor	14.6%	15.2%	16.7%	18.9%	20.9%	22.5%
MALE E8 - master and higher	3.8%	4.2%	4.8%	5.2%	5.4%	5.8%
FEMALE E1-E4 - lower secondary and below	20.5%	17.0%	11.3%	7.9%	5.6%	4.2%
FEMALE E5 - upper secondary	31.7%	31.0%	28.7%	26.2%	23.6%	20.9%
FEMALE E6 - short post-secondary	22.3%	25.0%	29.9%	32.9%	35.4%	37.5%
FEMALE E7 - bachelor	20.6%	21.4%	22.7%	24.2%	25.8%	27.3%
FEMALE E8 - master and higher	4.8%	5.7%	7.4%	8.9%	9.6%	10.1%



Labour force size by educational attainment according to three migration scenarios, 2015-2060 (Labour force participation = Constant scenario)



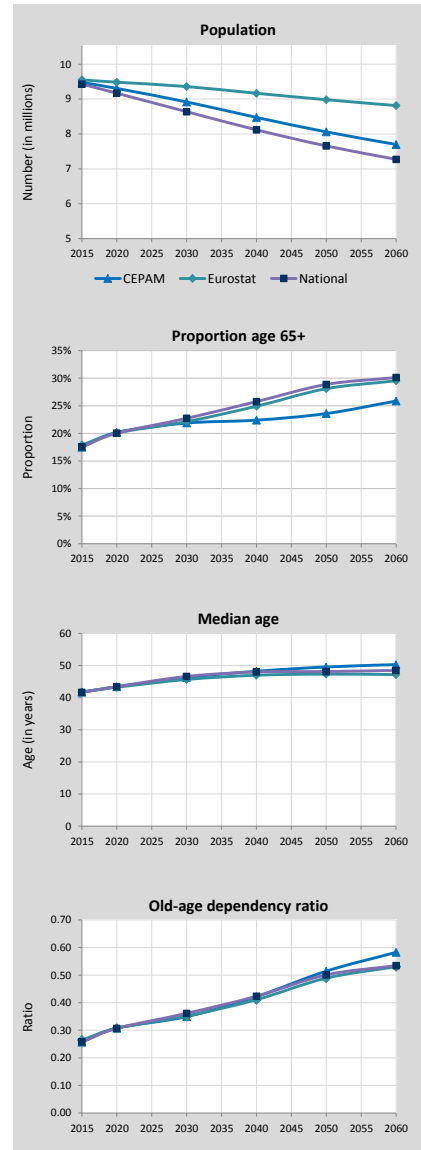
Hungary

Detailed Human Capital projections to 2060

Comparison of CEPAM projections with other sources

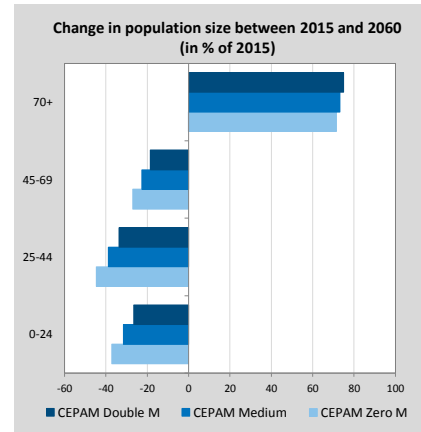
Demographic indicators - CEPAM Medium Scenario (SSP2), Eurostat and national projections		2015	2020	2030	2040	2050	2060
Population (in millions)	CEPAM	9.78	9.61	9.22	8.78	8.37	8.00
	Eurostat	9.86	9.79	9.67	9.47	9.29	9.12
	National	9.74	9.47	8.94	8.42	7.96	7.58
Proportion age 65+	CEPAM	17.5%	20.2%	21.9%	22.4%	23.6%	25.9%
	Eurostat	17.9%	20.1%	22.1%	24.9%	28.1%	29.5%
	National	17.5%	20.0%	22.7%	25.8%	28.9%	30.1%
Proportion below age 20	CEPAM	19.7%	19.3%	18.4%	17.6%	17.2%	17.2%
	Eurostat	19.8%	19.6%	19.7%	19.7%	19.4%	19.8%
	National	19.9%	19.7%	19.4%	18.6%	18.1%	18.3%
Median age	CEPAM	41.7	43.4	46.3	48.2	49.5	50.3
	Eurostat	41.7	43.2	45.6	47.0	47.3	47.2
	National	41.6	43.4	46.6	48.0	48.1	48.5
Old-age dependency ratio (65+/15-64)	CEPAM	0.26	0.31	0.35	0.42	0.51	0.58
	Eurostat	0.26	0.31	0.35	0.41	0.49	0.53
	National	0.26	0.31	0.36	0.42	0.50	0.53
Young-age dependency ratio (0-14/15-64)	CEPAM	0.21	0.22	0.21	0.21	0.22	0.23
	Eurostat	0.21	0.22	0.24	0.24	0.25	0.27
	National	0.21	0.22	0.23	0.22	0.23	0.24
Parent support ratio (85+/50-64)	CEPAM	0.08	0.10	0.13	0.22	0.27	0.42
	Eurostat	0.09	0.11	0.13	0.20	0.24	0.36
	National	0.06	0.08	0.09	0.15	0.16	0.26

Demographic assumptions underlying projections		2010-2015	2015-2020	2025-2030	2035-2040	2045-2050	2055-2060	
Total fertility rate	CEPAM	1.37	1.42	1.44	1.49	1.53	1.56	
	Eurostat	1.55	1.63	1.67	1.71	1.74	1.77	
	National	1.41	1.49	1.56	1.60	1.60	1.60	
Life expectancy at birth (in years)	Male	CEPAM	72.5	73.5	74.5	76.6	78.6	80.6
		Eurostat	73.1	74.3	75.5	77.7	79.8	81.7
		National	73.2	74.6	76.0	78.7	81.4	84.1
Female	CEPAM	79.5	80.5	81.5	83.6	85.6	87.6	
	Eurostat	79.9	80.9	81.8	83.6	85.3	86.8	
	National	79.7	80.8	81.9	84.0	86.1	88.2	
Five-year net migration flow (in thousands)	CEPAM	19.0	25.2	31.1	42.3	52.0	59.5	
	Eurostat	91.8	88.6	81.7	97.4	80.0	73.6	
	National	-35.1	-33.0	-31.0	-2.9	8.3	30.8	



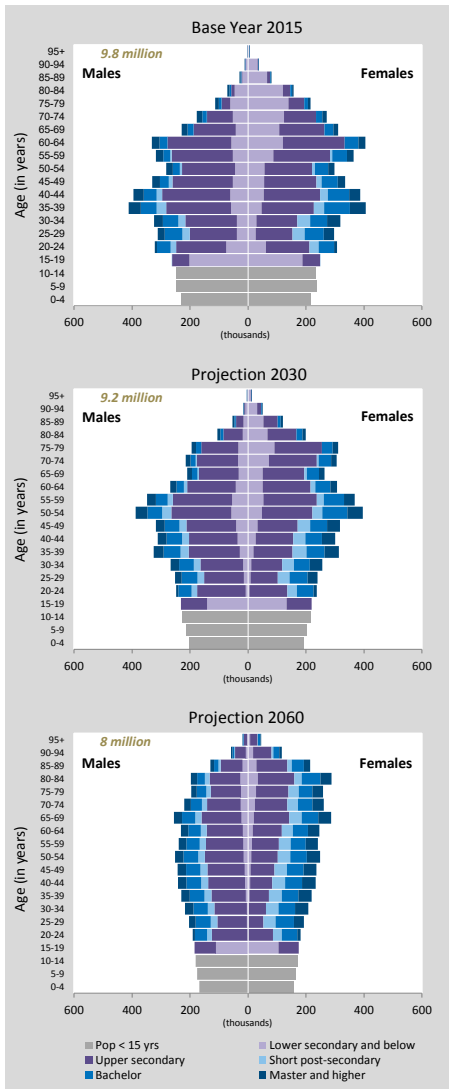
Changes in population size and structure according to CEPAM scenarios (impact of migration)

Population size according to CEPAM projections to 2060		2015	2020	2030	2040	2050	2060
Population (in millions)	Zero M	9.78	9.59	9.14	8.59	8.05	7.53
	Medium	9.78	9.61	9.22	8.78	8.37	8.00
	Double M	9.78	9.63	9.31	8.96	8.66	8.43
Population 0-24 (in millions)	Zero M	2.56	2.36	2.16	1.93	1.75	1.61
	Medium	2.56	2.37	2.18	1.99	1.84	1.75
	Double M	2.56	2.37	2.21	2.05	1.94	1.88
Population 25-44 (in millions)	Zero M	2.85	2.69	2.22	1.91	1.76	1.58
	Medium	2.85	2.70	2.26	1.99	1.88	1.75
	Double M	2.85	2.71	2.31	2.07	1.99	1.89
Population 45-69 (in millions)	Zero M	3.20	3.27	3.17	3.11	2.60	2.34
	Medium	3.20	3.27	3.18	3.15	2.69	2.48
	Double M	3.20	3.28	3.20	3.19	2.77	2.61
Population 70+ (in millions)	Zero M	1.17	1.27	1.59	1.64	1.94	2.01
	Medium	1.17	1.27	1.59	1.65	1.95	2.03
	Double M	1.17	1.27	1.59	1.65	1.96	2.05



Hungary (Continued)

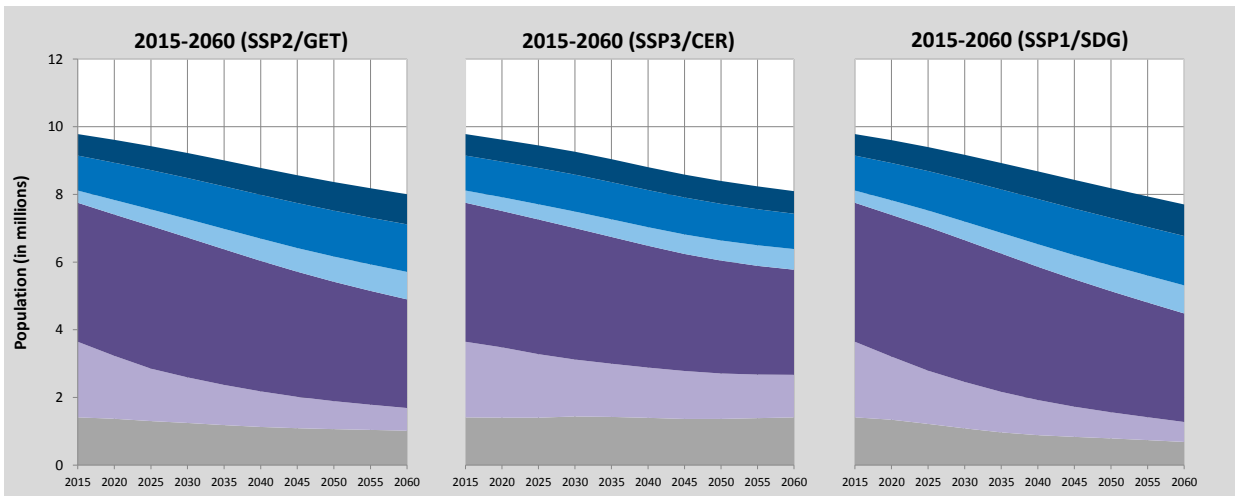
Pyramids by education, CEPAM Medium



Detailed Human Capital projections to 2060

Human Capital indicators, CEPAM Medium (SSP2)		2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)							
E1-E4 - lower secondary and below		23.6%	20.2%	15.1%	11.7%	9.1%	7.2%
E5 - upper secondary		50.7%	51.6%	51.9%	50.5%	48.2%	45.7%
E6 - short post-secondary		4.3%	5.3%	7.0%	8.9%	10.7%	12.2%
E7 - bachelor		12.9%	13.9%	15.8%	17.6%	19.3%	20.9%
E8 - master and higher		8.5%	9.1%	10.2%	11.4%	12.7%	13.9%
Mean years of schooling (in years)		11.85	12.09	12.46	12.75	13.01	13.24
Age gap: highest educational attainment (ratio 35-44/50-64)							
E1-E4 - lower secondary and below		0.66	0.68	0.59	0.50	0.48	0.51
E5 - upper secondary		0.88	0.83	0.91	0.98	0.94	0.92
E6 - short post-secondary		5.04	3.02	1.75	1.25	1.17	1.14
E7 - bachelor		1.47	1.42	1.18	1.14	1.17	1.14
E8 - master and higher		1.50	1.59	1.29	1.16	1.17	1.14
Mean years of schooling (35-44 minus 50-64)		0.87	0.82	0.65	0.59	0.57	0.49
Gender gap (population age 25+): highest educational attainment (ratio male/female)							
E1-E4 - lower secondary and below		0.69	0.72	0.80	0.90	1.00	1.07
E5 - upper secondary		1.26	1.25	1.23	1.24	1.29	1.36
E6 - short post-secondary		0.80	0.76	0.71	0.66	0.62	0.59
E7 - bachelor		0.77	0.78	0.79	0.81	0.83	0.85
E8 - master and higher		1.10	1.00	0.87	0.79	0.73	0.69
Mean years of schooling (male minus female)		0.34	0.17	-0.09	-0.28	-0.42	-0.52
Women age 20-39: highest educational attainment (columns sum to 100%)							
E1-E4 - lower secondary and below		12%	9%	4%	3%	2%	1%
E5 - upper secondary		45%	45%	45%	41%	37%	33%
E6 - short post-secondary		12%	14%	15%	17%	19%	20%
E7 - bachelor		20%	20%	23%	25%	27%	29%
E8 - master and higher		11%	12%	13%	15%	16%	17%
Mean years of schooling (in years)		12.88	13.10	13.47	13.72	13.93	14.10
Age gap among women: highest educational attainment (ratio 35-44/50-64)							
E1-E4 - lower secondary and below		0.52	0.55	0.52	0.47	0.45	0.49
E5 - upper secondary		0.88	0.81	0.88	0.92	0.85	0.82
E6 - short post-secondary		4.72	3.06	2.07	1.36	1.21	1.18
E7 - bachelor		1.51	1.32	1.01	1.09	1.21	1.18
E8 - master and higher		1.83	1.97	1.46	1.21	1.21	1.18
Mean years of schooling (35-44 minus 50-64)		1.55	1.33	1.08	0.83	0.83	0.76

Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG



Colour legend as in pyramids above

Education scenarios

SSP2/GET : Global Education Trend Scenario (Medium assumption)

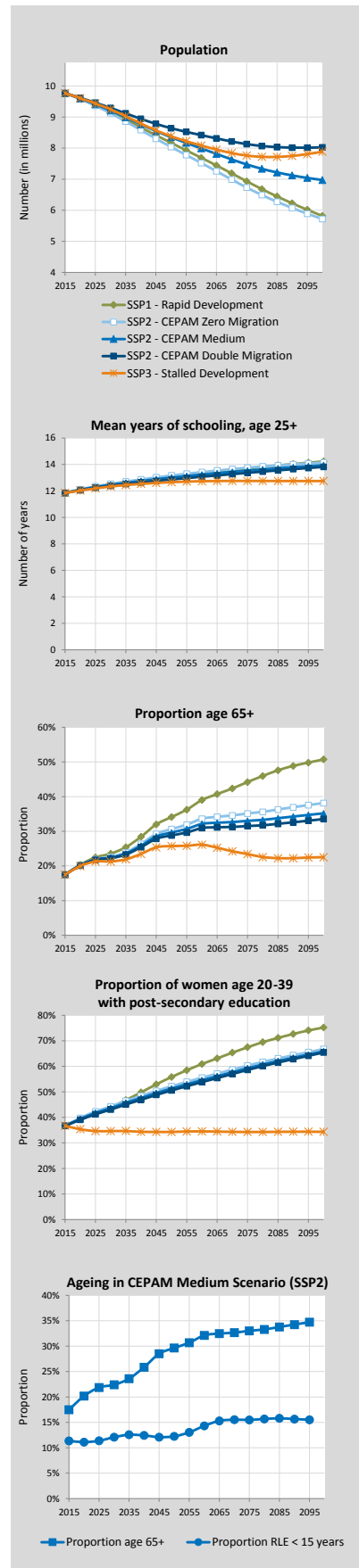
SSP3/CER : Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG : Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

Hungary (Continued)

Alternative scenarios to 2100

Projection results by scenario (SSP1-SSP3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	9.78	9.60	9.17	8.18	7.70	6.95	5.83
SSP2 - CEPAM Zero Migration	9.78	9.59	9.14	8.05	7.53	6.74	5.73
SSP2 - CEPAM Medium	9.78	9.61	9.22	8.37	8.00	7.49	6.99
SSP2 - CEPAM Double Migration	9.78	9.63	9.31	8.66	8.43	8.14	8.04
SSP3 - Stalled Development	9.78	9.62	9.26	8.40	8.10	7.77	7.90
Proportion age 65+							
SSP1 - Rapid Development	17.5%	20.4%	23.5%	34.1%	39.0%	44.2%	50.7%
SSP2 - CEPAM Zero Migration	17.5%	20.2%	22.6%	30.6%	33.6%	35.1%	38.1%
SSP2 - CEPAM Medium	17.5%	20.2%	22.4%	29.6%	32.1%	33.0%	35.2%
SSP2 - CEPAM Double Migration	17.5%	20.1%	22.2%	28.8%	30.9%	31.5%	33.5%
SSP3 - Stalled Development	17.5%	20.0%	21.3%	25.7%	26.1%	23.4%	22.5%
Proportion below age 20							
SSP1 - Rapid Development	19.7%	19.0%	16.8%	13.3%	12.4%	11.1%	10.1%
SSP2 - CEPAM Zero Migration	19.7%	19.3%	18.3%	16.9%	16.8%	16.4%	15.9%
SSP2 - CEPAM Medium	19.7%	19.3%	18.4%	17.2%	17.2%	17.0%	16.8%
SSP2 - CEPAM Double Migration	19.7%	19.3%	18.5%	17.5%	17.6%	17.5%	17.3%
SSP3 - Stalled Development	19.7%	19.6%	20.4%	21.8%	23.0%	24.5%	25.4%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	36.7%	39.2%	43.9%	55.8%	60.9%	67.4%	75.2%
SSP2 - CEPAM Zero Migration	36.7%	39.8%	44.2%	52.2%	55.5%	60.3%	66.8%
SSP2 - CEPAM Medium	36.7%	39.4%	43.6%	51.3%	54.6%	59.2%	65.9%
SSP2 - CEPAM Double Migration	36.7%	39.0%	43.0%	50.5%	53.8%	58.6%	65.4%
SSP3 - Stalled Development	36.7%	35.4%	34.6%	34.3%	34.5%	34.3%	34.3%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	11.9	12.1	12.5	13.1	13.3	13.7	14.2
SSP2 - CEPAM Zero Migration	11.9	12.1	12.5	13.2	13.4	13.8	14.1
SSP2 - CEPAM Medium	11.9	12.1	12.5	13.0	13.2	13.5	13.9
SSP2 - CEPAM Double Migration	11.9	12.1	12.4	12.9	13.1	13.4	13.8
SSP3 - Stalled Development	11.9	12.0	12.3	12.7	12.7	12.8	12.8
Demographic assumptions underlying SSPs							
	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.28	1.24	1.15	1.15	1.17	1.19	1.21
SSP2 - CEPAM Zero Migration	1.37	1.42	1.46	1.54	1.56	1.59	1.61
SSP2 - CEPAM Medium	1.37	1.42	1.46	1.54	1.57	1.59	1.61
SSP2 - CEPAM Double Migration	1.37	1.43	1.47	1.54	1.57	1.59	1.61
SSP3 - Stalled Development	1.49	1.69	1.87	2.06	2.11	2.15	2.20
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	80.0	81.5	84.5	90.6	93.7	98.2	104.4
SSP2 - CEPAM Zero Migration	79.5	80.5	82.6	86.7	88.7	91.8	95.9
SSP2 - CEPAM Medium	79.5	80.5	82.5	86.6	88.7	91.7	95.8
SSP2 - CEPAM Double Migration	79.5	80.5	82.5	86.6	88.6	91.7	95.7
SSP3 - Stalled Development	79.0	79.5	80.5	82.6	83.6	85.1	87.1
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	19.0	24.7	34.2	49.0	53.1	56.3	54.3
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	19.0	25.2	36.9	56.0	62.5	68.6	69.7
SSP2 - CEPAM Double Migration	38.1	49.6	71.0	104.5	114.7	122.8	120.1
SSP3 - Stalled Development	12.7	8.7	0.1	0.1	0.1	0.1	0.1
Ageing indicators by scenario							
	2015	2020	2030	2050	2060	2075	2095
Median age							
SSP1 - Rapid Development	41.7	43.5	47.3	53.7	56.4	60.7	64.8
SSP2 - CEPAM Zero Migration	41.7	43.4	46.5	50.4	51.5	52.7	54.1
SSP2 - CEPAM Medium	41.7	43.4	46.3	49.5	50.3	51.0	51.7
SSP2 - CEPAM Double Migration	41.7	43.3	46.1	48.8	49.3	49.8	50.4
SSP3 - Stalled Development	41.7	43.2	45.3	45.1	43.3	41.6	40.4
Proportion with less than 15 years of remaining life expectancy (RLE)							
SSP1 - Rapid Development	11.4%	11.1%	12.1%	12.2%	14.3%	15.5%	15.5%
SSP2 - CEPAM Zero Migration	11.9%	12.2%	13.6%	13.7%	15.8%	15.7%	14.4%
SSP2 - CEPAM Medium	11.9%	12.1%	13.5%	13.3%	15.0%	14.4%	12.8%
SSP2 - CEPAM Double Migration	11.9%	12.1%	13.4%	12.9%	14.3%	13.5%	11.9%
SSP3 - Stalled Development	12.4%	13.2%	14.9%	15.2%	15.3%	13.3%	10.4%



Hungary (Continued)

Labour force projections to 2060

Labour force indicators

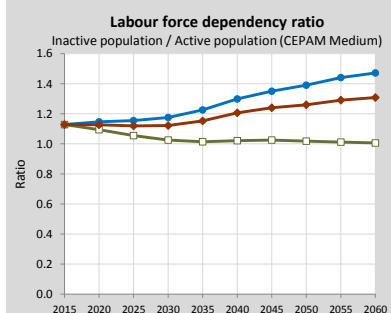
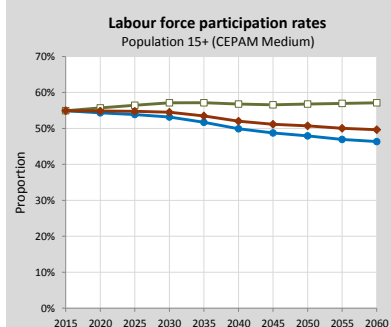
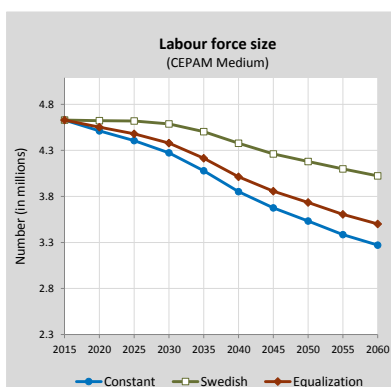
	2015	2020	2030	2040	2050	2060
Labour force size, by participation and migration scenario (in millions)						
Constant (CEPAM Zero Migration)	4.60	4.47	4.20	3.73	3.34	3.00
Constant (CEPAM Medium)	4.60	4.48	4.24	3.82	3.50	3.24
Constant (CEPAM Double Migration)	4.60	4.49	4.28	3.91	3.65	3.45
Swedish (CEPAM Zero Migration)	4.60	4.58	4.51	4.24	3.96	3.70
Swedish (CEPAM Medium)	4.60	4.59	4.55	4.34	4.15	3.99
Swedish (CEPAM Double Migration)	4.60	4.60	4.60	4.44	4.32	4.25
Equalization (CEPAM Zero Migration)	4.60	4.51	4.30	3.88	3.53	3.21
Equalization (CEPAM Medium)	4.60	4.52	4.35	3.98	3.70	3.47
Equalization (CEPAM Double Migration)	4.60	4.53	4.39	4.07	3.86	3.70
Constant (CEPAM Medium-low fertility)	4.60	4.48	4.24	3.79	3.37	2.95
Swedish (CEPAM Medium-low fertility)	4.60	4.59	4.55	4.30	3.97	3.63
Equalization (CEPAM Medium-low fertility)	4.60	4.52	4.34	3.95	3.56	3.16

Labour force participation rates, age 15+, by participation scenario (CEPAM Medium)

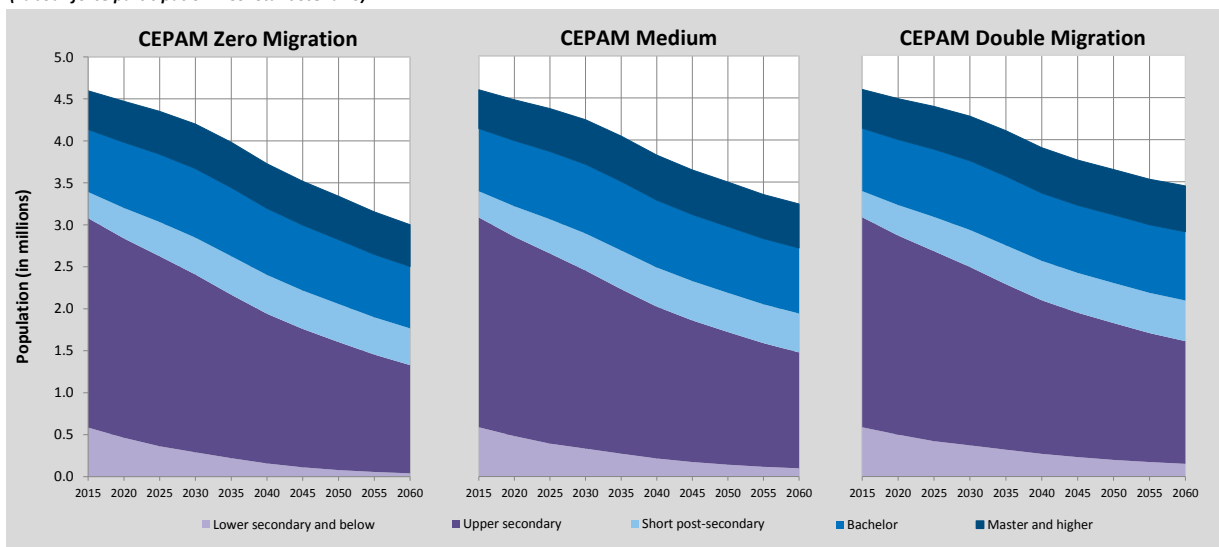
TOTAL (Constant)	54.9%	54.3%	53.2%	49.9%	47.9%	46.4%
TOTAL (Swedish)	54.9%	55.7%	57.1%	56.8%	56.8%	57.1%
TOTAL (Equalization)	54.9%	54.8%	54.5%	52.0%	50.7%	49.6%
MALE (Constant)	63.3%	62.2%	60.4%	56.7%	54.4%	52.4%
MALE (Swedish)	63.3%	63.4%	63.9%	62.9%	62.5%	62.3%
MALE (Equalization)	63.3%	62.2%	60.4%	56.7%	54.4%	52.4%
FEMALE (Constant)	47.5%	47.4%	46.7%	43.8%	42.1%	40.9%
FEMALE (Swedish)	47.5%	48.9%	51.1%	51.3%	51.7%	52.4%
FEMALE (Equalization)	47.5%	48.3%	49.2%	47.8%	47.4%	47.1%

Labour force (15+) by highest level of educational attainment. Columns sum to 100%. (CEPAM Medium; Constant participation)

TOTAL E1-E4 - lower secondary and below	12.7%	10.7%	7.8%	5.6%	4.0%	3.0%
TOTAL E5 - upper secondary	54.3%	52.9%	49.9%	47.2%	45.1%	42.6%
TOTAL E6 - short post-secondary	6.7%	8.1%	10.3%	12.2%	13.3%	14.2%
TOTAL E7 - bachelor	16.2%	17.4%	19.4%	20.9%	22.6%	24.1%
TOTAL E8 - master and higher	10.0%	10.8%	12.5%	14.0%	15.1%	16.1%
MALE E1-E4 - lower secondary and below	13.5%	11.7%	8.9%	6.6%	4.8%	3.6%
MALE E5 - upper secondary	58.9%	58.0%	56.1%	54.4%	53.4%	52.1%
MALE E6 - short post-secondary	5.5%	6.5%	7.9%	8.9%	9.5%	10.1%
MALE E7 - bachelor	12.9%	14.2%	16.7%	18.9%	20.4%	21.7%
MALE E8 - master and higher	9.2%	9.6%	10.4%	11.2%	11.9%	12.6%
FEMALE E1-E4 - lower secondary and below	11.9%	9.6%	6.6%	4.5%	3.1%	2.4%
FEMALE E5 - upper secondary	48.8%	46.9%	42.8%	38.9%	35.4%	31.5%
FEMALE E6 - short post-secondary	8.2%	10.0%	13.2%	16.0%	17.7%	19.1%
FEMALE E7 - bachelor	20.2%	21.1%	22.6%	23.3%	25.0%	26.8%
FEMALE E8 - master and higher	11.0%	12.3%	14.9%	17.2%	18.8%	20.2%



Labour force size by educational attainment according to three migration scenarios, 2015-2060 (Labour force participation = Constant scenario)



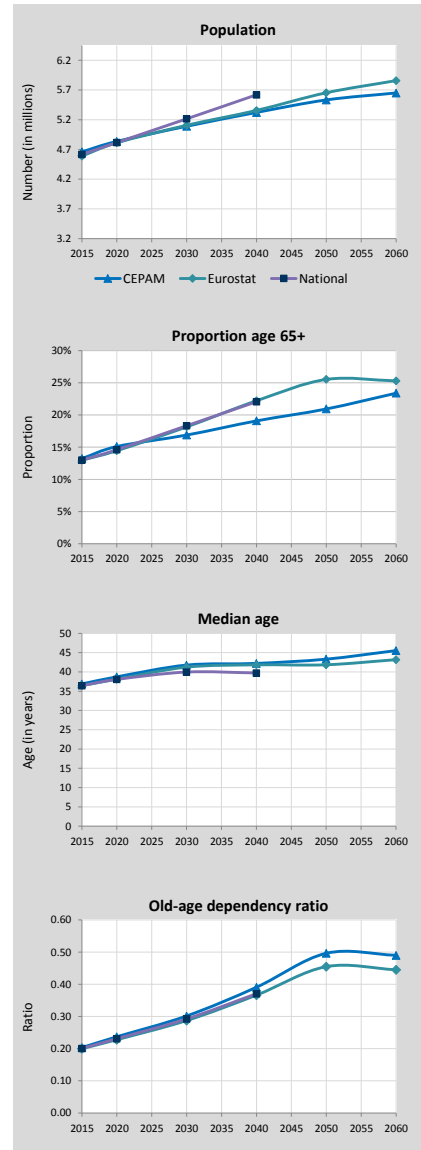
Ireland

Detailed Human Capital projections to 2060

Comparison of CEPAM projections with other sources

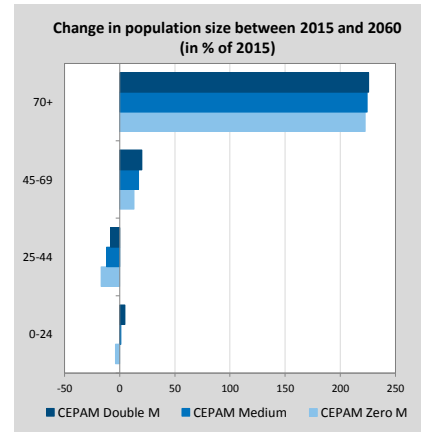
Demographic indicators - CEPAM Medium Scenario (SSP2), Eurostat and national projections		2015	2020	2030	2040	2050	2060
Population (in millions)	CEPAM	4.70	4.88	5.13	5.36	5.57	5.69
	Eurostat	4.63	4.85	5.15	5.40	5.69	5.90
	National	4.66	4.86	5.25	5.66	-	-
Proportion age 65+	CEPAM	13.2%	15.1%	16.9%	19.1%	20.9%	23.4%
	Eurostat	13.0%	14.5%	18.1%	22.2%	25.5%	25.3%
	National	13.0%	14.6%	18.3%	22.1%	-	-
Proportion below age 20	CEPAM	27.5%	27.6%	24.5%	22.3%	22.6%	21.8%
	Eurostat	28.2%	28.5%	26.2%	23.2%	23.9%	24.1%
	National	28.5%	28.7%	26.2%	24.3%	-	-
Median age	CEPAM	36.9	38.7	41.8	42.2	43.3	45.5
	Eurostat	36.5	38.1	41.2	41.8	41.9	43.2
	National	36.4	38.1	40.0	39.7	-	-
Old-age dependency ratio (65+/15-64)	CEPAM	0.20	0.24	0.30	0.39	0.50	0.49
	Eurostat	0.20	0.23	0.29	0.37	0.45	0.45
	National	0.20	0.23	0.29	0.37	-	-
Young-age dependency ratio (0-14/15-64)	CEPAM	0.33	0.33	0.28	0.28	0.31	0.28
	Eurostat	0.34	0.35	0.30	0.28	0.33	0.31
	National	0.34	0.35	0.30	0.31	-	-
Parent support ratio (85+/50-64)	CEPAM	0.08	0.09	0.11	0.20	0.35	0.43
	Eurostat	0.08	0.09	0.11	0.17	0.29	0.37
	National	0.08	0.09	0.12	0.21	-	-

Demographic assumptions underlying projections		2010-2015	2015-2020	2025-2030	2035-2040	2045-2050	2055-2060	
Total fertility rate	CEPAM	2.00	2.00	1.98	1.95	1.93	1.90	
	Eurostat	1.95	1.96	1.96	1.96	1.96	1.96	
	National	2.10	2.10	2.10	2.10	-	-	
Life expectancy at birth (in years)								
	Male	CEPAM	79.8	80.7	81.7	83.7	85.6	87.6
		Eurostat	79.7	80.5	81.2	82.5	83.8	85.0
National		80.1	81.3	82.4	84.1	-	-	
Female	CEPAM	83.7	84.7	85.7	87.8	89.8	91.9	
	Eurostat	83.8	84.5	85.2	86.5	87.8	89.0	
	National	84.3	85.2	86.1	87.6	-	-	
Five-year net migration flow (in thousands)	CEPAM	6.6	8.7	11.1	15.8	18.9	21.5	
	Eurostat	53.8	40.9	35.0	61.2	67.6	62.9	
	National	-16.1	47.6	50.0	50.0	-	-	



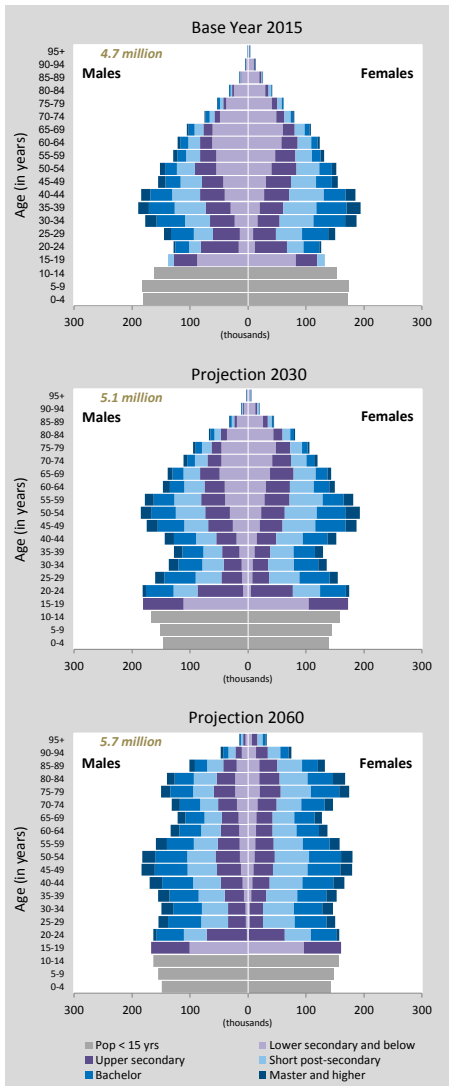
Changes in population size and structure according to CEPAM scenarios (impact of migration)

Population size according to CEPAM projections to 2060		2015	2020	2030	2040	2050	2060
Population (in millions)	Zero M	4.70	4.87	5.09	5.28	5.44	5.49
	Medium	4.70	4.88	5.13	5.36	5.57	5.69
	Double M	4.70	4.88	5.16	5.43	5.68	5.85
Population 0-24 (in millions)	Zero M	1.55	1.61	1.60	1.49	1.50	1.49
	Medium	1.55	1.62	1.62	1.52	1.55	1.56
	Double M	1.55	1.62	1.63	1.55	1.59	1.62
Population 25-44 (in millions)	Zero M	1.41	1.29	1.12	1.28	1.31	1.18
	Medium	1.41	1.30	1.14	1.31	1.36	1.24
	Double M	1.41	1.30	1.15	1.33	1.40	1.30
Population 45-69 (in millions)	Zero M	1.33	1.46	1.67	1.60	1.45	1.51
	Medium	1.33	1.46	1.68	1.62	1.48	1.56
	Double M	1.33	1.46	1.68	1.63	1.51	1.60
Population 70+ (in millions)	Zero M	0.41	0.50	0.70	0.91	1.18	1.32
	Medium	0.41	0.50	0.70	0.91	1.18	1.32
	Double M	0.41	0.50	0.70	0.91	1.19	1.33



Ireland (Continued)

Pyramids by education, CEPAM Medium

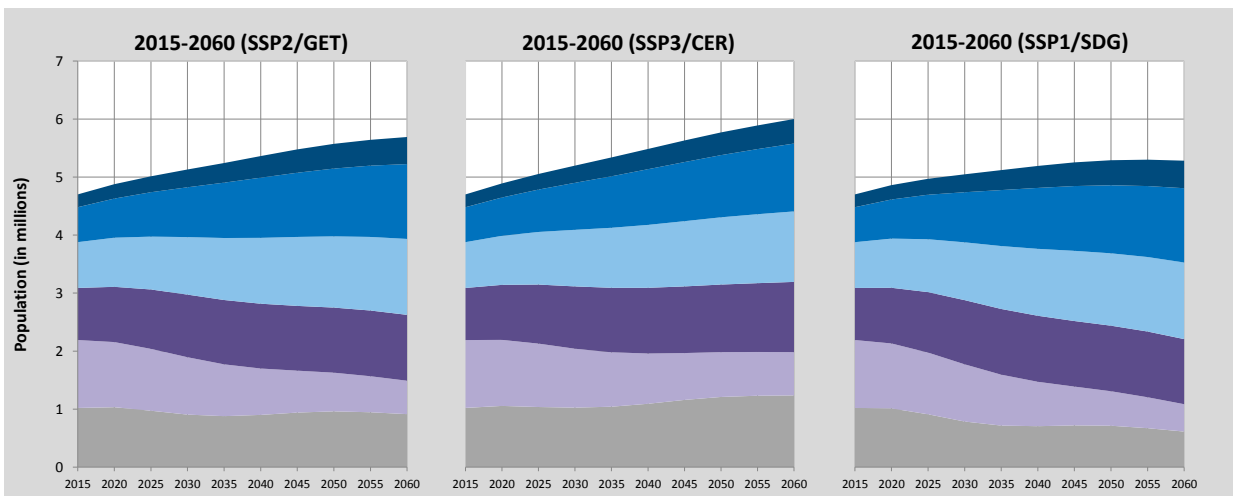


Detailed Human Capital projections to 2060

Human Capital indicators, CEPAM Medium (SSP2)

	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1-E4 - lower secondary and below	30.8%	27.8%	21.6%	16.0%	11.9%	9.1%
E5 - upper secondary	22.2%	22.3%	22.5%	22.4%	22.0%	21.2%
E6 - short post-secondary	22.8%	23.8%	25.7%	27.4%	28.7%	29.6%
E7 - bachelor	17.5%	18.9%	21.8%	24.7%	27.0%	29.0%
E8 - master and higher	6.8%	7.3%	8.4%	9.4%	10.3%	11.0%
Mean years of schooling (in years)	11.79	12.12	12.80	13.45	13.97	14.39
Age gap: highest educational attainment (ratio 35-44/50-64)						
E1-E4 - lower secondary and below	0.40	0.41	0.59	0.60	0.48	0.54
E5 - upper secondary	0.95	0.87	0.97	0.95	0.89	0.90
E6 - short post-secondary	1.40	1.20	1.00	1.08	1.13	1.09
E7 - bachelor	1.91	1.83	1.34	1.14	1.14	1.09
E8 - master and higher	2.18	1.82	1.16	1.08	1.14	1.09
Mean years of schooling (35-44 minus 50-64)	2.53	2.71	2.23	1.05	0.63	0.43
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1-E4 - lower secondary and below	1.16	1.17	1.17	1.18	1.19	1.18
E5 - upper secondary	0.95	0.96	1.00	1.05	1.09	1.14
E6 - short post-secondary	0.85	0.85	0.85	0.85	0.84	0.84
E7 - bachelor	1.00	1.00	1.00	1.00	1.00	1.00
E8 - master and higher	1.05	1.06	1.07	1.08	1.08	1.08
Mean years of schooling (male minus female)	-0.21	-0.18	-0.11	-0.05	-0.02	0.00
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1-E4 - lower secondary and below	9%	8%	5%	4%	3%	2%
E5 - upper secondary	26%	26%	26%	24%	22%	22%
E6 - short post-secondary	29%	29%	31%	33%	34%	34%
E7 - bachelor	27%	28%	30%	31%	32%	33%
E8 - master and higher	9%	8%	8%	9%	9%	9%
Mean years of schooling (in years)	14.22	14.51	14.71	14.90	15.01	15.06
Age gap among women: highest educational attainment (ratio 35-44/50-64)						
E1-E4 - lower secondary and below	0.35	0.38	0.60	0.63	0.47	0.52
E5 - upper secondary	0.85	0.75	0.91	0.93	0.85	0.87
E6 - short post-secondary	1.36	1.17	1.03	1.10	1.13	1.09
E7 - bachelor	2.03	1.90	1.31	1.11	1.13	1.09
E8 - master and higher	2.63	2.11	1.07	1.00	1.13	1.09
Mean years of schooling (35-44 minus 50-64)	3.53	3.42	2.74	1.18	0.78	0.60

Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG



Colour legend as in pyramids above

Education scenarios

SSP2/GET : Global Education Trend Scenario (Medium assumption)

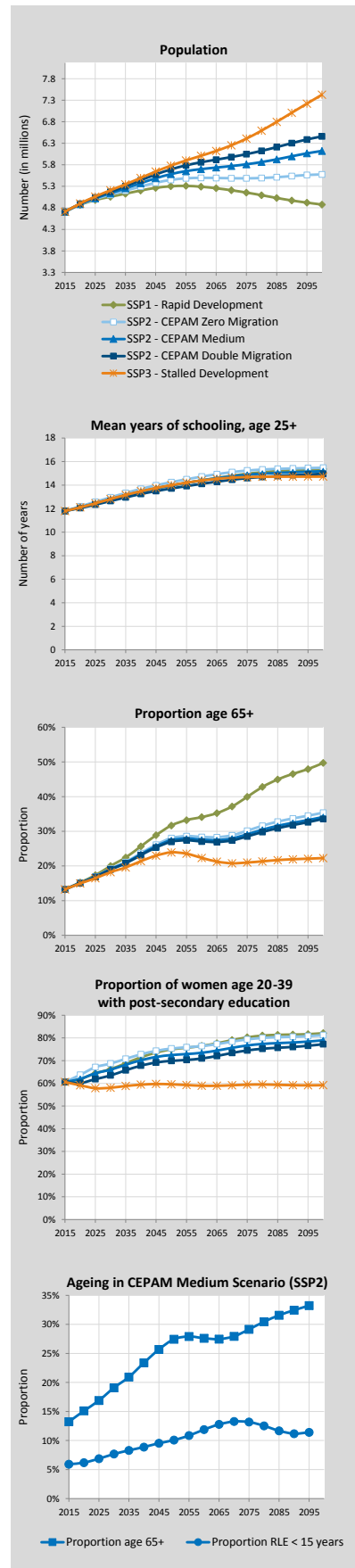
SSP3/CER : Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG : Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

Ireland (Continued)

Alternative scenarios to 2100

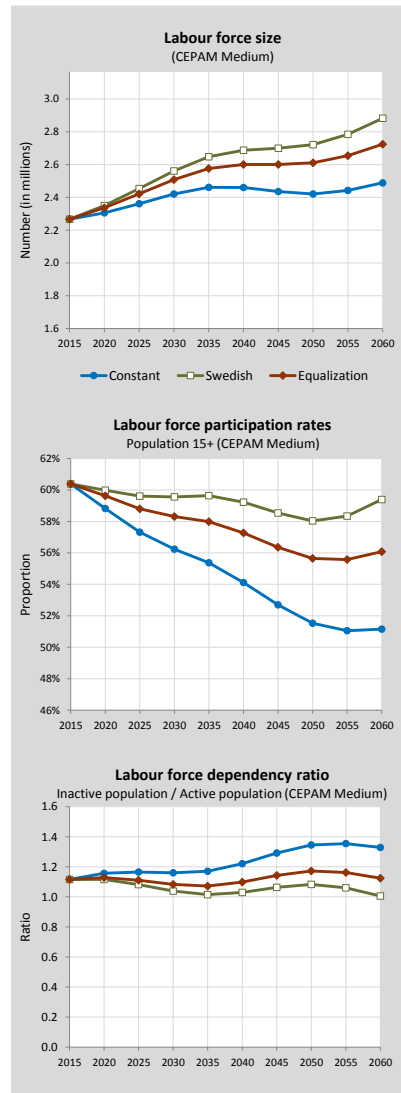
Projection results by scenario (SSP1-SSP3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	4.70	4.86	5.05	5.29	5.28	5.15	4.87
SSP2 - CEPAM Zero Migration	4.70	4.87	5.09	5.44	5.49	5.48	5.57
SSP2 - CEPAM Medium	4.70	4.88	5.13	5.57	5.69	5.80	6.11
SSP2 - CEPAM Double Migration	4.70	4.88	5.16	5.68	5.85	6.04	6.45
SSP3 - Stalled Development	4.70	4.89	5.20	5.77	6.00	6.40	7.42
Proportion age 65+							
SSP1 - Rapid Development	13.2%	15.3%	20.0%	31.7%	34.1%	39.9%	49.7%
SSP2 - CEPAM Zero Migration	13.2%	15.1%	19.2%	28.0%	28.4%	30.2%	35.4%
SSP2 - CEPAM Medium	13.2%	15.1%	19.1%	27.4%	27.6%	29.1%	34.1%
SSP2 - CEPAM Double Migration	13.2%	15.1%	19.0%	27.0%	27.1%	28.5%	33.6%
SSP3 - Stalled Development	13.2%	15.0%	18.2%	23.9%	22.3%	21.0%	22.3%
Proportion below age 20							
SSP1 - Rapid Development	27.5%	27.2%	22.6%	17.9%	16.3%	13.7%	11.5%
SSP2 - CEPAM Zero Migration	27.5%	27.6%	24.5%	22.4%	21.5%	20.0%	18.3%
SSP2 - CEPAM Medium	27.5%	27.6%	24.5%	22.6%	21.8%	20.4%	18.8%
SSP2 - CEPAM Double Migration	27.5%	27.6%	24.6%	22.8%	22.1%	20.7%	19.1%
SSP3 - Stalled Development	27.5%	28.0%	26.6%	27.2%	27.4%	27.3%	26.5%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	60.6%	61.9%	66.3%	75.0%	76.5%	80.3%	82.1%
SSP2 - CEPAM Zero Migration	60.6%	63.7%	68.7%	75.3%	76.4%	79.4%	81.2%
SSP2 - CEPAM Medium	60.6%	61.9%	66.0%	72.5%	73.5%	76.7%	79.0%
SSP2 - CEPAM Double Migration	60.6%	60.1%	63.5%	69.9%	71.0%	74.5%	77.2%
SSP3 - Stalled Development	60.6%	59.1%	58.1%	59.6%	58.9%	59.4%	59.2%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	11.8	12.1	12.8	14.0	14.4	15.0	15.4
SSP2 - CEPAM Zero Migration	11.8	12.2	13.0	14.2	14.7	15.2	15.5
SSP2 - CEPAM Medium	11.8	12.1	12.8	14.0	14.4	14.9	15.2
SSP2 - CEPAM Double Migration	11.8	12.0	12.6	13.7	14.1	14.6	15.0
SSP3 - Stalled Development	11.8	12.1	12.8	14.0	14.4	14.7	14.7
Demographic assumptions underlying SSPs							
	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.86	1.73	1.54	1.43	1.42	1.40	1.39
SSP2 - CEPAM Zero Migration	1.99	1.99	1.97	1.91	1.89	1.87	1.85
SSP2 - CEPAM Medium	2.00	2.00	1.96	1.91	1.89	1.87	1.85
SSP2 - CEPAM Double Migration	2.00	2.00	1.96	1.91	1.89	1.87	1.85
SSP3 - Stalled Development	2.14	2.29	2.43	2.45	2.42	2.40	2.38
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	84.2	85.7	88.7	94.9	97.9	102.5	108.6
SSP2 - CEPAM Zero Migration	83.7	84.7	86.8	90.9	93.0	96.1	100.2
SSP2 - CEPAM Medium	83.7	84.7	86.7	90.8	92.9	96.0	100.1
SSP2 - CEPAM Double Migration	83.7	84.7	86.7	90.8	92.8	95.9	100.0
SSP3 - Stalled Development	83.2	83.7	84.7	86.9	87.9	89.5	91.5
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	6.6	8.4	12.1	16.6	17.8	18.4	13.5
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	6.6	8.7	13.6	20.2	22.6	23.3	17.4
SSP2 - CEPAM Double Migration	13.1	16.6	24.7	33.5	35.9	34.0	18.8
SSP3 - Stalled Development	4.4	3.1	0.0	0.0	0.0	0.1	0.1
Ageing indicators by scenario							
	2015	2020	2030	2050	2060	2075	2095
Median age							
SSP1 - Rapid Development	36.9	38.9	43.1	47.7	51.6	57.5	63.0
SSP2 - CEPAM Zero Migration	36.9	38.8	42.0	43.7	46.1	47.6	50.7
SSP2 - CEPAM Medium	36.9	38.7	41.8	43.3	45.5	46.6	49.7
SSP2 - CEPAM Double Migration	36.9	38.7	41.6	43.0	45.1	46.1	49.2
SSP3 - Stalled Development	36.9	38.5	40.5	39.2	39.0	37.9	39.2
Proportion with less than 15 years of remaining life expectancy (RLE)							
SSP1 - Rapid Development	5.9%	6.2%	7.7%	10.1%	11.9%	13.2%	11.4%
SSP2 - CEPAM Zero Migration	6.1%	6.6%	8.3%	10.8%	12.7%	11.7%	11.6%
SSP2 - CEPAM Medium	6.1%	6.6%	8.3%	10.6%	12.3%	11.1%	11.1%
SSP2 - CEPAM Double Migration	6.1%	6.6%	8.3%	10.4%	12.0%	10.8%	10.8%
SSP3 - Stalled Development	6.4%	7.1%	8.9%	11.3%	12.3%	9.4%	9.9%



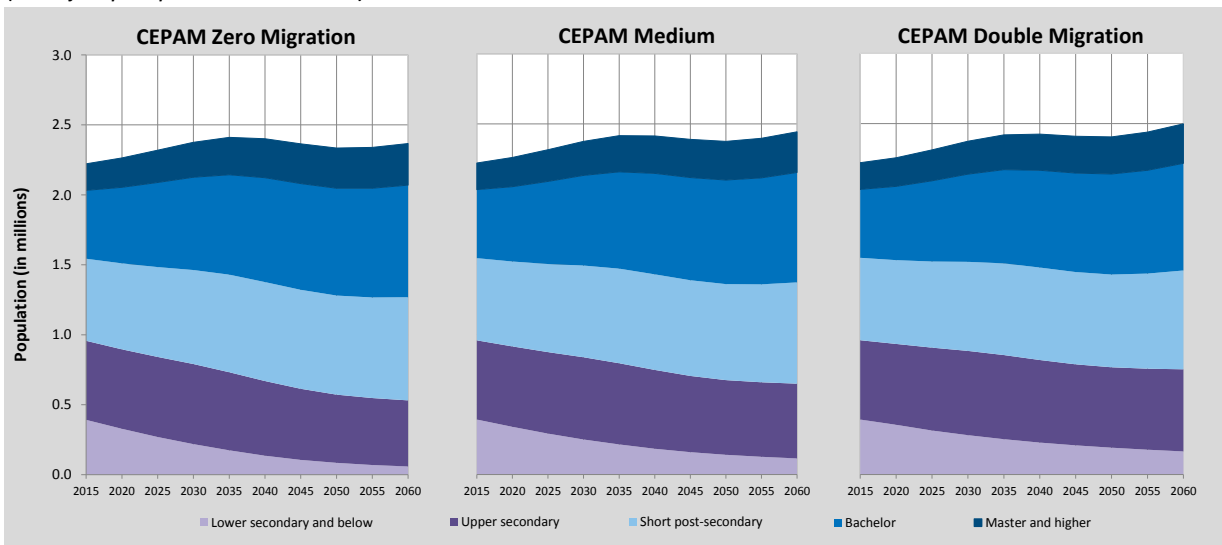
Ireland (Continued)

Labour force projections to 2060

Labour force indicators	2015	2020	2030	2040	2050	2060
Labour force size, by participation and migration scenario (in millions)						
Constant (CEPAM Zero Migration)	2.22	2.26	2.38	2.40	2.33	2.37
Constant (CEPAM Medium)	2.22	2.26	2.38	2.41	2.38	2.44
Constant (CEPAM Double Migration)	2.22	2.26	2.37	2.42	2.41	2.50
Swedish (CEPAM Zero Migration)	2.22	2.31	2.51	2.62	2.62	2.74
Swedish (CEPAM Medium)	2.22	2.31	2.52	2.64	2.68	2.84
Swedish (CEPAM Double Migration)	2.22	2.30	2.52	2.66	2.72	2.91
Equalization (CEPAM Zero Migration)	2.22	2.29	2.46	2.53	2.51	2.58
Equalization (CEPAM Medium)	2.22	2.29	2.46	2.56	2.57	2.68
Equalization (CEPAM Double Migration)	2.22	2.29	2.47	2.57	2.61	2.76
Constant (CEPAM Medium-low fertility)	2.22	2.26	2.37	2.39	2.27	2.21
Swedish (CEPAM Medium-low fertility)	2.22	2.31	2.52	2.61	2.55	2.56
Equalization (CEPAM Medium-low fertility)	2.22	2.29	2.46	2.53	2.45	2.43
Labour force participation rates, age 15+, by participation scenario (CEPAM Medium)						
TOTAL (Constant)	60.4%	58.8%	56.2%	54.1%	51.5%	51.2%
TOTAL (Swedish)	60.4%	60.0%	59.6%	59.2%	58.0%	59.4%
TOTAL (Equalization)	60.4%	59.6%	58.3%	57.3%	55.6%	56.1%
MALE (Constant)	68.2%	66.2%	62.9%	60.6%	58.2%	57.9%
MALE (Swedish)	68.2%	66.9%	64.9%	63.9%	62.3%	63.1%
MALE (Equalization)	68.2%	66.2%	62.9%	60.6%	58.2%	57.9%
FEMALE (Constant)	52.8%	51.7%	49.8%	47.9%	45.2%	44.8%
FEMALE (Swedish)	52.8%	53.3%	54.4%	54.8%	53.9%	55.8%
FEMALE (Equalization)	52.8%	53.3%	53.9%	54.0%	53.2%	54.4%
Labour force (15+) by highest level of educational attainment. Columns sum to 100%. (CEPAM Medium; Constant participation)						
TOTAL E1-E4 - lower secondary and below	17.6%	15.1%	10.5%	7.6%	5.9%	4.7%
TOTAL E5 - upper secondary	25.4%	25.3%	24.7%	23.3%	22.4%	21.8%
TOTAL E6 - short post-secondary	26.4%	26.8%	27.5%	28.2%	28.8%	29.5%
TOTAL E7 - bachelor	22.0%	23.6%	27.1%	29.8%	31.2%	32.1%
TOTAL E8 - master and higher	8.5%	9.2%	10.2%	11.1%	11.6%	11.9%
MALE E1-E4 - lower secondary and below	22.7%	19.6%	13.8%	9.9%	7.5%	5.9%
MALE E5 - upper secondary	26.0%	26.1%	26.2%	25.4%	24.7%	24.3%
MALE E6 - short post-secondary	23.4%	23.9%	24.9%	25.6%	26.2%	26.9%
MALE E7 - bachelor	20.0%	21.8%	25.4%	28.4%	30.0%	31.1%
MALE E8 - master and higher	7.9%	8.6%	9.7%	10.8%	11.5%	11.8%
FEMALE E1-E4 - lower secondary and below	11.3%	9.5%	6.6%	4.8%	3.9%	3.2%
FEMALE E5 - upper secondary	24.8%	24.3%	22.9%	20.8%	19.6%	18.8%
FEMALE E6 - short post-secondary	30.2%	30.4%	30.7%	31.4%	32.0%	32.7%
FEMALE E7 - bachelor	24.4%	25.9%	29.0%	31.5%	32.6%	33.3%
FEMALE E8 - master and higher	9.3%	9.9%	10.8%	11.5%	11.8%	11.9%



Labour force size by educational attainment according to three migration scenarios, 2015-2060 (Labour force participation = Constant scenario)



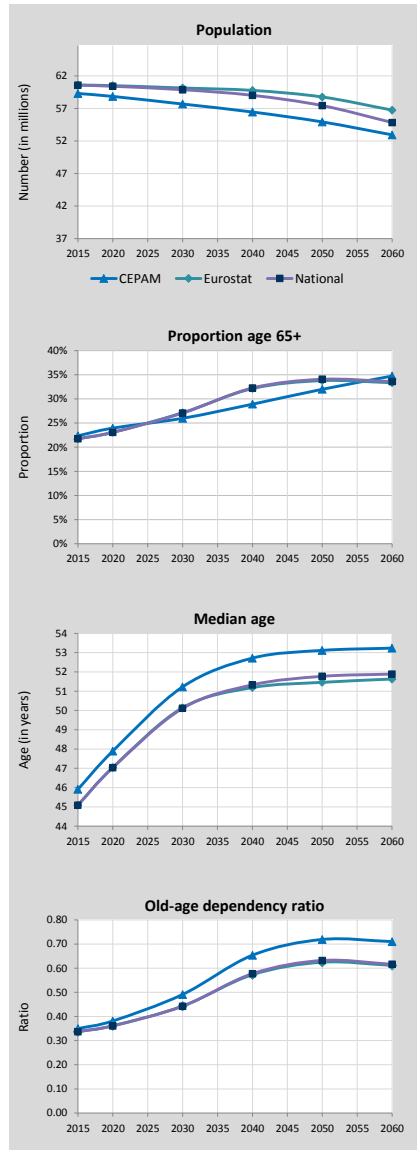
Italy

Detailed Human Capital projections to 2060

Comparison of CEPAM projections with other sources

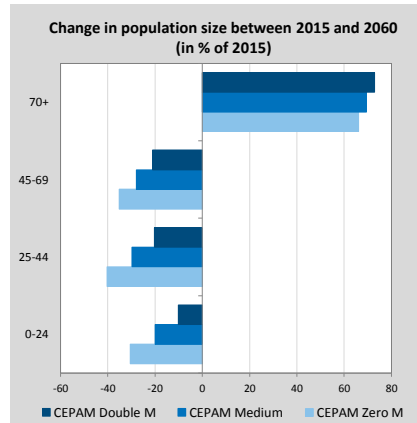
Demographic indicators - CEPAM Medium Scenario (SSP2), Eurostat and national projections		2015	2020	2030	2040	2050	2060
Population (in millions)	CEPAM	59.50	59.05	57.88	56.66	55.14	53.15
	Eurostat	60.80	60.72	60.35	59.98	58.97	56.95
	National	60.80	60.61	60.08	59.22	57.64	55.05
Proportion age 65+	CEPAM	22.4%	24.0%	26.0%	28.9%	32.0%	34.7%
	Eurostat	21.7%	23.1%	27.1%	32.1%	33.8%	33.4%
	National	21.7%	23.1%	27.1%	32.3%	34.1%	33.6%
Proportion below age 20	CEPAM	18.4%	18.0%	16.7%	16.3%	16.5%	16.4%
	Eurostat	18.5%	17.9%	16.2%	15.8%	16.3%	16.5%
	National	18.5%	17.9%	16.4%	16.0%	16.2%	16.3%
Median age	CEPAM	45.9	47.9	51.2	52.7	53.1	53.2
	Eurostat	45.1	47.0	50.1	51.2	51.5	51.6
	National	45.1	47.0	50.1	51.3	51.8	51.9
Old-age dependency ratio (65+/15-64)	CEPAM	0.35	0.38	0.49	0.65	0.72	0.71
	Eurostat	0.34	0.36	0.44	0.57	0.62	0.61
	National	0.34	0.36	0.44	0.58	0.63	0.62
Young-age dependency ratio (0-14/15-64)	CEPAM	0.21	0.21	0.21	0.23	0.24	0.23
	Eurostat	0.21	0.20	0.19	0.21	0.22	0.22
	National	0.21	0.21	0.19	0.21	0.22	0.22
Parent support ratio (85+/50-64)	CEPAM	0.16	0.17	0.21	0.37	0.58	0.75
	Eurostat	0.16	0.17	0.20	0.29	0.42	0.51
	National	0.16	0.17	0.19	0.28	0.41	0.49

Demographic assumptions underlying projections		2010-2015	2015-2020	2025-2030	2035-2040	2045-2050	2055-2060	
Total fertility rate	CEPAM	1.48	1.53	1.55	1.59	1.61	1.61	
	Eurostat	1.35	1.37	1.40	1.46	1.52	1.58	
	National	1.37	1.43	1.46	1.50	1.54	1.57	
Life expectancy at birth (in years)								
	Male	CEPAM	81.0	82.1	83.1	85.1	87.2	89.2
		Eurostat	80.8	81.6	82.2	83.4	84.6	85.6
National		80.9	81.6	82.2	83.5	84.6	85.5	
Female	CEPAM	85.4	86.4	87.5	89.7	91.8	94.0	
	Eurostat	85.5	86.1	86.7	87.8	88.8	89.8	
	National	85.4	86.0	86.6	87.7	88.7	89.6	
Five-year net migration flow (in thousands)	CEPAM	262.4	301.7	339.0	406.4	464.8	513.5	
	Eurostat	715.3	841.4	969.4	1059.6	1007.8	917.8	
	National	700.8	760.9	797.0	804.7	779.9	739.8	



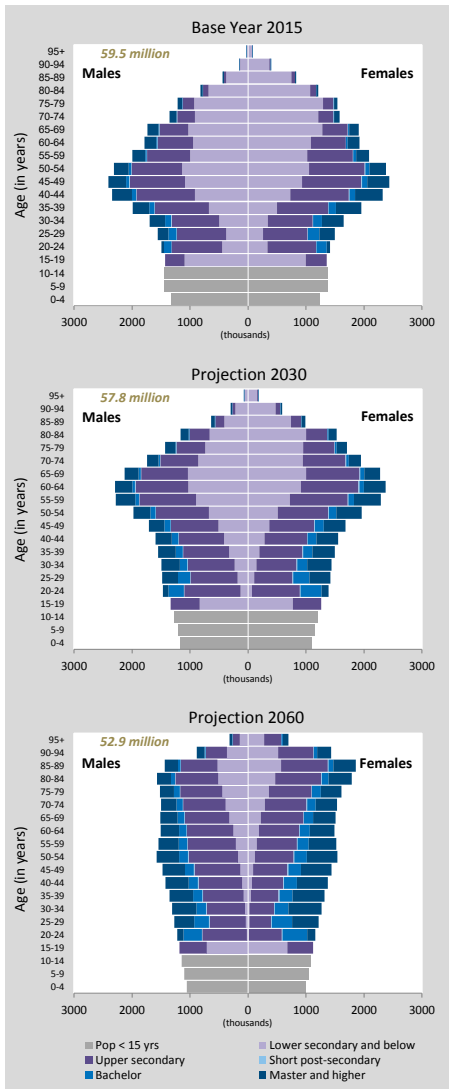
Changes in population size and structure according to CEPAM scenarios (impact of migration)

Population size according to CEPAM projections to 2060		2015	2020	2030	2040	2050	2060
Population (in millions)	Zero M	59.50	58.77	56.82	54.54	51.74	48.24
	Medium	59.50	59.05	57.88	56.66	55.14	53.15
	Double M	59.50	59.34	58.93	58.68	58.32	57.66
Population 0-24 (in millions)	Zero M	13.86	13.36	12.20	11.08	10.38	9.64
	Medium	13.86	13.45	12.55	11.78	11.46	11.11
	Double M	13.86	13.54	12.89	12.45	12.47	12.45
Population 25-44 (in millions)	Zero M	15.01	13.23	11.50	10.90	9.99	8.96
	Medium	15.01	13.39	12.04	11.75	11.16	10.54
	Double M	15.01	13.55	12.56	12.55	12.24	11.96
Population 45-69 (in millions)	Zero M	20.97	21.61	20.80	17.33	14.52	13.59
	Medium	20.97	21.64	20.97	17.86	15.55	15.12
	Double M	20.97	21.67	21.14	18.37	16.53	16.55
Population 70+ (in millions)	Zero M	9.66	10.57	12.31	15.22	16.85	16.05
	Medium	9.66	10.57	12.33	15.26	16.97	16.38
	Double M	9.66	10.58	12.34	15.30	17.08	16.70



Italy (Continued)

Pyramids by education, CEPAM Medium

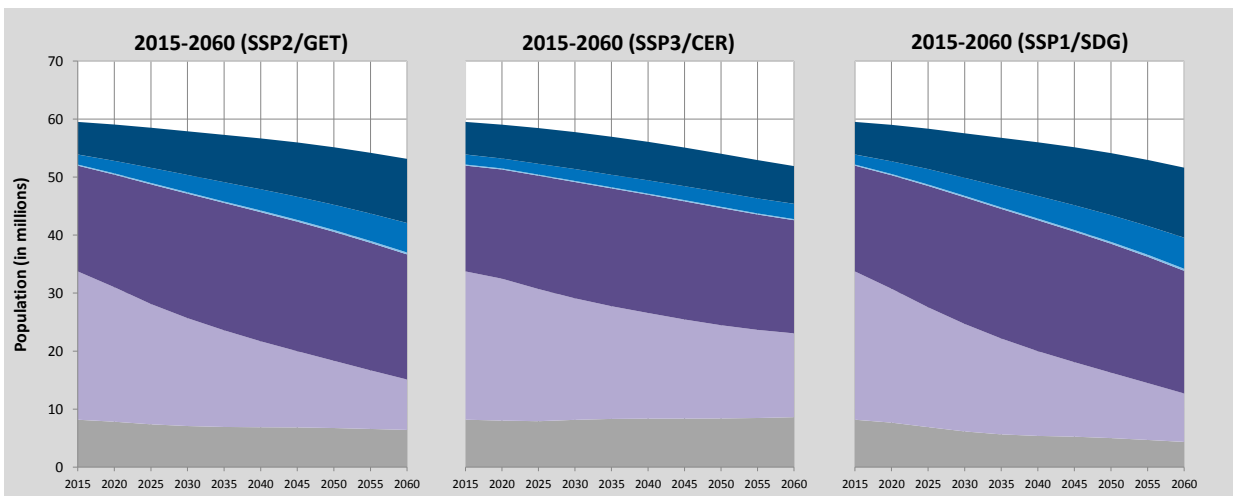


Detailed Human Capital projections to 2060

Human Capital indicators, CEPAM Medium (SSP2)

	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1-E4 - lower secondary and below	49.7%	45.5%	37.1%	29.6%	23.1%	17.3%
E5 - upper secondary	34.7%	36.9%	41.1%	44.1%	45.6%	45.9%
E6 - short post-secondary	0.4%	0.4%	0.5%	0.6%	0.6%	0.7%
E7 - bachelor	3.1%	3.8%	5.2%	6.8%	8.4%	10.3%
E8 - master and higher	12.1%	13.4%	16.1%	19.0%	22.1%	25.7%
Mean years of schooling (in years)	10.65	11.07	11.88	12.58	13.17	13.74
Age gap: highest educational attainment (ratio 35-44/50-64)						
E1-E4 - lower secondary and below	0.65	0.61	0.54	0.47	0.43	0.45
E5 - upper secondary	1.22	1.19	1.15	1.08	0.98	0.92
E6 - short post-secondary	1.21	1.06	1.22	1.39	1.34	1.28
E7 - bachelor	2.23	2.67	2.31	1.50	1.35	1.28
E8 - master and higher	1.61	1.52	1.30	1.35	1.35	1.28
Mean years of schooling (35-44 minus 50-64)	1.70	1.62	1.47	1.43	1.27	1.03
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1-E4 - lower secondary and below	0.98	0.99	1.03	1.09	1.14	1.17
E5 - upper secondary	1.10	1.09	1.08	1.09	1.12	1.17
E6 - short post-secondary	0.78	0.79	0.81	0.81	0.81	0.83
E7 - bachelor	0.73	0.74	0.75	0.75	0.75	0.75
E8 - master and higher	0.92	0.89	0.84	0.80	0.77	0.76
Mean years of schooling (male minus female)	0.26	0.14	-0.11	-0.34	-0.50	-0.59
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1-E4 - lower secondary and below	22%	17%	9%	5%	3%	2%
E5 - upper secondary	50%	51%	51%	47%	42%	37%
E6 - short post-secondary	1%	1%	1%	1%	1%	1%
E7 - bachelor	10%	13%	17%	19%	22%	25%
E8 - master and higher	17%	19%	23%	27%	31%	35%
Mean years of schooling (in years)	13.09	13.47	14.23	14.76	15.17	15.51
Age gap among women: highest educational attainment (ratio 35-44/50-64)						
E1-E4 - lower secondary and below	0.58	0.55	0.49	0.44	0.41	0.42
E5 - upper secondary	1.20	1.14	1.12	1.02	0.90	0.84
E6 - short post-secondary	1.41	1.10	1.06	1.31	1.38	1.29
E7 - bachelor	2.14	2.56	2.26	1.50	1.38	1.29
E8 - master and higher	1.94	1.74	1.30	1.33	1.38	1.29
Mean years of schooling (35-44 minus 50-64)	2.71	2.38	1.98	1.75	1.67	1.43

Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG



Colour legend as in pyramids above

Education scenarios

SSP2/GET : Global Education Trend Scenario (Medium assumption)

SSP3/CER : Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG : Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

Italy (Continued)

Alternative scenarios to 2100

Projection results by scenario (SSP1-SSP3)

	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	59.51	59.01	57.54	54.12	51.63	47.44	43.02
SSP2 - CEPAM Zero Migration	59.51	58.77	56.82	51.74	48.24	43.22	38.30
SSP2 - CEPAM Medium	59.51	59.05	57.88	55.14	53.15	50.74	50.45
SSP2 - CEPAM Double Migration	59.51	59.34	58.93	58.32	57.66	57.44	60.75
SSP3 - Stalled Development	59.51	59.04	57.76	54.02	51.90	50.36	53.09

Proportion age 65+

SSP1 - Rapid Development	22.4%	24.1%	30.0%	41.4%	43.8%	47.8%	54.4%
SSP2 - CEPAM Zero Migration	22.4%	24.1%	29.4%	38.7%	39.1%	39.7%	43.2%
SSP2 - CEPAM Medium	22.4%	24.0%	28.9%	36.7%	36.5%	36.5%	39.1%
SSP2 - CEPAM Double Migration	22.4%	23.8%	28.4%	35.1%	34.6%	34.5%	37.1%
SSP3 - Stalled Development	22.4%	23.8%	28.0%	33.3%	30.9%	27.6%	26.3%

Proportion below age 20

SSP1 - Rapid Development	18.4%	17.8%	15.2%	12.6%	11.8%	10.7%	9.6%
SSP2 - CEPAM Zero Migration	18.4%	18.0%	16.5%	15.9%	15.6%	15.5%	14.7%
SSP2 - CEPAM Medium	18.4%	18.0%	16.7%	16.5%	16.4%	16.5%	15.9%
SSP2 - CEPAM Double Migration	18.4%	18.0%	16.9%	17.0%	17.0%	17.2%	16.6%
SSP3 - Stalled Development	18.4%	18.3%	18.6%	20.7%	22.0%	23.7%	24.5%

Proportion of women age 20-39 with post-secondary education

SSP1 - Rapid Development	23.3%	27.9%	36.5%	54.9%	62.8%	72.2%	80.4%
SSP2 - CEPAM Zero Migration	23.3%	27.6%	34.9%	47.0%	52.5%	60.2%	69.7%
SSP2 - CEPAM Medium	23.3%	27.4%	34.6%	46.3%	51.6%	59.1%	68.6%
SSP2 - CEPAM Double Migration	23.3%	27.3%	34.2%	45.7%	51.0%	58.4%	68.0%
SSP3 - Stalled Development	23.3%	20.4%	19.3%	19.0%	19.2%	19.1%	19.1%

Mean years of schooling, age 25+

SSP1 - Rapid Development	10.6	11.1	11.9	13.3	13.9	14.8	15.8
SSP2 - CEPAM Zero Migration	10.6	11.1	11.9	13.3	13.9	14.7	15.6
SSP2 - CEPAM Medium	10.6	11.1	11.9	13.2	13.7	14.5	15.4
SSP2 - CEPAM Double Migration	10.6	11.1	11.8	13.1	13.6	14.4	15.3
SSP3 - Stalled Development	10.6	11.0	11.6	12.4	12.6	12.6	12.6

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.38	1.33	1.23	1.20	1.21	1.22	1.23
SSP2 - CEPAM Zero Migration	1.48	1.53	1.57	1.61	1.62	1.63	1.65
SSP2 - CEPAM Medium	1.48	1.53	1.57	1.61	1.62	1.63	1.65
SSP2 - CEPAM Double Migration	1.49	1.54	1.57	1.61	1.62	1.63	1.65
SSP3 - Stalled Development	1.61	1.83	2.03	2.19	2.22	2.26	2.31

Life expectancy at birth for females (in years)

SSP1 - Rapid Development	85.9	87.5	90.6	96.9	100.1	104.8	111.1
SSP2 - CEPAM Zero Migration	85.4	86.5	88.6	92.9	95.1	98.4	102.7
SSP2 - CEPAM Medium	85.4	86.4	88.6	92.9	95.1	98.3	102.6
SSP2 - CEPAM Double Migration	85.4	86.4	88.6	92.9	95.0	98.2	102.5
SSP3 - Stalled Development	84.9	85.4	86.6	88.9	90.0	91.6	93.8

Migration – net flow over five years (in thousands)

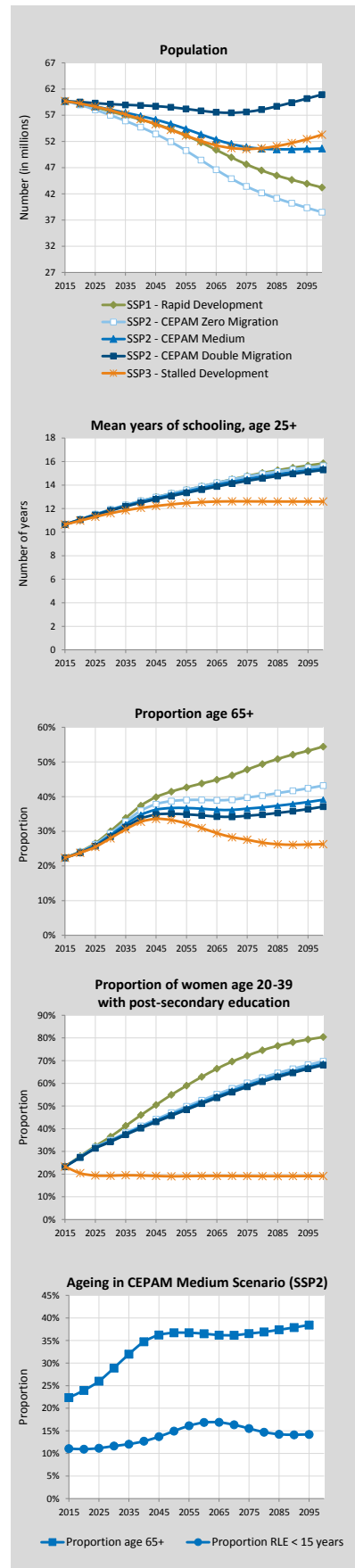
SSP1 - Rapid Development	262.4	298.3	355.1	436.4	458.7	467.5	428.6
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	262.4	301.7	374.0	490.6	532.6	563.3	553.1
SSP2 - CEPAM Double Migration	524.9	596.5	723.8	916.3	977.8	1006.4	947.4
SSP3 - Stalled Development	175.1	102.6	0.3	0.5	0.6	0.7	0.9

Ageing indicators by scenario

	2015	2020	2030	2050	2060	2075	2095
Median age							
SSP1 - Rapid Development	45.9	48.0	52.2	57.6	59.7	63.2	68.1
SSP2 - CEPAM Zero Migration	45.9	48.0	51.8	54.9	55.4	56.0	58.0
SSP2 - CEPAM Medium	45.9	47.9	51.2	53.1	53.2	53.1	54.4
SSP2 - CEPAM Double Migration	45.9	47.8	50.7	51.7	51.7	51.3	52.7
SSP3 - Stalled Development	45.9	47.8	50.4	49.2	46.7	43.6	42.5

Proportion with less than 15 years of remaining life expectancy (RLE)

SSP1 - Rapid Development	11.1%	10.9%	11.6%	14.9%	16.9%	15.5%	14.2%
SSP2 - CEPAM Zero Migration	11.4%	11.6%	12.7%	17.2%	18.4%	15.7%	14.8%
SSP2 - CEPAM Medium	11.4%	11.5%	12.5%	16.2%	16.8%	13.8%	12.8%
SSP2 - CEPAM Double Migration	11.4%	11.5%	12.3%	15.4%	15.6%	12.7%	11.7%
SSP3 - Stalled Development	11.8%	12.2%	13.4%	17.6%	16.9%	13.1%	11.1%



Italy (Continued)

Labour force projections to 2060

Labour force indicators

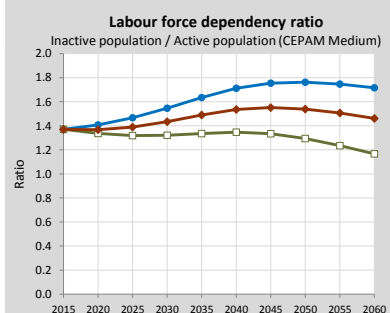
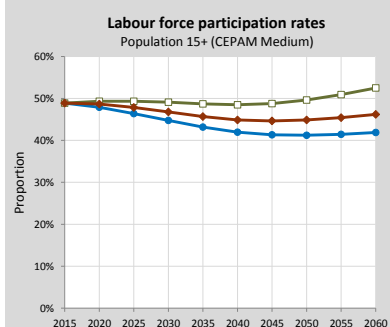
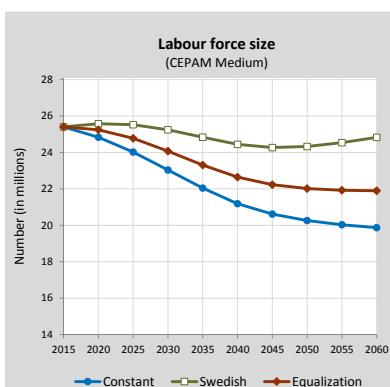
	2015	2020	2030	2040	2050	2060
Labour force size, by participation and migration scenario (in millions)						
Constant (CEPAM Zero Migration)	25.10	24.39	22.21	19.85	18.31	17.24
Constant (CEPAM Medium)	25.10	24.53	22.74	20.88	19.96	19.57
Constant (CEPAM Double Migration)	25.10	24.67	23.25	21.87	21.50	21.68
Swedish (CEPAM Zero Migration)	25.10	25.13	24.37	22.96	22.03	21.59
Swedish (CEPAM Medium)	25.10	25.27	24.94	24.14	24.03	24.53
Swedish (CEPAM Double Migration)	25.10	25.41	25.49	25.26	25.88	27.21
Equalization (CEPAM Zero Migration)	25.10	24.80	23.21	21.21	19.87	18.96
Equalization (CEPAM Medium)	25.10	24.94	23.77	22.34	21.72	21.59
Equalization (CEPAM Double Migration)	25.10	25.08	24.32	23.42	23.43	23.99
Constant (CEPAM Medium-low fertility)	25.10	24.53	22.73	20.75	19.28	17.99
Swedish (CEPAM Medium-low fertility)	25.10	25.27	24.93	23.91	23.00	22.33
Equalization (CEPAM Medium-low fertility)	25.10	24.94	23.77	22.19	21.00	19.90

Labour force participation rates, age 15+, by participation scenario (CEPAM Medium)

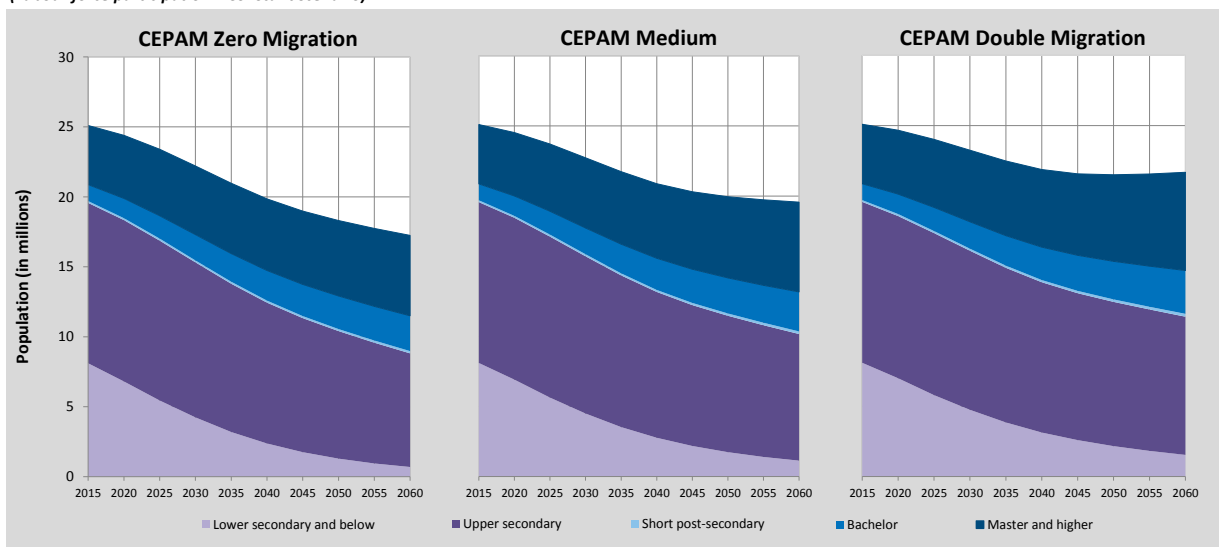
TOTAL (Constant)	48.9%	47.9%	44.8%	42.0%	41.2%	41.9%
TOTAL (Swedish)	48.9%	49.3%	49.1%	48.5%	49.6%	52.5%
TOTAL (Equalization)	48.9%	48.7%	46.8%	44.9%	44.9%	46.2%
MALE (Constant)	58.5%	56.9%	52.5%	48.8%	47.6%	48.0%
MALE (Swedish)	58.5%	57.9%	55.8%	53.9%	54.1%	56.3%
MALE (Equalization)	58.5%	56.9%	52.5%	48.8%	47.6%	48.0%
FEMALE (Constant)	39.9%	39.4%	37.4%	35.5%	35.2%	36.1%
FEMALE (Swedish)	39.9%	41.3%	42.8%	43.4%	45.4%	48.9%
FEMALE (Equalization)	39.9%	41.0%	41.4%	41.2%	42.3%	44.5%

Labour force (15+) by highest level of educational attainment. Columns sum to 100%. (CEPAM Medium; Constant participation)

TOTAL E1-E4 - lower secondary and below	32.3%	28.2%	19.8%	13.2%	8.7%	5.8%
TOTAL E5 - upper secondary	45.7%	47.1%	49.3%	49.8%	48.7%	46.2%
TOTAL E6 - short post-secondary	0.5%	0.6%	0.6%	0.7%	0.8%	0.9%
TOTAL E7 - bachelor	4.7%	5.8%	8.3%	10.8%	12.7%	14.4%
TOTAL E8 - master and higher	16.9%	18.4%	22.0%	25.5%	29.0%	32.7%
MALE E1-E4 - lower secondary and below	37.7%	33.6%	24.8%	17.1%	11.5%	7.7%
MALE E5 - upper secondary	44.8%	46.7%	50.6%	53.1%	53.8%	53.0%
MALE E6 - short post-secondary	0.4%	0.5%	0.5%	0.6%	0.8%	0.9%
MALE E7 - bachelor	3.3%	4.2%	6.2%	8.3%	9.9%	11.3%
MALE E8 - master and higher	13.9%	15.0%	17.8%	20.9%	24.0%	27.1%
FEMALE E1-E4 - lower secondary and below	24.9%	20.7%	13.2%	8.2%	5.2%	3.4%
FEMALE E5 - upper secondary	47.0%	47.6%	47.6%	45.5%	42.2%	37.5%
FEMALE E6 - short post-secondary	0.7%	0.7%	0.8%	0.8%	0.9%	1.0%
FEMALE E7 - bachelor	6.5%	7.9%	10.9%	14.0%	16.3%	18.3%
FEMALE E8 - master and higher	21.0%	23.1%	27.6%	31.4%	35.4%	39.7%



Labour force size by educational attainment according to three migration scenarios, 2015-2060 (Labour force participation = Constant scenario)



Latvia

Detailed Human Capital projections to 2060

Comparison of CEPAM projections with other sources

Demographic indicators - CEPAM Medium Scenario (SSP2), Eurostat and national projections		2015	2020	2030	2040	2050	2060
Population (in millions)	CEPAM	1.99	1.93	1.82	1.72	1.66	1.61
	Eurostat	1.99	1.91	1.74	1.60	1.51	1.43
	National	1.99	1.94	1.92	-	-	-
Proportion age 65+	CEPAM	19.3%	20.1%	21.5%	23.1%	24.1%	25.4%
	Eurostat	19.4%	20.7%	25.3%	29.1%	31.5%	33.2%
	National	19.4%	20.3%	23.1%	-	-	-
Proportion below age 20	CEPAM	19.5%	20.5%	19.9%	18.1%	18.0%	18.3%
	Eurostat	19.4%	20.9%	21.4%	19.6%	20.0%	21.6%
	National	19.4%	20.5%	20.2%	-	-	-
Median age	CEPAM	42.5	43.3	45.1	47.6	47.1	47.9
	Eurostat	42.7	44.0	47.0	50.5	49.3	47.3
	National	42.7	43.5	45.2	-	-	-
Old-age dependency ratio (65+/15-64)	CEPAM	0.29	0.31	0.37	0.41	0.46	0.53
	Eurostat	0.30	0.33	0.43	0.51	0.59	0.66
	National	0.30	0.32	0.37	-	-	-
Young-age dependency ratio (0-14/15-64)	CEPAM	0.23	0.24	0.23	0.21	0.23	0.24
	Eurostat	0.23	0.26	0.28	0.25	0.29	0.32
	National	0.23	0.25	0.24	-	-	-
Parent support ratio (85+/50-64)	CEPAM	0.10	0.11	0.15	0.17	0.27	0.35
	Eurostat	0.10	0.12	0.17	0.21	0.36	0.53
	National	0.10	0.11	0.16	-	-	-

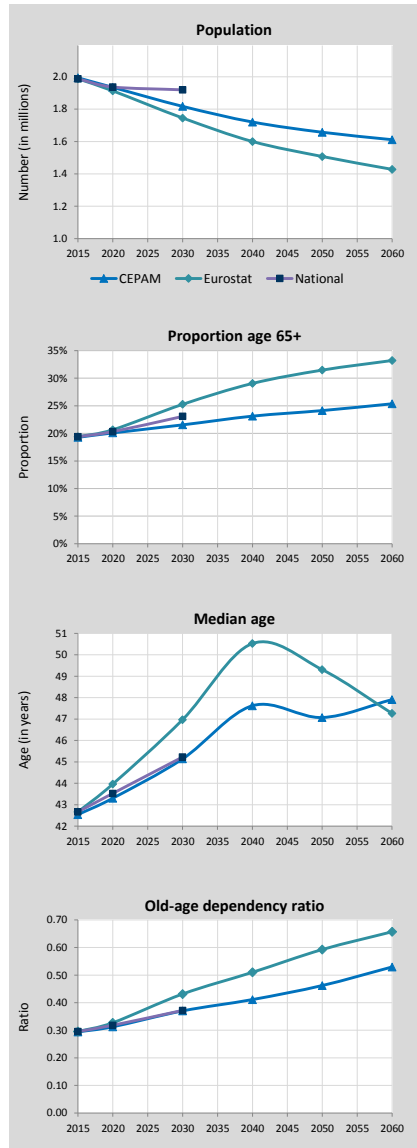
Demographic assumptions underlying projections

		2010-2015	2015-2020	2025-2030	2035-2040	2045-2050	2055-2060	
Total fertility rate	CEPAM	1.51	1.50	1.50	1.51	1.53	1.54	
	Eurostat	1.79	1.84	1.85	1.85	1.85	1.86	
	National	1.69	1.72	1.73	-	-	-	
Life expectancy at birth (in years)								
	Male	CEPAM	69.7	71.0	72.2	74.6	77.1	79.5
		Eurostat	69.9	71.4	72.8	75.5	77.9	80.2
National		69.9	70.9	72.0	-	-	-	
Female	CEPAM	79.4	80.4	81.5	83.6	85.6	87.7	
	Eurostat	79.9	80.9	81.9	83.7	85.3	86.9	
	National	79.8	80.7	81.6	-	-	-	
Five-year net migration flow (in thousands)	CEPAM	-9.3	-4.3	0.4	9.0	15.7	20.4	
	Eurostat	-43.2	-39.6	-33.9	-4.8	2.1	2.6	
	National	-9.9	29.2	48.0	-	-	-	

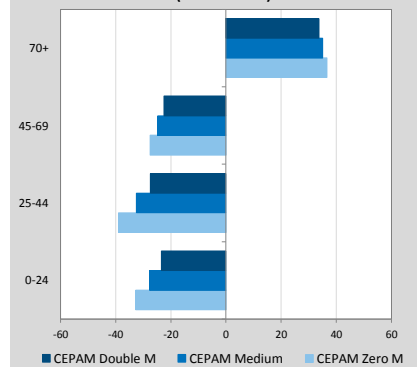
Changes in population size and structure according to CEPAM scenarios (impact of migration)

Population size according to CEPAM projections to 2060

		2015	2020	2030	2040	2050	2060
Population (in millions)	Zero M	1.99	1.94	1.83	1.72	1.63	1.54
	Medium	1.99	1.93	1.82	1.72	1.66	1.61
	Double M	1.99	1.92	1.80	1.72	1.68	1.67
Population 0-24 (in millions)	Zero M	0.51	0.49	0.47	0.41	0.37	0.35
	Medium	0.51	0.48	0.47	0.41	0.38	0.37
	Double M	0.51	0.48	0.46	0.41	0.39	0.39
Population 25-44 (in millions)	Zero M	0.55	0.53	0.44	0.38	0.39	0.34
	Medium	0.55	0.53	0.44	0.39	0.41	0.37
	Double M	0.55	0.52	0.43	0.39	0.43	0.40
Population 45-69 (in millions)	Zero M	0.65	0.65	0.61	0.60	0.52	0.47
	Medium	0.65	0.65	0.61	0.59	0.52	0.49
	Double M	0.65	0.64	0.61	0.59	0.52	0.50
Population 70+ (in millions)	Zero M	0.28	0.28	0.30	0.33	0.35	0.38
	Medium	0.28	0.28	0.30	0.33	0.34	0.38
	Double M	0.28	0.28	0.30	0.33	0.34	0.38

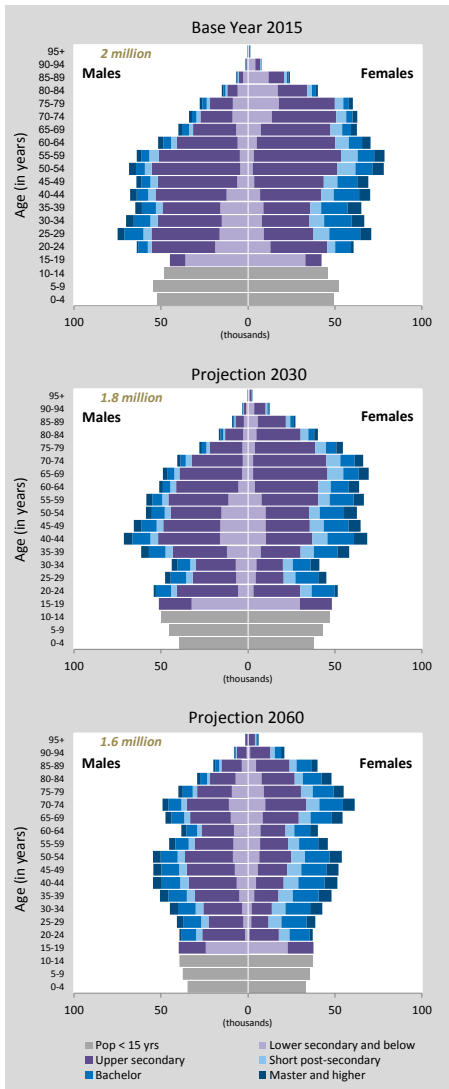


Change in population size between 2015 and 2060 (in % of 2015)



Latvia (Continued)

Pyramids by education, CEPAM Medium

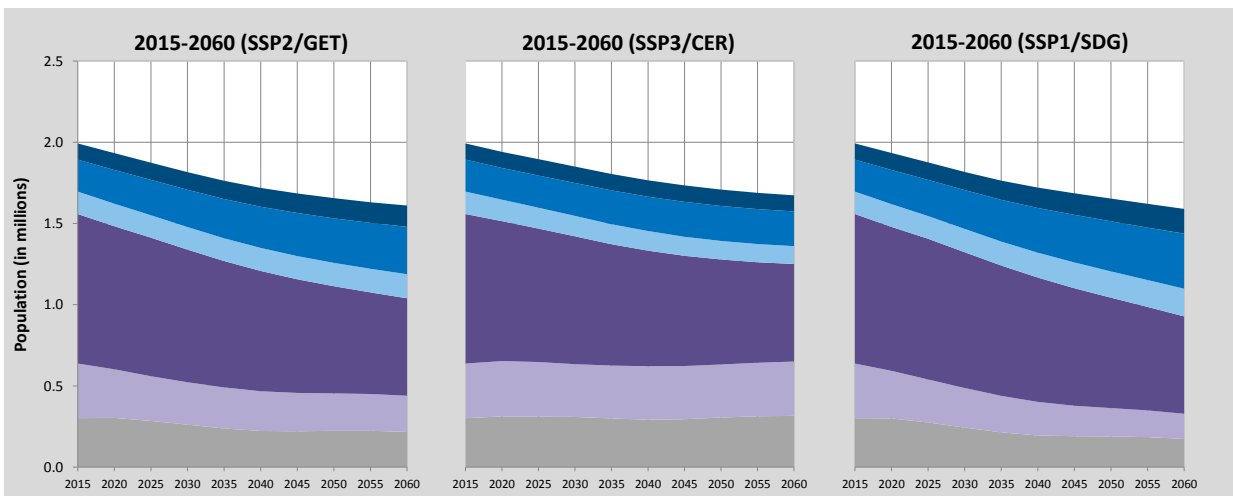


Detailed Human Capital projections to 2060

Human Capital indicators, CEPAM Medium (SSP2)

	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1-E4 - lower secondary and below	15.9%	15.0%	14.1%	14.0%	14.2%	14.0%
E5 - upper secondary	56.3%	55.5%	53.2%	49.6%	45.9%	42.6%
E6 - short post-secondary	8.9%	9.1%	9.5%	10.0%	10.6%	11.2%
E7 - bachelor	12.4%	13.4%	15.4%	17.7%	19.9%	21.9%
E8 - master and higher	6.6%	7.0%	7.8%	8.6%	9.5%	10.3%
Mean years of schooling (in years)	12.33	12.39	12.47	12.54	12.63	12.75
Age gap: highest educational attainment (ratio 35-44/50-64)						
E1-E4 - lower secondary and below	2.58	3.08	1.18	0.79	0.63	0.59
E5 - upper secondary	0.75	0.69	0.84	0.98	0.98	0.96
E6 - short post-secondary	0.82	0.87	1.15	1.17	1.21	1.21
E7 - bachelor	1.65	1.63	1.22	1.13	1.21	1.21
E8 - master and higher	1.25	1.30	1.17	1.12	1.21	1.21
Mean years of schooling (35-44 minus 50-64)	-0.05	-0.16	0.05	0.49	0.82	0.81
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1-E4 - lower secondary and below	1.21	1.34	1.55	1.56	1.45	1.33
E5 - upper secondary	1.14	1.14	1.16	1.22	1.30	1.40
E6 - short post-secondary	0.60	0.58	0.56	0.55	0.55	0.56
E7 - bachelor	0.73	0.71	0.69	0.68	0.68	0.69
E8 - master and higher	0.70	0.68	0.65	0.64	0.64	0.65
Mean years of schooling (male minus female)	-0.41	-0.52	-0.67	-0.73	-0.73	-0.69
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1-E4 - lower secondary and below	15%	13%	10%	8%	6%	5%
E5 - upper secondary	44%	42%	41%	38%	34%	32%
E6 - short post-secondary	11%	12%	14%	15%	17%	18%
E7 - bachelor	22%	23%	26%	29%	31%	33%
E8 - master and higher	9%	9%	9%	11%	12%	13%
Mean years of schooling (in years)	12.83	12.87	13.05	13.36	13.61	13.79
Age gap among women: highest educational attainment (ratio 35-44/50-64)						
E1-E4 - lower secondary and below	2.41	3.10	1.23	0.86	0.62	0.55
E5 - upper secondary	0.72	0.66	0.80	0.92	0.88	0.86
E6 - short post-secondary	0.84	0.92	1.24	1.20	1.23	1.23
E7 - bachelor	1.84	1.67	1.16	1.11	1.23	1.23
E8 - master and higher	1.37	1.37	1.14	1.09	1.23	1.23
Mean years of schooling (35-44 minus 50-64)	0.35	0.12	0.14	0.65	1.04	1.23

Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG



Colour legend as in pyramids above

Education scenarios

SSP2/GET : Global Education Trend Scenario (Medium assumption)

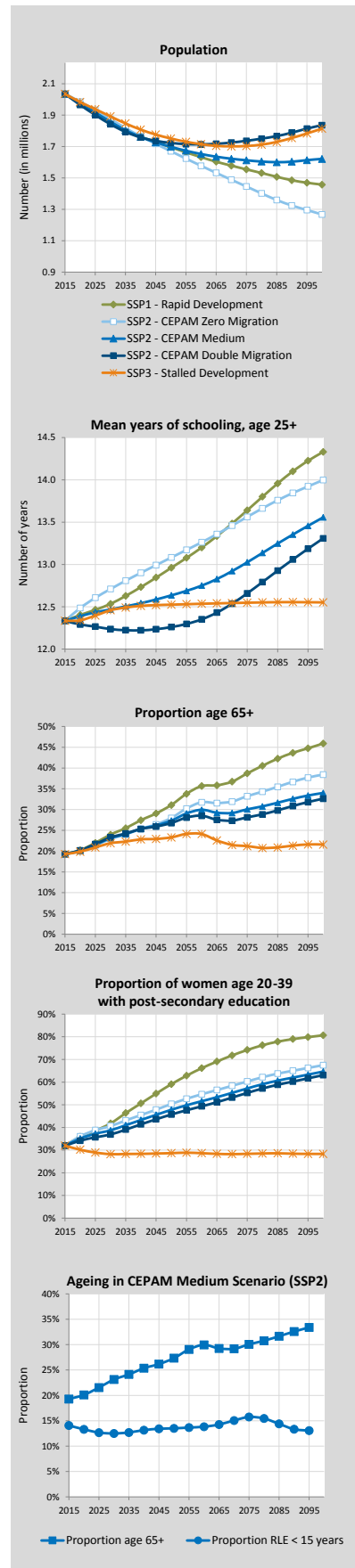
SSP3/CER : Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG : Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

Latvia (Continued)

Alternative scenarios to 2100

Projection results by scenario (SSP1-SSP3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	1.99	1.93	1.82	1.65	1.59	1.51	1.42
SSP2 - CEPAM Zero Migration	1.99	1.94	1.83	1.63	1.54	1.40	1.23
SSP2 - CEPAM Medium	1.99	1.93	1.82	1.66	1.61	1.57	1.58
SSP2 - CEPAM Double Migration	1.99	1.92	1.80	1.68	1.67	1.69	1.79
SSP3 - Stalled Development	1.99	1.94	1.85	1.71	1.67	1.66	1.77
Proportion age 65+							
SSP1 - Rapid Development	19.3%	20.2%	24.0%	31.1%	35.7%	38.7%	45.9%
SSP2 - CEPAM Zero Migration	19.3%	20.0%	22.9%	28.0%	31.8%	33.2%	38.4%
SSP2 - CEPAM Medium	19.3%	20.1%	23.1%	27.3%	30.0%	30.1%	34.0%
SSP2 - CEPAM Double Migration	19.3%	20.2%	23.3%	26.8%	28.5%	28.1%	32.6%
SSP3 - Stalled Development	19.3%	19.9%	21.9%	23.3%	24.1%	21.2%	21.6%
Proportion below age 20							
SSP1 - Rapid Development	19.5%	20.3%	18.9%	15.3%	15.0%	13.4%	12.3%
SSP2 - CEPAM Zero Migration	19.5%	20.5%	20.0%	17.8%	17.8%	16.5%	15.7%
SSP2 - CEPAM Medium	19.5%	20.5%	19.9%	18.0%	18.3%	17.4%	16.8%
SSP2 - CEPAM Double Migration	19.5%	20.5%	19.8%	18.2%	18.7%	17.9%	17.3%
SSP3 - Stalled Development	19.5%	20.9%	22.1%	23.4%	25.0%	25.6%	26.2%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	32.0%	35.9%	41.8%	59.1%	66.1%	74.2%	80.7%
SSP2 - CEPAM Zero Migration	32.0%	36.1%	40.6%	50.3%	54.6%	60.3%	67.5%
SSP2 - CEPAM Medium	32.0%	35.1%	38.7%	47.8%	51.6%	57.2%	64.7%
SSP2 - CEPAM Double Migration	32.0%	34.1%	36.9%	45.7%	49.3%	55.2%	63.1%
SSP3 - Stalled Development	32.0%	30.2%	28.2%	28.7%	28.6%	28.4%	28.3%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	12.3	12.4	12.5	13.0	13.2	13.6	14.3
SSP2 - CEPAM Zero Migration	12.3	12.5	12.7	13.1	13.3	13.6	14.0
SSP2 - CEPAM Medium	12.3	12.4	12.5	12.6	12.8	13.0	13.6
SSP2 - CEPAM Double Migration	12.3	12.3	12.2	12.3	12.4	12.7	13.3
SSP3 - Stalled Development	12.3	12.3	12.5	12.5	12.5	12.5	12.6
Demographic assumptions underlying SSPs							
	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.45	1.40	1.32	1.32	1.33	1.39	1.40
SSP2 - CEPAM Zero Migration	1.50	1.49	1.49	1.52	1.53	1.59	1.61
SSP2 - CEPAM Medium	1.51	1.50	1.50	1.54	1.55	1.59	1.61
SSP2 - CEPAM Double Migration	1.51	1.52	1.51	1.55	1.56	1.60	1.61
SSP3 - Stalled Development	1.64	1.80	1.98	2.13	2.16	2.23	2.27
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	79.9	81.4	84.5	90.7	93.8	98.3	104.6
SSP2 - CEPAM Zero Migration	79.4	80.5	82.6	86.8	88.9	92.1	96.2
SSP2 - CEPAM Medium	79.4	80.4	82.5	86.7	88.7	91.8	96.0
SSP2 - CEPAM Double Migration	79.4	80.4	82.5	86.5	88.6	91.7	95.8
SSP3 - Stalled Development	78.9	79.4	80.5	82.7	83.8	85.4	87.4
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-9.4	-4.8	2.8	13.0	15.3	16.5	13.6
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-9.3	-4.3	4.9	18.3	22.1	25.0	23.4
SSP2 - CEPAM Double Migration	-18.6	-8.2	9.9	32.7	37.2	38.2	29.6
SSP3 - Stalled Development	-6.2	-1.3	0.0	0.0	0.1	0.1	0.1
Ageing indicators by scenario							
	2015	2020	2030	2050	2060	2075	2095
Median age							
SSP1 - Rapid Development	42.5	43.4	45.8	50.8	52.4	56.6	60.0
SSP2 - CEPAM Zero Migration	42.5	43.2	45.0	48.0	49.4	52.2	54.0
SSP2 - CEPAM Medium	42.5	43.3	45.1	47.1	47.9	49.6	50.6
SSP2 - CEPAM Double Migration	42.5	43.4	45.3	46.2	46.9	48.1	49.6
SSP3 - Stalled Development	42.5	43.0	43.9	42.3	41.1	39.7	39.4
Proportion with less than 15 years of remaining life expectancy (RLE)							
SSP1 - Rapid Development	14.1%	13.3%	12.5%	13.5%	13.8%	15.7%	13.1%
SSP2 - CEPAM Zero Migration	14.4%	14.0%	13.7%	14.1%	14.3%	16.2%	15.2%
SSP2 - CEPAM Medium	14.4%	14.0%	13.8%	13.9%	13.6%	14.3%	12.9%
SSP2 - CEPAM Double Migration	14.4%	14.1%	13.9%	13.7%	13.1%	13.1%	12.0%
SSP3 - Stalled Development	14.8%	14.6%	14.9%	14.4%	14.0%	11.8%	10.3%



Latvia (Continued)

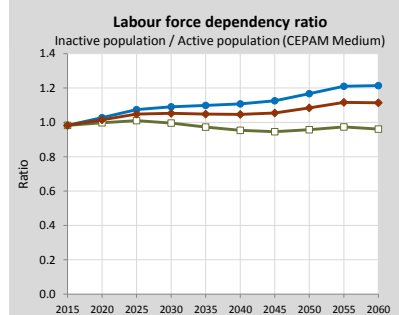
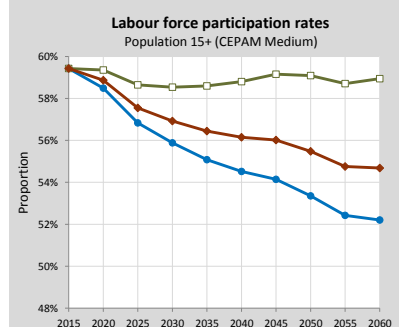
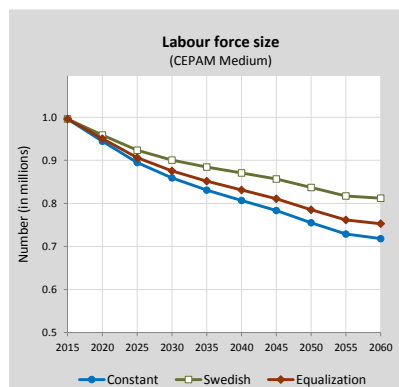
Labour force projections to 2060

Labour force indicators	2015	2020	2030	2040	2050	2060
Labour force size, by participation and migration scenario (in millions)						
Constant (CEPAM Zero Migration)	1.00	0.96	0.88	0.83	0.76	0.69
Constant (CEPAM Medium)	1.00	0.95	0.87	0.82	0.76	0.73
Constant (CEPAM Double Migration)	1.00	0.94	0.85	0.81	0.77	0.76
Swedish (CEPAM Zero Migration)	1.00	0.98	0.93	0.89	0.84	0.78
Swedish (CEPAM Medium)	1.00	0.97	0.91	0.88	0.85	0.82
Swedish (CEPAM Double Migration)	1.00	0.96	0.89	0.87	0.86	0.86
Equalization (CEPAM Zero Migration)	1.00	0.97	0.90	0.85	0.78	0.72
Equalization (CEPAM Medium)	1.00	0.96	0.88	0.84	0.79	0.76
Equalization (CEPAM Double Migration)	1.00	0.95	0.87	0.83	0.80	0.80
Constant (CEPAM Medium-low fertility)	1.00	0.95	0.87	0.81	0.73	0.66
Swedish (CEPAM Medium-low fertility)	1.00	0.97	0.91	0.87	0.81	0.74
Equalization (CEPAM Medium-low fertility)	1.00	0.96	0.88	0.83	0.76	0.69

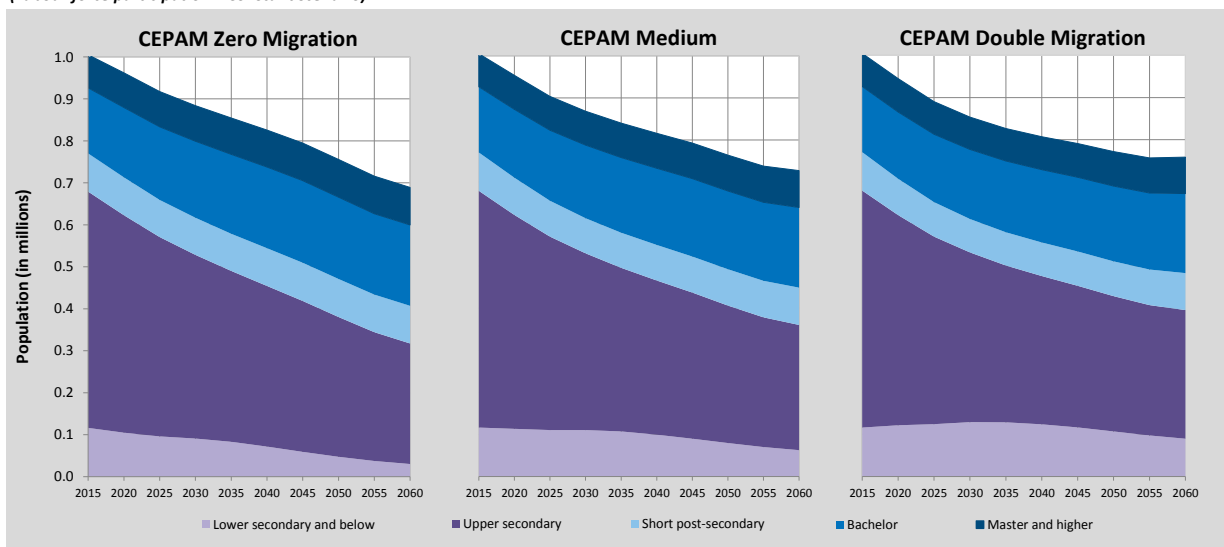
Labour force participation rates, age 15+, by participation scenario (CEPAM Medium)						
TOTAL (Constant)	59.4%	58.5%	55.9%	54.5%	53.4%	52.2%
TOTAL (Swedish)	59.4%	59.4%	58.5%	58.8%	59.1%	58.9%
TOTAL (Equalization)	59.4%	58.9%	56.9%	56.1%	55.5%	54.7%
MALE (Constant)	66.9%	65.9%	62.8%	61.2%	59.7%	57.8%
MALE (Swedish)	66.9%	66.7%	65.4%	65.5%	65.5%	64.6%
MALE (Equalization)	66.9%	65.9%	62.8%	61.2%	59.7%	57.8%
FEMALE (Constant)	53.3%	52.4%	50.1%	48.7%	47.8%	47.2%
FEMALE (Swedish)	53.3%	53.3%	52.8%	53.0%	53.5%	53.8%
FEMALE (Equalization)	53.3%	53.1%	52.0%	51.8%	51.7%	51.9%

Labour force (15+) by highest level of educational attainment. Columns sum to 100%. (CEPAM Medium; Constant participation)

TOTAL E1-E4 - lower secondary and below	11.6%	11.9%	12.7%	12.2%	10.4%	8.6%
TOTAL E5 - upper secondary	56.0%	53.3%	48.4%	44.9%	42.8%	40.9%
TOTAL E6 - short post-secondary	9.1%	9.3%	9.6%	10.4%	11.3%	12.2%
TOTAL E7 - bachelor	15.5%	17.0%	20.0%	22.4%	24.3%	26.2%
TOTAL E8 - master and higher	7.8%	8.5%	9.3%	10.2%	11.2%	12.1%
MALE E1-E4 - lower secondary and below	15.6%	15.8%	16.3%	15.2%	12.8%	10.4%
MALE E5 - upper secondary	61.3%	59.2%	55.3%	52.8%	51.6%	50.6%
MALE E6 - short post-secondary	6.3%	6.4%	6.7%	7.2%	7.9%	8.7%
MALE E7 - bachelor	11.2%	12.5%	14.9%	17.2%	19.1%	20.9%
MALE E8 - master and higher	5.6%	6.1%	6.7%	7.6%	8.6%	9.4%
FEMALE E1-E4 - lower secondary and below	7.4%	7.8%	8.9%	8.9%	7.9%	6.6%
FEMALE E5 - upper secondary	50.6%	47.2%	41.0%	36.3%	33.0%	30.3%
FEMALE E6 - short post-secondary	11.9%	12.2%	12.8%	13.8%	15.0%	16.1%
FEMALE E7 - bachelor	19.9%	21.8%	25.4%	28.0%	30.1%	32.0%
FEMALE E8 - master and higher	10.1%	11.0%	12.0%	13.0%	14.1%	15.0%



Labour force size by educational attainment according to three migration scenarios, 2015-2060 (Labour force participation = Constant scenario)



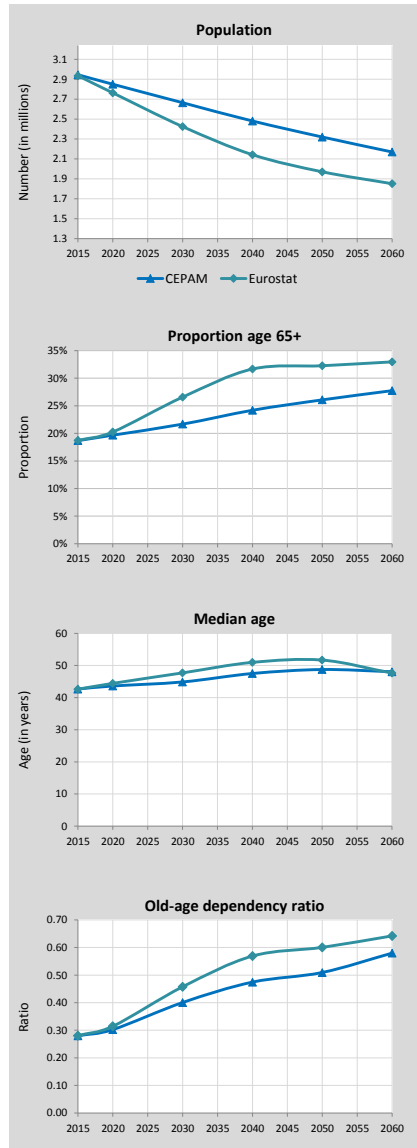
Lithuania

Detailed Human Capital projections to 2060

Comparison of CEPAM projections with other sources

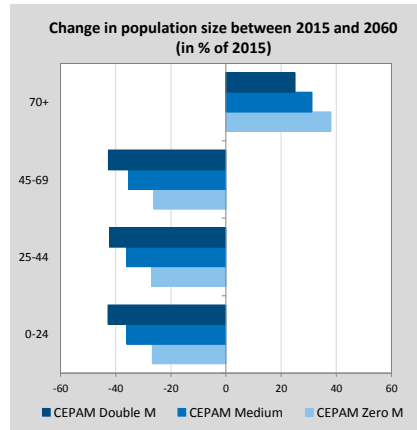
Demographic indicators - CEPAM Medium Scenario (SSP2), Eurostat and national projections		2015	2020	2030	2040	2050	2060
Population (in millions)	CEPAM	2.93	2.84	2.65	2.47	2.31	2.16
	Eurostat	2.92	2.75	2.41	2.13	1.96	1.84
	National	-	-	-	-	-	-
Proportion age 65+	CEPAM	18.7%	19.7%	21.7%	24.2%	26.1%	27.7%
	Eurostat	18.7%	20.3%	26.6%	31.7%	32.3%	33.0%
	National	-	-	-	-	-	-
Proportion below age 20	CEPAM	20.4%	20.1%	20.9%	19.4%	18.5%	19.1%
	Eurostat	20.4%	20.0%	20.6%	18.1%	18.0%	20.5%
	National	-	-	-	-	-	-
Median age	CEPAM	42.7	43.6	44.9	47.5	48.8	48.1
	Eurostat	42.6	44.4	47.7	51.0	51.7	47.6
	National	-	-	-	-	-	-
Old-age dependency ratio (65+/15-64)	CEPAM	0.28	0.30	0.40	0.47	0.51	0.58
	Eurostat	0.28	0.31	0.46	0.57	0.60	0.64
	National	-	-	-	-	-	-
Young-age dependency ratio (0-14/15-64)	CEPAM	0.22	0.23	0.26	0.24	0.24	0.26
	Eurostat	0.22	0.24	0.26	0.23	0.26	0.31
	National	-	-	-	-	-	-
Parent support ratio (85+/50-64)	CEPAM	0.10	0.12	0.16	0.22	0.34	0.47
	Eurostat	0.10	0.12	0.18	0.24	0.38	0.57
	National	-	-	-	-	-	-

Demographic assumptions underlying projections		2010-2015	2015-2020	2025-2030	2035-2040	2045-2050	2055-2060	
Total fertility rate	CEPAM	1.61	1.63	1.63	1.68	1.69	1.70	
	Eurostat	1.69	1.73	1.75	1.78	1.80	1.82	
	National	-	-	-	-	-	-	
Life expectancy at birth (in years)								
	Male	CEPAM	69.4	70.7	71.9	74.4	76.9	79.4
		Eurostat	70.0	71.6	73.0	75.6	78.1	80.3
National	-	-	-	-	-	-		
Female	CEPAM	80.0	81.0	82.0	84.1	86.1	88.2	
	Eurostat	80.4	81.4	82.3	84.1	85.6	87.1	
National	-	-	-	-	-	-		
Five-year net migration flow (in thousands)	CEPAM	-35.3	-31.0	-27.0	-19.3	-12.3	-6.6	
	Eurostat	-122.6	-114.0	-97.2	-23.9	-5.1	4.8	
	National	-	-	-	-	-	-	



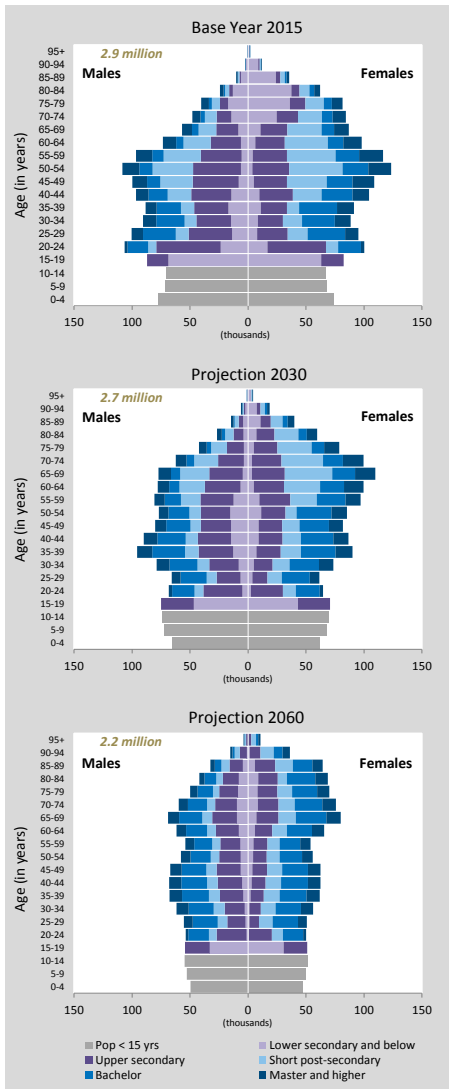
Changes in population size and structure according to CEPAM scenarios (impact of migration)

Population size according to CEPAM projections to 2060		2015	2020	2030	2040	2050	2060
Population (in millions)	Zero M	2.93	2.87	2.76	2.64	2.53	2.41
	Medium	2.93	2.84	2.65	2.47	2.31	2.16
	Double M	2.93	2.80	2.54	2.31	2.12	1.96
Population 0-24 (in millions)	Zero M	0.80	0.75	0.72	0.68	0.62	0.59
	Medium	0.80	0.73	0.69	0.62	0.55	0.52
	Double M	0.80	0.72	0.65	0.57	0.49	0.46
Population 25-44 (in millions)	Zero M	0.76	0.75	0.70	0.59	0.58	0.55
	Medium	0.76	0.73	0.64	0.53	0.52	0.48
	Double M	0.76	0.71	0.59	0.47	0.47	0.44
Population 45-69 (in millions)	Zero M	0.97	0.97	0.89	0.84	0.78	0.72
	Medium	0.97	0.97	0.87	0.79	0.70	0.63
	Double M	0.97	0.96	0.85	0.75	0.63	0.56
Population 70+ (in millions)	Zero M	0.40	0.40	0.46	0.53	0.55	0.56
	Medium	0.40	0.40	0.45	0.53	0.54	0.53
	Double M	0.40	0.40	0.45	0.53	0.53	0.50



Lithuania (Continued)

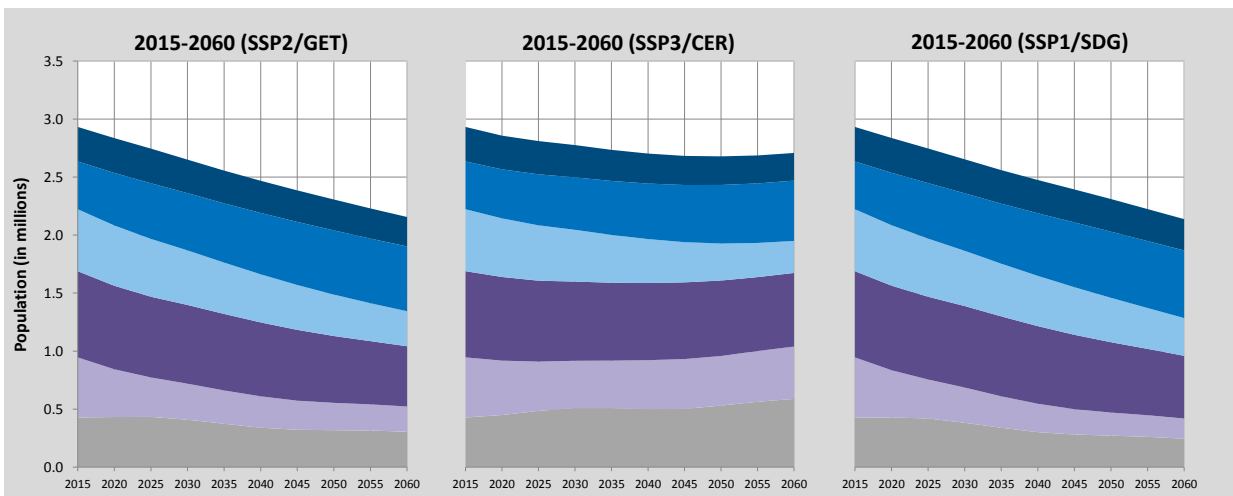
Pyramids by education, CEPAM Medium



Detailed Human Capital projections to 2060

Human Capital indicators, CEPAM Medium (SSP2)		2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)							
E1-E4 - lower secondary and below		16.3%	14.0%	10.9%	9.8%	9.5%	9.3%
E5 - upper secondary		28.1%	28.4%	28.6%	28.1%	27.2%	26.3%
E6 - short post-secondary		24.2%	23.9%	23.0%	21.3%	19.2%	17.4%
E7 - bachelor		17.6%	19.7%	23.1%	26.2%	29.2%	31.9%
E8 - master and higher		13.7%	14.0%	14.5%	14.6%	14.8%	15.2%
Mean years of schooling (in years)		12.98	13.21	13.51	13.62	13.69	13.75
Age gap: highest educational attainment (ratio 35-44/50-64)							
E1-E4 - lower secondary and below		2.68	2.98	1.04	0.66	0.63	0.55
E5 - upper secondary		0.98	0.92	0.90	0.96	0.95	0.92
E6 - short post-secondary		0.50	0.40	0.71	1.15	1.09	1.10
E7 - bachelor		1.89	1.95	1.36	1.09	1.10	1.11
E8 - master and higher		0.82	0.88	1.06	1.11	1.10	1.11
Mean years of schooling (35-44 minus 50-64)		-0.39	-0.34	0.28	0.51	0.46	0.53
Gender gap (population age 25+): highest educational attainment (ratio male/female)							
E1-E4 - lower secondary and below		0.94	1.07	1.40	1.59	1.54	1.43
E5 - upper secondary		1.42	1.40	1.37	1.37	1.39	1.41
E6 - short post-secondary		0.86	0.82	0.75	0.71	0.69	0.68
E7 - bachelor		0.79	0.81	0.84	0.87	0.88	0.89
E8 - master and higher		0.91	0.87	0.84	0.83	0.85	0.87
Mean years of schooling (male minus female)		-0.01	-0.21	-0.48	-0.55	-0.52	-0.46
Women age 20-39: highest educational attainment (columns sum to 100%)							
E1-E4 - lower secondary and below		12%	10%	6%	5%	3%	2%
E5 - upper secondary		32%	29%	27%	26%	24%	23%
E6 - short post-secondary		14%	17%	19%	20%	21%	22%
E7 - bachelor		30%	32%	35%	36%	38%	39%
E8 - master and higher		11%	12%	13%	13%	14%	15%
Mean years of schooling (in years)		13.42	13.62	13.91	14.02	14.19	14.29
Age gap among women: highest educational attainment (ratio 35-44/50-64)							
E1-E4 - lower secondary and below		2.58	3.05	1.01	0.65	0.60	0.50
E5 - upper secondary		1.02	0.96	0.90	0.91	0.88	0.86
E6 - short post-secondary		0.49	0.42	0.84	1.24	1.10	1.11
E7 - bachelor		1.84	1.81	1.22	1.04	1.10	1.11
E8 - master and higher		0.88	0.91	1.01	1.08	1.10	1.11
Mean years of schooling (35-44 minus 50-64)		-0.17	-0.21	0.26	0.58	0.58	0.64

Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG



Colour legend as in pyramids above

Education scenarios

SSP2/GET : Global Education Trend Scenario (Medium assumption)

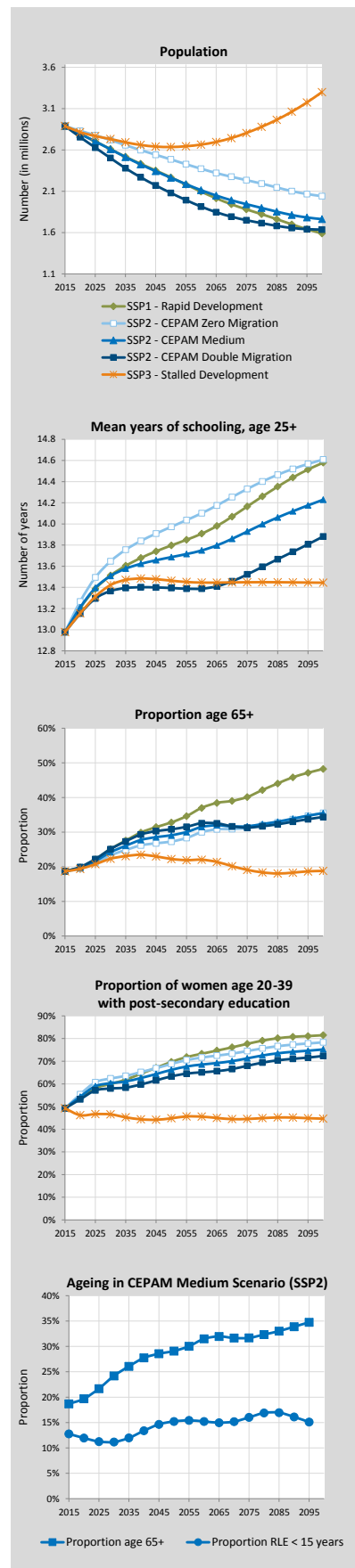
SSP3/CER : Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG : Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

Lithuania (Continued)

Alternative scenarios to 2100

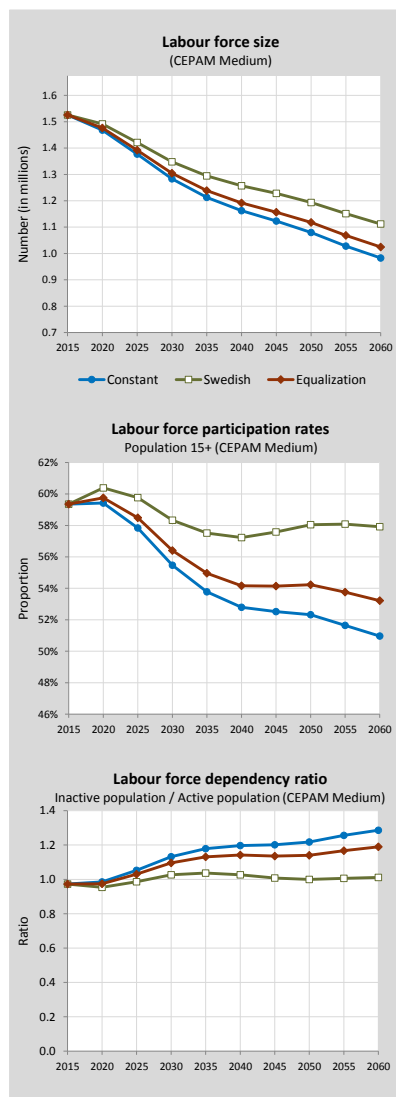
Projection results by scenario (SSP1-SSP3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	2.93	2.84	2.65	2.31	2.14	1.92	1.63
SSP2 - CEPAM Zero Migration	2.93	2.87	2.76	2.53	2.42	2.28	2.08
SSP2 - CEPAM Medium	2.93	2.84	2.65	2.31	2.16	1.99	1.81
SSP2 - CEPAM Double Migration	2.93	2.80	2.55	2.12	1.96	1.79	1.68
SSP3 - Stalled Development	2.93	2.86	2.78	2.68	2.71	2.85	3.34
Proportion age 65+							
SSP1 - Rapid Development	18.7%	19.8%	25.1%	32.8%	37.0%	40.1%	48.3%
SSP2 - CEPAM Zero Migration	18.7%	19.4%	23.3%	27.3%	30.0%	31.2%	35.6%
SSP2 - CEPAM Medium	18.7%	19.7%	24.2%	29.1%	31.5%	31.7%	35.5%
SSP2 - CEPAM Double Migration	18.7%	19.9%	25.1%	30.8%	32.6%	31.3%	34.4%
SSP3 - Stalled Development	18.7%	19.4%	22.3%	22.2%	22.0%	19.1%	18.8%
Proportion below age 20							
SSP1 - Rapid Development	20.4%	19.9%	19.9%	15.9%	15.6%	13.7%	12.2%
SSP2 - CEPAM Zero Migration	20.4%	20.1%	21.2%	19.1%	19.5%	18.3%	17.4%
SSP2 - CEPAM Medium	20.4%	20.1%	20.9%	18.5%	19.1%	17.9%	17.3%
SSP2 - CEPAM Double Migration	20.4%	20.0%	20.6%	18.0%	18.8%	17.8%	17.4%
SSP3 - Stalled Development	20.4%	20.5%	23.7%	25.8%	28.2%	28.9%	29.6%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	49.2%	53.9%	60.0%	69.7%	73.3%	77.7%	81.5%
SSP2 - CEPAM Zero Migration	49.2%	55.4%	62.4%	68.8%	71.6%	74.5%	78.3%
SSP2 - CEPAM Medium	49.2%	54.3%	60.3%	66.2%	68.5%	71.3%	75.2%
SSP2 - CEPAM Double Migration	49.2%	53.2%	58.0%	63.3%	65.1%	68.0%	72.3%
SSP3 - Stalled Development	49.2%	46.2%	46.6%	44.8%	45.6%	44.5%	44.7%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	13.0	13.2	13.5	13.8	13.9	14.2	14.6
SSP2 - CEPAM Zero Migration	13.0	13.3	13.6	14.0	14.1	14.3	14.6
SSP2 - CEPAM Medium	13.0	13.2	13.5	13.7	13.7	13.9	14.2
SSP2 - CEPAM Double Migration	13.0	13.2	13.4	13.4	13.4	13.5	13.9
SSP3 - Stalled Development	13.0	13.2	13.4	13.5	13.4	13.4	13.4
Demographic assumptions underlying SSPs							
	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.56	1.53	1.46	1.48	1.48	1.49	1.49
SSP2 - CEPAM Zero Migration	1.61	1.62	1.63	1.69	1.69	1.70	1.71
SSP2 - CEPAM Medium	1.61	1.63	1.64	1.70	1.70	1.71	1.72
SSP2 - CEPAM Double Migration	1.62	1.64	1.65	1.71	1.72	1.72	1.73
SSP3 - Stalled Development	1.77	1.99	2.21	2.43	2.46	2.49	2.52
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	80.5	82.0	85.0	91.2	94.2	98.8	104.9
SSP2 - CEPAM Zero Migration	80.0	81.0	83.1	87.2	89.3	92.4	96.5
SSP2 - CEPAM Medium	80.0	81.0	83.1	87.2	89.2	92.3	96.4
SSP2 - CEPAM Double Migration	80.0	81.0	83.0	87.1	89.1	92.2	96.3
SSP3 - Stalled Development	79.5	80.0	81.0	83.1	84.2	85.7	87.8
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-35.5	-31.4	-24.7	-12.9	-8.6	-4.7	-2.3
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-35.3	-31.0	-23.1	-9.2	-4.3	0.6	3.3
SSP2 - CEPAM Double Migration	-70.7	-60.3	-41.6	-10.7	-0.5	8.4	10.7
SSP3 - Stalled Development	-23.5	-10.4	0.0	0.0	0.0	0.0	0.0
Ageing indicators by scenario							
	2015	2020	2030	2050	2060	2075	2095
Median age							
SSP1 - Rapid Development	42.7	43.8	45.7	52.4	53.4	57.3	62.2
SSP2 - CEPAM Zero Migration	42.7	43.2	44.0	47.4	47.3	49.7	51.1
SSP2 - CEPAM Medium	42.7	43.6	44.9	48.8	48.1	50.2	51.1
SSP2 - CEPAM Double Migration	42.7	44.0	46.0	50.0	48.5	50.0	50.3
SSP3 - Stalled Development	42.7	43.2	42.8	39.8	37.7	36.2	35.7
Proportion with less than 15 years of remaining life expectancy (RLE)							
SSP1 - Rapid Development	12.8%	11.9%	11.2%	15.2%	15.2%	16.0%	15.1%
SSP2 - CEPAM Zero Migration	13.2%	12.6%	12.0%	13.9%	13.1%	14.8%	13.0%
SSP2 - CEPAM Medium	13.2%	12.7%	12.4%	15.1%	14.3%	15.5%	13.1%
SSP2 - CEPAM Double Migration	13.2%	12.9%	12.9%	16.3%	15.4%	15.8%	12.5%
SSP3 - Stalled Development	13.6%	13.4%	13.5%	13.4%	11.4%	10.7%	7.8%



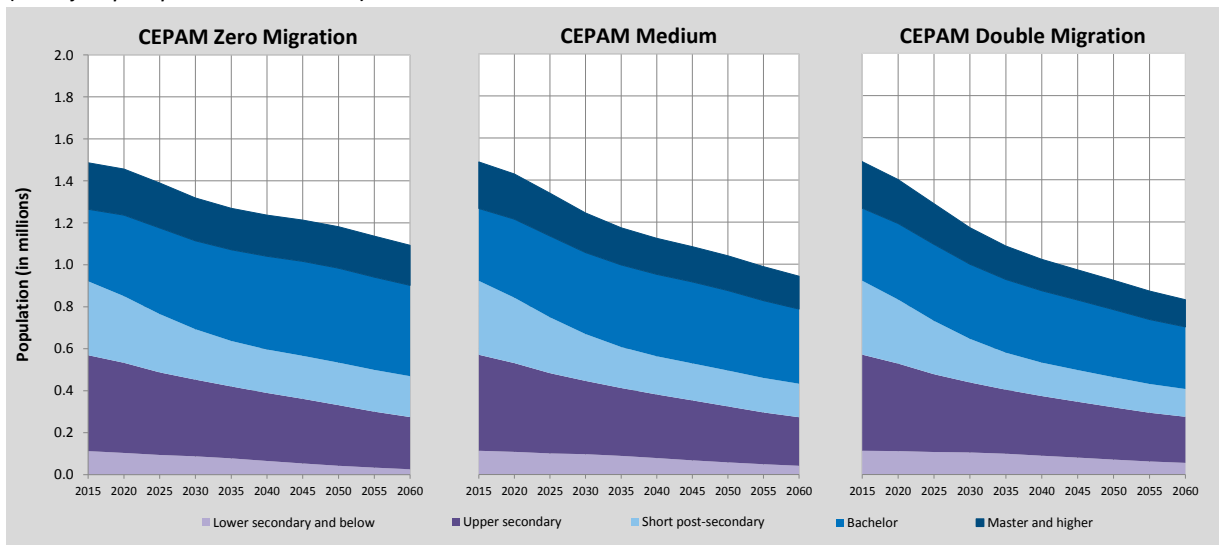
Lithuania (Continued)

Labour force projections to 2060

Labour force indicators	2015	2020	2030	2040	2050	2060
Labour force size, by participation and migration scenario (in millions)						
Constant (CEPAM Zero Migration)	1.49	1.46	1.32	1.24	1.18	1.09
Constant (CEPAM Medium)	1.49	1.43	1.24	1.12	1.04	0.94
Constant (CEPAM Double Migration)	1.49	1.40	1.17	1.02	0.92	0.83
Swedish (CEPAM Zero Migration)	1.49	1.48	1.38	1.33	1.30	1.23
Swedish (CEPAM Medium)	1.49	1.45	1.31	1.22	1.15	1.07
Swedish (CEPAM Double Migration)	1.49	1.42	1.24	1.11	1.03	0.95
Equalization (CEPAM Zero Migration)	1.49	1.46	1.34	1.27	1.22	1.14
Equalization (CEPAM Medium)	1.49	1.44	1.26	1.15	1.08	0.98
Equalization (CEPAM Double Migration)	1.49	1.41	1.19	1.05	0.96	0.87
Constant (CEPAM Medium-low fertility)	1.49	1.43	1.24	1.11	0.99	0.85
Swedish (CEPAM Medium-low fertility)	1.49	1.45	1.31	1.20	1.10	0.96
Equalization (CEPAM Medium-low fertility)	1.49	1.44	1.26	1.14	1.03	0.89
Labour force participation rates, age 15+, by participation scenario (CEPAM Medium)						
TOTAL (Constant)	59.3%	59.4%	55.5%	52.8%	52.3%	51.0%
TOTAL (Swedish)	59.3%	60.4%	58.3%	57.2%	58.0%	57.9%
TOTAL (Equalization)	59.3%	59.8%	56.4%	54.2%	54.2%	53.2%
MALE (Constant)	65.4%	65.6%	61.7%	59.2%	58.9%	56.9%
MALE (Swedish)	65.4%	66.6%	64.6%	63.9%	64.9%	64.3%
MALE (Equalization)	65.4%	65.6%	61.7%	59.2%	58.9%	56.9%
FEMALE (Constant)	54.4%	54.3%	50.3%	47.4%	46.6%	45.6%
FEMALE (Swedish)	54.4%	55.2%	53.1%	51.6%	52.1%	52.2%
FEMALE (Equalization)	54.4%	54.9%	52.0%	49.9%	50.2%	49.9%
Labour force (15+) by highest level of educational attainment. Columns sum to 100% (CEPAM Medium; Constant participation)						
TOTAL E1-E4 - lower secondary and below	7.6%	7.5%	7.8%	7.0%	5.6%	4.4%
TOTAL E5 - upper secondary	30.7%	29.5%	28.0%	26.9%	25.6%	24.5%
TOTAL E6 - short post-secondary	23.7%	21.8%	17.9%	16.2%	16.4%	16.9%
TOTAL E7 - bachelor	23.1%	26.1%	31.2%	34.7%	36.5%	37.6%
TOTAL E8 - master and higher	14.9%	15.0%	15.1%	15.2%	15.9%	16.6%
MALE E1-E4 - lower secondary and below	10.1%	9.9%	10.0%	9.0%	7.2%	5.7%
MALE E5 - upper secondary	36.5%	35.2%	33.3%	32.2%	30.9%	29.9%
MALE E6 - short post-secondary	21.3%	19.4%	15.5%	13.3%	13.3%	13.7%
MALE E7 - bachelor	19.1%	22.3%	27.6%	31.6%	33.9%	35.2%
MALE E8 - master and higher	13.0%	13.2%	13.6%	13.9%	14.7%	15.5%
FEMALE E1-E4 - lower secondary and below	5.1%	5.2%	5.5%	4.8%	3.8%	3.0%
FEMALE E5 - upper secondary	25.0%	23.9%	22.6%	21.3%	19.7%	18.4%
FEMALE E6 - short post-secondary	26.1%	24.1%	20.4%	19.2%	19.8%	20.4%
FEMALE E7 - bachelor	27.1%	30.0%	34.8%	38.0%	39.4%	40.4%
FEMALE E8 - master and higher	16.7%	16.8%	16.7%	16.7%	17.3%	17.8%



Labour force size by educational attainment according to three migration scenarios, 2015-2060 (Labour force participation = Constant scenario)



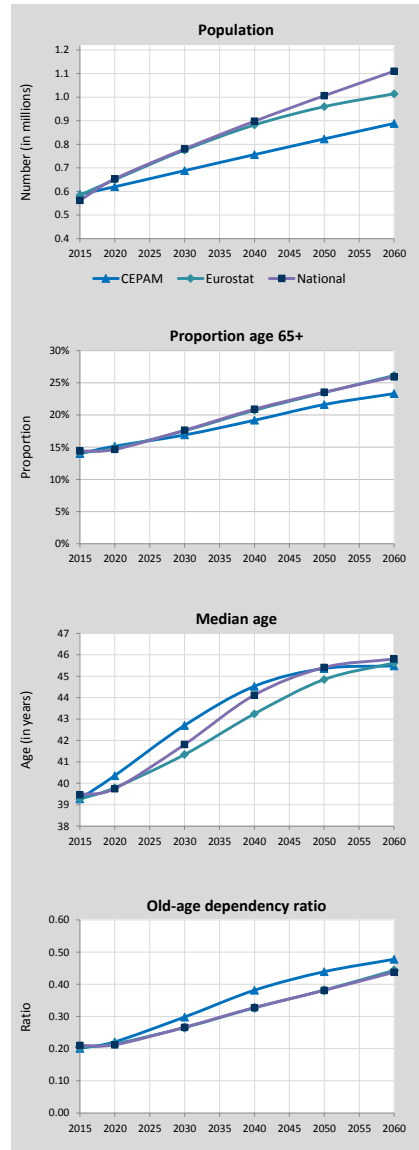
Luxembourg

Detailed Human Capital projections to 2060

Comparison of CEPAM projections with other sources

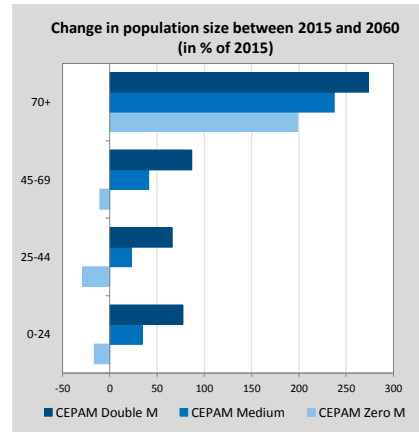
Demographic indicators - CEPAM Medium Scenario (SSP2), Eurostat and national projections		2015	2020	2030	2040	2050	2060
Population (in millions)	CEPAM	0.57	0.60	0.67	0.73	0.80	0.87
	Eurostat	0.56	0.63	0.75	0.86	0.94	0.99
	National	0.54	0.63	0.76	0.88	0.98	1.09
Proportion age 65+	CEPAM	14.0%	15.2%	16.9%	19.2%	21.6%	23.3%
	Eurostat	14.2%	14.8%	17.6%	20.7%	23.5%	26.1%
	National	14.4%	14.6%	17.6%	20.9%	23.5%	25.9%
Proportion below age 20	CEPAM	22.4%	21.7%	21.7%	20.9%	20.2%	20.3%
	Eurostat	22.4%	21.5%	21.4%	21.1%	20.2%	19.9%
	National	22.9%	21.5%	21.3%	20.5%	19.6%	19.6%
Median age	CEPAM	39.3	40.4	42.7	44.5	45.4	45.5
	Eurostat	39.3	39.8	41.3	43.2	44.8	45.6
	National	39.5	39.7	41.8	44.1	45.4	45.8
Old-age dependency ratio (65+/15-64)	CEPAM	0.20	0.22	0.30	0.38	0.44	0.48
	Eurostat	0.21	0.22	0.27	0.33	0.38	0.44
	National	0.21	0.21	0.27	0.33	0.38	0.44
Young-age dependency ratio (0-14/15-64)	CEPAM	0.24	0.24	0.26	0.25	0.26	0.27
	Eurostat	0.24	0.24	0.25	0.25	0.24	0.25
	National	0.25	0.24	0.25	0.24	0.24	0.25
Parent support ratio (85+/50-64)	CEPAM	0.10	0.10	0.11	0.17	0.28	0.39
	Eurostat	0.10	0.11	0.12	0.15	0.22	0.29
	National	0.09	0.10	0.10	0.14	0.20	0.26

Demographic assumptions underlying projections		2010-2015	2015-2020	2025-2030	2035-2040	2045-2050	2055-2060	
Total fertility rate	CEPAM	1.63	1.70	1.72	1.78	1.80	1.81	
	Eurostat	1.50	1.55	1.56	1.59	1.62	1.65	
	National	1.53	1.59	1.62	1.66	1.69	1.71	
Life expectancy at birth (in years)	Male	CEPAM	79.8	80.9	81.9	83.9	86.0	88.0
		Eurostat	79.5	80.4	81.1	82.5	83.8	85.0
		National	80.8	81.5	82.3	83.7	84.9	86.3
Female	CEPAM	84.1	85.2	86.2	88.2	90.3	92.4	
	Eurostat	84.9	85.6	86.3	87.5	88.7	89.7	
	National	85.2	85.8	86.5	87.8	88.9	90.3	
Five-year net migration flow (in thousands)	CEPAM	19.4	20.5	21.6	23.3	24.6	25.4	
	Eurostat	53.8	49.7	46.1	33.0	28.0	23.0	
	National	53.7	49.3	47.0	44.6	45.0	46.9	



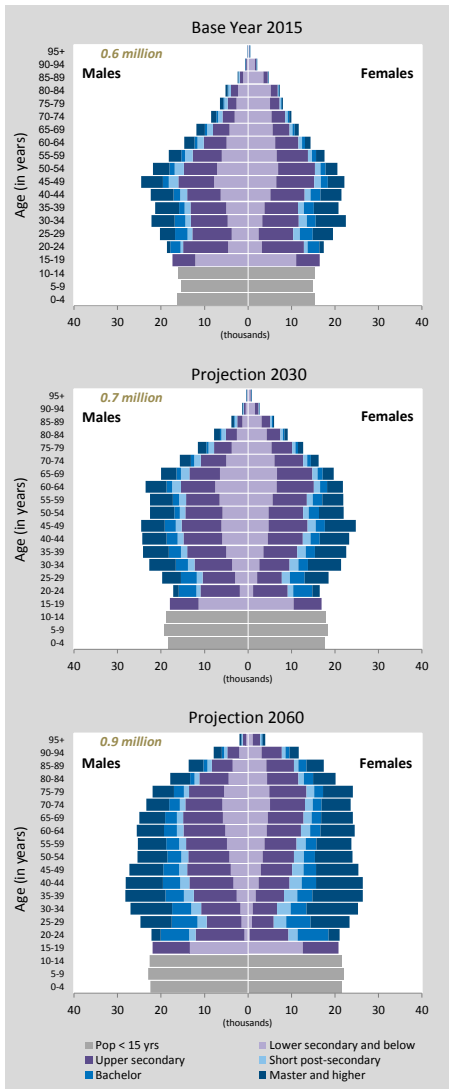
Changes in population size and structure according to CEPAM scenarios (impact of migration)

Population size according to CEPAM projections to 2060		2015	2020	2030	2040	2050	2060
Population (in millions)	Zero M	0.57	0.58	0.59	0.60	0.60	0.58
	Medium	0.57	0.60	0.67	0.73	0.80	0.87
	Double M	0.57	0.62	0.74	0.86	0.99	1.11
Population 0-24 (in millions)	Zero M	0.16	0.16	0.16	0.15	0.14	0.14
	Medium	0.16	0.17	0.18	0.19	0.20	0.22
	Double M	0.16	0.17	0.20	0.23	0.26	0.29
Population 25-44 (in millions)	Zero M	0.17	0.16	0.14	0.13	0.13	0.12
	Medium	0.17	0.17	0.18	0.18	0.19	0.21
	Double M	0.17	0.19	0.21	0.23	0.25	0.28
Population 45-69 (in millions)	Zero M	0.18	0.19	0.21	0.20	0.18	0.16
	Medium	0.18	0.20	0.22	0.23	0.24	0.25
	Double M	0.18	0.20	0.24	0.27	0.31	0.33
Population 70+ (in millions)	Zero M	0.06	0.06	0.09	0.13	0.15	0.17
	Medium	0.06	0.06	0.09	0.13	0.16	0.19
	Double M	0.06	0.06	0.09	0.13	0.17	0.21



Luxembourg (Continued)

Pyramids by education, CEPAM Medium



Detailed Human Capital projections to 2060

Human Capital indicators, CEPAM Medium (SSP2)

	2015	2020	2030	2040	2050	2060
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Population age 25+: highest educational attainment (columns sum to 100%)

E1-E4 - lower secondary and below	31.5%	29.6%	25.7%	22.5%	19.2%	16.0%
E5 - upper secondary	36.3%	36.1%	36.0%	35.5%	34.5%	33.1%
E6 - short post-secondary	7.3%	7.3%	7.3%	7.4%	7.7%	8.1%
E7 - bachelor	7.1%	7.7%	8.8%	9.9%	11.1%	12.2%
E8 - master and higher	17.8%	19.3%	22.2%	24.8%	27.6%	30.6%
Mean years of schooling (in years)	12.66	12.82	13.18	13.51	13.88	14.25

Age gap: highest educational attainment (ratio 35-44/50-64)

E1-E4 - lower secondary and below	0.66	0.64	0.74	0.70	0.61	0.54
E5 - upper secondary	0.97	0.99	0.99	0.96	0.94	0.90
E6 - short post-secondary	0.82	0.83	1.02	1.22	1.24	1.24
E7 - bachelor	1.70	1.60	1.32	1.25	1.24	1.24
E8 - master and higher	1.76	1.62	1.23	1.19	1.24	1.24
Mean years of schooling (35-44 minus 50-64)	1.59	1.36	0.87	0.96	1.20	1.22

Gender gap (population age 25+): highest educational attainment (ratio male/female)

E1-E4 - lower secondary and below	0.89	0.93	1.01	1.08	1.13	1.16
E5 - upper secondary	0.99	0.99	1.01	1.05	1.11	1.18
E6 - short post-secondary	1.36	1.23	1.04	0.91	0.81	0.75
E7 - bachelor	0.90	0.93	0.99	1.03	1.06	1.10
E8 - master and higher	1.16	1.08	0.96	0.89	0.84	0.80
Mean years of schooling (male minus female)	0.44	0.28	0.02	-0.17	-0.32	-0.43

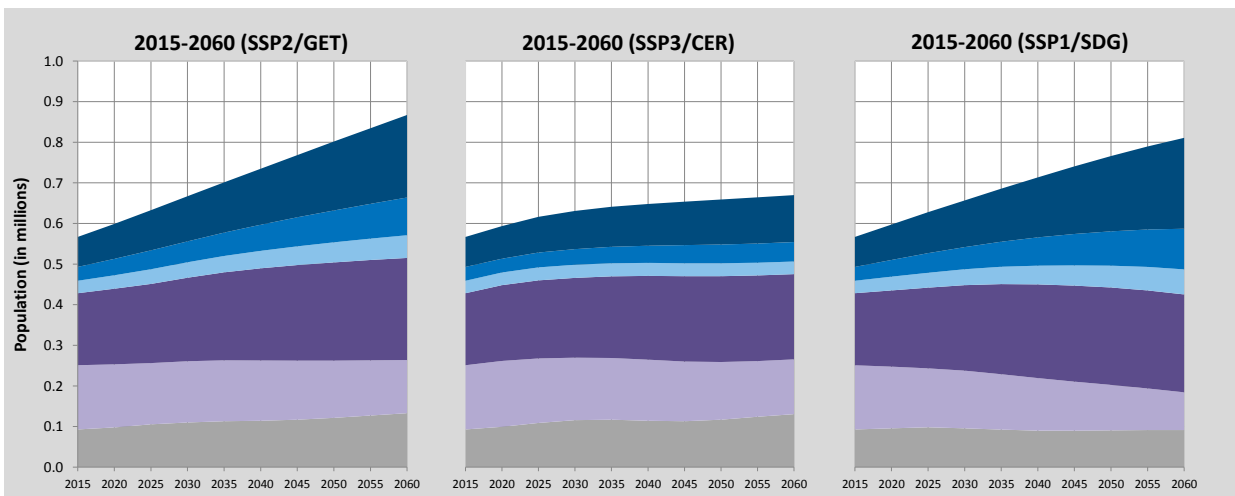
Women age 20-39: highest educational attainment (columns sum to 100%)

E1-E4 - lower secondary and below	16%	16%	12%	9%	6%	4%
E5 - upper secondary	42%	39%	36%	33%	30%	27%
E6 - short post-secondary	7%	8%	9%	10%	11%	12%
E7 - bachelor	13%	13%	16%	18%	19%	21%
E8 - master and higher	23%	24%	28%	30%	34%	36%
Mean years of schooling (in years)	13.98	14.00	14.44	14.83	15.25	15.58

Age gap among women: highest educational attainment (ratio 35-44/50-64)

E1-E4 - lower secondary and below	0.56	0.54	0.69	0.69	0.58	0.50
E5 - upper secondary	0.93	0.91	0.93	0.89	0.86	0.83
E6 - short post-secondary	1.08	1.16	1.29	1.29	1.26	1.25
E7 - bachelor	2.05	1.58	0.97	1.13	1.26	1.25
E8 - master and higher	2.20	2.03	1.42	1.25	1.26	1.25
Mean years of schooling (35-44 minus 50-64)	2.61	2.19	1.57	1.28	1.68	1.63

Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG



Colour legend as in pyramids above

Education scenarios

SSP2/GET : Global Education Trend Scenario (Medium assumption)

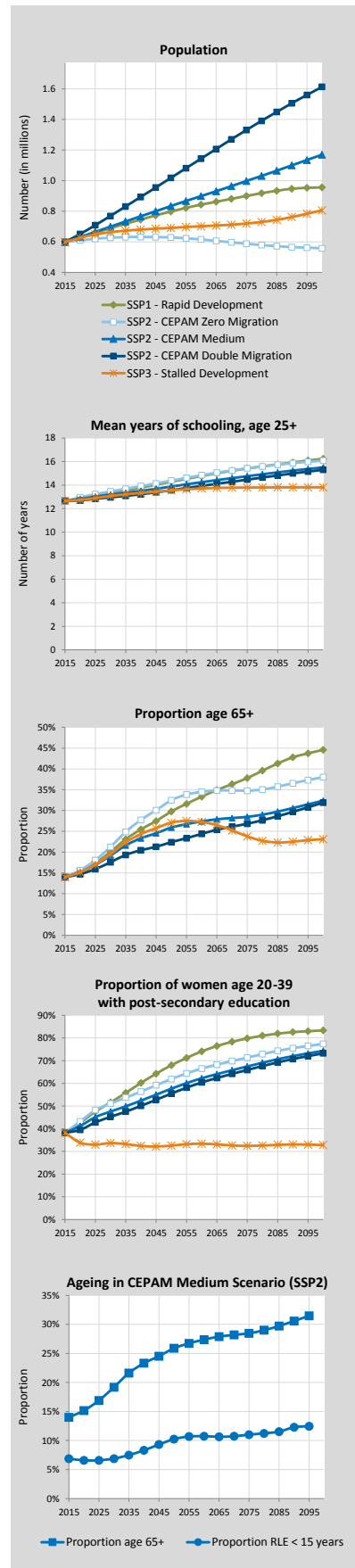
SSP3/CER : Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG : Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

Luxembourg (Continued)

Alternative scenarios to 2100

Projection results by scenario (SSP1-SSP3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	0.57	0.60	0.66	0.77	0.81	0.87	0.92
SSP2 - CEPAM Zero Migration	0.57	0.58	0.60	0.60	0.58	0.56	0.53
SSP2 - CEPAM Medium	0.57	0.60	0.67	0.80	0.87	0.97	1.14
SSP2 - CEPAM Double Migration	0.57	0.62	0.74	0.99	1.11	1.30	1.58
SSP3 - Stalled Development	0.57	0.59	0.63	0.66	0.67	0.69	0.77
Proportion age 65+							
SSP1 - Rapid Development	14.0%	15.3%	20.1%	29.8%	33.3%	37.8%	44.6%
SSP2 - CEPAM Zero Migration	14.0%	15.6%	21.3%	32.5%	34.5%	34.8%	38.0%
SSP2 - CEPAM Medium	14.0%	15.2%	19.2%	25.9%	27.4%	28.5%	32.4%
SSP2 - CEPAM Double Migration	14.0%	14.7%	17.6%	22.4%	24.4%	26.8%	31.9%
SSP3 - Stalled Development	14.0%	15.2%	19.5%	27.1%	27.2%	23.8%	23.1%
Proportion below age 20							
SSP1 - Rapid Development	22.4%	21.4%	19.8%	16.0%	15.3%	13.9%	12.4%
SSP2 - CEPAM Zero Migration	22.4%	21.7%	21.1%	18.5%	18.7%	18.2%	17.4%
SSP2 - CEPAM Medium	22.4%	21.7%	21.7%	20.2%	20.3%	19.8%	18.7%
SSP2 - CEPAM Double Migration	22.4%	21.7%	22.3%	21.1%	20.8%	20.2%	18.7%
SSP3 - Stalled Development	22.4%	22.1%	23.6%	23.5%	25.2%	26.3%	26.9%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	38.2%	42.6%	51.6%	68.0%	74.1%	79.8%	83.3%
SSP2 - CEPAM Zero Migration	38.2%	43.2%	51.1%	61.9%	66.5%	71.3%	77.4%
SSP2 - CEPAM Medium	38.2%	41.2%	47.6%	57.6%	62.2%	67.4%	74.3%
SSP2 - CEPAM Double Migration	38.2%	39.5%	45.2%	55.5%	60.4%	65.9%	73.2%
SSP3 - Stalled Development	38.2%	33.9%	33.7%	32.6%	33.4%	32.4%	32.8%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	12.7	12.9	13.3	14.3	14.8	15.4	16.2
SSP2 - CEPAM Zero Migration	12.7	13.0	13.5	14.4	14.8	15.4	16.1
SSP2 - CEPAM Medium	12.7	12.8	13.2	13.9	14.2	14.8	15.5
SSP2 - CEPAM Double Migration	12.7	12.7	13.0	13.6	13.9	14.5	15.3
SSP3 - Stalled Development	12.7	12.7	13.1	13.6	13.7	13.8	13.8
Demographic assumptions underlying SSPs							
	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.51	1.46	1.36	1.35	1.35	1.34	1.33
SSP2 - CEPAM Zero Migration	1.62	1.69	1.75	1.81	1.80	1.79	1.77
SSP2 - CEPAM Medium	1.63	1.70	1.75	1.81	1.80	1.79	1.78
SSP2 - CEPAM Double Migration	1.63	1.71	1.76	1.81	1.80	1.79	1.78
SSP3 - Stalled Development	1.76	1.99	2.22	2.40	2.41	2.41	2.40
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	84.6	86.2	89.2	95.3	98.4	102.9	105.7
SSP2 - CEPAM Zero Migration	84.1	85.2	87.3	91.4	93.5	96.7	100.7
SSP2 - CEPAM Medium	84.1	85.2	87.2	91.3	93.4	96.5	100.6
SSP2 - CEPAM Double Migration	84.1	85.1	87.2	91.3	93.3	96.3	100.5
SSP3 - Stalled Development	83.6	84.2	85.2	87.3	88.4	89.9	91.9
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	19.4	20.4	21.8	23.0	22.7	21.3	18.2
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	19.4	20.5	22.5	25.1	25.5	25.1	22.9
SSP2 - CEPAM Double Migration	38.8	40.4	42.6	44.2	43.3	40.0	33.1
SSP3 - Stalled Development	12.9	7.0	0.0	0.0	0.0	0.0	0.0
Ageing indicators by scenario							
	2015	2020	2030	2050	2060	2075	2095
Median age							
SSP1 - Rapid Development	39.3	40.5	43.7	49.4	51.4	55.0	59.3
SSP2 - CEPAM Zero Migration	39.3	41.1	45.2	50.3	50.5	51.6	52.8
SSP2 - CEPAM Medium	39.3	40.4	42.7	45.4	45.5	46.7	48.4
SSP2 - CEPAM Double Migration	39.3	39.7	41.0	43.3	43.9	45.6	48.1
SSP3 - Stalled Development	39.3	40.4	43.2	44.4	41.7	40.3	39.1
Proportion with less than 15 years of remaining life expectancy (RLE)							
SSP1 - Rapid Development	6.9%	6.6%	6.9%	10.2%	10.7%	11.0%	12.5%
SSP2 - CEPAM Zero Migration	7.1%	7.2%	8.3%	13.8%	14.7%	15.0%	12.7%
SSP2 - CEPAM Medium	7.1%	7.0%	7.4%	10.6%	10.6%	10.7%	9.8%
SSP2 - CEPAM Double Migration	7.1%	6.8%	6.8%	8.9%	8.8%	9.4%	9.4%
SSP3 - Stalled Development	7.3%	7.4%	8.6%	13.4%	13.5%	12.5%	9.2%



Luxembourg (Continued)

Labour force projections to 2060

Labour force indicators

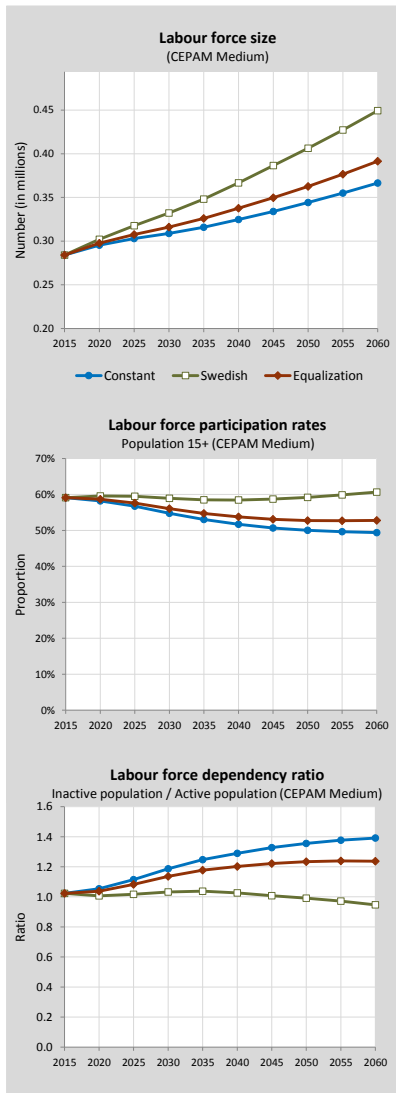
	2015	2020	2030	2040	2050	2060
Labour force size, by participation and migration scenario (in millions)						
Constant (CEPAM Zero Migration)	0.28	0.28	0.26	0.25	0.23	0.22
Constant (CEPAM Medium)	0.28	0.29	0.31	0.32	0.34	0.36
Constant (CEPAM Double Migration)	0.28	0.30	0.35	0.39	0.44	0.48
Swedish (CEPAM Zero Migration)	0.28	0.29	0.28	0.28	0.28	0.27
Swedish (CEPAM Medium)	0.28	0.30	0.33	0.36	0.40	0.45
Swedish (CEPAM Double Migration)	0.28	0.31	0.37	0.44	0.51	0.59
Equalization (CEPAM Zero Migration)	0.28	0.28	0.27	0.26	0.24	0.24
Equalization (CEPAM Medium)	0.28	0.29	0.31	0.33	0.36	0.39
Equalization (CEPAM Double Migration)	0.28	0.31	0.35	0.41	0.46	0.52
Constant (CEPAM Medium-low fertility)	0.28	0.29	0.30	0.32	0.32	0.33
Swedish (CEPAM Medium-low fertility)	0.28	0.30	0.33	0.36	0.38	0.40
Equalization (CEPAM Medium-low fertility)	0.28	0.29	0.31	0.33	0.34	0.35

Labour force participation rates, age 15+, by participation scenario (CEPAM Medium)

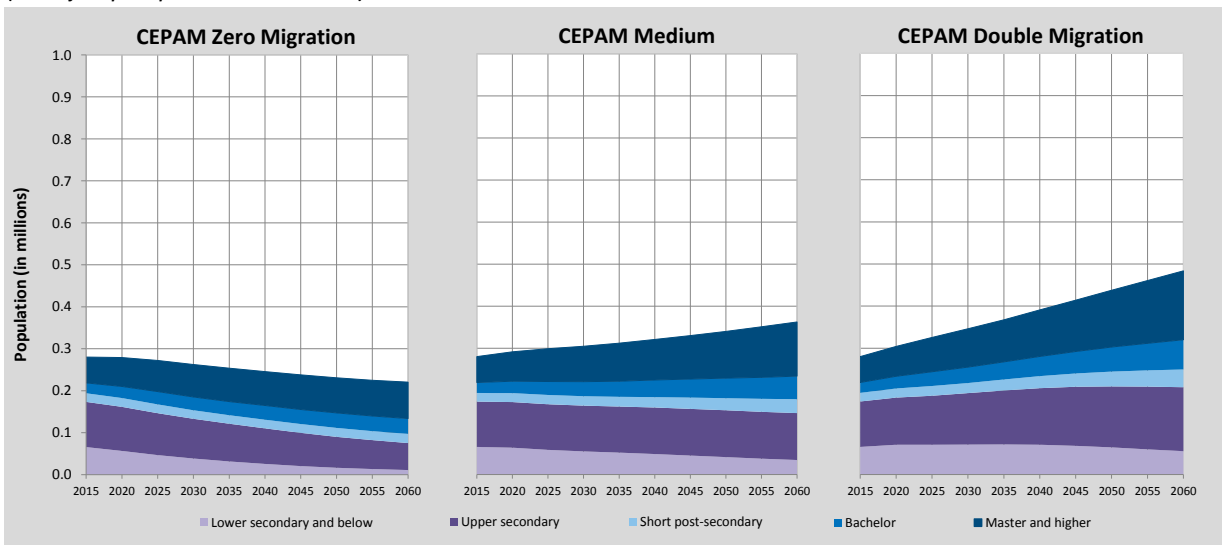
TOTAL (Constant)	59.1%	58.2%	54.8%	51.7%	50.0%	49.4%
TOTAL (Swedish)	59.1%	59.6%	58.9%	58.4%	59.2%	60.7%
TOTAL (Equalization)	59.1%	58.7%	56.1%	53.8%	52.7%	52.8%
MALE (Constant)	64.9%	63.6%	59.5%	56.2%	54.6%	53.9%
MALE (Swedish)	64.9%	64.8%	63.2%	62.2%	62.8%	64.0%
MALE (Equalization)	64.9%	63.6%	59.5%	56.2%	54.6%	53.9%
FEMALE (Constant)	53.4%	52.8%	50.0%	47.2%	45.5%	44.9%
FEMALE (Swedish)	53.4%	54.3%	54.6%	54.6%	55.5%	57.3%
FEMALE (Equalization)	53.4%	53.7%	52.6%	51.3%	50.9%	51.7%

Labour force (15+) by highest level of educational attainment. Columns sum to 100%. (CEPAM Medium; Constant participation)

TOTAL E1-E4 - lower secondary and below	23.5%	21.8%	18.1%	15.2%	12.2%	9.5%
TOTAL E5 - upper secondary	38.4%	37.2%	35.7%	34.4%	32.7%	30.7%
TOTAL E6 - short post-secondary	7.3%	7.3%	7.3%	7.7%	8.4%	9.1%
TOTAL E7 - bachelor	8.8%	9.7%	11.4%	12.7%	14.0%	15.1%
TOTAL E8 - master and higher	21.9%	23.9%	27.7%	30.0%	32.7%	35.5%
MALE E1-E4 - lower secondary and below	25.3%	23.9%	20.3%	17.2%	13.8%	10.9%
MALE E5 - upper secondary	37.8%	37.2%	37.1%	36.9%	36.2%	35.0%
MALE E6 - short post-secondary	7.5%	7.2%	6.5%	6.5%	7.0%	7.6%
MALE E7 - bachelor	7.6%	8.7%	10.8%	12.6%	14.1%	15.3%
MALE E8 - master and higher	21.7%	23.0%	25.4%	26.7%	28.8%	31.2%
FEMALE E1-E4 - lower secondary and below	21.2%	19.3%	15.4%	12.8%	10.2%	7.9%
FEMALE E5 - upper secondary	39.2%	37.2%	34.0%	31.4%	28.5%	25.7%
FEMALE E6 - short post-secondary	7.1%	7.5%	8.2%	9.1%	10.1%	10.9%
FEMALE E7 - bachelor	10.2%	11.0%	12.0%	12.7%	13.9%	14.9%
FEMALE E8 - master and higher	22.3%	25.1%	30.3%	34.0%	37.4%	40.7%



Labour force size by educational attainment according to three migration scenarios, 2015-2060 (Labour force participation = Constant scenario)



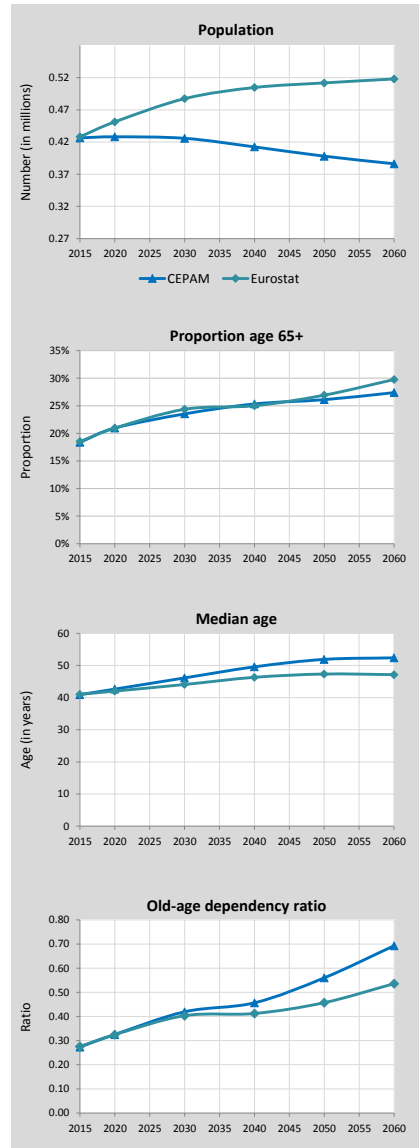
Malta

Detailed Human Capital projections to 2060

Comparison of CEPAM projections with other sources

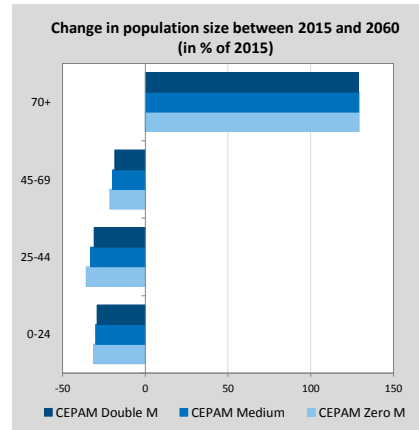
Demographic indicators - CEPAM Medium Scenario (SSP2), Eurostat and national projections		2015	2020	2030	2040	2050	2060
Population (in millions)	CEPAM	0.43	0.43	0.43	0.41	0.40	0.39
	Eurostat	0.43	0.45	0.49	0.51	0.51	0.52
	National	-	-	-	-	-	-
Proportion age 65+	CEPAM	18.4%	21.0%	23.5%	25.3%	26.1%	27.4%
	Eurostat	18.5%	21.0%	24.4%	25.0%	26.9%	29.8%
	National	-	-	-	-	-	-
Proportion below age 20	CEPAM	20.0%	19.3%	19.2%	17.7%	16.4%	16.5%
	Eurostat	20.0%	19.2%	19.9%	19.6%	19.0%	19.5%
	National	-	-	-	-	-	-
Median age	CEPAM	40.9	42.6	46.1	49.6	51.9	52.4
	Eurostat	41.0	42.0	44.1	46.3	47.3	47.2
	National	-	-	-	-	-	-
Old-age dependency ratio (65+/15-64)	CEPAM	0.27	0.33	0.42	0.46	0.56	0.69
	Eurostat	0.28	0.32	0.40	0.41	0.46	0.54
	National	-	-	-	-	-	-
Young-age dependency ratio (0-14/15-64)	CEPAM	0.21	0.23	0.24	0.21	0.21	0.24
	Eurostat	0.21	0.23	0.25	0.24	0.24	0.27
	National	-	-	-	-	-	-
Parent support ratio (85+/50-64)	CEPAM	0.08	0.09	0.15	0.24	0.33	0.48
	Eurostat	0.08	0.12	0.19	0.27	0.30	0.36
	National	-	-	-	-	-	-

Demographic assumptions underlying projections		2010-2015	2015-2020	2025-2030	2035-2040	2045-2050	2055-2060	
Total fertility rate	CEPAM	1.48	1.54	1.56	1.59	1.60	1.61	
	Eurostat	1.49	1.57	1.61	1.66	1.69	1.71	
	National	-	-	-	-	-	-	
Life expectancy at birth (in years)								
	Male	CEPAM	79.5	80.5	81.4	83.4	85.3	87.3
		Eurostat	80.0	80.9	81.7	83.1	84.4	85.5
National		-	-	-	-	-	-	
Female	CEPAM	82.6	83.7	84.8	86.9	89.1	91.2	
	Eurostat	84.3	85.1	85.8	87.1	88.3	89.4	
	National	-	-	-	-	-	-	
Five-year net migration flow (in thousands)	CEPAM	-0.3	0.0	0.3	0.9	1.4	1.9	
	Eurostat	17.9	15.6	14.1	9.3	7.9	6.7	
	National	-	-	-	-	-	-	



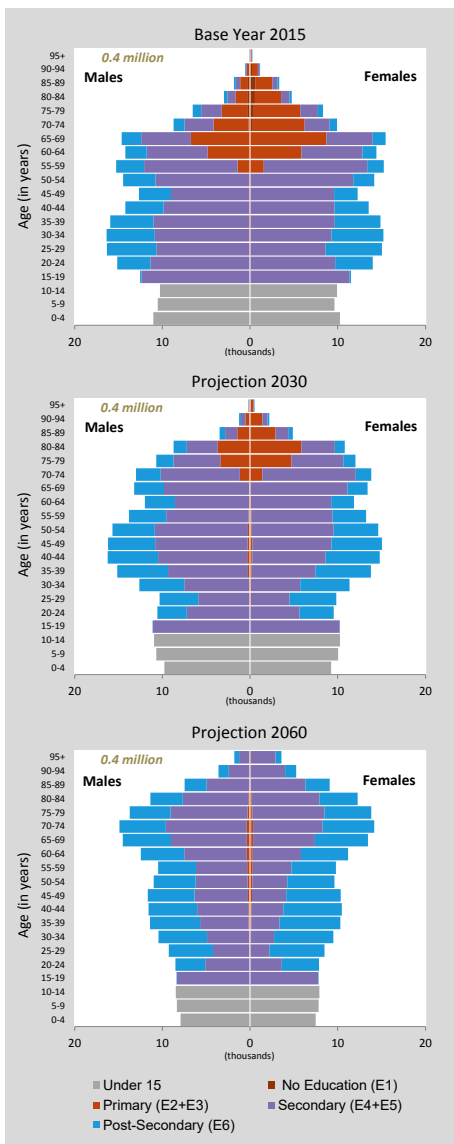
Changes in population size and structure according to CEPAM scenarios (impact of migration)

Population size according to CEPAM projections to 2060		2015	2020	2030	2040	2050	2060
Population (in millions)	Zero M	0.43	0.43	0.43	0.41	0.40	0.38
	Medium	0.43	0.43	0.43	0.41	0.40	0.39
	Double M	0.43	0.43	0.43	0.41	0.40	0.39
Population 0-24 (in millions)	Zero M	0.11	0.11	0.10	0.09	0.08	0.08
	Medium	0.11	0.11	0.10	0.09	0.08	0.08
	Double M	0.11	0.11	0.10	0.09	0.08	0.08
Population 25-44 (in millions)	Zero M	0.12	0.12	0.10	0.09	0.08	0.08
	Medium	0.12	0.12	0.10	0.09	0.09	0.08
	Double M	0.12	0.12	0.10	0.09	0.09	0.08
Population 45-69 (in millions)	Zero M	0.14	0.14	0.14	0.15	0.13	0.11
	Medium	0.14	0.14	0.14	0.15	0.13	0.11
	Double M	0.14	0.14	0.14	0.15	0.13	0.12
Population 70+ (in millions)	Zero M	0.05	0.06	0.08	0.09	0.10	0.11
	Medium	0.05	0.06	0.08	0.09	0.10	0.11
	Double M	0.05	0.06	0.08	0.09	0.10	0.11



Malta (Continued)

Pyramids by education, CEPAM Medium



Detailed Human Capital projections to 2060

Human Capital indicators, CEPAM Medium (SSP2)

	2015	2020	2030	2040	2050	2060
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Population age 25+: highest educational attainment (columns sum to 100%)

E1 - no education	1.0%	0.7%	0.4%	0.5%	0.6%	0.7%
E2 - incomplete primary	0.0%	0.1%	0.2%	0.3%	0.3%	0.4%
E3 - primary	18.0%	14.6%	8.7%	3.9%	1.4%	0.9%
E4 - lower secondary	42.7%	42.1%	40.4%	36.8%	30.8%	24.0%
E5 - upper secondary	15.3%	17.2%	20.3%	23.5%	26.4%	28.5%
E6 - post-secondary	23.0%	25.4%	30.0%	35.0%	40.5%	45.5%
Mean years of schooling (in years)	10.15	10.56	11.22	11.86	12.44	12.92

Age gap: highest educational attainment (ratio 35-44/50-64)

E1 - no education	0.32	3.47	1.60	0.86	0.58	0.38
E2 - incomplete primary	0.97	3.83	2.06	1.01	0.57	0.40
E3 - primary	0.03	0.15	0.95	0.83	0.63	0.50
E4 - lower secondary	0.83	0.63	0.54	0.52	0.47	0.41
E5 - upper secondary	1.73	1.69	1.60	1.26	1.10	1.03
E6 - post-secondary	1.91	1.72	1.40	1.33	1.30	1.26
Mean years of schooling (35-44 minus 50-64)	1.76	1.89	2.20	1.44	0.60	0.60

Gender gap (population age 25+): highest educational attainment (ratio male/female)

E1 - no education	0.50	0.56	0.78	0.89	0.88	0.85
E2 - incomplete primary	1.02	1.27	1.27	1.25	1.22	1.18
E3 - primary	0.70	0.69	0.66	0.64	0.82	1.20
E4 - lower secondary	1.06	1.06	1.07	1.08	1.12	1.21
E5 - upper secondary	1.05	1.03	1.01	1.03	1.07	1.12
E6 - post-secondary	1.17	1.11	1.03	0.95	0.89	0.84
Mean years of schooling (male minus female)	0.24	0.20	0.12	0.05	-0.04	-0.10

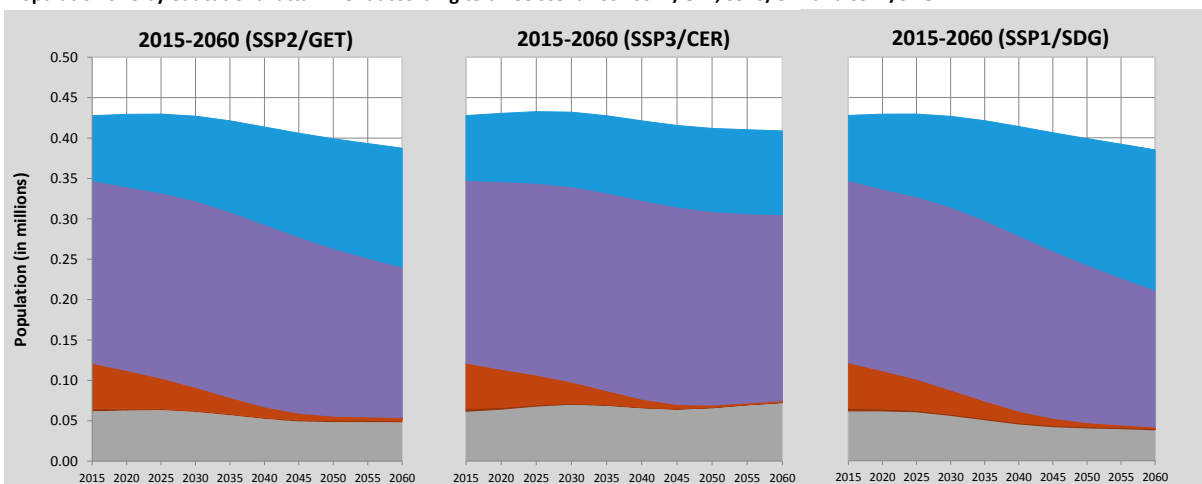
Women age 20-39: highest educational attainment (columns sum to 100%)

E1 - no education	0.0%	0.3%	0.4%	0.4%	0.3%	0.2%
E2 - incomplete primary	0.0%	0.2%	0.2%	0.2%	0.2%	0.1%
E3 - primary	0.4%	0.5%	0.5%	0.5%	0.4%	0.4%
E4 - lower secondary	36.3%	30.5%	22.2%	14.3%	9.1%	5.6%
E5 - upper secondary	29.4%	31.5%	34.0%	36.5%	36.6%	35.6%
E6 - post-secondary	33.9%	37.1%	42.8%	48.2%	53.4%	58.0%
Mean years of schooling (in years)	12.54	12.99	13.53	13.81	14.04	14.22

Age gap among women: highest educational attainment (ratio 35-44/50-64)

E1 - no education	0.48	3.58	1.60	0.84	0.57	0.39
E2 - incomplete primary	1.00	3.82	2.06	0.99	0.56	0.40
E3 - primary	0.02	0.12	0.97	0.86	0.65	0.50
E4 - lower secondary	0.72	0.52	0.45	0.46	0.39	0.31
E5 - upper secondary	2.10	1.88	1.53	1.12	0.95	0.89
E6 - post-secondary	2.56	2.29	1.56	1.39	1.36	1.30
Mean years of schooling (35-44 minus 50-64)	2.30	2.43	2.34	1.41	0.67	0.65

Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG



Colour legend as in pyramids above

Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

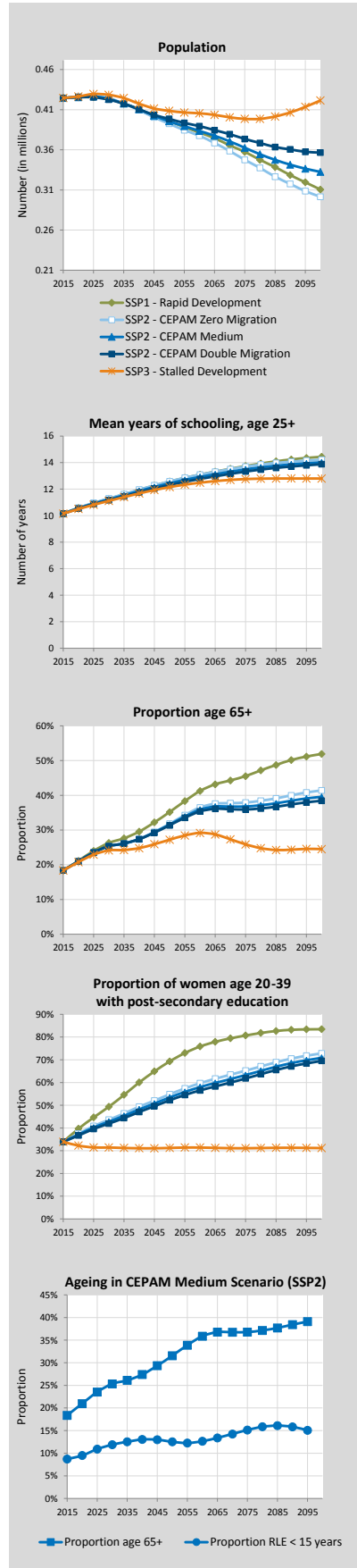
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

Malta (Continued)

Alternative scenarios to 2100

Projection results by scenario (SSP1-SSP3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	0.43	0.43	0.43	0.40	0.39	0.36	0.31
SSP2 - CEPAM Zero Migration	0.43	0.43	0.43	0.40	0.38	0.35	0.31
SSP2 - CEPAM Medium	0.43	0.43	0.43	0.40	0.39	0.37	0.34
SSP2 - CEPAM Double Migration	0.43	0.43	0.43	0.40	0.39	0.38	0.36
SSP3 - Stalled Development	0.43	0.43	0.43	0.41	0.41	0.40	0.43
Proportion age 65+							
SSP1 - Rapid Development	18.4%	21.1%	26.3%	35.2%	41.3%	45.5%	51.9%
SSP2 - CEPAM Zero Migration	18.4%	21.0%	25.3%	31.8%	36.5%	37.9%	41.4%
SSP2 - CEPAM Medium	18.4%	21.0%	25.3%	31.6%	35.9%	36.8%	39.6%
SSP2 - CEPAM Double Migration	18.4%	21.0%	25.4%	31.4%	35.4%	35.9%	38.4%
SSP3 - Stalled Development	18.4%	20.8%	24.1%	27.2%	29.2%	25.9%	24.5%
Proportion below age 20							
SSP1 - Rapid Development	20.0%	19.1%	18.2%	14.0%	13.5%	12.0%	11.1%
SSP2 - CEPAM Zero Migration	20.0%	19.3%	19.3%	16.5%	16.6%	15.7%	15.4%
SSP2 - CEPAM Medium	20.0%	19.3%	19.2%	16.4%	16.5%	15.8%	15.6%
SSP2 - CEPAM Double Migration	20.0%	19.3%	19.2%	16.3%	16.5%	15.9%	15.7%
SSP3 - Stalled Development	20.0%	19.6%	21.2%	21.2%	23.0%	24.1%	25.8%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	33.9%	39.6%	49.3%	69.3%	75.8%	80.7%	83.4%
SSP2 - CEPAM Zero Migration	33.9%	37.5%	43.6%	54.8%	59.7%	65.2%	72.8%
SSP2 - CEPAM Medium	33.9%	37.1%	42.8%	53.4%	58.0%	63.3%	70.8%
SSP2 - CEPAM Double Migration	33.9%	36.7%	41.9%	52.2%	56.5%	61.8%	69.5%
SSP3 - Stalled Development	33.9%	32.2%	31.4%	31.2%	31.4%	31.1%	31.2%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	10.2	10.6	11.3	12.6	13.1	13.7	14.4
SSP2 - CEPAM Zero Migration	10.2	10.6	11.3	12.6	13.1	13.7	14.2
SSP2 - CEPAM Medium	10.2	10.6	11.2	12.4	12.9	13.5	14.0
SSP2 - CEPAM Double Migration	10.2	10.5	11.2	12.3	12.8	13.3	13.9
SSP3 - Stalled Development	10.2	10.5	11.1	12.2	12.5	12.8	12.8
Demographic assumptions underlying SSPs							
	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.42	1.41	1.37	1.38	1.39	1.41	1.43
SSP2 - CEPAM Zero Migration	1.48	1.54	1.57	1.60	1.61	1.62	1.64
SSP2 - CEPAM Medium	1.48	1.54	1.58	1.61	1.62	1.63	1.65
SSP2 - CEPAM Double Migration	1.48	1.54	1.58	1.61	1.62	1.63	1.65
SSP3 - Stalled Development	1.59	1.79	2.00	2.20	2.24	2.30	2.37
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	83.1	84.7	87.9	94.1	97.2	101.9	108.2
SSP2 - CEPAM Zero Migration	82.6	83.7	85.9	90.2	92.3	95.5	99.8
SSP2 - CEPAM Medium	82.6	83.7	85.9	90.1	92.3	95.5	99.7
SSP2 - CEPAM Double Migration	82.6	83.7	85.8	90.1	92.2	95.4	99.6
SSP3 - Stalled Development	82.1	82.7	83.8	86.1	87.2	88.8	90.9
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-0.3	-0.1	0.4	1.2	1.4	1.6	1.6
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-0.3	0.0	0.6	1.7	2.1	2.5	2.7
SSP2 - CEPAM Double Migration	-0.6	-0.1	1.0	3.1	3.7	4.4	4.5
SSP3 - Stalled Development	-0.2	0.0	0.0	0.0	0.0	0.0	0.0
Ageing indicators by scenario							
	2015	2020	2030	2050	2060	2075	2095
Median age							
SSP1 - Rapid Development	40.9	42.8	46.9	55.0	57.6	61.3	66.0
SSP2 - CEPAM Zero Migration	40.9	42.6	46.1	52.2	52.9	54.9	56.4
SSP2 - CEPAM Medium	40.9	42.6	46.1	51.9	52.4	54.0	54.9
SSP2 - CEPAM Double Migration	40.9	42.7	46.2	51.7	51.9	53.4	54.0
SSP3 - Stalled Development	40.9	42.4	45.1	46.8	44.6	43.2	40.9
Proportion with less than 15 years of remaining life expectancy (RLE)							
SSP1 - Rapid Development	8.7%	9.5%	11.9%	12.5%	12.6%	15.1%	15.1%
SSP2 - CEPAM Zero Migration	9.1%	10.3%	12.9%	13.3%	14.4%	16.9%	14.0%
SSP2 - CEPAM Medium	9.1%	10.3%	13.0%	13.2%	14.2%	16.3%	13.2%
SSP2 - CEPAM Double Migration	9.1%	10.3%	13.0%	13.2%	14.1%	15.8%	12.6%
SSP3 - Stalled Development	9.4%	11.1%	13.9%	13.8%	14.9%	14.8%	10.6%



Netherlands

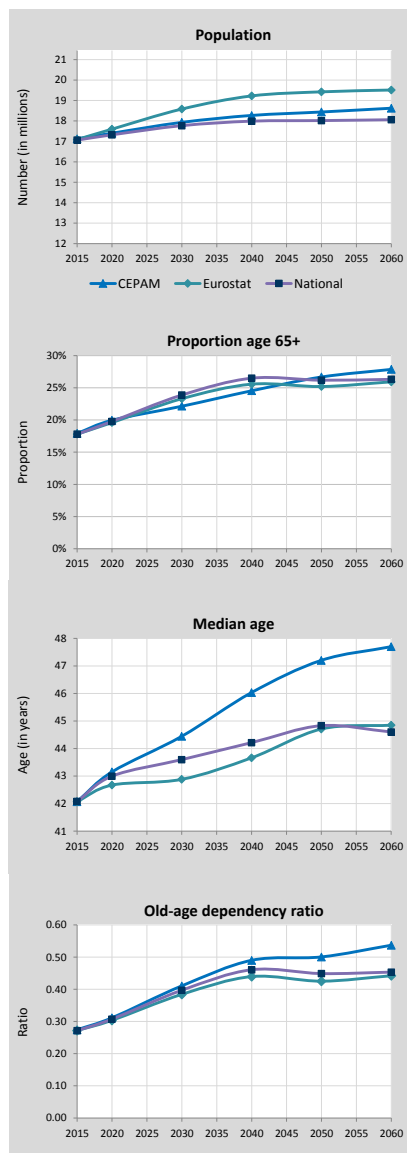
Detailed Human Capital projections to 2060

Comparison of CEPAM projections with other sources

Demographic indicators - CEPAM Medium Scenario (SSP2), Eurostat and national projections		2015	2020	2030	2040	2050	2060
Population (in millions)	CEPAM	16.94	17.21	17.74	18.08	18.25	18.43
	Eurostat	16.90	17.41	18.39	19.04	19.24	19.32
	National	16.87	17.13	17.58	17.80	17.83	17.87
Proportion age 65+	CEPAM	17.9%	20.0%	22.1%	24.5%	26.7%	27.9%
	Eurostat	17.8%	19.6%	23.3%	25.6%	25.2%	25.9%
	National	17.8%	19.8%	23.9%	26.5%	26.2%	26.3%
Proportion below age 20	CEPAM	22.7%	21.8%	20.8%	20.6%	19.8%	19.6%
	Eurostat	22.7%	21.8%	21.2%	21.7%	21.1%	20.7%
	National	22.6%	21.9%	21.2%	21.4%	20.9%	20.8%
Median age	CEPAM	42.1	43.2	44.4	46.0	47.2	47.7
	Eurostat	42.1	42.7	42.9	43.7	44.7	44.8
	National	42.1	43.0	43.6	44.2	44.8	44.6
Old-age dependency ratio (65+/15-64)	CEPAM	0.27	0.31	0.41	0.49	0.50	0.54
	Eurostat	0.27	0.30	0.38	0.44	0.43	0.44
	National	0.27	0.31	0.40	0.46	0.45	0.45
Young-age dependency ratio (0-14/15-64)	CEPAM	0.26	0.25	0.26	0.27	0.26	0.26
	Eurostat	0.26	0.25	0.26	0.28	0.26	0.26
	National	0.26	0.25	0.27	0.28	0.27	0.27
Parent support ratio (85+/50-64)	CEPAM	0.10	0.11	0.17	0.30	0.39	0.48
	Eurostat	0.10	0.11	0.17	0.28	0.32	0.35
	National	0.10	0.11	0.17	0.28	0.35	0.39

Demographic assumptions underlying projections

		2010-2015	2015-2020	2025-2030	2035-2040	2045-2050	2055-2060	
Total fertility rate	CEPAM	1.75	1.77	1.77	1.79	1.80	1.80	
	Eurostat	1.71	1.73	1.74	1.75	1.77	1.79	
	National	1.74	1.75	1.75	1.75	1.75	1.75	
Life expectancy at birth (in years)								
	Male	CEPAM	80.3	81.4	82.4	84.5	86.6	88.7
		Eurostat	80.2	81.0	81.7	82.9	84.1	85.3
National		80.5	81.3	82.2	83.8	85.3	86.7	
Female	CEPAM	83.8	84.8	85.9	88.1	90.2	92.4	
	Eurostat	83.7	84.5	85.1	86.4	87.6	88.8	
	National	83.7	84.3	85.0	86.5	88.1	89.5	
Five-year net migration flow (in thousands)	CEPAM	106.2	117.9	128.5	148.0	165.0	177.5	
	Eurostat	349.9	324.9	309.1	204.9	169.8	147.4	
	National	159.0	102.8	93.5	85.6	82.1	69.1	

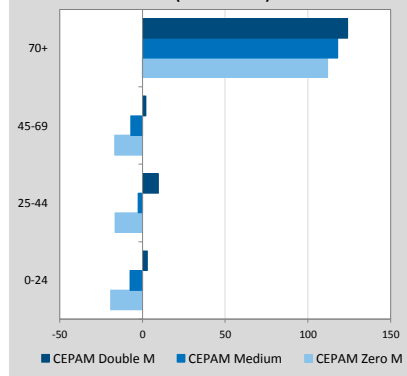


Changes in population size and structure according to CEPAM scenarios (impact of migration)

Population size according to CEPAM projections to 2060

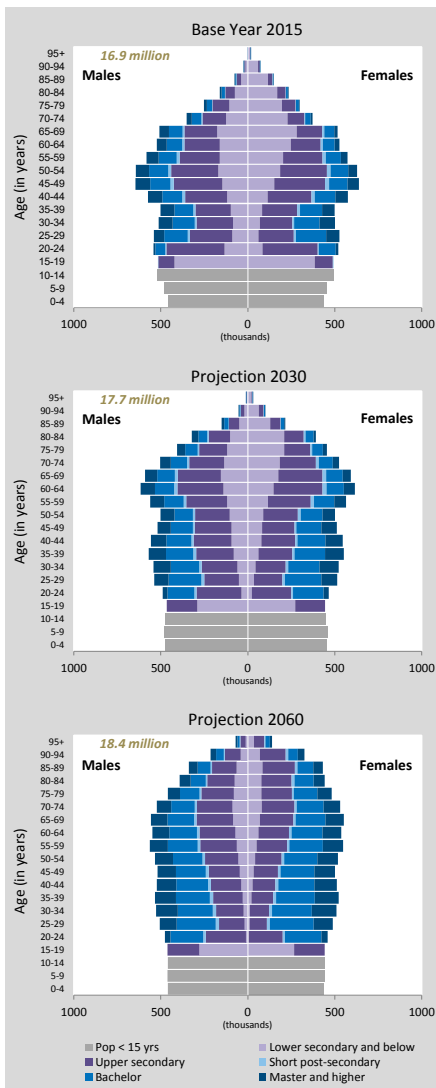
		2015	2020	2030	2040	2050	2060
Population (in millions)	Zero M	16.94	17.10	17.32	17.26	16.96	16.59
	Medium	16.94	17.21	17.74	18.08	18.25	18.43
	Double M	16.94	17.33	18.16	18.86	19.45	20.10
Population 0-24 (in millions)	Zero M	4.91	4.74	4.51	4.37	4.16	3.97
	Medium	4.91	4.78	4.65	4.65	4.59	4.54
	Double M	4.91	4.82	4.79	4.92	4.98	5.06
Population 25-44 (in millions)	Zero M	4.23	4.14	4.13	3.83	3.61	3.54
	Medium	4.23	4.20	4.34	4.15	4.05	4.12
	Double M	4.23	4.27	4.55	4.45	4.44	4.64
Population 45-69 (in millions)	Zero M	5.78	5.79	5.51	5.12	5.03	4.81
	Medium	5.78	5.80	5.58	5.32	5.42	5.38
	Double M	5.78	5.82	5.64	5.52	5.78	5.90
Population 70+ (in millions)	Zero M	2.01	2.43	3.17	3.94	4.16	4.27
	Medium	2.01	2.43	3.17	3.95	4.20	4.39
	Double M	2.01	2.43	3.18	3.97	4.24	4.51

Change in population size between 2015 and 2060 (in % of 2015)



Netherlands (Continued)

Pyramids by education, CEPAM Medium

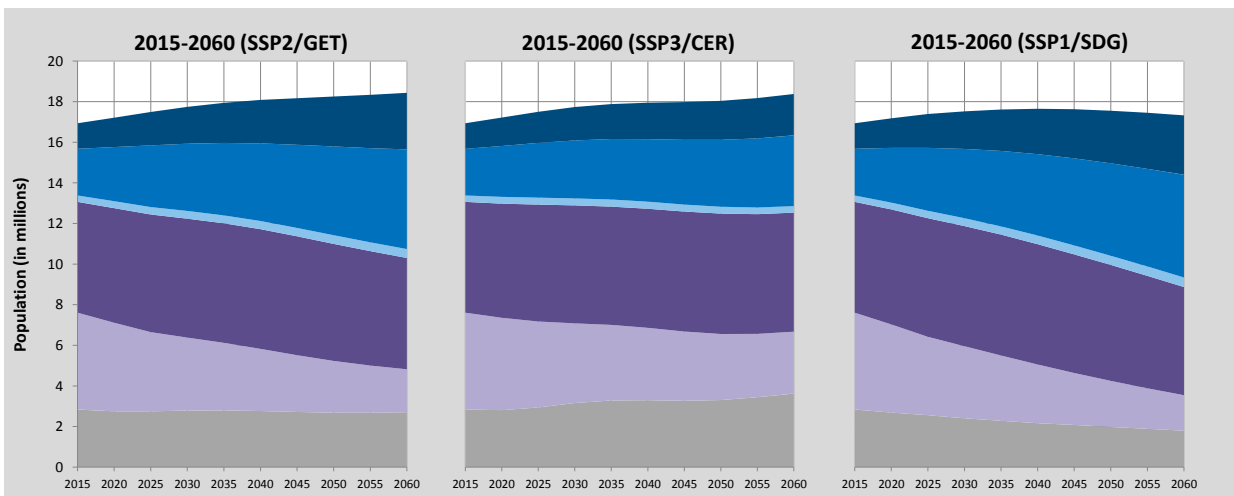


Detailed Human Capital projections to 2060

Human Capital indicators, CEPAM Medium (SSP2)

	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1-E4 - lower secondary and below	31.1%	28.2%	22.7%	18.2%	14.3%	11.2%
E5 - upper secondary	38.3%	38.4%	38.4%	37.7%	36.2%	33.8%
E6 - short post-secondary	2.5%	2.6%	2.7%	2.8%	2.9%	3.0%
E7 - bachelor	17.8%	19.5%	22.8%	25.8%	29.1%	32.5%
E8 - master and higher	10.3%	11.3%	13.4%	15.4%	17.5%	19.5%
Mean years of schooling (in years)	11.92	12.14	12.56	12.92	13.27	13.60
Age gap: highest educational attainment (ratio 35-44/50-64)						
E1-E4 - lower secondary and below	0.59	0.63	0.66	0.59	0.55	0.52
E5 - upper secondary	1.06	0.93	0.87	0.91	0.87	0.84
E6 - short post-secondary	1.07	0.80	0.77	1.12	1.22	1.19
E7 - bachelor	1.35	1.49	1.44	1.26	1.22	1.19
E8 - master and higher	1.57	1.52	1.34	1.24	1.22	1.19
Mean years of schooling (35-44 minus 50-64)	1.11	1.01	0.88	0.84	0.80	0.75
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1-E4 - lower secondary and below	0.75	0.77	0.83	0.91	1.01	1.09
E5 - upper secondary	1.12	1.10	1.08	1.07	1.09	1.13
E6 - short post-secondary	0.90	0.91	0.93	0.95	0.99	1.03
E7 - bachelor	1.09	1.05	0.99	0.95	0.92	0.90
E8 - master and higher	1.38	1.28	1.14	1.04	0.97	0.92
Mean years of schooling (male minus female)	0.62	0.49	0.28	0.08	-0.08	-0.19
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1-E4 - lower secondary and below	14%	12%	8%	5%	4%	2%
E5 - upper secondary	44%	41%	37%	34%	30%	27%
E6 - short post-secondary	2%	2%	2%	3%	3%	3%
E7 - bachelor	26%	30%	36%	40%	44%	46%
E8 - master and higher	12%	14%	17%	18%	20%	22%
Mean years of schooling (in years)	12.98	13.22	13.68	14.00	14.28	14.50
Age gap among women: highest educational attainment (ratio 35-44/50-64)						
E1-E4 - lower secondary and below	0.49	0.54	0.60	0.56	0.51	0.47
E5 - upper secondary	1.09	0.90	0.82	0.87	0.82	0.79
E6 - short post-secondary	1.13	0.79	0.64	1.02	1.23	1.20
E7 - bachelor	1.53	1.69	1.52	1.26	1.23	1.20
E8 - master and higher	2.02	1.90	1.55	1.28	1.23	1.20
Mean years of schooling (35-44 minus 50-64)	1.94	1.66	1.40	1.16	1.11	1.00

Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG



Colour legend as in pyramids above

Education scenarios

SSP2/GET : Global Education Trend Scenario (Medium assumption)

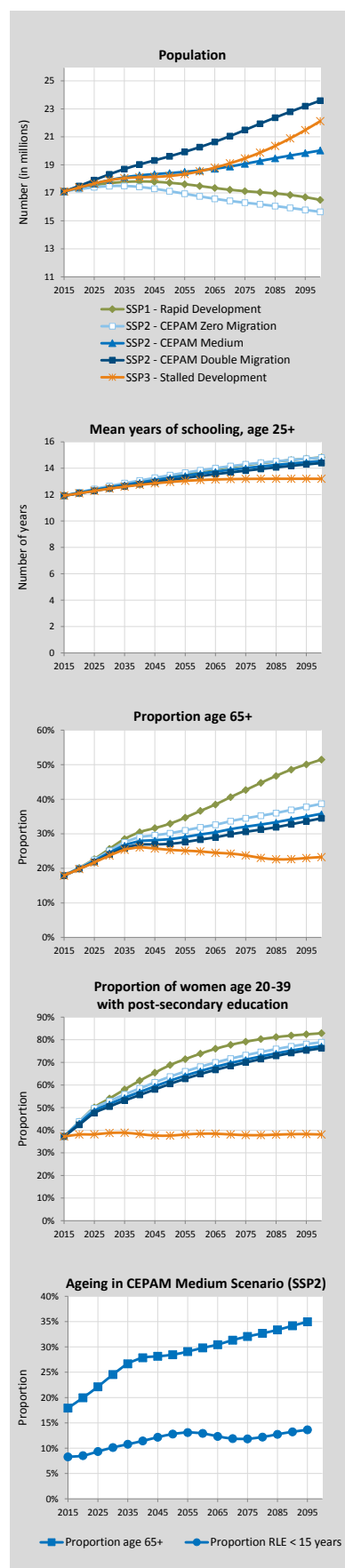
SSP3/CER : Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG : Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

Netherlands (Continued)

Alternative scenarios to 2100

Projection results by scenario (SSP1-SSP3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	16.94	17.18	17.52	17.56	17.32	16.96	16.33
SSP2 - CEPAM Zero Migration	16.94	17.10	17.32	16.96	16.59	16.14	15.48
SSP2 - CEPAM Medium	16.94	17.21	17.74	18.25	18.43	18.91	19.86
SSP2 - CEPAM Double Migration	16.94	17.33	18.16	19.45	20.10	21.33	23.43
SSP3 - Stalled Development	16.94	17.22	17.73	18.04	18.38	19.30	21.96
Proportion age 65+							
SSP1 - Rapid Development	17.9%	20.1%	25.7%	32.9%	36.6%	42.7%	51.5%
SSP2 - CEPAM Zero Migration	17.9%	20.1%	25.1%	30.2%	31.9%	34.5%	38.7%
SSP2 - CEPAM Medium	17.9%	20.0%	24.5%	28.5%	29.8%	32.1%	35.8%
SSP2 - CEPAM Double Migration	17.9%	19.8%	24.0%	27.1%	28.3%	30.6%	34.5%
SSP3 - Stalled Development	17.9%	19.8%	23.7%	25.3%	24.9%	23.8%	23.3%
Proportion below age 20							
SSP1 - Rapid Development	22.7%	21.5%	18.9%	15.5%	14.3%	12.8%	10.8%
SSP2 - CEPAM Zero Migration	22.7%	21.8%	20.6%	19.3%	18.9%	18.4%	17.1%
SSP2 - CEPAM Medium	22.7%	21.8%	20.8%	19.8%	19.6%	19.1%	18.0%
SSP2 - CEPAM Double Migration	22.7%	21.9%	21.0%	20.3%	20.0%	19.6%	18.3%
SSP3 - Stalled Development	22.7%	22.2%	22.9%	24.4%	25.6%	26.6%	26.9%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	37.2%	43.8%	54.0%	68.8%	73.8%	79.1%	82.9%
SSP2 - CEPAM Zero Migration	37.2%	43.8%	52.9%	63.7%	68.1%	73.2%	78.9%
SSP2 - CEPAM Medium	37.2%	43.1%	51.6%	61.9%	66.2%	71.2%	77.2%
SSP2 - CEPAM Double Migration	37.2%	42.4%	50.5%	60.5%	64.8%	69.9%	76.2%
SSP3 - Stalled Development	37.2%	38.1%	38.8%	37.6%	38.4%	37.8%	38.1%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	11.9	12.1	12.6	13.4	13.8	14.3	14.8
SSP2 - CEPAM Zero Migration	11.9	12.2	12.7	13.5	13.8	14.3	14.8
SSP2 - CEPAM Medium	11.9	12.1	12.6	13.3	13.6	14.0	14.6
SSP2 - CEPAM Double Migration	11.9	12.1	12.5	13.1	13.4	13.8	14.4
SSP3 - Stalled Development	11.9	12.1	12.5	13.0	13.1	13.2	13.2
Demographic assumptions underlying SSPs							
	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.63	1.53	1.39	1.34	1.34	1.34	1.33
SSP2 - CEPAM Zero Migration	1.75	1.77	1.78	1.80	1.79	1.79	1.78
SSP2 - CEPAM Medium	1.75	1.77	1.78	1.80	1.80	1.79	1.78
SSP2 - CEPAM Double Migration	1.75	1.77	1.78	1.80	1.80	1.79	1.78
SSP3 - Stalled Development	1.88	2.06	2.27	2.40	2.41	2.42	2.42
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	84.3	85.8	89.0	95.3	98.5	103.2	109.5
SSP2 - CEPAM Zero Migration	83.8	84.9	87.0	91.4	93.5	96.8	101.1
SSP2 - CEPAM Medium	83.8	84.8	87.0	91.3	93.5	96.7	101.0
SSP2 - CEPAM Double Migration	83.8	84.8	87.0	91.3	93.4	96.6	100.9
SSP3 - Stalled Development	83.3	83.8	85.0	87.3	88.4	90.1	92.3
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	106.3	116.8	132.4	154.9	158.8	155.0	136.9
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	106.2	117.9	138.5	172.0	181.3	184.4	175.1
SSP2 - CEPAM Double Migration	212.5	232.7	266.6	316.4	325.8	318.7	285.3
SSP3 - Stalled Development	70.8	40.0	0.1	0.2	0.2	0.3	0.3
Ageing indicators by scenario							
	2015	2020	2030	2050	2060	2075	2095
Median age							
SSP1 - Rapid Development	42.1	43.4	45.7	51.5	54.5	58.9	65.1
SSP2 - CEPAM Zero Migration	42.1	43.4	45.1	48.5	49.4	50.9	53.6
SSP2 - CEPAM Medium	42.1	43.2	44.4	47.2	47.7	48.9	51.1
SSP2 - CEPAM Double Migration	42.1	42.9	43.9	46.2	46.5	47.8	50.0
SSP3 - Stalled Development	42.1	43.0	43.5	43.1	40.7	40.0	39.2
Proportion with less than 15 years of remaining life expectancy (RLE)							
SSP1 - Rapid Development	8.3%	8.5%	10.1%	12.8%	12.9%	11.9%	13.6%
SSP2 - CEPAM Zero Migration	8.6%	9.2%	11.2%	14.1%	13.4%	12.9%	13.2%
SSP2 - CEPAM Medium	8.6%	9.1%	10.9%	13.2%	12.2%	11.6%	11.7%
SSP2 - CEPAM Double Migration	8.6%	9.1%	10.7%	12.5%	11.4%	10.8%	10.9%
SSP3 - Stalled Development	8.9%	9.8%	11.8%	13.9%	12.1%	11.4%	9.4%



Netherlands (Continued)

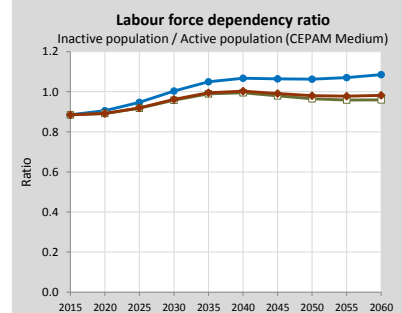
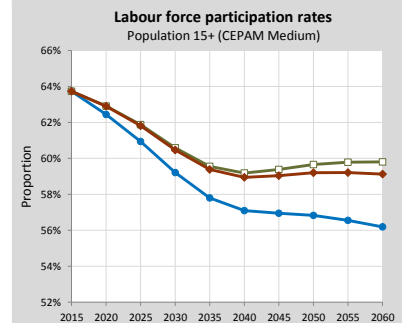
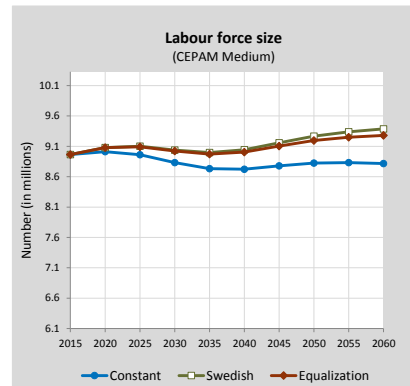
Labour force projections to 2060

Labour force indicators	2015	2020	2030	2040	2050	2060
Labour force size, by participation and migration scenario (in millions)						
Constant (CEPAM Zero Migration)	8.99	8.97	8.61	8.27	8.09	7.80
Constant (CEPAM Medium)	8.99	9.03	8.85	8.75	8.85	8.84
Constant (CEPAM Double Migration)	8.99	9.10	9.09	9.19	9.54	9.77
Swedish (CEPAM Zero Migration)	8.99	9.04	8.81	8.58	8.50	8.30
Swedish (CEPAM Medium)	8.99	9.10	9.06	9.06	9.29	9.41
Swedish (CEPAM Double Migration)	8.99	9.17	9.30	9.53	10.02	10.40
Equalization (CEPAM Zero Migration)	8.99	9.03	8.79	8.53	8.42	8.19
Equalization (CEPAM Medium)	8.99	9.10	9.04	9.03	9.22	9.30
Equalization (CEPAM Double Migration)	8.99	9.17	9.29	9.50	9.95	10.30
Constant (CEPAM Medium-low fertility)	8.99	9.03	8.85	8.61	8.38	7.95
Swedish (CEPAM Medium-low fertility)	8.99	9.10	9.06	8.92	8.81	8.50
Equalization (CEPAM Medium-low fertility)	8.99	9.10	9.04	8.89	8.75	8.40

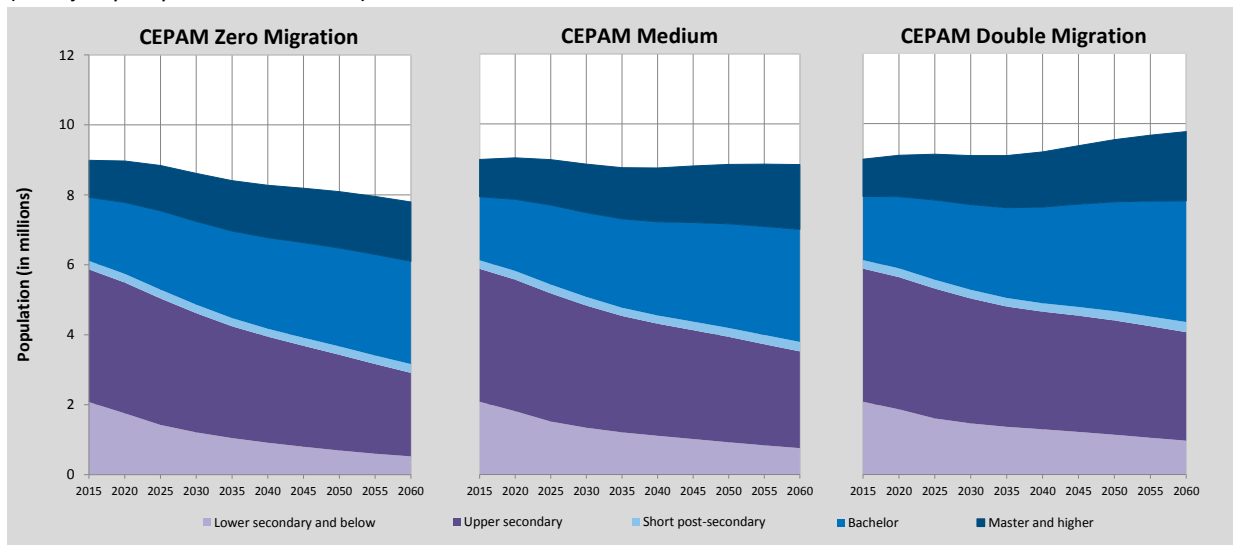
Labour force participation rates, age 15+, by participation scenario (CEPAM Medium)						
TOTAL (Constant)	63.7%	62.4%	59.2%	57.1%	56.8%	56.2%
TOTAL (Swedish)	63.7%	62.9%	60.6%	59.2%	59.7%	59.8%
TOTAL (Equalization)	63.7%	62.9%	60.5%	58.9%	59.2%	59.1%
MALE (Constant)	69.8%	68.0%	64.3%	61.8%	61.4%	60.6%
MALE (Swedish)	69.8%	68.3%	65.2%	63.2%	63.2%	63.0%
MALE (Equalization)	69.8%	68.0%	64.3%	61.8%	61.4%	60.6%
FEMALE (Constant)	57.8%	57.0%	54.2%	52.5%	52.4%	51.9%
FEMALE (Swedish)	57.8%	57.6%	56.1%	55.3%	56.2%	56.7%
FEMALE (Equalization)	57.8%	57.9%	56.7%	56.1%	57.1%	57.7%

Labour force (15+) by highest level of educational attainment. Columns sum to 100%. (CEPAM Medium; Constant participation)

TOTAL E1-E4 - lower secondary and below	23.1%	20.0%	15.1%	12.6%	10.4%	8.5%
TOTAL E5 - upper secondary	42.2%	41.6%	39.4%	36.6%	34.0%	31.2%
TOTAL E6 - short post-secondary	2.7%	2.8%	2.8%	2.7%	2.8%	3.1%
TOTAL E7 - bachelor	20.2%	22.6%	27.1%	30.6%	33.6%	36.3%
TOTAL E8 - master and higher	11.8%	13.1%	15.7%	17.6%	19.2%	20.9%
MALE E1-E4 - lower secondary and below	24.3%	21.5%	16.8%	14.3%	11.8%	9.6%
MALE E5 - upper secondary	42.2%	41.8%	40.6%	38.7%	36.7%	34.5%
MALE E6 - short post-secondary	2.4%	2.5%	2.7%	2.7%	3.0%	3.2%
MALE E7 - bachelor	18.9%	21.0%	24.9%	27.9%	30.7%	33.3%
MALE E8 - master and higher	12.2%	13.2%	15.0%	16.4%	17.7%	19.3%
FEMALE E1-E4 - lower secondary and below	21.7%	18.2%	13.1%	10.7%	8.8%	7.2%
FEMALE E5 - upper secondary	42.2%	41.3%	38.0%	34.1%	30.8%	27.5%
FEMALE E6 - short post-secondary	3.1%	3.0%	2.8%	2.6%	2.7%	2.9%
FEMALE E7 - bachelor	21.7%	24.5%	29.7%	33.6%	36.9%	39.8%
FEMALE E8 - master and higher	11.3%	13.0%	16.4%	18.9%	20.8%	22.7%



Labour force size by educational attainment according to three migration scenarios, 2015-2060 (Labour force participation = Constant scenario)



Poland

Detailed Human Capital projections to 2060

Comparison of CEPAM projections with other sources

Demographic indicators - CEPAM Medium Scenario (SSP2), Eurostat and national projections		2015	2020	2030	2040	2050	2060
Population (in millions)	CEPAM	38.27	38.00	37.04	35.41	33.58	31.82
	Eurostat	38.01	37.93	37.21	35.84	34.37	32.85
	National	38.42	38.14	37.19	35.67	33.95	-
Proportion age 65+	CEPAM	15.6%	18.5%	21.5%	23.1%	24.3%	26.1%
	Eurostat	15.4%	18.4%	23.2%	25.9%	30.6%	34.1%
	National	15.8%	18.9%	23.3%	26.4%	32.7%	-
Proportion below age 20	CEPAM	20.2%	19.9%	19.3%	17.9%	17.5%	17.8%
	Eurostat	20.4%	19.9%	19.2%	17.7%	17.6%	18.0%
	National	20.1%	19.5%	18.1%	16.6%	16.3%	-
Median age	CEPAM	39.7	41.7	45.9	49.7	51.3	51.5
	Eurostat	39.6	41.5	45.7	49.3	50.6	50.6
	National	39.8	41.9	46.4	50.3	52.4	-
Old-age dependency ratio (65+/15-64)	CEPAM	0.22	0.28	0.37	0.43	0.58	0.69
	Eurostat	0.22	0.28	0.37	0.42	0.55	0.65
	National	0.23	0.28	0.37	0.43	0.59	-
Young-age dependency ratio (0-14/15-64)	CEPAM	0.21	0.23	0.23	0.21	0.24	0.26
	Eurostat	0.22	0.23	0.22	0.21	0.24	0.25
	National	0.22	0.22	0.21	0.20	0.22	-
Parent support ratio (85+/50-64)	CEPAM	0.08	0.11	0.12	0.21	0.33	0.48
	Eurostat	0.08	0.11	0.13	0.21	0.30	0.40
	National	0.09	0.11	0.12	0.20	0.30	-

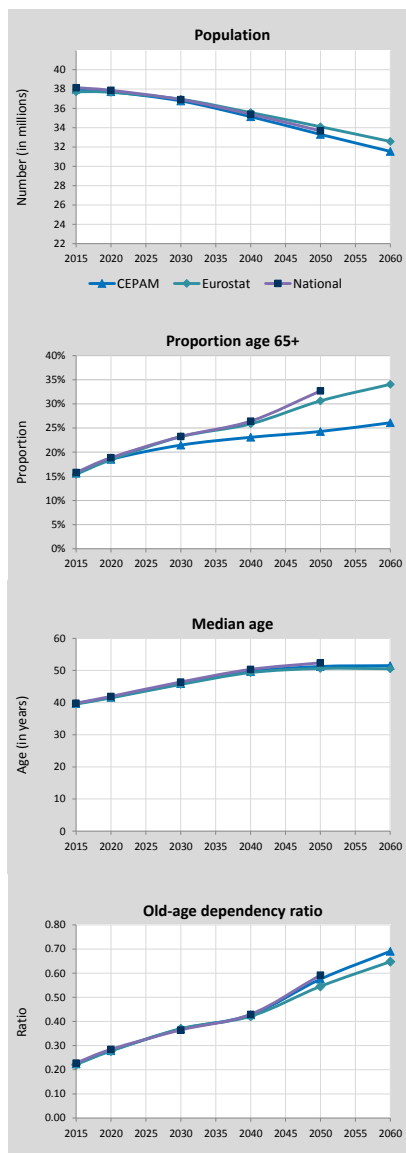
Demographic assumptions underlying projections

		2010-2015	2015-2020	2025-2030	2035-2040	2045-2050	2055-2060	
Total fertility rate	CEPAM	1.42	1.50	1.54	1.64	1.69	1.71	
	Eurostat	1.40	1.48	1.54	1.60	1.64	1.67	
	National	1.27	1.35	1.41	1.47	1.51	-	
Life expectancy at birth (in years)								
	Male	CEPAM	73.9	75.0	76.1	78.3	80.4	82.6
		Eurostat	74.3	75.5	76.6	78.7	80.6	82.4
National		74.2	75.6	77.1	79.7	82.3	-	
Female	CEPAM	81.6	82.7	83.7	85.7	87.7	89.7	
	Eurostat	81.9	82.8	83.6	85.2	86.7	88.0	
	National	82.0	83.0	84.2	86.0	87.9	-	
Five-year net migration flow (in thousands)	CEPAM	-148.0	-141.1	-134.0	-116.4	-98.0	-82.6	
	Eurostat	0.1	-12.7	-35.2	104.4	143.2	90.0	
	National	-42.9	-30.6	-18.4	0.0	0.0	-	

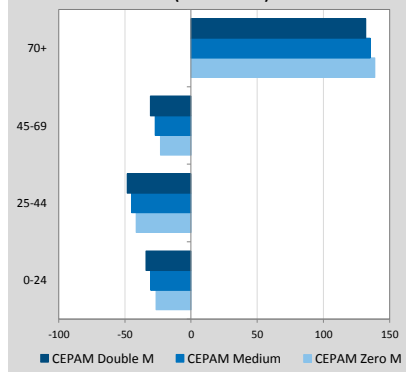
Changes in population size and structure according to CEPAM scenarios (impact of migration)

Population size according to CEPAM projections to 2060

		2015	2020	2030	2040	2050	2060
Population (in millions)	Zero M	38.27	38.16	37.54	36.25	34.73	33.26
	Medium	38.27	38.00	37.04	35.41	33.58	31.82
	Double M	38.27	37.84	36.55	34.60	32.47	30.46
Population 0-24 (in millions)	Zero M	10.21	9.60	9.29	8.46	7.81	7.52
	Medium	10.21	9.55	9.13	8.19	7.46	7.11
	Double M	10.21	9.51	8.98	7.93	7.12	6.73
Population 25-44 (in millions)	Zero M	11.76	11.54	9.06	7.64	7.57	6.89
	Medium	11.76	11.45	8.81	7.32	7.22	6.48
	Double M	11.76	11.36	8.56	7.02	6.88	6.10
Population 45-69 (in millions)	Zero M	12.39	12.43	12.71	13.11	11.36	9.53
	Medium	12.39	12.42	12.63	12.88	10.96	9.04
	Double M	12.39	12.40	12.54	12.65	10.58	8.57
Population 70+ (in millions)	Zero M	3.90	4.58	6.48	7.04	7.99	9.32
	Medium	3.90	4.58	6.47	7.02	7.94	9.19
	Double M	3.90	4.58	6.47	7.00	7.89	9.06

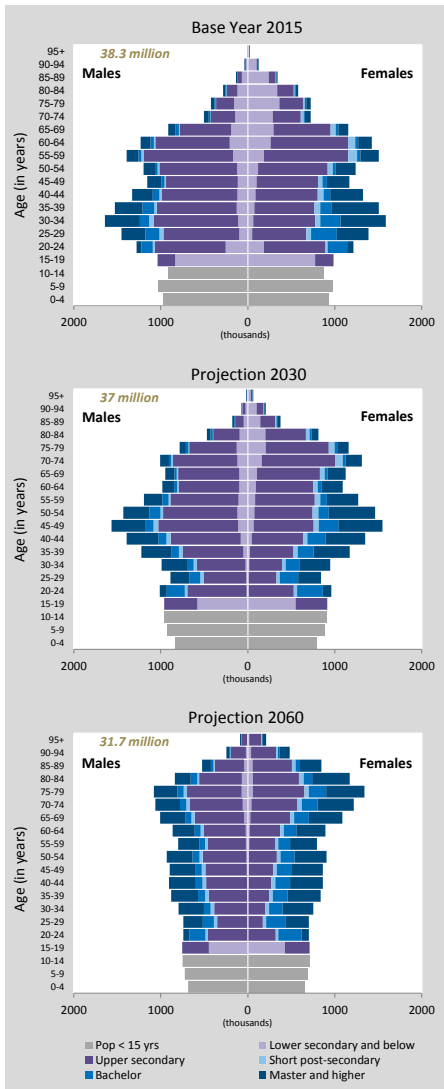


Change in population size between 2015 and 2060 (in % of 2015)



Poland (Continued)

Pyramids by education, CEPAM Medium

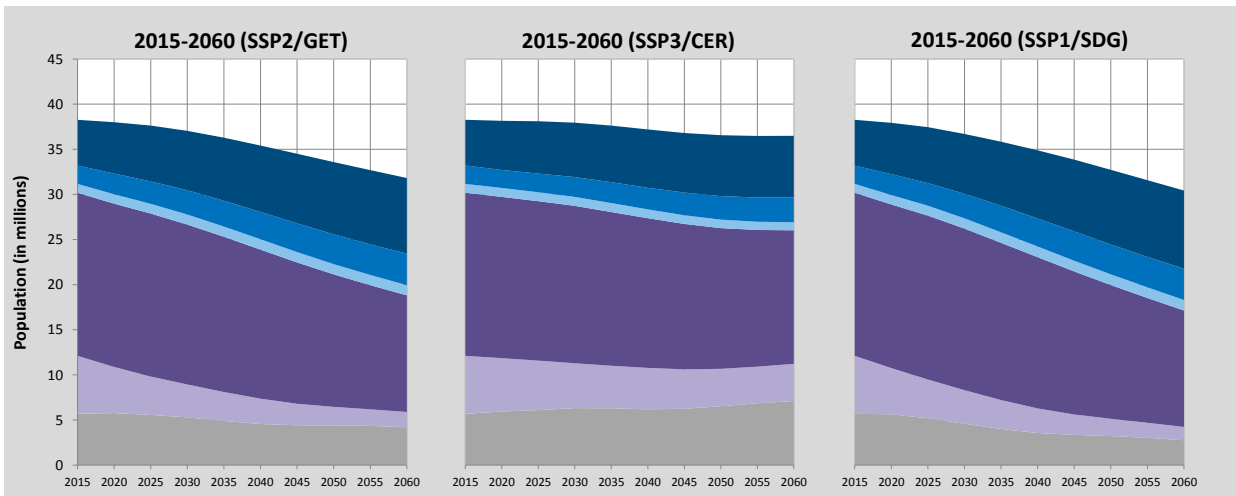


Detailed Human Capital projections to 2060

Human Capital indicators, CEPAM Medium (SSP2)

	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1-E4 - lower secondary and below	15.6%	12.9%	9.0%	6.3%	4.5%	3.3%
E5 - upper secondary	57.5%	57.4%	56.5%	54.1%	50.6%	46.8%
E6 - short post-secondary	3.3%	3.5%	3.8%	4.0%	4.1%	4.3%
E7 - bachelor	6.0%	6.7%	7.8%	9.3%	10.9%	12.3%
E8 - master and higher	17.6%	19.5%	22.9%	26.4%	30.0%	33.3%
Mean years of schooling (in years)	12.56	12.80	13.19	13.53	13.85	14.13
Age gap: highest educational attainment (ratio 35-44/50-64)						
E1-E4 - lower secondary and below	0.54	0.58	0.50	0.39	0.37	0.42
E5 - upper secondary	0.83	0.77	0.86	0.92	0.89	0.88
E6 - short post-secondary	0.86	0.93	1.17	1.19	1.17	1.14
E7 - bachelor	2.75	3.21	1.76	1.22	1.16	1.13
E8 - master and higher	2.13	1.93	1.28	1.16	1.16	1.13
Mean years of schooling (35-44 minus 50-64)	1.25	1.19	0.76	0.56	0.50	0.43
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1-E4 - lower secondary and below	0.78	0.82	0.93	1.06	1.19	1.27
E5 - upper secondary	1.24	1.23	1.23	1.25	1.31	1.39
E6 - short post-secondary	0.45	0.49	0.56	0.65	0.74	0.83
E7 - bachelor	0.83	0.76	0.68	0.62	0.57	0.54
E8 - master and higher	0.76	0.76	0.77	0.78	0.78	0.78
Mean years of schooling (male minus female)	-0.19	-0.29	-0.43	-0.54	-0.64	-0.71
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1-E4 - lower secondary and below	7%	4%	1%	1%	1%	0%
E5 - upper secondary	48%	46%	44%	39%	35%	31%
E6 - short post-secondary	4%	4%	4%	5%	5%	5%
E7 - bachelor	15%	18%	22%	24%	26%	27%
E8 - master and higher	26%	27%	29%	31%	34%	36%
Mean years of schooling (in years)	13.72	13.94	14.25	14.48	14.72	14.89
Age gap among women: highest educational attainment (ratio 35-44/50-64)						
E1-E4 - lower secondary and below	0.42	0.44	0.42	0.39	0.39	0.43
E5 - upper secondary	0.78	0.72	0.82	0.87	0.81	0.79
E6 - short post-secondary	0.80	0.75	0.87	1.09	1.17	1.15
E7 - bachelor	2.76	3.69	2.44	1.34	1.17	1.15
E8 - master and higher	2.28	1.93	1.17	1.11	1.17	1.15
Mean years of schooling (35-44 minus 50-64)	1.87	1.58	1.16	0.66	0.72	0.65

Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG



Colour legend as in pyramids above

Education scenarios

SSP2/GET : Global Education Trend Scenario (Medium assumption)

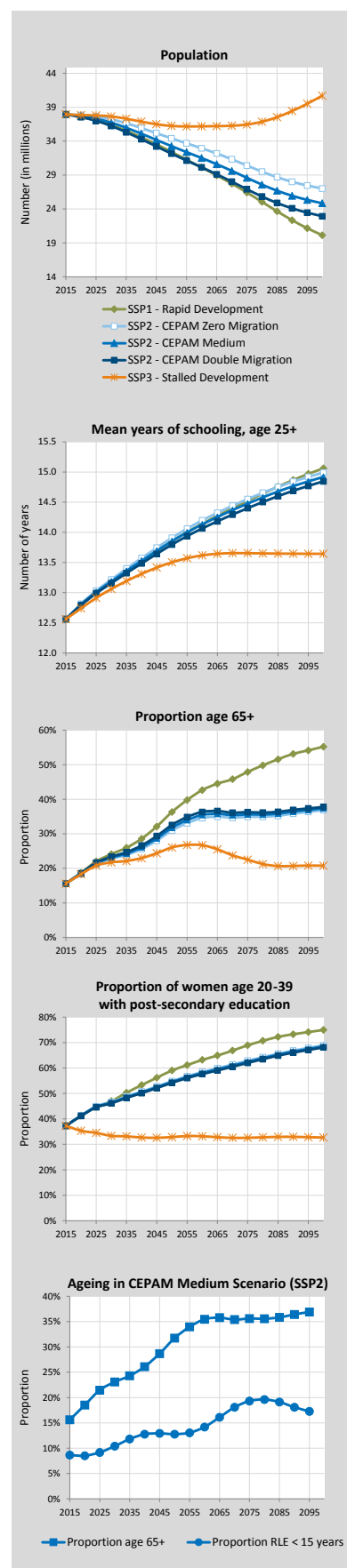
SSP3/CER : Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG : Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

Poland (Continued)

Alternative scenarios to 2100

Projection results by scenario (SSP1-SSP3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	38.27	37.94	36.71	32.73	30.43	26.74	20.45
SSP2 - CEPAM Zero Migration	38.27	38.16	37.54	34.73	33.26	30.72	27.33
SSP2 - CEPAM Medium	38.27	38.00	37.04	33.58	31.82	28.91	25.16
SSP2 - CEPAM Double Migration	38.27	37.84	36.55	32.47	30.46	27.23	23.25
SSP3 - Stalled Development	38.27	38.15	37.96	36.56	36.50	36.77	41.02
Proportion age 65+							
SSP1 - Rapid Development	15.6%	18.7%	24.1%	36.3%	42.7%	47.9%	55.2%
SSP2 - CEPAM Zero Migration	15.6%	18.4%	22.8%	30.9%	34.6%	34.9%	36.9%
SSP2 - CEPAM Medium	15.6%	18.5%	23.1%	31.7%	35.5%	35.6%	37.4%
SSP2 - CEPAM Double Migration	15.6%	18.6%	23.4%	32.6%	36.3%	36.3%	37.8%
SSP3 - Stalled Development	15.6%	18.3%	21.7%	26.1%	26.7%	22.5%	20.8%
Proportion below age 20							
SSP1 - Rapid Development	20.2%	19.6%	17.6%	13.3%	12.6%	10.6%	9.4%
SSP2 - CEPAM Zero Migration	20.2%	19.9%	19.4%	17.7%	18.0%	17.4%	17.1%
SSP2 - CEPAM Medium	20.2%	19.9%	19.3%	17.5%	17.8%	17.1%	16.9%
SSP2 - CEPAM Double Migration	20.2%	19.9%	19.2%	17.3%	17.6%	16.9%	16.8%
SSP3 - Stalled Development	20.2%	20.2%	21.6%	23.4%	25.4%	26.8%	28.0%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	37.3%	41.3%	47.0%	59.0%	63.2%	68.9%	75.0%
SSP2 - CEPAM Zero Migration	37.3%	41.4%	46.6%	54.8%	58.4%	62.8%	68.9%
SSP2 - CEPAM Medium	37.3%	41.2%	46.4%	54.5%	58.0%	62.4%	68.5%
SSP2 - CEPAM Double Migration	37.3%	41.1%	46.1%	54.2%	57.6%	62.0%	68.1%
SSP3 - Stalled Development	37.3%	35.3%	33.3%	32.9%	33.2%	32.6%	32.7%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	12.6	12.8	13.2	13.9	14.1	14.5	15.1
SSP2 - CEPAM Zero Migration	12.6	12.8	13.2	13.9	14.2	14.6	15.0
SSP2 - CEPAM Medium	12.6	12.8	13.2	13.9	14.1	14.5	14.9
SSP2 - CEPAM Double Migration	12.6	12.8	13.2	13.8	14.1	14.4	14.8
SSP3 - Stalled Development	12.6	12.7	13.1	13.5	13.6	13.7	13.6
Demographic assumptions underlying SSPs							
	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.32	1.29	1.25	1.27	1.27	1.28	1.28
SSP2 - CEPAM Zero Migration	1.42	1.50	1.59	1.70	1.71	1.71	1.71
SSP2 - CEPAM Medium	1.42	1.50	1.60	1.70	1.71	1.71	1.72
SSP2 - CEPAM Double Migration	1.42	1.50	1.60	1.71	1.72	1.71	1.72
SSP3 - Stalled Development	1.55	1.81	2.11	2.37	2.40	2.42	2.45
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	82.2	83.7	86.7	92.7	95.7	100.3	106.3
SSP2 - CEPAM Zero Migration	81.6	82.7	84.7	88.7	90.7	93.8	97.8
SSP2 - CEPAM Medium	81.6	82.7	84.7	88.7	90.7	93.8	97.8
SSP2 - CEPAM Double Migration	81.6	82.7	84.7	88.7	90.7	93.7	97.8
SSP3 - Stalled Development	81.1	81.6	82.6	84.7	85.7	87.1	89.1
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-148.3	-141.8	-127.5	-93.7	-79.3	-57.1	-34.6
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-148.0	-141.1	-125.7	-89.9	-75.5	-54.0	-38.7
SSP2 - CEPAM Double Migration	-295.9	-280.7	-246.7	-169.3	-138.2	-92.3	-60.1
SSP3 - Stalled Development	-98.5	-47.0	-0.1	-0.1	-0.1	-0.1	-0.1
Ageing indicators by scenario							
	2015	2020	2030	2050	2060	2075	2095
Median age							
SSP1 - Rapid Development	39.7	41.8	46.8	55.8	58.7	63.4	68.8
SSP2 - CEPAM Zero Migration	39.7	41.6	45.7	50.6	50.9	52.1	52.4
SSP2 - CEPAM Medium	39.7	41.7	45.9	51.3	51.5	52.7	52.8
SSP2 - CEPAM Double Migration	39.7	41.7	46.2	51.9	52.1	53.3	53.1
SSP3 - Stalled Development	39.7	41.4	44.7	44.0	41.6	39.1	37.7
Proportion with less than 15 years of remaining life expectancy (RLE)							
SSP1 - Rapid Development	8.6%	8.5%	10.4%	12.8%	14.2%	19.3%	17.3%
SSP2 - CEPAM Zero Migration	9.0%	9.2%	11.5%	12.5%	14.3%	16.5%	13.3%
SSP2 - CEPAM Medium	9.0%	9.2%	11.7%	12.9%	14.8%	17.1%	13.6%
SSP2 - CEPAM Double Migration	9.0%	9.2%	11.8%	13.3%	15.4%	17.7%	13.9%
SSP3 - Stalled Development	9.3%	9.9%	12.8%	12.9%	14.4%	12.6%	8.9%



Poland (Continued)

Labour force projections to 2060

Labour force indicators

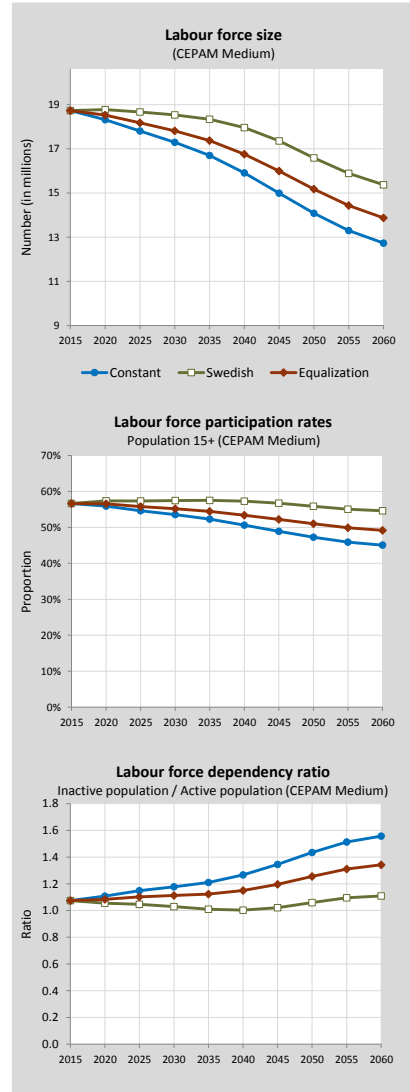
	2015	2020	2030	2040	2050	2060
Labour force size, by participation and migration scenario (in millions)						
Constant (CEPAM Zero Migration)	18.45	18.14	17.33	16.14	14.46	13.21
Constant (CEPAM Medium)	18.45	18.03	17.01	15.63	13.79	12.45
Constant (CEPAM Double Migration)	18.45	17.92	16.70	15.13	13.15	11.72
Swedish (CEPAM Zero Migration)	18.45	18.60	18.58	18.22	17.05	15.99
Swedish (CEPAM Medium)	18.45	18.49	18.25	17.68	16.31	15.09
Swedish (CEPAM Double Migration)	18.45	18.38	17.93	17.14	15.58	14.24
Equalization (CEPAM Zero Migration)	18.45	18.35	17.85	17.00	15.59	14.41
Equalization (CEPAM Medium)	18.45	18.24	17.53	16.47	14.89	13.59
Equalization (CEPAM Double Migration)	18.45	18.13	17.21	15.96	14.21	12.80
Constant (CEPAM Medium-low fertility)	18.45	18.03	17.01	15.52	13.24	11.30
Swedish (CEPAM Medium-low fertility)	18.45	18.49	18.25	17.51	15.61	13.71
Equalization (CEPAM Medium-low fertility)	18.45	18.24	17.53	16.36	14.29	12.35

Labour force participation rates, age 15+, by participation scenario (CEPAM Medium)

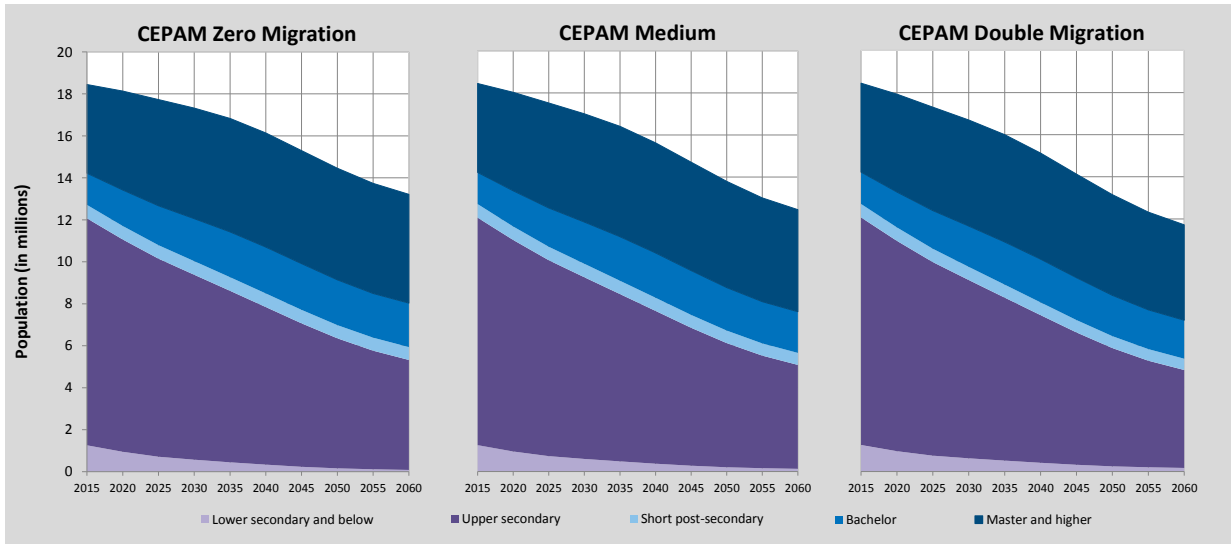
TOTAL (Constant)	56.6%	55.9%	53.6%	50.6%	47.3%	45.1%
TOTAL (Swedish)	56.6%	57.4%	57.5%	57.3%	55.9%	54.6%
TOTAL (Equalization)	56.6%	56.6%	55.2%	53.4%	51.0%	49.2%
MALE (Constant)	65.2%	64.2%	60.9%	58.0%	54.5%	51.6%
MALE (Swedish)	65.2%	65.2%	63.9%	63.2%	61.3%	59.4%
MALE (Equalization)	65.2%	64.2%	60.9%	58.0%	54.5%	51.6%
FEMALE (Constant)	48.8%	48.4%	46.9%	44.0%	40.7%	39.1%
FEMALE (Swedish)	48.8%	50.2%	51.6%	51.9%	50.9%	50.2%
FEMALE (Equalization)	48.8%	49.7%	50.0%	49.2%	47.9%	47.0%

Labour force (15+) by highest level of educational attainment. Columns sum to 100%. (CEPAM Medium; Constant participation)

TOTAL E1-E4 - lower secondary and below	6.8%	5.3%	3.5%	2.4%	1.5%	1.0%
TOTAL E5 - upper secondary	58.6%	55.8%	50.8%	46.5%	42.8%	39.7%
TOTAL E6 - short post-secondary	3.5%	3.5%	3.7%	4.0%	4.3%	4.6%
TOTAL E7 - bachelor	8.2%	9.4%	11.7%	13.7%	14.8%	15.7%
TOTAL E8 - master and higher	22.9%	26.0%	30.3%	33.5%	36.6%	39.0%
MALE E1-E4 - lower secondary and below	8.4%	6.6%	4.6%	3.2%	2.0%	1.3%
MALE E5 - upper secondary	65.4%	63.3%	59.2%	55.5%	52.3%	49.8%
MALE E6 - short post-secondary	2.3%	2.6%	3.1%	3.7%	4.1%	4.4%
MALE E7 - bachelor	6.5%	7.2%	8.5%	9.4%	10.0%	10.6%
MALE E8 - master and higher	17.5%	20.3%	24.6%	28.3%	31.6%	33.9%
FEMALE E1-E4 - lower secondary and below	4.9%	3.7%	2.3%	1.5%	0.9%	0.7%
FEMALE E5 - upper secondary	50.4%	46.7%	40.8%	35.7%	31.1%	27.5%
FEMALE E6 - short post-secondary	5.0%	4.7%	4.4%	4.3%	4.6%	4.8%
FEMALE E7 - bachelor	10.2%	12.1%	15.4%	18.8%	20.7%	21.9%
FEMALE E8 - master and higher	29.5%	32.9%	37.1%	39.7%	42.7%	45.1%



Labour force size by educational attainment according to three migration scenarios, 2015-2060 (Labour force participation = Constant scenario)



Portugal

Detailed Human Capital projections to 2060

Comparison of CEPAM projections with other sources

Demographic indicators - CEPAM Medium Scenario (SSP2), Eurostat and national projections		2015	2020	2030	2040	2050	2060
Population (in millions)	CEPAM	10.42	10.20	9.75	9.29	8.79	8.28
	Eurostat	10.37	10.21	9.88	9.55	9.12	8.55
	National	10.36	10.18	9.86	9.55	9.11	8.58
Proportion age 65+	CEPAM	20.7%	22.8%	25.0%	27.7%	30.2%	33.3%
	Eurostat	20.3%	22.3%	26.9%	31.6%	35.0%	34.9%
	National	20.7%	22.8%	27.7%	32.7%	35.7%	35.5%
Proportion below age 20	CEPAM	19.4%	18.3%	16.6%	16.4%	16.5%	16.5%
	Eurostat	19.7%	18.4%	15.9%	15.4%	15.7%	15.5%
	National	19.5%	18.2%	16.0%	15.6%	15.9%	15.9%
Median age	CEPAM	43.9	46.2	50.4	53.0	53.9	54.4
	Eurostat	43.6	45.8	49.8	51.6	52.4	53.4
	National	44.0	46.4	50.4	52.3	53.0	53.7
Old-age dependency ratio (65+/15-64)	CEPAM	0.32	0.36	0.46	0.61	0.74	0.74
	Eurostat	0.31	0.35	0.44	0.56	0.65	0.65
	National	0.32	0.35	0.46	0.59	0.68	0.67
Young-age dependency ratio (0-14/15-64)	CEPAM	0.22	0.21	0.20	0.22	0.24	0.24
	Eurostat	0.22	0.20	0.18	0.20	0.22	0.21
	National	0.22	0.20	0.19	0.21	0.22	0.22
Parent support ratio (85+/50-64)	CEPAM	0.13	0.15	0.19	0.30	0.50	0.66
	Eurostat	0.12	0.15	0.18	0.27	0.41	0.48
	National	0.13	0.15	0.18	0.28	0.42	0.50

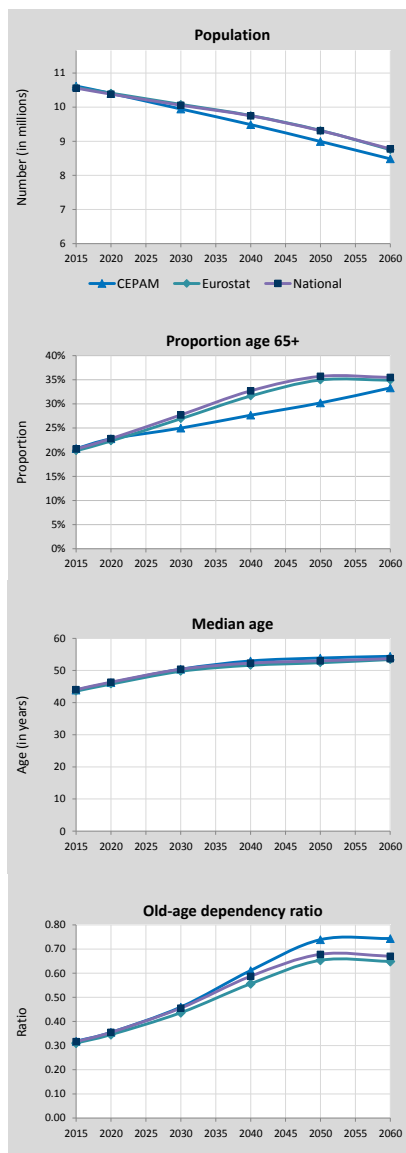
Demographic assumptions underlying projections

		2010-2015	2015-2020	2025-2030	2035-2040	2045-2050	2055-2060	
Total fertility rate	CEPAM	1.34	1.41	1.46	1.57	1.65	1.70	
	Eurostat	1.29	1.29	1.32	1.39	1.45	1.51	
	National	1.25	1.29	1.32	1.39	1.46	1.53	
Life expectancy at birth (in years)								
	Male	CEPAM	78.5	79.6	80.6	82.7	84.8	86.9
		Eurostat	78.5	79.3	80.1	81.6	83.0	84.4
National		78.1	79.0	79.8	81.3	82.7	83.9	
Female	CEPAM	84.3	85.3	86.3	88.3	90.4	92.4	
	Eurostat	84.6	85.2	85.8	87.0	88.2	89.2	
	National	84.1	85.0	85.8	87.2	88.5	89.6	
Five-year net migration flow (in thousands)	CEPAM	-73.8	-59.8	-46.2	-20.8	2.4	23.2	
	Eurostat	-25.2	26.6	54.4	89.4	83.7	74.3	
	National	-29.1	26.9	60.8	97.5	97.5	97.5	

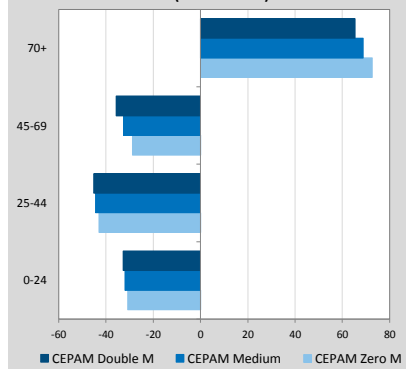
Changes in population size and structure according to CEPAM scenarios (impact of migration)

Population size according to CEPAM projections to 2060

		2015	2020	2030	2040	2050	2060
Population (in millions)	Zero M	10.42	10.28	9.95	9.57	9.09	8.54
	Medium	10.42	10.20	9.75	9.29	8.79	8.28
	Double M	10.42	10.13	9.55	9.03	8.54	8.08
Population 0-24 (in millions)	Zero M	2.56	2.43	2.16	2.00	1.89	1.77
	Medium	2.56	2.41	2.10	1.93	1.83	1.74
	Double M	2.56	2.39	2.05	1.86	1.78	1.72
Population 25-44 (in millions)	Zero M	2.83	2.54	2.18	2.00	1.75	1.61
	Medium	2.83	2.50	2.08	1.90	1.68	1.57
	Double M	2.83	2.45	1.98	1.81	1.62	1.55
Population 45-69 (in millions)	Zero M	3.47	3.61	3.61	3.21	2.74	2.48
	Medium	3.47	3.60	3.57	3.11	2.60	2.34
	Double M	3.47	3.59	3.53	3.01	2.47	2.23
Population 70+ (in millions)	Zero M	1.55	1.70	2.00	2.36	2.71	2.68
	Medium	1.55	1.70	2.00	2.35	2.68	2.63
	Double M	1.55	1.70	2.00	2.34	2.66	2.57

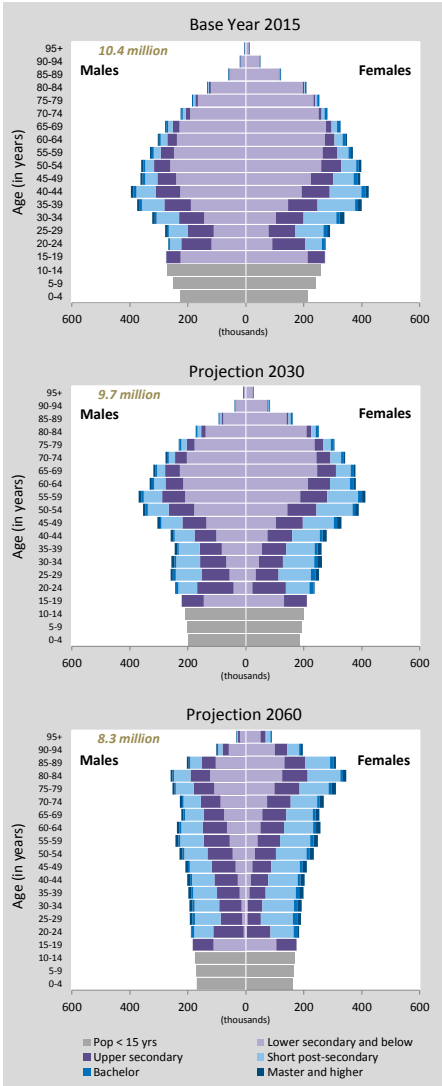


Change in population size between 2015 and 2060 (in % of 2015)



Portugal (Continued)

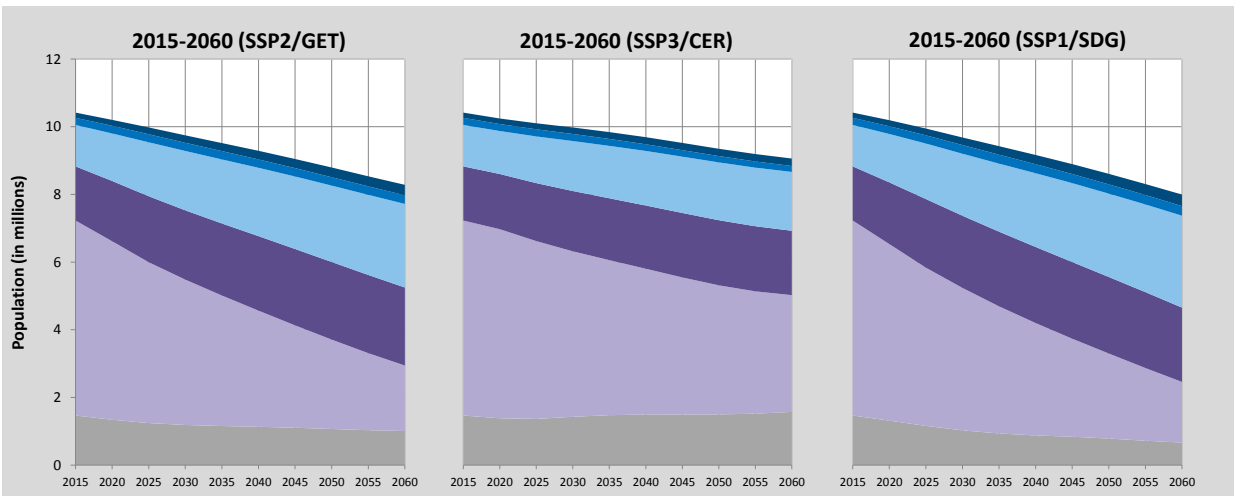
Pyramids by education, CEPAM Medium



Detailed Human Capital projections to 2060

Human Capital indicators, CEPAM Medium (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1-E4 - lower secondary and below	65.1%	60.9%	51.7%	42.8%	34.3%	26.1%
E5 - upper secondary	16.2%	17.9%	21.6%	25.1%	28.0%	30.2%
E6 - short post-secondary	14.3%	16.4%	21.0%	25.6%	30.4%	35.5%
E7 - bachelor	2.5%	2.7%	2.9%	3.1%	3.3%	3.5%
E8 - master and higher	1.9%	2.2%	2.8%	3.4%	4.0%	4.6%
Mean years of schooling (in years)	7.73	8.28	9.37	10.32	11.14	11.84
Age gap: highest educational attainment (ratio 35-44/50-64)						
E1-E4 - lower secondary and below	0.65	0.61	0.59	0.54	0.51	0.50
E5 - upper secondary	1.73	1.58	1.38	1.23	1.10	1.01
E6 - short post-secondary	2.57	2.34	1.51	1.32	1.26	1.21
E7 - bachelor	1.11	1.04	1.14	1.36	1.26	1.21
E8 - master and higher	1.67	1.62	1.64	1.41	1.26	1.21
Mean years of schooling (35-44 minus 50-64)	3.62	3.11	1.92	1.36	1.02	0.77
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1-E4 - lower secondary and below	1.06	1.07	1.10	1.13	1.16	1.21
E5 - upper secondary	1.06	1.06	1.07	1.11	1.14	1.19
E6 - short post-secondary	0.76	0.77	0.79	0.80	0.80	0.81
E7 - bachelor	0.72	0.72	0.71	0.69	0.68	0.67
E8 - master and higher	0.91	0.87	0.82	0.78	0.74	0.71
Mean years of schooling (male minus female)	0.10	0.03	-0.09	-0.21	-0.30	-0.36
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1-E4 - lower secondary and below	32%	26%	15%	10%	6%	4%
E5 - upper secondary	31%	33%	36%	35%	33%	30%
E6 - short post-secondary	30%	33%	39%	45%	49%	53%
E7 - bachelor	3%	4%	5%	6%	6%	7%
E8 - master and higher	3%	4%	5%	5%	6%	6%
Mean years of schooling (in years)	11.52	11.90	12.56	12.94	13.21	13.41
Age gap among women: highest educational attainment (ratio 35-44/50-64)						
E1-E4 - lower secondary and below	0.57	0.53	0.52	0.52	0.48	0.46
E5 - upper secondary	1.77	1.56	1.37	1.14	0.98	0.92
E6 - short post-secondary	2.71	2.34	1.41	1.27	1.28	1.22
E7 - bachelor	1.06	1.08	1.29	1.44	1.28	1.22
E8 - master and higher	2.00	1.97	1.82	1.43	1.28	1.22
Mean years of schooling (35-44 minus 50-64)	4.87	4.17	2.53	1.57	1.29	1.01

Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG



Colour legend as in pyramids above

Education scenarios

SSP2/GET : Global Education Trend Scenario (Medium assumption)

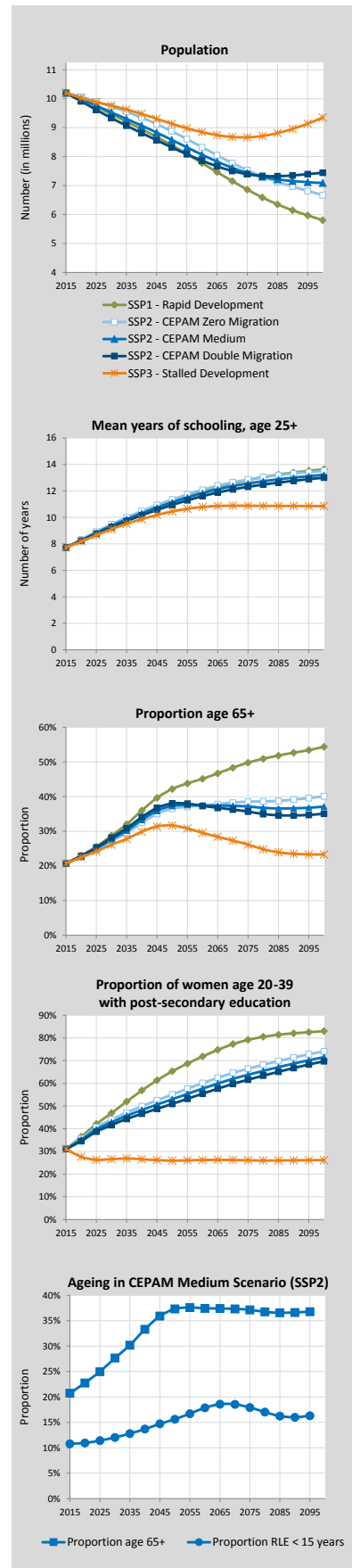
SSP3/CER : Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG : Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

Portugal (Continued)

Alternative scenarios to 2100

Projection results by scenario (SSP1-SSP3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	10.42	10.20	9.68	8.61	7.99	7.08	6.02
SSP2 - CEPAM Zero Migration	10.42	10.28	9.95	9.09	8.54	7.75	6.89
SSP2 - CEPAM Medium	10.42	10.20	9.75	8.79	8.28	7.65	7.30
SSP2 - CEPAM Double Migration	10.42	10.13	9.55	8.54	8.08	7.61	7.66
SSP3 - Stalled Development	10.42	10.25	9.98	9.35	9.06	8.88	9.56
Proportion age 65+							
SSP1 - Rapid Development	20.7%	22.9%	28.8%	42.2%	45.1%	49.8%	54.4%
SSP2 - CEPAM Zero Migration	20.7%	22.6%	27.1%	36.5%	37.4%	38.6%	40.1%
SSP2 - CEPAM Medium	20.7%	22.8%	27.7%	37.3%	37.5%	37.1%	37.1%
SSP2 - CEPAM Double Migration	20.7%	22.9%	28.2%	38.0%	37.3%	35.7%	35.1%
SSP3 - Stalled Development	20.7%	22.5%	26.1%	31.7%	29.6%	26.2%	23.3%
Proportion below age 20							
SSP1 - Rapid Development	19.4%	18.1%	15.0%	12.5%	11.6%	10.9%	10.1%
SSP2 - CEPAM Zero Migration	19.4%	18.3%	16.8%	16.4%	16.2%	16.6%	16.1%
SSP2 - CEPAM Medium	19.4%	18.3%	16.6%	16.5%	16.5%	17.3%	17.3%
SSP2 - CEPAM Double Migration	19.4%	18.3%	16.5%	16.5%	16.8%	18.0%	18.1%
SSP3 - Stalled Development	19.4%	18.7%	18.7%	21.4%	22.8%	25.4%	26.5%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	31.0%	36.4%	46.9%	65.3%	71.8%	79.2%	83.0%
SSP2 - CEPAM Zero Migration	31.0%	35.7%	44.0%	55.1%	60.1%	66.4%	74.1%
SSP2 - CEPAM Medium	31.0%	35.1%	42.8%	53.0%	57.7%	63.8%	71.5%
SSP2 - CEPAM Double Migration	31.0%	34.5%	41.6%	50.9%	55.4%	61.6%	69.7%
SSP3 - Stalled Development	31.0%	27.6%	26.6%	25.9%	26.2%	26.1%	26.1%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	7.7	8.3	9.4	11.2	12.0	12.8	13.6
SSP2 - CEPAM Zero Migration	7.7	8.3	9.5	11.4	12.1	12.9	13.5
SSP2 - CEPAM Medium	7.7	8.3	9.4	11.1	11.8	12.6	13.2
SSP2 - CEPAM Double Migration	7.7	8.2	9.3	10.9	11.6	12.3	13.0
SSP3 - Stalled Development	7.7	8.2	9.1	10.5	10.8	10.9	10.9
Demographic assumptions underlying SSPs							
	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.25	1.21	1.18	1.25	1.27	1.28	1.29
SSP2 - CEPAM Zero Migration	1.34	1.41	1.52	1.68	1.71	1.72	1.71
SSP2 - CEPAM Medium	1.34	1.41	1.52	1.68	1.71	1.72	1.72
SSP2 - CEPAM Double Migration	1.34	1.41	1.52	1.68	1.71	1.72	1.72
SSP3 - Stalled Development	1.46	1.68	1.97	2.29	2.35	2.38	2.40
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	84.8	86.3	89.3	95.4	98.4	102.9	109.0
SSP2 - CEPAM Zero Migration	84.3	85.3	87.3	91.4	93.5	96.5	100.6
SSP2 - CEPAM Medium	84.3	85.3	87.3	91.4	93.4	96.4	100.5
SSP2 - CEPAM Double Migration	84.3	85.3	87.3	91.4	93.3	96.3	100.4
SSP3 - Stalled Development	83.8	84.3	85.3	87.2	88.2	89.6	91.5
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-74.1	-61.0	-37.7	1.7	17.2	33.3	36.2
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-73.8	-59.8	-33.2	13.3	32.0	49.0	51.4
SSP2 - CEPAM Double Migration	-147.5	-116.8	-60.1	32.1	65.7	90.5	79.4
SSP3 - Stalled Development	-49.0	-19.7	0.0	0.0	0.1	0.1	0.1
Ageing indicators by scenario							
	2015	2020	2030	2050	2060	2075	2095
Median age							
SSP1 - Rapid Development	43.9	46.3	51.3	58.5	61.1	64.8	68.4
SSP2 - CEPAM Zero Migration	43.9	46.0	49.9	53.5	54.7	54.5	55.5
SSP2 - CEPAM Medium	43.9	46.2	50.4	53.9	54.4	53.0	52.9
SSP2 - CEPAM Double Migration	43.9	46.4	50.9	54.2	54.0	51.5	51.0
SSP3 - Stalled Development	43.9	46.0	48.9	48.3	45.6	41.7	39.7
Proportion with less than 15 years of remaining life expectancy (RLE)							
SSP1 - Rapid Development	10.8%	11.0%	12.0%	15.6%	17.9%	17.9%	16.3%
SSP2 - CEPAM Zero Migration	11.1%	11.5%	12.7%	16.0%	17.8%	15.9%	15.2%
SSP2 - CEPAM Medium	11.1%	11.6%	12.9%	16.5%	18.2%	15.5%	13.8%
SSP2 - CEPAM Double Migration	11.1%	11.6%	13.2%	16.9%	18.5%	15.0%	12.7%
SSP3 - Stalled Development	11.5%	12.1%	13.5%	16.7%	16.8%	13.2%	10.5%



Portugal (Continued)

Labour force projections to 2060

Labour force indicators

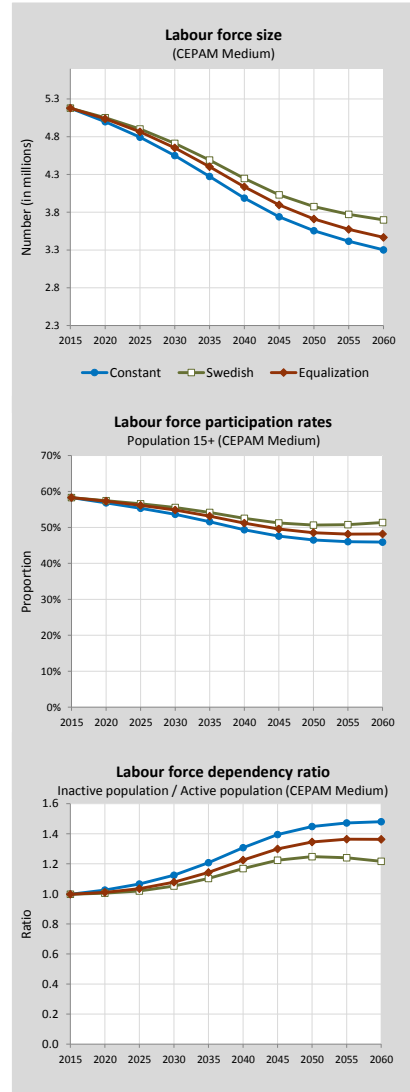
	2015	2020	2030	2040	2050	2060
Labour force size, by participation and migration scenario (in millions)						
Constant (CEPAM Zero Migration)	5.22	5.09	4.73	4.22	3.79	3.49
Constant (CEPAM Medium)	5.22	5.04	4.59	4.03	3.59	3.34
Constant (CEPAM Double Migration)	5.22	4.98	4.46	3.85	3.43	3.23
Swedish (CEPAM Zero Migration)	5.22	5.14	4.89	4.48	4.12	3.90
Swedish (CEPAM Medium)	5.22	5.09	4.75	4.28	3.91	3.74
Swedish (CEPAM Double Migration)	5.22	5.04	4.61	4.10	3.73	3.61
Equalization (CEPAM Zero Migration)	5.22	5.13	4.83	4.37	3.95	3.65
Equalization (CEPAM Medium)	5.22	5.08	4.69	4.18	3.75	3.51
Equalization (CEPAM Double Migration)	5.22	5.02	4.56	4.00	3.58	3.40
Constant (CEPAM Medium-low fertility)	5.22	5.04	4.59	4.00	3.45	3.03
Swedish (CEPAM Medium-low fertility)	5.22	5.09	4.75	4.24	3.73	3.38
Equalization (CEPAM Medium-low fertility)	5.22	5.08	4.69	4.15	3.60	3.19

Labour force participation rates, age 15+, by participation scenario (CEPAM Medium)

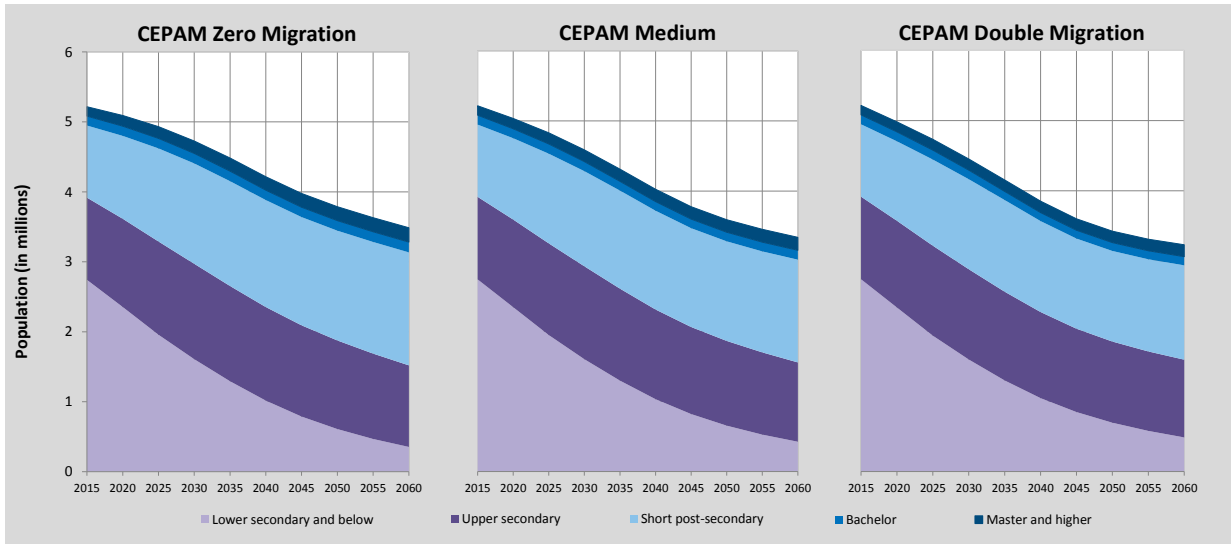
TOTAL (Constant)	58.3%	56.8%	53.6%	49.4%	46.5%	45.9%
TOTAL (Swedish)	58.3%	57.4%	55.5%	52.5%	50.7%	51.4%
TOTAL (Equalization)	58.3%	57.3%	54.8%	51.2%	48.5%	48.2%
MALE (Constant)	63.9%	62.2%	58.9%	54.7%	51.8%	51.1%
MALE (Swedish)	63.9%	62.7%	60.6%	57.6%	55.6%	56.3%
MALE (Equalization)	63.9%	62.2%	58.9%	54.7%	51.8%	51.1%
FEMALE (Constant)	53.4%	52.1%	49.0%	44.7%	42.0%	41.4%
FEMALE (Swedish)	53.4%	52.8%	51.1%	48.1%	46.3%	47.1%
FEMALE (Equalization)	53.4%	53.0%	51.3%	48.1%	45.7%	45.6%

Labour force (15+) by highest level of educational attainment. Columns sum to 100%. (CEPAM Medium; Constant participation)

TOTAL E1-E4 - lower secondary and below	52.5%	46.5%	34.9%	25.6%	18.2%	12.7%
TOTAL E5 - upper secondary	22.5%	24.8%	28.9%	31.8%	33.6%	33.9%
TOTAL E6 - short post-secondary	19.8%	23.0%	29.6%	34.9%	39.5%	43.9%
TOTAL E7 - bachelor	2.6%	2.7%	3.0%	3.2%	3.6%	4.0%
TOTAL E8 - master and higher	2.6%	2.9%	3.7%	4.4%	5.0%	5.5%
MALE E1-E4 - lower secondary and below	59.0%	53.4%	41.9%	31.7%	23.2%	16.4%
MALE E5 - upper secondary	21.4%	23.8%	28.5%	32.6%	36.0%	37.9%
MALE E6 - short post-secondary	15.4%	18.2%	24.4%	29.8%	34.1%	38.3%
MALE E7 - bachelor	2.1%	2.2%	2.4%	2.5%	2.8%	3.1%
MALE E8 - master and higher	2.2%	2.4%	2.9%	3.4%	3.9%	4.4%
FEMALE E1-E4 - lower secondary and below	45.8%	39.3%	27.6%	19.1%	12.9%	8.8%
FEMALE E5 - upper secondary	23.8%	25.9%	29.3%	31.0%	31.0%	29.6%
FEMALE E6 - short post-secondary	24.4%	28.0%	35.0%	40.5%	45.3%	49.8%
FEMALE E7 - bachelor	3.1%	3.2%	3.6%	4.0%	4.6%	5.0%
FEMALE E8 - master and higher	3.0%	3.5%	4.4%	5.4%	6.1%	6.8%



Labour force size by educational attainment according to three migration scenarios, 2015-2060 (Labour force participation = Constant scenario)



Romania

Detailed Human Capital projections to 2060

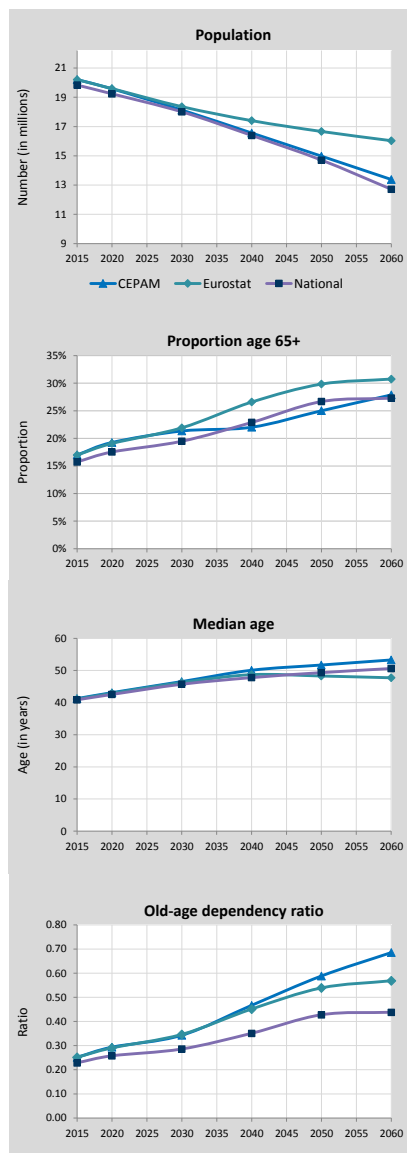
Comparison of CEPAM projections with other sources

Demographic indicators - CEPAM Medium Scenario (SSP2), Eurostat and national projections		2015	2020	2030	2040	2050	2060
Population (in millions)	CEPAM	19.87	19.25	17.80	16.23	14.64	13.05
	Eurostat	19.87	19.26	18.02	17.07	16.33	15.70
	National	19.50	18.90	17.67	16.06	14.37	12.38
Proportion age 65+	CEPAM	17.0%	19.3%	21.3%	22.0%	25.0%	27.9%
	Eurostat	17.0%	19.1%	21.9%	26.6%	29.8%	30.8%
	National	15.7%	17.5%	19.5%	22.9%	26.7%	27.3%
Proportion below age 20	CEPAM	20.9%	20.5%	18.9%	17.3%	16.6%	16.0%
	Eurostat	20.9%	20.6%	19.8%	19.7%	19.8%	20.3%
	National	21.0%	20.1%	17.5%	16.4%	15.5%	14.7%
Median age	CEPAM	41.3	43.1	46.6	50.1	51.7	53.3
	Eurostat	41.1	42.9	46.3	48.7	48.3	47.7
	National	40.9	42.5	45.7	47.8	49.3	50.6
Old-age dependency ratio (65+/15-64)	CEPAM	0.25	0.29	0.34	0.47	0.59	0.69
	Eurostat	0.25	0.29	0.35	0.45	0.54	0.57
	National	0.23	0.26	0.29	0.35	0.43	0.44
Young-age dependency ratio (0-14/15-64)	CEPAM	0.23	0.23	0.21	0.21	0.22	0.22
	Eurostat	0.23	0.23	0.23	0.25	0.27	0.28
	National	0.23	0.21	0.18	0.18	0.18	0.17
Parent support ratio (85+/50-64)	CEPAM	0.09	0.10	0.11	0.20	0.28	0.49
	Eurostat	0.08	0.10	0.11	0.18	0.25	0.40
	National	-	-	-	-	-	-

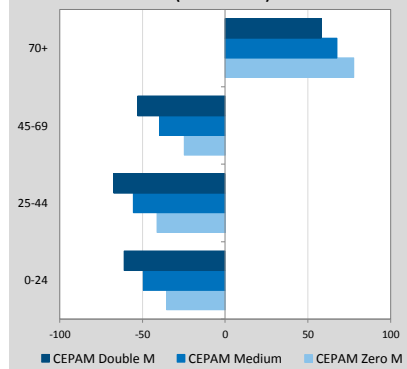
Demographic assumptions underlying projections		2010-2015	2015-2020	2025-2030	2035-2040	2045-2050	2055-2060	
Total fertility rate	CEPAM	1.50	1.51	1.50	1.51	1.51	1.51	
	Eurostat	1.64	1.75	1.80	1.85	1.87	1.88	
	National	1.34	1.32	1.30	1.27	1.25	1.25	
Life expectancy at birth (in years)								
	Male	CEPAM	72.2	73.2	74.3	76.5	78.7	80.9
		Eurostat	72.2	73.6	74.8	77.2	79.4	81.4
National		72.3	73.0	73.7	74.6	75.3	75.5	
Female	CEPAM	79.1	80.1	81.1	83.1	85.2	87.2	
	Eurostat	79.3	80.4	81.3	83.2	84.9	86.5	
	National	79.4	80.1	80.7	81.6	82.3	82.5	
Five-year net migration flow (in thousands)	CEPAM	-289.1	-277.5	-264.9	-237.2	-209.5	-182.5	
	Eurostat	-314.4	-329.0	-298.8	-25.0	8.1	14.1	
	National	-21.9	-14.1	-12.8	-2.5	0.7	3.0	

Changes in population size and structure according to CEPAM scenarios (impact of migration)

Population size according to CEPAM projections to 2060		2015	2020	2030	2040	2050	2060
Population (in millions)	Zero M	19.87	19.55	18.76	17.84	16.86	15.83
	Medium	19.87	19.25	17.80	16.23	14.64	13.05
	Double M	19.87	18.94	16.86	14.73	12.67	10.69
Population 0-24 (in millions)	Zero M	5.30	5.10	4.67	4.17	3.75	3.42
	Medium	5.30	5.01	4.37	3.67	3.10	2.68
	Double M	5.30	4.91	4.07	3.20	2.53	2.07
Population 25-44 (in millions)	Zero M	5.78	5.37	4.66	4.11	3.83	3.41
	Medium	5.78	5.19	4.17	3.48	3.11	2.57
	Double M	5.78	5.01	3.70	2.92	2.50	1.90
Population 45-69 (in millions)	Zero M	6.47	6.62	6.40	6.22	5.40	4.87
	Medium	6.47	6.59	6.24	5.77	4.63	3.90
	Double M	6.47	6.56	6.08	5.33	3.93	3.06
Population 70+ (in millions)	Zero M	2.32	2.46	3.03	3.34	3.88	4.13
	Medium	2.32	2.46	3.02	3.31	3.80	3.89
	Double M	2.32	2.46	3.01	3.28	3.72	3.67

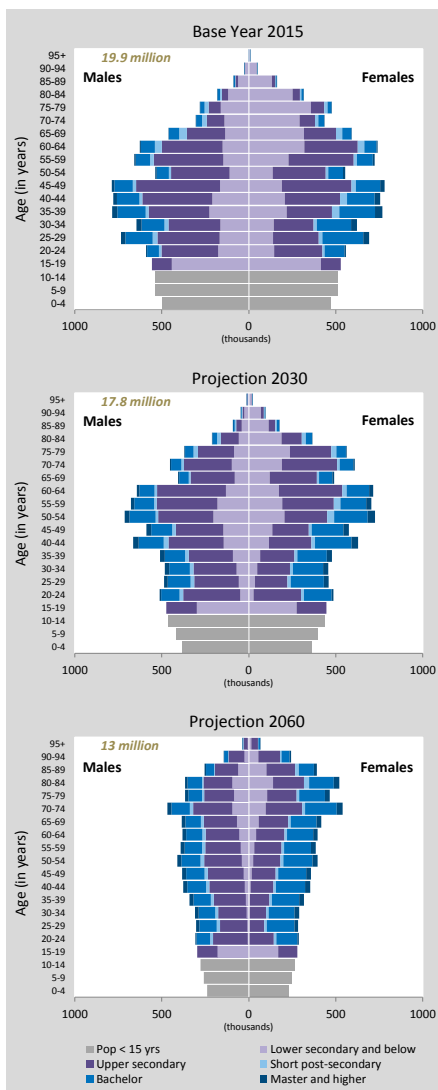


Change in population size between 2015 and 2060 (in % of 2015)



Romania (Continued)

Pyramids by education, CEPAM Medium



Detailed Human Capital projections to 2060

Human Capital indicators, CEPAM Medium (SSP2)

	2015	2020	2030	2040	2050	2060
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Population age 25+: highest educational attainment (columns sum to 100%)

E1-E4 - lower secondary and below	34.1%	30.7%	24.8%	20.2%	16.6%	13.4%
E5 - upper secondary	43.1%	44.5%	46.3%	46.7%	45.9%	44.6%
E6 - short post-secondary	4.0%	4.0%	4.0%	3.9%	4.1%	4.3%
E7 - bachelor	16.3%	18.0%	21.3%	24.7%	28.2%	31.6%
E8 - master and higher	2.4%	2.9%	3.6%	4.5%	5.3%	6.0%
Mean years of schooling (in years)	10.91	11.21	11.71	12.09	12.42	12.71

Age gap: highest educational attainment (ratio 35-44/50-64)

E1-E4 - lower secondary and below	0.98	1.10	0.70	0.48	0.44	0.42
E5 - upper secondary	0.80	0.71	0.94	1.13	1.04	0.98
E6 - short post-secondary	0.99	1.30	1.06	1.14	1.20	1.16
E7 - bachelor	1.70	1.73	1.43	1.22	1.19	1.16
E8 - master and higher	2.98	2.38	1.51	1.22	1.19	1.16
Mean years of schooling (35-44 minus 50-64)	0.50	0.44	0.83	0.97	0.77	0.56

Gender gap (population age 25+): highest educational attainment (ratio male/female)

E1-E4 - lower secondary and below	0.74	0.76	0.83	0.92	1.00	1.05
E5 - upper secondary	1.32	1.29	1.25	1.24	1.27	1.33
E6 - short post-secondary	1.03	1.00	0.95	0.95	0.99	1.04
E7 - bachelor	0.90	0.86	0.79	0.74	0.70	0.67
E8 - master and higher	0.88	0.88	0.86	0.84	0.82	0.81
Mean years of schooling (male minus female)	0.55	0.37	0.05	-0.19	-0.35	-0.46

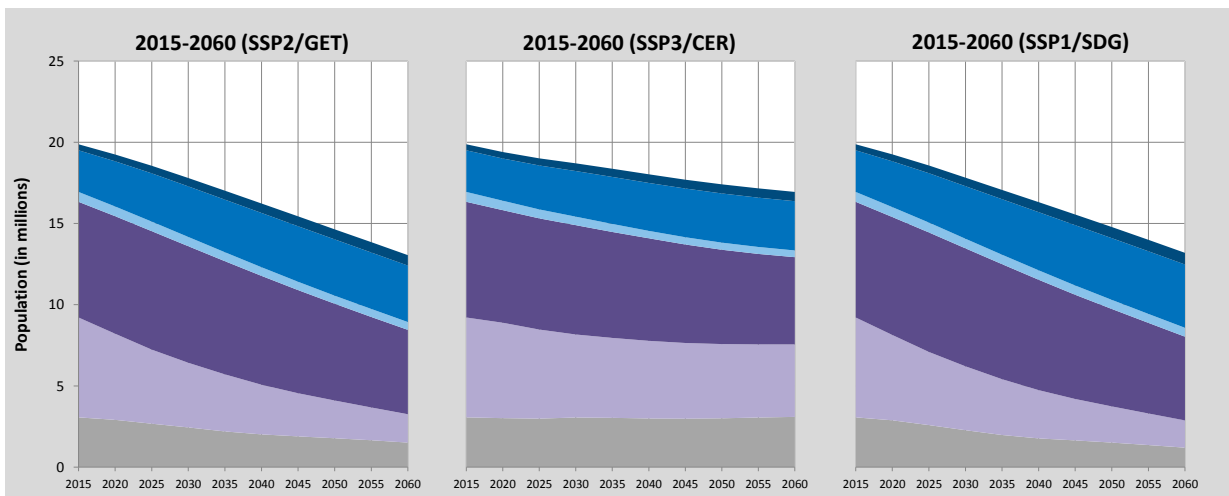
Women age 20-39: highest educational attainment (columns sum to 100%)

E1-E4 - lower secondary and below	25%	19%	9%	5%	3%	1%
E5 - upper secondary	39%	41%	45%	44%	41%	37%
E6 - short post-secondary	4%	3%	4%	4%	4%	5%
E7 - bachelor	29%	32%	37%	41%	46%	50%
E8 - master and higher	4%	5%	5%	6%	7%	7%
Mean years of schooling (in years)	11.97	12.37	13.00	13.38	13.68	13.90

Age gap among women: highest educational attainment (ratio 35-44/50-64)

E1-E4 - lower secondary and below	0.82	0.97	0.61	0.40	0.36	0.32
E5 - upper secondary	0.78	0.67	0.94	1.13	0.98	0.89
E6 - short post-secondary	1.53	1.52	0.70	0.94	1.23	1.20
E7 - bachelor	1.95	1.87	1.57	1.28	1.23	1.20
E8 - master and higher	3.59	2.43	1.40	1.20	1.23	1.20
Mean years of schooling (35-44 minus 50-64)	1.26	1.12	1.27	1.40	1.10	0.84

Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG



Colour legend as in pyramids above

Education scenarios

SSP2/GET : Global Education Trend Scenario (Medium assumption)

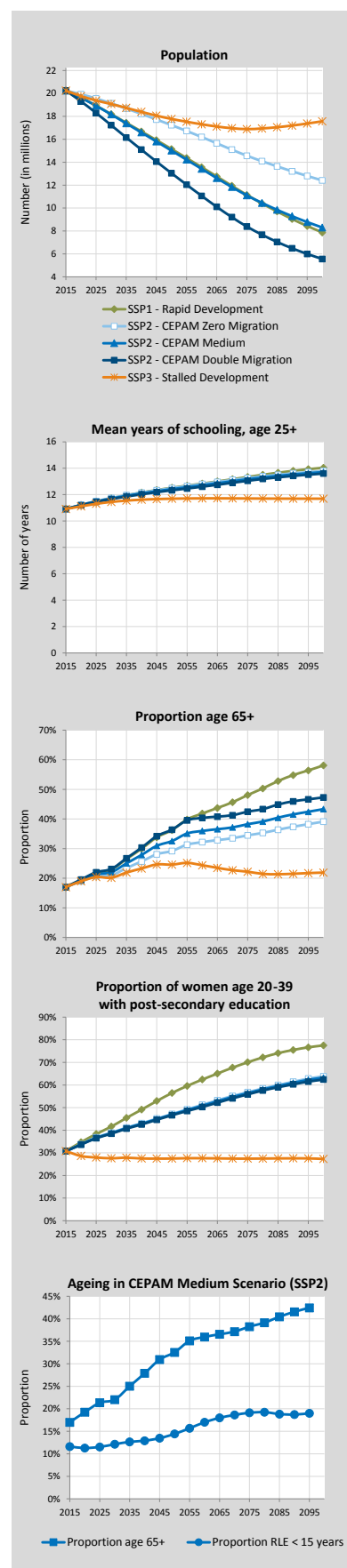
SSP3/CER : Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG : Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

Romania (Continued)

Alternative scenarios to 2100

Projection results by scenario (SSP1-SSP3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	19.88	19.25	17.82	14.78	13.20	10.78	7.50
SSP2 - CEPAM Zero Migration	19.88	19.56	18.76	16.86	15.83	14.19	12.04
SSP2 - CEPAM Medium	19.88	19.25	17.80	14.64	13.05	10.73	7.93
SSP2 - CEPAM Double Migration	19.88	18.94	16.86	12.67	10.69	8.01	5.18
SSP3 - Stalled Development	19.88	19.40	18.71	17.41	16.94	16.52	17.20
Proportion age 65+							
SSP1 - Rapid Development	17.0%	19.4%	22.9%	36.3%	41.9%	48.1%	58.1%
SSP2 - CEPAM Zero Migration	17.0%	19.0%	21.0%	29.2%	32.2%	34.5%	39.1%
SSP2 - CEPAM Medium	17.0%	19.3%	22.0%	32.5%	36.0%	38.3%	43.3%
SSP2 - CEPAM Double Migration	17.0%	19.5%	23.1%	36.4%	40.4%	42.5%	47.3%
SSP3 - Stalled Development	17.0%	19.0%	20.2%	24.6%	24.4%	22.2%	21.9%
Proportion below age 20							
SSP1 - Rapid Development	20.9%	20.3%	17.9%	14.0%	12.8%	10.8%	8.9%
SSP2 - CEPAM Zero Migration	20.9%	20.5%	19.3%	17.4%	16.9%	15.9%	15.0%
SSP2 - CEPAM Medium	20.9%	20.5%	18.9%	16.6%	16.0%	14.8%	14.0%
SSP2 - CEPAM Double Migration	20.9%	20.5%	18.5%	15.6%	15.0%	13.6%	13.0%
SSP3 - Stalled Development	20.9%	20.9%	21.4%	23.0%	24.2%	25.0%	25.6%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	30.8%	34.7%	41.6%	56.5%	62.4%	70.0%	77.5%
SSP2 - CEPAM Zero Migration	30.8%	33.8%	38.9%	47.2%	51.2%	56.8%	63.8%
SSP2 - CEPAM Medium	30.8%	33.7%	38.7%	46.9%	50.8%	56.4%	63.2%
SSP2 - CEPAM Double Migration	30.8%	33.6%	38.4%	46.6%	50.3%	55.8%	62.4%
SSP3 - Stalled Development	30.8%	28.6%	27.6%	27.5%	27.6%	27.4%	27.3%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	10.9	11.2	11.7	12.5	12.8	13.3	14.0
SSP2 - CEPAM Zero Migration	10.9	11.2	11.7	12.5	12.8	13.3	13.8
SSP2 - CEPAM Medium	10.9	11.2	11.7	12.4	12.7	13.2	13.7
SSP2 - CEPAM Double Migration	10.9	11.2	11.7	12.3	12.6	13.0	13.6
SSP3 - Stalled Development	10.9	11.1	11.4	11.7	11.7	11.7	11.7
Demographic assumptions underlying SSPs							
	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.45	1.39	1.33	1.30	1.30	1.40	1.36
SSP2 - CEPAM Zero Migration	1.50	1.51	1.50	1.51	1.51	1.61	1.56
SSP2 - CEPAM Medium	1.50	1.51	1.50	1.51	1.51	1.61	1.56
SSP2 - CEPAM Double Migration	1.50	1.51	1.50	1.51	1.51	1.61	1.56
SSP3 - Stalled Development	1.64	1.82	1.99	2.12	2.13	2.23	2.18
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	79.6	81.1	84.1	90.2	93.2	97.8	103.8
SSP2 - CEPAM Zero Migration	79.1	80.1	82.1	86.2	88.2	91.3	95.3
SSP2 - CEPAM Medium	79.1	80.1	82.1	86.2	88.2	91.2	95.3
SSP2 - CEPAM Double Migration	79.1	80.1	82.1	86.2	88.2	91.2	95.3
SSP3 - Stalled Development	78.5	79.0	80.0	82.0	83.0	84.4	86.3
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-289.7	-278.9	-254.3	-202.5	-176.4	-137.9	-98.6
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-289.1	-277.5	-251.2	-195.9	-168.9	-132.1	-97.6
SSP2 - CEPAM Double Migration	-578.2	-544.9	-471.7	-327.9	-261.8	-177.8	-108.1
SSP3 - Stalled Development	-192.4	-93.1	-0.2	-0.2	-0.2	-0.2	-0.2
Ageing indicators by scenario							
	2015	2020	2030	2050	2060	2075	2095
Median age							
SSP1 - Rapid Development	41.3	43.2	47.3	55.1	58.3	63.5	70.6
SSP2 - CEPAM Zero Migration	41.3	42.8	45.2	49.2	50.6	52.7	55.0
SSP2 - CEPAM Medium	41.3	43.1	46.6	51.7	53.3	55.8	58.4
SSP2 - CEPAM Double Migration	41.3	43.5	48.0	55.0	56.5	59.1	61.9
SSP3 - Stalled Development	41.3	42.8	44.4	43.6	41.9	40.5	39.9
Proportion with less than 15 years of remaining life expectancy (RLE)							
SSP1 - Rapid Development	11.6%	11.3%	12.1%	14.4%	17.0%	19.1%	19.0%
SSP2 - CEPAM Zero Migration	12.0%	12.0%	12.8%	14.2%	15.3%	15.3%	14.8%
SSP2 - CEPAM Medium	12.0%	12.2%	13.5%	16.1%	18.0%	18.1%	17.4%
SSP2 - CEPAM Double Migration	12.0%	12.3%	14.2%	18.3%	21.3%	21.5%	20.2%
SSP3 - Stalled Development	12.4%	12.9%	14.1%	15.2%	14.8%	12.3%	10.3%



Romania (Continued)

Labour force projections to 2060

Labour force indicators

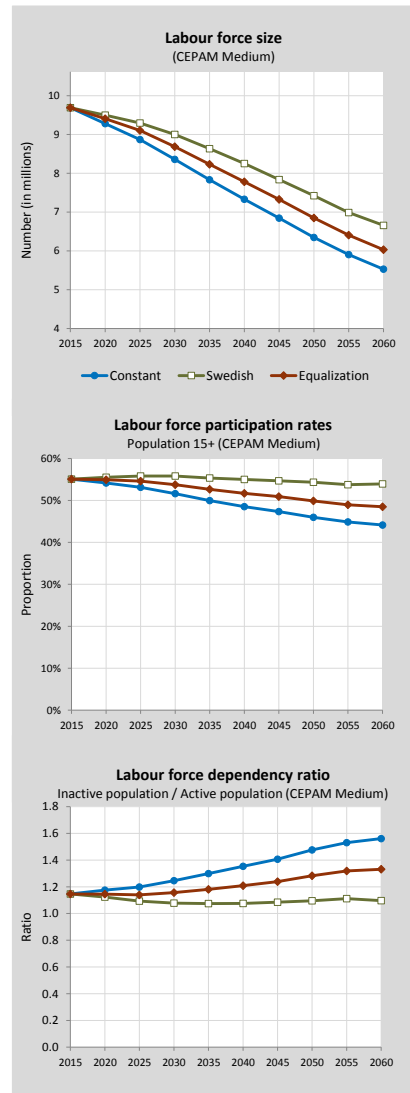
	2015	2020	2030	2040	2050	2060
Labour force size, by participation and migration scenario (in millions)						
Constant (CEPAM Zero Migration)	9.26	9.03	8.50	7.83	7.15	6.54
Constant (CEPAM Medium)	9.26	8.85	7.92	6.90	5.91	5.09
Constant (CEPAM Double Migration)	9.26	8.66	7.37	6.03	4.82	3.89
Swedish (CEPAM Zero Migration)	9.26	9.26	9.16	8.83	8.41	7.96
Swedish (CEPAM Medium)	9.26	9.07	8.57	7.82	6.99	6.23
Swedish (CEPAM Double Migration)	9.26	8.88	7.99	6.88	5.73	4.78
Equalization (CEPAM Zero Migration)	9.26	9.16	8.84	8.33	7.75	7.18
Equalization (CEPAM Medium)	9.26	8.97	8.25	7.35	6.42	5.60
Equalization (CEPAM Double Migration)	9.26	8.78	7.68	6.44	5.24	4.28
Constant (CEPAM Medium-low fertility)	9.26	8.85	7.93	6.86	5.69	4.62
Swedish (CEPAM Medium-low fertility)	9.26	9.07	8.57	7.75	6.69	5.65
Equalization (CEPAM Medium-low fertility)	9.26	8.97	8.26	7.30	6.17	5.09

Labour force participation rates, age 15+, by participation scenario (CEPAM Medium)

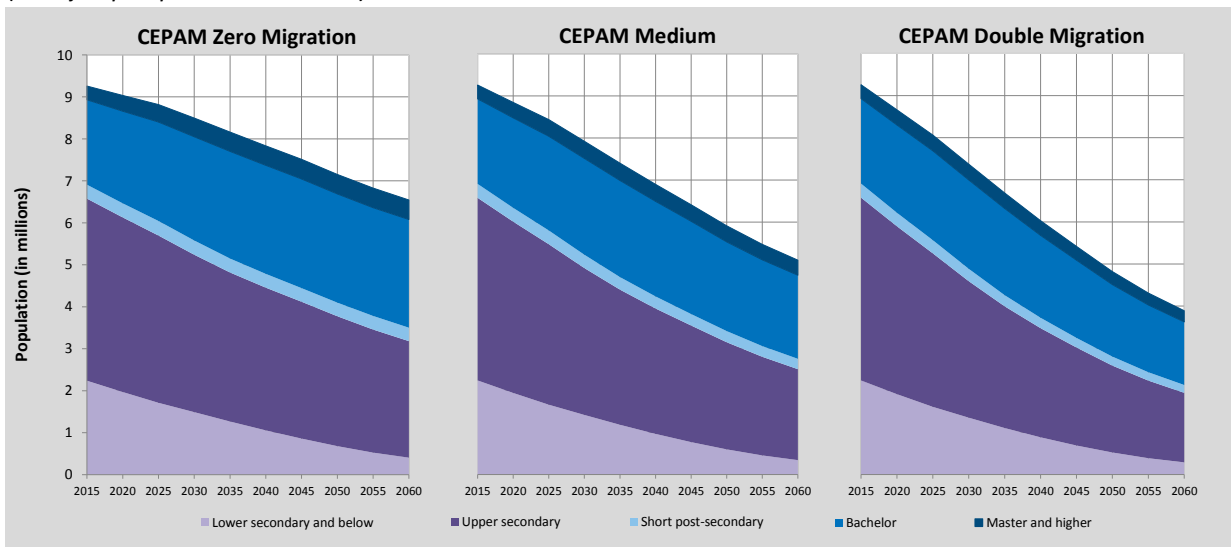
TOTAL (Constant)	55.1%	54.2%	51.6%	48.5%	46.0%	44.2%
TOTAL (Swedish)	55.1%	55.5%	55.8%	55.0%	54.3%	54.0%
TOTAL (Equalization)	55.1%	54.9%	53.8%	51.7%	49.9%	48.5%
MALE (Constant)	64.7%	63.4%	60.4%	56.7%	53.5%	51.1%
MALE (Swedish)	64.7%	64.3%	63.4%	61.5%	59.8%	58.7%
MALE (Equalization)	64.7%	63.4%	60.4%	56.7%	53.5%	51.1%
FEMALE (Constant)	46.2%	45.6%	43.5%	41.0%	39.0%	37.7%
FEMALE (Swedish)	46.2%	47.4%	48.8%	49.1%	49.3%	49.6%
FEMALE (Equalization)	46.2%	47.1%	47.6%	47.1%	46.5%	46.1%

Labour force (15+) by highest level of educational attainment. Columns sum to 100%. (CEPAM Medium; Constant participation)

TOTAL E1-E4 - lower secondary and below	24.2%	21.9%	17.9%	14.0%	10.1%	6.7%
TOTAL E5 - upper secondary	46.9%	46.0%	44.1%	43.2%	43.1%	42.4%
TOTAL E6 - short post-secondary	3.6%	3.7%	4.0%	4.1%	4.5%	4.8%
TOTAL E7 - bachelor	21.8%	24.2%	28.9%	32.8%	35.9%	39.0%
TOTAL E8 - master and higher	3.5%	4.1%	5.2%	5.9%	6.4%	7.0%
MALE E1-E4 - lower secondary and below	24.7%	23.0%	19.8%	16.0%	12.0%	8.4%
MALE E5 - upper secondary	51.9%	51.4%	50.0%	49.7%	50.7%	51.4%
MALE E6 - short post-secondary	2.9%	3.1%	3.6%	4.1%	4.5%	4.9%
MALE E7 - bachelor	17.7%	19.2%	22.5%	25.2%	27.3%	29.4%
MALE E8 - master and higher	2.8%	3.3%	4.2%	4.9%	5.5%	5.9%
FEMALE E1-E4 - lower secondary and below	23.4%	20.6%	15.5%	11.4%	7.8%	4.6%
FEMALE E5 - upper secondary	40.4%	39.2%	36.5%	35.0%	33.4%	31.2%
FEMALE E6 - short post-secondary	4.4%	4.5%	4.5%	4.1%	4.3%	4.7%
FEMALE E7 - bachelor	27.2%	30.5%	37.1%	42.4%	46.8%	51.0%
FEMALE E8 - master and higher	4.5%	5.2%	6.4%	7.0%	7.7%	8.4%



Labour force size by educational attainment according to three migration scenarios, 2015-2060 (Labour force participation = Constant scenario)



Slovakia

Detailed Human Capital projections to 2060

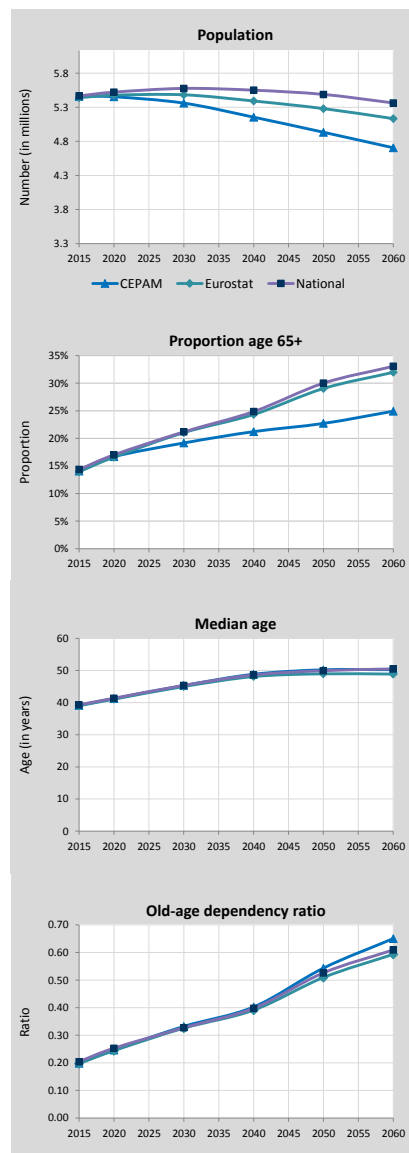
Comparison of CEPAM projections with other sources

Demographic indicators - CEPAM Medium Scenario (SSP2), Eurostat and national projections		2015	2020	2030	2040	2050	2060
Population (in millions)	CEPAM	5.44	5.44	5.34	5.14	4.91	4.69
	Eurostat	5.42	5.46	5.46	5.37	5.26	5.11
	National	5.45	5.50	5.56	5.53	5.47	5.34
Proportion age 65+	CEPAM	14.1%	16.7%	19.2%	21.2%	22.7%	24.9%
	Eurostat	14.0%	16.6%	21.0%	24.3%	29.0%	32.0%
	National	14.4%	17.0%	21.2%	24.9%	30.0%	33.1%
Proportion below age 20	CEPAM	20.6%	20.5%	20.1%	18.4%	17.9%	18.3%
	Eurostat	20.7%	20.3%	19.7%	18.5%	18.6%	19.0%
	National	20.8%	20.6%	19.6%	17.4%	17.2%	17.2%
Median age	CEPAM	39.2	41.2	45.3	48.8	50.2	50.3
	Eurostat	39.0	41.1	45.0	48.1	49.0	48.9
	National	39.3	41.4	45.4	48.6	49.9	50.5
Old-age dependency ratio (65+/15-64)	CEPAM	0.20	0.25	0.33	0.40	0.54	0.65
	Eurostat	0.20	0.24	0.33	0.39	0.51	0.59
	National	0.20	0.25	0.33	0.40	0.53	0.61
Young-age dependency ratio (0-14/15-64)	CEPAM	0.22	0.23	0.23	0.21	0.24	0.26
	Eurostat	0.22	0.23	0.22	0.22	0.24	0.26
	National	0.22	0.23	0.22	0.20	0.23	0.23
Parent support ratio (85+/50-64)	CEPAM	0.06	0.07	0.09	0.16	0.27	0.43
	Eurostat	0.06	0.08	0.10	0.16	0.25	0.37
	National	0.06	0.07	0.09	0.17	0.26	0.38

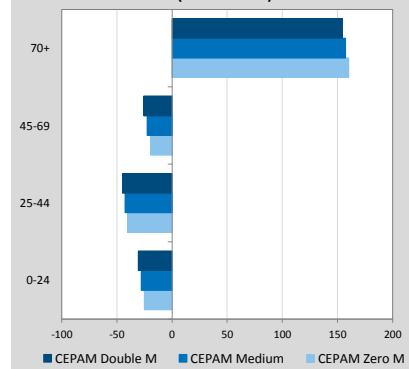
Demographic assumptions underlying projections		2010-2015	2015-2020	2025-2030	2035-2040	2045-2050	2055-2060	
Total fertility rate	CEPAM	1.46	1.55	1.58	1.64	1.69	1.71	
	Eurostat	1.43	1.51	1.57	1.67	1.73	1.78	
	National	1.51	1.53	1.54	1.58	1.61	1.64	
Life expectancy at birth (in years)	Male	CEPAM	73.5	74.6	75.7	77.9	80.2	82.4
		Eurostat	74.0	75.2	76.3	78.3	80.3	82.1
		National	73.4	74.5	75.6	78.2	80.6	82.3
Female	CEPAM	80.4	81.5	82.5	84.6	86.7	88.8	
	Eurostat	80.9	81.9	82.8	84.4	86.0	87.4	
	National	80.3	81.1	81.9	83.8	85.4	86.5	
Five-year net migration flow (in thousands)	CEPAM	-17.4	-16.2	-15.0	-12.0	-9.1	-6.6	
	Eurostat	27.0	27.6	24.7	35.1	33.2	24.8	
	National	30.0	52.0	63.5	65.0	65.0	65.0	

Changes in population size and structure according to CEPAM scenarios (impact of migration)

Population size according to CEPAM projections to 2060		2015	2020	2030	2040	2050	2060
Population (in millions)	Zero M	5.44	5.45	5.40	5.23	5.04	4.84
	Medium	5.44	5.44	5.34	5.14	4.91	4.69
	Double M	5.44	5.42	5.29	5.04	4.79	4.54
Population 0-24 (in millions)	Zero M	1.49	1.41	1.37	1.26	1.15	1.12
	Medium	1.49	1.40	1.36	1.23	1.12	1.07
	Double M	1.49	1.40	1.34	1.20	1.08	1.03
Population 25-44 (in millions)	Zero M	1.72	1.67	1.32	1.11	1.12	1.03
	Medium	1.72	1.66	1.29	1.08	1.08	0.99
	Double M	1.72	1.65	1.26	1.04	1.05	0.95
Population 45-69 (in millions)	Zero M	1.74	1.80	1.89	1.92	1.64	1.40
	Medium	1.74	1.80	1.88	1.90	1.59	1.34
	Double M	1.74	1.80	1.88	1.87	1.55	1.29
Population 70+ (in millions)	Zero M	0.50	0.57	0.82	0.94	1.13	1.30
	Medium	0.50	0.57	0.81	0.94	1.12	1.28
	Double M	0.50	0.57	0.81	0.93	1.12	1.27

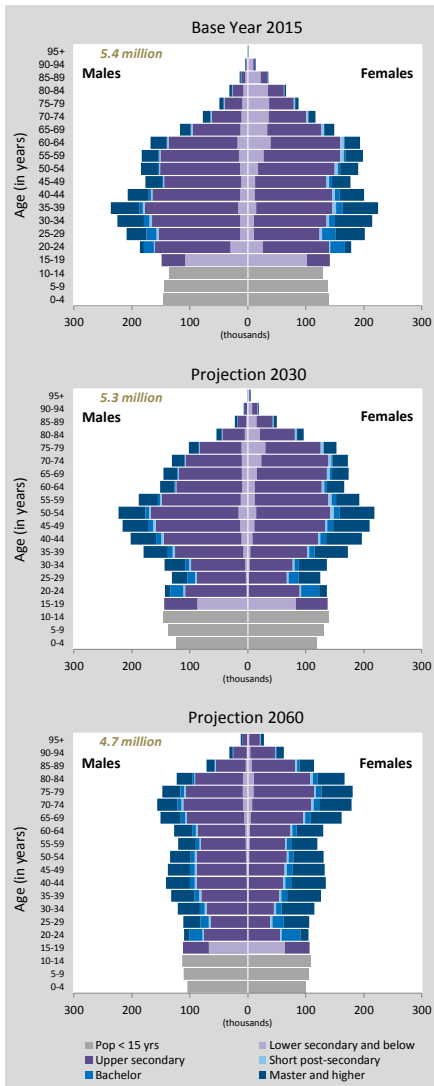


Change in population size between 2015 and 2060 (in % of 2015)



Slovakia (Continued)

Pyramids by education, CEPAM Medium



Detailed Human Capital projections to 2060

Human Capital indicators, CEPAM Medium (SSP2)

	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1-E4 - lower secondary and below	12.1%	10.2%	7.6%	5.7%	4.3%	3.4%
E5 - upper secondary	65.2%	65.3%	64.8%	63.2%	60.6%	57.5%
E6 - short post-secondary	2.2%	2.2%	2.2%	2.2%	2.4%	2.5%
E7 - bachelor	2.8%	3.2%	3.7%	4.5%	5.3%	6.0%
E8 - master and higher	17.7%	19.1%	21.7%	24.3%	27.4%	30.5%
Mean years of schooling (in years)	12.83	13.07	13.45	13.83	14.21	14.56

Age gap: highest educational attainment (ratio 35-44/50-64)

E1-E4 - lower secondary and below	0.56	0.72	0.62	0.46	0.44	0.42
E5 - upper secondary	0.95	0.88	0.91	0.94	0.92	0.90
E6 - short post-secondary	0.91	0.98	1.08	1.17	1.21	1.19
E7 - bachelor	3.40	2.81	1.63	1.27	1.21	1.19
E8 - master and higher	1.39	1.50	1.32	1.21	1.21	1.19
Mean years of schooling (35-44 minus 50-64)	1.10	1.40	1.46	0.79	0.55	0.54

Gender gap (population age 25+): highest educational attainment (ratio male/female)

E1-E4 - lower secondary and below	0.56	0.61	0.72	0.85	0.98	1.07
E5 - upper secondary	1.16	1.14	1.13	1.14	1.17	1.22
E6 - short post-secondary	0.63	0.64	0.67	0.75	0.85	0.94
E7 - bachelor	0.73	0.77	0.80	0.81	0.82	0.82
E8 - master and higher	0.94	0.89	0.83	0.78	0.74	0.71
Mean years of schooling (male minus female)	0.17	0.05	-0.13	-0.28	-0.43	-0.56

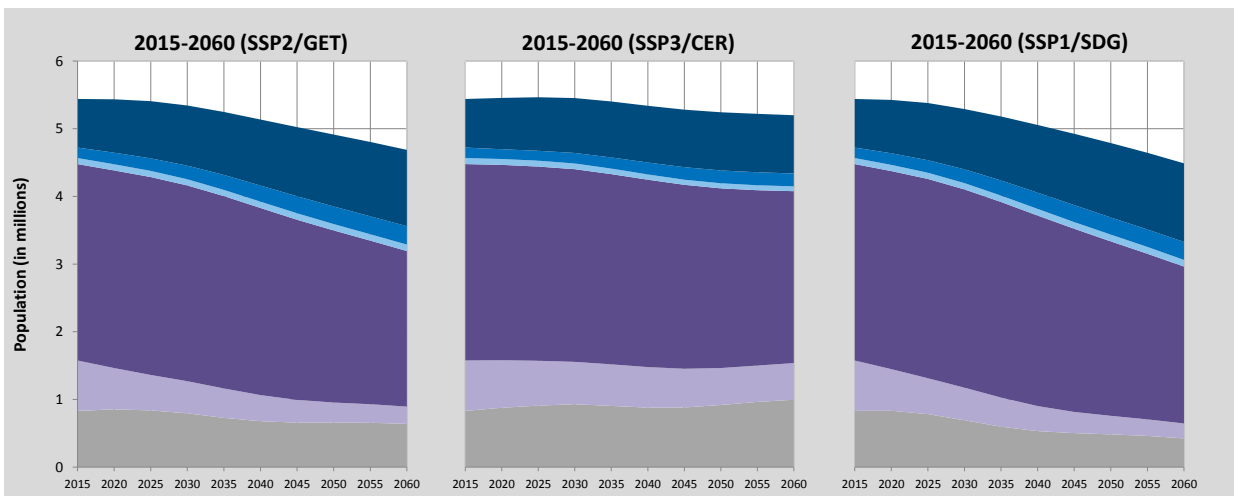
Women age 20-39: highest educational attainment (columns sum to 100%)

E1-E4 - lower secondary and below	8%	5%	2%	1%	1%	1%
E5 - upper secondary	59%	59%	57%	52%	47%	42%
E6 - short post-secondary	2%	2%	2%	2%	3%	3%
E7 - bachelor	9%	9%	12%	14%	14%	16%
E8 - master and higher	23%	25%	27%	30%	35%	38%
Mean years of schooling (in years)	14.01	14.44	14.77	15.04	15.34	15.58

Age gap among women: highest educational attainment (ratio 35-44/50-64)

E1-E4 - lower secondary and below	0.43	0.58	0.52	0.41	0.42	0.40
E5 - upper secondary	0.94	0.85	0.89	0.91	0.86	0.84
E6 - short post-secondary	0.89	0.80	0.76	1.04	1.24	1.21
E7 - bachelor	3.47	2.47	1.35	1.22	1.24	1.21
E8 - master and higher	1.61	1.73	1.43	1.24	1.24	1.21
Mean years of schooling (35-44 minus 50-64)	1.93	2.12	2.02	1.16	0.85	0.84

Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG



Colour legend as in pyramids above

Education scenarios

SSP2/GET : Global Education Trend Scenario (Medium assumption)

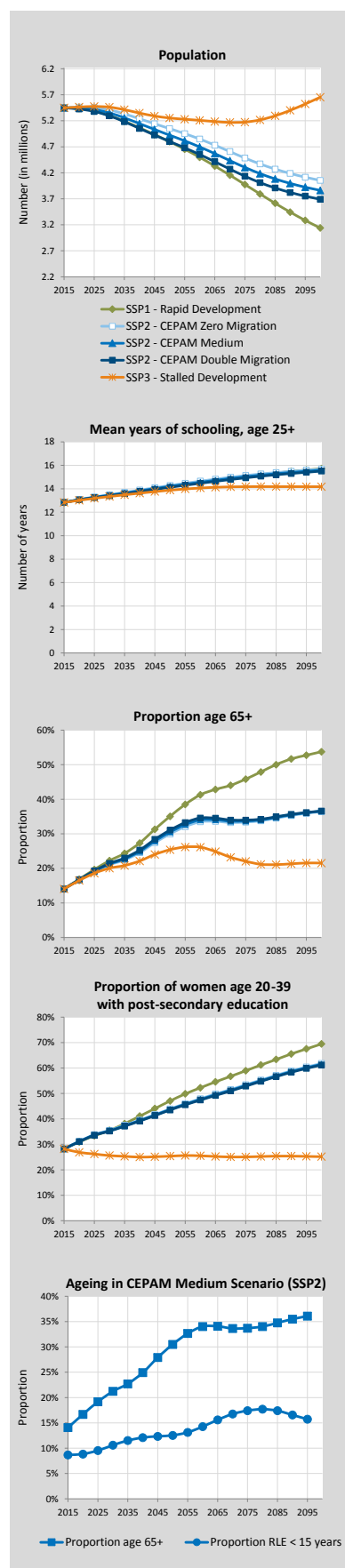
SSP3/CER : Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG : Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

Slovakia (Continued)

Alternative scenarios to 2100

Projection results by scenario (SSP1-SSP3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	5.44	5.43	5.29	4.79	4.49	3.97	3.13
SSP2 - CEPAM Zero Migration	5.44	5.45	5.40	5.04	4.84	4.47	4.04
SSP2 - CEPAM Medium	5.44	5.44	5.34	4.91	4.69	4.29	3.85
SSP2 - CEPAM Double Migration	5.44	5.42	5.29	4.79	4.54	4.13	3.68
SSP3 - Stalled Development	5.44	5.46	5.45	5.24	5.20	5.17	5.64
Proportion age 65+							
SSP1 - Rapid Development	14.1%	16.8%	22.2%	35.1%	41.3%	45.8%	53.7%
SSP2 - CEPAM Zero Migration	14.1%	16.6%	21.0%	29.9%	33.5%	33.4%	36.4%
SSP2 - CEPAM Medium	14.1%	16.7%	21.2%	30.5%	34.0%	33.7%	36.6%
SSP2 - CEPAM Double Migration	14.1%	16.7%	21.4%	31.1%	34.6%	34.0%	36.6%
SSP3 - Stalled Development	14.1%	16.5%	20.0%	25.4%	26.1%	22.0%	21.5%
Proportion below age 20							
SSP1 - Rapid Development	20.6%	20.2%	18.4%	13.7%	13.1%	11.1%	9.9%
SSP2 - CEPAM Zero Migration	20.6%	20.5%	20.2%	18.0%	18.5%	17.7%	17.3%
SSP2 - CEPAM Medium	20.6%	20.5%	20.1%	17.9%	18.3%	17.6%	17.3%
SSP2 - CEPAM Double Migration	20.6%	20.5%	20.1%	17.7%	18.2%	17.5%	17.2%
SSP3 - Stalled Development	20.6%	20.9%	22.2%	23.0%	25.0%	26.0%	27.0%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	28.2%	31.0%	35.5%	47.1%	52.2%	58.9%	69.4%
SSP2 - CEPAM Zero Migration	28.2%	31.2%	35.5%	43.9%	47.9%	53.4%	61.8%
SSP2 - CEPAM Medium	28.2%	31.1%	35.3%	43.7%	47.6%	53.1%	61.5%
SSP2 - CEPAM Double Migration	28.2%	31.0%	35.2%	43.5%	47.4%	52.9%	61.2%
SSP3 - Stalled Development	28.2%	26.9%	25.6%	25.4%	25.5%	25.1%	25.1%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	12.8	13.1	13.4	14.2	14.5	15.0	15.7
SSP2 - CEPAM Zero Migration	12.8	13.1	13.5	14.3	14.6	15.1	15.7
SSP2 - CEPAM Medium	12.8	13.1	13.5	14.2	14.6	15.0	15.6
SSP2 - CEPAM Double Migration	12.8	13.1	13.4	14.1	14.5	14.9	15.5
SSP3 - Stalled Development	12.8	13.0	13.3	13.9	14.1	14.2	14.2
Demographic assumptions underlying SSPs							
	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.36	1.34	1.27	1.27	1.28	1.28	1.28
SSP2 - CEPAM Zero Migration	1.46	1.55	1.61	1.70	1.71	1.71	1.71
SSP2 - CEPAM Medium	1.46	1.55	1.61	1.70	1.71	1.71	1.72
SSP2 - CEPAM Double Migration	1.46	1.55	1.61	1.70	1.71	1.71	1.72
SSP3 - Stalled Development	1.58	1.82	2.05	2.27	2.30	2.33	2.36
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	80.9	82.5	85.6	91.8	94.9	99.5	105.7
SSP2 - CEPAM Zero Migration	80.4	81.5	83.6	87.8	89.9	93.0	97.2
SSP2 - CEPAM Medium	80.4	81.5	83.6	87.8	89.9	93.0	97.2
SSP2 - CEPAM Double Migration	80.4	81.5	83.6	87.8	89.9	93.0	97.2
SSP3 - Stalled Development	79.9	80.5	81.5	83.7	84.8	86.4	88.5
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-17.4	-16.4	-14.0	-8.8	-6.7	-3.5	-0.9
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-17.4	-16.2	-13.6	-7.8	-5.4	-2.3	-0.5
SSP2 - CEPAM Double Migration	-34.7	-32.3	-26.8	-14.7	-9.8	-3.4	0.0
SSP3 - Stalled Development	-11.6	-5.4	0.0	0.0	0.0	0.0	0.0
Ageing indicators by scenario							
	2015	2020	2030	2050	2060	2075	2095
Median age							
SSP1 - Rapid Development	39.2	41.4	46.2	55.0	57.4	61.9	67.5
SSP2 - CEPAM Zero Migration	39.2	41.2	45.1	49.8	49.9	51.4	51.9
SSP2 - CEPAM Medium	39.2	41.2	45.3	50.2	50.3	51.6	52.0
SSP2 - CEPAM Double Migration	39.2	41.3	45.5	50.7	50.6	51.9	52.1
SSP3 - Stalled Development	39.2	41.1	44.1	43.8	41.8	39.8	38.8
Proportion with less than 15 years of remaining life expectancy (RLE)							
SSP1 - Rapid Development	8.7%	8.8%	10.6%	12.5%	14.3%	17.4%	15.7%
SSP2 - CEPAM Zero Migration	9.0%	9.5%	11.7%	13.1%	15.0%	15.9%	12.6%
SSP2 - CEPAM Medium	9.0%	9.5%	11.8%	13.4%	15.4%	16.3%	12.7%
SSP2 - CEPAM Double Migration	9.0%	9.6%	11.9%	13.7%	15.8%	16.6%	12.7%
SSP3 - Stalled Development	9.4%	10.3%	12.8%	14.2%	15.2%	12.8%	9.7%



Slovakia (Continued)

Labour force projections to 2060

Labour force indicators

	2015	2020	2030	2040	2050	2060
Labour force size, by participation and migration scenario (in millions)						
Constant (CEPAM Zero Migration)	2.77	2.72	2.56	2.34	2.08	1.91
Constant (CEPAM Medium)	2.77	2.71	2.53	2.28	2.01	1.83
Constant (CEPAM Double Migration)	2.77	2.69	2.49	2.23	1.94	1.75
Swedish (CEPAM Zero Migration)	2.77	2.78	2.74	2.65	2.49	2.35
Swedish (CEPAM Medium)	2.77	2.77	2.70	2.59	2.40	2.25
Swedish (CEPAM Double Migration)	2.77	2.75	2.66	2.53	2.32	2.16
Equalization (CEPAM Zero Migration)	2.77	2.74	2.63	2.44	2.21	2.05
Equalization (CEPAM Medium)	2.77	2.73	2.59	2.38	2.14	1.97
Equalization (CEPAM Double Migration)	2.77	2.72	2.55	2.32	2.06	1.88
Constant (CEPAM Medium-low fertility)	2.77	2.71	2.53	2.27	1.93	1.66
Swedish (CEPAM Medium-low fertility)	2.77	2.77	2.70	2.56	2.30	2.04
Equalization (CEPAM Medium-low fertility)	2.77	2.73	2.59	2.37	2.05	1.78

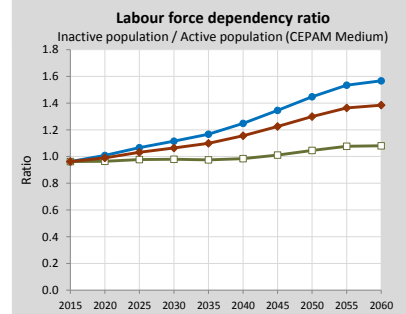
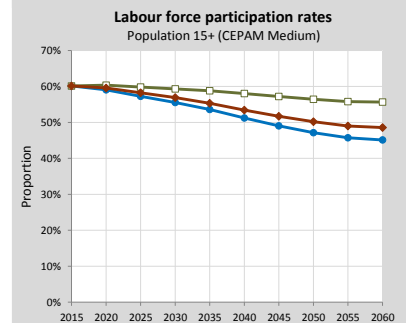
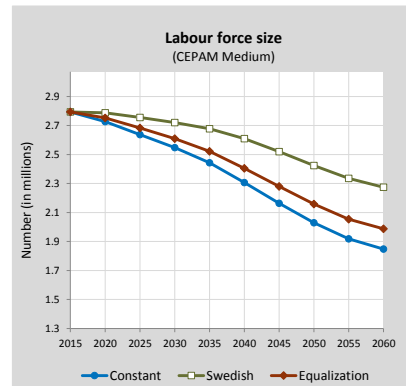
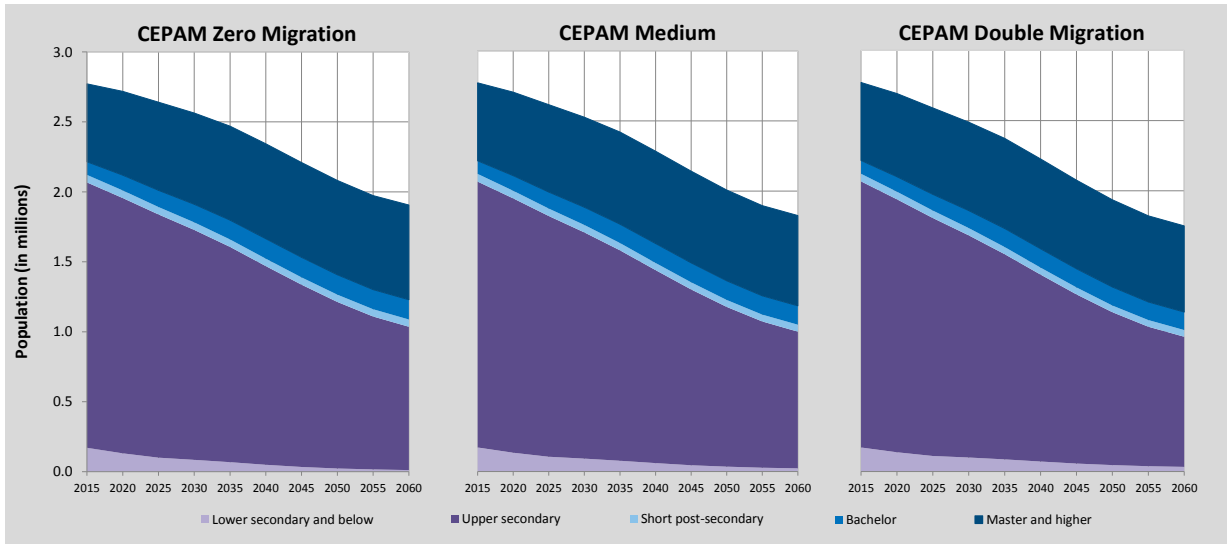
Labour force participation rates, age 15+, by participation scenario (CEPAM Medium)

TOTAL (Constant)	60.2%	59.0%	55.6%	51.2%	47.2%	45.1%
TOTAL (Swedish)	60.2%	60.4%	59.3%	58.0%	56.4%	55.7%
TOTAL (Equalization)	60.2%	59.6%	56.9%	53.4%	50.2%	48.6%
MALE (Constant)	68.4%	66.9%	62.6%	58.0%	53.7%	51.3%
MALE (Swedish)	68.4%	68.0%	65.7%	63.8%	61.7%	60.4%
MALE (Equalization)	68.4%	66.9%	62.6%	58.0%	53.7%	51.3%
FEMALE (Constant)	52.5%	51.7%	49.1%	45.0%	41.1%	39.4%
FEMALE (Swedish)	52.5%	53.3%	53.4%	52.7%	51.6%	51.3%
FEMALE (Equalization)	52.5%	52.8%	51.7%	49.3%	47.0%	46.1%

Labour force (15+) by highest level of educational attainment. Columns sum to 100%. (CEPAM Medium; Constant participation)

TOTAL E1-E4 - lower secondary and below	6.2%	4.9%	3.6%	2.6%	1.7%	1.3%
TOTAL E5 - upper secondary	68.4%	67.0%	63.9%	60.2%	56.7%	53.4%
TOTAL E6 - short post-secondary	2.0%	2.0%	2.1%	2.2%	2.5%	2.7%
TOTAL E7 - bachelor	3.4%	4.0%	5.0%	6.1%	6.8%	7.4%
TOTAL E8 - master and higher	20.1%	22.0%	25.4%	28.8%	32.3%	35.3%
MALE E1-E4 - lower secondary and below	6.2%	5.2%	3.9%	3.0%	2.0%	1.4%
MALE E5 - upper secondary	71.9%	70.9%	68.7%	66.2%	63.6%	61.2%
MALE E6 - short post-secondary	1.5%	1.6%	1.9%	2.3%	2.6%	2.8%
MALE E7 - bachelor	2.6%	3.2%	4.1%	5.2%	5.9%	6.3%
MALE E8 - master and higher	17.8%	19.2%	21.3%	23.4%	26.0%	28.2%
FEMALE E1-E4 - lower secondary and below	6.1%	4.7%	3.3%	2.2%	1.4%	1.0%
FEMALE E5 - upper secondary	64.2%	62.4%	58.1%	53.2%	48.5%	43.9%
FEMALE E6 - short post-secondary	2.6%	2.5%	2.3%	2.2%	2.4%	2.6%
FEMALE E7 - bachelor	4.4%	5.0%	6.1%	7.1%	7.9%	8.6%
FEMALE E8 - master and higher	22.8%	25.5%	30.3%	35.2%	39.8%	43.8%

Labour force size by educational attainment according to three migration scenarios, 2015-2060 (Labour force participation = Constant scenario)



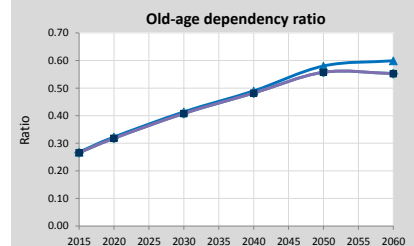
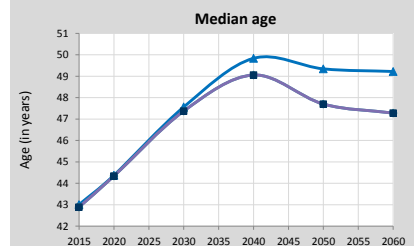
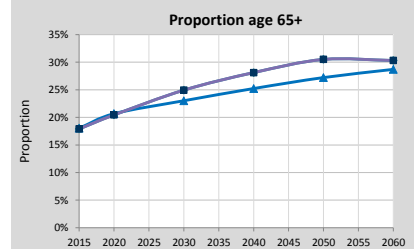
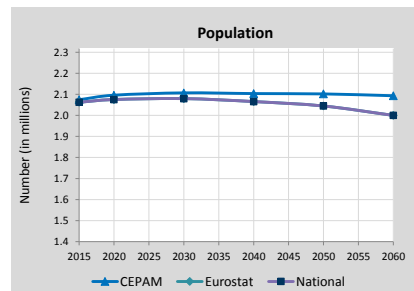
Slovenia

Detailed Human Capital projections to 2060

Comparison of CEPAM projections with other sources

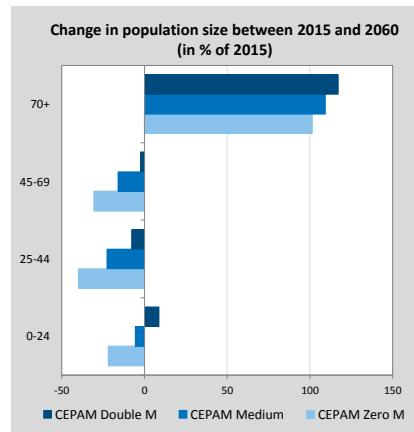
Demographic indicators - CEPAM Medium Scenario (SSP2), Eurostat and national projections		2015	2020	2030	2040	2050	2060
Population (in millions)	CEPAM	2.07	2.10	2.11	2.10	2.10	2.09
	Eurostat	2.06	2.08	2.08	2.07	2.05	2.00
	National	2.06	2.08	2.08	2.07	2.05	2.00
Proportion age 65+	CEPAM	18.0%	20.7%	23.0%	25.2%	27.2%	28.7%
	Eurostat	17.9%	20.4%	24.9%	28.1%	30.5%	30.3%
	National	17.9%	20.4%	24.9%	28.1%	30.5%	30.3%
Proportion below age 20	CEPAM	19.3%	19.7%	19.1%	17.4%	17.9%	18.2%
	Eurostat	19.4%	19.7%	19.4%	18.3%	19.4%	20.1%
	National	19.4%	19.7%	19.4%	18.3%	19.4%	20.1%
Median age	CEPAM	43.0	44.4	47.6	49.8	49.3	49.2
	Eurostat	42.9	44.3	47.4	49.1	47.7	47.3
	National	42.9	44.3	47.4	49.1	47.7	47.3
Old-age dependency ratio (65+/15-64)	CEPAM	0.27	0.32	0.41	0.49	0.58	0.60
	Eurostat	0.27	0.32	0.41	0.48	0.56	0.55
	National	0.27	0.32	0.41	0.48	0.56	0.55
Young-age dependency ratio (0-14/15-64)	CEPAM	0.22	0.24	0.23	0.22	0.25	0.25
	Eurostat	0.22	0.24	0.23	0.23	0.27	0.27
	National	0.22	0.24	0.23	0.23	0.27	0.27
Parent support ratio (85+/50-64)	CEPAM	0.10	0.12	0.16	0.25	0.40	0.50
	Eurostat	0.10	0.12	0.16	0.24	0.37	0.44
	National	0.10	0.12	0.16	0.24	0.37	0.44

Demographic assumptions underlying projections		2010-2015	2015-2020	2025-2030	2035-2040	2045-2050	2055-2060	
Total fertility rate	CEPAM	1.60	1.62	1.64	1.66	1.69	1.70	
	Eurostat	1.60	1.63	1.65	1.69	1.73	1.77	
	National	1.60	1.63	1.65	1.69	1.73	1.77	
Life expectancy at birth (in years)								
	Male	CEPAM	78.3	79.3	80.3	82.2	84.1	86.0
		Eurostat	78.4	79.3	80.1	81.6	83.0	84.3
National		78.4	79.3	80.1	81.6	83.0	84.3	
Female	CEPAM	83.9	84.9	85.9	87.9	89.9	91.9	
	Eurostat	84.0	84.7	85.4	86.6	87.8	88.9	
	National	84.0	84.7	85.4	86.6	87.8	88.9	
Five-year net migration flow (in thousands)	CEPAM	19.9	22.0	24.0	27.8	30.9	33.3	
	Eurostat	11.7	19.9	19.6	21.7	20.4	14.9	
	National	11.7	19.9	19.6	21.7	20.4	14.9	



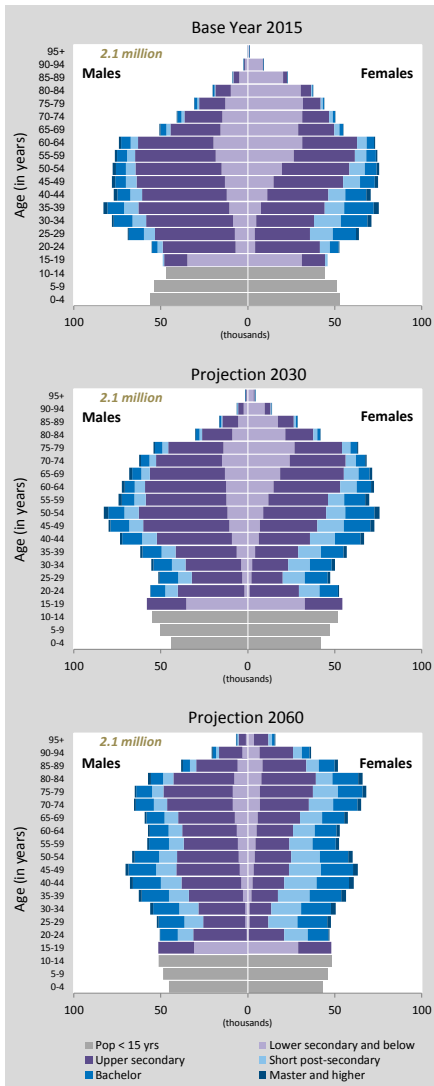
Changes in population size and structure according to CEPAM scenarios (impact of migration)

Population size according to CEPAM projections to 2060		2015	2020	2030	2040	2050	2060
Population (in millions)	Zero M	2.07	2.08	2.03	1.96	1.88	1.78
	Medium	2.07	2.10	2.11	2.10	2.10	2.09
	Double M	2.07	2.12	2.18	2.24	2.31	2.37
Population 0-24 (in millions)	Zero M	0.51	0.50	0.49	0.44	0.41	0.40
	Medium	0.51	0.51	0.51	0.48	0.47	0.48
	Double M	0.51	0.52	0.53	0.52	0.53	0.55
Population 25-44 (in millions)	Zero M	0.59	0.55	0.42	0.40	0.41	0.35
	Medium	0.59	0.56	0.46	0.46	0.49	0.45
	Double M	0.59	0.57	0.50	0.51	0.56	0.54
Population 45-69 (in millions)	Zero M	0.71	0.73	0.73	0.66	0.55	0.49
	Medium	0.71	0.73	0.74	0.70	0.62	0.60
	Double M	0.71	0.74	0.75	0.74	0.69	0.69
Population 70+ (in millions)	Zero M	0.27	0.29	0.39	0.47	0.52	0.54
	Medium	0.27	0.29	0.39	0.47	0.52	0.56
	Double M	0.27	0.29	0.39	0.47	0.53	0.58



Slovenia (Continued)

Pyramids by education, CEPAM Medium

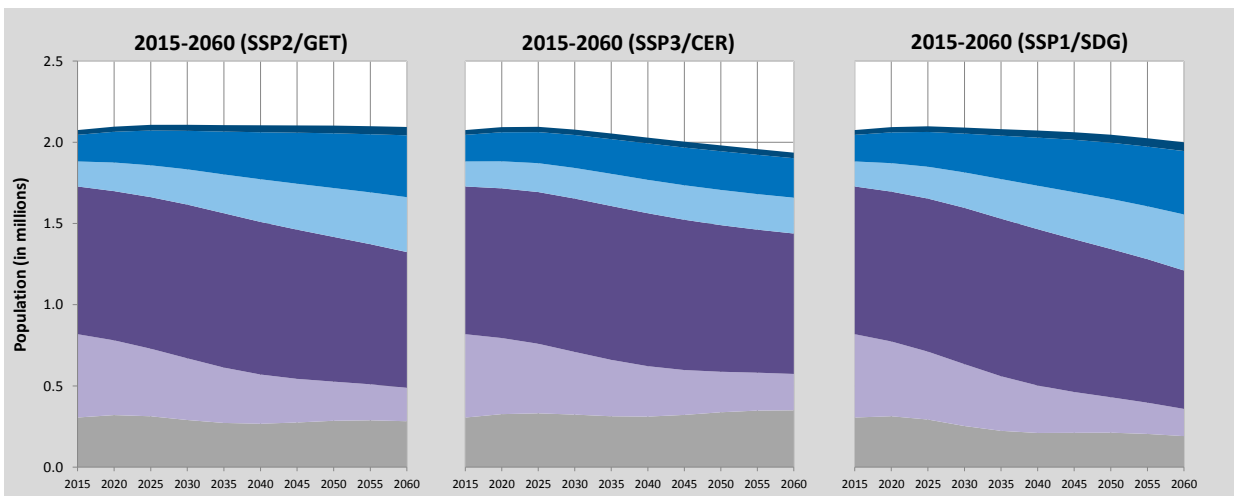


Detailed Human Capital projections to 2060

Human Capital indicators, CEPAM Medium (SSP2)

	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1-E4 - lower secondary and below	27.9%	24.8%	19.3%	14.8%	11.4%	9.0%
E5 - upper secondary	51.2%	51.8%	52.4%	51.4%	49.2%	46.2%
E6 - short post-secondary	9.1%	10.2%	12.4%	14.8%	17.2%	19.5%
E7 - bachelor	9.9%	11.2%	13.7%	16.5%	19.4%	22.2%
E8 - master and higher	1.8%	2.0%	2.3%	2.6%	2.9%	3.1%
Mean years of schooling (in years)	11.32	11.62	12.13	12.62	13.06	13.44
Age gap: highest educational attainment (ratio 35-44/50-64)						
E1-E4 - lower secondary and below	0.47	0.48	0.62	0.64	0.50	0.51
E5 - upper secondary	1.04	0.97	0.90	0.90	0.89	0.87
E6 - short post-secondary	1.50	1.50	1.51	1.35	1.28	1.23
E7 - bachelor	2.01	2.01	1.46	1.27	1.28	1.23
E8 - master and higher	2.03	1.44	0.86	1.07	1.28	1.23
Mean years of schooling (35-44 minus 50-64)	1.26	1.30	1.49	1.23	0.81	0.66
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1-E4 - lower secondary and below	0.63	0.66	0.74	0.83	0.95	1.06
E5 - upper secondary	1.43	1.39	1.34	1.34	1.37	1.43
E6 - short post-secondary	0.67	0.65	0.63	0.61	0.61	0.60
E7 - bachelor	0.81	0.80	0.78	0.77	0.77	0.78
E8 - master and higher	0.98	0.90	0.79	0.69	0.62	0.57
Mean years of schooling (male minus female)	0.49	0.31	0.03	-0.17	-0.32	-0.42
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1-E4 - lower secondary and below	8%	7%	5%	3%	3%	2%
E5 - upper secondary	53%	49%	44%	38%	33%	29%
E6 - short post-secondary	17%	21%	24%	28%	31%	33%
E7 - bachelor	19%	21%	24%	27%	30%	32%
E8 - master and higher	3%	3%	3%	3%	4%	4%
Mean years of schooling (in years)	13.21	13.54	14.05	14.33	14.54	14.68
Age gap among women: highest educational attainment (ratio 35-44/50-64)						
E1-E4 - lower secondary and below	0.37	0.35	0.52	0.64	0.49	0.50
E5 - upper secondary	1.04	0.93	0.88	0.86	0.79	0.77
E6 - short post-secondary	1.51	1.58	1.63	1.34	1.28	1.23
E7 - bachelor	2.69	2.37	1.31	1.17	1.28	1.23
E8 - master and higher	2.72	1.94	1.07	1.12	1.28	1.23
Mean years of schooling (35-44 minus 50-64)	2.26	2.24	1.97	1.60	1.05	0.94

Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG



Colour legend as in pyramids above

Education scenarios

SSP2/GET : Global Education Trend Scenario (Medium assumption)

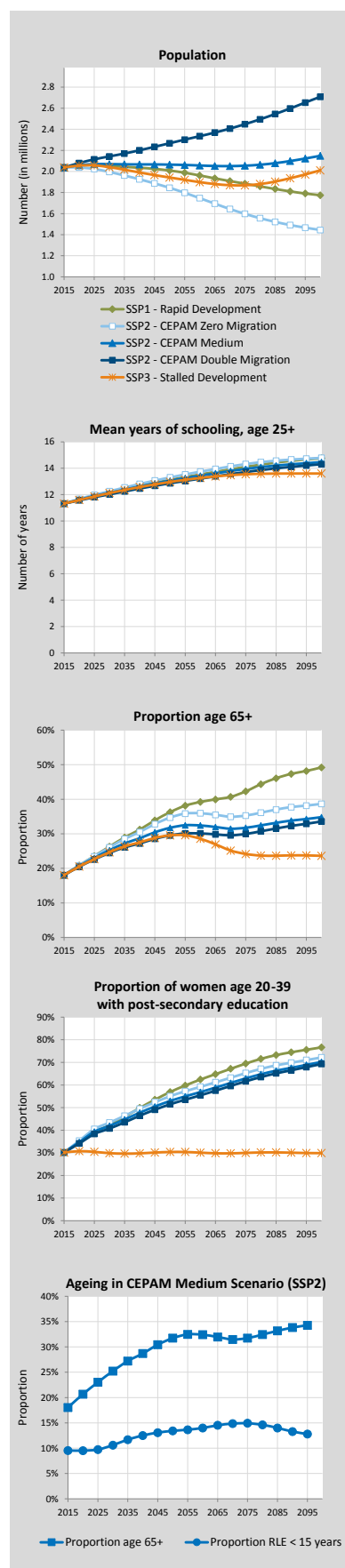
SSP3/CER : Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG : Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

Slovenia (Continued)

Alternative scenarios to 2100

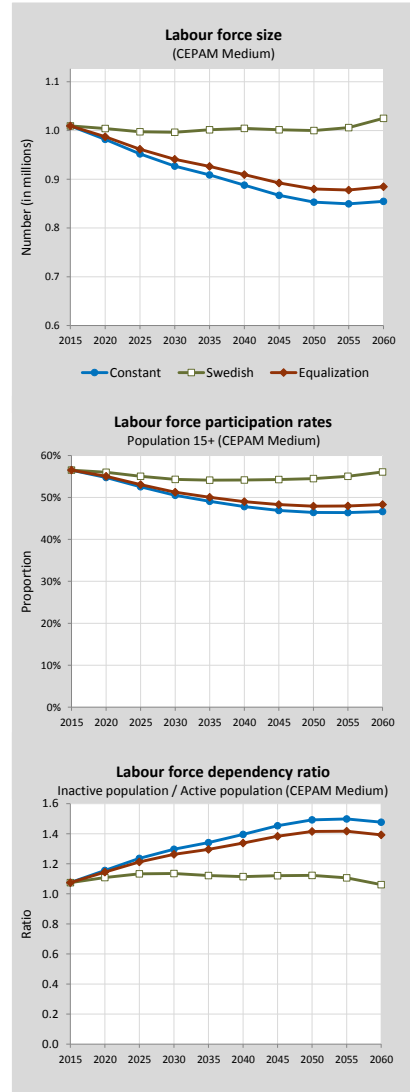
Projection results by scenario (SSP1-SSP3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	2.08	2.09	2.09	2.05	2.00	1.92	1.81
SSP2 - CEPAM Zero Migration	2.08	2.08	2.03	1.88	1.78	1.64	1.48
SSP2 - CEPAM Medium	2.08	2.10	2.11	2.10	2.09	2.09	2.19
SSP2 - CEPAM Double Migration	2.08	2.12	2.18	2.31	2.37	2.49	2.75
SSP3 - Stalled Development	2.08	2.09	2.08	1.98	1.94	1.91	2.05
Proportion age 65+							
SSP1 - Rapid Development	18.0%	20.9%	26.3%	36.3%	39.2%	42.3%	49.2%
SSP2 - CEPAM Zero Migration	18.0%	20.9%	26.1%	34.7%	36.0%	35.3%	38.7%
SSP2 - CEPAM Medium	18.0%	20.7%	25.2%	31.7%	32.4%	31.7%	34.8%
SSP2 - CEPAM Double Migration	18.0%	20.5%	24.5%	29.5%	30.1%	30.0%	33.6%
SSP3 - Stalled Development	18.0%	20.5%	24.7%	29.6%	28.6%	24.2%	23.6%
Proportion below age 20							
SSP1 - Rapid Development	19.3%	19.4%	17.5%	13.9%	13.3%	11.7%	10.6%
SSP2 - CEPAM Zero Migration	19.3%	19.7%	18.9%	17.4%	17.7%	16.8%	16.4%
SSP2 - CEPAM Medium	19.3%	19.7%	19.1%	17.9%	18.2%	17.6%	17.1%
SSP2 - CEPAM Double Migration	19.3%	19.7%	19.3%	18.2%	18.5%	17.9%	17.2%
SSP3 - Stalled Development	19.3%	20.0%	20.9%	22.2%	23.9%	24.8%	25.5%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	30.2%	34.6%	42.2%	56.9%	62.4%	69.5%	76.6%
SSP2 - CEPAM Zero Migration	30.2%	35.3%	43.4%	55.0%	59.2%	65.3%	72.2%
SSP2 - CEPAM Medium	30.2%	34.7%	41.9%	52.9%	56.9%	62.9%	70.2%
SSP2 - CEPAM Double Migration	30.2%	34.1%	40.7%	51.5%	55.4%	61.6%	69.3%
SSP3 - Stalled Development	30.2%	30.7%	29.9%	30.4%	30.1%	30.0%	29.9%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	11.3	11.6	12.1	13.1	13.5	14.1	14.8
SSP2 - CEPAM Zero Migration	11.3	11.7	12.3	13.3	13.7	14.3	14.8
SSP2 - CEPAM Medium	11.3	11.6	12.1	13.1	13.4	13.9	14.5
SSP2 - CEPAM Double Migration	11.3	11.6	12.0	12.9	13.2	13.7	14.3
SSP3 - Stalled Development	11.3	11.6	12.1	13.0	13.3	13.5	13.6
Demographic assumptions underlying SSPs							
	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.49	1.40	1.30	1.27	1.28	1.28	1.29
SSP2 - CEPAM Zero Migration	1.60	1.62	1.65	1.69	1.70	1.71	1.71
SSP2 - CEPAM Medium	1.60	1.62	1.65	1.70	1.71	1.71	1.72
SSP2 - CEPAM Double Migration	1.60	1.63	1.65	1.70	1.71	1.71	1.72
SSP3 - Stalled Development	1.72	1.89	2.09	2.24	2.26	2.28	2.30
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	84.4	85.9	88.9	94.9	97.9	102.3	108.3
SSP2 - CEPAM Zero Migration	83.9	84.9	86.9	90.9	92.9	96.0	99.9
SSP2 - CEPAM Medium	83.9	84.9	86.9	90.9	92.8	95.8	99.8
SSP2 - CEPAM Double Migration	83.9	84.9	86.9	90.8	92.8	95.7	99.7
SSP3 - Stalled Development	83.4	83.9	84.9	86.9	87.9	89.3	91.2
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	19.9	21.8	24.8	29.0	29.8	29.5	26.6
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	19.9	22.0	26.0	32.2	34.1	35.3	33.9
SSP2 - CEPAM Double Migration	39.7	43.4	49.9	59.2	61.2	61.2	55.8
SSP3 - Stalled Development	13.3	7.5	0.0	0.0	0.1	0.1	0.1
Ageing indicators by scenario							
	2015	2020	2030	2050	2060	2075	2095
Median age							
SSP1 - Rapid Development	43.0	44.5	48.5	54.1	55.3	59.4	63.3
SSP2 - CEPAM Zero Migration	43.0	44.6	48.5	51.9	51.6	53.2	53.8
SSP2 - CEPAM Medium	43.0	44.4	47.6	49.3	49.2	50.2	51.0
SSP2 - CEPAM Double Migration	43.0	44.1	46.7	47.7	47.9	48.8	50.1
SSP3 - Stalled Development	43.0	44.3	47.2	45.8	43.9	41.4	40.7
Proportion with less than 15 years of remaining life expectancy (RLE)							
SSP1 - Rapid Development	9.5%	9.5%	10.6%	13.4%	14.0%	14.9%	12.8%
SSP2 - CEPAM Zero Migration	9.9%	10.2%	12.1%	15.4%	16.4%	16.0%	13.3%
SSP2 - CEPAM Medium	9.9%	10.1%	11.7%	13.9%	14.3%	13.5%	11.4%
SSP2 - CEPAM Double Migration	9.9%	10.0%	11.3%	12.8%	12.9%	12.2%	10.7%
SSP3 - Stalled Development	10.2%	10.6%	13.0%	15.5%	15.9%	13.0%	10.7%



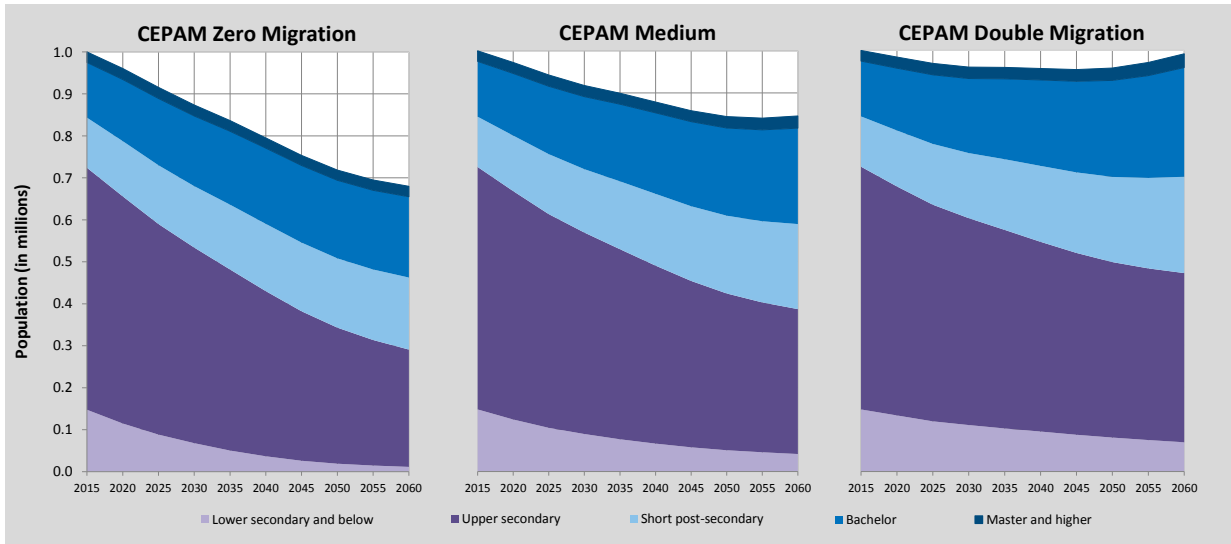
Slovenia (Continued)

Labour force projections to 2060

Labour force indicators	2015	2020	2030	2040	2050	2060
Labour force size, by participation and migration scenario (in millions)						
Constant (CEPAM Zero Migration)	1.00	0.96	0.87	0.80	0.72	0.68
Constant (CEPAM Medium)	1.00	0.97	0.92	0.88	0.84	0.85
Constant (CEPAM Double Migration)	1.00	0.98	0.96	0.96	0.96	0.99
Swedish (CEPAM Zero Migration)	1.00	0.98	0.94	0.91	0.85	0.82
Swedish (CEPAM Medium)	1.00	0.99	0.99	0.99	0.99	1.02
Swedish (CEPAM Double Migration)	1.00	1.01	1.03	1.08	1.12	1.19
Equalization (CEPAM Zero Migration)	1.00	0.97	0.89	0.82	0.74	0.70
Equalization (CEPAM Medium)	1.00	0.98	0.93	0.90	0.87	0.88
Equalization (CEPAM Double Migration)	1.00	0.99	0.97	0.98	0.99	1.03
Constant (CEPAM Medium-low fertility)	1.00	0.97	0.92	0.87	0.81	0.77
Swedish (CEPAM Medium-low fertility)	1.00	0.99	0.99	0.98	0.95	0.92
Equalization (CEPAM Medium-low fertility)	1.00	0.98	0.93	0.89	0.83	0.79
Labour force participation rates, age 15+, by participation scenario (CEPAM Medium)						
TOTAL (Constant)	56.5%	54.8%	50.5%	47.8%	46.4%	46.7%
TOTAL (Swedish)	56.5%	56.0%	54.3%	54.2%	54.5%	56.1%
TOTAL (Equalization)	56.5%	55.1%	51.3%	49.0%	47.9%	48.3%
MALE (Constant)	61.8%	59.5%	54.6%	51.7%	50.2%	50.2%
MALE (Swedish)	61.8%	60.8%	58.4%	58.1%	58.4%	59.9%
MALE (Equalization)	61.8%	59.5%	54.6%	51.7%	50.2%	50.2%
FEMALE (Constant)	51.3%	50.1%	46.4%	44.0%	42.6%	43.1%
FEMALE (Swedish)	51.3%	51.3%	50.2%	50.2%	50.6%	52.3%
FEMALE (Equalization)	51.3%	50.7%	48.0%	46.3%	45.6%	46.4%
Labour force (15+) by highest level of educational attainment. Columns sum to 100%. (CEPAM Medium; Constant participation)						
TOTAL E1-E4 - lower secondary and below	14.8%	12.7%	9.7%	7.6%	6.0%	4.9%
TOTAL E5 - upper secondary	57.6%	55.8%	52.2%	48.1%	44.2%	40.7%
TOTAL E6 - short post-secondary	11.9%	13.6%	16.4%	19.4%	21.9%	23.9%
TOTAL E7 - bachelor	13.2%	15.2%	18.8%	21.9%	24.7%	27.0%
TOTAL E8 - master and higher	2.5%	2.7%	2.9%	3.0%	3.2%	3.5%
MALE E1-E4 - lower secondary and below	14.8%	13.4%	11.0%	8.8%	7.0%	5.7%
MALE E5 - upper secondary	64.2%	62.6%	59.8%	56.6%	53.3%	50.6%
MALE E6 - short post-secondary	8.7%	9.9%	12.0%	14.2%	16.2%	17.9%
MALE E7 - bachelor	10.1%	11.8%	15.0%	18.3%	21.3%	23.4%
MALE E8 - master and higher	2.2%	2.2%	2.2%	2.1%	2.2%	2.4%
FEMALE E1-E4 - lower secondary and below	14.7%	12.0%	8.3%	6.1%	4.9%	4.0%
FEMALE E5 - upper secondary	50.0%	47.8%	43.3%	38.2%	33.4%	29.2%
FEMALE E6 - short post-secondary	15.7%	17.8%	21.5%	25.6%	28.6%	31.0%
FEMALE E7 - bachelor	16.7%	19.1%	23.2%	26.1%	28.8%	31.1%
FEMALE E8 - master and higher	2.9%	3.2%	3.7%	3.9%	4.3%	4.7%



Labour force size by educational attainment according to three migration scenarios, 2015-2060 (Labour force participation = Constant scenario)



Spain

Detailed Human Capital projections to 2060

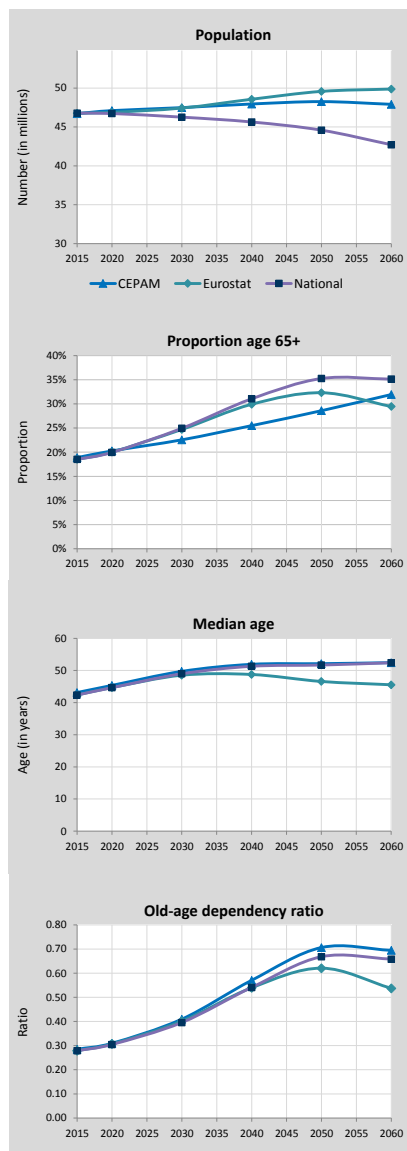
Comparison of CEPAM projections with other sources

Demographic indicators - CEPAM Medium Scenario (SSP2), Eurostat and national projections		2015	2020	2030	2040	2050	2060
Population (in millions)	CEPAM	46.40	46.78	47.17	47.64	47.94	47.59
	Eurostat	46.45	46.56	47.11	48.24	49.26	49.56
	National	46.45	46.41	45.94	45.32	44.27	42.40
Proportion age 65+	CEPAM	18.9%	20.3%	22.6%	25.5%	28.6%	31.9%
	Eurostat	18.5%	20.0%	24.7%	29.9%	32.3%	29.5%
	National	18.5%	20.0%	24.9%	31.1%	35.3%	35.1%
Proportion below age 20	CEPAM	19.4%	19.3%	17.0%	16.2%	16.8%	17.1%
	Eurostat	19.8%	19.9%	18.8%	19.4%	20.7%	21.3%
	National	19.8%	19.6%	17.1%	15.7%	16.1%	15.9%
Median age	CEPAM	43.2	45.4	49.7	51.9	52.1	52.4
	Eurostat	42.4	44.7	48.5	48.8	46.6	45.6
	National	42.4	44.7	49.0	51.3	51.7	52.4
Old-age dependency ratio (65+/15-64)	CEPAM	0.29	0.31	0.41	0.57	0.71	0.69
	Eurostat	0.28	0.31	0.40	0.54	0.62	0.54
	National	0.28	0.30	0.40	0.54	0.67	0.66
Young-age dependency ratio (0-14/15-64)	CEPAM	0.23	0.22	0.20	0.22	0.25	0.24
	Eurostat	0.23	0.23	0.22	0.26	0.30	0.29
	National	0.23	0.22	0.19	0.20	0.23	0.22
Parent support ratio (85+/50-64)	CEPAM	0.15	0.16	0.17	0.28	0.53	0.69
	Eurostat	0.15	0.16	0.17	0.27	0.49	0.56
	National	0.15	0.16	0.17	0.27	0.49	0.61

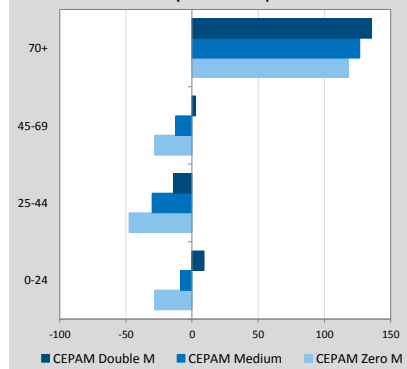
Demographic assumptions underlying projections		2010-2015	2015-2020	2025-2030	2035-2040	2045-2050	2055-2060	
Total fertility rate	CEPAM	1.37	1.43	1.48	1.57	1.65	1.69	
	Eurostat	1.45	1.65	1.76	1.86	1.88	1.88	
	National	1.34	1.35	1.36	1.38	1.41	1.42	
Life expectancy at birth (in years)	Male	CEPAM	80.6	81.7	82.7	84.8	87.0	89.1
		Eurostat	80.6	81.3	82.0	83.3	84.5	85.6
		National	80.6	81.6	82.6	84.4	86.0	87.5
Female	CEPAM	86.0	87.1	88.1	90.2	92.3	94.4	
	Eurostat	86.0	86.6	87.2	88.2	89.2	90.1	
	National	85.9	86.6	87.3	88.6	89.7	90.9	
Five-year net migration flow (in thousands)	CEPAM	484.9	522.6	558.1	621.1	673.3	714.0	
	Eurostat	104.4	321.9	499.2	834.9	832.5	794.9	
	National	98.0	202.4	262.5	317.1	353.5	386.9	

Changes in population size and structure according to CEPAM scenarios (impact of migration)

Population size according to CEPAM projections to 2060		2015	2020	2030	2040	2050	2060
Population (in millions)	Zero M	46.40	46.27	45.35	44.21	42.63	40.14
	Medium	46.40	46.78	47.17	47.64	47.94	47.59
	Double M	46.40	47.30	48.95	50.97	53.03	54.64
Population 0-24 (in millions)	Zero M	11.25	11.00	10.03	8.77	8.42	8.11
	Medium	11.25	11.15	10.59	9.85	10.04	10.26
	Double M	11.25	11.31	11.14	10.90	11.59	12.29
Population 25-44 (in millions)	Zero M	13.42	11.65	9.07	8.98	8.33	7.05
	Medium	13.42	11.95	10.00	10.36	10.13	9.37
	Double M	13.42	12.25	10.91	11.69	11.83	11.53
Population 45-69 (in millions)	Zero M	15.33	16.64	17.56	15.06	11.82	11.04
	Medium	15.33	16.69	17.87	15.96	13.51	13.45
	Double M	15.33	16.75	18.17	16.85	15.15	15.75
Population 70+ (in millions)	Zero M	6.40	6.99	8.69	11.39	14.05	13.95
	Medium	6.40	6.99	8.72	11.46	14.26	14.52
	Double M	6.40	7.00	8.74	11.53	14.46	15.08

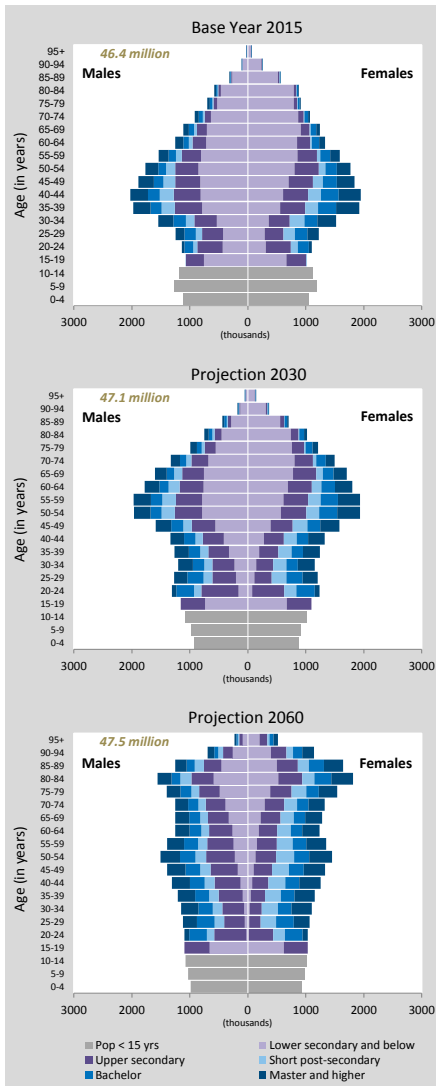


Change in population size between 2015 and 2060 (in % of 2015)



Spain (Continued)

Pyramids by education, CEPAM Medium

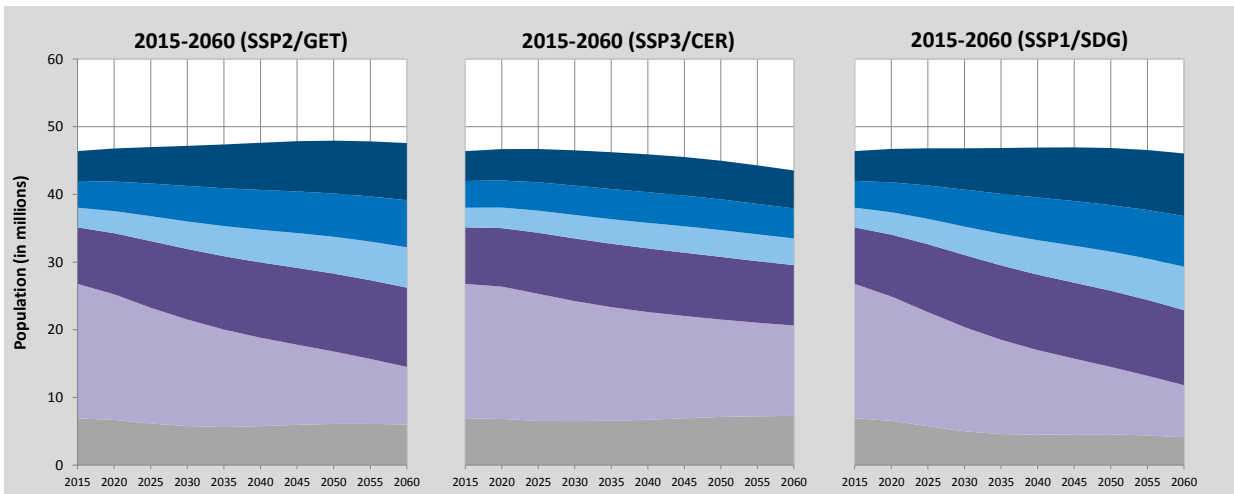


Detailed Human Capital projections to 2060

Human Capital indicators, CEPAM Medium (SSP2)

	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1-E4 - lower secondary and below	50.3%	46.4%	38.5%	31.1%	24.9%	19.2%
E5 - upper secondary	19.4%	20.6%	22.9%	24.7%	25.9%	26.5%
E6 - short post-secondary	7.7%	8.5%	10.2%	11.9%	13.6%	15.1%
E7 - bachelor	10.3%	11.1%	12.7%	14.1%	15.5%	17.0%
E8 - master and higher	12.3%	13.4%	15.7%	18.0%	20.2%	22.2%
Mean years of schooling (in years)	10.31	10.74	11.53	12.19	12.71	13.18
Age gap: highest educational attainment (ratio 35-44/50-64)						
E1-E4 - lower secondary and below	0.67	0.70	0.63	0.50	0.46	0.47
E5 - upper secondary	1.08	1.05	1.18	1.16	1.04	0.97
E6 - short post-secondary	2.06	1.56	1.25	1.26	1.21	1.15
E7 - bachelor	1.40	1.34	1.24	1.26	1.22	1.15
E8 - master and higher	1.57	1.39	1.23	1.25	1.22	1.15
Mean years of schooling (35-44 minus 50-64)	1.73	1.46	1.56	1.45	0.87	0.71
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1-E4 - lower secondary and below	0.98	1.00	1.05	1.11	1.18	1.25
E5 - upper secondary	1.12	1.11	1.12	1.15	1.20	1.27
E6 - short post-secondary	1.11	1.03	0.90	0.80	0.73	0.67
E7 - bachelor	0.83	0.85	0.86	0.88	0.91	0.94
E8 - master and higher	0.98	0.96	0.91	0.88	0.85	0.84
Mean years of schooling (male minus female)	0.24	0.14	-0.08	-0.28	-0.40	-0.46
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1-E4 - lower secondary and below	26%	21%	11%	7%	4%	3%
E5 - upper secondary	27%	28%	30%	28%	26%	25%
E6 - short post-secondary	14%	16%	19%	21%	22%	23%
E7 - bachelor	16%	17%	21%	22%	23%	25%
E8 - master and higher	17%	17%	19%	22%	24%	24%
Mean years of schooling (in years)	12.61	13.02	13.68	14.02	14.26	14.43
Age gap among women: highest educational attainment (ratio 35-44/50-64)						
E1-E4 - lower secondary and below	0.56	0.59	0.56	0.47	0.42	0.43
E5 - upper secondary	1.06	1.03	1.17	1.05	0.91	0.88
E6 - short post-secondary	2.65	2.05	1.65	1.38	1.23	1.16
E7 - bachelor	1.52	1.32	1.03	1.15	1.23	1.16
E8 - master and higher	1.89	1.53	1.19	1.22	1.23	1.16
Mean years of schooling (35-44 minus 50-64)	2.83	2.42	1.84	1.66	1.17	0.94

Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG



Colour legend as in pyramids above

Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

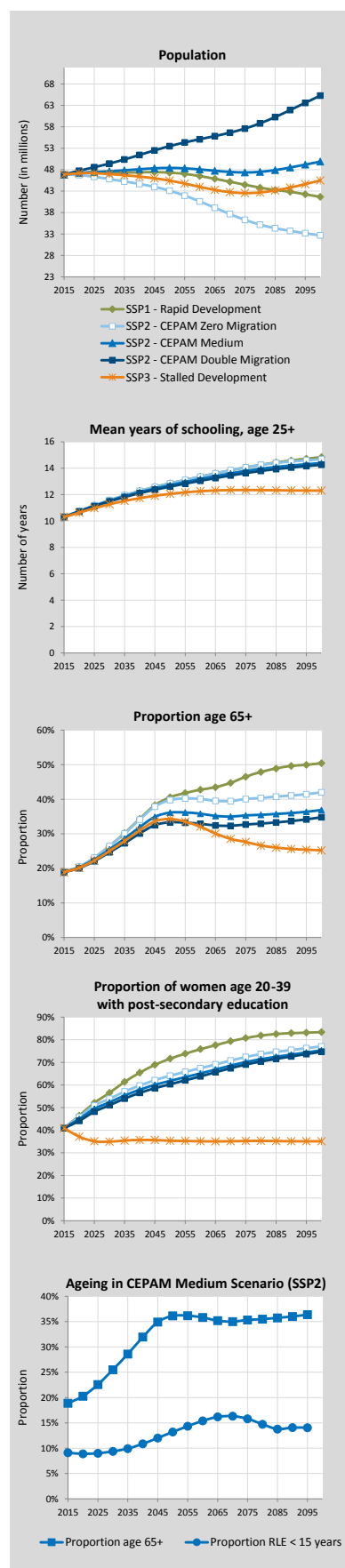
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

Spain (Continued)

Alternative scenarios to 2100

Projection results by scenario (SSP1-SSP3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	46.40	46.73	46.80	46.84	46.05	44.02	41.19
SSP2 - CEPAM Zero Migration	46.40	46.27	45.35	42.63	40.14	35.83	32.19
SSP2 - CEPAM Medium	46.40	46.79	47.17	47.94	47.59	46.89	49.42
SSP2 - CEPAM Double Migration	46.40	47.30	48.95	53.03	54.64	57.13	64.82
SSP3 - Stalled Development	46.40	46.70	46.50	44.99	43.53	42.07	45.03
Proportion age 65+							
SSP1 - Rapid Development	18.9%	20.4%	26.5%	40.6%	42.8%	46.5%	50.4%
SSP2 - CEPAM Zero Migration	18.9%	20.5%	26.4%	39.8%	40.1%	40.1%	42.0%
SSP2 - CEPAM Medium	18.9%	20.3%	25.5%	36.1%	35.8%	35.3%	36.9%
SSP2 - CEPAM Double Migration	18.9%	20.1%	24.7%	33.3%	32.9%	32.7%	34.8%
SSP3 - Stalled Development	18.9%	20.2%	25.0%	34.3%	32.1%	27.6%	25.2%
Proportion below age 20							
SSP1 - Rapid Development	19.4%	19.0%	15.5%	13.0%	12.4%	11.4%	10.8%
SSP2 - CEPAM Zero Migration	19.4%	19.2%	16.7%	15.9%	15.9%	15.8%	15.5%
SSP2 - CEPAM Medium	19.4%	19.3%	17.0%	16.8%	17.1%	17.2%	17.0%
SSP2 - CEPAM Double Migration	19.4%	19.3%	17.4%	17.6%	17.9%	18.1%	17.6%
SSP3 - Stalled Development	19.4%	19.6%	18.8%	20.8%	22.2%	24.3%	25.3%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	40.9%	46.4%	56.5%	71.6%	75.8%	80.7%	83.4%
SSP2 - CEPAM Zero Migration	40.9%	45.9%	53.9%	64.1%	67.4%	72.4%	77.1%
SSP2 - CEPAM Medium	40.9%	45.0%	52.3%	61.8%	65.1%	70.1%	75.3%
SSP2 - CEPAM Double Migration	40.9%	44.1%	51.0%	60.3%	63.8%	69.0%	74.7%
SSP3 - Stalled Development	40.9%	37.2%	34.9%	35.4%	35.1%	35.2%	35.1%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	10.3	10.7	11.6	12.9	13.4	14.1	14.8
SSP2 - CEPAM Zero Migration	10.3	10.8	11.6	12.8	13.4	14.1	14.7
SSP2 - CEPAM Medium	10.3	10.7	11.5	12.7	13.2	13.8	14.4
SSP2 - CEPAM Double Migration	10.3	10.7	11.5	12.6	13.0	13.6	14.3
SSP3 - Stalled Development	10.3	10.6	11.3	12.1	12.3	12.4	12.3
Demographic assumptions underlying SSPs							
	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.28	1.23	1.19	1.25	1.27	1.29	1.29
SSP2 - CEPAM Zero Migration	1.37	1.43	1.52	1.67	1.70	1.72	1.71
SSP2 - CEPAM Medium	1.37	1.43	1.53	1.68	1.71	1.72	1.72
SSP2 - CEPAM Double Migration	1.38	1.44	1.53	1.68	1.71	1.72	1.72
SSP3 - Stalled Development	1.50	1.72	1.98	2.28	2.33	2.36	2.36
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	86.5	88.1	91.2	97.3	100.4	105.0	108.1
SSP2 - CEPAM Zero Migration	86.0	87.1	89.2	93.4	95.5	98.6	102.8
SSP2 - CEPAM Medium	86.0	87.1	89.2	93.3	95.4	98.5	102.7
SSP2 - CEPAM Double Migration	86.0	87.1	89.1	93.3	95.4	98.5	102.6
SSP3 - Stalled Development	85.5	86.1	87.1	89.2	90.3	91.8	93.9
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	485.3	519.7	571.1	635.9	646.5	638.4	582.8
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	484.9	522.6	591.0	695.2	729.1	752.0	731.8
SSP2 - CEPAM Double Migration	969.8	1037.3	1155.7	1322.5	1368.3	1382.6	1306.4
SSP3 - Stalled Development	323.2	176.3	0.6	0.7	0.8	1.0	1.1
Ageing indicators by scenario							
	2015	2020	2030	2050	2060	2075	2095
Median age							
SSP1 - Rapid Development	43.2	45.5	50.5	56.6	58.5	62.2	65.0
SSP2 - CEPAM Zero Migration	43.2	45.6	50.7	55.5	55.7	56.4	56.7
SSP2 - CEPAM Medium	43.2	45.4	49.7	52.1	52.4	51.9	52.3
SSP2 - CEPAM Double Migration	43.2	45.1	48.7	49.9	50.4	49.7	50.6
SSP3 - Stalled Development	43.2	45.3	49.4	49.4	47.5	43.0	41.5
Proportion with less than 15 years of remaining life expectancy (RLE)							
SSP1 - Rapid Development	9.1%	8.9%	9.4%	13.2%	15.4%	15.8%	14.0%
SSP2 - CEPAM Zero Migration	9.4%	9.5%	10.4%	15.9%	18.8%	16.6%	14.5%
SSP2 - CEPAM Medium	9.4%	9.4%	10.0%	14.2%	16.1%	13.7%	11.9%
SSP2 - CEPAM Double Migration	9.4%	9.3%	9.7%	13.0%	14.3%	12.0%	10.7%
SSP3 - Stalled Development	9.7%	9.9%	11.0%	16.3%	17.8%	13.2%	11.1%



Spain (Continued)

Labour force projections to 2060

Labour force indicators

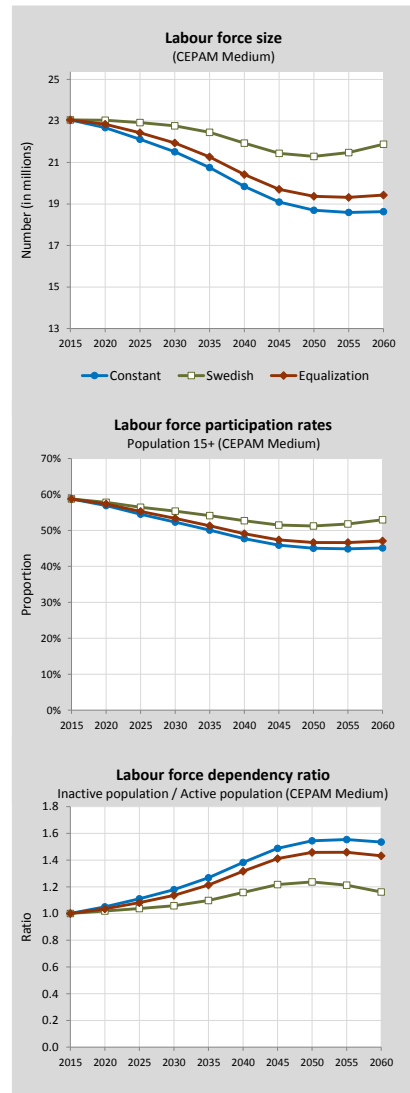
	2015	2020	2030	2040	2050	2060
Labour force size, by participation and migration scenario (in millions)						
Constant (CEPAM Zero Migration)	23.19	22.49	20.55	17.99	15.86	14.84
Constant (CEPAM Medium)	23.19	22.82	21.65	19.99	18.84	18.77
Constant (CEPAM Double Migration)	23.19	23.14	22.74	21.93	21.68	22.46
Swedish (CEPAM Zero Migration)	23.19	22.85	21.78	19.96	18.17	17.53
Swedish (CEPAM Medium)	23.19	23.18	22.91	22.07	21.44	22.02
Swedish (CEPAM Double Migration)	23.19	23.50	24.02	24.12	24.55	26.23
Equalization (CEPAM Zero Migration)	23.19	22.66	20.96	18.49	16.39	15.43
Equalization (CEPAM Medium)	23.19	22.99	22.08	20.56	19.51	19.57
Equalization (CEPAM Double Migration)	23.19	23.31	23.19	22.58	22.49	23.45
Constant (CEPAM Medium-low fertility)	23.19	22.82	21.64	19.83	18.12	17.17
Swedish (CEPAM Medium-low fertility)	23.19	23.18	22.90	21.85	20.54	20.11
Equalization (CEPAM Medium-low fertility)	23.19	22.99	22.07	20.40	18.77	17.92

Labour force participation rates, age 15+, by participation scenario (CEPAM Medium)

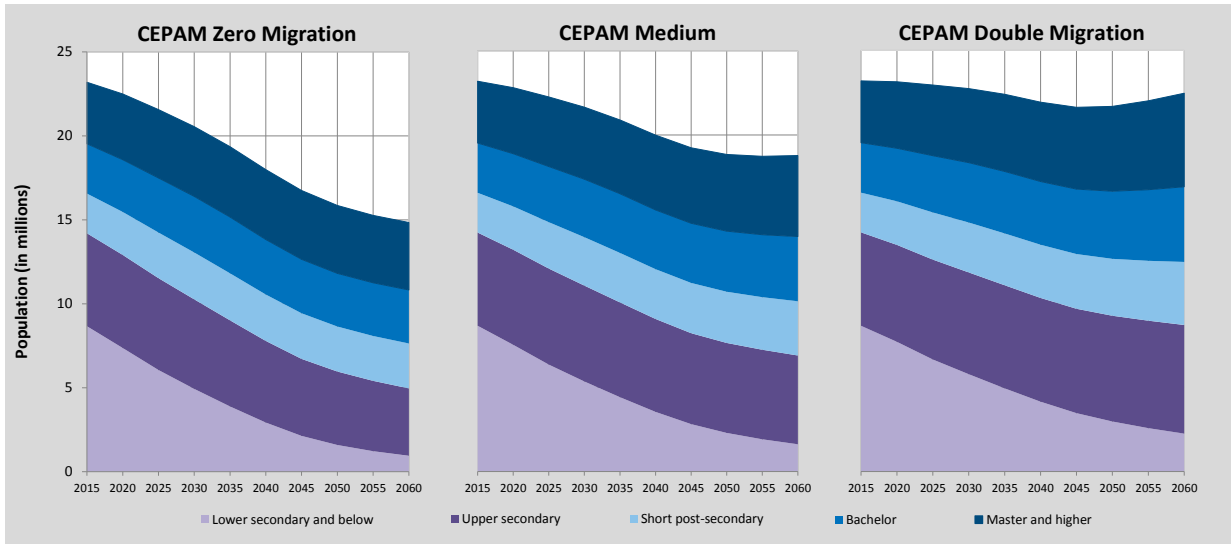
TOTAL (Constant)	58.7%	56.9%	52.3%	47.7%	45.0%	45.1%
TOTAL (Swedish)	58.7%	57.8%	55.4%	52.7%	51.2%	52.9%
TOTAL (Equalization)	58.7%	57.3%	53.4%	49.1%	46.6%	47.1%
MALE (Constant)	65.0%	62.7%	57.1%	51.8%	49.0%	49.2%
MALE (Swedish)	65.0%	63.5%	60.0%	56.8%	55.3%	57.0%
MALE (Equalization)	65.0%	62.7%	57.1%	51.8%	49.0%	49.2%
FEMALE (Constant)	52.8%	51.4%	47.7%	43.8%	41.3%	41.3%
FEMALE (Swedish)	52.8%	52.4%	50.9%	48.8%	47.4%	49.2%
FEMALE (Equalization)	52.8%	52.2%	49.8%	46.5%	44.4%	45.1%

Labour force (15+) by highest level of educational attainment. Columns sum to 100%. (CEPAM Medium; Constant participation)

TOTAL E1-E4 - lower secondary and below	37.3%	33.0%	24.7%	17.7%	12.2%	8.6%
TOTAL E5 - upper secondary	23.9%	24.8%	26.3%	27.6%	28.4%	28.1%
TOTAL E6 - short post-secondary	10.2%	11.3%	13.3%	14.8%	16.1%	17.2%
TOTAL E7 - bachelor	12.8%	13.7%	15.9%	17.6%	19.1%	20.5%
TOTAL E8 - master and higher	15.8%	17.2%	19.8%	22.2%	24.2%	25.6%
MALE E1-E4 - lower secondary and below	42.1%	38.2%	30.2%	22.4%	15.7%	11.2%
MALE E5 - upper secondary	23.9%	25.1%	27.5%	30.2%	32.3%	33.2%
MALE E6 - short post-secondary	9.6%	10.2%	11.0%	11.2%	11.9%	12.8%
MALE E7 - bachelor	10.4%	11.5%	14.1%	16.5%	18.4%	19.8%
MALE E8 - master and higher	14.0%	15.1%	17.2%	19.7%	21.7%	23.1%
FEMALE E1-E4 - lower secondary and below	31.8%	27.0%	18.5%	12.4%	8.3%	5.8%
FEMALE E5 - upper secondary	23.8%	24.4%	24.9%	24.8%	24.0%	22.4%
FEMALE E6 - short post-secondary	10.8%	12.6%	15.9%	18.8%	20.8%	22.1%
FEMALE E7 - bachelor	15.6%	16.3%	18.0%	18.8%	20.0%	21.3%
FEMALE E8 - master and higher	18.0%	19.7%	22.6%	25.1%	27.0%	28.5%



Labour force size by educational attainment according to three migration scenarios, 2015-2060 (Labour force participation = Constant scenario)



Sweden

Detailed Human Capital projections to 2060

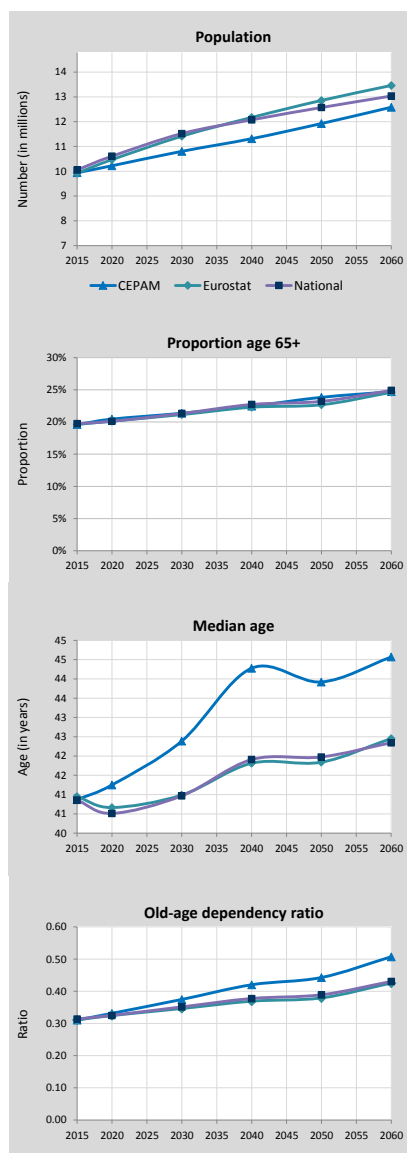
Comparison of CEPAM projections with other sources

Demographic indicators - CEPAM Medium Scenario (SSP2), Eurostat and national projections		2015	2020	2030	2040	2050	2060
Population (in millions)	CEPAM	9.76	10.05	10.63	11.14	11.75	12.41
	Eurostat	9.75	10.29	11.24	11.99	12.68	13.28
	National	9.88	10.43	11.34	11.90	12.39	12.86
Proportion age 65+	CEPAM	19.6%	20.4%	21.4%	22.5%	23.8%	24.7%
	Eurostat	19.6%	20.1%	21.2%	22.3%	22.7%	24.6%
	National	19.7%	20.1%	21.3%	22.7%	23.2%	24.9%
Proportion below age 20	CEPAM	22.5%	23.1%	23.3%	22.4%	21.9%	22.1%
	Eurostat	22.7%	23.4%	23.8%	23.4%	23.3%	23.4%
	National	22.7%	23.6%	24.0%	23.3%	22.8%	23.0%
Median age	CEPAM	40.9	41.3	42.4	44.3	43.9	44.6
	Eurostat	40.9	40.7	41.0	41.8	41.8	42.5
	National	40.9	40.5	41.0	41.9	42.0	42.3
Old-age dependency ratio (65+/15-64)	CEPAM	0.31	0.33	0.37	0.42	0.44	0.51
	Eurostat	0.31	0.32	0.35	0.37	0.38	0.43
	National	0.31	0.33	0.35	0.38	0.39	0.43
Young-age dependency ratio (0-14/15-64)	CEPAM	0.27	0.29	0.29	0.28	0.29	0.30
	Eurostat	0.27	0.29	0.29	0.29	0.29	0.30
	National	0.28	0.29	0.30	0.28	0.29	0.30
Parent support ratio (85+/50-64)	CEPAM	0.15	0.14	0.20	0.28	0.33	0.47
	Eurostat	0.15	0.14	0.19	0.25	0.26	0.33
	National	0.14	0.14	0.20	0.25	0.28	0.35

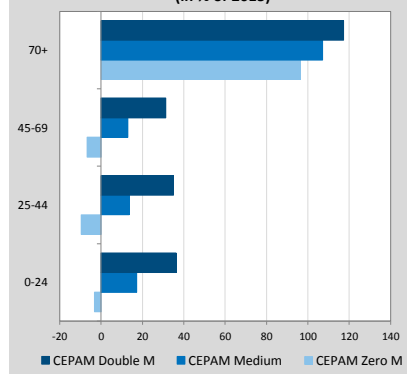
Demographic assumptions underlying projections		2010-2015	2015-2020	2025-2030	2035-2040	2045-2050	2055-2060	
Total fertility rate	CEPAM	1.93	1.96	1.97	1.99	2.00	1.99	
	Eurostat	1.86	1.88	1.90	1.94	1.97	2.00	
	National	1.88	1.94	1.92	1.90	1.89	1.89	
Life expectancy at birth (in years)	Male	CEPAM	81.0	82.0	83.1	85.2	87.2	89.3
		Eurostat	80.8	81.4	82.0	83.2	84.4	85.5
		National	80.9	81.8	82.5	83.9	85.2	86.4
Female	CEPAM	84.4	85.4	86.5	88.6	90.8	92.9	
	Eurostat	84.5	85.1	85.8	86.9	88.1	89.2	
	National	84.3	84.9	85.5	86.7	87.8	88.8	
Five-year net migration flow (in thousands)	CEPAM	121.6	130.2	138.1	152.1	162.9	169.7	
	Eurostat	396.8	329.3	302.7	209.8	174.5	141.8	
	National	421.3	340.4	239.5	156.6	118.6	109.7	

Changes in population size and structure according to CEPAM scenarios (impact of migration)

Population size according to CEPAM projections to 2060		2015	2020	2030	2040	2050	2060
Population (in millions)	Zero M	9.76	9.91	10.16	10.26	10.39	10.49
	Medium	9.76	10.05	10.63	11.14	11.75	12.41
	Double M	9.76	10.18	11.09	11.99	13.04	14.18
Population 0-24 (in millions)	Zero M	2.89	2.79	2.93	2.84	2.77	2.80
	Medium	2.89	2.83	3.08	3.14	3.22	3.39
	Double M	2.89	2.88	3.23	3.42	3.64	3.94
Population 25-44 (in millions)	Zero M	2.53	2.57	2.38	2.18	2.36	2.29
	Medium	2.53	2.64	2.61	2.52	2.80	2.87
	Double M	2.53	2.72	2.83	2.84	3.22	3.41
Population 45-69 (in millions)	Zero M	3.03	3.03	3.07	3.13	2.92	2.83
	Medium	3.03	3.04	3.14	3.35	3.34	3.42
	Double M	3.03	3.05	3.21	3.57	3.74	3.98
Population 70+ (in millions)	Zero M	1.31	1.53	1.79	2.11	2.34	2.58
	Medium	1.31	1.53	1.80	2.13	2.39	2.72
	Double M	1.31	1.53	1.81	2.14	2.43	2.85

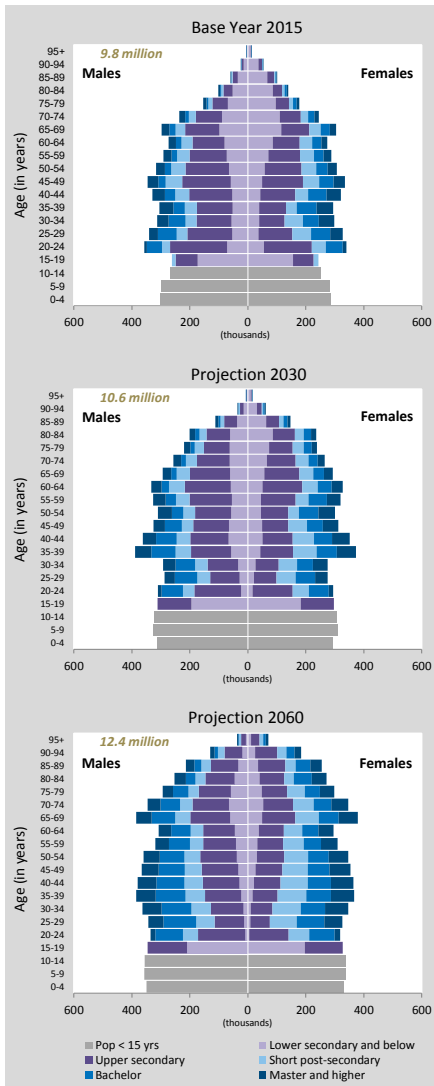


Change in population size between 2015 and 2060 (in % of 2015)



Sweden (Continued)

Pyramids by education, CEPAM Medium



Detailed Human Capital projections to 2060

Human Capital indicators, CEPAM Medium (SSP2)

	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1-E4 - lower secondary and below	26.1%	23.4%	19.1%	15.6%	12.9%	10.8%
E5 - upper secondary	37.8%	37.4%	36.7%	35.6%	33.9%	31.7%
E6 - short post-secondary	13.7%	14.5%	15.9%	17.0%	18.0%	19.0%
E7 - bachelor	11.8%	13.3%	15.4%	17.5%	19.6%	21.5%
E8 - master and higher	10.5%	11.4%	12.9%	14.3%	15.6%	16.9%
Mean years of schooling (in years)	12.14	12.38	12.74	13.03	13.27	13.48

Age gap: highest educational attainment (ratio 35-44/50-64)

E1-E4 - lower secondary and below	0.60	0.82	0.89	0.65	0.55	0.52
E5 - upper secondary	0.95	0.80	0.81	0.94	0.93	0.90
E6 - short post-secondary	0.88	0.91	1.20	1.23	1.17	1.16
E7 - bachelor	1.80	1.82	1.34	1.17	1.18	1.16
E8 - master and higher	1.68	1.54	1.10	1.09	1.17	1.16
Mean years of schooling (35-44 minus 50-64)	0.90	0.64	0.39	0.60	0.70	0.67

Gender gap (population age 25+): highest educational attainment (ratio male/female)

E1-E4 - lower secondary and below	0.93	0.96	1.02	1.09	1.16	1.19
E5 - upper secondary	1.24	1.23	1.21	1.22	1.23	1.26
E6 - short post-secondary	0.90	0.85	0.80	0.75	0.72	0.69
E7 - bachelor	0.69	0.76	0.86	0.94	1.01	1.08
E8 - master and higher	0.97	0.93	0.88	0.85	0.82	0.81
Mean years of schooling (male minus female)	-0.10	-0.16	-0.22	-0.28	-0.31	-0.32

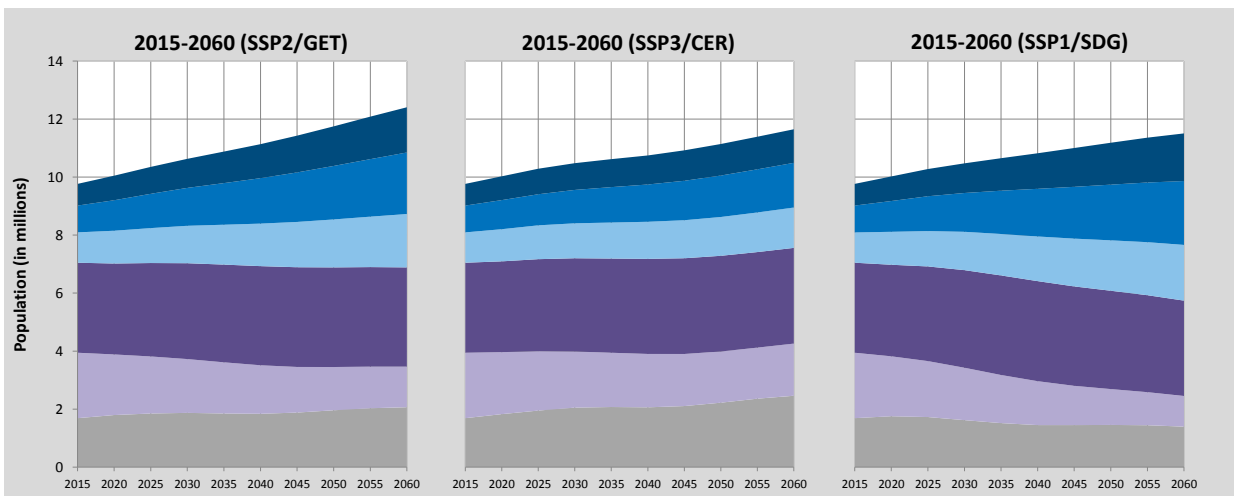
Women age 20-39: highest educational attainment (columns sum to 100%)

E1-E4 - lower secondary and below	14%	12%	9%	6%	4%	3%
E5 - upper secondary	37%	34%	34%	32%	29%	27%
E6 - short post-secondary	17%	20%	22%	24%	25%	27%
E7 - bachelor	20%	19%	21%	23%	25%	26%
E8 - master and higher	13%	14%	15%	16%	17%	18%
Mean years of schooling (in years)	13.19	13.27	13.51	13.74	13.97	14.14

Age gap among women: highest educational attainment (ratio 35-44/50-64)

E1-E4 - lower secondary and below	0.53	0.73	0.86	0.67	0.54	0.48
E5 - upper secondary	0.92	0.75	0.81	0.95	0.89	0.86
E6 - short post-secondary	0.81	1.01	1.52	1.27	1.17	1.16
E7 - bachelor	1.80	1.56	0.96	1.02	1.17	1.16
E8 - master and higher	1.87	1.72	1.17	1.07	1.17	1.16
Mean years of schooling (35-44 minus 50-64)	1.34	0.90	0.61	0.63	0.87	0.88

Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG



Colour legend as in pyramids above

Education scenarios

SSP2/GET : Global Education Trend Scenario (Medium assumption)

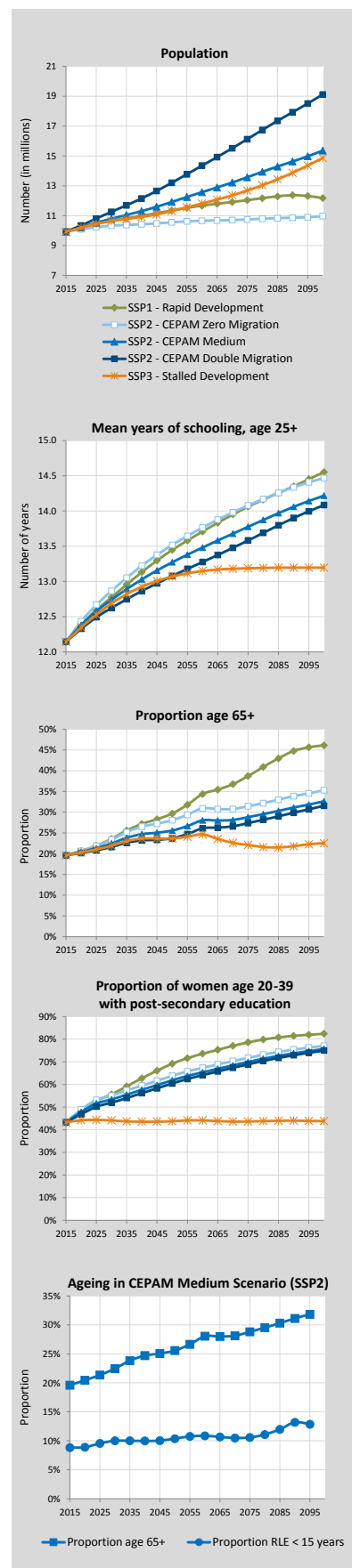
SSP3/CER : Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG : Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

Sweden (Continued)

Alternative scenarios to 2100

Projection results by scenario (SSP1-SSP3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	9.76	10.02	10.48	11.18	11.51	11.87	12.01
SSP2 - CEPAM Zero Migration	9.76	9.92	10.16	10.39	10.49	10.58	10.80
SSP2 - CEPAM Medium	9.76	10.05	10.63	11.75	12.41	13.41	15.19
SSP2 - CEPAM Double Migration	9.76	10.18	11.09	13.04	14.18	15.96	18.95
SSP3 - Stalled Development	9.76	10.03	10.48	11.14	11.65	12.52	14.70
Proportion age 65+							
SSP1 - Rapid Development	19.6%	20.6%	23.6%	29.7%	34.4%	38.7%	46.1%
SSP2 - CEPAM Zero Migration	19.6%	20.7%	23.4%	28.1%	30.9%	31.5%	35.3%
SSP2 - CEPAM Medium	19.6%	20.4%	22.5%	25.6%	28.1%	28.8%	32.6%
SSP2 - CEPAM Double Migration	19.6%	20.2%	21.6%	23.7%	26.1%	27.4%	31.6%
SSP3 - Stalled Development	19.6%	20.3%	21.9%	23.7%	24.7%	22.1%	22.5%
Proportion below age 20							
SSP1 - Rapid Development	22.5%	22.7%	21.3%	17.4%	16.5%	14.5%	12.7%
SSP2 - CEPAM Zero Migration	22.5%	23.1%	23.1%	21.3%	21.5%	20.3%	19.1%
SSP2 - CEPAM Medium	22.5%	23.1%	23.3%	21.9%	22.1%	21.0%	19.8%
SSP2 - CEPAM Double Migration	22.5%	23.1%	23.5%	22.4%	22.4%	21.4%	20.0%
SSP3 - Stalled Development	22.5%	23.5%	25.3%	26.0%	27.5%	27.5%	27.2%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	43.3%	48.4%	55.6%	69.1%	73.6%	78.5%	82.4%
SSP2 - CEPAM Zero Migration	43.3%	48.9%	55.1%	63.8%	67.3%	71.7%	77.1%
SSP2 - CEPAM Medium	43.3%	47.8%	53.4%	61.8%	65.3%	69.9%	75.6%
SSP2 - CEPAM Double Migration	43.3%	46.8%	51.9%	60.4%	64.1%	68.9%	75.0%
SSP3 - Stalled Development	43.3%	44.2%	44.1%	43.8%	44.1%	43.6%	43.8%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	12.1	12.4	12.8	13.4	13.7	14.1	14.6
SSP2 - CEPAM Zero Migration	12.1	12.4	12.9	13.5	13.8	14.1	14.5
SSP2 - CEPAM Medium	12.1	12.4	12.7	13.3	13.5	13.8	14.2
SSP2 - CEPAM Double Migration	12.1	12.3	12.6	13.1	13.3	13.6	14.1
SSP3 - Stalled Development	12.1	12.3	12.7	13.1	13.1	13.2	13.2
Demographic assumptions underlying SSPs							
	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.80	1.69	1.56	1.50	1.49	1.47	1.44
SSP2 - CEPAM Zero Migration	1.93	1.96	1.99	2.00	1.99	1.96	1.92
SSP2 - CEPAM Medium	1.93	1.96	1.98	2.00	1.98	1.96	1.92
SSP2 - CEPAM Double Migration	1.93	1.95	1.97	1.99	1.98	1.95	1.92
SSP3 - Stalled Development	2.07	2.25	2.45	2.54	2.52	2.48	2.43
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	84.9	86.4	89.6	95.8	99.0	103.6	106.9
SSP2 - CEPAM Zero Migration	84.4	85.4	87.6	91.9	94.0	97.3	101.5
SSP2 - CEPAM Medium	84.4	85.4	87.6	91.8	93.9	97.1	101.4
SSP2 - CEPAM Double Migration	84.4	85.4	87.6	91.8	93.9	97.1	101.3
SSP3 - Stalled Development	83.9	84.4	85.6	87.8	89.0	90.6	92.8
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	121.7	129.5	140.6	153.4	153.3	147.0	130.4
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	121.6	130.2	145.4	166.8	171.6	171.8	161.4
SSP2 - CEPAM Double Migration	243.2	258.0	282.6	312.6	315.2	305.6	273.6
SSP3 - Stalled Development	81.0	44.0	0.2	0.2	0.2	0.2	0.3
Ageing indicators by scenario							
	2015	2020	2030	2050	2060	2075	2095
Median age							
SSP1 - Rapid Development	40.9	41.5	43.6	48.7	51.0	55.7	60.7
SSP2 - CEPAM Zero Migration	40.9	41.6	43.3	45.6	46.4	48.2	49.8
SSP2 - CEPAM Medium	40.9	41.3	42.4	43.9	44.6	46.1	47.8
SSP2 - CEPAM Double Migration	40.9	40.9	41.6	42.9	43.5	45.1	47.1
SSP3 - Stalled Development	40.9	41.1	41.8	40.3	39.1	38.3	38.5
Proportion with less than 15 years of remaining life expectancy (RLE)							
SSP1 - Rapid Development	8.8%	8.9%	10.0%	10.4%	10.9%	10.6%	12.9%
SSP2 - CEPAM Zero Migration	9.1%	9.6%	11.0%	12.0%	12.0%	12.4%	10.7%
SSP2 - CEPAM Medium	9.1%	9.5%	10.5%	10.7%	10.5%	10.7%	9.5%
SSP2 - CEPAM Double Migration	9.1%	9.4%	10.1%	9.8%	9.4%	9.7%	9.0%
SSP3 - Stalled Development	9.5%	10.2%	11.4%	11.9%	11.1%	11.1%	8.6%



Sweden (Continued)

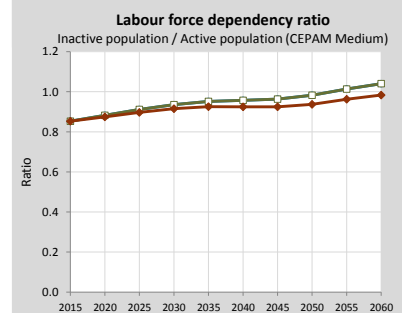
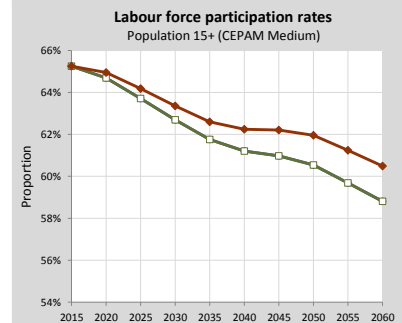
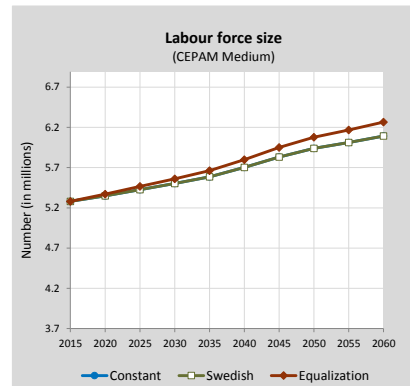
Labour force projections to 2060

Labour force indicators	2015	2020	2030	2040	2050	2060
Labour force size, by participation and migration scenario (in millions)						
Constant (CEPAM Zero Migration)	5.27	5.26	5.21	5.15	5.10	4.97
Constant (CEPAM Medium)	5.27	5.34	5.49	5.69	5.93	6.08
Constant (CEPAM Double Migration)	5.27	5.42	5.77	6.21	6.71	7.11
Swedish (CEPAM Zero Migration)	5.27	5.26	5.21	5.15	5.10	4.97
Swedish (CEPAM Medium)	5.27	5.34	5.49	5.69	5.93	6.08
Swedish (CEPAM Double Migration)	5.27	5.42	5.77	6.21	6.71	7.11
Equalization (CEPAM Zero Migration)	5.27	5.28	5.26	5.24	5.21	5.10
Equalization (CEPAM Medium)	5.27	5.36	5.55	5.79	6.07	6.25
Equalization (CEPAM Double Migration)	5.27	5.44	5.83	6.31	6.87	7.32
Constant (CEPAM Medium-low fertility)	5.27	5.34	5.49	5.61	5.64	5.50
Swedish (CEPAM Medium-low fertility)	5.27	5.34	5.49	5.61	5.64	5.50
Equalization (CEPAM Medium-low fertility)	5.27	5.36	5.55	5.71	5.77	5.67

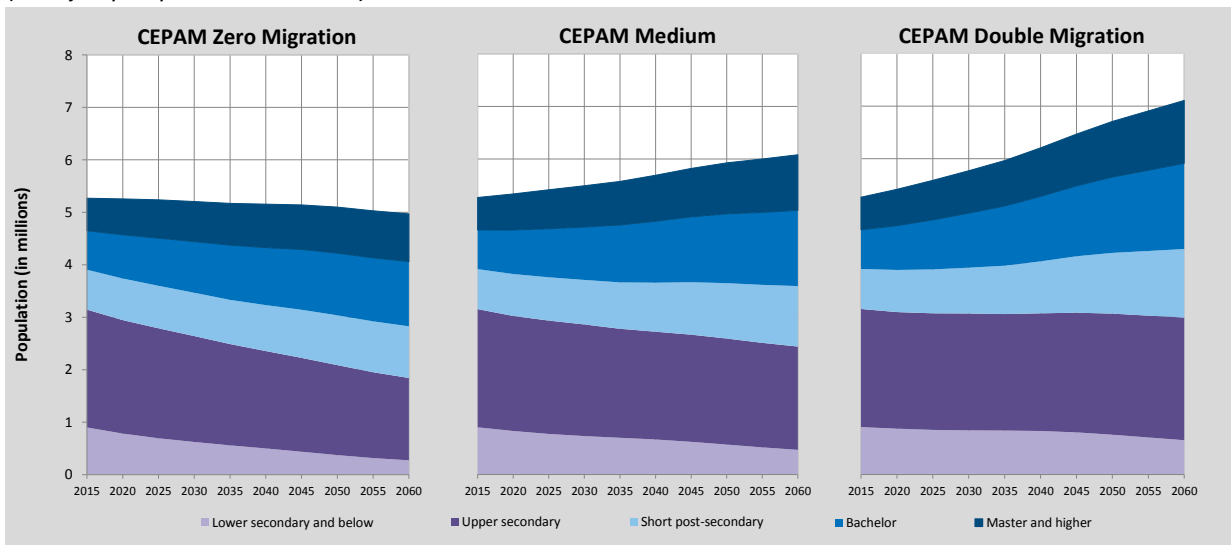
Labour force participation rates, age 15+, by participation scenario (CEPAM Medium)						
TOTAL (Constant)	65.3%	64.7%	62.7%	61.2%	60.5%	58.8%
TOTAL (Swedish)	65.3%	64.7%	62.7%	61.2%	60.5%	58.8%
TOTAL (Equalization)	65.3%	64.9%	63.4%	62.2%	62.0%	60.5%
MALE (Constant)	69.0%	68.2%	65.8%	64.1%	63.4%	61.6%
MALE (Swedish)	69.0%	68.2%	65.8%	64.1%	63.4%	61.6%
MALE (Equalization)	69.0%	68.2%	65.8%	64.1%	63.4%	61.6%
FEMALE (Constant)	61.5%	61.2%	59.6%	58.3%	57.7%	56.0%
FEMALE (Swedish)	61.5%	61.2%	59.6%	58.3%	57.7%	56.0%
FEMALE (Equalization)	61.5%	61.7%	61.0%	60.3%	60.5%	59.3%

Labour force (15+) by highest level of educational attainment. Columns sum to 100%. (CEPAM Medium; Constant participation)

TOTAL E1-E4 - lower secondary and below	17.1%	15.5%	13.3%	11.7%	9.6%	7.7%
TOTAL E5 - upper secondary	42.6%	41.0%	38.6%	36.0%	34.0%	32.3%
TOTAL E6 - short post-secondary	14.5%	14.9%	15.4%	16.4%	17.8%	18.9%
TOTAL E7 - bachelor	14.1%	15.7%	18.3%	20.5%	22.2%	23.7%
TOTAL E8 - master and higher	11.8%	12.9%	14.3%	15.4%	16.4%	17.4%
MALE E1-E4 - lower secondary and below	19.0%	17.5%	15.1%	13.2%	10.8%	8.6%
MALE E5 - upper secondary	45.9%	44.2%	41.8%	39.4%	37.4%	35.9%
MALE E6 - short post-secondary	13.0%	13.3%	13.2%	13.3%	14.1%	15.1%
MALE E7 - bachelor	11.2%	13.3%	17.1%	20.4%	23.0%	24.8%
MALE E8 - master and higher	10.9%	11.7%	12.8%	13.7%	14.6%	15.6%
FEMALE E1-E4 - lower secondary and below	14.9%	13.3%	11.4%	10.0%	8.3%	6.8%
FEMALE E5 - upper secondary	39.0%	37.4%	35.1%	32.3%	30.3%	28.3%
FEMALE E6 - short post-secondary	16.0%	16.8%	17.9%	19.8%	21.8%	23.1%
FEMALE E7 - bachelor	17.3%	18.3%	19.7%	20.6%	21.4%	22.4%
FEMALE E8 - master and higher	12.8%	14.2%	15.9%	17.3%	18.3%	19.4%



Labour force size by educational attainment according to three migration scenarios, 2015-2060 (Labour force participation = Constant scenario)



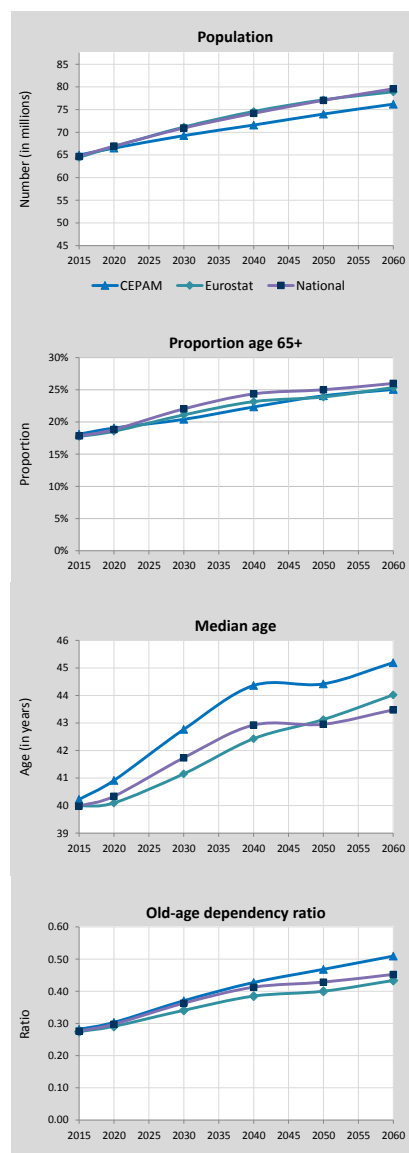
United Kingdom

Detailed Human Capital projections to 2060

Comparison of CEPAM projections with other sources

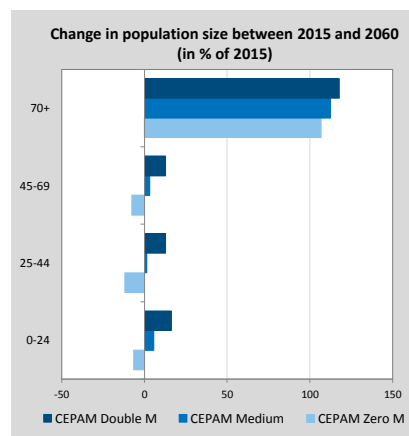
Demographic indicators - CEPAM Medium Scenario (SSP2), Eurostat and national projections		2015	2020	2030	2040	2050	2060
Population (in millions)	CEPAM	65.40	66.92	69.68	72.00	74.44	76.61
	Eurostat	64.88	67.24	71.56	75.00	77.57	79.34
	National	65.10	67.36	71.35	74.59	77.46	80.00
Proportion age 65+	CEPAM	18.1%	19.1%	20.4%	22.3%	24.1%	25.1%
	Eurostat	17.7%	18.6%	21.1%	23.2%	23.9%	25.4%
	National	17.8%	18.8%	22.0%	24.4%	25.0%	26.0%
Proportion below age 20	CEPAM	23.4%	23.4%	23.3%	22.1%	21.6%	21.5%
	Eurostat	23.6%	23.1%	22.8%	22.2%	21.9%	21.6%
	National	23.5%	23.4%	23.2%	22.4%	22.1%	22.1%
Median age	CEPAM	40.2	40.9	42.8	44.4	44.4	45.2
	Eurostat	40.0	40.1	41.2	42.4	43.1	44.0
	National	40.0	40.3	41.7	42.9	43.0	43.5
Old-age dependency ratio (65+/15-64)	CEPAM	0.28	0.30	0.37	0.43	0.47	0.51
	Eurostat	0.27	0.29	0.34	0.39	0.40	0.43
	National	0.28	0.30	0.36	0.41	0.43	0.45
Young-age dependency ratio (0-14/15-64)	CEPAM	0.27	0.29	0.29	0.28	0.29	0.29
	Eurostat	0.27	0.28	0.27	0.28	0.28	0.28
	National	0.27	0.28	0.28	0.28	0.29	0.29
Parent support ratio (85+/50-64)	CEPAM	0.13	0.14	0.18	0.26	0.36	0.47
	Eurostat	0.13	0.13	0.17	0.24	0.28	0.34
	National	0.13	0.13	0.20	0.29	0.36	0.43

Demographic assumptions underlying projections		2010-2015	2015-2020	2025-2030	2035-2040	2045-2050	2055-2060	
Total fertility rate	CEPAM	1.92	1.95	1.94	1.94	1.93	1.90	
	Eurostat	1.80	1.81	1.81	1.82	1.84	1.85	
	National	1.83	1.87	1.88	1.89	1.89	1.89	
Life expectancy at birth (in years)	Male	CEPAM	80.0	81.0	82.0	84.0	86.0	88.0
		Eurostat	79.8	80.6	81.3	82.6	83.9	85.1
		National	80.2	81.4	82.4	83.9	85.2	86.4
Female	CEPAM	83.5	84.5	85.6	87.7	89.7	91.8	
	Eurostat	83.5	84.3	85.0	86.3	87.6	88.8	
	National	83.7	84.6	85.4	86.8	87.9	89.1	
Five-year net migration flow (in thousands)	CEPAM	412.5	460.3	504.3	584.6	647.5	688.1	
	Eurostat	1361.4	1228.8	1151.1	860.7	744.7	628.0	
	National	1080.5	925.1	925.1	925.1	925.1	925.1	



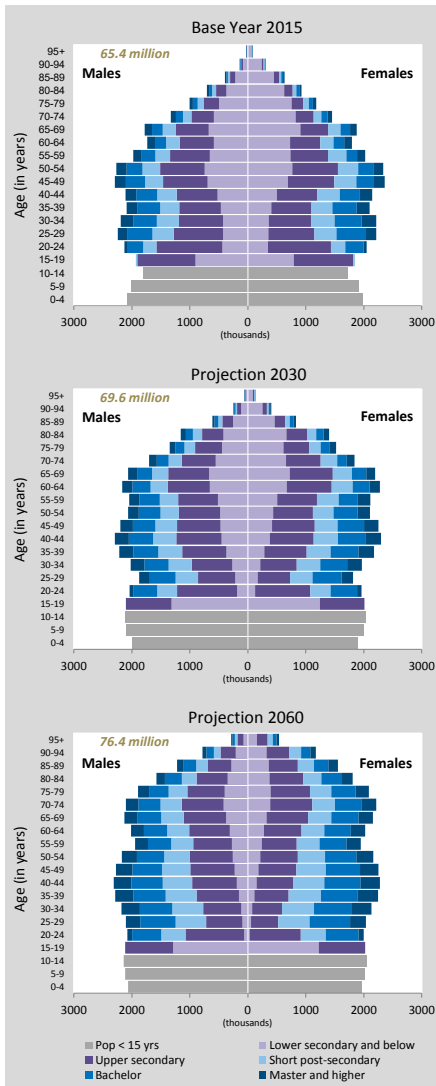
Changes in population size and structure according to CEPAM scenarios (impact of migration)

Population size according to CEPAM projections to 2060		2015	2020	2030	2040	2050	2060
Population (in millions)	Zero M	65.40	66.47	68.00	68.74	69.27	69.24
	Medium	65.40	66.92	69.68	72.00	74.44	76.61
	Double M	65.40	67.37	71.30	75.05	79.10	83.06
Population 0-24 (in millions)	Zero M	19.46	19.32	19.66	18.95	18.38	18.18
	Medium	19.46	19.46	20.24	20.11	20.15	20.57
	Double M	19.46	19.61	20.81	21.20	21.75	22.64
Population 25-44 (in millions)	Zero M	17.31	17.18	15.83	15.16	15.85	15.25
	Medium	17.31	17.43	16.65	16.41	17.57	17.57
	Double M	17.31	17.68	17.43	17.56	19.08	19.53
Population 45-69 (in millions)	Zero M	20.44	20.60	21.23	20.63	19.60	18.88
	Medium	20.44	20.64	21.49	21.42	21.11	21.08
	Double M	20.44	20.69	21.74	22.18	22.51	23.05
Population 70+ (in millions)	Zero M	8.19	9.38	11.28	14.00	15.44	16.93
	Medium	8.19	9.38	11.30	14.06	15.60	17.40
	Double M	8.19	9.39	11.32	14.12	15.76	17.83



United Kingdom (Continued)

Pyramids by education, CEPAM Medium

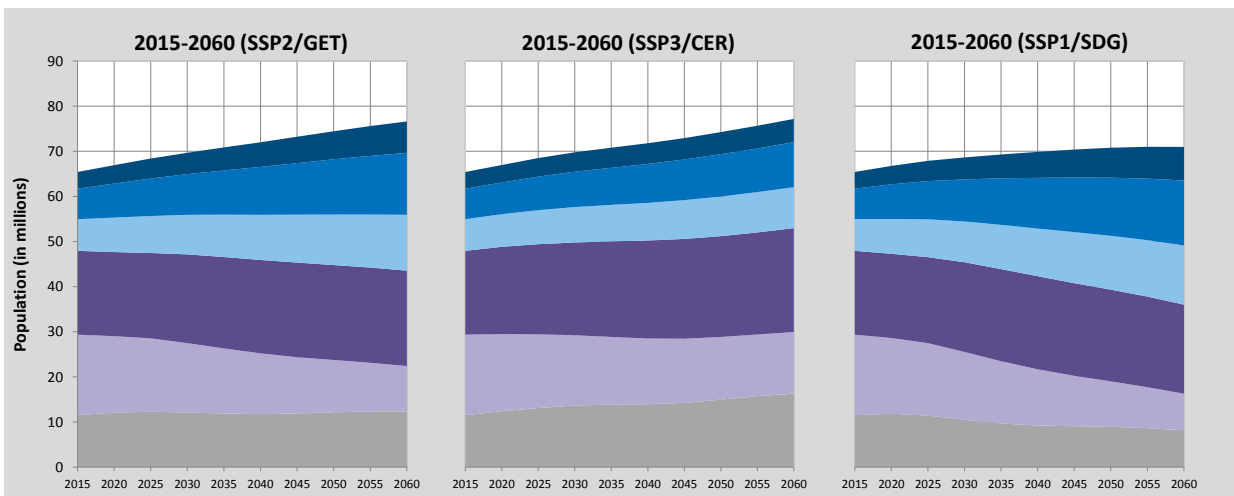


Detailed Human Capital projections to 2060

Human Capital indicators, CEPAM Medium (SSP2)

	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1-E4 - lower secondary and below	33.5%	30.5%	25.3%	20.6%	16.6%	13.3%
E5 - upper secondary	31.2%	31.8%	32.6%	32.8%	32.4%	31.4%
E6 - short post-secondary	14.1%	14.9%	16.4%	17.8%	19.2%	20.6%
E7 - bachelor	13.4%	14.5%	16.5%	18.6%	20.7%	22.6%
E8 - master and higher	7.8%	8.3%	9.3%	10.2%	11.2%	12.1%
Mean years of schooling (in years)	12.79	12.96	13.26	13.56	13.84	14.10
Age gap: highest educational attainment (ratio 35-44/50-64)						
E1-E4 - lower secondary and below	0.65	0.62	0.65	0.63	0.55	0.52
E5 - upper secondary	1.01	1.00	1.01	0.99	0.94	0.91
E6 - short post-secondary	1.20	1.17	1.15	1.17	1.19	1.17
E7 - bachelor	1.64	1.61	1.25	1.16	1.19	1.17
E8 - master and higher	1.30	1.33	1.24	1.19	1.19	1.17
Mean years of schooling (35-44 minus 50-64)	0.97	0.92	0.69	0.70	0.78	0.72
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1-E4 - lower secondary and below	0.88	0.90	0.95	1.00	1.05	1.08
E5 - upper secondary	1.12	1.10	1.07	1.07	1.08	1.11
E6 - short post-secondary	0.98	0.97	0.96	0.96	0.96	0.96
E7 - bachelor	1.06	1.03	0.99	0.95	0.93	0.90
E8 - master and higher	1.02	1.00	0.97	0.95	0.93	0.91
Mean years of schooling (male minus female)	0.19	0.13	0.03	-0.05	-0.12	-0.16
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1-E4 - lower secondary and below	17%	15%	10%	7%	5%	3%
E5 - upper secondary	38%	37%	36%	34%	32%	29%
E6 - short post-secondary	16%	18%	20%	22%	23%	25%
E7 - bachelor	20%	21%	24%	26%	28%	30%
E8 - master and higher	8%	9%	10%	11%	12%	13%
Mean years of schooling (in years)	13.69	13.82	14.17	14.45	14.71	14.91
Age gap among women: highest educational attainment (ratio 35-44/50-64)						
E1-E4 - lower secondary and below	0.59	0.57	0.60	0.61	0.53	0.49
E5 - upper secondary	1.02	0.98	1.00	0.97	0.90	0.87
E6 - short post-secondary	1.22	1.13	1.10	1.17	1.20	1.18
E7 - bachelor	1.75	1.83	1.36	1.17	1.20	1.18
E8 - master and higher	1.46	1.47	1.25	1.18	1.20	1.18
Mean years of schooling (35-44 minus 50-64)	1.40	1.28	1.04	0.90	1.02	0.98

Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG



Colour legend as in pyramids above

Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

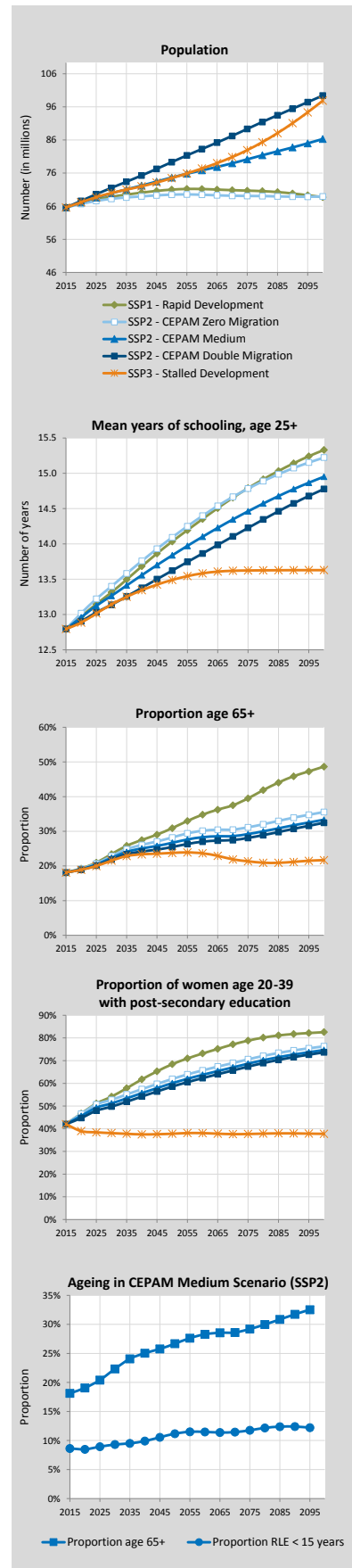
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

United Kingdom (Continued)

Alternative scenarios to 2100

Projection results by scenario (SSP1-SSP3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	65.40	66.75	68.63	70.79	70.96	70.49	68.52
SSP2 - CEPAM Zero Migration	65.40	66.47	68.00	69.27	69.24	68.88	68.70
SSP2 - CEPAM Medium	65.40	66.92	69.68	74.44	76.61	79.94	86.08
SSP2 - CEPAM Double Migration	65.40	67.37	71.30	79.10	83.06	89.12	99.20
SSP3 - Stalled Development	65.40	66.96	69.76	74.25	77.17	82.73	97.65
Proportion age 65+							
SSP1 - Rapid Development	18.1%	19.3%	23.4%	30.9%	34.8%	39.5%	48.7%
SSP2 - CEPAM Zero Migration	18.1%	19.2%	22.8%	28.2%	30.2%	31.2%	35.6%
SSP2 - CEPAM Medium	18.1%	19.1%	22.3%	26.7%	28.3%	29.2%	33.3%
SSP2 - CEPAM Double Migration	18.1%	18.9%	21.9%	25.5%	27.0%	28.1%	32.5%
SSP3 - Stalled Development	18.1%	18.9%	21.5%	23.8%	23.7%	21.3%	21.7%
Proportion below age 20							
SSP1 - Rapid Development	23.4%	23.0%	21.3%	17.0%	15.9%	13.8%	11.7%
SSP2 - CEPAM Zero Migration	23.4%	23.4%	23.2%	21.2%	21.0%	19.8%	18.4%
SSP2 - CEPAM Medium	23.4%	23.4%	23.3%	21.6%	21.5%	20.5%	19.1%
SSP2 - CEPAM Double Migration	23.4%	23.4%	23.5%	22.0%	21.9%	20.9%	19.4%
SSP3 - Stalled Development	23.4%	23.8%	25.4%	26.3%	27.6%	27.8%	27.9%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	42.0%	46.7%	54.1%	68.4%	73.1%	78.8%	82.5%
SSP2 - CEPAM Zero Migration	42.0%	46.6%	52.7%	61.9%	65.7%	70.6%	76.3%
SSP2 - CEPAM Medium	42.0%	45.6%	51.2%	60.0%	63.7%	68.7%	74.7%
SSP2 - CEPAM Double Migration	42.0%	44.7%	49.7%	58.6%	62.3%	67.4%	73.7%
SSP3 - Stalled Development	42.0%	38.9%	38.1%	37.8%	38.1%	37.7%	37.7%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	12.8	13.0	13.3	14.0	14.4	14.8	15.3
SSP2 - CEPAM Zero Migration	12.8	13.0	13.4	14.1	14.4	14.8	15.2
SSP2 - CEPAM Medium	12.8	13.0	13.3	13.8	14.1	14.5	15.0
SSP2 - CEPAM Double Migration	12.8	12.9	13.1	13.6	13.9	14.2	14.8
SSP3 - Stalled Development	12.8	12.9	13.1	13.5	13.6	13.6	13.6
Demographic assumptions underlying SSPs							
	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.79	1.68	1.52	1.43	1.42	1.41	1.39
SSP2 - CEPAM Zero Migration	1.92	1.95	1.95	1.92	1.89	1.88	1.85
SSP2 - CEPAM Medium	1.92	1.95	1.94	1.91	1.89	1.88	1.85
SSP2 - CEPAM Double Migration	1.92	1.95	1.94	1.91	1.89	1.88	1.85
SSP3 - Stalled Development	2.06	2.26	2.44	2.50	2.48	2.48	2.50
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	84.0	85.5	88.6	94.8	97.9	102.5	108.7
SSP2 - CEPAM Zero Migration	83.5	84.5	86.6	90.9	93.0	96.1	100.3
SSP2 - CEPAM Medium	83.5	84.5	86.6	90.8	92.9	96.0	100.2
SSP2 - CEPAM Double Migration	83.5	84.5	86.6	90.7	92.8	95.9	100.1
SSP3 - Stalled Development	83.0	83.5	84.6	86.8	87.9	89.4	91.5
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	412.5	455.8	520.6	603.5	612.9	589.4	502.3
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	412.5	460.3	546.0	670.7	699.4	697.9	627.1
SSP2 - CEPAM Double Migration	825.0	905.1	1038.1	1197.9	1207.2	1136.8	922.6
SSP3 - Stalled Development	275.2	156.7	0.5	0.7	0.8	0.9	1.1
Ageing indicators by scenario							
	2015	2020	2030	2050	2060	2075	2095
Median age							
SSP1 - Rapid Development	40.2	41.1	44.0	49.4	51.8	56.7	62.4
SSP2 - CEPAM Zero Migration	40.2	41.1	43.3	45.6	46.5	48.4	50.6
SSP2 - CEPAM Medium	40.2	40.9	42.8	44.4	45.2	46.8	48.8
SSP2 - CEPAM Double Migration	40.2	40.7	42.3	43.6	44.4	45.9	48.1
SSP3 - Stalled Development	40.2	40.7	41.8	39.9	38.7	37.9	37.9
Proportion with less than 15 years of remaining life expectancy (RLE)							
SSP1 - Rapid Development	8.6%	8.5%	9.3%	11.2%	11.5%	11.8%	12.2%
SSP2 - CEPAM Zero Migration	8.9%	9.1%	10.1%	12.2%	12.0%	12.4%	11.1%
SSP2 - CEPAM Medium	8.9%	9.0%	9.9%	11.5%	11.1%	11.2%	10.1%
SSP2 - CEPAM Double Migration	8.9%	9.0%	9.7%	10.8%	10.3%	10.5%	9.7%
SSP3 - Stalled Development	9.2%	9.6%	10.6%	12.0%	11.3%	10.5%	8.6%



United Kingdom (Continued)

Labour force projections to 2060

Labour force indicators

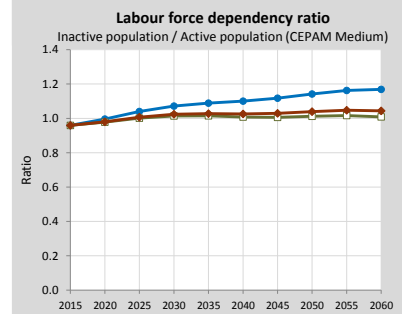
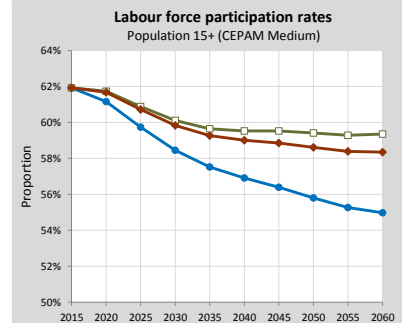
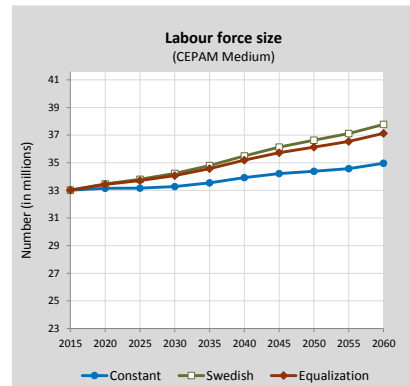
	2015	2020	2030	2040	2050	2060
Labour force size, by participation and migration scenario (in millions)						
Constant (CEPAM Zero Migration)	33.38	33.28	32.75	32.53	31.91	31.38
Constant (CEPAM Medium)	33.38	33.52	33.64	34.29	34.75	35.33
Constant (CEPAM Double Migration)	33.38	33.75	34.49	35.92	37.29	38.73
Swedish (CEPAM Zero Migration)	33.38	33.60	33.68	34.02	33.99	33.88
Swedish (CEPAM Medium)	33.38	33.83	34.59	35.86	37.00	38.14
Swedish (CEPAM Double Migration)	33.38	34.07	35.47	37.57	39.70	41.82
Equalization (CEPAM Zero Migration)	33.38	33.56	33.51	33.69	33.47	33.22
Equalization (CEPAM Medium)	33.38	33.80	34.43	35.55	36.50	37.49
Equalization (CEPAM Double Migration)	33.38	34.04	35.33	37.28	39.22	41.18
Constant (CEPAM Medium-low fertility)	33.38	33.52	33.63	33.81	32.95	31.77
Swedish (CEPAM Medium-low fertility)	33.38	33.83	34.58	35.34	35.10	34.35
Equalization (CEPAM Medium-low fertility)	33.38	33.80	34.42	35.07	34.65	33.77

Labour force participation rates, age 15+, by participation scenario (CEPAM Medium)

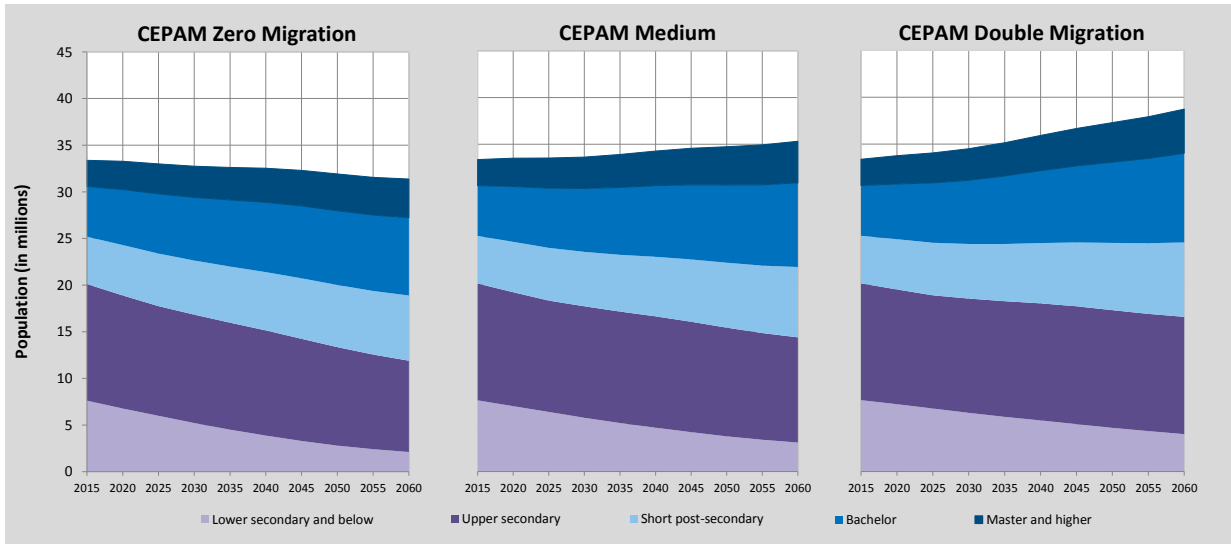
TOTAL (Constant)	61.9%	61.2%	58.4%	56.9%	55.8%	55.0%
TOTAL (Swedish)	61.9%	61.7%	60.1%	59.5%	59.4%	59.3%
TOTAL (Equalization)	61.9%	61.7%	59.8%	59.0%	58.6%	58.3%
MALE (Constant)	67.9%	66.8%	63.7%	61.9%	60.8%	59.8%
MALE (Swedish)	67.9%	67.2%	64.8%	63.8%	63.4%	62.9%
MALE (Equalization)	67.9%	66.8%	63.7%	61.9%	60.8%	59.8%
FEMALE (Constant)	56.2%	55.7%	53.4%	52.1%	51.0%	50.3%
FEMALE (Swedish)	56.2%	56.5%	55.6%	55.4%	55.6%	56.0%
FEMALE (Equalization)	56.2%	56.7%	56.2%	56.2%	56.5%	57.0%

Labour force (15+) by highest level of educational attainment. Columns sum to 100%. (CEPAM Medium; Constant participation)

TOTAL E1-E4 - lower secondary and below	22.8%	20.8%	17.1%	13.7%	10.8%	8.8%
TOTAL E5 - upper secondary	37.4%	36.4%	35.5%	34.7%	33.4%	31.9%
TOTAL E6 - short post-secondary	15.2%	16.1%	17.3%	18.6%	20.0%	21.3%
TOTAL E7 - bachelor	16.1%	17.7%	20.2%	22.2%	23.9%	25.5%
TOTAL E8 - master and higher	8.4%	9.0%	10.0%	10.8%	11.8%	12.6%
MALE E1-E4 - lower secondary and below	24.6%	22.7%	19.0%	15.4%	12.3%	10.0%
MALE E5 - upper secondary	37.7%	36.8%	36.2%	36.0%	35.2%	34.2%
MALE E6 - short post-secondary	14.5%	15.4%	16.8%	18.2%	19.7%	21.0%
MALE E7 - bachelor	15.4%	16.7%	18.7%	20.3%	21.8%	23.2%
MALE E8 - master and higher	7.9%	8.5%	9.3%	10.1%	10.9%	11.7%
FEMALE E1-E4 - lower secondary and below	20.9%	18.7%	14.9%	11.7%	9.2%	7.4%
FEMALE E5 - upper secondary	37.1%	35.9%	34.6%	33.3%	31.4%	29.2%
FEMALE E6 - short post-secondary	16.1%	16.9%	17.9%	18.9%	20.3%	21.6%
FEMALE E7 - bachelor	17.0%	18.8%	21.8%	24.3%	26.4%	28.1%
FEMALE E8 - master and higher	9.0%	9.7%	10.8%	11.7%	12.8%	13.6%



Labour force size by educational attainment according to three migration scenarios, 2015-2060 (Labour force participation = Constant scenario)



APPENDIX 2:

Tables with chosen results of projections for all of the other countries in the world

Afghanistan

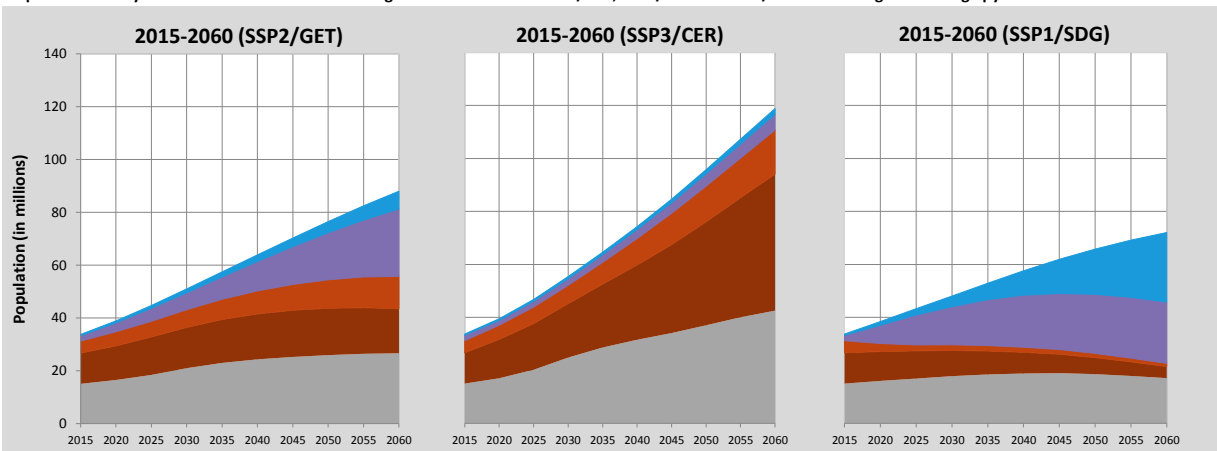
Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	33.74	38.87	50.98	63.88	76.48	88.00
Proportion age 65+	2.5%	2.6%	2.9%	3.4%	4.3%	5.4%
Proportion below age 20	56.2%	54.3%	51.0%	48.9%	44.3%	39.9%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	5.07	4.84	4.23	3.59	2.99	2.73
Life expectancy at birth (in years)						
Male	62.9	63.6	64.8	66.1	67.4	68.0
Female	65.6	66.3	67.6	69.0	70.3	71.7
Five-year net-migration flow (in thousands)	-293.0	-370.2	-565.0	-779.7	-993.1	-1096.0

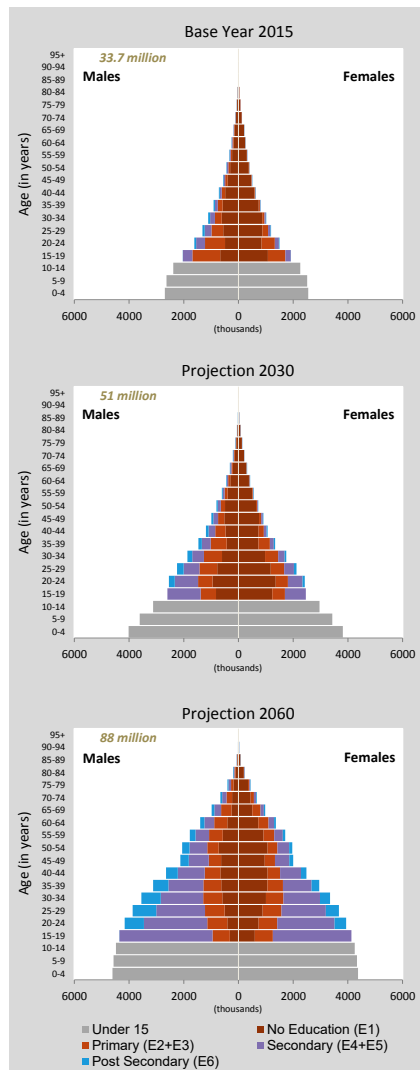
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	73.6%	65.6%	55.4%	49.3%	41.4%	33.0%
E2 - incomplete primary	0.0%	0.1%	0.9%	1.9%	2.5%	2.6%
E3 - primary	14.3%	19.1%	22.6%	20.8%	19.8%	18.6%
E4 - lower secondary	0.3%	1.1%	3.0%	5.0%	7.0%	8.8%
E5 - upper secondary	8.2%	9.6%	12.2%	15.4%	19.6%	24.3%
E6 - post-secondary	3.5%	4.4%	5.9%	7.5%	9.7%	12.5%
Mean years of schooling (in years)	2.5	3.3	4.2	5.0	6.0	7.1
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.69	0.66	0.63	0.62	0.60	0.57
E2 - incomplete primary	0.93	1.34	1.21	1.21	1.18	1.07
E3 - primary	2.75	1.97	1.58	1.41	1.29	1.17
E4 - lower secondary	1.85	1.71	1.47	1.38	1.34	1.25
E5 - upper secondary	3.95	3.05	2.17	1.74	1.41	1.24
E6 - post-secondary	3.36	2.84	2.53	2.33	2.14	1.94
Mean years of schooling (male minus female)	1.4	1.4	1.4	1.3	1.3	1.2
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	58.8%	50.3%	44.4%	40.7%	30.2%	20.4%
E2 - incomplete primary	0.0%	0.5%	2.1%	3.2%	3.2%	2.7%
E3 - primary	25.3%	28.3%	24.9%	18.1%	16.7%	16.0%
E4 - lower secondary	1.0%	2.6%	5.6%	7.9%	10.1%	11.6%
E5 - upper secondary	11.2%	13.3%	16.3%	21.3%	28.0%	33.9%
E6 - post-secondary	3.7%	4.9%	6.7%	8.8%	11.8%	15.4%
Mean years of schooling (in years)	2.3	3.1	4.0	4.8	6.3	7.9

Education scenarios
 SSP2/GET: Global Education Trend Scenario (Medium assumption)
 SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)
 SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

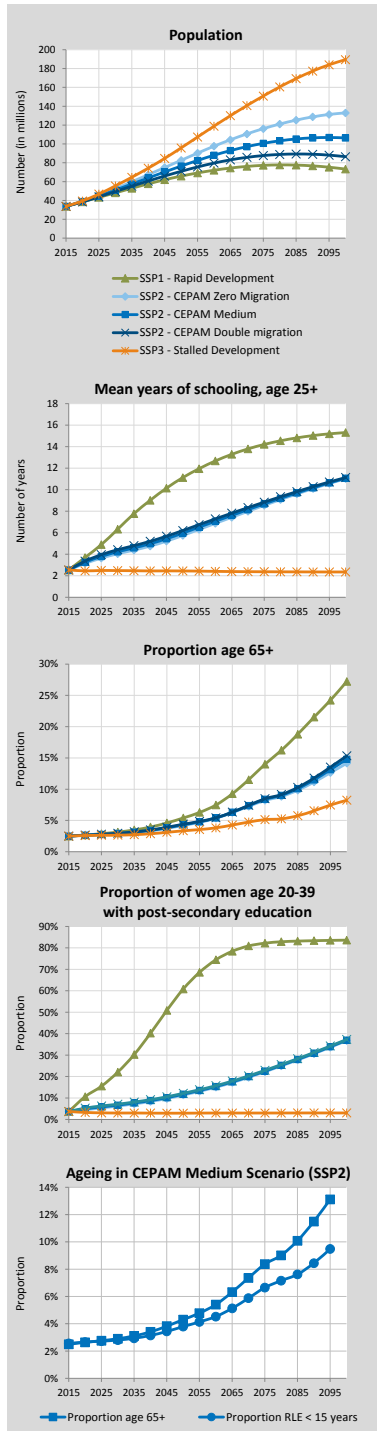
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



Afghanistan (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)	2015 2020 2030 2050 2060 2075 2100						
	Population (in millions)						
SSP1 - Rapid Development	33.74	38.45	48.07	65.81	72.06	77.27	73.35
SSP2 - CEPAM Zero Migration	33.74	39.21	52.53	82.63	97.56	116.21	132.99
SSP2 - CEPAM Medium	33.74	38.87	50.98	76.48	88.00	100.58	106.42
SSP2 - CEPAM Double Migration	33.74	38.52	49.47	70.93	79.65	87.66	86.47
SSP3 - Stalled Development	33.74	39.50	55.45	95.78	118.83	150.87	189.50
Proportion age 65+							
SSP1 - Rapid Development	2.5%	2.7%	3.1%	5.4%	7.5%	14.0%	27.2%
SSP2 - CEPAM Zero Migration	2.5%	2.6%	2.9%	4.2%	5.4%	8.2%	14.1%
SSP2 - CEPAM Medium	2.5%	2.6%	2.9%	4.3%	5.4%	8.4%	14.8%
SSP2 - CEPAM Double Migration	2.5%	2.6%	2.9%	4.4%	5.4%	8.5%	15.3%
SSP3 - Stalled Development	2.5%	2.6%	2.6%	3.3%	3.8%	5.1%	8.2%
Proportion below age 20							
SSP1 - Rapid Development	56.2%	53.7%	47.7%	37.8%	32.3%	25.4%	16.9%
SSP2 - CEPAM Zero Migration	56.2%	54.0%	50.7%	43.8%	39.4%	33.0%	25.1%
SSP2 - CEPAM Medium	56.2%	54.3%	51.0%	44.3%	39.9%	33.4%	25.2%
SSP2 - CEPAM Double Migration	56.2%	54.5%	51.4%	44.8%	40.4%	33.8%	25.2%
SSP3 - Stalled Development	56.2%	54.8%	54.0%	49.5%	46.0%	39.9%	32.4%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	3.7%	10.6%	22.1%	60.8%	74.5%	82.2%	83.6%
SSP2 - CEPAM Zero Migration	3.7%	4.5%	6.2%	11.4%	15.0%	22.2%	36.8%
SSP2 - CEPAM Medium	3.7%	4.9%	6.7%	11.8%	15.4%	22.5%	37.0%
SSP2 - CEPAM Double Migration	3.7%	5.3%	7.1%	12.2%	15.8%	22.9%	37.3%
SSP3 - Stalled Development	3.7%	3.3%	3.0%	2.9%	3.0%	3.0%	3.0%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	2.5	3.7	6.3	11.1	12.7	14.2	15.3
SSP2 - CEPAM Zero Migration	2.5	3.1	4.0	5.7	6.9	8.5	11.0
SSP2 - CEPAM Medium	2.5	3.3	4.2	6.0	7.1	8.7	11.1
SSP2 - CEPAM Double Migration	2.5	3.4	4.4	6.2	7.3	8.8	11.1
SSP3 - Stalled Development	2.5	2.5	2.5	2.4	2.4	2.4	2.4

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	4.72	4.15	3.27	2.23	1.90	1.57	1.31
SSP2 - CEPAM Zero Migration	5.07	4.83	4.22	2.99	2.51	2.07	1.75
SSP2 - CEPAM Medium	5.07	4.84	4.23	2.99	2.51	2.07	1.75
SSP2 - CEPAM Double Migration	5.07	4.84	4.23	2.99	2.52	2.07	1.75
SSP3 - Stalled Development	5.51	5.69	5.32	3.86	3.25	2.69	2.34
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	66.3	68.0	70.9	75.8	78.2	82.0	86.8
SSP2 - CEPAM Zero Migration	65.6	66.3	67.6	70.2	71.6	73.6	76.3
SSP2 - CEPAM Medium	65.6	66.3	67.6	70.3	71.7	73.7	76.4
SSP2 - CEPAM Double Migration	65.6	66.3	67.7	70.4	71.8	73.8	76.4
SSP3 - Stalled Development	65.0	65.0	65.0	64.7	64.3	63.7	63.0
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-293.0	-364.8	-522.5	-826.7	-939.3	-1037.2	-1011.5
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-293.0	-370.2	-565.0	-993.1	-1191.3	-1406.4	-1507.3
SSP2 - CEPAM Double Migration	-585.9	-729.2	-1078.8	-1789.2	-2083.7	-2345.7	-2334.3
SSP3 - Stalled Development	-195.4	-126.6	-0.7	-1.3	-1.7	-2.2	-2.7

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	17.3	18.2	19.5	22.9	25.5	30.0	36.4
Proportion age 65+	2.5%	2.6%	2.9%	4.3%	5.4%	8.4%	13.1%
Proportion RLE < 15 years	2.5%	2.6%	2.7%	3.6%	4.3%	6.4%	9.2%

Albania

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	2.92	2.87	2.70	2.47	2.17	1.87
Proportion age 65+	12.5%	14.8%	21.8%	27.1%	32.5%	37.6%
Proportion below age 20	26.6%	23.2%	21.0%	18.6%	16.0%	14.5%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	1.66	1.61	1.55	1.51	1.50	1.51
Life expectancy at birth (in years)						
Male	76.6	77.5	79.5	81.5	83.5	84.5
Female	80.6	81.7	83.9	86.0	88.2	90.3
Five-year net-migration flow (in thousands)	-99.4	-96.4	-88.6	-78.0	-65.8	-60.0

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	3.1%	2.4%	1.6%	1.4%	1.2%	0.9%
E2 - incomplete primary	0.4%	0.4%	0.3%	0.2%	0.2%	0.2%
E3 - primary	7.6%	5.8%	2.9%	1.6%	1.0%	0.8%
E4 - lower secondary	42.4%	42.4%	40.8%	38.3%	34.5%	29.9%
E5 - upper secondary	32.2%	33.4%	36.0%	37.4%	38.2%	39.0%
E6 - post-secondary	14.3%	15.6%	18.4%	21.2%	24.9%	29.2%
Mean years of schooling (in years)	9.9	10.2	10.8	11.1	11.5	11.9
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.70	0.83	1.14	1.28	1.27	1.19
E2 - incomplete primary	0.78	0.84	0.94	1.07	1.12	1.12
E3 - primary	0.67	0.61	0.59	0.76	1.01	1.09
E4 - lower secondary	0.91	0.91	0.93	0.95	0.97	1.01
E5 - upper secondary	1.31	1.30	1.25	1.25	1.28	1.34
E6 - post-secondary	0.96	0.91	0.81	0.75	0.70	0.66
Mean years of schooling (male minus female)	0.2	0.2	0.0	-0.1	-0.2	-0.2
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	2.2%	1.6%	0.6%	0.2%	0.1%	0.1%
E2 - incomplete primary	0.4%	0.3%	0.1%	0.1%	0.1%	0.1%
E3 - primary	1.9%	1.1%	0.2%	0.1%	0.2%	0.2%
E4 - lower secondary	42.4%	37.6%	29.6%	20.5%	13.2%	8.2%
E5 - upper secondary	32.4%	36.7%	43.5%	48.1%	49.8%	49.2%
E6 - post-secondary	20.7%	22.7%	26.0%	30.9%	36.6%	42.3%
Mean years of schooling (in years)	10.9	11.5	12.4	13.0	13.6	14.0

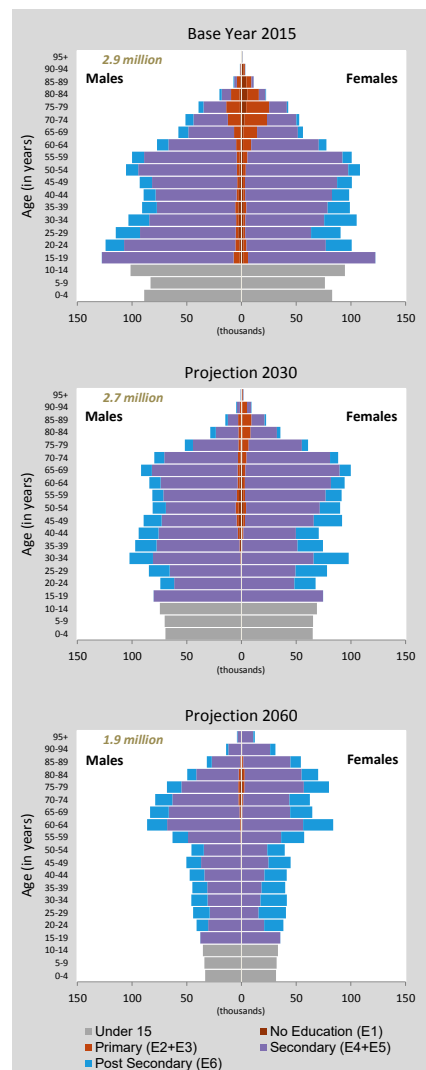
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

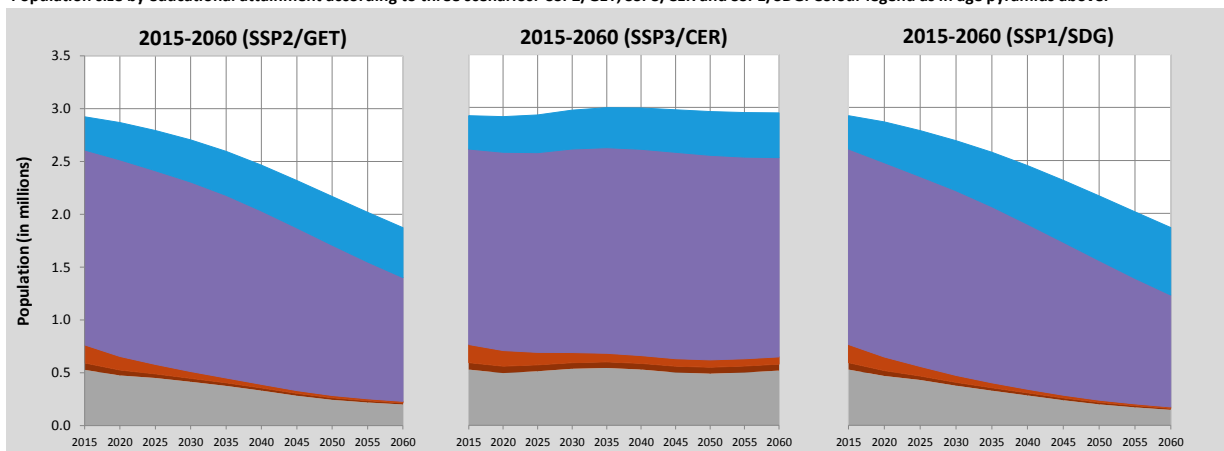
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

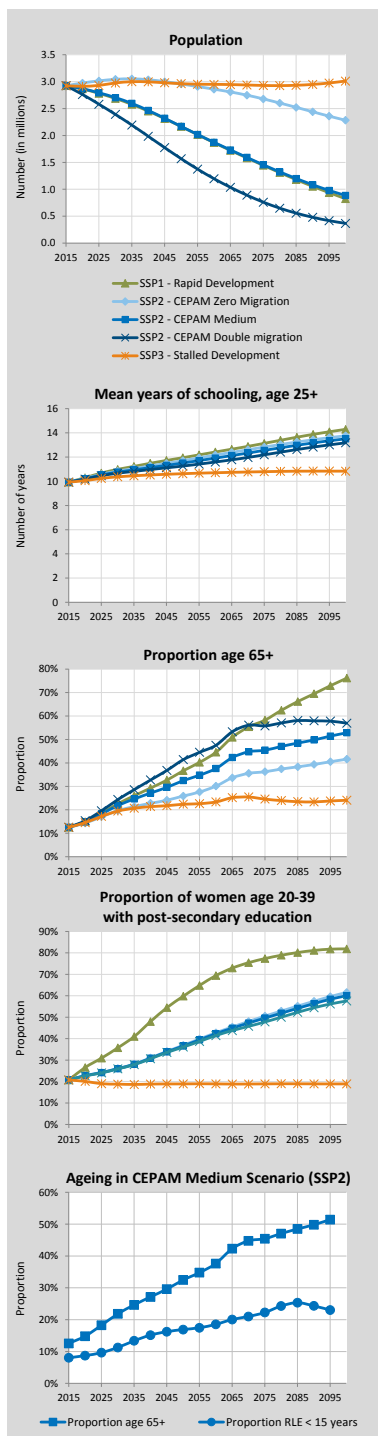
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Albania (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)

	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	2.92	2.86	2.69	2.17	1.87	1.45	0.83
SSP2 - CEPAM Zero Migration	2.92	2.97	3.04	2.96	2.86	2.68	2.28
SSP2 - CEPAM Medium	2.92	2.87	2.70	2.17	1.87	1.46	0.89
SSP2 - CEPAM Double Migration	2.92	2.76	2.39	1.57	1.20	0.76	0.37
SSP3 - Stalled Development	2.92	2.91	2.98	2.96	2.95	2.93	3.01
Proportion age 65+							
SSP1 - Rapid Development	12.5%	14.9%	22.6%	36.7%	44.5%	58.3%	76.2%
SSP2 - CEPAM Zero Migration	12.5%	14.3%	19.6%	25.9%	30.1%	36.2%	41.6%
SSP2 - CEPAM Medium	12.5%	14.8%	21.8%	32.5%	37.6%	45.4%	52.9%
SSP2 - CEPAM Double Migration	12.5%	15.3%	24.4%	41.4%	47.5%	55.8%	57.0%
SSP3 - Stalled Development	12.5%	14.5%	19.5%	22.4%	23.4%	24.6%	24.1%
Proportion below age 20							
SSP1 - Rapid Development	26.6%	23.0%	19.7%	13.2%	11.0%	8.5%	5.1%
SSP2 - CEPAM Zero Migration	26.6%	23.2%	21.6%	17.7%	16.5%	15.6%	14.7%
SSP2 - CEPAM Medium	26.6%	23.2%	21.0%	16.0%	14.5%	13.2%	12.0%
SSP2 - CEPAM Double Migration	26.6%	23.3%	20.3%	13.9%	12.0%	10.5%	11.2%
SSP3 - Stalled Development	26.6%	23.6%	23.5%	22.5%	22.9%	23.8%	25.4%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	20.7%	26.6%	35.7%	59.8%	69.4%	77.4%	81.9%
SSP2 - CEPAM Zero Migration	20.7%	22.8%	26.1%	36.9%	42.8%	50.5%	61.6%
SSP2 - CEPAM Medium	20.7%	22.7%	26.0%	36.6%	42.3%	49.6%	60.1%
SSP2 - CEPAM Double Migration	20.7%	22.7%	25.9%	36.1%	41.5%	47.8%	57.6%
SSP3 - Stalled Development	20.7%	20.1%	18.8%	18.9%	18.9%	18.9%	18.9%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	9.9	10.3	11.0	11.9	12.4	13.1	14.3
SSP2 - CEPAM Zero Migration	9.9	10.2	10.8	11.7	12.2	12.8	13.8
SSP2 - CEPAM Medium	9.9	10.2	10.8	11.5	11.9	12.6	13.5
SSP2 - CEPAM Double Migration	9.9	10.2	10.7	11.3	11.6	12.2	13.2
SSP3 - Stalled Development	9.9	10.1	10.4	10.6	10.7	10.8	10.8

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.59	1.45	1.32	1.28	1.30	1.33	1.38
SSP2 - CEPAM Zero Migration	1.66	1.61	1.54	1.50	1.52	1.54	1.58
SSP2 - CEPAM Medium	1.66	1.61	1.55	1.50	1.52	1.54	1.58
SSP2 - CEPAM Double Migration	1.66	1.61	1.55	1.50	1.52	1.54	1.59
SSP3 - Stalled Development	1.80	1.88	1.97	2.06	2.11	2.20	2.30
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	81.1	82.7	85.9	92.1	95.3	100.0	106.3
SSP2 - CEPAM Zero Migration	80.6	81.7	83.9	88.2	90.3	93.5	97.8
SSP2 - CEPAM Medium	80.6	81.7	83.9	88.2	90.3	93.5	97.8
SSP2 - CEPAM Double Migration	80.6	81.7	83.9	88.1	90.3	93.4	97.6
SSP3 - Stalled Development	80.1	80.6	81.7	83.9	85.0	86.6	88.7
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-99.5	-96.6	-88.8	-67.3	-56.0	-40.4	-22.4
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-99.4	-96.4	-88.6	-65.8	-54.5	-38.6	-21.7
SSP2 - CEPAM Double Migration	-198.9	-184.7	-153.4	-86.4	-58.5	-26.7	-3.9
SSP3 - Stalled Development	-66.2	-32.7	-0.1	-0.1	-0.1	-0.1	-0.1

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	36.2	38.6	43.2	52.8	57.4	61.4	66.0
Proportion age 65+	12.5%	14.8%	21.8%	32.5%	37.6%	45.4%	51.4%
Proportion RLE < 15 years	7.4%	8.2%	10.4%	17.9%	19.6%	20.3%	23.4%

Algeria

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	39.87	43.11	47.76	51.15	54.06	55.30
Proportion age 65+	5.9%	6.9%	9.5%	12.9%	18.0%	22.6%
Proportion below age 20	36.2%	36.3%	33.5%	26.6%	24.5%	23.0%
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	2.61	2.32	2.03	1.85	1.74	1.70
Life expectancy at birth (in years)						
Male	75.2	76.0	77.8	79.5	81.3	82.2
Female	77.7	78.6	80.5	82.5	84.4	86.3
Five-year net-migration flow (in thousands)	-199.5	-215.8	-238.3	-253.5	-266.4	-269.6

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	20.3%	16.5%	10.8%	6.3%	3.5%	1.9%
E2 - incomplete primary	4.4%	3.7%	2.8%	1.9%	1.2%	0.8%
E3 - primary	10.6%	9.7%	8.0%	5.8%	4.0%	2.7%
E4 - lower secondary	24.7%	24.5%	23.6%	20.4%	16.9%	13.5%
E5 - upper secondary	28.3%	32.1%	38.1%	43.2%	46.0%	47.0%
E6 - post-secondary	11.8%	13.5%	16.9%	22.4%	28.3%	34.2%
Mean years of schooling (in years)	8.7	9.3	10.3	11.3	12.1	12.7
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.44	0.40	0.35	0.30	0.26	0.23
E2 - incomplete primary	0.87	0.88	0.79	0.68	0.57	0.47
E3 - primary	1.17	1.13	1.05	0.97	0.89	0.82
E4 - lower secondary	1.59	1.56	1.52	1.51	1.51	1.50
E5 - upper secondary	1.19	1.16	1.13	1.15	1.18	1.22
E6 - post-secondary	0.90	0.85	0.80	0.75	0.73	0.72
Mean years of schooling (male minus female)	0.8	0.7	0.5	0.2	0.0	-0.1
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	5.9%	4.0%	0.5%	0.1%	0.0%	0.0%
E2 - incomplete primary	3.0%	1.9%	0.4%	0.1%	0.0%	0.0%
E3 - primary	6.8%	5.5%	2.5%	0.9%	0.4%	0.1%
E4 - lower secondary	26.1%	22.9%	16.4%	9.5%	5.6%	2.6%
E5 - upper secondary	41.3%	46.3%	55.5%	56.0%	52.3%	47.4%
E6 - post-secondary	16.9%	19.3%	24.7%	33.4%	41.7%	49.9%
Mean years of schooling (in years)	10.5	11.2	12.6	13.4	13.9	14.4

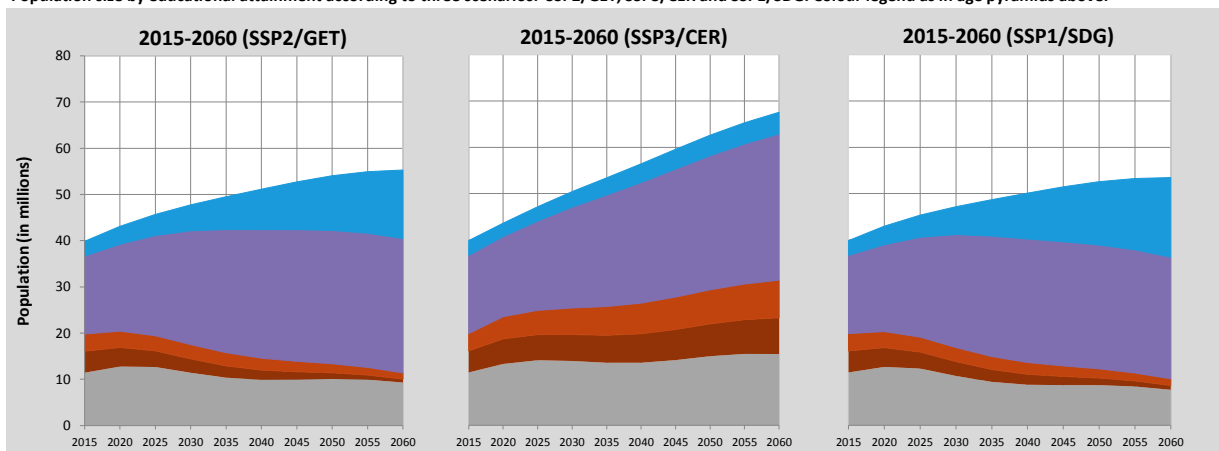
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

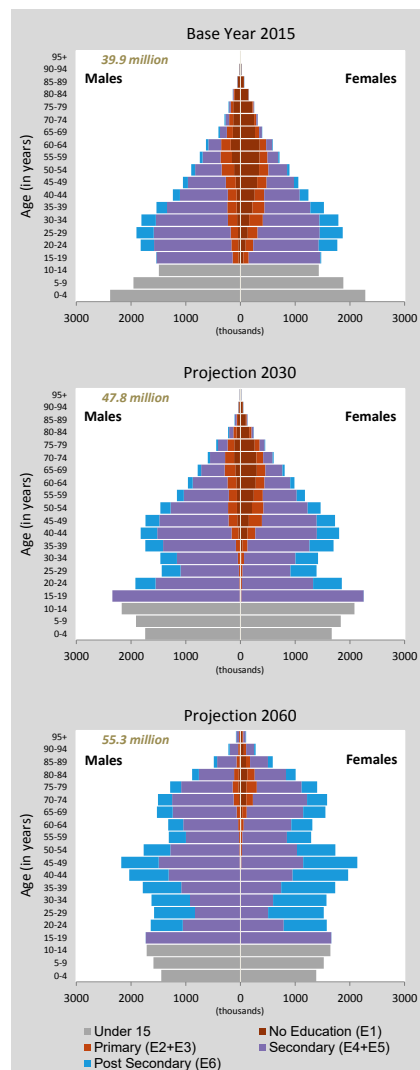
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

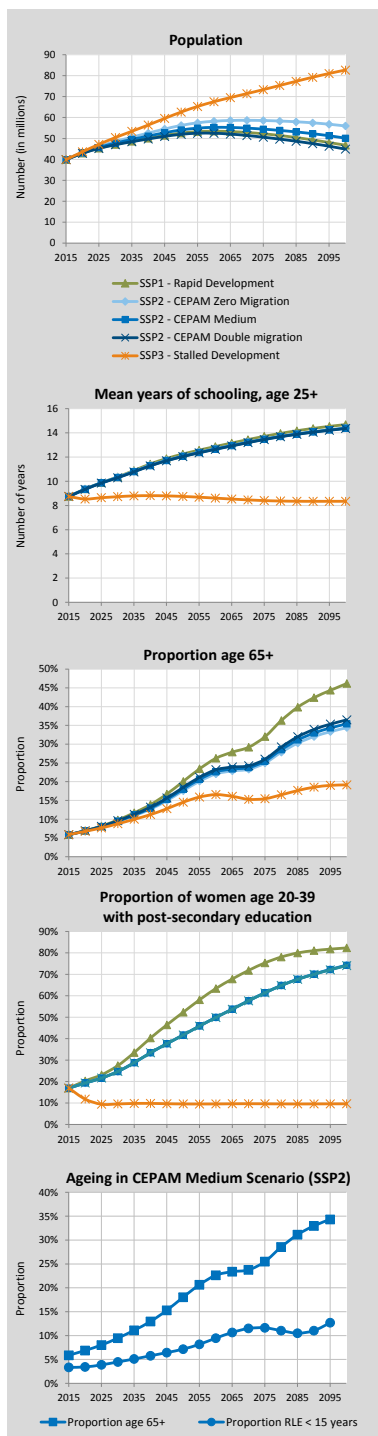
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



Algeria (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	39.87	42.99	47.18	52.58	53.47	52.24	46.77
SSP2 - CEPAM Zero Migration	39.87	43.33	48.54	56.22	58.24	58.57	55.97
SSP2 - CEPAM Medium	39.87	43.11	47.76	54.06	55.30	54.46	50.15
SSP2 - CEPAM Double Migration	39.87	42.89	46.99	51.98	52.49	50.61	44.90
SSP3 - Stalled Development	39.87	43.63	50.44	62.62	67.56	73.34	82.70
Proportion age 65+							
SSP1 - Rapid Development	5.9%	6.9%	9.8%	20.1%	26.2%	32.0%	46.2%
SSP2 - CEPAM Zero Migration	5.9%	6.9%	9.3%	17.6%	22.1%	25.0%	34.4%
SSP2 - CEPAM Medium	5.9%	6.9%	9.5%	18.0%	22.6%	25.5%	35.4%
SSP2 - CEPAM Double Migration	5.9%	6.9%	9.6%	18.5%	23.2%	26.0%	36.5%
SSP3 - Stalled Development	5.9%	6.8%	8.8%	14.5%	16.6%	15.5%	19.1%
Proportion below age 20							
SSP1 - Rapid Development	36.2%	36.1%	32.4%	21.9%	19.8%	15.4%	12.2%
SSP2 - CEPAM Zero Migration	36.2%	36.3%	33.4%	24.6%	23.0%	19.2%	16.6%
SSP2 - CEPAM Medium	36.2%	36.3%	33.5%	24.5%	23.0%	19.1%	16.4%
SSP2 - CEPAM Double Migration	36.2%	36.4%	33.6%	24.5%	23.0%	19.0%	16.2%
SSP3 - Stalled Development	36.2%	37.0%	36.7%	30.8%	30.2%	28.1%	26.7%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	16.9%	20.3%	27.4%	52.3%	63.4%	75.4%	82.3%
SSP2 - CEPAM Zero Migration	16.9%	19.3%	24.7%	41.7%	50.0%	61.4%	74.3%
SSP2 - CEPAM Medium	16.9%	19.3%	24.7%	41.7%	49.9%	61.4%	74.2%
SSP2 - CEPAM Double Migration	16.9%	19.3%	24.7%	41.7%	49.9%	61.4%	74.1%
SSP3 - Stalled Development	16.9%	11.8%	9.6%	9.6%	9.6%	9.6%	9.6%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	8.7	9.4	10.4	12.2	12.9	13.7	14.7
SSP2 - CEPAM Zero Migration	8.7	9.3	10.3	12.1	12.7	13.5	14.4
SSP2 - CEPAM Medium	8.7	9.3	10.3	12.1	12.7	13.5	14.4
SSP2 - CEPAM Double Migration	8.7	9.3	10.3	12.0	12.6	13.4	14.4
SSP3 - Stalled Development	8.7	8.5	8.7	8.7	8.6	8.4	8.3

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	2.52	2.15	1.80	1.51	1.46	1.41	1.38
SSP2 - CEPAM Zero Migration	2.61	2.32	2.03	1.74	1.67	1.61	1.57
SSP2 - CEPAM Medium	2.61	2.32	2.03	1.74	1.67	1.61	1.57
SSP2 - CEPAM Double Migration	2.61	2.32	2.03	1.74	1.67	1.61	1.57
SSP3 - Stalled Development	2.91	2.89	2.70	2.39	2.33	2.27	2.25
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	78.2	79.6	82.6	88.4	91.3	95.7	101.6
SSP2 - CEPAM Zero Migration	77.7	78.6	80.6	84.4	86.3	89.2	93.0
SSP2 - CEPAM Medium	77.7	78.6	80.5	84.4	86.3	89.2	93.0
SSP2 - CEPAM Double Migration	77.7	78.6	80.5	84.4	86.3	89.2	93.0
SSP3 - Stalled Development	77.0	77.2	77.7	78.9	79.5	80.5	82.2
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-199.6	-215.5	-236.2	-261.5	-264.5	-255.9	-234.6
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-199.5	-215.8	-238.3	-266.4	-270.2	-262.9	-245.7
SSP2 - CEPAM Double Migration	-398.9	-429.3	-468.4	-510.7	-510.8	-485.4	-439.3
SSP3 - Stalled Development	-132.9	-72.9	-0.2	-0.3	-0.3	-0.3	-0.4

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	27.5	29.1	32.2	38.1	42.4	47.0	51.5
Proportion age 65+	5.9%	6.9%	9.5%	18.0%	22.6%	25.5%	34.3%
Proportion RLE < 15 years	3.4%	3.5%	4.4%	7.1%	9.4%	11.8%	12.3%

Angola

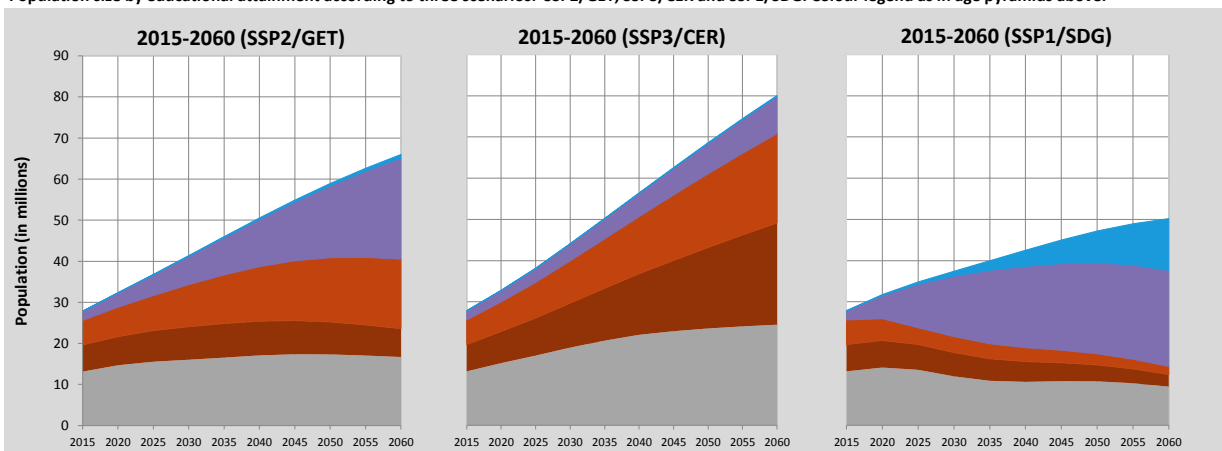
Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	27.86	32.36	41.37	50.54	58.94	66.00
Proportion age 65+	2.3%	2.6%	3.2%	3.9%	5.1%	6.7%
Proportion below age 20	57.5%	56.3%	50.6%	44.0%	38.9%	33.9%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	5.16	4.38	3.42	2.74	2.33	2.19
Life expectancy at birth (in years)						
Male	59.0	59.8	61.5	63.2	65.0	65.8
Female	64.7	65.5	67.0	68.5	70.0	71.6
Five-year net-migration flow (in thousands)	3.4	-3.2	-17.3	-32.7	-47.5	-54.1

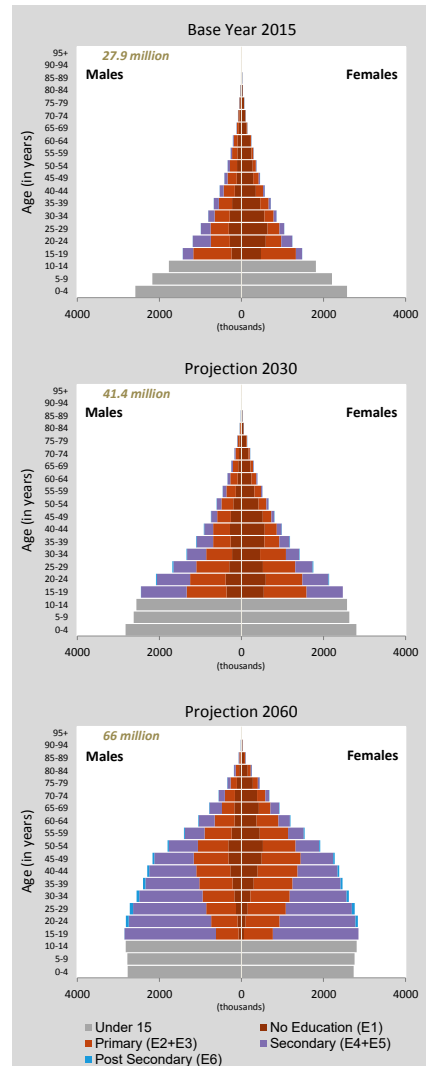
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	52.2%	48.0%	38.0%	30.3%	23.5%	17.3%
E2 - incomplete primary	16.0%	13.9%	13.1%	13.4%	12.4%	10.8%
E3 - primary	19.4%	21.7%	26.7%	27.1%	27.2%	26.6%
E4 - lower secondary	6.4%	9.1%	11.7%	14.3%	17.3%	20.1%
E5 - upper secondary	5.6%	6.8%	9.6%	13.6%	18.1%	23.3%
E6 - post-secondary	0.4%	0.6%	0.9%	1.2%	1.5%	1.9%
Mean years of schooling (in years)	2.4	2.9	4.0	5.1	6.1	7.1
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.51	0.51	0.51	0.54	0.57	0.59
E2 - incomplete primary	1.16	1.07	0.92	0.72	0.61	0.55
E3 - primary	3.04	2.36	1.65	1.48	1.32	1.18
E4 - lower secondary	2.97	2.38	1.91	1.56	1.36	1.23
E5 - upper secondary	2.20	1.91	1.60	1.44	1.35	1.29
E6 - post-secondary	2.51	1.78	1.39	1.32	1.26	1.24
Mean years of schooling (male minus female)	1.0	1.0	0.9	0.8	0.7	0.6
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	44.6%	37.0%	26.0%	19.4%	12.5%	6.6%
E2 - incomplete primary	12.4%	11.4%	11.8%	13.3%	10.7%	7.3%
E3 - primary	23.4%	27.5%	30.7%	28.1%	26.5%	24.0%
E4 - lower secondary	12.5%	14.2%	16.1%	18.0%	22.1%	25.4%
E5 - upper secondary	6.7%	9.3%	14.4%	19.8%	26.4%	34.4%
E6 - post-secondary	0.4%	0.7%	1.0%	1.3%	1.8%	2.4%
Mean years of schooling (in years)	2.3	3.1	4.9	6.1	7.3	8.5

Education scenarios
 SSP2/GET: Global Education Trend Scenario (Medium assumption)
 SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)
 SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

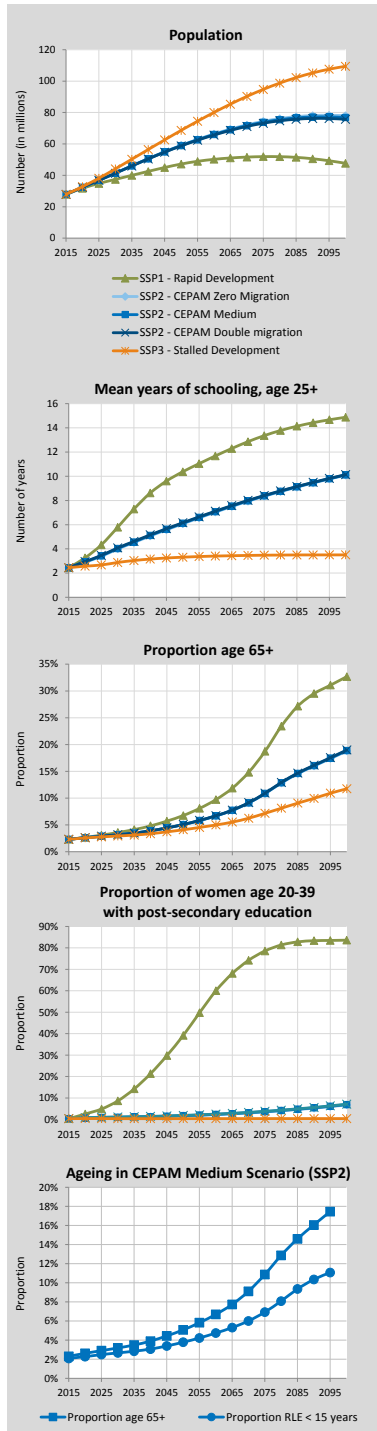
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



Angola (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)

	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	27.86	31.76	37.42	47.18	50.19	51.92	47.67
SSP2 - CEPAM Zero Migration	27.86	32.36	41.39	59.11	66.32	74.39	78.01
SSP2 - CEPAM Medium	27.86	32.36	41.37	58.94	66.00	73.80	76.88
SSP2 - CEPAM Double Migration	27.86	32.37	41.35	58.75	65.67	73.19	75.73
SSP3 - Stalled Development	27.86	32.80	44.12	68.62	80.06	94.74	109.45
Proportion age 65+							
SSP1 - Rapid Development	2.3%	2.7%	3.6%	6.8%	9.7%	18.7%	32.7%
SSP2 - CEPAM Zero Migration	2.3%	2.6%	3.2%	5.1%	6.7%	10.8%	18.8%
SSP2 - CEPAM Medium	2.3%	2.6%	3.2%	5.1%	6.7%	10.9%	18.9%
SSP2 - CEPAM Double Migration	2.3%	2.6%	3.2%	5.1%	6.7%	10.9%	19.0%
SSP3 - Stalled Development	2.3%	2.6%	2.9%	4.1%	5.0%	7.2%	11.7%
Proportion below age 20							
SSP1 - Rapid Development	57.5%	55.4%	45.0%	30.0%	25.9%	19.5%	14.6%
SSP2 - CEPAM Zero Migration	57.5%	56.3%	50.6%	38.9%	33.9%	28.5%	22.9%
SSP2 - CEPAM Medium	57.5%	56.3%	50.6%	38.9%	33.9%	28.5%	22.8%
SSP2 - CEPAM Double Migration	57.5%	56.3%	50.6%	38.9%	33.9%	28.5%	22.8%
SSP3 - Stalled Development	57.5%	56.9%	53.9%	44.7%	40.1%	35.0%	30.4%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	0.4%	2.5%	8.7%	39.2%	60.0%	78.6%	83.6%
SSP2 - CEPAM Zero Migration	0.4%	0.6%	0.9%	1.7%	2.2%	3.5%	6.7%
SSP2 - CEPAM Medium	0.4%	0.7%	1.0%	1.8%	2.4%	3.6%	6.9%
SSP2 - CEPAM Double Migration	0.4%	0.8%	1.2%	1.9%	2.5%	3.8%	7.1%
SSP3 - Stalled Development	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	2.4	3.3	5.8	10.4	11.7	13.4	14.9
SSP2 - CEPAM Zero Migration	2.4	2.9	4.0	6.1	7.0	8.3	10.1
SSP2 - CEPAM Medium	2.4	2.9	4.0	6.1	7.1	8.4	10.1
SSP2 - CEPAM Double Migration	2.4	2.9	4.1	6.2	7.1	8.4	10.1
SSP3 - Stalled Development	2.4	2.6	2.9	3.3	3.4	3.5	3.5

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	4.59	3.29	2.13	1.63	1.50	1.36	1.23
SSP2 - CEPAM Zero Migration	5.17	4.39	3.42	2.33	2.09	1.88	1.70
SSP2 - CEPAM Medium	5.16	4.38	3.42	2.33	2.09	1.88	1.70
SSP2 - CEPAM Double Migration	5.16	4.38	3.42	2.33	2.09	1.88	1.70
SSP3 - Stalled Development	5.61	5.20	4.43	3.01	2.68	2.46	2.32
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	65.2	66.8	70.3	75.8	78.3	82.2	87.3
SSP2 - CEPAM Zero Migration	64.7	65.4	67.0	70.0	71.6	73.9	77.0
SSP2 - CEPAM Medium	64.7	65.5	67.0	70.0	71.6	73.9	77.0
SSP2 - CEPAM Double Migration	64.7	65.5	67.0	70.1	71.6	73.9	77.0
SSP3 - Stalled Development	64.2	64.3	64.5	64.6	64.5	64.4	64.5
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	3.5	-2.1	-10.2	-26.4	-32.4	-37.0	-35.0
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	3.4	-3.2	-17.3	-47.5	-60.3	-75.0	-81.5
SSP2 - CEPAM Double Migration	6.9	-6.8	-35.7	-96.9	-122.6	-151.3	-162.8
SSP3 - Stalled Development	2.3	-1.2	0.0	0.0	-0.1	-0.1	-0.1

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	16.4	17.1	19.8	26.2	29.5	34.6	40.0
Proportion age 65+	2.3%	2.6%	3.2%	5.1%	6.7%	10.9%	17.5%
Proportion RLE < 15 years	2.1%	2.2%	2.7%	3.8%	4.7%	6.9%	11.1%

Antigua and Barbuda

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	0.10	0.10	0.11	0.11	0.11	0.11
Proportion age 65+	6.6%	8.0%	13.1%	19.9%	21.7%	23.3%
Proportion below age 20	33.2%	31.1%	27.9%	25.5%	23.7%	22.7%
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	2.00	1.94	1.87	1.83	1.82	1.81
Life expectancy at birth (in years)						
Male	74.1	74.9	76.6	78.3	80.1	81.1
Female	78.9	79.6	81.0	82.3	83.6	84.7
Five-year net-migration flow (in thousands)	-1.7	-1.7	-1.6	-1.5	-1.2	-1.1

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	3.6%	3.1%	2.3%	1.9%	1.6%	1.4%
E2 - incomplete primary	2.4%	2.1%	1.6%	1.3%	1.0%	0.9%
E3 - primary	39.9%	35.8%	28.1%	21.4%	15.0%	9.5%
E4 - lower secondary	9.0%	9.3%	9.5%	9.2%	8.5%	7.5%
E5 - upper secondary	26.7%	29.4%	34.4%	38.4%	41.8%	44.1%
E6 - post-secondary	18.3%	20.3%	24.1%	27.8%	32.0%	36.6%
Mean years of schooling (in years)	10.2	10.6	11.2	11.7	12.3	12.7
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	1.22	1.20	1.14	1.07	0.97	0.87
E2 - incomplete primary	1.26	1.29	1.31	1.29	1.21	1.12
E3 - primary	1.20	1.22	1.25	1.27	1.30	1.36
E4 - lower secondary	0.94	0.98	1.04	1.10	1.18	1.28
E5 - upper secondary	0.90	0.92	0.99	1.05	1.11	1.17
E6 - post-secondary	0.75	0.74	0.74	0.73	0.73	0.72
Mean years of schooling (male minus female)	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	1.0%	1.2%	0.7%	0.6%	0.4%	0.3%
E2 - incomplete primary	0.7%	0.8%	0.4%	0.3%	0.2%	0.2%
E3 - primary	19.4%	14.9%	8.5%	4.6%	2.4%	1.3%
E4 - lower secondary	9.2%	9.1%	8.2%	6.5%	4.8%	3.4%
E5 - upper secondary	45.9%	47.8%	50.6%	51.8%	51.2%	49.0%
E6 - post-secondary	23.7%	26.3%	31.5%	36.2%	41.0%	45.8%
Mean years of schooling (in years)	12.3	12.5	13.0	13.5	13.8	14.1

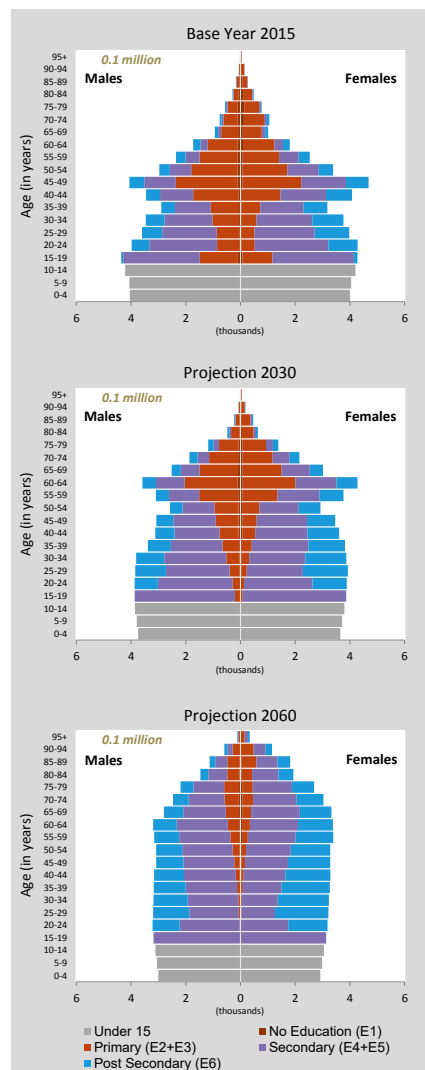
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

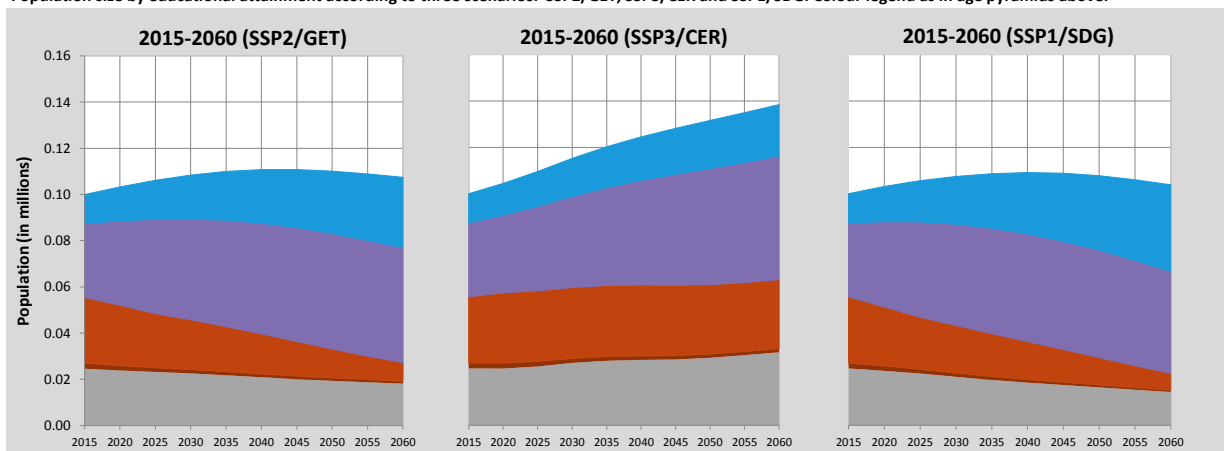
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

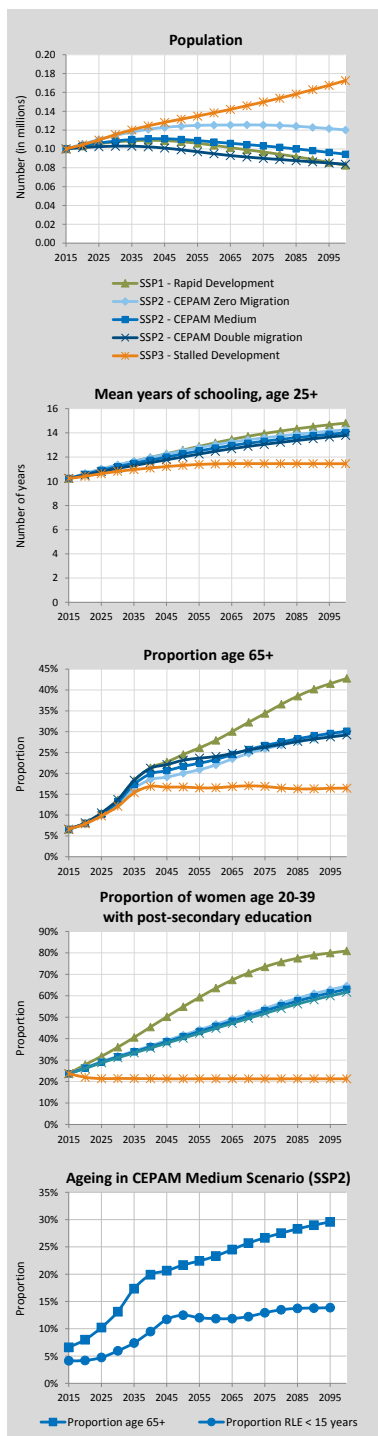
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Antigua and Barbuda (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)

	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	0.10	0.10	0.11	0.11	0.10	0.10	0.08
SSP2 - CEPAM Zero Migration	0.10	0.11	0.11	0.12	0.13	0.13	0.12
SSP2 - CEPAM Medium	0.10	0.10	0.11	0.11	0.11	0.10	0.09
SSP2 - CEPAM Double Migration	0.10	0.10	0.10	0.10	0.09	0.09	0.08
SSP3 - Stalled Development	0.10	0.10	0.12	0.13	0.14	0.15	0.17
Proportion age 65+							
SSP1 - Rapid Development	6.6%	8.1%	13.6%	24.5%	27.9%	34.4%	42.8%
SSP2 - CEPAM Zero Migration	6.6%	7.9%	12.6%	20.0%	22.0%	25.9%	29.6%
SSP2 - CEPAM Medium	6.6%	8.0%	13.1%	21.7%	23.3%	26.7%	30.1%
SSP2 - CEPAM Double Migration	6.6%	8.1%	13.7%	23.2%	24.0%	26.3%	29.2%
SSP3 - Stalled Development	6.6%	7.9%	12.1%	16.7%	16.5%	16.9%	16.4%
Proportion below age 20							
SSP1 - Rapid Development	33.2%	30.9%	26.7%	20.8%	19.0%	16.9%	14.7%
SSP2 - CEPAM Zero Migration	33.2%	31.0%	27.8%	23.7%	22.6%	21.2%	19.9%
SSP2 - CEPAM Medium	33.2%	31.1%	27.9%	23.7%	22.7%	21.4%	20.2%
SSP2 - CEPAM Double Migration	33.2%	31.3%	28.0%	23.8%	23.0%	21.8%	20.8%
SSP3 - Stalled Development	33.2%	31.5%	30.2%	29.3%	29.7%	29.8%	30.3%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	23.7%	27.9%	36.0%	54.9%	63.6%	73.5%	80.9%
SSP2 - CEPAM Zero Migration	23.7%	26.4%	31.8%	41.7%	46.7%	54.1%	64.6%
SSP2 - CEPAM Medium	23.7%	26.3%	31.5%	41.0%	45.8%	53.0%	63.1%
SSP2 - CEPAM Double Migration	23.7%	26.1%	31.1%	40.2%	44.8%	51.8%	61.6%
SSP3 - Stalled Development	23.7%	22.0%	21.4%	21.3%	21.3%	21.3%	21.3%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	10.2	10.6	11.3	12.6	13.2	13.9	14.8
SSP2 - CEPAM Zero Migration	10.2	10.6	11.4	12.5	13.0	13.6	14.3
SSP2 - CEPAM Medium	10.2	10.6	11.2	12.3	12.7	13.3	14.0
SSP2 - CEPAM Double Migration	10.2	10.5	11.1	12.0	12.5	13.0	13.8
SSP3 - Stalled Development	10.2	10.4	10.8	11.3	11.4	11.5	11.4

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.93	1.80	1.65	1.58	1.56	1.56	1.55
SSP2 - CEPAM Zero Migration	2.00	1.94	1.87	1.82	1.79	1.79	1.78
SSP2 - CEPAM Medium	2.00	1.94	1.87	1.82	1.80	1.80	1.79
SSP2 - CEPAM Double Migration	2.00	1.94	1.87	1.82	1.80	1.80	1.79
SSP3 - Stalled Development	2.16	2.25	2.35	2.41	2.41	2.44	2.46
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	79.4	80.6	83.0	87.6	89.8	92.9	97.1
SSP2 - CEPAM Zero Migration	78.9	79.6	81.1	83.7	84.8	86.6	88.8
SSP2 - CEPAM Medium	78.9	79.6	81.0	83.6	84.7	86.5	88.7
SSP2 - CEPAM Double Migration	78.9	79.6	81.0	83.5	84.6	86.4	88.6
SSP3 - Stalled Development	78.4	78.6	78.9	79.3	79.3	79.4	79.5
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-1.7	-1.7	-1.7	-1.4	-1.2	-1.0	-0.8
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-1.7	-1.7	-1.6	-1.2	-1.0	-0.8	-0.5
SSP2 - CEPAM Double Migration	-3.4	-3.3	-2.9	-1.7	-1.2	-0.7	-0.4
SSP3 - Stalled Development	-1.1	-0.6	0.0	0.0	0.0	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	30.6	32.2	35.5	41.3	42.8	45.2	47.2
Proportion age 65+	6.6%	8.0%	13.1%	21.7%	23.3%	26.7%	29.6%
Proportion RLE < 15 years	4.2%	4.2%	5.3%	13.1%	12.5%	13.3%	13.9%

Argentina

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	43.42	45.44	49.10	52.27	54.76	56.48
Proportion age 65+	10.9%	11.6%	13.2%	15.4%	19.0%	22.5%
Proportion below age 20	33.1%	32.0%	29.2%	26.4%	24.2%	22.1%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	2.22	2.11	1.96	1.85	1.75	1.72
Life expectancy at birth (in years)						
Male	73.1	74.2	76.4	78.7	81.0	82.1
Female	80.5	81.6	83.7	85.9	88.0	90.2
Five-year net-migration flow (in thousands)	36.2	40.3	47.7	53.7	58.9	60.9

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	1.8%	1.5%	1.1%	0.8%	0.6%	0.5%
E2 - incomplete primary	11.6%	9.8%	6.9%	4.8%	3.3%	2.2%
E3 - primary	32.6%	30.5%	26.0%	21.3%	17.0%	13.2%
E4 - lower secondary	6.6%	6.9%	7.4%	7.6%	7.6%	7.3%
E5 - upper secondary	28.4%	30.7%	34.8%	38.3%	40.9%	42.9%
E6 - post-secondary	18.9%	20.6%	23.9%	27.2%	30.6%	33.9%
Mean years of schooling (in years)	9.8	10.1	10.6	11.1	11.5	11.9
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.89	0.90	0.92	0.92	0.91	0.87
E2 - incomplete primary	1.00	1.00	1.00	1.00	1.00	0.99
E3 - primary	1.10	1.11	1.13	1.15	1.16	1.17
E4 - lower secondary	1.17	1.19	1.21	1.22	1.25	1.29
E5 - upper secondary	1.07	1.07	1.08	1.10	1.13	1.16
E6 - post-secondary	0.73	0.73	0.74	0.74	0.74	0.73
Mean years of schooling (male minus female)	-0.1	-0.1	-0.2	-0.2	-0.2	-0.2
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	0.6%	0.6%	0.4%	0.2%	0.1%	0.1%
E2 - incomplete primary	5.8%	4.4%	2.1%	1.1%	0.5%	0.2%
E3 - primary	24.3%	21.0%	15.3%	10.2%	6.4%	3.7%
E4 - lower secondary	9.8%	9.1%	8.1%	7.7%	6.8%	5.5%
E5 - upper secondary	36.9%	40.5%	46.0%	48.6%	49.8%	49.9%
E6 - post-secondary	22.6%	24.4%	28.1%	32.3%	36.5%	40.6%
Mean years of schooling (in years)	11.1	11.3	11.8	12.3	12.7	13.0

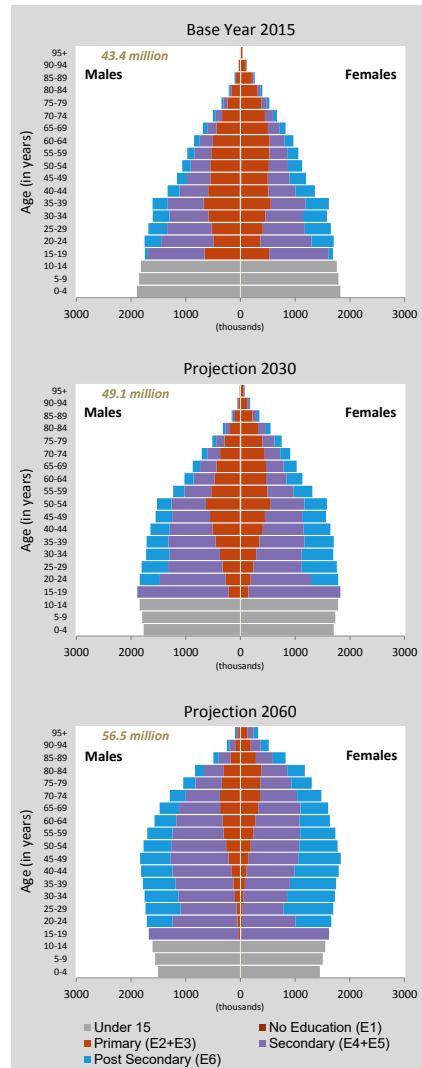
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

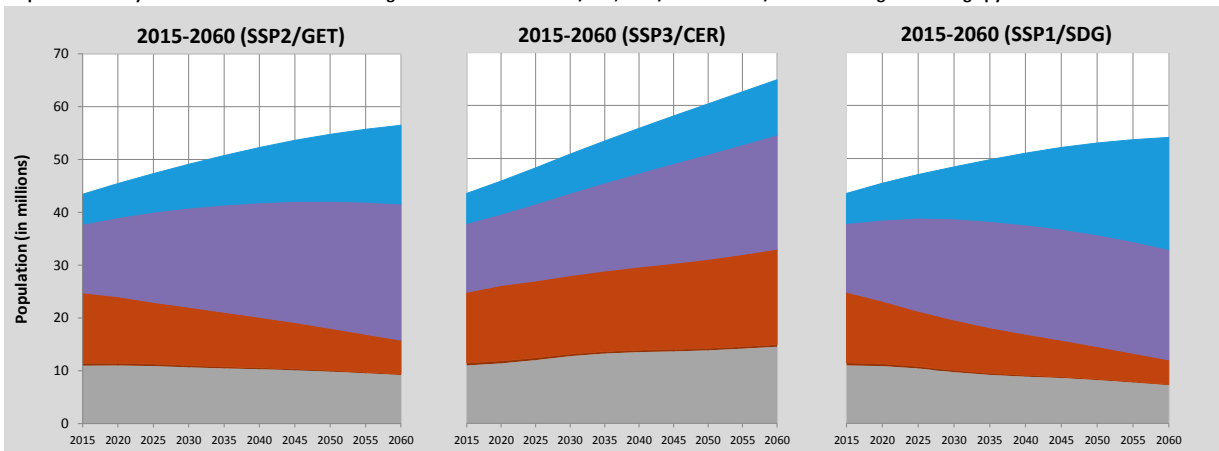
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

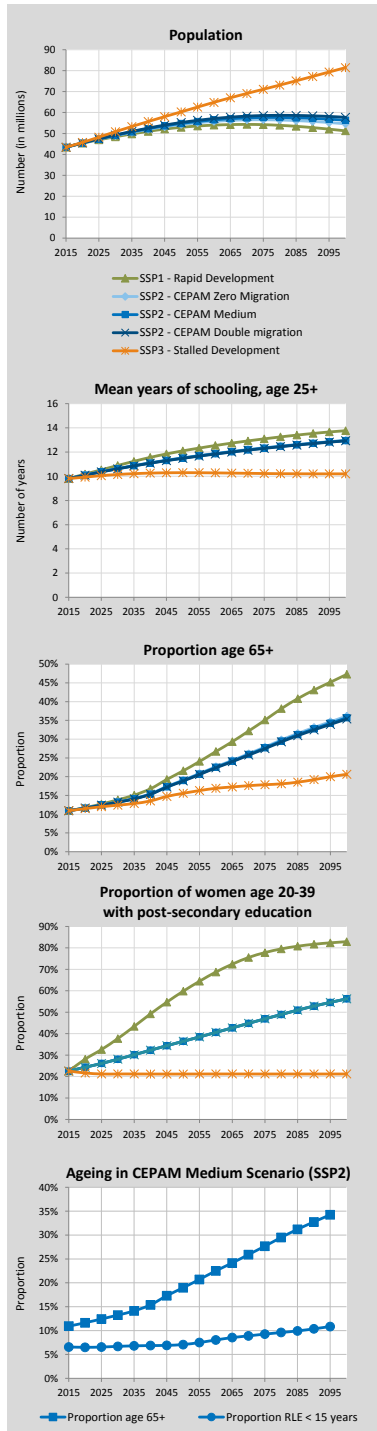
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Argentina (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	43.42	45.34	48.42	52.93	53.99	54.21	51.24
SSP2 - CEPAM Zero Migration	43.42	45.40	48.94	54.26	55.76	56.55	54.61
SSP2 - CEPAM Medium	43.42	45.44	49.10	54.76	56.48	57.63	56.33
SSP2 - CEPAM Double Migration	43.42	45.49	49.25	55.22	57.12	58.56	57.74
SSP3 - Stalled Development	43.42	45.75	50.83	60.31	64.87	71.11	81.45
Proportion age 65+							
SSP1 - Rapid Development	10.9%	11.7%	13.8%	21.6%	26.7%	35.1%	47.3%
SSP2 - CEPAM Zero Migration	10.9%	11.6%	13.3%	19.1%	22.7%	27.9%	36.1%
SSP2 - CEPAM Medium	10.9%	11.6%	13.2%	19.0%	22.5%	27.7%	35.7%
SSP2 - CEPAM Double Migration	10.9%	11.6%	13.2%	18.9%	22.4%	27.5%	35.4%
SSP3 - Stalled Development	10.9%	11.5%	12.4%	15.6%	16.9%	17.9%	20.6%
Proportion below age 20							
SSP1 - Rapid Development	33.1%	31.8%	27.6%	21.0%	18.5%	15.3%	12.0%
SSP2 - CEPAM Zero Migration	33.1%	32.0%	29.2%	24.1%	22.0%	19.4%	16.5%
SSP2 - CEPAM Medium	33.1%	32.0%	29.2%	24.2%	22.1%	19.6%	16.7%
SSP2 - CEPAM Double Migration	33.1%	32.0%	29.2%	24.3%	22.2%	19.7%	16.8%
SSP3 - Stalled Development	33.1%	32.6%	32.3%	30.3%	29.4%	28.3%	26.7%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	22.6%	28.1%	37.7%	59.8%	68.8%	77.8%	82.9%
SSP2 - CEPAM Zero Migration	22.6%	24.4%	28.1%	36.5%	40.6%	46.9%	56.3%
SSP2 - CEPAM Medium	22.6%	24.4%	28.1%	36.5%	40.6%	46.9%	56.2%
SSP2 - CEPAM Double Migration	22.6%	24.3%	28.1%	36.4%	40.6%	46.9%	56.2%
SSP3 - Stalled Development	22.6%	21.7%	21.2%	21.2%	21.2%	21.2%	21.2%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	9.8	10.2	10.9	12.1	12.5	13.1	13.8
SSP2 - CEPAM Zero Migration	9.8	10.1	10.6	11.5	11.9	12.4	13.0
SSP2 - CEPAM Medium	9.8	10.1	10.6	11.5	11.9	12.3	12.9
SSP2 - CEPAM Double Migration	9.8	10.1	10.6	11.5	11.8	12.3	12.9
SSP3 - Stalled Development	9.8	9.9	10.1	10.3	10.3	10.2	10.2

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	2.12	1.91	1.69	1.48	1.44	1.40	1.38
SSP2 - CEPAM Zero Migration	2.22	2.11	1.96	1.75	1.69	1.63	1.60
SSP2 - CEPAM Medium	2.22	2.11	1.96	1.75	1.69	1.63	1.60
SSP2 - CEPAM Double Migration	2.22	2.11	1.96	1.75	1.69	1.63	1.60
SSP3 - Stalled Development	2.44	2.55	2.57	2.37	2.30	2.25	2.26
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	81.0	82.6	85.8	92.1	95.3	100.0	106.4
SSP2 - CEPAM Zero Migration	80.5	81.6	83.7	88.0	90.2	93.4	97.7
SSP2 - CEPAM Medium	80.5	81.6	83.7	88.0	90.2	93.4	97.7
SSP2 - CEPAM Double Migration	80.5	81.6	83.7	88.0	90.2	93.4	97.7
SSP3 - Stalled Development	80.0	80.5	81.6	83.7	84.7	86.2	88.3
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	36.2	39.6	43.4	45.7	43.8	39.0	28.8
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	36.2	40.3	47.7	58.9	62.5	65.8	66.6
SSP2 - CEPAM Double Migration	72.5	79.2	90.5	105.7	109.5	111.8	109.1
SSP3 - Stalled Development	24.1	13.6	0.0	0.1	0.1	0.1	0.1

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	30.8	31.9	34.4	39.7	42.7	46.7	51.6
Proportion age 65+	10.9%	11.6%	13.2%	19.0%	22.5%	27.7%	34.2%
Proportion RLE < 15 years	6.4%	6.3%	6.5%	6.9%	7.8%	9.4%	11.1%

Armenia

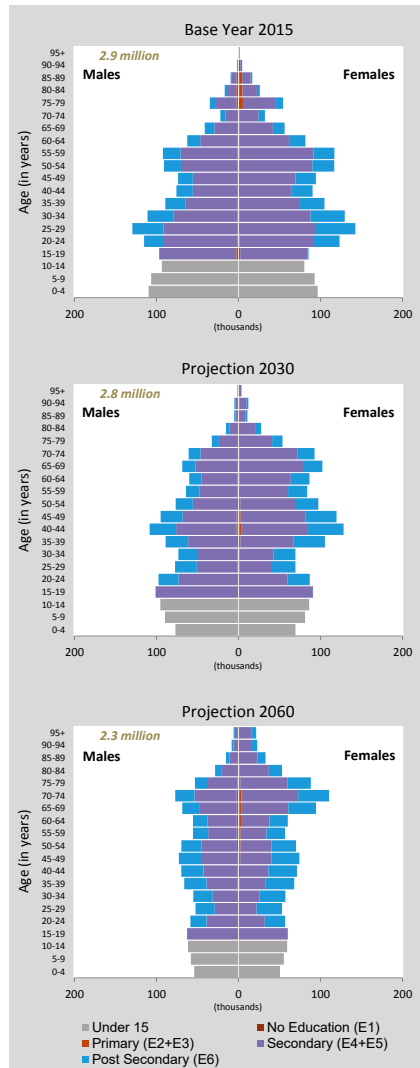
Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	2.92	2.89	2.77	2.59	2.43	2.26
Proportion age 65+	10.9%	12.2%	17.8%	19.6%	24.0%	30.0%
Proportion below age 20	26.1%	26.2%	24.9%	21.4%	20.3%	20.4%
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Total Fertility Rate	1.68	1.67	1.69	1.70	1.71	1.71
Life expectancy at birth (in years)						
Male	71.5	72.6	74.7	76.9	79.0	80.1
Female	77.9	78.9	80.9	82.9	84.9	86.9
Five-year net-migration flow (in thousands)	-82.1	-78.2	-68.2	-56.4	-46.7	-42.0

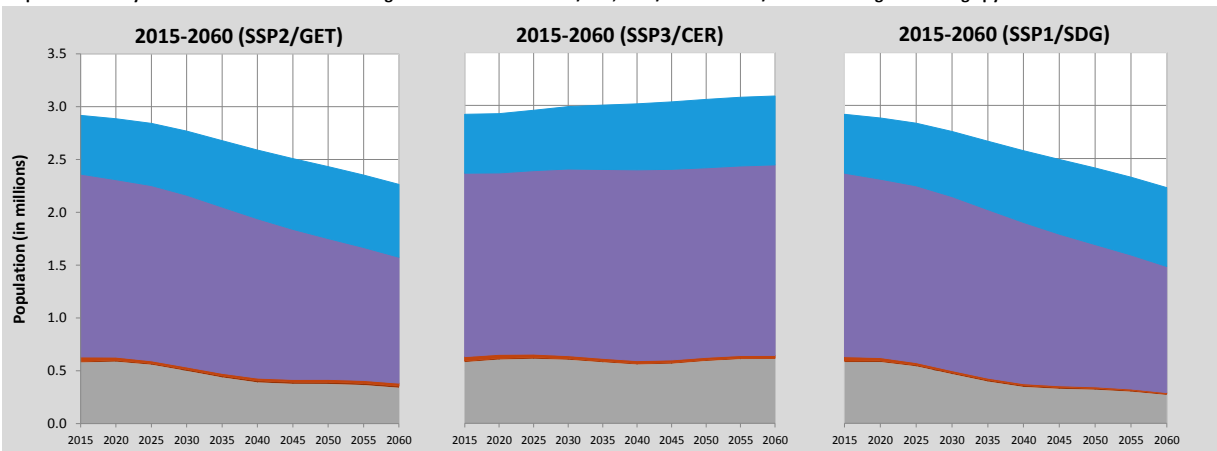
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	0.5%	0.5%	0.7%	0.8%	0.9%	0.9%
E2 - incomplete primary	0.0%	0.1%	0.2%	0.3%	0.4%	0.5%
E3 - primary	1.8%	1.4%	1.0%	1.0%	1.1%	1.2%
E4 - lower secondary	5.6%	5.2%	4.6%	4.2%	3.9%	3.6%
E5 - upper secondary	66.1%	65.6%	64.2%	61.7%	58.6%	55.6%
E6 - post-secondary	26.0%	27.3%	29.3%	32.0%	35.2%	38.2%
Mean years of schooling (in years)	10.8	10.9	11.3	11.7	12.1	12.5
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.72	0.78	0.77	0.71	0.65	0.60
E2 - incomplete primary	1.26	0.96	0.93	0.89	0.85	0.81
E3 - primary	0.81	0.87	1.02	1.05	0.98	0.92
E4 - lower secondary	1.35	1.42	1.51	1.52	1.44	1.34
E5 - upper secondary	0.99	0.99	1.00	1.02	1.05	1.09
E6 - post-secondary	0.99	0.97	0.95	0.92	0.90	0.88
Mean years of schooling (male minus female)	0.0	0.0	0.0	0.0	0.0	0.0
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	0.2%	0.5%	0.5%	0.4%	0.4%	0.3%
E2 - incomplete primary	0.0%	0.2%	0.3%	0.2%	0.2%	0.2%
E3 - primary	0.6%	0.7%	0.6%	0.6%	0.5%	0.6%
E4 - lower secondary	5.8%	4.7%	3.0%	2.1%	1.6%	1.5%
E5 - upper secondary	64.5%	63.3%	62.3%	59.1%	55.0%	51.0%
E6 - post-secondary	28.8%	30.7%	33.4%	37.6%	42.3%	46.4%
Mean years of schooling (in years)	11.2	11.7	12.8	13.5	13.7	13.9

Education scenarios
 SSP2/GET: Global Education Trend Scenario (Medium assumption)
 SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)
 SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

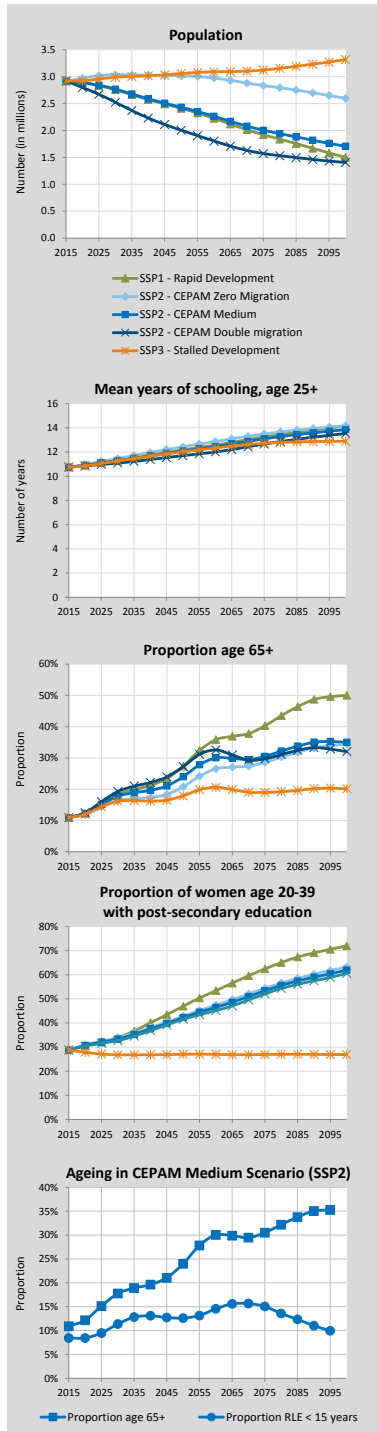
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Armenia (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)

	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	2.92	2.88	2.76	2.41	2.23	1.92	1.50
SSP2 - CEPAM Zero Migration	2.92	2.97	3.04	3.02	2.97	2.84	2.60
SSP2 - CEPAM Medium	2.92	2.89	2.77	2.43	2.26	2.01	1.71
SSP2 - CEPAM Double Migration	2.92	2.80	2.52	2.01	1.80	1.57	1.41
SSP3 - Stalled Development	2.92	2.92	2.99	3.06	3.09	3.12	3.32
Proportion age 65+							
SSP1 - Rapid Development	10.9%	12.2%	18.3%	27.4%	35.9%	40.3%	50.0%
SSP2 - CEPAM Zero Migration	10.9%	11.9%	16.4%	20.8%	26.5%	28.6%	34.4%
SSP2 - CEPAM Medium	10.9%	12.2%	17.8%	24.0%	30.0%	30.5%	35.0%
SSP2 - CEPAM Double Migration	10.9%	12.5%	19.3%	27.2%	32.6%	29.7%	32.0%
SSP3 - Stalled Development	10.9%	12.0%	16.2%	17.9%	20.6%	19.0%	20.1%
Proportion below age 20							
SSP1 - Rapid Development	26.1%	26.0%	23.9%	17.5%	16.7%	14.0%	12.7%
SSP2 - CEPAM Zero Migration	26.1%	26.1%	25.0%	20.4%	20.1%	18.4%	17.4%
SSP2 - CEPAM Medium	26.1%	26.2%	24.9%	20.3%	20.4%	18.6%	18.4%
SSP2 - CEPAM Double Migration	26.1%	26.4%	24.9%	20.3%	20.9%	19.4%	19.8%
SSP3 - Stalled Development	26.1%	26.5%	26.8%	25.1%	26.1%	25.8%	26.1%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	28.8%	30.6%	33.9%	47.0%	53.4%	62.4%	72.0%
SSP2 - CEPAM Zero Migration	28.8%	30.9%	33.9%	42.8%	47.4%	54.4%	63.3%
SSP2 - CEPAM Medium	28.8%	30.7%	33.4%	42.3%	46.4%	53.3%	61.9%
SSP2 - CEPAM Double Migration	28.8%	30.4%	32.7%	41.5%	45.1%	52.0%	60.5%
SSP3 - Stalled Development	28.8%	27.8%	26.8%	27.0%	27.0%	26.9%	26.9%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	10.8	10.9	11.3	12.2	12.6	13.3	14.1
SSP2 - CEPAM Zero Migration	10.8	11.0	11.5	12.4	12.9	13.5	14.2
SSP2 - CEPAM Medium	10.8	10.9	11.3	12.1	12.5	13.1	13.8
SSP2 - CEPAM Double Migration	10.8	10.8	11.1	11.7	12.0	12.7	13.5
SSP3 - Stalled Development	10.8	10.9	11.3	12.0	12.3	12.7	12.9

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.62	1.56	1.50	1.49	1.49	1.49	1.50
SSP2 - CEPAM Zero Migration	1.68	1.67	1.69	1.71	1.71	1.71	1.71
SSP2 - CEPAM Medium	1.68	1.67	1.69	1.71	1.71	1.71	1.71
SSP2 - CEPAM Double Migration	1.67	1.67	1.68	1.71	1.71	1.71	1.72
SSP3 - Stalled Development	1.78	1.91	2.09	2.19	2.20	2.22	2.24
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	78.3	79.9	82.9	88.9	91.9	96.4	102.4
SSP2 - CEPAM Zero Migration	77.9	78.9	80.9	84.9	87.0	90.0	94.0
SSP2 - CEPAM Medium	77.9	78.9	80.9	84.9	86.9	89.9	93.9
SSP2 - CEPAM Double Migration	77.8	78.9	80.8	84.8	86.8	89.7	93.8
SSP3 - Stalled Development	77.4	77.9	78.9	80.9	81.9	83.4	85.3
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-82.2	-78.5	-69.5	-50.4	-41.5	-29.8	-19.1
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-82.1	-78.2	-68.2	-46.7	-37.2	-25.3	-15.7
SSP2 - CEPAM Double Migration	-164.3	-148.9	-115.2	-57.2	-36.2	-16.1	-6.5
SSP3 - Stalled Development	-54.7	-26.5	-0.1	-0.1	-0.1	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	33.9	35.8	40.6	44.8	47.1	50.5	51.0
Proportion age 65+	10.9%	12.2%	17.8%	24.0%	30.0%	30.5%	35.2%
Proportion RLE < 15 years	8.6%	8.4%	11.1%	13.4%	14.6%	15.8%	9.1%

Aruba

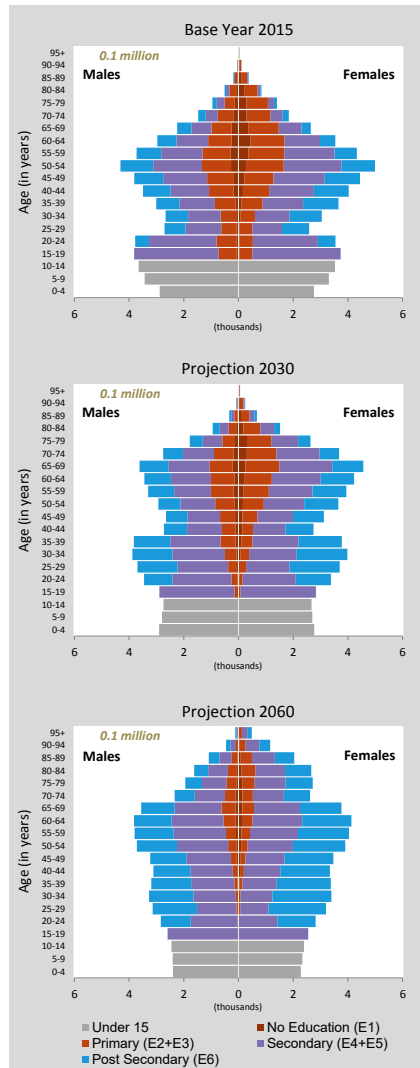
Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	0.10	0.11	0.11	0.11	0.11	0.11
Proportion age 65+	12.1%	14.7%	21.3%	24.3%	23.9%	24.7%
Proportion below age 20	26.0%	23.6%	20.7%	20.6%	19.4%	18.0%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	1.71	1.62	1.53	1.48	1.46	1.46
Life expectancy at birth (in years)						
Male	73.5	74.7	77.1	79.4	81.7	82.8
Female	78.4	79.6	81.8	84.1	86.3	88.5
Five-year net-migration flow (in thousands)	0.5	0.7	1.0	1.4	1.7	1.8

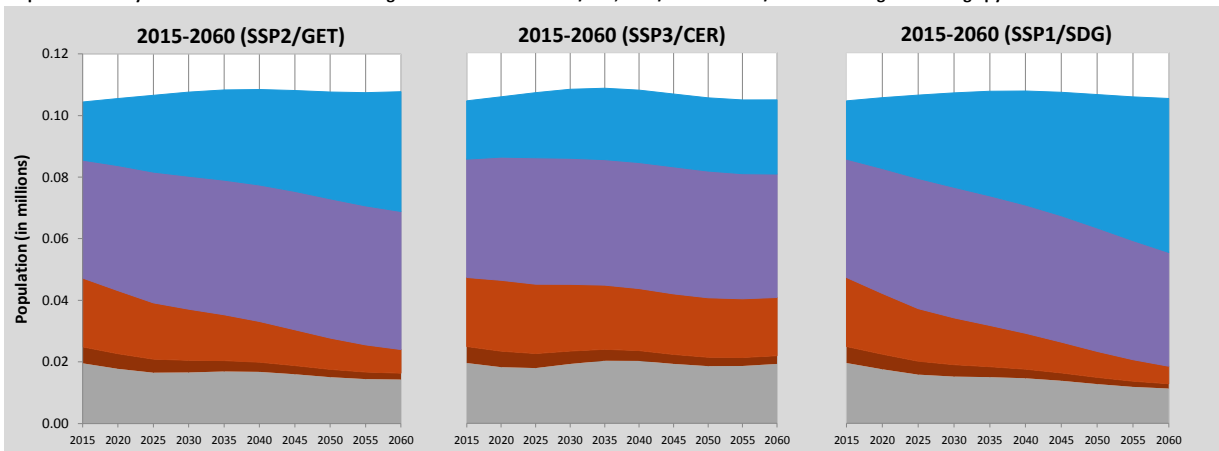
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	7.4%	6.5%	4.9%	3.9%	3.1%	2.5%
E2 - incomplete primary	6.8%	5.7%	4.0%	2.9%	2.1%	1.6%
E3 - primary	21.8%	20.1%	16.4%	13.2%	10.3%	7.6%
E4 - lower secondary	29.0%	28.5%	26.9%	24.5%	21.3%	17.9%
E5 - upper secondary	9.8%	11.8%	15.8%	19.6%	23.2%	26.4%
E6 - post-secondary	25.3%	27.3%	31.9%	35.9%	39.9%	44.0%
Mean years of schooling (in years)	8.9	9.3	10.0	10.6	11.1	11.6
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.83	0.82	0.81	0.81	0.80	0.77
E2 - incomplete primary	0.88	0.88	0.91	0.95	0.97	0.96
E3 - primary	0.93	0.94	0.97	1.00	1.05	1.09
E4 - lower secondary	1.17	1.17	1.18	1.21	1.26	1.34
E5 - upper secondary	0.81	0.86	0.92	0.98	1.04	1.10
E6 - post-secondary	1.05	1.02	0.96	0.91	0.87	0.84
Mean years of schooling (male minus female)	0.1	0.1	0.0	-0.1	-0.1	-0.2
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	2.4%	2.6%	1.7%	1.3%	0.9%	0.6%
E2 - incomplete primary	1.9%	1.6%	0.9%	0.7%	0.5%	0.3%
E3 - primary	17.5%	13.4%	7.8%	4.8%	2.8%	1.7%
E4 - lower secondary	30.5%	26.3%	21.4%	16.9%	12.0%	8.4%
E5 - upper secondary	19.5%	23.8%	28.2%	31.8%	35.3%	35.9%
E6 - post-secondary	28.2%	32.4%	40.0%	44.6%	48.5%	53.2%
Mean years of schooling (in years)	10.5	11.0	11.8	12.3	12.7	13.1

Education scenarios
 SSP2/GET: Global Education Trend Scenario (Medium assumption)
 SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)
 SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

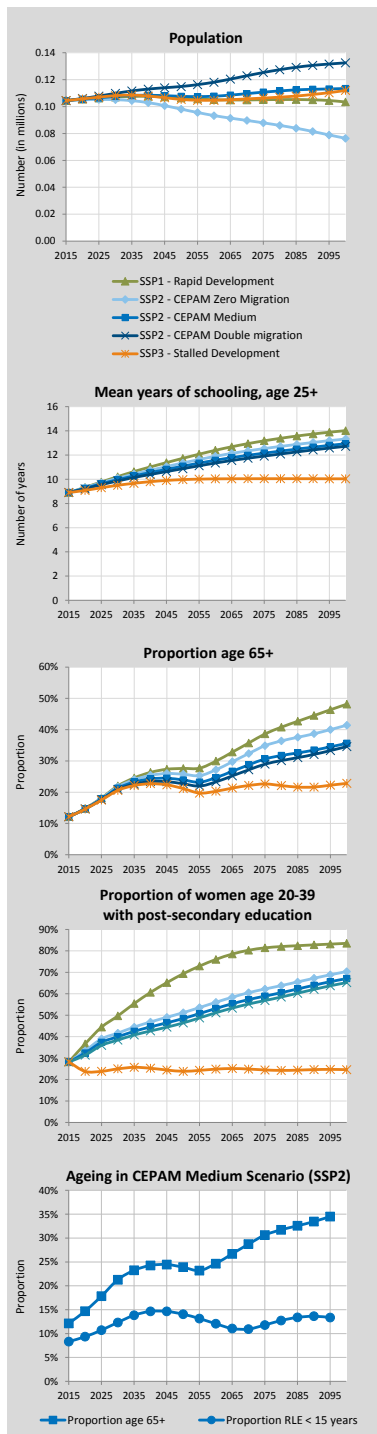
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Aruba (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)	2015 2020 2030 2050 2060 2075 2100						
	Population (in millions)						
SSP1 - Rapid Development	0.10	0.11	0.11	0.11	0.11	0.11	0.10
SSP2 - CEPAM Zero Migration	0.10	0.10	0.11	0.10	0.09	0.09	0.08
SSP2 - CEPAM Medium	0.10	0.11	0.11	0.11	0.11	0.11	0.11
SSP2 - CEPAM Double Migration	0.10	0.11	0.11	0.11	0.12	0.13	0.13
SSP3 - Stalled Development	0.10	0.11	0.11	0.11	0.10	0.11	0.11
Proportion age 65+							
SSP1 - Rapid Development	12.1%	14.8%	22.0%	27.6%	29.9%	38.6%	48.1%
SSP2 - CEPAM Zero Migration	12.1%	14.7%	21.7%	25.7%	27.2%	34.9%	41.4%
SSP2 - CEPAM Medium	12.1%	14.7%	21.3%	23.9%	24.7%	30.6%	35.6%
SSP2 - CEPAM Double Migration	12.1%	14.6%	20.9%	22.7%	23.3%	29.0%	34.6%
SSP3 - Stalled Development	12.1%	14.6%	20.6%	21.2%	20.3%	22.6%	22.8%
Proportion below age 20							
SSP1 - Rapid Development	26.0%	23.4%	19.5%	16.7%	14.9%	13.7%	11.8%
SSP2 - CEPAM Zero Migration	26.0%	23.6%	20.5%	18.6%	16.8%	15.9%	14.3%
SSP2 - CEPAM Medium	26.0%	23.6%	20.7%	19.4%	18.0%	17.5%	16.3%
SSP2 - CEPAM Double Migration	26.0%	23.6%	21.0%	19.9%	18.7%	18.1%	16.8%
SSP3 - Stalled Development	26.0%	24.0%	23.0%	24.1%	24.2%	25.0%	25.8%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	28.2%	36.7%	49.7%	69.3%	76.0%	81.4%	83.5%
SSP2 - CEPAM Zero Migration	28.2%	33.4%	41.7%	51.2%	56.1%	62.2%	70.4%
SSP2 - CEPAM Medium	28.2%	32.4%	40.0%	48.5%	53.2%	58.9%	67.1%
SSP2 - CEPAM Double Migration	28.2%	31.4%	38.4%	46.4%	51.2%	56.9%	65.2%
SSP3 - Stalled Development	28.2%	23.8%	25.0%	23.9%	24.9%	24.5%	24.6%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	8.9	9.3	10.2	11.7	12.4	13.2	14.0
SSP2 - CEPAM Zero Migration	8.9	9.3	10.1	11.3	11.9	12.5	13.3
SSP2 - CEPAM Medium	8.9	9.3	10.0	11.1	11.6	12.2	12.9
SSP2 - CEPAM Double Migration	8.9	9.2	9.9	10.9	11.3	11.9	12.7
SSP3 - Stalled Development	8.9	9.1	9.5	10.0	10.0	10.0	10.0

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.64	1.48	1.33	1.25	1.26	1.30	1.35
SSP2 - CEPAM Zero Migration	1.71	1.62	1.53	1.45	1.46	1.49	1.55
SSP2 - CEPAM Medium	1.71	1.62	1.53	1.46	1.46	1.50	1.55
SSP2 - CEPAM Double Migration	1.71	1.62	1.54	1.46	1.47	1.50	1.55
SSP3 - Stalled Development	1.87	1.94	2.01	2.06	2.11	2.19	2.30
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	78.9	80.6	83.8	90.2	93.4	98.2	104.7
SSP2 - CEPAM Zero Migration	78.4	79.6	81.8	86.4	88.6	92.0	96.3
SSP2 - CEPAM Medium	78.4	79.6	81.8	86.3	88.5	91.9	96.3
SSP2 - CEPAM Double Migration	78.4	79.5	81.8	86.3	88.5	91.8	96.3
SSP3 - Stalled Development	77.9	78.4	79.6	82.1	83.3	85.0	87.4
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	0.5	0.7	0.9	1.3	1.4	1.2	0.9
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	0.5	0.7	1.0	1.7	1.8	1.8	1.7
SSP2 - CEPAM Double Migration	0.9	1.3	1.8	2.7	2.7	2.4	1.9
SSP3 - Stalled Development	0.3	0.3	0.0	0.0	0.0	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	40.1	41.3	41.7	45.5	47.1	49.1	52.4
Proportion age 65+	12.1%	14.7%	21.3%	23.9%	24.7%	30.6%	34.5%
Proportion RLE < 15 years	7.7%	8.6%	11.7%	14.9%	13.2%	11.2%	13.4%

Australia

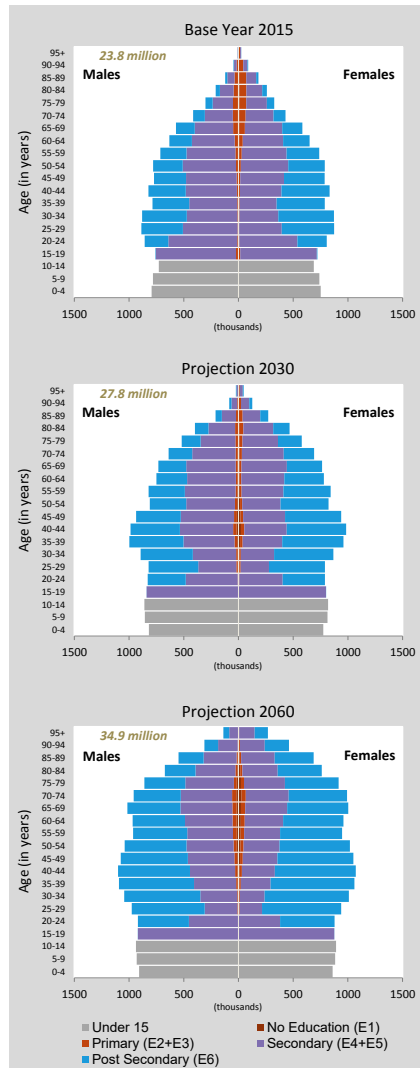
Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	23.80	25.13	27.75	30.18	32.57	34.91
Proportion age 65+	15.0%	16.5%	20.0%	22.7%	24.8%	27.5%
Proportion below age 20	25.1%	24.6%	23.7%	22.1%	21.1%	20.6%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	1.88	1.86	1.84	1.82	1.80	1.80
Life expectancy at birth (in years)						
Male	81.3	82.3	84.4	86.5	88.7	89.7
Female	85.0	86.1	88.3	90.4	92.6	94.7
Five-year net-migration flow (in thousands)	541.8	574.4	630.6	676.3	708.3	717.9

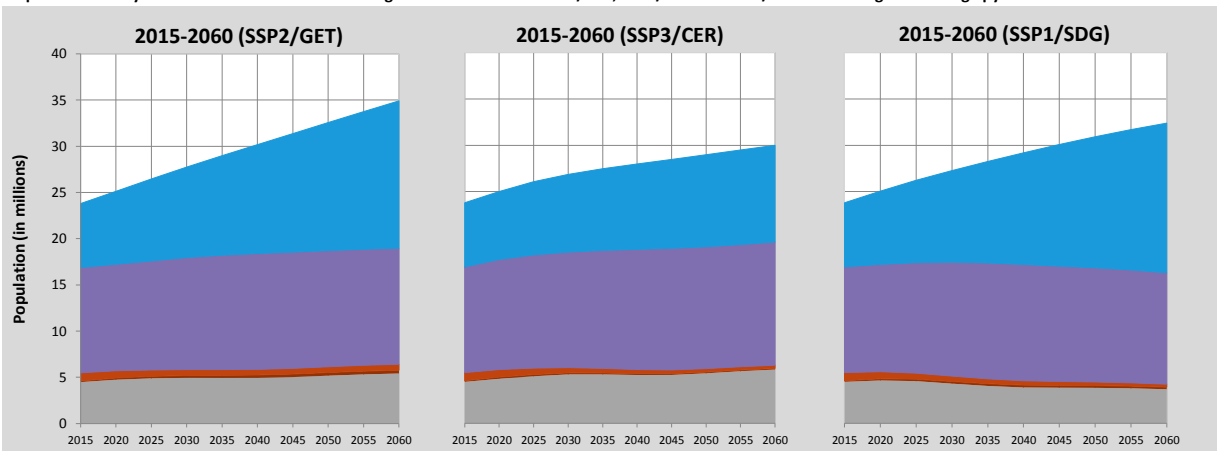
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	0.8%	1.0%	1.3%	1.4%	1.4%	1.4%
E2 - incomplete primary	0.0%	0.2%	0.4%	0.6%	0.7%	0.7%
E3 - primary	5.1%	4.0%	2.8%	2.1%	1.9%	1.8%
E4 - lower secondary	4.3%	4.1%	3.6%	3.3%	3.0%	2.9%
E5 - upper secondary	50.2%	48.5%	45.6%	42.3%	38.8%	35.5%
E6 - post-secondary	39.7%	42.1%	46.3%	50.3%	54.1%	57.8%
Mean years of schooling (in years)	13.1	13.3	13.6	13.9	14.1	14.4
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.73	0.74	0.75	0.75	0.73	0.71
E2 - incomplete primary	1.04	1.05	1.04	1.03	1.02	0.99
E3 - primary	0.76	0.80	0.89	0.98	1.04	1.05
E4 - lower secondary	0.81	0.87	0.96	1.04	1.10	1.12
E5 - upper secondary	1.20	1.20	1.20	1.22	1.24	1.27
E6 - post-secondary	0.84	0.84	0.85	0.85	0.86	0.87
Mean years of schooling (male minus female)	0.0	0.0	-0.1	-0.1	-0.1	-0.1
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	0.2%	0.9%	0.9%	0.7%	0.5%	0.3%
E2 - incomplete primary	0.0%	0.4%	0.5%	0.4%	0.3%	0.2%
E3 - primary	0.9%	1.3%	1.2%	0.9%	0.8%	0.6%
E4 - lower secondary	2.0%	2.3%	1.9%	1.6%	1.4%	1.2%
E5 - upper secondary	52.0%	46.7%	41.3%	37.5%	34.0%	30.9%
E6 - post-secondary	45.0%	48.4%	54.3%	58.8%	63.1%	66.6%
Mean years of schooling (in years)	14.4	14.4	14.6	14.7	14.9	15.1

Education scenarios
 SSP2/GET: Global Education Trend Scenario (Medium assumption)
 SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)
 SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

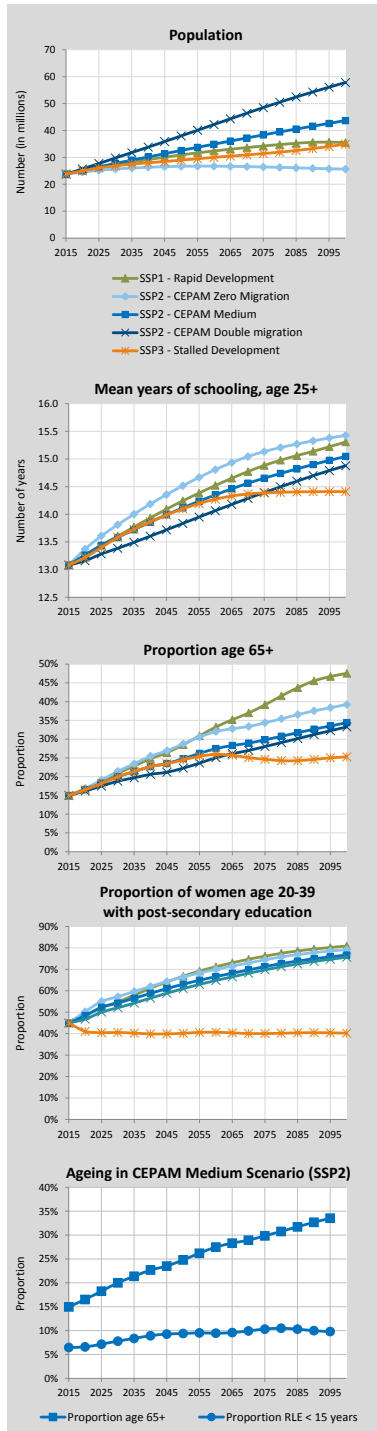
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Australia (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	23.80	25.05	27.27	30.92	32.39	34.23	35.49
SSP2 - CEPAM Zero Migration	23.80	24.54	25.68	26.69	26.74	26.45	25.64
SSP2 - CEPAM Medium	23.80	25.13	27.75	32.57	34.91	38.35	43.69
SSP2 - CEPAM Double Migration	23.80	25.71	29.76	37.97	42.21	48.50	57.83
SSP3 - Stalled Development	23.80	25.01	26.86	28.98	30.00	31.41	34.93
Proportion age 65+							
SSP1 - Rapid Development	15.0%	16.7%	20.9%	28.5%	33.3%	39.2%	47.5%
SSP2 - CEPAM Zero Migration	15.0%	16.9%	21.4%	28.8%	32.0%	34.4%	39.2%
SSP2 - CEPAM Medium	15.0%	16.5%	20.0%	24.8%	27.5%	29.8%	34.4%
SSP2 - CEPAM Double Migration	15.0%	16.2%	18.8%	22.3%	25.1%	28.0%	33.3%
SSP3 - Stalled Development	15.0%	16.5%	20.0%	24.5%	26.0%	24.6%	25.3%
Proportion below age 20							
SSP1 - Rapid Development	25.1%	24.2%	21.7%	16.8%	15.5%	13.6%	11.8%
SSP2 - CEPAM Zero Migration	25.1%	24.6%	23.3%	20.0%	19.5%	18.1%	16.9%
SSP2 - CEPAM Medium	25.1%	24.6%	23.7%	21.1%	20.6%	19.5%	18.3%
SSP2 - CEPAM Double Migration	25.1%	24.5%	24.0%	21.8%	21.2%	20.1%	18.6%
SSP3 - Stalled Development	25.1%	24.9%	25.6%	24.6%	25.3%	25.3%	25.3%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	45.0%	48.4%	54.8%	66.8%	71.2%	76.1%	80.9%
SSP2 - CEPAM Zero Migration	45.0%	50.3%	57.2%	66.5%	70.0%	74.5%	79.2%
SSP2 - CEPAM Medium	45.0%	48.4%	54.3%	63.1%	66.6%	71.3%	76.7%
SSP2 - CEPAM Double Migration	45.0%	46.8%	52.1%	61.0%	64.8%	69.8%	75.6%
SSP3 - Stalled Development	45.0%	41.1%	40.6%	40.2%	40.7%	40.1%	40.2%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	13.1	13.3	13.6	14.2	14.5	14.9	15.3
SSP2 - CEPAM Zero Migration	13.1	13.4	13.8	14.5	14.8	15.1	15.4
SSP2 - CEPAM Medium	13.1	13.3	13.6	14.1	14.4	14.7	15.0
SSP2 - CEPAM Double Migration	13.1	13.2	13.4	13.8	14.1	14.4	14.9
SSP3 - Stalled Development	13.1	13.2	13.6	14.1	14.3	14.4	14.4

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.75	1.61	1.44	1.34	1.34	1.34	1.34
SSP2 - CEPAM Zero Migration	1.87	1.86	1.84	1.80	1.79	1.79	1.78
SSP2 - CEPAM Medium	1.88	1.86	1.84	1.80	1.79	1.79	1.78
SSP2 - CEPAM Double Migration	1.88	1.87	1.84	1.80	1.80	1.79	1.78
SSP3 - Stalled Development	2.01	2.14	2.27	2.33	2.33	2.33	2.33
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	85.5	87.1	90.3	96.6	99.7	104.5	108.1
SSP2 - CEPAM Zero Migration	85.0	86.1	88.3	92.7	94.9	98.2	102.5
SSP2 - CEPAM Medium	85.0	86.1	88.3	92.6	94.7	98.0	102.3
SSP2 - CEPAM Double Migration	85.0	86.1	88.2	92.5	94.6	97.8	102.2
SSP3 - Stalled Development	84.5	85.1	86.3	88.6	89.8	91.5	93.8
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	542.3	571.6	610.6	650.8	644.4	608.4	528.0
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	541.8	574.4	630.6	708.3	722.8	715.8	663.5
SSP2 - CEPAM Double Migration	1083.6	1133.2	1208.7	1281.6	1267.2	1192.3	1023.2
SSP3 - Stalled Development	361.0	194.1	0.6	0.8	0.9	1.0	1.1

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	37.4	38.4	40.9	44.1	45.4	47.6	49.8
Proportion age 65+	15.0%	16.5%	20.0%	24.8%	27.5%	29.8%	33.5%
Proportion RLE < 15 years	6.5%	6.4%	7.5%	9.4%	9.6%	10.2%	9.7%

Azerbaijan

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	9.62	10.02	10.46	10.53	10.46	10.19
Proportion age 65+	5.7%	6.8%	11.9%	15.0%	18.2%	23.4%
Proportion below age 20	30.4%	29.5%	27.8%	22.8%	21.6%	21.1%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	1.96	1.91	1.73	1.70	1.69	1.70
Life expectancy at birth (in years)						
Male	69.1	70.1	72.2	74.3	76.4	77.4
Female	75.2	76.2	78.1	80.0	81.9	83.9
Five-year net-migration flow (in thousands)	-47.9	-48.9	-47.7	-43.5	-39.3	-36.9

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	0.3%	0.2%	0.2%	0.2%	0.2%	0.2%
E2 - incomplete primary	0.5%	0.3%	0.2%	0.1%	0.1%	0.1%
E3 - primary	1.8%	1.3%	0.7%	0.4%	0.4%	0.3%
E4 - lower secondary	10.9%	9.9%	8.3%	6.6%	5.0%	3.8%
E5 - upper secondary	70.7%	71.8%	72.9%	73.0%	72.0%	70.3%
E6 - post-secondary	15.8%	16.5%	17.7%	19.7%	22.2%	25.2%
Mean years of schooling (in years)	10.6	10.8	11.1	11.4	11.6	11.8
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.43	0.51	0.62	0.65	0.64	0.61
E2 - incomplete primary	0.32	0.34	0.47	0.64	0.75	0.78
E3 - primary	0.40	0.40	0.47	0.62	0.75	0.82
E4 - lower secondary	1.13	1.15	1.19	1.21	1.22	1.25
E5 - upper secondary	0.93	0.93	0.94	0.96	0.98	1.01
E6 - post-secondary	1.44	1.36	1.24	1.13	1.03	0.96
Mean years of schooling (male minus female)	0.2	0.2	0.1	0.1	0.0	0.0
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
E2 - incomplete primary	0.0%	0.0%	0.1%	0.1%	0.0%	0.0%
E3 - primary	0.4%	0.3%	0.1%	0.1%	0.1%	0.1%
E4 - lower secondary	8.0%	6.6%	4.0%	2.3%	1.5%	1.0%
E5 - upper secondary	75.5%	75.1%	75.5%	73.4%	70.2%	66.4%
E6 - post-secondary	16.0%	17.7%	20.2%	23.9%	28.0%	32.4%
Mean years of schooling (in years)	11.4	11.5	11.7	11.9	12.2	12.4

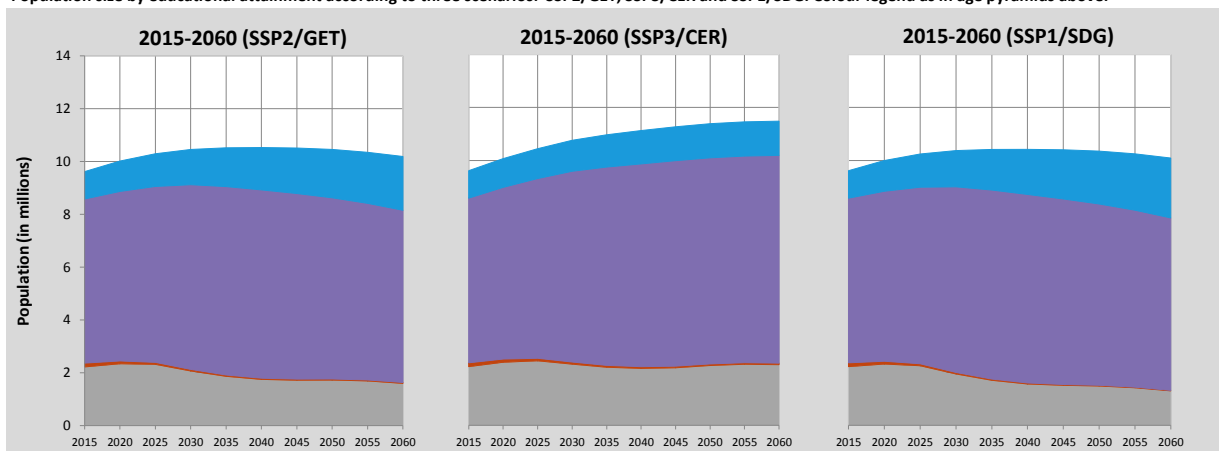
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

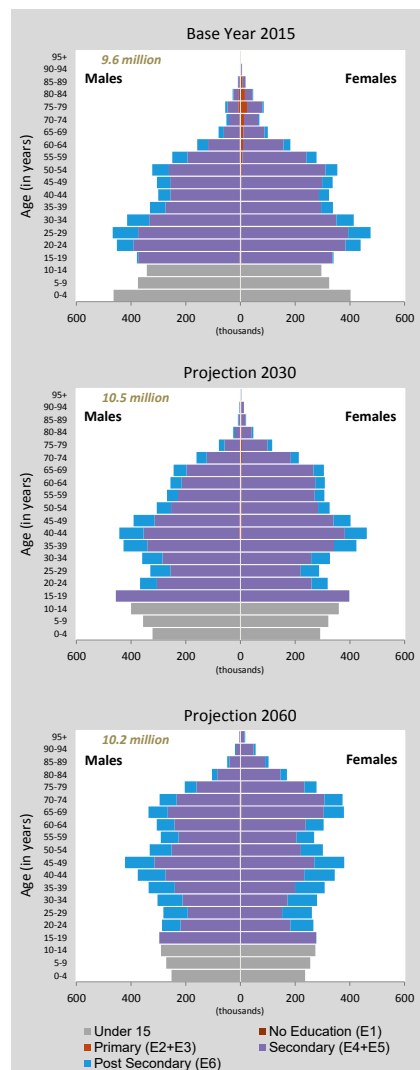
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

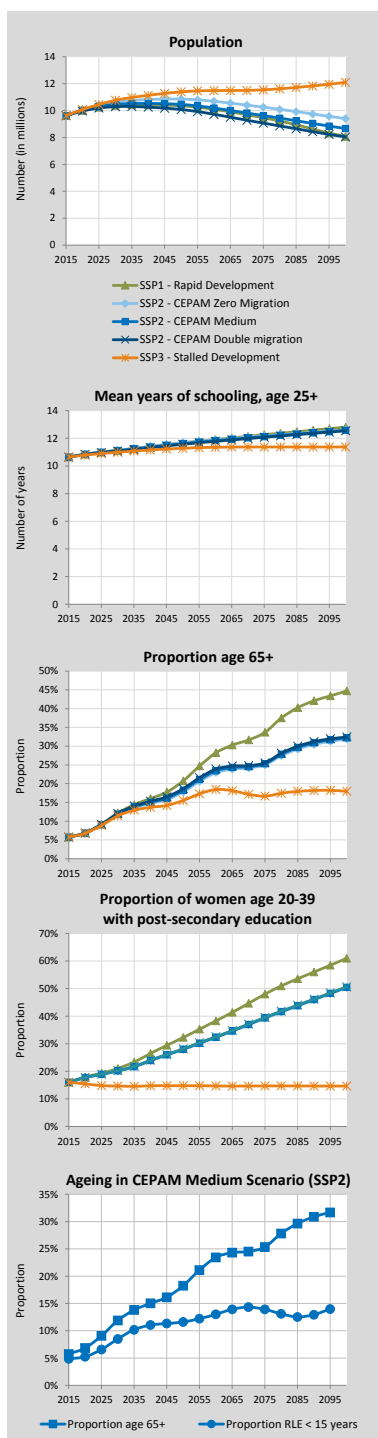
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



Azerbaijan (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)	2015 2020 2030 2050 2060 2075 2100						
	Population (in millions)						
SSP1 - Rapid Development	9.62	10.00	10.37	10.36	10.09	9.47	8.08
SSP2 - CEPAM Zero Migration	9.62	10.07	10.62	10.85	10.69	10.25	9.40
SSP2 - CEPAM Medium	9.62	10.02	10.46	10.46	10.19	9.63	8.66
SSP2 - CEPAM Double Migration	9.62	9.97	10.29	10.08	9.72	9.07	8.04
SSP3 - Stalled Development	9.62	10.07	10.76	11.39	11.49	11.54	12.10
Proportion age 65+							
SSP1 - Rapid Development	5.7%	6.9%	12.2%	20.8%	28.2%	33.7%	44.7%
SSP2 - CEPAM Zero Migration	5.7%	6.8%	11.7%	17.8%	22.9%	25.0%	31.9%
SSP2 - CEPAM Medium	5.7%	6.8%	11.9%	18.2%	23.4%	25.3%	32.2%
SSP2 - CEPAM Double Migration	5.7%	6.9%	12.0%	18.7%	23.9%	25.6%	32.4%
SSP3 - Stalled Development	5.7%	6.8%	11.4%	15.5%	18.4%	16.7%	18.0%
Proportion below age 20							
SSP1 - Rapid Development	30.4%	29.4%	26.8%	19.0%	17.7%	14.9%	13.0%
SSP2 - CEPAM Zero Migration	30.4%	29.5%	27.7%	21.6%	21.1%	19.2%	18.0%
SSP2 - CEPAM Medium	30.4%	29.5%	27.8%	21.6%	21.1%	19.2%	18.1%
SSP2 - CEPAM Double Migration	30.4%	29.6%	27.8%	21.6%	21.2%	19.2%	18.2%
SSP3 - Stalled Development	30.4%	29.8%	29.3%	25.8%	26.5%	26.2%	26.9%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	16.0%	18.0%	21.0%	32.3%	38.3%	48.0%	61.0%
SSP2 - CEPAM Zero Migration	16.0%	17.7%	20.1%	27.9%	32.3%	39.3%	50.4%
SSP2 - CEPAM Medium	16.0%	17.7%	20.2%	28.0%	32.4%	39.4%	50.5%
SSP2 - CEPAM Double Migration	16.0%	17.8%	20.3%	28.1%	32.5%	39.6%	50.6%
SSP3 - Stalled Development	16.0%	15.5%	14.7%	14.8%	14.7%	14.7%	14.7%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	10.6	10.8	11.1	11.7	11.9	12.3	12.8
SSP2 - CEPAM Zero Migration	10.6	10.9	11.1	11.7	11.9	12.2	12.6
SSP2 - CEPAM Medium	10.6	10.8	11.1	11.6	11.8	12.1	12.6
SSP2 - CEPAM Double Migration	10.6	10.8	11.1	11.6	11.8	12.1	12.5
SSP3 - Stalled Development	10.6	10.8	11.0	11.3	11.4	11.4	11.4

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.90	1.78	1.54	1.48	1.48	1.48	1.49
SSP2 - CEPAM Zero Migration	1.97	1.91	1.73	1.69	1.70	1.71	1.72
SSP2 - CEPAM Medium	1.96	1.91	1.73	1.69	1.70	1.71	1.72
SSP2 - CEPAM Double Migration	1.96	1.90	1.73	1.69	1.70	1.71	1.72
SSP3 - Stalled Development	2.08	2.12	2.11	2.15	2.17	2.20	2.24
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	75.7	77.2	80.1	85.9	88.9	93.3	99.1
SSP2 - CEPAM Zero Migration	75.2	76.2	78.1	82.0	83.9	86.8	90.6
SSP2 - CEPAM Medium	75.2	76.2	78.1	81.9	83.9	86.7	90.6
SSP2 - CEPAM Double Migration	75.2	76.2	78.1	81.9	83.8	86.7	90.6
SSP3 - Stalled Development	74.7	75.1	76.0	77.8	78.7	80.1	81.9
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-47.9	-49.0	-48.6	-43.4	-40.2	-35.0	-28.5
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-47.9	-48.9	-47.7	-39.3	-34.4	-27.5	-21.2
SSP2 - CEPAM Double Migration	-95.8	-97.1	-92.9	-73.0	-62.2	-47.2	-33.8
SSP3 - Stalled Development	-31.9	-16.4	0.0	0.0	0.0	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	30.3	32.5	37.0	41.2	44.3	47.4	49.5
Proportion age 65+	5.7%	6.8%	11.9%	18.2%	23.4%	25.3%	31.7%
Proportion RLE < 15 years	5.0%	5.0%	7.8%	11.7%	12.7%	14.7%	13.7%

Bahamas

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	0.39	0.41	0.45	0.48	0.50	0.52
Proportion age 65+	8.3%	10.1%	14.9%	18.8%	21.8%	25.6%
Proportion below age 20	28.6%	26.7%	25.4%	23.0%	21.3%	20.6%
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	1.76	1.78	1.71	1.70	1.67	1.66
Life expectancy at birth (in years)						
Male	72.8	73.9	76.0	78.1	80.2	81.3
Female	78.8	79.9	81.9	84.1	86.2	88.3
Five-year net-migration flow (in thousands)	6.1	6.4	7.1	7.7	8.2	8.4

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	1.8%	1.9%	1.7%	1.6%	1.4%	1.2%
E2 - incomplete primary	2.4%	1.9%	1.2%	0.8%	0.7%	0.6%
E3 - primary	4.9%	4.1%	3.0%	2.2%	1.8%	1.6%
E4 - lower secondary	6.6%	6.1%	5.1%	4.3%	3.6%	3.2%
E5 - upper secondary	51.6%	52.0%	52.4%	51.7%	50.0%	47.4%
E6 - post-secondary	32.6%	34.0%	36.7%	39.5%	42.6%	46.1%
Mean years of schooling (in years)	12.5	12.7	12.9	13.2	13.4	13.6
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	1.08	1.02	0.94	0.89	0.85	0.81
E2 - incomplete primary	0.77	0.82	0.94	1.08	1.15	1.11
E3 - primary	0.97	0.99	1.03	1.09	1.12	1.12
E4 - lower secondary	1.15	1.17	1.21	1.24	1.25	1.24
E5 - upper secondary	1.15	1.16	1.17	1.19	1.22	1.26
E6 - post-secondary	0.79	0.78	0.78	0.77	0.77	0.77
Mean years of schooling (male minus female)	-0.1	-0.1	-0.2	-0.2	-0.2	-0.2
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	0.6%	0.9%	0.7%	0.5%	0.4%	0.3%
E2 - incomplete primary	0.1%	0.3%	0.3%	0.3%	0.2%	0.2%
E3 - primary	1.0%	1.1%	0.9%	0.7%	0.6%	0.5%
E4 - lower secondary	3.2%	3.1%	2.3%	1.7%	1.3%	1.1%
E5 - upper secondary	61.6%	58.7%	55.1%	51.4%	47.4%	43.3%
E6 - post-secondary	33.4%	35.9%	40.6%	45.3%	50.1%	54.6%
Mean years of schooling (in years)	13.5	13.5	13.7	14.0	14.2	14.4

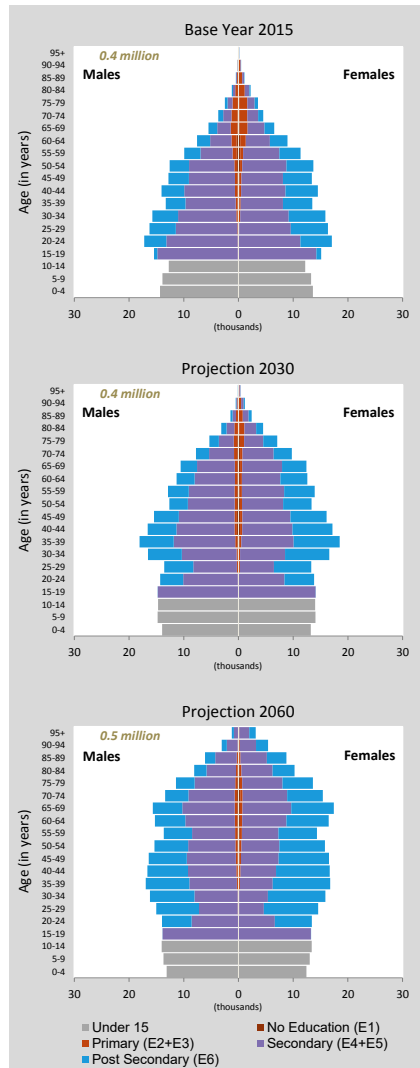
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

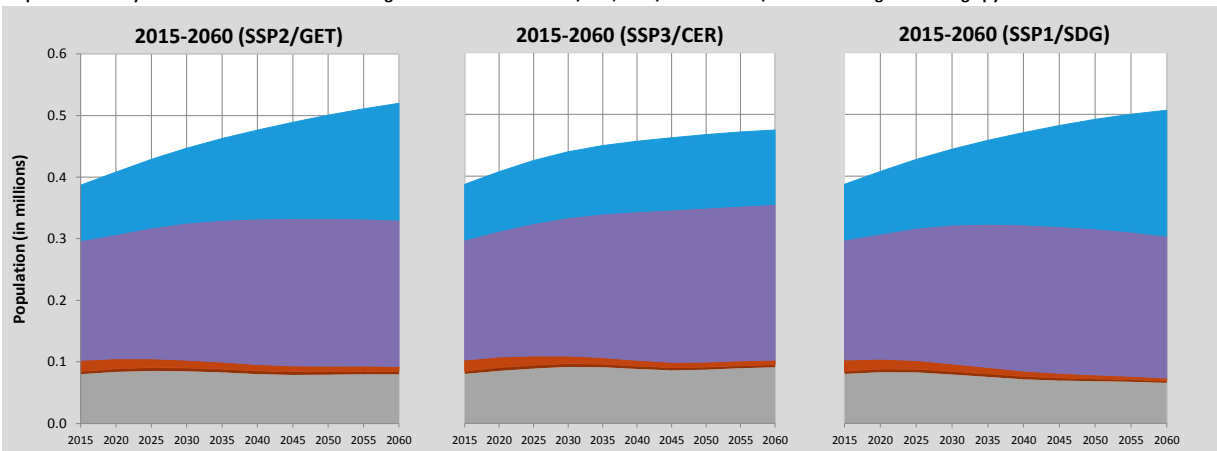
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

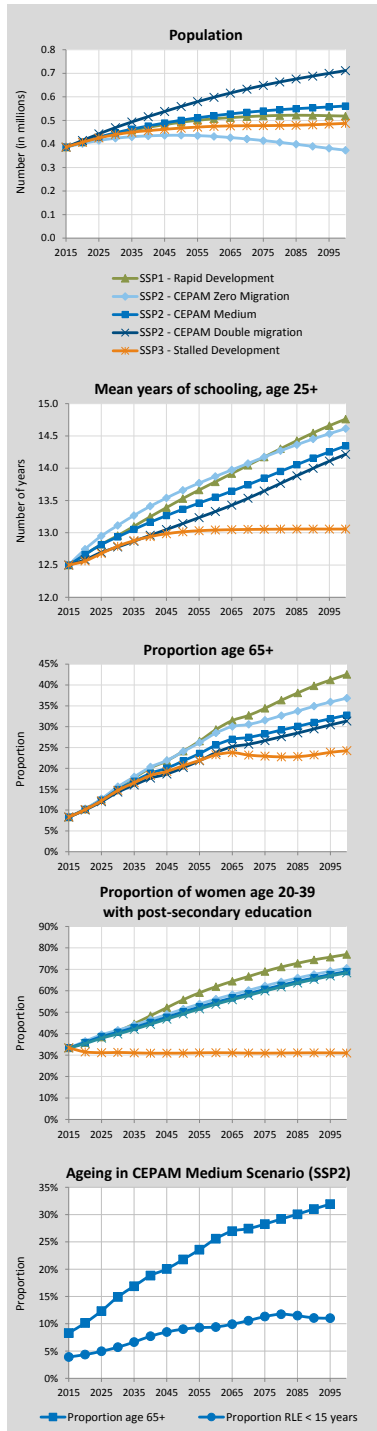
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Bahamas (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	0.39	0.41	0.44	0.49	0.51	0.52	0.52
SSP2 - CEPAM Zero Migration	0.39	0.40	0.42	0.44	0.43	0.41	0.37
SSP2 - CEPAM Medium	0.39	0.41	0.45	0.50	0.52	0.54	0.56
SSP2 - CEPAM Double Migration	0.39	0.41	0.47	0.56	0.60	0.65	0.71
SSP3 - Stalled Development	0.39	0.41	0.44	0.47	0.47	0.48	0.49
Proportion age 65+							
SSP1 - Rapid Development	8.3%	10.2%	15.4%	24.1%	29.3%	34.4%	42.5%
SSP2 - CEPAM Zero Migration	8.3%	10.3%	15.6%	24.1%	28.5%	31.5%	36.8%
SSP2 - CEPAM Medium	8.3%	10.1%	14.9%	21.8%	25.6%	28.3%	32.8%
SSP2 - CEPAM Double Migration	8.3%	10.0%	14.3%	20.2%	23.8%	26.6%	31.3%
SSP3 - Stalled Development	8.3%	10.1%	14.7%	20.7%	23.3%	22.9%	24.2%
Proportion below age 20							
SSP1 - Rapid Development	28.6%	26.5%	24.3%	18.8%	17.6%	15.4%	13.3%
SSP2 - CEPAM Zero Migration	28.6%	26.7%	25.2%	20.6%	19.8%	17.9%	16.3%
SSP2 - CEPAM Medium	28.6%	26.7%	25.4%	21.3%	20.6%	18.9%	17.4%
SSP2 - CEPAM Double Migration	28.6%	26.6%	25.6%	21.8%	21.0%	19.5%	17.9%
SSP3 - Stalled Development	28.6%	27.0%	27.2%	24.8%	25.2%	24.6%	24.1%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	33.4%	35.8%	41.1%	55.8%	61.9%	69.0%	77.0%
SSP2 - CEPAM Zero Migration	33.4%	36.5%	41.6%	51.5%	56.1%	62.3%	70.5%
SSP2 - CEPAM Medium	33.4%	35.9%	40.6%	50.1%	54.6%	60.7%	69.0%
SSP2 - CEPAM Double Migration	33.4%	35.3%	39.8%	49.2%	53.8%	59.9%	68.4%
SSP3 - Stalled Development	33.4%	31.5%	31.3%	30.9%	31.1%	30.9%	31.0%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	12.5	12.7	13.0	13.5	13.8	14.2	14.8
SSP2 - CEPAM Zero Migration	12.5	12.7	13.1	13.7	13.9	14.2	14.6
SSP2 - CEPAM Medium	12.5	12.7	12.9	13.4	13.6	13.8	14.3
SSP2 - CEPAM Double Migration	12.5	12.6	12.8	13.1	13.3	13.6	14.2
SSP3 - Stalled Development	12.5	12.6	12.8	13.0	13.0	13.1	13.1

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.70	1.66	1.51	1.45	1.43	1.40	1.39
SSP2 - CEPAM Zero Migration	1.76	1.77	1.70	1.67	1.64	1.60	1.59
SSP2 - CEPAM Medium	1.76	1.78	1.71	1.67	1.64	1.60	1.60
SSP2 - CEPAM Double Migration	1.77	1.79	1.71	1.67	1.64	1.60	1.60
SSP3 - Stalled Development	1.87	1.97	2.08	2.12	2.09	2.06	2.07
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	79.3	80.9	84.0	90.2	93.3	97.9	104.1
SSP2 - CEPAM Zero Migration	78.8	79.9	82.0	86.3	88.4	91.5	95.7
SSP2 - CEPAM Medium	78.8	79.9	81.9	86.2	88.3	91.4	95.6
SSP2 - CEPAM Double Migration	78.8	79.8	81.9	86.1	88.2	91.3	95.5
SSP3 - Stalled Development	78.3	78.8	79.9	82.1	83.2	84.8	86.9
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	6.1	6.4	6.8	7.3	7.3	6.9	6.0
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	6.1	6.4	7.1	8.2	8.5	8.6	8.3
SSP2 - CEPAM Double Migration	12.1	12.7	13.6	14.9	15.0	14.6	13.3
SSP3 - Stalled Development	4.0	2.2	0.0	0.0	0.0	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	32.5	34.3	38.0	42.9	44.5	47.2	49.4
Proportion age 65+	8.3%	10.1%	14.9%	21.8%	25.6%	28.3%	31.9%
Proportion RLE < 15 years	4.0%	4.3%	5.5%	9.1%	9.5%	11.4%	11.1%

Bahrain

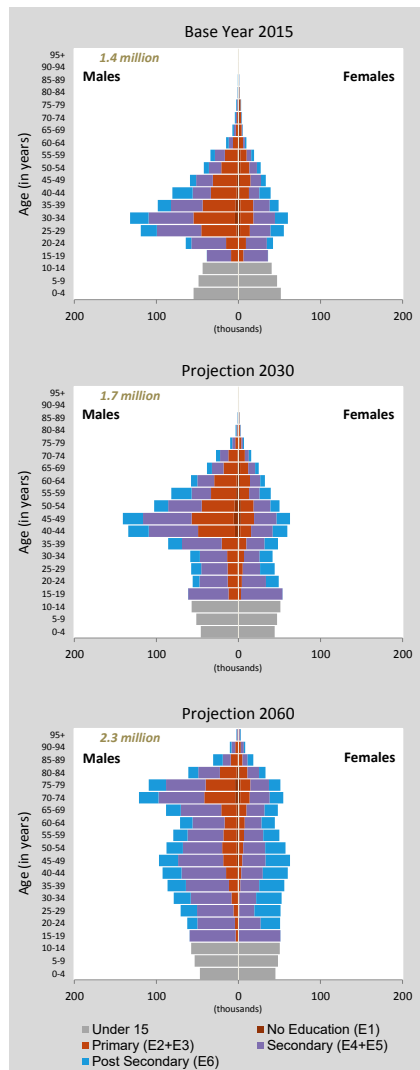
Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	1.37	1.51	1.75	1.96	2.15	2.26
Proportion age 65+	2.3%	3.2%	7.6%	13.8%	23.1%	28.3%
Proportion below age 20	26.3%	26.3%	23.6%	20.1%	19.2%	18.2%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	2.04	1.99	1.92	1.86	1.80	1.74
Life expectancy at birth (in years)						
Male	76.2	77.2	79.2	81.3	83.2	84.2
Female	78.2	79.2	81.3	83.4	85.5	87.6
Five-year net-migration flow (in thousands)	50.5	52.8	57.0	60.4	63.2	64.3

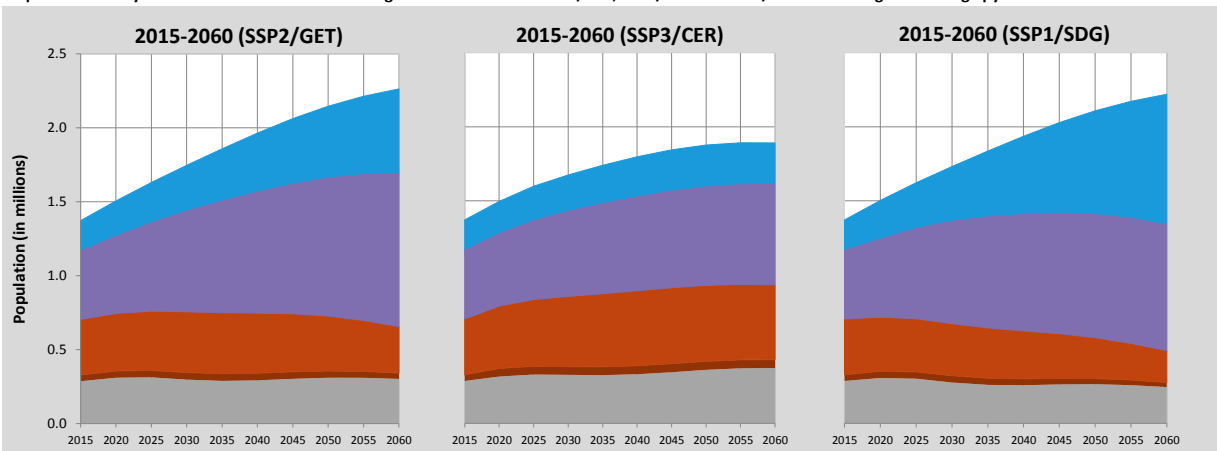
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	4.6%	4.3%	3.8%	3.3%	2.8%	2.3%
E2 - incomplete primary	23.0%	19.8%	16.3%	13.3%	10.3%	7.5%
E3 - primary	14.3%	15.0%	14.6%	13.2%	11.8%	10.1%
E4 - lower secondary	14.4%	15.2%	16.1%	16.4%	16.3%	15.9%
E5 - upper secondary	23.4%	24.6%	26.6%	28.9%	31.3%	33.7%
E6 - post-secondary	20.3%	21.1%	22.6%	24.9%	27.6%	30.5%
Mean years of schooling (in years)	9.1	9.3	9.7	10.1	10.5	11.0
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.42	0.53	0.72	0.90	1.04	1.12
E2 - incomplete primary	0.96	1.00	1.08	1.21	1.34	1.49
E3 - primary	2.33	1.84	1.76	1.86	1.95	2.00
E4 - lower secondary	1.13	1.21	1.27	1.34	1.48	1.67
E5 - upper secondary	0.95	0.94	0.94	0.96	1.01	1.09
E6 - post-secondary	0.78	0.74	0.67	0.61	0.57	0.54
Mean years of schooling (male minus female)	-0.1	-0.2	-0.5	-0.7	-0.8	-0.8
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	2.8%	2.5%	1.4%	1.2%	0.8%	0.5%
E2 - incomplete primary	14.8%	10.9%	5.2%	6.3%	4.6%	2.6%
E3 - primary	17.6%	17.6%	13.0%	7.7%	5.4%	3.9%
E4 - lower secondary	15.6%	15.6%	19.0%	16.9%	15.3%	13.4%
E5 - upper secondary	30.6%	32.2%	35.4%	37.6%	39.7%	41.7%
E6 - post-secondary	18.6%	21.2%	26.0%	30.2%	34.2%	37.8%
Mean years of schooling (in years)	10.2	10.7	11.7	12.3	12.8	13.2

Education scenarios
 SSP2/GET: Global Education Trend Scenario (Medium assumption)
 SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)
 SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

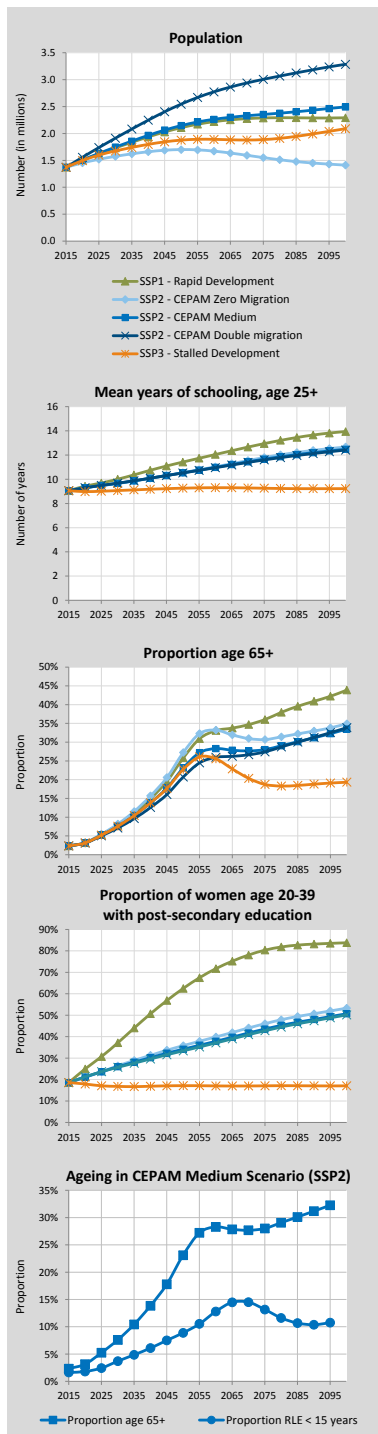
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Bahrain (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)

	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	1.37	1.50	1.73	2.11	2.22	2.29	2.29
SSP2 - CEPAM Zero Migration	1.37	1.45	1.57	1.70	1.67	1.55	1.41
SSP2 - CEPAM Medium	1.37	1.51	1.75	2.15	2.26	2.35	2.49
SSP2 - CEPAM Double Migration	1.37	1.56	1.91	2.54	2.77	3.01	3.29
SSP3 - Stalled Development	1.37	1.50	1.67	1.88	1.89	1.89	2.09
Proportion age 65+							
SSP1 - Rapid Development	2.3%	3.2%	7.9%	25.8%	33.1%	36.0%	43.9%
SSP2 - CEPAM Zero Migration	2.3%	3.2%	8.2%	27.2%	33.2%	30.7%	34.9%
SSP2 - CEPAM Medium	2.3%	3.2%	7.6%	23.1%	28.3%	28.0%	33.5%
SSP2 - CEPAM Double Migration	2.3%	3.1%	7.1%	20.7%	26.0%	27.4%	33.9%
SSP3 - Stalled Development	2.3%	3.1%	7.6%	22.7%	25.6%	18.7%	19.3%
Proportion below age 20							
SSP1 - Rapid Development	26.3%	26.1%	22.6%	16.8%	15.3%	13.1%	10.9%
SSP2 - CEPAM Zero Migration	26.3%	26.5%	23.9%	20.0%	19.4%	18.4%	16.5%
SSP2 - CEPAM Medium	26.3%	26.3%	23.6%	19.2%	18.2%	16.7%	14.5%
SSP2 - CEPAM Double Migration	26.3%	26.1%	23.3%	18.6%	17.4%	15.8%	13.6%
SSP3 - Stalled Development	26.3%	26.8%	26.1%	25.0%	26.2%	27.3%	26.7%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	18.6%	25.0%	37.2%	62.5%	71.7%	80.4%	83.8%
SSP2 - CEPAM Zero Migration	18.6%	21.1%	26.4%	35.8%	39.9%	46.0%	53.3%
SSP2 - CEPAM Medium	18.6%	21.2%	26.0%	34.2%	37.8%	43.6%	50.7%
SSP2 - CEPAM Double Migration	18.6%	21.3%	25.7%	33.4%	37.1%	42.7%	50.1%
SSP3 - Stalled Development	18.6%	17.9%	16.8%	17.1%	17.0%	17.1%	17.1%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	9.1	9.4	10.0	11.4	12.0	12.9	13.9
SSP2 - CEPAM Zero Migration	9.1	9.3	9.6	10.5	11.0	11.8	12.7
SSP2 - CEPAM Medium	9.1	9.3	9.7	10.5	11.0	11.7	12.5
SSP2 - CEPAM Double Migration	9.1	9.3	9.7	10.5	11.0	11.6	12.4
SSP3 - Stalled Development	9.1	9.0	9.1	9.3	9.3	9.3	9.2

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.96	1.83	1.69	1.56	1.49	1.42	1.37
SSP2 - CEPAM Zero Migration	2.04	1.98	1.91	1.80	1.72	1.64	1.57
SSP2 - CEPAM Medium	2.04	1.99	1.92	1.80	1.72	1.64	1.57
SSP2 - CEPAM Double Migration	2.05	1.99	1.92	1.80	1.72	1.64	1.57
SSP3 - Stalled Development	2.24	2.38	2.44	2.37	2.30	2.25	2.24
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	78.7	80.2	83.3	89.5	92.6	97.3	103.6
SSP2 - CEPAM Zero Migration	78.2	79.2	81.3	85.5	87.6	90.7	94.9
SSP2 - CEPAM Medium	78.2	79.2	81.3	85.5	87.6	90.6	94.8
SSP2 - CEPAM Double Migration	78.2	79.2	81.3	85.4	87.5	90.6	94.7
SSP3 - Stalled Development	77.7	78.2	79.2	81.2	82.1	83.3	85.2
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	50.5	52.5	54.9	56.8	56.2	53.8	46.9
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	50.5	52.8	57.0	63.2	65.3	66.4	63.5
SSP2 - CEPAM Double Migration	100.9	103.7	108.1	112.6	113.0	111.0	101.5
SSP3 - Stalled Development	33.6	17.8	0.1	0.1	0.1	0.1	0.1

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	31.2	34.4	40.5	45.0	46.8	48.4	51.1
Proportion age 65+	2.3%	3.2%	7.6%	23.1%	28.3%	28.0%	32.3%
Proportion RLE < 15 years	2.0%	2.0%	3.1%	7.1%	9.5%	10.8%	9.8%

Bangladesh

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	161.20	171.05	187.60	198.69	203.58	202.78
Proportion age 65+	5.0%	5.3%	7.7%	11.3%	15.9%	20.8%
Proportion below age 20	39.4%	36.3%	31.0%	27.2%	23.9%	21.2%
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	2.10	1.99	1.86	1.69	1.61	1.60
Life expectancy at birth (in years)						
Male	71.3	72.3	74.3	76.2	78.2	79.1
Female	74.7	75.7	77.7	79.7	81.7	83.7
Five-year net-migration flow (in thousands)	-1302.3	-1379.7	-1504.8	-1580.2	-1601.5	-1594.1

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	39.5%	34.3%	26.6%	21.0%	16.0%	11.8%
E2 - incomplete primary	10.1%	10.1%	9.5%	8.5%	7.3%	6.1%
E3 - primary	19.4%	20.2%	20.4%	19.6%	18.2%	16.3%
E4 - lower secondary	13.2%	14.9%	17.2%	18.5%	19.3%	19.4%
E5 - upper secondary	12.5%	14.3%	18.2%	22.3%	26.5%	30.7%
E6 - post-secondary	5.3%	6.3%	8.1%	10.2%	12.7%	15.7%
Mean years of schooling (in years)	5.0	5.5	6.4	7.3	8.1	8.9
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.78	0.80	0.84	0.86	0.88	0.91
E2 - incomplete primary	1.00	1.07	1.12	1.11	1.11	1.11
E3 - primary	0.97	0.96	0.95	0.94	0.94	0.94
E4 - lower secondary	1.06	0.94	0.88	0.91	0.93	0.97
E5 - upper secondary	1.50	1.35	1.15	1.04	0.97	0.93
E6 - post-secondary	2.36	2.08	1.75	1.57	1.43	1.32
Mean years of schooling (male minus female)	0.7	0.6	0.4	0.3	0.2	0.2
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	22.0%	16.7%	11.6%	9.3%	5.4%	2.7%
E2 - incomplete primary	10.1%	9.5%	7.8%	5.5%	3.6%	2.2%
E3 - primary	23.3%	23.2%	19.6%	15.7%	12.2%	8.7%
E4 - lower secondary	19.5%	20.8%	21.8%	20.6%	19.2%	17.2%
E5 - upper secondary	19.0%	22.0%	28.2%	34.4%	40.6%	45.2%
E6 - post-secondary	6.1%	7.8%	11.0%	14.5%	18.9%	24.1%
Mean years of schooling (in years)	6.4	7.2	8.3	9.2	10.3	11.3

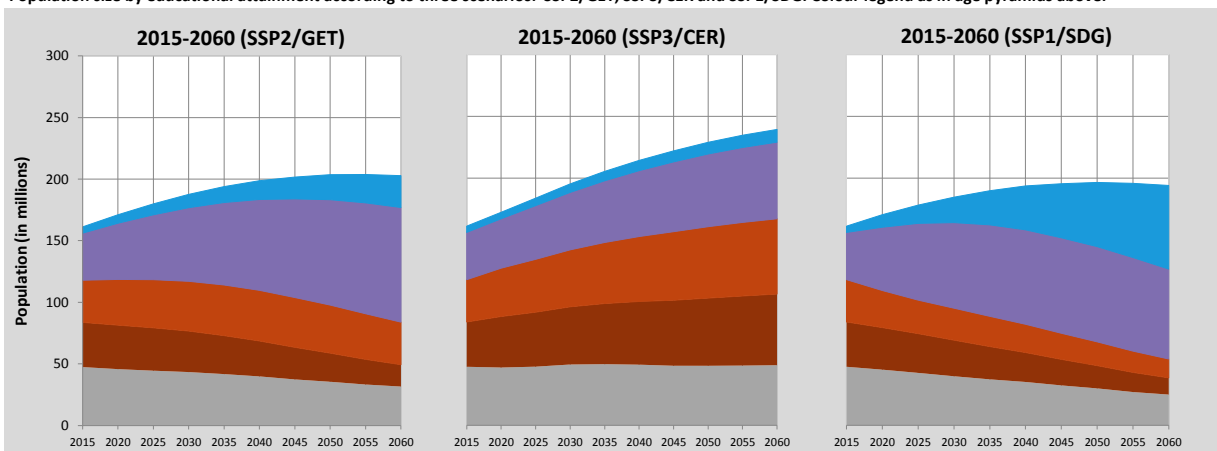
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

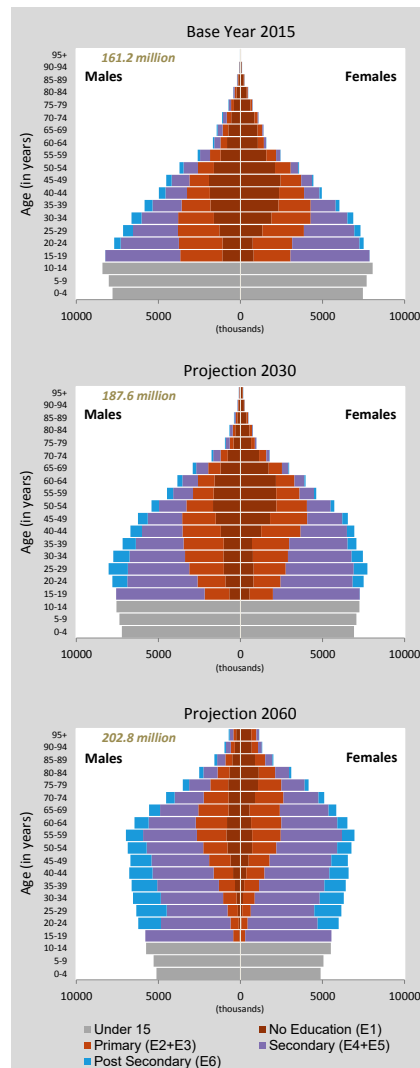
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

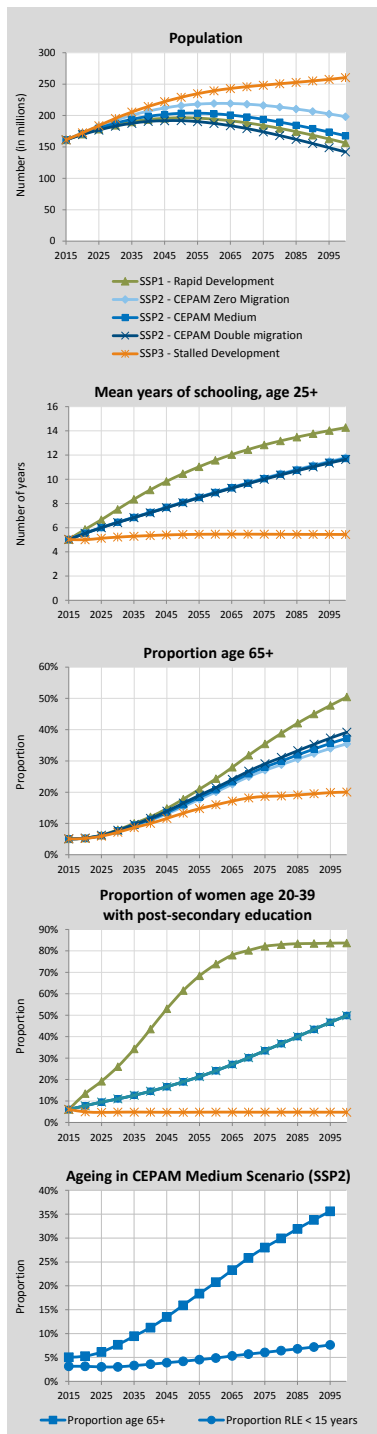
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



Bangladesh (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	161.20	170.47	184.62	196.56	194.12	184.23	156.39
SSP2 - CEPAM Zero Migration	161.20	172.43	192.23	215.92	219.20	216.18	198.26
SSP2 - CEPAM Medium	161.20	171.05	187.60	203.58	202.78	193.98	167.87
SSP2 - CEPAM Double Migration	161.20	169.68	183.06	191.88	187.52	173.99	142.02
SSP3 - Stalled Development	161.20	172.43	195.38	229.02	239.43	248.34	260.41
Proportion age 65+							
SSP1 - Rapid Development	5.0%	5.3%	8.0%	17.8%	24.3%	35.4%	50.4%
SSP2 - CEPAM Zero Migration	5.0%	5.2%	7.5%	15.4%	20.1%	27.0%	35.5%
SSP2 - CEPAM Medium	5.0%	5.3%	7.7%	15.9%	20.8%	28.0%	37.3%
SSP2 - CEPAM Double Migration	5.0%	5.3%	7.8%	16.5%	21.5%	29.1%	39.2%
SSP3 - Stalled Development	5.0%	5.2%	7.2%	13.3%	16.0%	18.6%	20.0%
Proportion below age 20							
SSP1 - Rapid Development	39.4%	36.0%	29.6%	21.1%	17.7%	14.5%	11.1%
SSP2 - CEPAM Zero Migration	39.4%	36.2%	30.9%	23.7%	21.2%	18.7%	16.4%
SSP2 - CEPAM Medium	39.4%	36.3%	31.0%	23.9%	21.2%	18.6%	16.1%
SSP2 - CEPAM Double Migration	39.4%	36.4%	31.2%	24.0%	21.2%	18.5%	15.7%
SSP3 - Stalled Development	39.4%	36.7%	32.9%	28.1%	27.0%	26.1%	26.8%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	6.1%	13.4%	26.0%	61.5%	73.8%	82.2%	83.7%
SSP2 - CEPAM Zero Migration	6.1%	7.8%	10.9%	18.9%	24.1%	33.5%	49.9%
SSP2 - CEPAM Medium	6.1%	7.8%	11.0%	18.9%	24.1%	33.5%	49.9%
SSP2 - CEPAM Double Migration	6.1%	7.8%	11.0%	19.0%	24.1%	33.5%	49.8%
SSP3 - Stalled Development	6.1%	4.9%	4.8%	4.7%	4.8%	4.8%	4.8%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	5.0	5.9	7.5	10.5	11.6	12.8	14.3
SSP2 - CEPAM Zero Migration	5.0	5.5	6.5	8.1	8.9	10.1	11.8
SSP2 - CEPAM Medium	5.0	5.5	6.4	8.1	8.9	10.0	11.7
SSP2 - CEPAM Double Migration	5.0	5.5	6.4	8.1	8.9	10.0	11.6
SSP3 - Stalled Development	5.0	5.0	5.2	5.4	5.5	5.5	5.4

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	2.01	1.80	1.64	1.34	1.34	1.35	1.38
SSP2 - CEPAM Zero Migration	2.10	1.99	1.86	1.61	1.59	1.59	1.61
SSP2 - CEPAM Medium	2.10	1.99	1.86	1.61	1.59	1.59	1.61
SSP2 - CEPAM Double Migration	2.10	1.99	1.86	1.61	1.59	1.59	1.61
SSP3 - Stalled Development	2.25	2.25	2.23	2.13	2.13	2.20	2.34
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	75.2	76.9	80.1	86.2	89.3	94.0	99.8
SSP2 - CEPAM Zero Migration	74.7	75.7	77.7	81.7	83.7	86.7	90.7
SSP2 - CEPAM Medium	74.7	75.7	77.7	81.7	83.7	86.7	90.7
SSP2 - CEPAM Double Migration	74.7	75.7	77.7	81.7	83.7	86.7	90.7
SSP3 - Stalled Development	74.1	74.5	75.3	76.6	77.2	78.1	79.6
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-1303.1	-1377.1	-1485.6	-1561.5	-1531.5	-1439.3	-1254.6
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-1302.3	-1379.7	-1504.8	-1601.5	-1578.1	-1486.6	-1307.2
SSP2 - CEPAM Double Migration	-2604.6	-2735.3	-2930.6	-3002.1	-2895.9	-2634.5	-2194.7
SSP3 - Stalled Development	-868.3	-464.0	-1.6	-1.8	-1.9	-1.9	-2.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	25.6	27.5	31.5	39.5	42.9	47.7	53.1
Proportion age 65+	5.0%	5.3%	7.7%	15.9%	20.8%	28.0%	35.6%
Proportion RLE < 15 years	2.7%	2.7%	2.4%	3.7%	4.4%	5.8%	7.5%

Barbados

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	0.28	0.28	0.27	0.26	0.24	0.23
Proportion age 65+	14.2%	15.4%	20.3%	24.4%	27.6%	29.9%
Proportion below age 20	25.8%	24.9%	21.5%	19.2%	18.1%	16.7%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	1.68	1.58	1.48	1.44	1.44	1.45
Life expectancy at birth (in years)						
Male	73.7	74.9	77.4	79.9	82.3	83.5
Female	78.5	79.7	82.3	84.8	87.3	89.8
Five-year net-migration flow (in thousands)	-4.2	-3.8	-3.0	-2.2	-1.5	-1.1

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	5.0%	3.9%	2.5%	1.8%	1.5%	1.3%
E2 - incomplete primary	3.2%	2.7%	1.8%	1.2%	1.0%	0.8%
E3 - primary	43.4%	39.6%	31.3%	23.2%	16.2%	10.5%
E4 - lower secondary	8.5%	8.9%	9.4%	9.2%	8.6%	7.8%
E5 - upper secondary	23.1%	26.1%	32.2%	37.6%	41.7%	44.4%
E6 - post-secondary	16.8%	18.8%	22.9%	27.0%	31.1%	35.3%
Mean years of schooling (in years)	9.4	9.8	10.5	11.1	11.6	12.0
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	1.10	1.08	1.04	0.97	0.86	0.74
E2 - incomplete primary	1.12	1.15	1.18	1.17	1.10	0.98
E3 - primary	1.12	1.14	1.16	1.18	1.23	1.30
E4 - lower secondary	0.94	0.97	1.01	1.06	1.13	1.22
E5 - upper secondary	0.92	0.95	1.02	1.08	1.12	1.17
E6 - post-secondary	0.81	0.79	0.78	0.76	0.74	0.74
Mean years of schooling (male minus female)	-0.2	-0.2	-0.2	-0.2	-0.1	-0.1
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	1.1%	1.1%	0.7%	0.5%	0.4%	0.3%
E2 - incomplete primary	0.8%	0.7%	0.4%	0.3%	0.2%	0.2%
E3 - primary	20.1%	15.4%	8.6%	4.7%	2.5%	1.4%
E4 - lower secondary	9.2%	9.1%	8.2%	6.5%	4.9%	3.5%
E5 - upper secondary	45.2%	47.5%	50.9%	51.7%	51.0%	49.0%
E6 - post-secondary	23.6%	26.2%	31.3%	36.2%	40.9%	45.6%
Mean years of schooling (in years)	11.7	11.9	12.3	12.6	12.8	13.0

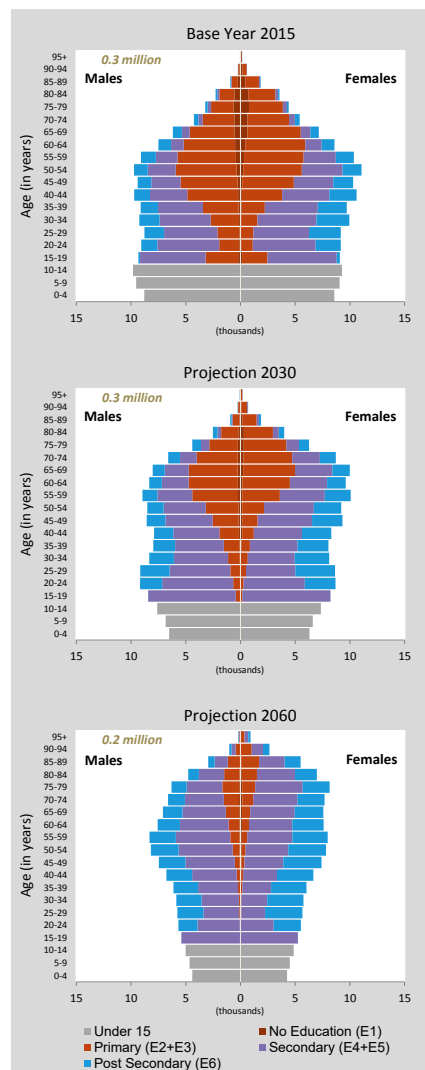
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

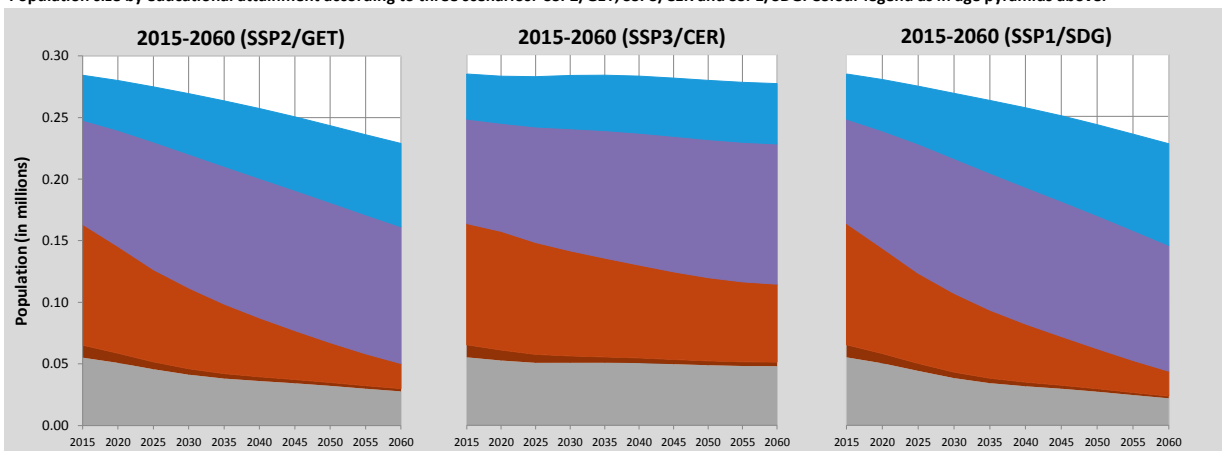
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

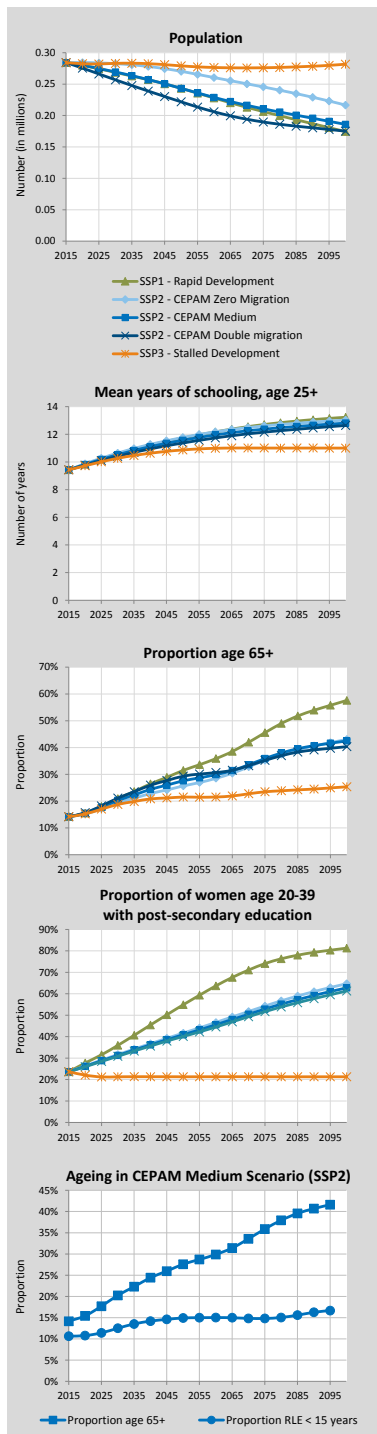
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Barbados (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	0.28	0.28	0.27	0.24	0.23	0.21	0.17
SSP2 - CEPAM Zero Migration	0.28	0.28	0.28	0.27	0.26	0.25	0.22
SSP2 - CEPAM Medium	0.28	0.28	0.27	0.24	0.23	0.21	0.19
SSP2 - CEPAM Double Migration	0.28	0.28	0.26	0.22	0.21	0.19	0.18
SSP3 - Stalled Development	0.28	0.28	0.28	0.28	0.28	0.28	0.28
Proportion age 65+							
SSP1 - Rapid Development	14.2%	15.5%	21.0%	31.5%	35.9%	45.6%	57.6%
SSP2 - CEPAM Zero Migration	14.2%	15.2%	19.4%	25.7%	28.5%	35.2%	43.0%
SSP2 - CEPAM Medium	14.2%	15.4%	20.3%	27.6%	29.9%	35.9%	42.5%
SSP2 - CEPAM Double Migration	14.2%	15.6%	21.1%	29.3%	30.6%	35.2%	40.3%
SSP3 - Stalled Development	14.2%	15.2%	18.8%	21.5%	21.5%	23.5%	25.3%
Proportion below age 20							
SSP1 - Rapid Development	25.8%	24.7%	20.4%	15.5%	13.6%	11.4%	9.3%
SSP2 - CEPAM Zero Migration	25.8%	24.9%	21.7%	18.4%	16.9%	15.4%	13.9%
SSP2 - CEPAM Medium	25.8%	24.9%	21.5%	18.1%	16.7%	15.4%	14.3%
SSP2 - CEPAM Double Migration	25.8%	25.0%	21.3%	17.9%	16.8%	15.8%	15.1%
SSP3 - Stalled Development	25.8%	25.3%	23.9%	23.5%	23.2%	23.3%	23.5%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	23.6%	27.7%	36.0%	54.9%	63.7%	74.1%	81.3%
SSP2 - CEPAM Zero Migration	23.6%	26.4%	31.7%	41.7%	46.7%	54.3%	64.7%
SSP2 - CEPAM Medium	23.6%	26.2%	31.3%	40.9%	45.6%	52.9%	62.8%
SSP2 - CEPAM Double Migration	23.6%	26.0%	30.9%	40.1%	44.5%	51.7%	61.3%
SSP3 - Stalled Development	23.6%	22.1%	21.3%	21.3%	21.3%	21.3%	21.3%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	9.4	9.8	10.6	11.7	12.2	12.7	13.2
SSP2 - CEPAM Zero Migration	9.4	9.9	10.6	11.8	12.2	12.6	13.0
SSP2 - CEPAM Medium	9.4	9.8	10.5	11.6	12.0	12.4	12.8
SSP2 - CEPAM Double Migration	9.4	9.8	10.4	11.4	11.7	12.2	12.6
SSP3 - Stalled Development	9.4	9.7	10.3	10.9	11.0	11.0	11.0

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.62	1.46	1.31	1.25	1.27	1.30	1.34
SSP2 - CEPAM Zero Migration	1.68	1.58	1.48	1.44	1.46	1.50	1.55
SSP2 - CEPAM Medium	1.68	1.58	1.48	1.44	1.46	1.50	1.55
SSP2 - CEPAM Double Migration	1.69	1.59	1.49	1.45	1.47	1.51	1.55
SSP3 - Stalled Development	1.84	1.89	1.92	1.92	1.96	2.04	2.14
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	79.0	80.7	84.3	91.3	94.7	99.9	106.9
SSP2 - CEPAM Zero Migration	78.5	79.8	82.3	87.4	89.9	93.7	98.7
SSP2 - CEPAM Medium	78.5	79.7	82.3	87.3	89.8	93.6	98.5
SSP2 - CEPAM Double Migration	78.5	79.7	82.3	87.3	89.8	93.5	98.4
SSP3 - Stalled Development	77.9	78.7	80.2	83.2	84.7	86.8	89.7
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-4.2	-3.8	-3.2	-1.9	-1.4	-0.9	-0.5
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-4.2	-3.8	-3.0	-1.5	-0.8	-0.1	0.4
SSP2 - CEPAM Double Migration	-8.4	-7.4	-5.3	-1.8	-0.5	0.7	1.2
SSP3 - Stalled Development	-2.8	-1.3	0.0	0.0	0.0	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	38.5	39.8	42.7	47.4	50.4	54.3	57.8
Proportion age 65+	14.2%	15.4%	20.3%	27.6%	29.9%	35.9%	41.6%
Proportion RLE < 15 years	10.4%	10.4%	12.1%	15.4%	15.5%	15.0%	16.0%

Belarus

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	9.48	9.41	9.15	8.85	8.64	8.41
Proportion age 65+	14.3%	15.7%	20.4%	23.0%	26.2%	29.1%
Proportion below age 20	21.0%	22.1%	22.1%	19.1%	19.1%	19.6%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	1.60	1.56	1.55	1.56	1.59	1.60
Life expectancy at birth (in years)						
Male	67.5	68.8	71.3	73.8	76.4	77.6
Female	78.4	79.4	81.5	83.5	85.5	87.5
Five-year net-migration flow (in thousands)	14.5	22.8	39.3	54.5	66.2	70.8

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	0.3%	0.4%	0.6%	0.7%	0.8%	0.8%
E2 - incomplete primary	0.4%	0.3%	0.3%	0.3%	0.4%	0.4%
E3 - primary	5.0%	3.3%	1.4%	0.9%	0.9%	1.0%
E4 - lower secondary	6.1%	5.2%	3.9%	3.0%	2.5%	2.4%
E5 - upper secondary	64.5%	65.5%	65.8%	63.8%	60.7%	57.2%
E6 - post-secondary	23.7%	25.3%	28.1%	31.3%	34.8%	38.3%
Mean years of schooling (in years)	11.0	11.2	11.5	11.8	12.1	12.3
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.54	0.69	0.74	0.68	0.62	0.57
E2 - incomplete primary	0.23	0.40	0.78	0.86	0.82	0.77
E3 - primary	0.45	0.45	0.59	0.88	0.92	0.87
E4 - lower secondary	1.03	1.05	1.18	1.32	1.31	1.19
E5 - upper secondary	1.11	1.10	1.09	1.11	1.16	1.22
E6 - post-secondary	0.90	0.86	0.82	0.79	0.76	0.74
Mean years of schooling (male minus female)	0.1	0.0	0.0	-0.1	-0.1	-0.2
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	0.2%	0.5%	0.5%	0.4%	0.3%	0.3%
E2 - incomplete primary	0.0%	0.2%	0.3%	0.2%	0.2%	0.2%
E3 - primary	0.3%	0.5%	0.6%	0.5%	0.5%	0.5%
E4 - lower secondary	3.3%	2.8%	1.6%	1.1%	1.0%	0.9%
E5 - upper secondary	67.6%	65.1%	63.5%	60.4%	56.5%	52.8%
E6 - post-secondary	28.7%	31.0%	33.5%	37.4%	41.6%	45.4%
Mean years of schooling (in years)	12.3	12.3	12.4	12.6	12.9	13.1

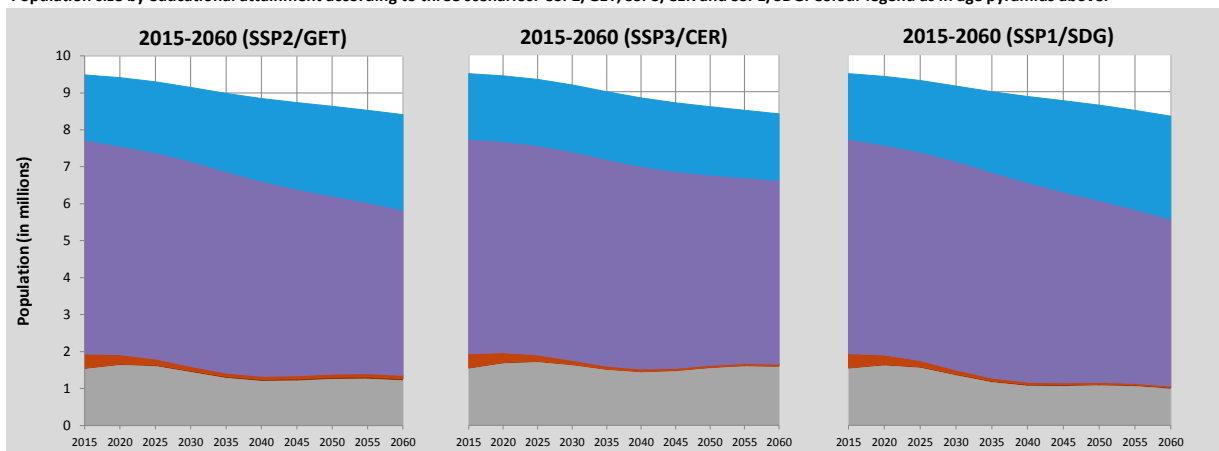
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

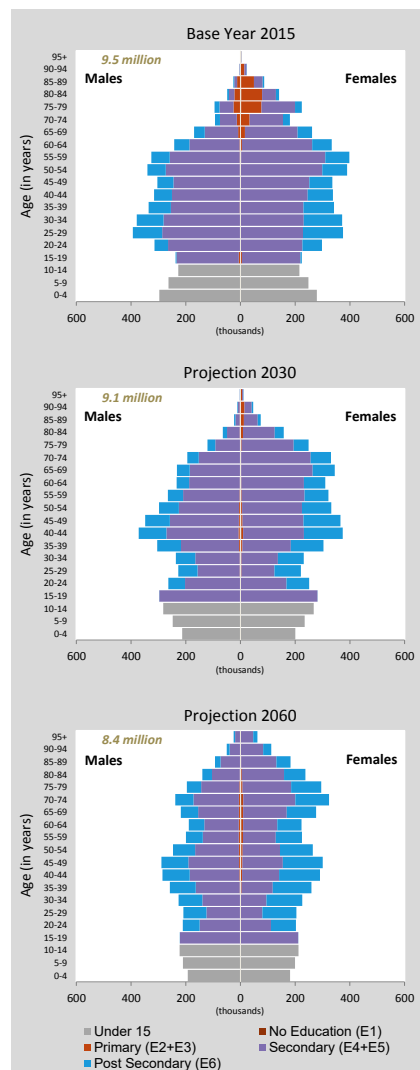
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

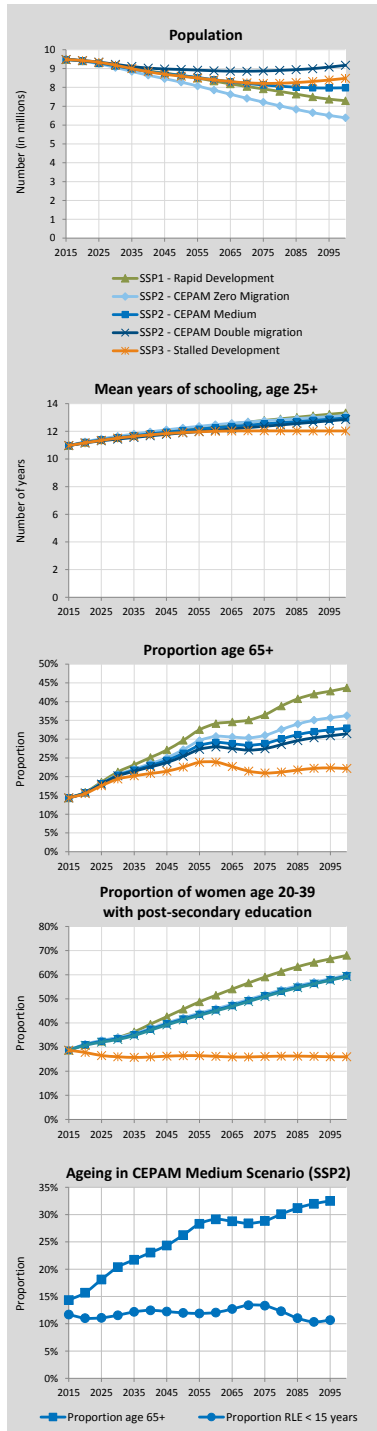
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



Belarus (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	9.48	9.41	9.15	8.64	8.34	7.92	7.29
SSP2 - CEPAM Zero Migration	9.48	9.39	9.06	8.28	7.86	7.22	6.39
SSP2 - CEPAM Medium	9.48	9.41	9.15	8.64	8.41	8.13	7.98
SSP2 - CEPAM Double Migration	9.48	9.43	9.23	8.95	8.88	8.87	9.17
SSP3 - Stalled Development	9.48	9.43	9.18	8.59	8.40	8.21	8.48
Proportion age 65+							
SSP1 - Rapid Development	14.3%	15.8%	21.3%	29.7%	34.1%	36.5%	43.7%
SSP2 - CEPAM Zero Migration	14.3%	15.7%	20.6%	27.2%	30.7%	31.0%	36.3%
SSP2 - CEPAM Medium	14.3%	15.7%	20.4%	26.2%	29.1%	28.8%	33.0%
SSP2 - CEPAM Double Migration	14.3%	15.7%	20.2%	25.4%	27.9%	27.5%	31.4%
SSP3 - Stalled Development	14.3%	15.5%	19.4%	22.6%	23.9%	21.0%	22.2%
Proportion below age 20							
SSP1 - Rapid Development	21.0%	21.9%	21.1%	16.5%	16.4%	14.3%	13.3%
SSP2 - CEPAM Zero Migration	21.0%	22.1%	22.0%	18.6%	19.0%	17.2%	16.6%
SSP2 - CEPAM Medium	21.0%	22.1%	22.1%	19.1%	19.6%	18.2%	17.9%
SSP2 - CEPAM Double Migration	21.0%	22.1%	22.2%	19.5%	20.1%	18.9%	18.5%
SSP3 - Stalled Development	21.0%	22.4%	23.9%	23.3%	25.0%	24.6%	25.4%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	28.7%	31.0%	34.0%	45.7%	51.5%	59.1%	68.0%
SSP2 - CEPAM Zero Migration	28.7%	31.2%	34.0%	42.1%	45.9%	51.8%	59.9%
SSP2 - CEPAM Medium	28.7%	31.0%	33.5%	41.6%	45.4%	51.2%	59.5%
SSP2 - CEPAM Double Migration	28.7%	30.7%	33.1%	41.2%	45.0%	50.9%	59.3%
SSP3 - Stalled Development	28.7%	27.8%	26.0%	26.4%	26.2%	26.1%	26.0%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	11.0	11.2	11.5	12.1	12.4	12.8	13.3
SSP2 - CEPAM Zero Migration	11.0	11.2	11.6	12.2	12.5	12.8	13.1
SSP2 - CEPAM Medium	11.0	11.2	11.5	12.1	12.3	12.5	13.0
SSP2 - CEPAM Double Migration	11.0	11.2	11.4	11.9	12.1	12.4	12.9
SSP3 - Stalled Development	11.0	11.2	11.5	11.9	12.0	12.0	12.0

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.54	1.45	1.38	1.37	1.39	1.41	1.43
SSP2 - CEPAM Zero Migration	1.59	1.56	1.55	1.58	1.60	1.63	1.65
SSP2 - CEPAM Medium	1.60	1.56	1.55	1.59	1.61	1.63	1.65
SSP2 - CEPAM Double Migration	1.60	1.57	1.55	1.59	1.61	1.63	1.65
SSP3 - Stalled Development	1.71	1.79	1.91	2.04	2.09	2.14	2.19
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	78.9	80.4	83.5	89.5	92.5	97.1	103.1
SSP2 - CEPAM Zero Migration	78.4	79.5	81.5	85.6	87.6	90.6	94.6
SSP2 - CEPAM Medium	78.4	79.4	81.5	85.5	87.5	90.5	94.5
SSP2 - CEPAM Double Migration	78.4	79.4	81.4	85.4	87.4	90.4	94.4
SSP3 - Stalled Development	77.9	78.4	79.5	81.5	82.5	83.9	85.9
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	14.4	21.8	34.5	53.5	58.1	60.1	53.7
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	14.5	22.8	39.3	66.2	74.7	82.2	81.0
SSP2 - CEPAM Double Migration	29.0	44.4	74.1	119.1	130.8	137.8	125.4
SSP3 - Stalled Development	9.7	8.0	0.0	0.1	0.1	0.1	0.2

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	39.6	40.3	43.4	45.4	46.5	48.8	49.4
Proportion age 65+	14.3%	15.7%	20.4%	26.2%	29.1%	28.8%	32.5%
Proportion RLE < 15 years	12.0%	11.1%	11.8%	13.7%	13.5%	14.9%	11.5%

Belize

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	0.36	0.39	0.45	0.49	0.53	0.56
Proportion age 65+	3.8%	4.1%	6.0%	8.7%	11.9%	16.4%
Proportion below age 20	43.1%	40.3%	35.8%	31.6%	27.8%	24.9%
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	2.46	2.29	2.09	1.94	1.84	1.80
Life expectancy at birth (in years)						
Male	68.0	69.6	72.7	75.8	79.0	80.5
Female	73.7	75.1	77.9	80.7	83.4	86.2
Five-year net-migration flow (in thousands)	-1.3	-1.5	-2.1	-2.5	-2.8	-3.0

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	5.2%	4.4%	3.1%	2.3%	1.7%	1.2%
E2 - incomplete primary	18.8%	17.2%	14.2%	11.6%	9.1%	7.0%
E3 - primary	31.5%	29.2%	25.3%	21.5%	17.9%	14.7%
E4 - lower secondary	8.5%	9.7%	11.4%	12.8%	13.4%	13.5%
E5 - upper secondary	19.8%	21.7%	24.8%	27.4%	30.1%	32.1%
E6 - post-secondary	16.2%	17.9%	21.2%	24.4%	27.8%	31.4%
Mean years of schooling (in years)	8.3	8.7	9.4	10.0	10.6	11.1
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.98	0.95	0.88	0.84	0.81	0.81
E2 - incomplete primary	0.96	0.97	0.96	0.93	0.92	0.90
E3 - primary	1.08	1.09	1.10	1.11	1.11	1.12
E4 - lower secondary	1.06	1.09	1.13	1.16	1.18	1.20
E5 - upper secondary	0.94	0.95	0.98	1.01	1.05	1.08
E6 - post-secondary	0.94	0.93	0.90	0.88	0.86	0.84
Mean years of schooling (male minus female)	0.0	0.0	0.0	0.0	-0.1	-0.1
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	1.9%	1.5%	1.0%	0.9%	0.5%	0.3%
E2 - incomplete primary	15.1%	13.0%	9.4%	6.3%	3.9%	2.2%
E3 - primary	25.8%	23.2%	18.7%	14.2%	10.3%	7.2%
E4 - lower secondary	11.7%	12.8%	14.3%	14.8%	13.9%	12.4%
E5 - upper secondary	27.4%	29.3%	32.1%	35.3%	38.2%	39.7%
E6 - post-secondary	18.1%	20.3%	24.4%	28.6%	33.2%	38.2%
Mean years of schooling (in years)	9.5	10.0	10.6	11.3	11.9	12.4

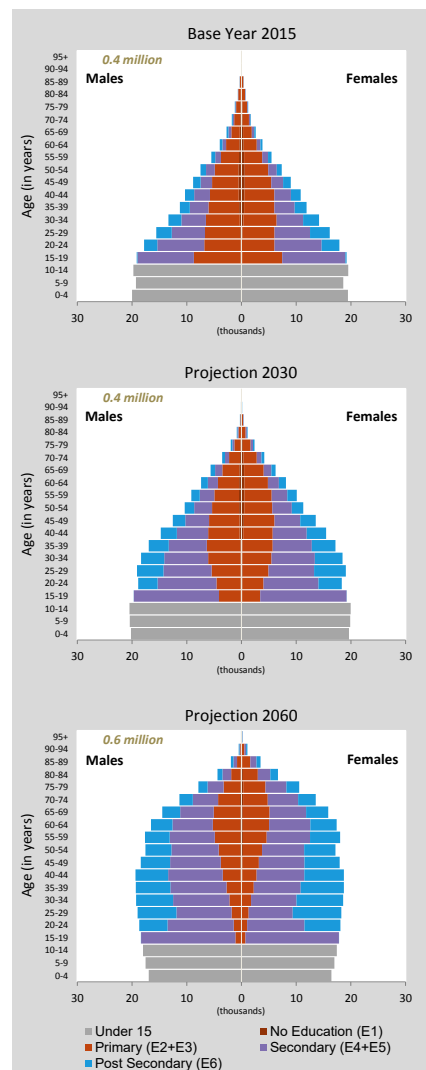
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

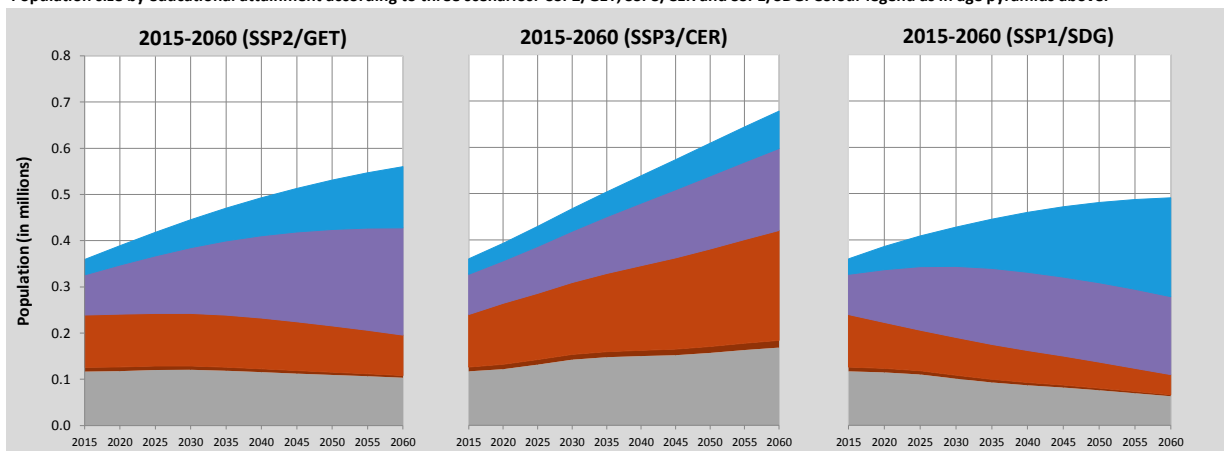
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

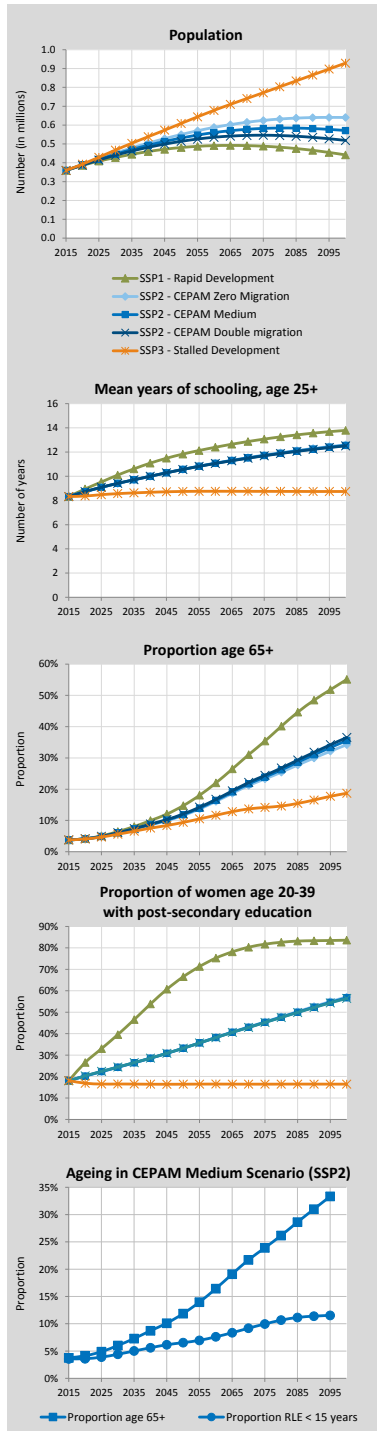
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Belize (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)

	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	0.36	0.39	0.43	0.48	0.49	0.49	0.44
SSP2 - CEPAM Zero Migration	0.36	0.39	0.45	0.55	0.59	0.62	0.64
SSP2 - CEPAM Medium	0.36	0.39	0.45	0.53	0.56	0.58	0.57
SSP2 - CEPAM Double Migration	0.36	0.39	0.44	0.51	0.54	0.55	0.52
SSP3 - Stalled Development	0.36	0.39	0.47	0.61	0.68	0.77	0.93
Proportion age 65+							
SSP1 - Rapid Development	3.8%	4.2%	6.4%	14.7%	22.0%	35.4%	55.1%
SSP2 - CEPAM Zero Migration	3.8%	4.1%	6.0%	11.6%	16.1%	23.3%	34.2%
SSP2 - CEPAM Medium	3.8%	4.1%	6.0%	11.9%	16.4%	23.9%	35.6%
SSP2 - CEPAM Double Migration	3.8%	4.1%	6.1%	12.1%	16.7%	24.4%	36.5%
SSP3 - Stalled Development	3.8%	4.1%	5.6%	9.4%	11.7%	14.2%	18.7%
Proportion below age 20							
SSP1 - Rapid Development	43.1%	39.7%	32.7%	21.7%	17.9%	13.4%	8.7%
SSP2 - CEPAM Zero Migration	43.1%	40.2%	35.7%	27.8%	25.0%	21.2%	17.0%
SSP2 - CEPAM Medium	43.1%	40.3%	35.8%	27.8%	24.9%	21.0%	16.6%
SSP2 - CEPAM Double Migration	43.1%	40.4%	35.9%	27.8%	24.9%	20.8%	16.3%
SSP3 - Stalled Development	43.1%	40.8%	38.7%	33.8%	32.4%	30.0%	27.5%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	18.1%	26.6%	39.6%	66.5%	75.3%	81.7%	83.6%
SSP2 - CEPAM Zero Migration	18.1%	20.2%	24.3%	33.2%	38.3%	45.5%	57.1%
SSP2 - CEPAM Medium	18.1%	20.3%	24.4%	33.2%	38.2%	45.3%	56.7%
SSP2 - CEPAM Double Migration	18.1%	20.3%	24.5%	33.2%	38.2%	45.2%	56.4%
SSP3 - Stalled Development	18.1%	16.9%	16.5%	16.4%	16.5%	16.5%	16.5%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	8.3	8.9	10.1	11.8	12.4	13.1	13.8
SSP2 - CEPAM Zero Migration	8.3	8.7	9.4	10.6	11.1	11.7	12.6
SSP2 - CEPAM Medium	8.3	8.7	9.4	10.6	11.1	11.7	12.5
SSP2 - CEPAM Double Migration	8.3	8.7	9.4	10.6	11.1	11.7	12.5
SSP3 - Stalled Development	8.3	8.4	8.6	8.7	8.8	8.8	8.7

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	2.26	1.90	1.58	1.34	1.25	1.21	1.17
SSP2 - CEPAM Zero Migration	2.46	2.29	2.09	1.84	1.73	1.66	1.59
SSP2 - CEPAM Medium	2.46	2.29	2.09	1.84	1.73	1.66	1.59
SSP2 - CEPAM Double Migration	2.46	2.29	2.09	1.84	1.73	1.66	1.59
SSP3 - Stalled Development	2.67	2.70	2.64	2.41	2.32	2.28	2.25
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	74.3	76.2	79.9	87.5	91.2	96.9	104.7
SSP2 - CEPAM Zero Migration	73.7	75.1	77.9	83.4	86.2	90.3	95.9
SSP2 - CEPAM Medium	73.7	75.1	77.9	83.4	86.2	90.3	95.8
SSP2 - CEPAM Double Migration	73.7	75.1	77.9	83.4	86.2	90.3	95.8
SSP3 - Stalled Development	73.2	74.0	75.7	79.1	80.7	83.1	86.4
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-1.3	-1.5	-1.9	-2.4	-2.5	-2.6	-2.4
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-1.3	-1.5	-2.1	-2.8	-3.1	-3.3	-3.2
SSP2 - CEPAM Double Migration	-2.6	-3.1	-4.0	-5.2	-5.5	-5.4	-4.8
SSP3 - Stalled Development	-0.9	-0.5	0.0	0.0	0.0	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	23.5	25.0	28.4	35.1	38.8	44.3	51.1
Proportion age 65+	3.8%	4.1%	6.0%	11.9%	16.4%	23.9%	33.3%
Proportion RLE < 15 years	3.0%	3.0%	3.9%	6.6%	7.7%	10.1%	11.7%

Benin

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	10.57	12.03	14.91	17.79	20.31	22.34
Proportion age 65+	3.2%	3.3%	3.9%	4.8%	6.1%	8.1%
Proportion below age 20	53.8%	52.2%	47.4%	41.8%	37.0%	32.1%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	4.63	3.98	3.20	2.59	2.21	2.08
Life expectancy at birth (in years)						
Male	59.8	60.8	62.8	64.8	66.8	67.8
Female	62.8	63.9	66.1	68.3	70.5	72.7
Five-year net-migration flow (in thousands)	-9.0	-13.1	-21.5	-30.3	-38.2	-41.6

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	54.6%	47.0%	37.0%	30.7%	24.6%	19.0%
E2 - incomplete primary	14.6%	15.0%	16.3%	17.7%	17.8%	16.8%
E3 - primary	14.2%	18.2%	22.1%	21.7%	21.3%	20.8%
E4 - lower secondary	7.8%	9.3%	11.0%	12.7%	14.7%	16.7%
E5 - upper secondary	5.7%	6.8%	9.0%	11.8%	15.1%	18.9%
E6 - post-secondary	3.1%	3.6%	4.5%	5.4%	6.6%	7.8%
Mean years of schooling (in years)	3.5	4.2	5.2	5.9	6.7	7.6
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.60	0.60	0.60	0.59	0.57	0.55
E2 - incomplete primary	1.48	1.28	1.08	0.98	0.90	0.84
E3 - primary	1.63	1.24	1.08	1.06	1.02	0.96
E4 - lower secondary	2.01	1.82	1.50	1.30	1.16	1.07
E5 - upper secondary	2.96	2.47	1.88	1.58	1.42	1.29
E6 - post-secondary	4.30	4.06	3.89	3.73	3.63	3.50
Mean years of schooling (male minus female)	1.3	1.2	1.1	1.1	1.1	1.0
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	37.3%	29.9%	24.0%	22.0%	15.6%	9.3%
E2 - incomplete primary	16.1%	16.3%	18.4%	19.2%	17.5%	14.0%
E3 - primary	22.1%	25.8%	26.1%	20.7%	19.2%	18.8%
E4 - lower secondary	12.0%	13.2%	13.5%	15.0%	18.1%	20.5%
E5 - upper secondary	9.0%	10.6%	13.0%	17.0%	21.9%	28.0%
E6 - post-secondary	3.5%	4.1%	5.0%	6.2%	7.6%	9.3%
Mean years of schooling (in years)	3.9	4.8	5.6	6.0	7.0	8.3

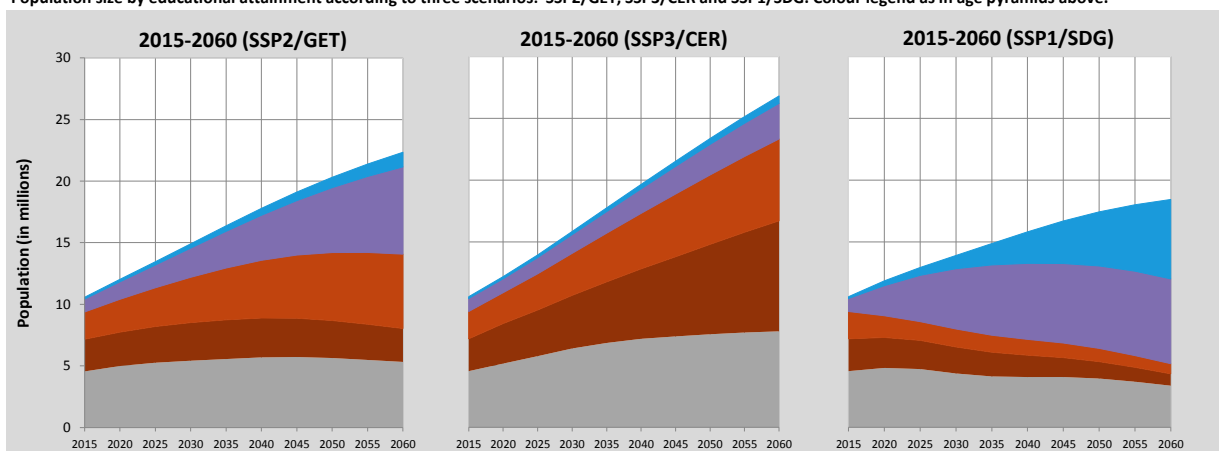
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

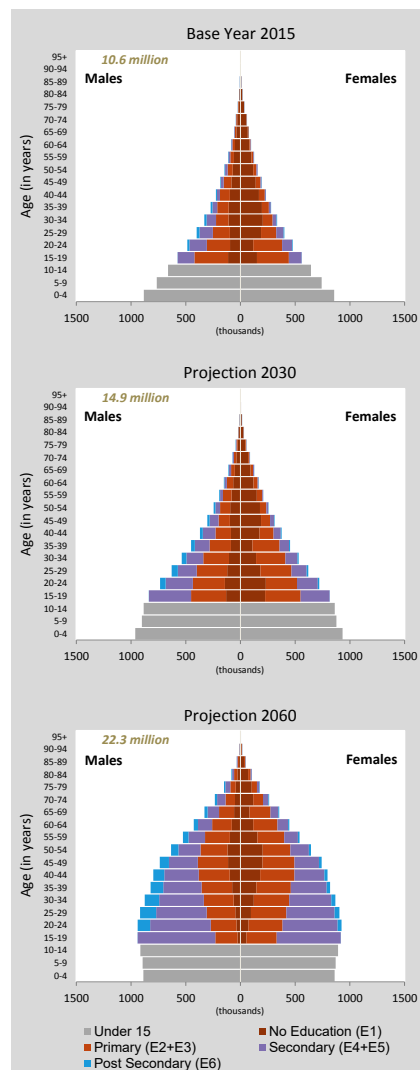
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

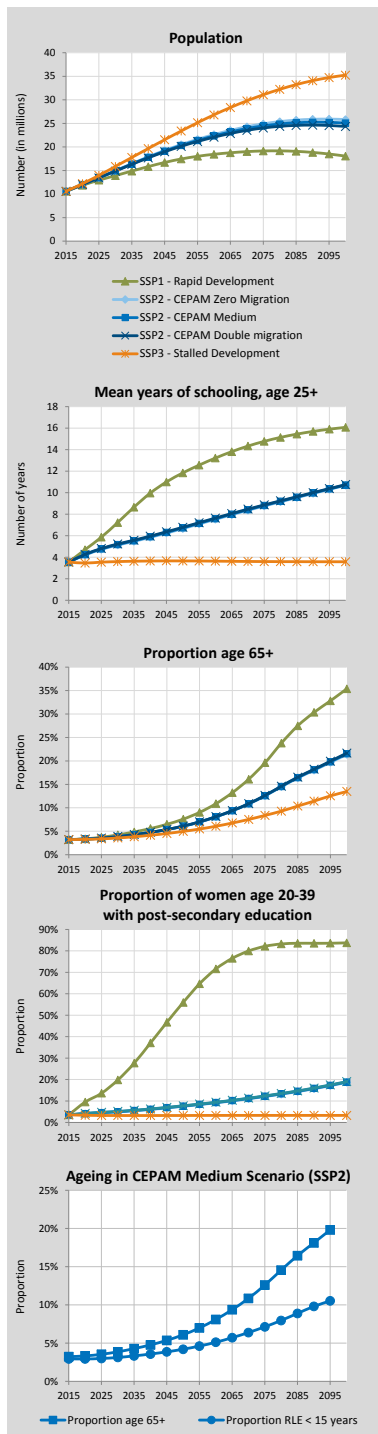
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



Benin (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	10.57	11.86	13.91	17.44	18.44	19.14	18.05
SSP2 - CEPAM Zero Migration	10.57	12.04	14.96	20.49	22.62	24.91	25.82
SSP2 - CEPAM Medium	10.57	12.03	14.91	20.31	22.34	24.46	25.08
SSP2 - CEPAM Double Migration	10.57	12.02	14.87	20.13	22.07	24.02	24.35
SSP3 - Stalled Development	10.57	12.20	15.85	23.37	26.82	31.08	35.24
Proportion age 65+							
SSP1 - Rapid Development	3.2%	3.4%	4.2%	7.6%	10.9%	19.6%	35.4%
SSP2 - CEPAM Zero Migration	3.2%	3.3%	3.9%	6.1%	8.1%	12.6%	21.4%
SSP2 - CEPAM Medium	3.2%	3.3%	3.9%	6.1%	8.1%	12.6%	21.5%
SSP2 - CEPAM Double Migration	3.2%	3.3%	3.9%	6.1%	8.1%	12.6%	21.7%
SSP3 - Stalled Development	3.2%	3.3%	3.6%	5.0%	6.1%	8.4%	13.5%
Proportion below age 20							
SSP1 - Rapid Development	53.8%	51.5%	43.3%	30.4%	25.5%	19.7%	14.0%
SSP2 - CEPAM Zero Migration	53.8%	52.2%	47.4%	36.9%	32.0%	27.0%	21.6%
SSP2 - CEPAM Medium	53.8%	52.2%	47.4%	37.0%	32.1%	27.0%	21.7%
SSP2 - CEPAM Double Migration	53.8%	52.3%	47.5%	37.1%	32.2%	27.1%	21.7%
SSP3 - Stalled Development	53.8%	52.9%	50.7%	42.2%	38.1%	33.3%	28.8%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	3.5%	9.5%	19.8%	56.0%	71.6%	82.2%	83.8%
SSP2 - CEPAM Zero Migration	3.5%	4.0%	4.9%	7.5%	9.1%	12.1%	18.7%
SSP2 - CEPAM Medium	3.5%	4.1%	5.0%	7.6%	9.3%	12.2%	18.8%
SSP2 - CEPAM Double Migration	3.5%	4.2%	5.2%	7.8%	9.4%	12.4%	19.0%
SSP3 - Stalled Development	3.5%	3.3%	3.2%	3.2%	3.3%	3.3%	3.3%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	3.5	4.7	7.2	11.8	13.2	14.8	16.1
SSP2 - CEPAM Zero Migration	3.5	4.2	5.1	6.7	7.5	8.8	10.7
SSP2 - CEPAM Medium	3.5	4.2	5.2	6.7	7.6	8.8	10.7
SSP2 - CEPAM Double Migration	3.5	4.3	5.2	6.8	7.6	8.9	10.8
SSP3 - Stalled Development	3.5	3.5	3.6	3.7	3.6	3.6	3.6

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	4.18	3.19	2.27	1.64	1.51	1.38	1.25
SSP2 - CEPAM Zero Migration	4.63	3.98	3.20	2.21	1.99	1.82	1.68
SSP2 - CEPAM Medium	4.63	3.98	3.20	2.21	1.99	1.82	1.68
SSP2 - CEPAM Double Migration	4.63	3.98	3.20	2.21	1.99	1.82	1.68
SSP3 - Stalled Development	5.09	4.76	4.06	2.83	2.53	2.33	2.20
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	63.5	65.7	69.8	76.5	79.5	84.4	90.9
SSP2 - CEPAM Zero Migration	62.8	63.9	66.1	70.4	72.6	75.9	80.3
SSP2 - CEPAM Medium	62.8	63.9	66.1	70.5	72.7	75.9	80.3
SSP2 - CEPAM Double Migration	62.8	63.9	66.1	70.5	72.7	76.0	80.3
SSP3 - Stalled Development	62.2	62.6	63.5	65.1	65.8	66.9	68.5
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-9.0	-12.6	-18.5	-29.8	-33.4	-36.6	-36.1
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-9.0	-13.1	-21.5	-38.2	-44.6	-51.5	-53.9
SSP2 - CEPAM Double Migration	-18.0	-26.3	-43.2	-76.3	-88.8	-101.5	-104.6
SSP3 - Stalled Development	-6.0	-4.5	0.0	0.0	0.0	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	18.2	19.0	21.3	27.5	30.9	36.0	41.7
Proportion age 65+	3.2%	3.3%	3.9%	6.1%	8.1%	12.6%	19.8%
Proportion RLE < 15 years	3.2%	3.2%	3.2%	4.2%	5.0%	6.9%	10.2%

Bhutan

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	0.79	0.84	0.92	0.99	1.03	1.06
Proportion age 65+	4.7%	5.3%	7.3%	10.7%	16.3%	22.1%
Proportion below age 20	37.1%	34.2%	30.1%	26.7%	23.8%	21.8%
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	2.06	1.99	1.91	1.85	1.79	1.74
Life expectancy at birth (in years)						
Male	70.4	71.5	73.6	75.8	77.9	79.0
Female	71.0	72.4	75.0	77.7	80.3	82.9
Five-year net-migration flow (in thousands)	0.7	0.7	0.8	1.0	1.3	1.5

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	51.6%	45.5%	35.9%	28.2%	21.5%	15.9%
E2 - incomplete primary	17.1%	16.6%	16.4%	15.7%	14.1%	12.2%
E3 - primary	4.3%	6.2%	8.0%	8.6%	8.9%	8.9%
E4 - lower secondary	15.4%	17.4%	20.8%	23.6%	25.6%	26.5%
E5 - upper secondary	4.0%	5.4%	7.5%	9.8%	12.5%	15.5%
E6 - post-secondary	7.5%	8.9%	11.4%	14.2%	17.4%	21.0%
Mean years of schooling (in years)	4.2	5.0	6.3	7.5	8.6	9.7
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.64	0.64	0.60	0.57	0.55	0.52
E2 - incomplete primary	2.02	1.83	1.58	1.33	1.17	1.04
E3 - primary	1.19	1.11	1.13	1.15	1.16	1.13
E4 - lower secondary	1.37	1.23	1.09	1.04	1.00	0.97
E5 - upper secondary	1.06	1.03	1.02	1.01	0.99	0.95
E6 - post-secondary	2.49	2.31	2.13	1.96	1.80	1.67
Mean years of schooling (male minus female)	1.1	1.1	1.0	1.0	0.9	0.9
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	32.4%	26.4%	17.3%	11.2%	6.3%	3.2%
E2 - incomplete primary	17.2%	15.3%	14.9%	13.1%	9.5%	6.2%
E3 - primary	9.5%	11.6%	11.8%	9.4%	8.1%	6.7%
E4 - lower secondary	23.0%	25.0%	28.0%	29.9%	29.6%	27.1%
E5 - upper secondary	8.0%	10.0%	13.0%	16.9%	22.1%	26.9%
E6 - post-secondary	9.9%	11.7%	15.0%	19.5%	24.5%	30.0%
Mean years of schooling (in years)	5.6	6.6	8.1	9.3	10.7	11.9

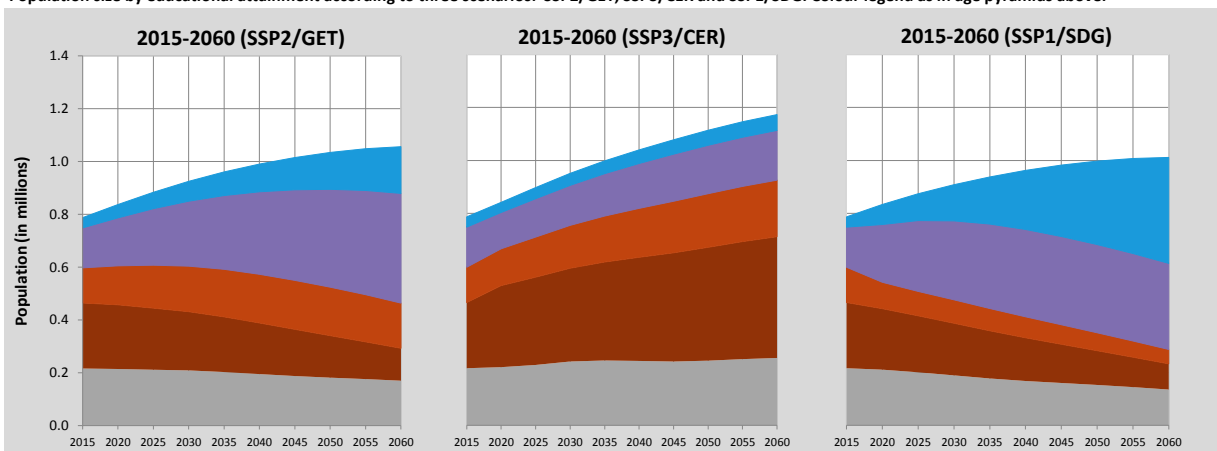
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

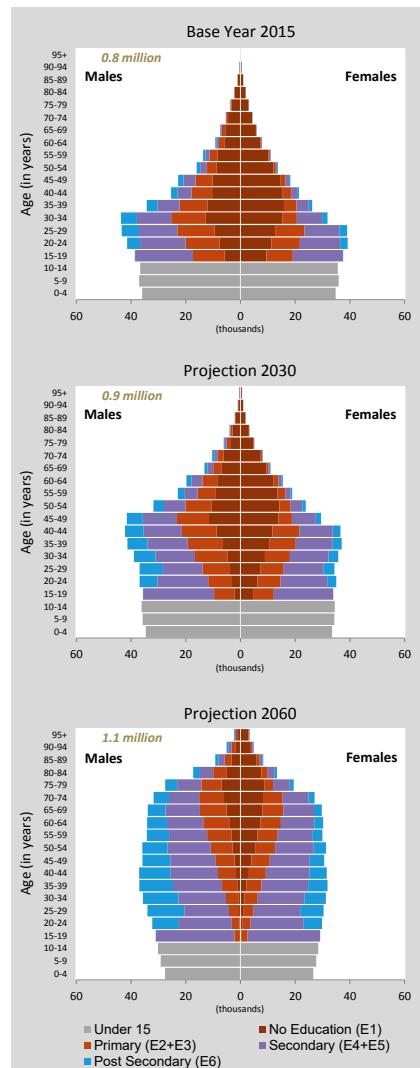
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

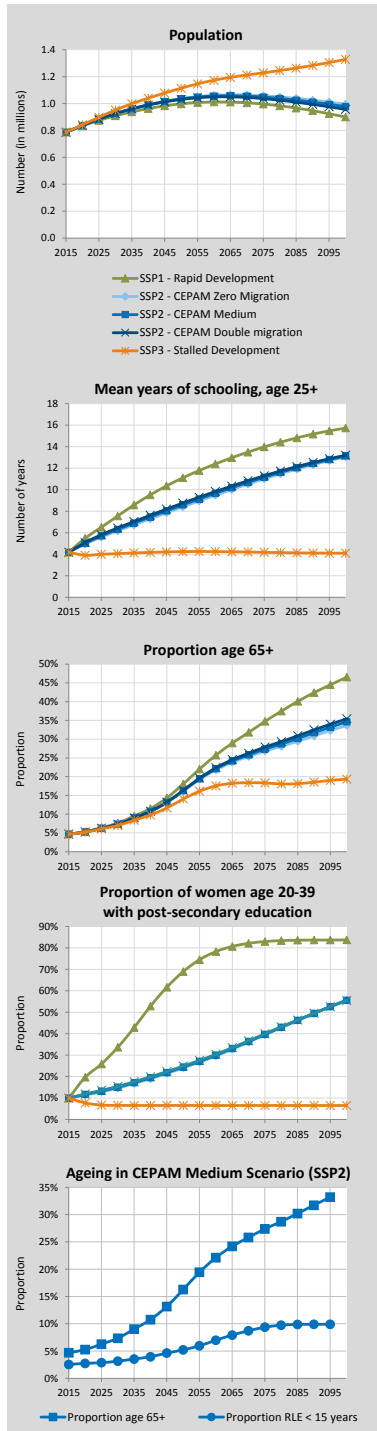
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



Bhutan (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	0.79	0.83	0.91	1.00	1.01	1.00	0.90
SSP2 - CEPAM Zero Migration	0.79	0.84	0.92	1.04	1.06	1.06	1.00
SSP2 - CEPAM Medium	0.79	0.84	0.92	1.03	1.06	1.05	0.98
SSP2 - CEPAM Double Migration	0.79	0.84	0.92	1.03	1.05	1.04	0.96
SSP3 - Stalled Development	0.79	0.84	0.95	1.11	1.17	1.23	1.33
Proportion age 65+							
SSP1 - Rapid Development	4.7%	5.3%	7.6%	18.0%	25.7%	34.7%	46.5%
SSP2 - CEPAM Zero Migration	4.7%	5.3%	7.3%	16.2%	21.9%	26.8%	33.7%
SSP2 - CEPAM Medium	4.7%	5.3%	7.3%	16.3%	22.1%	27.4%	34.6%
SSP2 - CEPAM Double Migration	4.7%	5.3%	7.3%	16.4%	22.4%	27.9%	35.4%
SSP3 - Stalled Development	4.7%	5.2%	7.0%	14.0%	17.5%	18.3%	19.3%
Proportion below age 20							
SSP1 - Rapid Development	37.1%	33.9%	28.4%	20.9%	18.4%	15.2%	11.5%
SSP2 - CEPAM Zero Migration	37.1%	34.2%	30.3%	24.3%	22.4%	20.1%	17.2%
SSP2 - CEPAM Medium	37.1%	34.2%	30.1%	23.8%	21.8%	19.2%	16.1%
SSP2 - CEPAM Double Migration	37.1%	34.1%	29.9%	23.3%	21.1%	18.4%	15.2%
SSP3 - Stalled Development	37.1%	34.6%	32.6%	29.1%	28.5%	27.7%	27.5%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	9.9%	19.7%	33.7%	69.0%	78.3%	83.0%	83.7%
SSP2 - CEPAM Zero Migration	9.9%	11.4%	14.6%	24.0%	29.6%	39.4%	55.8%
SSP2 - CEPAM Medium	9.9%	11.7%	15.0%	24.5%	30.0%	39.7%	55.6%
SSP2 - CEPAM Double Migration	9.9%	11.9%	15.4%	24.9%	30.4%	40.0%	55.5%
SSP3 - Stalled Development	9.9%	7.7%	6.6%	6.5%	6.5%	6.5%	6.5%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	4.2	5.5	7.6	11.1	12.4	14.0	15.7
SSP2 - CEPAM Zero Migration	4.2	4.9	6.2	8.4	9.5	11.0	13.1
SSP2 - CEPAM Medium	4.2	5.0	6.3	8.6	9.7	11.2	13.1
SSP2 - CEPAM Double Migration	4.2	5.1	6.4	8.8	9.8	11.3	13.2
SSP3 - Stalled Development	4.2	3.9	4.1	4.2	4.2	4.2	4.1

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.95	1.78	1.62	1.55	1.48	1.42	1.34
SSP2 - CEPAM Zero Migration	2.06	1.99	1.91	1.79	1.72	1.65	1.56
SSP2 - CEPAM Medium	2.06	1.99	1.91	1.79	1.72	1.65	1.57
SSP2 - CEPAM Double Migration	2.06	1.99	1.91	1.79	1.72	1.65	1.57
SSP3 - Stalled Development	2.23	2.32	2.38	2.29	2.24	2.23	2.31
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	71.6	73.6	77.5	85.0	88.7	94.3	101.7
SSP2 - CEPAM Zero Migration	71.0	72.3	75.0	80.3	82.9	86.8	92.1
SSP2 - CEPAM Medium	71.0	72.4	75.0	80.3	82.9	86.9	92.1
SSP2 - CEPAM Double Migration	71.1	72.4	75.0	80.3	82.9	86.9	92.1
SSP3 - Stalled Development	70.5	71.0	72.4	74.8	76.0	77.9	80.6
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	0.7	0.7	0.6	0.6	0.6	0.6	0.5
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	0.7	0.7	0.8	1.3	1.6	2.2	2.8
SSP2 - CEPAM Double Migration	1.4	1.4	1.3	2.1	2.7	3.9	5.1
SSP3 - Stalled Development	0.5	0.3	0.0	0.0	0.0	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	26.3	28.5	32.7	39.8	42.6	46.6	51.0
Proportion age 65+	4.7%	5.3%	7.3%	16.3%	22.1%	27.4%	33.2%
Proportion RLE < 15 years	2.3%	2.5%	2.7%	4.3%	5.3%	7.7%	9.1%

Bolivia

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	10.72	11.52	12.97	14.19	15.11	15.70
Proportion age 65+	6.5%	7.1%	8.3%	10.2%	13.3%	16.8%
Proportion below age 20	42.5%	40.2%	35.8%	32.2%	28.8%	26.0%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	2.81	2.60	2.32	2.13	1.98	1.92
Life expectancy at birth (in years)						
Male	67.1	68.0	69.9	71.7	73.5	74.4
Female	72.2	73.1	74.8	76.5	78.2	80.0
Five-year net-migration flow (in thousands)	-69.7	-75.0	-84.7	-92.7	-98.4	-100.4

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	6.8%	5.3%	3.1%	1.8%	1.1%	0.6%
E2 - incomplete primary	16.7%	13.7%	9.3%	6.3%	4.1%	2.5%
E3 - primary	15.6%	15.1%	13.3%	11.0%	8.9%	6.9%
E4 - lower secondary	17.2%	17.8%	17.9%	17.1%	15.7%	14.0%
E5 - upper secondary	24.5%	26.9%	31.5%	35.3%	38.4%	40.5%
E6 - post-secondary	19.1%	21.2%	24.9%	28.5%	31.9%	35.4%
Mean years of schooling (in years)	8.8	9.3	10.2	10.9	11.5	11.9
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.38	0.37	0.38	0.41	0.46	0.53
E2 - incomplete primary	0.79	0.76	0.70	0.65	0.61	0.59
E3 - primary	1.09	1.07	1.02	0.98	0.95	0.93
E4 - lower secondary	1.21	1.16	1.12	1.10	1.09	1.09
E5 - upper secondary	1.21	1.19	1.16	1.15	1.15	1.16
E6 - post-secondary	1.04	1.01	0.97	0.92	0.89	0.87
Mean years of schooling (male minus female)	0.5	0.4	0.3	0.2	0.1	0.0
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	1.5%	1.0%	0.4%	0.2%	0.1%	0.0%
E2 - incomplete primary	5.5%	3.3%	1.8%	1.5%	0.8%	0.3%
E3 - primary	13.5%	12.3%	9.2%	5.7%	3.4%	2.0%
E4 - lower secondary	24.1%	21.7%	16.9%	13.7%	10.9%	8.4%
E5 - upper secondary	34.5%	37.8%	43.0%	46.0%	47.8%	48.0%
E6 - post-secondary	20.8%	23.8%	28.8%	33.0%	37.0%	41.1%
Mean years of schooling (in years)	10.3	10.9	11.6	12.2	12.6	13.0

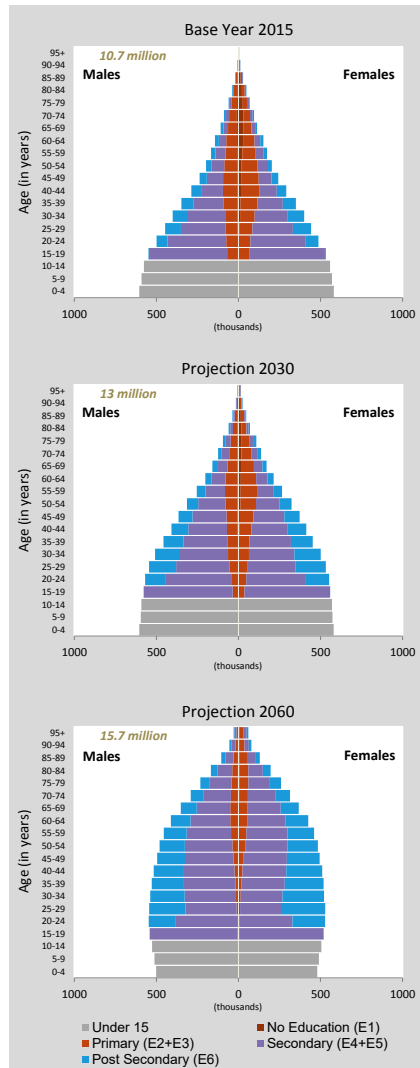
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

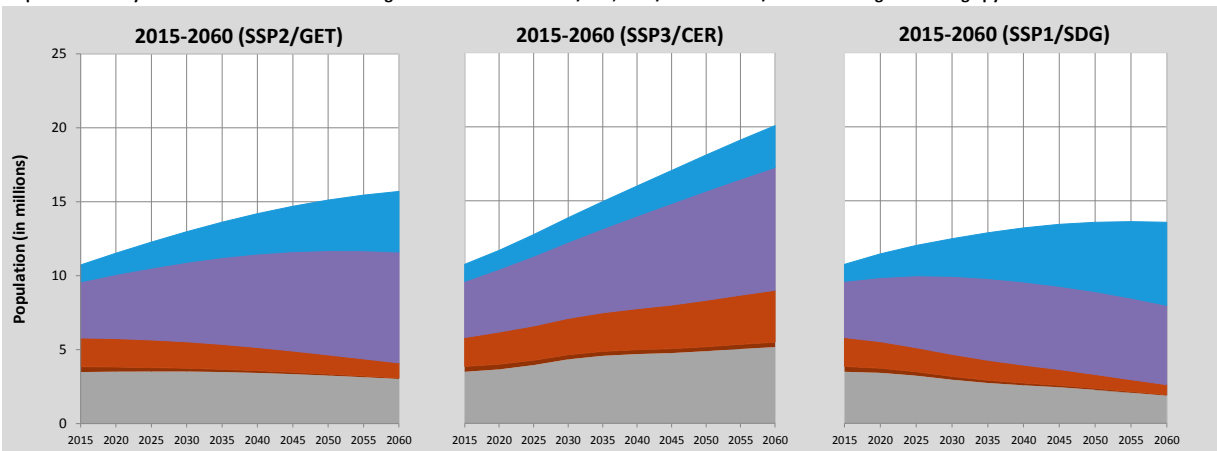
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

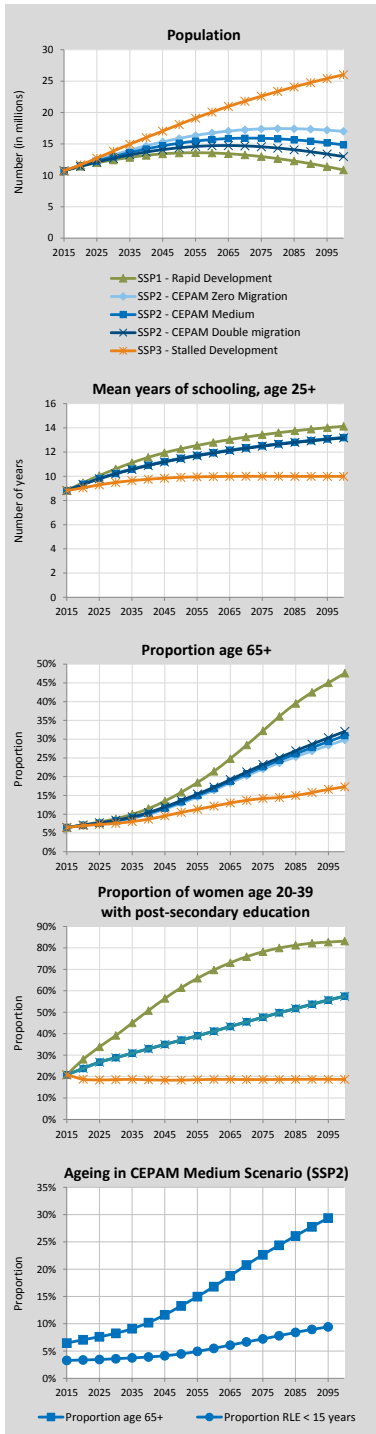
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Bolivia (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)	2015 2020 2030 2050 2060 2075 2100						
	Population (in millions)						
SSP1 - Rapid Development	10.72	11.43	12.45	13.56	13.56	12.99	10.87
SSP2 - CEPAM Zero Migration	10.72	11.59	13.24	15.88	16.75	17.39	17.01
SSP2 - CEPAM Medium	10.72	11.52	12.97	15.11	15.70	15.90	14.85
SSP2 - CEPAM Double Migration	10.72	11.44	12.71	14.39	14.71	14.55	12.99
SSP3 - Stalled Development	10.72	11.67	13.86	18.09	20.07	22.59	26.02
Proportion age 65+							
SSP1 - Rapid Development	6.5%	7.2%	8.8%	15.9%	21.4%	32.2%	47.6%
SSP2 - CEPAM Zero Migration	6.5%	7.0%	8.1%	12.9%	16.4%	22.1%	29.8%
SSP2 - CEPAM Medium	6.5%	7.1%	8.3%	13.3%	16.8%	22.6%	30.9%
SSP2 - CEPAM Double Migration	6.5%	7.1%	8.4%	13.6%	17.2%	23.2%	32.1%
SSP3 - Stalled Development	6.5%	6.9%	7.6%	10.5%	12.2%	14.2%	17.3%
Proportion below age 20							
SSP1 - Rapid Development	42.5%	39.7%	32.8%	22.9%	19.3%	15.0%	10.8%
SSP2 - CEPAM Zero Migration	42.5%	40.1%	35.7%	28.8%	25.9%	22.5%	18.9%
SSP2 - CEPAM Medium	42.5%	40.2%	35.8%	28.8%	26.0%	22.4%	18.6%
SSP2 - CEPAM Double Migration	42.5%	40.3%	36.0%	28.9%	26.0%	22.3%	18.4%
SSP3 - Stalled Development	42.5%	40.9%	39.4%	35.3%	33.5%	31.0%	28.7%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	20.8%	28.0%	39.2%	61.5%	69.7%	78.2%	83.2%
SSP2 - CEPAM Zero Migration	20.8%	23.8%	28.8%	37.1%	41.2%	47.7%	57.6%
SSP2 - CEPAM Medium	20.8%	23.8%	28.8%	37.0%	41.1%	47.7%	57.5%
SSP2 - CEPAM Double Migration	20.8%	23.8%	28.8%	37.0%	41.1%	47.6%	57.4%
SSP3 - Stalled Development	20.8%	18.8%	18.6%	18.3%	18.7%	18.6%	18.7%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	8.8	9.5	10.6	12.3	12.8	13.4	14.1
SSP2 - CEPAM Zero Migration	8.8	9.3	10.2	11.5	12.0	12.5	13.2
SSP2 - CEPAM Medium	8.8	9.3	10.2	11.5	11.9	12.5	13.2
SSP2 - CEPAM Double Migration	8.8	9.3	10.2	11.4	11.9	12.5	13.2
SSP3 - Stalled Development	8.8	9.0	9.5	9.9	10.0	10.0	10.0

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	2.58	2.16	1.74	1.45	1.36	1.28	1.24
SSP2 - CEPAM Zero Migration	2.81	2.60	2.32	1.98	1.86	1.74	1.68
SSP2 - CEPAM Medium	2.81	2.60	2.32	1.98	1.86	1.74	1.68
SSP2 - CEPAM Double Migration	2.81	2.60	2.32	1.98	1.86	1.74	1.68
SSP3 - Stalled Development	3.11	3.20	3.10	2.67	2.54	2.44	2.40
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	72.7	74.2	77.2	82.7	85.4	89.5	94.9
SSP2 - CEPAM Zero Migration	72.2	73.1	74.8	78.2	80.0	82.5	86.0
SSP2 - CEPAM Medium	72.2	73.1	74.8	78.2	80.0	82.5	86.0
SSP2 - CEPAM Double Migration	72.2	73.1	74.8	78.2	79.9	82.5	86.0
SSP3 - Stalled Development	71.6	71.7	72.0	72.7	73.1	73.8	75.0
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-69.7	-74.4	-81.2	-88.0	-87.4	-82.5	-70.4
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-69.7	-75.0	-84.7	-98.4	-101.8	-102.0	-95.7
SSP2 - CEPAM Double Migration	-139.3	-148.8	-165.4	-186.1	-189.0	-183.9	-165.0
SSP3 - Stalled Development	-46.4	-25.4	-0.1	-0.1	-0.1	-0.1	-0.1

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	24.1	25.3	28.3	34.5	37.7	42.3	47.7
Proportion age 65+	6.5%	7.1%	8.3%	13.3%	16.8%	22.6%	29.4%
Proportion RLE < 15 years	3.0%	3.2%	3.4%	4.2%	5.2%	7.0%	9.3%

Bosnia and Herzegovina

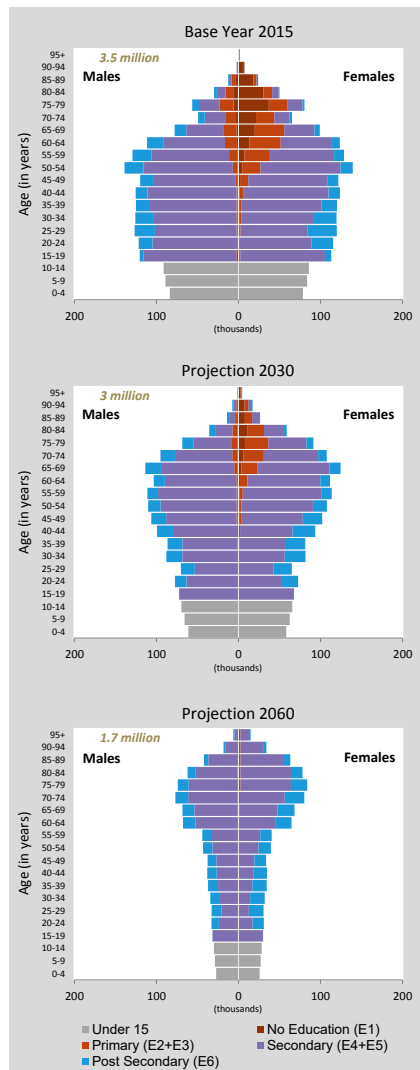
Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	3.54	3.36	2.97	2.54	2.11	1.71
Proportion age 65+	15.7%	18.6%	25.8%	32.4%	39.3%	45.1%
Proportion below age 20	21.1%	19.1%	17.6%	15.7%	13.8%	13.4%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	1.36	1.43	1.47	1.49	1.51	1.52
Life expectancy at birth (in years)						
Male	74.7	75.7	77.9	80.0	82.1	83.2
Female	79.6	80.7	82.8	84.9	86.9	89.0
Five-year net-migration flow (in thousands)	-133.8	-125.6	-108.5	-89.5	-71.1	-62.7

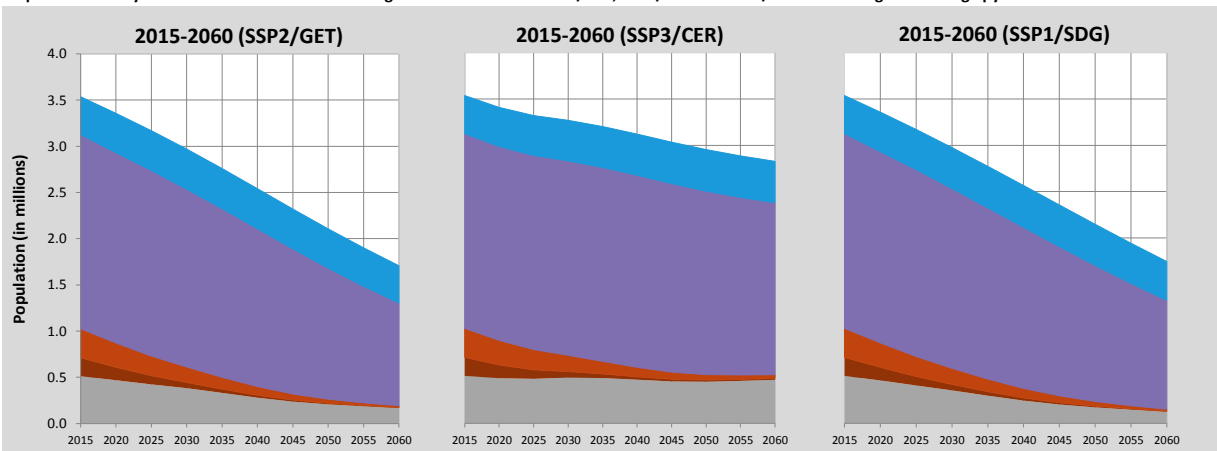
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	7.7%	5.6%	2.7%	1.3%	0.7%	0.5%
E2 - incomplete primary	1.0%	0.7%	0.4%	0.2%	0.2%	0.2%
E3 - primary	11.2%	9.7%	6.9%	4.4%	2.4%	1.2%
E4 - lower secondary	18.6%	18.1%	16.8%	15.0%	12.5%	9.7%
E5 - upper secondary	47.7%	50.8%	55.7%	59.2%	61.3%	61.5%
E6 - post-secondary	13.9%	15.2%	17.4%	19.8%	23.0%	26.9%
Mean years of schooling (in years)	9.8	10.3	11.2	11.8	12.4	12.9
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.20	0.18	0.19	0.26	0.42	0.59
E2 - incomplete primary	0.47	0.39	0.33	0.44	0.67	0.86
E3 - primary	0.52	0.45	0.34	0.27	0.29	0.42
E4 - lower secondary	0.74	0.72	0.67	0.63	0.62	0.64
E5 - upper secondary	1.50	1.45	1.36	1.29	1.25	1.23
E6 - post-secondary	1.32	1.19	1.02	0.91	0.82	0.76
Mean years of schooling (male minus female)	1.0	0.9	0.6	0.4	0.2	0.0
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	0.6%	0.5%	0.2%	0.1%	0.1%	0.1%
E2 - incomplete primary	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
E3 - primary	1.4%	1.0%	0.3%	0.2%	0.2%	0.2%
E4 - lower secondary	12.7%	9.1%	5.7%	3.6%	1.9%	1.1%
E5 - upper secondary	65.8%	67.0%	67.9%	65.5%	61.2%	56.3%
E6 - post-secondary	19.4%	22.3%	25.8%	30.6%	36.6%	42.3%
Mean years of schooling (in years)	12.2	12.8	13.6	14.0	14.3	14.5

Education scenarios
 SSP2/GET: Global Education Trend Scenario (Medium assumption)
 SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)
 SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

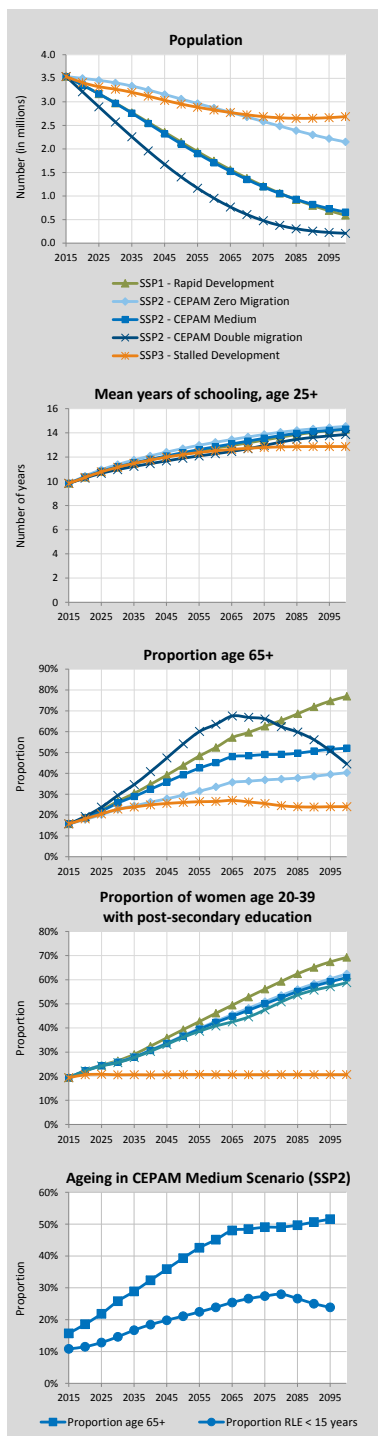
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Bosnia and Herzegovina (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)

	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	3.54	3.36	2.98	2.15	1.75	1.22	0.59
SSP2 - CEPAM Zero Migration	3.54	3.50	3.40	3.06	2.87	2.58	2.15
SSP2 - CEPAM Medium	3.54	3.36	2.97	2.11	1.71	1.19	0.66
SSP2 - CEPAM Double Migration	3.54	3.21	2.57	1.41	0.95	0.48	0.21
SSP3 - Stalled Development	3.54	3.41	3.27	2.95	2.83	2.69	2.69
Proportion age 65+							
SSP1 - Rapid Development	15.7%	18.7%	26.7%	43.8%	52.4%	62.6%	76.9%
SSP2 - CEPAM Zero Migration	15.7%	17.9%	22.8%	29.5%	33.5%	36.8%	40.3%
SSP2 - CEPAM Medium	15.7%	18.6%	25.8%	39.3%	45.1%	49.0%	52.0%
SSP2 - CEPAM Double Migration	15.7%	19.3%	29.4%	54.1%	63.6%	66.1%	44.5%
SSP3 - Stalled Development	15.7%	18.2%	22.8%	26.0%	26.5%	25.5%	24.0%
Proportion below age 20							
SSP1 - Rapid Development	21.1%	18.9%	16.7%	11.4%	10.0%	7.6%	5.0%
SSP2 - CEPAM Zero Migration	21.1%	19.2%	18.6%	16.3%	16.1%	15.5%	15.0%
SSP2 - CEPAM Medium	21.1%	19.1%	17.6%	13.8%	13.4%	12.4%	12.5%
SSP2 - CEPAM Double Migration	21.1%	19.0%	16.3%	10.3%	9.5%	8.2%	16.0%
SSP3 - Stalled Development	21.1%	19.4%	19.8%	20.5%	21.8%	23.2%	25.0%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	19.4%	22.3%	26.4%	39.3%	46.1%	56.1%	69.3%
SSP2 - CEPAM Zero Migration	19.4%	22.3%	25.9%	36.8%	42.8%	50.9%	62.4%
SSP2 - CEPAM Medium	19.4%	22.3%	25.8%	36.6%	42.3%	50.0%	60.9%
SSP2 - CEPAM Double Migration	19.4%	22.2%	25.6%	36.1%	40.8%	47.5%	58.8%
SSP3 - Stalled Development	19.4%	20.6%	20.6%	20.7%	20.7%	20.7%	20.7%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	9.8	10.3	11.2	12.3	12.7	13.4	14.3
SSP2 - CEPAM Zero Migration	9.8	10.4	11.4	12.7	13.2	13.9	14.5
SSP2 - CEPAM Medium	9.8	10.3	11.2	12.4	12.9	13.6	14.3
SSP2 - CEPAM Double Migration	9.8	10.3	11.0	11.9	12.3	13.0	13.9
SSP3 - Stalled Development	9.8	10.3	11.1	12.2	12.5	12.8	12.9

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.32	1.33	1.31	1.32	1.32	1.34	1.37
SSP2 - CEPAM Zero Migration	1.36	1.43	1.47	1.51	1.52	1.54	1.57
SSP2 - CEPAM Medium	1.36	1.43	1.47	1.51	1.53	1.54	1.58
SSP2 - CEPAM Double Migration	1.36	1.43	1.47	1.52	1.54	1.56	1.62
SSP3 - Stalled Development	1.46	1.61	1.80	2.00	2.06	2.14	2.26
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	80.2	81.7	84.8	90.9	94.0	98.6	104.6
SSP2 - CEPAM Zero Migration	79.6	80.7	82.8	86.9	89.0	92.2	96.3
SSP2 - CEPAM Medium	79.6	80.7	82.8	86.9	89.0	92.1	96.3
SSP2 - CEPAM Double Migration	79.6	80.7	82.8	86.9	89.0	92.0	96.0
SSP3 - Stalled Development	79.2	79.7	80.7	82.9	83.9	85.4	87.5
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-134.0	-126.2	-109.8	-74.3	-58.0	-36.8	-17.3
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-133.8	-125.6	-108.5	-71.1	-54.8	-34.4	-17.6
SSP2 - CEPAM Double Migration	-267.5	-239.4	-183.9	-84.4	-48.1	-12.0	3.1
SSP3 - Stalled Development	-89.0	-42.5	-0.1	-0.1	-0.1	-0.1	-0.1

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	41.0	43.5	48.5	58.2	61.8	64.1	66.1
Proportion age 65+	15.7%	18.6%	25.8%	39.3%	45.1%	49.0%	51.6%
Proportion RLE < 15 years	11.4%	11.9%	14.5%	21.5%	24.2%	27.8%	24.3%

Botswana

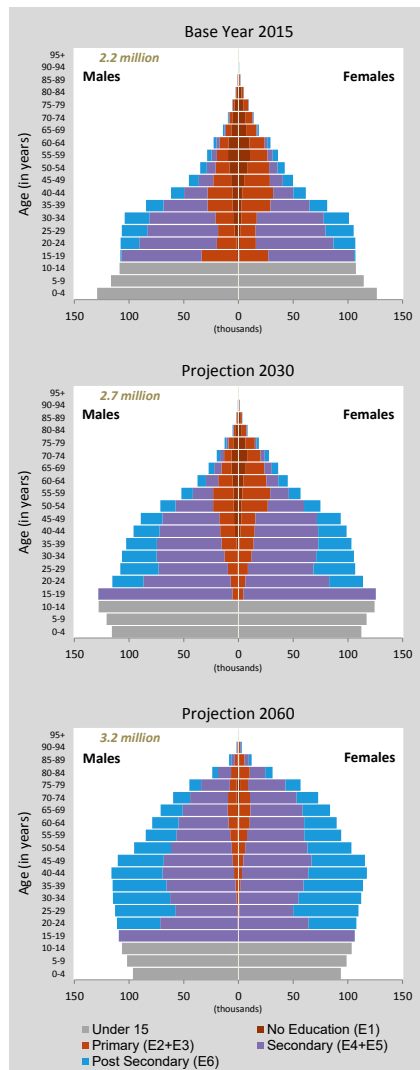
Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	2.21	2.40	2.71	2.95	3.12	3.19
Proportion age 65+	3.7%	4.5%	6.0%	8.1%	11.8%	14.8%
Proportion below age 20	41.5%	39.7%	35.8%	30.7%	27.8%	25.6%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	2.59	2.34	2.05	1.85	1.73	1.70
Life expectancy at birth (in years)						
Male	65.5	66.0	66.8	67.7	68.5	69.0
Female	70.5	70.8	71.4	72.1	72.7	73.4
Five-year net-migration flow (in thousands)	9.2	9.6	10.3	11.1	11.8	12.2

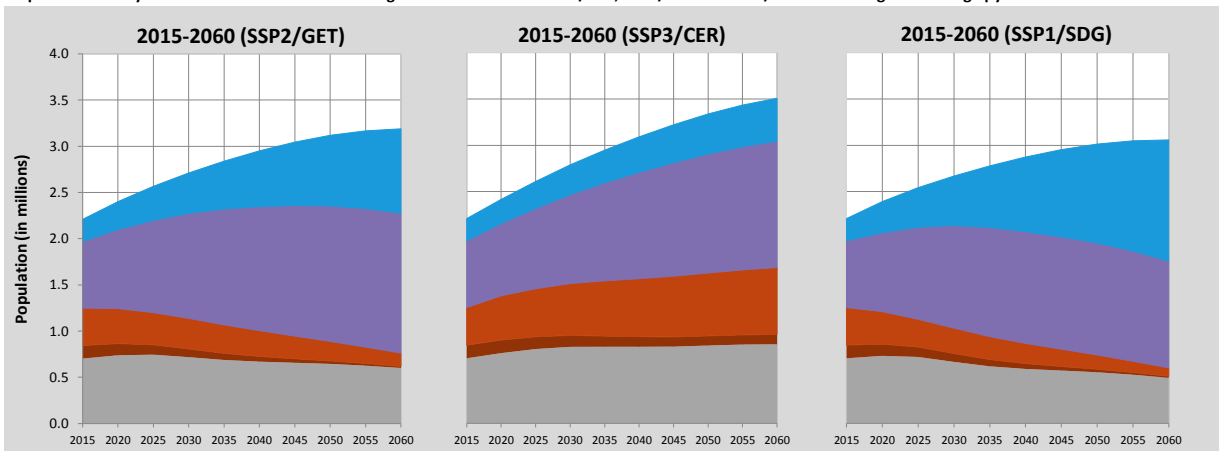
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	12.7%	9.9%	5.9%	3.1%	1.6%	0.8%
E2 - incomplete primary	8.6%	7.0%	4.3%	2.5%	1.4%	0.8%
E3 - primary	20.4%	18.9%	16.1%	12.4%	8.8%	5.8%
E4 - lower secondary	18.7%	19.7%	19.8%	18.9%	17.1%	14.6%
E5 - upper secondary	20.9%	23.7%	28.9%	33.6%	37.2%	39.4%
E6 - post-secondary	18.6%	20.8%	25.0%	29.5%	33.9%	38.6%
Mean years of schooling (in years)	9.0	9.6	10.6	11.3	11.9	12.3
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	1.11	1.11	1.12	1.15	1.22	1.23
E2 - incomplete primary	0.90	0.96	1.07	1.22	1.40	1.54
E3 - primary	0.77	0.78	0.78	0.79	0.82	0.87
E4 - lower secondary	0.98	0.96	0.97	0.97	0.97	0.98
E5 - upper secondary	1.26	1.22	1.16	1.12	1.10	1.09
E6 - post-secondary	1.02	1.00	0.98	0.95	0.94	0.93
Mean years of schooling (male minus female)	0.1	0.1	0.0	0.0	0.0	0.0
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	3.0%	2.2%	0.6%	0.2%	0.1%	0.1%
E2 - incomplete primary	4.1%	2.7%	0.6%	0.2%	0.1%	0.0%
E3 - primary	13.6%	10.4%	8.7%	4.8%	2.4%	1.0%
E4 - lower secondary	27.5%	26.0%	18.7%	14.1%	10.2%	6.8%
E5 - upper secondary	31.2%	34.9%	41.6%	45.4%	46.6%	46.2%
E6 - post-secondary	20.5%	23.9%	29.8%	35.3%	40.6%	45.8%
Mean years of schooling (in years)	10.9	11.4	12.1	12.5	12.8	13.1

Education scenarios
 SSP2/GET: Global Education Trend Scenario (Medium assumption)
 SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)
 SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

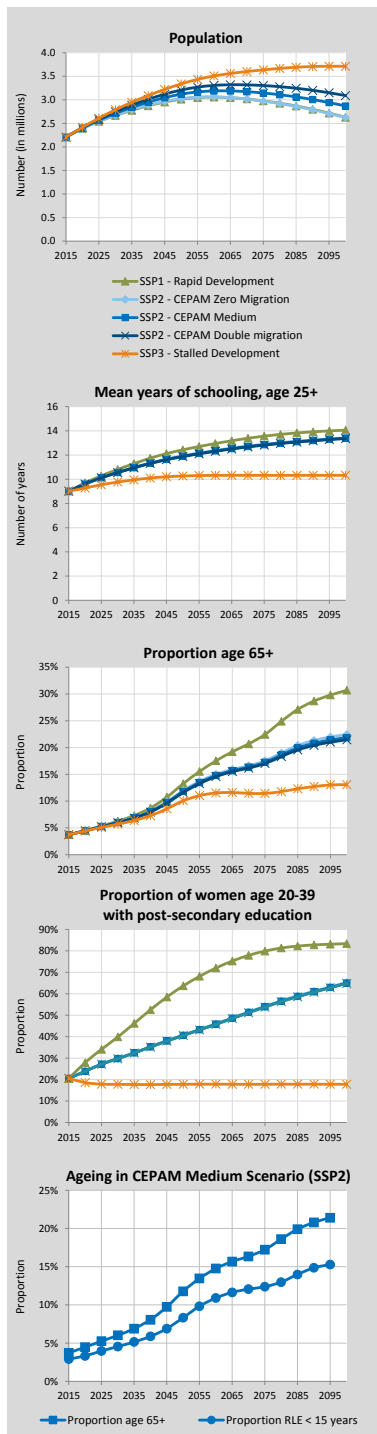
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Botswana (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	2.21	2.39	2.67	3.01	3.06	2.98	2.63
SSP2 - CEPAM Zero Migration	2.21	2.39	2.68	3.03	3.06	2.97	2.62
SSP2 - CEPAM Medium	2.21	2.40	2.71	3.12	3.19	3.14	2.87
SSP2 - CEPAM Double Migration	2.21	2.41	2.75	3.21	3.31	3.30	3.09
SSP3 - Stalled Development	2.21	2.42	2.79	3.34	3.51	3.64	3.71
Proportion age 65+							
SSP1 - Rapid Development	3.7%	4.5%	6.3%	13.3%	17.5%	22.4%	30.7%
SSP2 - CEPAM Zero Migration	3.7%	4.5%	6.1%	12.0%	15.0%	17.5%	22.4%
SSP2 - CEPAM Medium	3.7%	4.5%	6.0%	11.8%	14.8%	17.2%	21.9%
SSP2 - CEPAM Double Migration	3.7%	4.5%	6.0%	11.6%	14.6%	17.0%	21.4%
SSP3 - Stalled Development	3.7%	4.4%	5.7%	10.1%	11.5%	11.4%	13.1%
Proportion below age 20							
SSP1 - Rapid Development	41.5%	39.4%	34.4%	24.8%	22.2%	18.9%	16.3%
SSP2 - CEPAM Zero Migration	41.5%	39.8%	35.9%	27.8%	25.6%	22.9%	20.9%
SSP2 - CEPAM Medium	41.5%	39.7%	35.8%	27.8%	25.6%	23.0%	21.0%
SSP2 - CEPAM Double Migration	41.5%	39.7%	35.8%	27.8%	25.6%	23.1%	21.2%
SSP3 - Stalled Development	41.5%	40.3%	38.7%	33.2%	32.2%	30.8%	29.9%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	20.5%	27.9%	39.9%	63.7%	72.0%	79.9%	83.4%
SSP2 - CEPAM Zero Migration	20.5%	23.9%	29.8%	40.8%	46.0%	54.2%	65.3%
SSP2 - CEPAM Medium	20.5%	23.9%	29.8%	40.6%	45.8%	53.9%	65.0%
SSP2 - CEPAM Double Migration	20.5%	23.8%	29.7%	40.5%	45.7%	53.8%	64.8%
SSP3 - Stalled Development	20.5%	18.6%	17.8%	17.8%	17.8%	17.8%	17.8%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	9.0	9.7	10.8	12.4	13.0	13.6	14.1
SSP2 - CEPAM Zero Migration	9.0	9.6	10.6	11.9	12.4	12.9	13.4
SSP2 - CEPAM Medium	9.0	9.6	10.6	11.9	12.3	12.9	13.4
SSP2 - CEPAM Double Migration	9.0	9.6	10.5	11.9	12.3	12.8	13.4
SSP3 - Stalled Development	9.0	9.3	9.8	10.3	10.3	10.3	10.3

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	2.49	2.14	1.79	1.49	1.44	1.41	1.39
SSP2 - CEPAM Zero Migration	2.59	2.33	2.05	1.73	1.67	1.63	1.60
SSP2 - CEPAM Medium	2.59	2.34	2.05	1.73	1.67	1.63	1.60
SSP2 - CEPAM Double Migration	2.59	2.34	2.05	1.73	1.67	1.63	1.60
SSP3 - Stalled Development	2.81	2.74	2.60	2.30	2.25	2.23	2.22
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	71.0	71.8	73.6	77.0	78.6	81.1	84.4
SSP2 - CEPAM Zero Migration	70.5	70.8	71.5	72.8	73.4	74.4	75.7
SSP2 - CEPAM Medium	70.5	70.8	71.4	72.7	73.4	74.4	75.7
SSP2 - CEPAM Double Migration	70.5	70.8	71.4	72.7	73.4	74.4	75.7
SSP3 - Stalled Development	69.9	69.5	68.8	67.4	66.8	65.9	64.8
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	9.3	9.5	9.9	10.5	10.6	10.5	9.9
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	9.2	9.6	10.3	11.8	12.5	13.3	13.8
SSP2 - CEPAM Double Migration	18.5	19.0	20.1	22.2	23.3	24.4	25.0
SSP3 - Stalled Development	6.2	3.2	0.0	0.0	0.0	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	24.4	25.8	28.6	34.6	37.4	40.1	42.9
Proportion age 65+	3.7%	4.5%	6.0%	11.8%	14.8%	17.2%	21.4%
Proportion RLE < 15 years	3.2%	3.5%	4.9%	8.4%	11.2%	12.9%	15.8%

Brazil

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	205.98	214.27	226.89	233.92	236.33	233.94
Proportion age 65+	8.0%	9.5%	13.5%	17.7%	22.8%	27.4%
Proportion below age 20	31.0%	28.4%	25.1%	22.6%	20.6%	19.1%
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	1.75	1.68	1.65	1.66	1.58	1.59
Life expectancy at birth (in years)						
Male	72.2	73.3	75.5	77.7	79.9	81.0
Female	79.4	80.4	82.4	84.4	86.4	88.4
Five-year net-migration flow (in thousands)	2.4	5.5	12.7	21.4	30.6	35.2

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	9.0%	7.6%	5.3%	3.7%	2.6%	1.7%
E2 - incomplete primary	15.0%	13.2%	10.2%	7.7%	5.5%	3.8%
E3 - primary	20.5%	19.7%	17.7%	15.4%	13.0%	10.5%
E4 - lower secondary	15.6%	16.0%	16.4%	16.3%	15.6%	14.5%
E5 - upper secondary	27.6%	30.2%	35.0%	39.5%	43.6%	47.1%
E6 - post-secondary	12.3%	13.4%	15.3%	17.4%	19.7%	22.3%
Mean years of schooling (in years)	6.7	7.2	8.1	8.8	9.5	10.1
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	1.02	1.03	1.07	1.11	1.15	1.19
E2 - incomplete primary	1.09	1.09	1.08	1.07	1.07	1.08
E3 - primary	1.08	1.08	1.09	1.10	1.11	1.12
E4 - lower secondary	1.06	1.07	1.10	1.13	1.16	1.20
E5 - upper secondary	0.97	0.98	0.99	1.02	1.04	1.07
E6 - post-secondary	0.79	0.78	0.76	0.74	0.73	0.71
Mean years of schooling (male minus female)	-0.1	-0.1	-0.1	-0.2	-0.2	-0.2
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	3.5%	2.6%	1.5%	0.7%	0.4%	0.2%
E2 - incomplete primary	6.8%	5.1%	3.4%	2.1%	1.0%	0.5%
E3 - primary	17.4%	15.5%	11.7%	7.8%	5.0%	3.1%
E4 - lower secondary	18.8%	18.0%	16.1%	14.1%	11.5%	9.0%
E5 - upper secondary	40.5%	43.8%	48.8%	53.6%	56.7%	57.9%
E6 - post-secondary	13.0%	15.0%	18.5%	21.7%	25.5%	29.4%
Mean years of schooling (in years)	9.0	9.6	10.3	10.9	11.4	11.8

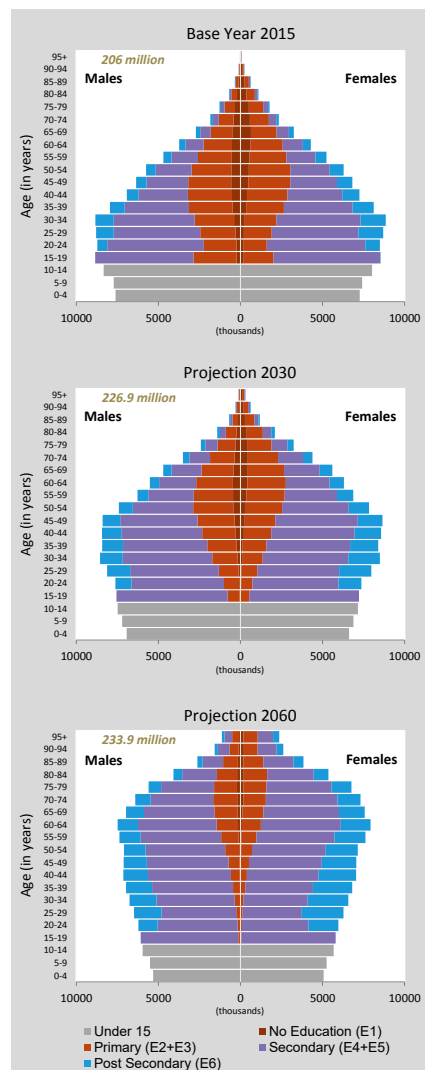
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

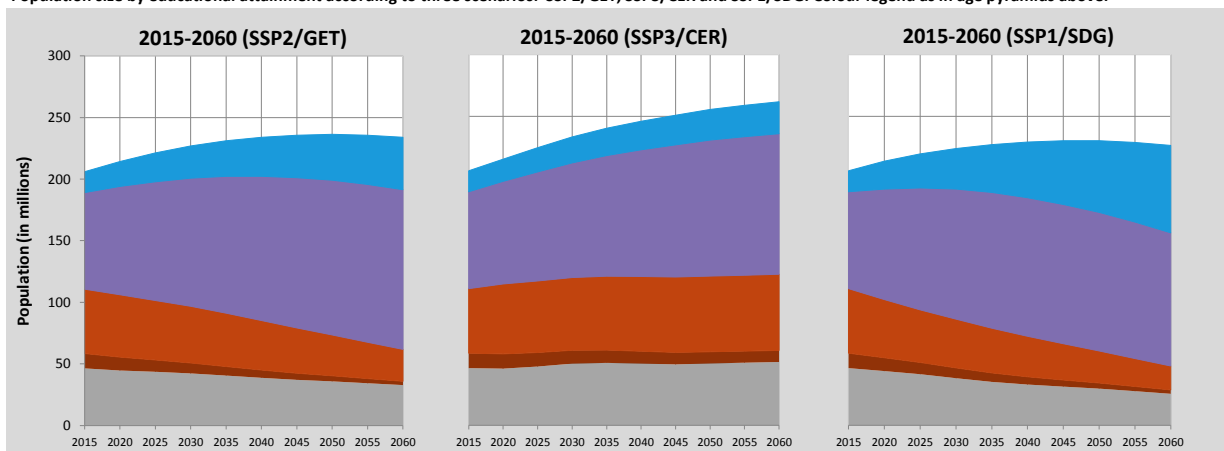
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

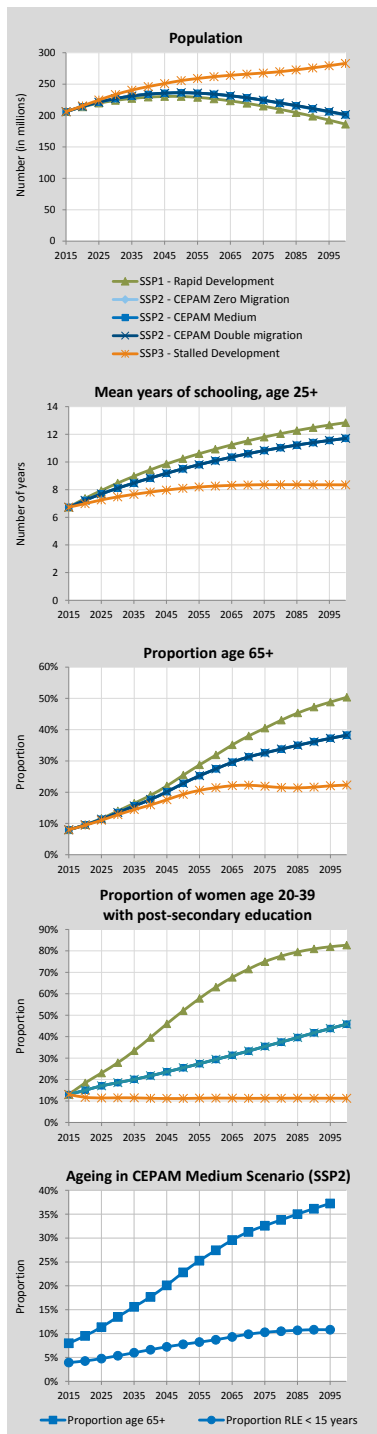
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Brazil (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	205.98	213.77	223.96	230.32	226.50	214.92	186.29
SSP2 - CEPAM Zero Migration	205.98	214.26	226.87	236.24	233.78	223.99	200.44
SSP2 - CEPAM Medium	205.98	214.27	226.89	236.33	233.94	224.30	201.09
SSP2 - CEPAM Double Migration	205.98	214.27	226.90	236.40	234.07	224.55	201.61
SSP3 - Stalled Development	205.98	215.39	233.37	255.60	261.81	267.75	283.04
Proportion age 65+							
SSP1 - Rapid Development	8.0%	9.6%	14.0%	25.4%	31.9%	40.5%	50.4%
SSP2 - CEPAM Zero Migration	8.0%	9.5%	13.5%	22.8%	27.5%	32.6%	38.3%
SSP2 - CEPAM Medium	8.0%	9.5%	13.5%	22.8%	27.4%	32.6%	38.3%
SSP2 - CEPAM Double Migration	8.0%	9.5%	13.5%	22.8%	27.4%	32.6%	38.2%
SSP3 - Stalled Development	8.0%	9.4%	12.8%	19.3%	21.4%	21.9%	22.3%
Proportion below age 20							
SSP1 - Rapid Development	31.0%	28.2%	23.7%	17.7%	15.7%	13.2%	11.2%
SSP2 - CEPAM Zero Migration	31.0%	28.4%	25.2%	20.6%	19.1%	17.4%	16.0%
SSP2 - CEPAM Medium	31.0%	28.4%	25.1%	20.6%	19.1%	17.4%	16.0%
SSP2 - CEPAM Double Migration	31.0%	28.4%	25.1%	20.6%	19.1%	17.4%	16.0%
SSP3 - Stalled Development	31.0%	28.9%	27.7%	26.1%	25.9%	25.6%	26.1%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	13.0%	18.4%	27.9%	52.1%	63.1%	75.0%	82.7%
SSP2 - CEPAM Zero Migration	13.0%	15.0%	18.5%	25.5%	29.4%	35.4%	45.8%
SSP2 - CEPAM Medium	13.0%	15.0%	18.5%	25.5%	29.4%	35.5%	45.8%
SSP2 - CEPAM Double Migration	13.0%	15.0%	18.6%	25.5%	29.4%	35.5%	45.9%
SSP3 - Stalled Development	13.0%	11.7%	11.5%	11.2%	11.4%	11.3%	11.3%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	6.7	7.4	8.5	10.2	10.9	11.8	12.8
SSP2 - CEPAM Zero Migration	6.7	7.2	8.1	9.5	10.1	10.8	11.7
SSP2 - CEPAM Medium	6.7	7.2	8.1	9.5	10.1	10.8	11.7
SSP2 - CEPAM Double Migration	6.7	7.2	8.1	9.5	10.1	10.8	11.7
SSP3 - Stalled Development	6.7	7.0	7.5	8.1	8.3	8.4	8.3

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.67	1.50	1.40	1.34	1.34	1.33	1.39
SSP2 - CEPAM Zero Migration	1.75	1.68	1.65	1.58	1.59	1.56	1.61
SSP2 - CEPAM Medium	1.75	1.68	1.65	1.58	1.59	1.56	1.61
SSP2 - CEPAM Double Migration	1.75	1.68	1.65	1.58	1.59	1.56	1.61
SSP3 - Stalled Development	1.91	2.02	2.15	2.13	2.14	2.16	2.22
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	79.9	81.4	84.5	90.5	93.5	98.1	104.1
SSP2 - CEPAM Zero Migration	79.4	80.4	82.4	86.4	88.4	91.4	95.4
SSP2 - CEPAM Medium	79.4	80.4	82.4	86.4	88.4	91.4	95.4
SSP2 - CEPAM Double Migration	79.4	80.4	82.4	86.4	88.4	91.4	95.4
SSP3 - Stalled Development	78.9	79.3	80.2	82.0	82.8	84.1	85.9
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	2.4	5.1	9.8	20.3	24.9	29.9	32.0
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	2.4	5.5	12.7	30.6	39.7	51.4	61.4
SSP2 - CEPAM Double Migration	4.8	10.2	22.8	55.2	71.9	93.7	112.6
SSP3 - Stalled Development	1.6	2.0	0.0	0.1	0.1	0.1	0.1

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	31.3	33.4	37.5	44.6	47.1	50.5	53.9
Proportion age 65+	8.0%	9.5%	13.5%	22.8%	27.4%	32.6%	37.2%
Proportion RLE < 15 years	3.8%	4.1%	5.1%	7.7%	8.6%	10.4%	11.2%

Brunei

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	0.42	0.45	0.50	0.54	0.57	0.59
Proportion age 65+	4.1%	5.6%	10.2%	16.0%	22.0%	26.6%
Proportion below age 20	32.2%	29.7%	26.4%	23.1%	20.9%	19.6%
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	1.86	1.82	1.76	1.72	1.69	1.67
Life expectancy at birth (in years)						
Male	75.9	77.1	79.5	81.9	84.3	85.5
Female	79.2	80.4	82.9	85.5	88.0	90.5
Five-year net-migration flow (in thousands)	4.2	4.3	4.6	5.0	5.4	5.5

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	6.8%	6.0%	4.4%	3.4%	2.6%	2.0%
E2 - incomplete primary	6.7%	5.8%	4.4%	3.3%	2.4%	1.7%
E3 - primary	34.0%	31.4%	26.2%	21.3%	16.6%	12.4%
E4 - lower secondary	17.0%	17.4%	18.1%	17.8%	16.9%	15.4%
E5 - upper secondary	26.0%	28.3%	32.6%	36.4%	39.6%	41.8%
E6 - post-secondary	9.5%	11.2%	14.3%	17.8%	22.0%	26.8%
Mean years of schooling (in years)	9.2	9.6	10.3	11.0	11.7	12.3
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.56	0.58	0.63	0.69	0.77	0.85
E2 - incomplete primary	0.80	0.81	0.84	0.87	0.93	1.02
E3 - primary	0.91	0.90	0.89	0.88	0.87	0.88
E4 - lower secondary	1.10	1.10	1.09	1.08	1.08	1.08
E5 - upper secondary	1.28	1.23	1.17	1.14	1.13	1.13
E6 - post-secondary	1.05	1.02	0.95	0.90	0.87	0.85
Mean years of schooling (male minus female)	0.4	0.4	0.2	0.1	0.1	0.0
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	1.9%	1.9%	1.1%	0.8%	0.6%	0.4%
E2 - incomplete primary	2.9%	2.3%	1.1%	0.6%	0.4%	0.3%
E3 - primary	25.1%	20.2%	12.6%	7.0%	3.7%	2.0%
E4 - lower secondary	20.5%	19.8%	18.4%	14.9%	10.9%	7.3%
E5 - upper secondary	38.2%	41.2%	46.3%	50.0%	50.9%	49.2%
E6 - post-secondary	11.4%	14.7%	20.5%	26.7%	33.6%	40.8%
Mean years of schooling (in years)	10.7	11.2	12.3	13.1	13.8	14.3

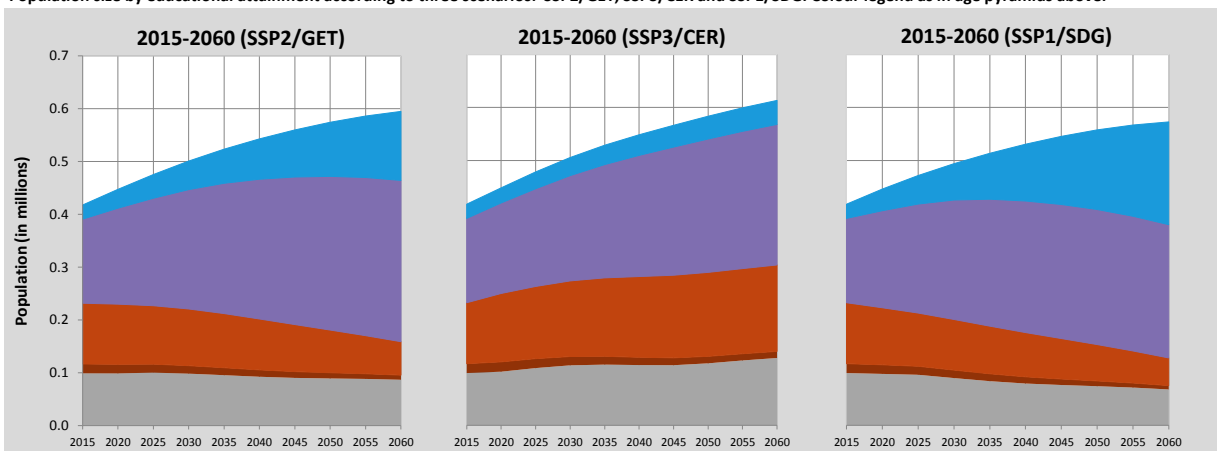
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

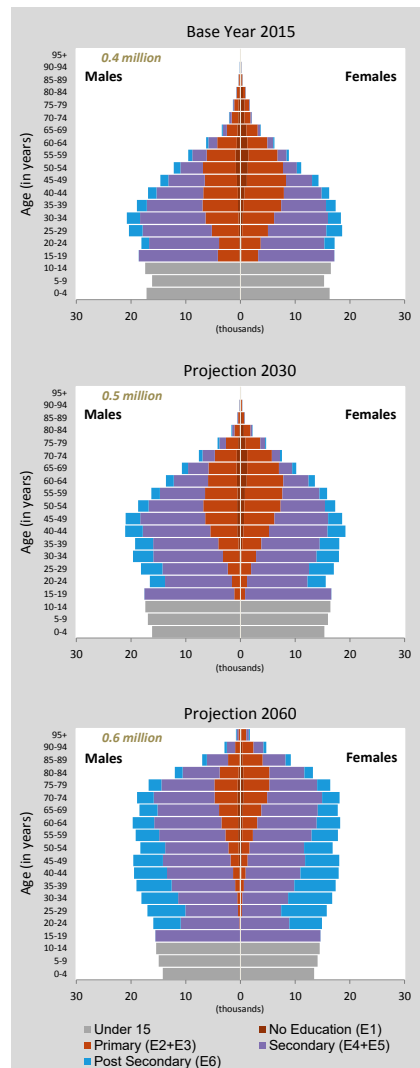
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

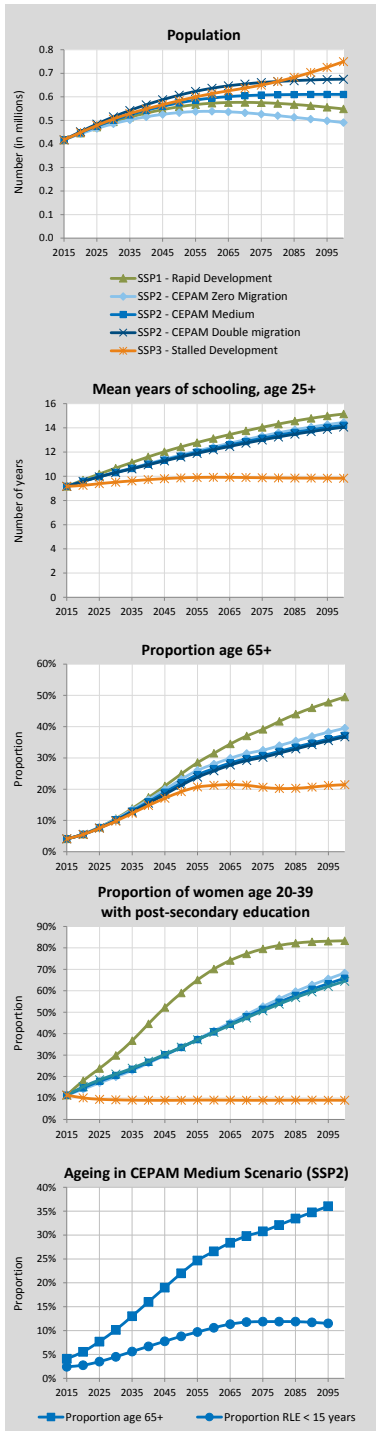
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



Brunei (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	0.42	0.45	0.49	0.56	0.57	0.58	0.55
SSP2 - CEPAM Zero Migration	0.42	0.44	0.49	0.53	0.54	0.53	0.49
SSP2 - CEPAM Medium	0.42	0.45	0.50	0.57	0.59	0.61	0.61
SSP2 - CEPAM Double Migration	0.42	0.45	0.51	0.61	0.64	0.66	0.68
SSP3 - Stalled Development	0.42	0.45	0.51	0.58	0.61	0.65	0.75
Proportion age 65+							
SSP1 - Rapid Development	4.1%	5.6%	10.6%	24.9%	31.5%	39.1%	49.5%
SSP2 - CEPAM Zero Migration	4.1%	5.6%	10.4%	23.2%	28.0%	32.5%	39.5%
SSP2 - CEPAM Medium	4.1%	5.6%	10.2%	22.0%	26.6%	30.8%	37.2%
SSP2 - CEPAM Double Migration	4.1%	5.5%	9.9%	21.2%	25.8%	30.2%	36.7%
SSP3 - Stalled Development	4.1%	5.5%	9.8%	19.2%	21.2%	20.6%	21.4%
Proportion below age 20							
SSP1 - Rapid Development	32.2%	29.4%	25.0%	18.0%	16.2%	13.7%	11.3%
SSP2 - CEPAM Zero Migration	32.2%	29.7%	26.4%	20.8%	19.5%	17.5%	15.5%
SSP2 - CEPAM Medium	32.2%	29.7%	26.4%	20.9%	19.6%	17.8%	15.8%
SSP2 - CEPAM Double Migration	32.2%	29.6%	26.4%	21.1%	19.7%	17.9%	16.0%
SSP3 - Stalled Development	32.2%	30.2%	29.1%	26.5%	27.1%	27.2%	27.7%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	11.4%	18.1%	29.9%	59.0%	70.2%	79.5%	83.3%
SSP2 - CEPAM Zero Migration	11.4%	14.1%	19.9%	33.6%	41.3%	52.7%	68.3%
SSP2 - CEPAM Medium	11.4%	14.7%	20.5%	33.6%	40.8%	51.4%	65.9%
SSP2 - CEPAM Double Migration	11.4%	15.3%	21.2%	33.7%	40.6%	50.6%	64.4%
SSP3 - Stalled Development	11.4%	10.0%	9.2%	9.0%	9.0%	8.9%	8.9%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	9.2	9.7	10.7	12.4	13.1	14.0	15.1
SSP2 - CEPAM Zero Migration	9.2	9.6	10.3	11.8	12.4	13.3	14.4
SSP2 - CEPAM Medium	9.2	9.6	10.3	11.7	12.3	13.1	14.2
SSP2 - CEPAM Double Migration	9.2	9.6	10.3	11.6	12.2	13.0	14.1
SSP3 - Stalled Development	9.2	9.2	9.5	9.9	9.9	9.9	9.8

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.77	1.64	1.50	1.43	1.41	1.39	1.40
SSP2 - CEPAM Zero Migration	1.86	1.82	1.76	1.69	1.65	1.61	1.61
SSP2 - CEPAM Medium	1.86	1.82	1.76	1.69	1.65	1.62	1.61
SSP2 - CEPAM Double Migration	1.86	1.82	1.76	1.69	1.66	1.62	1.62
SSP3 - Stalled Development	2.03	2.18	2.29	2.35	2.36	2.39	2.48
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	79.7	81.4	85.0	92.0	95.5	100.8	107.9
SSP2 - CEPAM Zero Migration	79.2	80.4	82.9	88.0	90.5	94.3	99.3
SSP2 - CEPAM Medium	79.2	80.4	82.9	88.0	90.5	94.3	99.3
SSP2 - CEPAM Double Migration	79.2	80.4	82.9	88.0	90.5	94.2	99.2
SSP3 - Stalled Development	78.7	79.4	80.8	83.7	85.1	87.0	89.7
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	4.2	4.3	4.3	4.2	4.1	3.7	2.8
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	4.2	4.3	4.6	5.4	5.7	5.9	5.6
SSP2 - CEPAM Double Migration	8.4	8.3	8.1	8.3	8.2	8.0	6.7
SSP3 - Stalled Development	2.8	1.5	0.0	0.0	0.0	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	30.0	32.4	36.7	43.7	46.1	49.4	52.8
Proportion age 65+	4.1%	5.6%	10.2%	22.0%	26.6%	30.8%	36.0%
Proportion RLE < 15 years	2.3%	2.6%	4.1%	8.4%	10.0%	11.6%	11.4%

Burkina Faso

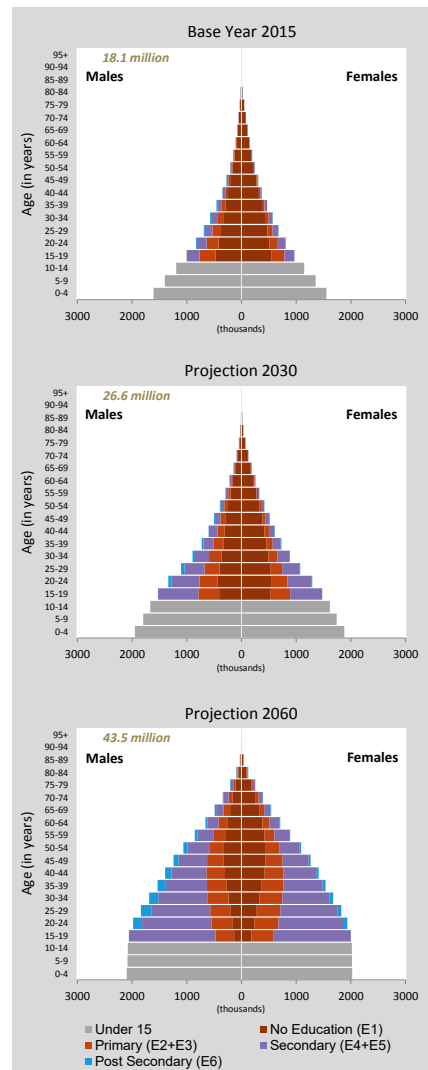
Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	18.11	20.82	26.57	32.61	38.41	43.49
Proportion age 65+	2.4%	2.4%	2.8%	3.5%	4.5%	5.8%
Proportion below age 20	56.4%	55.3%	51.3%	46.7%	42.2%	37.6%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	5.15	4.65	3.79	3.14	2.65	2.47
Life expectancy at birth (in years)						
Male	60.1	61.1	63.1	65.0	67.0	68.0
Female	61.6	62.7	65.0	67.2	69.5	71.8
Five-year net-migration flow (in thousands)	-150.3	-179.8	-243.8	-312.1	-377.9	-408.1

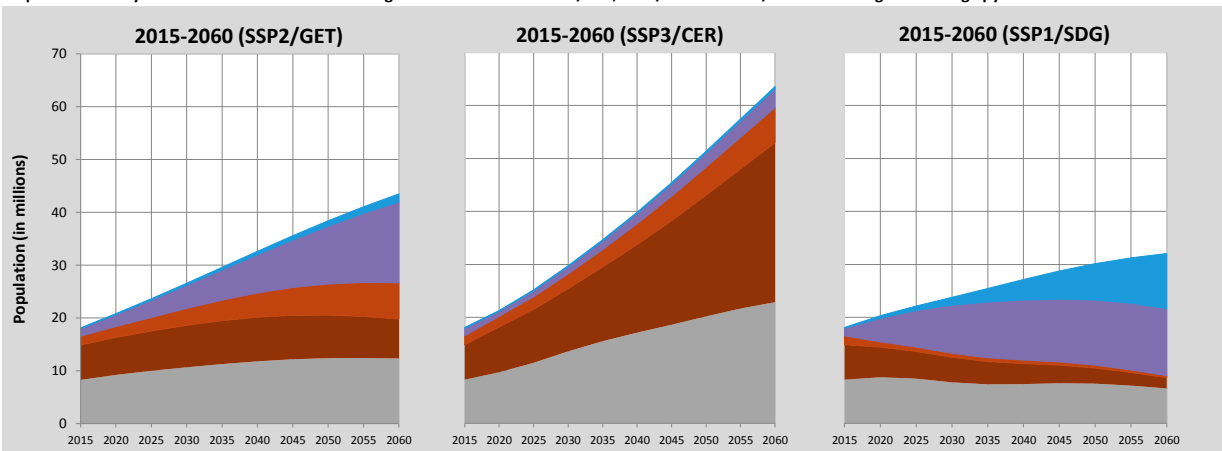
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	74.6%	69.3%	58.6%	47.9%	37.9%	29.1%
E2 - incomplete primary	6.7%	7.5%	9.0%	9.9%	10.4%	10.2%
E3 - primary	5.5%	6.5%	8.7%	10.7%	12.0%	12.8%
E4 - lower secondary	7.5%	9.2%	13.0%	17.0%	20.7%	24.2%
E5 - upper secondary	4.0%	5.2%	7.8%	10.8%	14.3%	18.2%
E6 - post-secondary	1.8%	2.2%	2.9%	3.7%	4.6%	5.6%
Mean years of schooling (in years)	2.2	2.7	3.8	4.9	6.0	7.1
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.81	0.79	0.76	0.75	0.73	0.71
E2 - incomplete primary	1.87	1.70	1.52	1.35	1.25	1.16
E3 - primary	1.87	1.79	1.47	1.18	1.02	0.93
E4 - lower secondary	1.50	1.36	1.18	1.07	1.00	0.95
E5 - upper secondary	2.28	2.05	1.73	1.53	1.42	1.35
E6 - post-secondary	3.61	3.06	2.80	2.77	2.74	2.68
Mean years of schooling (male minus female)	0.7	0.7	0.8	0.8	0.7	0.7
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	63.1%	56.4%	44.0%	33.1%	23.0%	14.9%
E2 - incomplete primary	10.1%	10.3%	10.9%	11.0%	10.6%	9.2%
E3 - primary	8.0%	9.2%	11.7%	13.2%	14.0%	13.5%
E4 - lower secondary	11.1%	13.6%	18.4%	22.8%	26.5%	29.4%
E5 - upper secondary	6.0%	8.1%	11.8%	15.7%	20.6%	26.4%
E6 - post-secondary	1.8%	2.4%	3.2%	4.2%	5.3%	6.5%
Mean years of schooling (in years)	2.4	3.1	4.5	5.8	7.1	8.3

Education scenarios
 SSP2/GET: Global Education Trend Scenario (Medium assumption)
 SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)
 SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

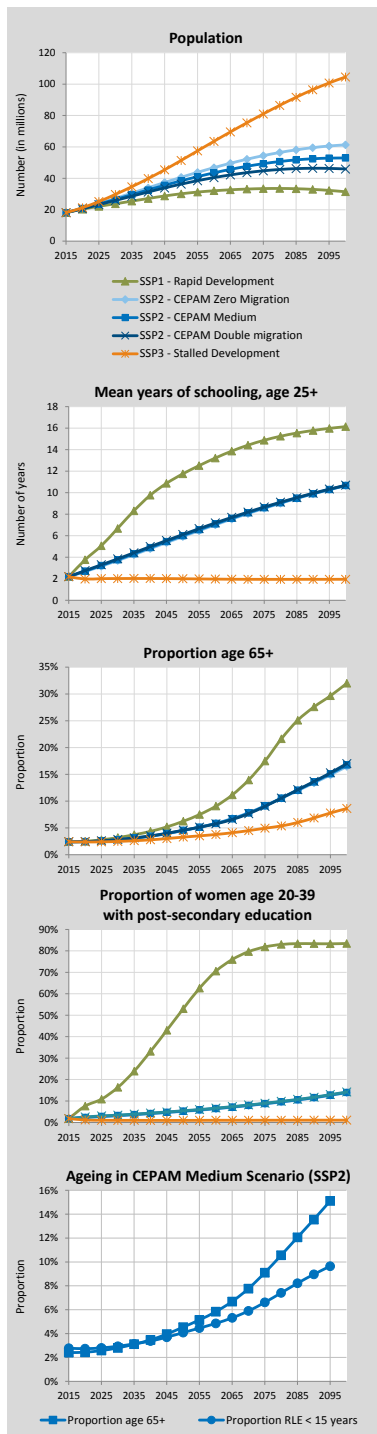
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Burkina Faso (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)

	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	18.11	20.34	23.80	30.15	32.08	33.46	31.45
SSP2 - CEPAM Zero Migration	18.11	20.99	27.25	40.66	46.81	54.45	61.34
SSP2 - CEPAM Medium	18.11	20.82	26.57	38.41	43.49	49.33	52.98
SSP2 - CEPAM Double Migration	18.11	20.65	25.91	36.30	40.46	44.79	45.97
SSP3 - Stalled Development	18.11	21.30	29.77	51.38	63.58	81.02	104.55
Proportion age 65+							
SSP1 - Rapid Development	2.4%	2.5%	3.2%	6.2%	9.1%	17.5%	32.0%
SSP2 - CEPAM Zero Migration	2.4%	2.4%	2.8%	4.5%	5.9%	9.1%	16.4%
SSP2 - CEPAM Medium	2.4%	2.4%	2.8%	4.5%	5.8%	9.1%	16.7%
SSP2 - CEPAM Double Migration	2.4%	2.4%	2.8%	4.6%	5.8%	9.0%	17.0%
SSP3 - Stalled Development	2.4%	2.4%	2.5%	3.3%	3.8%	4.9%	8.6%
Proportion below age 20							
SSP1 - Rapid Development	56.4%	54.2%	45.2%	32.9%	28.4%	22.1%	15.7%
SSP2 - CEPAM Zero Migration	56.4%	55.1%	50.9%	41.5%	36.9%	31.1%	24.4%
SSP2 - CEPAM Medium	56.4%	55.3%	51.3%	42.2%	37.6%	31.7%	24.8%
SSP2 - CEPAM Double Migration	56.4%	55.5%	51.8%	43.0%	38.4%	32.3%	25.2%
SSP3 - Stalled Development	56.4%	56.2%	55.8%	50.1%	46.3%	40.1%	33.0%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	1.8%	7.6%	16.4%	53.0%	70.6%	81.9%	83.5%
SSP2 - CEPAM Zero Migration	1.8%	2.2%	3.0%	5.1%	6.4%	8.7%	13.8%
SSP2 - CEPAM Medium	1.8%	2.4%	3.2%	5.3%	6.5%	8.8%	14.0%
SSP2 - CEPAM Double Migration	1.8%	2.5%	3.4%	5.5%	6.7%	9.0%	14.2%
SSP3 - Stalled Development	1.8%	1.2%	1.0%	1.0%	1.0%	1.0%	1.1%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	2.2	3.8	6.7	11.8	13.2	14.9	16.1
SSP2 - CEPAM Zero Migration	2.2	2.7	3.7	5.9	7.0	8.5	10.7
SSP2 - CEPAM Medium	2.2	2.7	3.8	6.0	7.1	8.6	10.7
SSP2 - CEPAM Double Migration	2.2	2.8	3.8	6.1	7.2	8.7	10.7
SSP3 - Stalled Development	2.2	2.0	2.0	2.0	2.0	1.9	2.0

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	4.45	3.38	2.41	1.86	1.69	1.49	1.30
SSP2 - CEPAM Zero Migration	5.15	4.66	3.79	2.65	2.31	2.00	1.77
SSP2 - CEPAM Medium	5.15	4.65	3.79	2.65	2.31	2.00	1.77
SSP2 - CEPAM Double Migration	5.14	4.64	3.79	2.65	2.31	2.00	1.77
SSP3 - Stalled Development	5.78	5.88	5.37	3.80	3.21	2.67	2.34
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	62.3	64.5	68.5	75.2	78.4	83.4	90.1
SSP2 - CEPAM Zero Migration	61.6	62.7	64.9	69.5	71.7	75.1	79.7
SSP2 - CEPAM Medium	61.6	62.7	65.0	69.5	71.8	75.2	79.7
SSP2 - CEPAM Double Migration	61.6	62.7	65.0	69.6	71.8	75.2	79.7
SSP3 - Stalled Development	61.0	61.4	62.3	64.0	64.7	66.0	68.0
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-150.5	-174.7	-212.3	-283.4	-305.2	-321.0	-307.0
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-150.3	-179.8	-243.8	-377.9	-435.8	-501.5	-538.5
SSP2 - CEPAM Double Migration	-300.7	-355.6	-472.0	-705.3	-798.7	-893.9	-919.5
SSP3 - Stalled Development	-100.2	-61.8	-0.3	-0.5	-0.6	-0.8	-1.1

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	17.0	17.6	19.4	24.1	27.0	31.6	37.6
Proportion age 65+	2.4%	2.4%	2.8%	4.5%	5.8%	9.1%	15.1%
Proportion RLE < 15 years	3.2%	3.1%	3.2%	4.2%	4.9%	6.5%	9.5%

Burundi

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	10.20	11.58	13.85	15.91	17.58	18.56
Proportion age 65+	2.5%	2.8%	3.7%	4.1%	5.5%	8.0%
Proportion below age 20	55.0%	54.6%	49.5%	41.4%	36.7%	31.6%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	4.98	4.03	3.03	2.37	2.02	1.93
Life expectancy at birth (in years)						
Male	56.1	57.2	59.4	61.6	63.8	65.0
Female	60.0	61.0	63.0	65.0	67.0	69.0
Five-year net-migration flow (in thousands)	-121.9	-140.2	-169.7	-196.3	-217.5	-224.4

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	47.3%	39.5%	29.1%	20.5%	14.4%	10.1%
E2 - incomplete primary	21.8%	22.8%	21.0%	17.7%	14.6%	11.8%
E3 - primary	22.2%	26.5%	33.4%	38.0%	39.9%	39.5%
E4 - lower secondary	3.8%	4.6%	6.7%	9.6%	12.5%	14.9%
E5 - upper secondary	2.6%	3.6%	5.7%	8.7%	12.0%	15.7%
E6 - post-secondary	2.3%	3.0%	4.1%	5.4%	6.6%	7.9%
Mean years of schooling (in years)	3.4	4.1	5.2	6.3	7.3	8.1
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.71	0.70	0.69	0.74	0.80	0.87
E2 - incomplete primary	1.25	1.19	1.11	1.01	0.95	0.92
E3 - primary	1.36	1.21	1.09	1.00	0.96	0.94
E4 - lower secondary	1.31	1.10	0.92	0.83	0.78	0.74
E5 - upper secondary	1.73	1.69	1.59	1.46	1.35	1.27
E6 - post-secondary	2.49	2.46	2.35	2.24	2.11	1.98
Mean years of schooling (male minus female)	0.6	0.6	0.6	0.5	0.4	0.4
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	26.8%	21.6%	14.4%	10.5%	6.8%	3.7%
E2 - incomplete primary	28.3%	25.8%	18.6%	12.2%	8.5%	5.4%
E3 - primary	30.7%	35.1%	41.7%	42.8%	40.8%	36.1%
E4 - lower secondary	6.9%	7.7%	10.4%	14.1%	17.3%	19.9%
E5 - upper secondary	4.6%	6.3%	9.9%	14.1%	18.8%	25.3%
E6 - post-secondary	2.6%	3.6%	5.0%	6.3%	7.8%	9.7%
Mean years of schooling (in years)	4.3	5.1	6.4	7.5	8.5	9.5

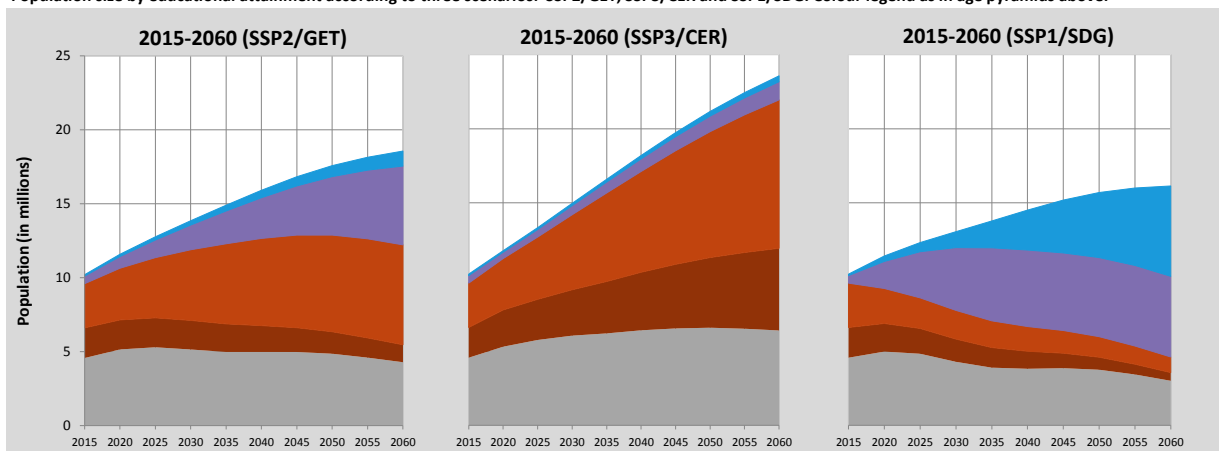
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

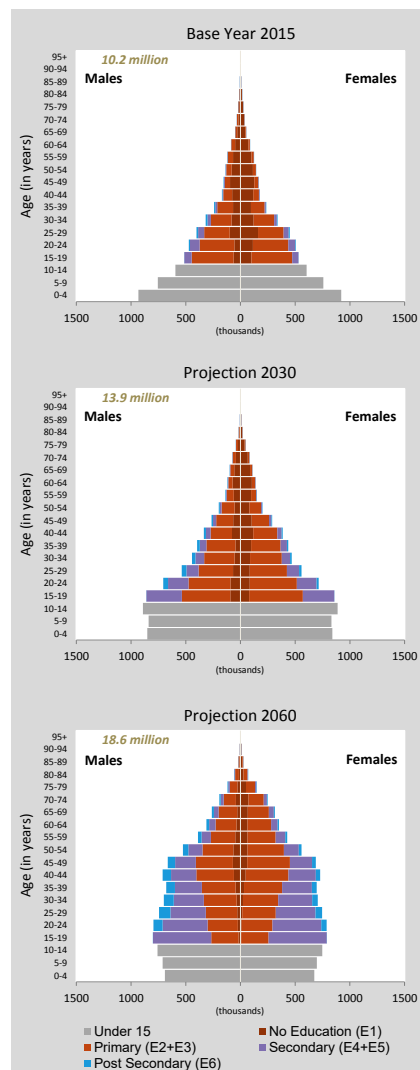
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

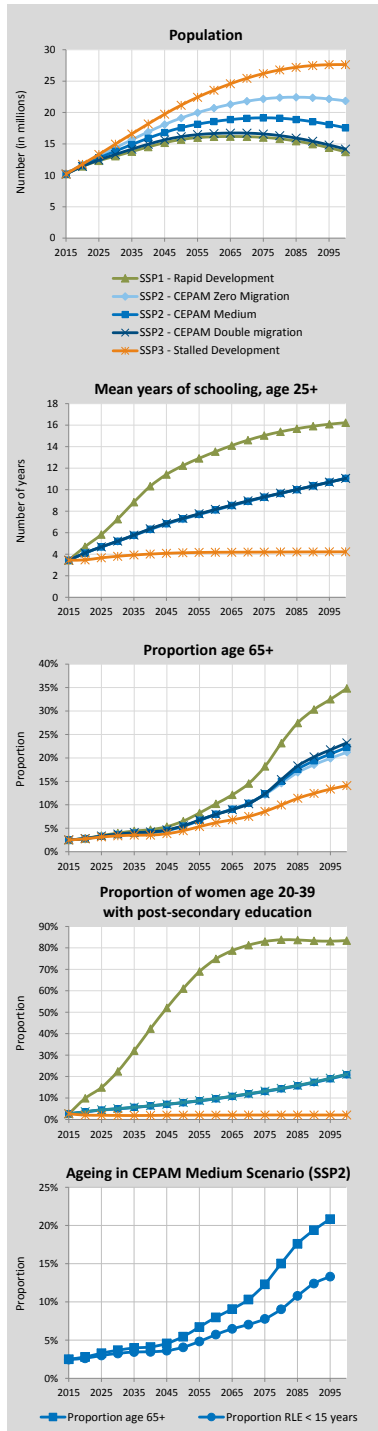
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



Burundi (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	10.20	11.42	13.06	15.70	16.14	16.04	13.74
SSP2 - CEPAM Zero Migration	10.20	11.73	14.39	19.12	20.70	22.16	21.86
SSP2 - CEPAM Medium	10.20	11.58	13.85	17.58	18.56	19.16	17.57
SSP2 - CEPAM Double Migration	10.20	11.44	13.33	16.16	16.66	16.59	14.18
SSP3 - Stalled Development	10.20	11.78	14.97	21.16	23.57	26.20	27.64
Proportion age 65+							
SSP1 - Rapid Development	2.5%	2.8%	4.0%	6.5%	10.2%	18.2%	34.8%
SSP2 - CEPAM Zero Migration	2.5%	2.8%	3.6%	5.4%	8.0%	12.2%	21.2%
SSP2 - CEPAM Medium	2.5%	2.8%	3.7%	5.5%	8.0%	12.3%	22.2%
SSP2 - CEPAM Double Migration	2.5%	2.8%	3.8%	5.5%	8.0%	12.4%	23.2%
SSP3 - Stalled Development	2.5%	2.7%	3.4%	4.5%	6.2%	8.6%	14.1%
Proportion below age 20							
SSP1 - Rapid Development	55.0%	53.9%	46.0%	31.7%	26.4%	19.7%	13.9%
SSP2 - CEPAM Zero Migration	55.0%	54.3%	49.0%	36.1%	31.1%	25.9%	21.3%
SSP2 - CEPAM Medium	55.0%	54.6%	49.5%	36.7%	31.6%	26.2%	21.3%
SSP2 - CEPAM Double Migration	55.0%	54.9%	50.1%	37.4%	32.2%	26.5%	21.2%
SSP3 - Stalled Development	55.0%	55.1%	52.0%	40.9%	36.2%	31.5%	27.9%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	2.6%	9.9%	22.4%	61.0%	74.9%	83.0%	83.4%
SSP2 - CEPAM Zero Migration	2.6%	3.5%	4.9%	7.8%	9.6%	12.9%	20.7%
SSP2 - CEPAM Medium	2.6%	3.6%	5.0%	7.8%	9.7%	13.1%	20.9%
SSP2 - CEPAM Double Migration	2.6%	3.6%	5.1%	7.9%	9.8%	13.2%	21.1%
SSP3 - Stalled Development	2.6%	2.0%	1.9%	2.0%	2.0%	2.1%	2.1%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	3.4	4.7	7.3	12.2	13.5	15.0	16.2
SSP2 - CEPAM Zero Migration	3.4	4.1	5.2	7.3	8.1	9.3	11.1
SSP2 - CEPAM Medium	3.4	4.1	5.2	7.3	8.1	9.3	11.1
SSP2 - CEPAM Double Migration	3.4	4.1	5.2	7.3	8.2	9.3	11.0
SSP3 - Stalled Development	3.4	3.5	3.8	4.1	4.2	4.2	4.2

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	4.54	3.31	2.32	1.59	1.46	1.36	1.25
SSP2 - CEPAM Zero Migration	4.98	4.03	3.03	2.02	1.87	1.76	1.65
SSP2 - CEPAM Medium	4.98	4.03	3.03	2.02	1.87	1.76	1.65
SSP2 - CEPAM Double Migration	4.98	4.03	3.03	2.02	1.87	1.76	1.65
SSP3 - Stalled Development	5.40	4.71	3.80	2.53	2.33	2.23	2.16
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	60.7	62.8	66.9	73.3	76.1	80.4	86.2
SSP2 - CEPAM Zero Migration	60.0	61.0	63.0	67.0	69.0	72.0	76.0
SSP2 - CEPAM Medium	60.0	61.0	63.0	67.0	69.0	72.0	76.0
SSP2 - CEPAM Double Migration	60.0	61.0	63.0	67.0	69.0	72.0	76.0
SSP3 - Stalled Development	59.4	59.7	60.2	61.2	61.7	62.4	63.5
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-122.0	-138.3	-160.0	-194.6	-199.8	-196.9	-172.4
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-121.9	-140.2	-169.7	-217.5	-229.2	-234.3	-216.2
SSP2 - CEPAM Double Migration	-243.8	-276.5	-325.2	-396.6	-406.9	-399.7	-345.1
SSP3 - Stalled Development	-81.3	-47.6	-0.2	-0.2	-0.3	-0.3	-0.3

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	17.6	17.7	20.2	27.6	31.2	36.5	42.7
Proportion age 65+	2.5%	2.8%	3.7%	5.5%	8.0%	12.3%	20.8%
Proportion RLE < 15 years	2.4%	2.5%	3.2%	4.0%	5.9%	8.0%	13.6%

Cambodia

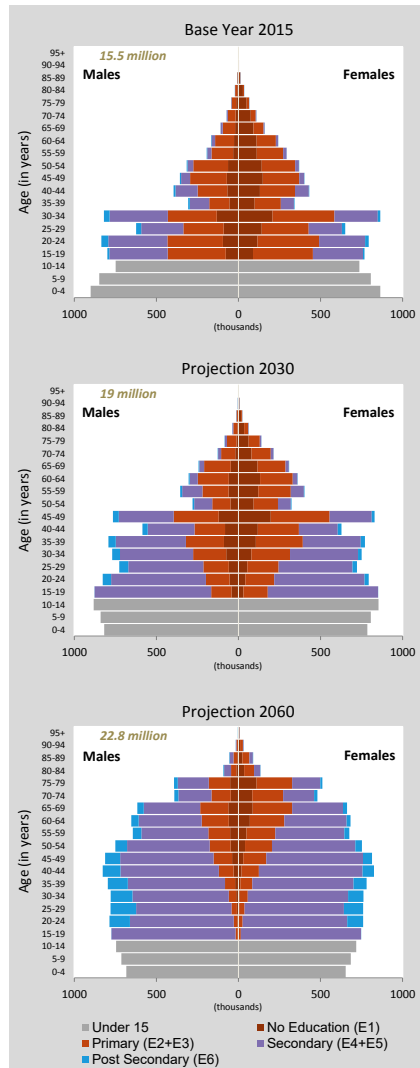
Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	15.51	16.81	18.96	20.74	22.09	22.84
Proportion age 65+	4.1%	4.8%	6.7%	8.4%	11.6%	15.2%
Proportion below age 20	41.7%	39.4%	35.4%	30.7%	27.7%	25.0%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	2.47	2.28	2.06	1.91	1.80	1.75
Life expectancy at birth (in years)						
Male	67.2	68.1	70.0	71.8	73.6	74.5
Female	71.5	72.4	74.2	76.1	77.9	79.8
Five-year net-migration flow (in thousands)	-29.8	-34.1	-40.5	-45.4	-48.5	-49.0

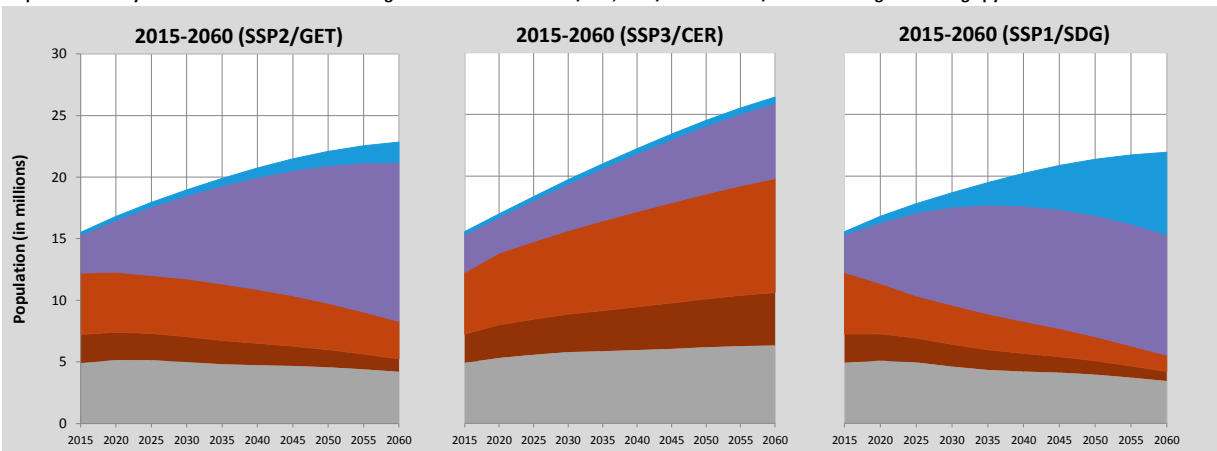
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	26.3%	22.9%	17.8%	13.4%	9.7%	6.6%
E2 - incomplete primary	23.9%	20.8%	15.4%	11.0%	7.4%	4.8%
E3 - primary	23.9%	24.0%	23.2%	20.9%	17.7%	14.3%
E4 - lower secondary	16.5%	20.2%	26.1%	30.3%	32.6%	32.8%
E5 - upper secondary	7.2%	9.4%	13.9%	19.5%	25.8%	32.2%
E6 - post-secondary	2.1%	2.7%	3.6%	5.0%	6.9%	9.3%
Mean years of schooling (in years)	4.6	5.3	6.5	7.8	8.9	10.0
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.52	0.55	0.61	0.68	0.74	0.81
E2 - incomplete primary	0.90	0.84	0.77	0.72	0.69	0.68
E3 - primary	1.25	1.13	0.99	0.90	0.84	0.80
E4 - lower secondary	1.42	1.31	1.18	1.08	1.02	0.98
E5 - upper secondary	2.25	1.93	1.53	1.31	1.18	1.09
E6 - post-secondary	2.70	2.33	2.16	1.98	1.78	1.60
Mean years of schooling (male minus female)	0.8	0.8	0.7	0.6	0.5	0.4
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	17.9%	15.0%	9.1%	5.1%	2.7%	1.2%
E2 - incomplete primary	16.1%	12.3%	6.4%	3.5%	1.8%	0.8%
E3 - primary	26.0%	24.2%	19.9%	13.9%	8.8%	4.7%
E4 - lower secondary	24.5%	29.0%	35.9%	36.8%	33.8%	27.8%
E5 - upper secondary	12.1%	15.5%	23.8%	33.5%	42.4%	50.6%
E6 - post-secondary	3.4%	3.9%	4.9%	7.2%	10.5%	14.9%
Mean years of schooling (in years)	5.5	6.5	8.6	10.2	11.2	12.2

Education scenarios
 SSP2/GET: Global Education Trend Scenario (Medium assumption)
 SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)
 SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

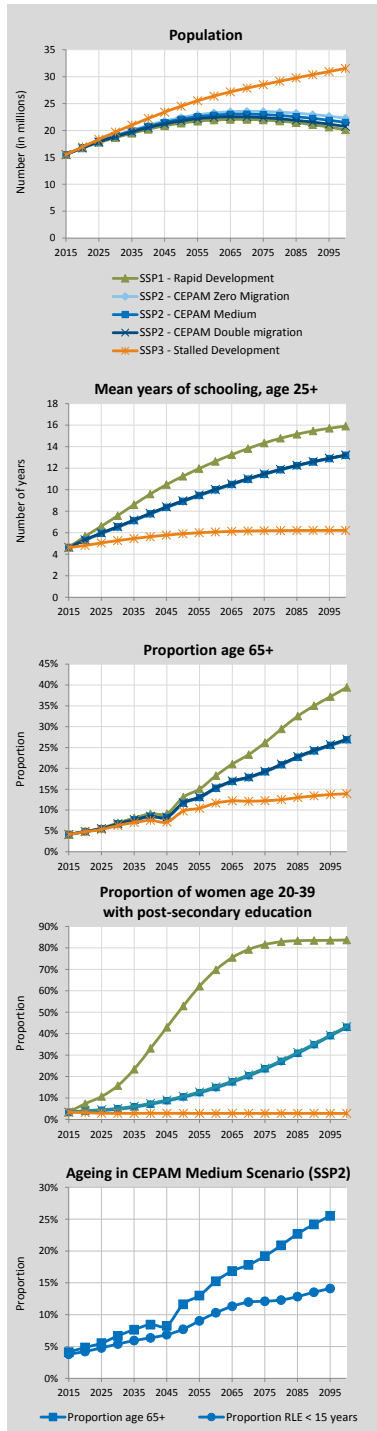
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Cambodia (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	15.51	16.75	18.66	21.36	21.94	21.95	20.13
SSP2 - CEPAM Zero Migration	15.51	16.84	19.07	22.40	23.27	23.53	22.28
SSP2 - CEPAM Medium	15.51	16.81	18.96	22.09	22.84	22.95	21.50
SSP2 - CEPAM Double Migration	15.51	16.78	18.85	21.78	22.42	22.37	20.74
SSP3 - Stalled Development	15.51	16.95	19.71	24.51	26.40	28.51	31.52
Proportion age 65+							
SSP1 - Rapid Development	4.1%	4.9%	6.9%	13.1%	18.2%	26.1%	39.4%
SSP2 - CEPAM Zero Migration	4.1%	4.8%	6.6%	11.5%	15.1%	19.1%	26.7%
SSP2 - CEPAM Medium	4.1%	4.8%	6.7%	11.6%	15.2%	19.2%	26.9%
SSP2 - CEPAM Double Migration	4.1%	4.9%	6.7%	11.7%	15.4%	19.3%	27.0%
SSP3 - Stalled Development	4.1%	4.8%	6.3%	9.8%	11.7%	12.2%	13.9%
Proportion below age 20							
SSP1 - Rapid Development	41.7%	39.1%	33.9%	25.0%	21.6%	17.7%	13.6%
SSP2 - CEPAM Zero Migration	41.7%	39.4%	35.3%	27.6%	24.9%	22.0%	18.7%
SSP2 - CEPAM Medium	41.7%	39.4%	35.4%	27.7%	25.0%	22.0%	18.7%
SSP2 - CEPAM Double Migration	41.7%	39.5%	35.5%	27.8%	25.1%	22.1%	18.8%
SSP3 - Stalled Development	41.7%	39.9%	38.0%	33.0%	31.6%	30.2%	29.4%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	3.4%	7.4%	15.7%	52.9%	69.8%	81.6%	83.7%
SSP2 - CEPAM Zero Migration	3.4%	3.7%	4.6%	10.2%	14.6%	23.3%	42.9%
SSP2 - CEPAM Medium	3.4%	3.9%	4.9%	10.5%	14.9%	23.6%	43.1%
SSP2 - CEPAM Double Migration	3.4%	4.1%	5.1%	10.8%	15.2%	24.0%	43.3%
SSP3 - Stalled Development	3.4%	3.2%	2.8%	2.8%	2.8%	2.8%	2.8%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	4.6	5.7	7.6	11.2	12.6	14.3	15.9
SSP2 - CEPAM Zero Migration	4.6	5.3	6.5	8.9	9.9	11.4	13.2
SSP2 - CEPAM Medium	4.6	5.3	6.5	8.9	10.0	11.4	13.2
SSP2 - CEPAM Double Migration	4.6	5.3	6.6	9.0	10.0	11.5	13.2
SSP3 - Stalled Development	4.6	4.8	5.3	5.9	6.1	6.2	6.2

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	2.37	2.08	1.83	1.57	1.48	1.43	1.37
SSP2 - CEPAM Zero Migration	2.47	2.28	2.06	1.80	1.72	1.65	1.59
SSP2 - CEPAM Medium	2.47	2.28	2.06	1.80	1.72	1.65	1.59
SSP2 - CEPAM Double Migration	2.48	2.28	2.06	1.80	1.72	1.65	1.59
SSP3 - Stalled Development	2.68	2.66	2.57	2.33	2.29	2.28	2.29
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	72.0	73.6	76.5	82.1	85.0	89.6	95.6
SSP2 - CEPAM Zero Migration	71.5	72.4	74.2	77.9	79.7	82.5	86.2
SSP2 - CEPAM Medium	71.5	72.4	74.2	77.9	79.8	82.5	86.2
SSP2 - CEPAM Double Migration	71.5	72.4	74.3	77.9	79.8	82.5	86.2
SSP3 - Stalled Development	70.9	71.2	71.7	72.7	73.2	73.9	75.2
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-29.8	-34.2	-41.2	-51.8	-54.4	-55.3	-52.6
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-29.8	-34.1	-40.5	-48.5	-48.8	-45.6	-39.0
SSP2 - CEPAM Double Migration	-59.6	-68.2	-80.8	-95.8	-95.8	-88.2	-73.4
SSP3 - Stalled Development	-19.9	-11.5	0.0	0.0	0.0	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	23.9	25.7	29.0	35.2	38.4	42.0	46.4
Proportion age 65+	4.1%	4.8%	6.7%	11.6%	15.2%	19.2%	25.5%
Proportion RLE < 15 years	4.1%	4.6%	5.9%	7.8%	10.3%	12.2%	14.0%

Cameroon

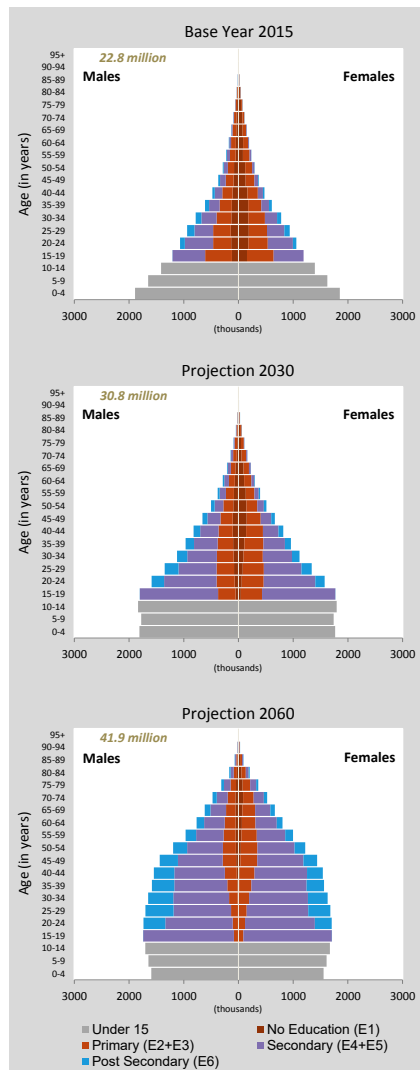
Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	22.83	25.69	30.76	35.36	39.23	41.95
Proportion age 65+	3.2%	3.2%	3.6%	4.5%	6.2%	8.5%
Proportion below age 20	53.5%	52.2%	46.5%	39.7%	35.4%	31.5%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	4.31	3.63	2.85	2.34	2.06	1.97
Life expectancy at birth (in years)						
Male	57.8	58.7	60.5	62.4	64.2	65.1
Female	59.9	61.0	63.1	65.1	67.3	69.3
Five-year net-migration flow (in thousands)	-25.4	-31.7	-42.8	-53.0	-61.4	-64.7

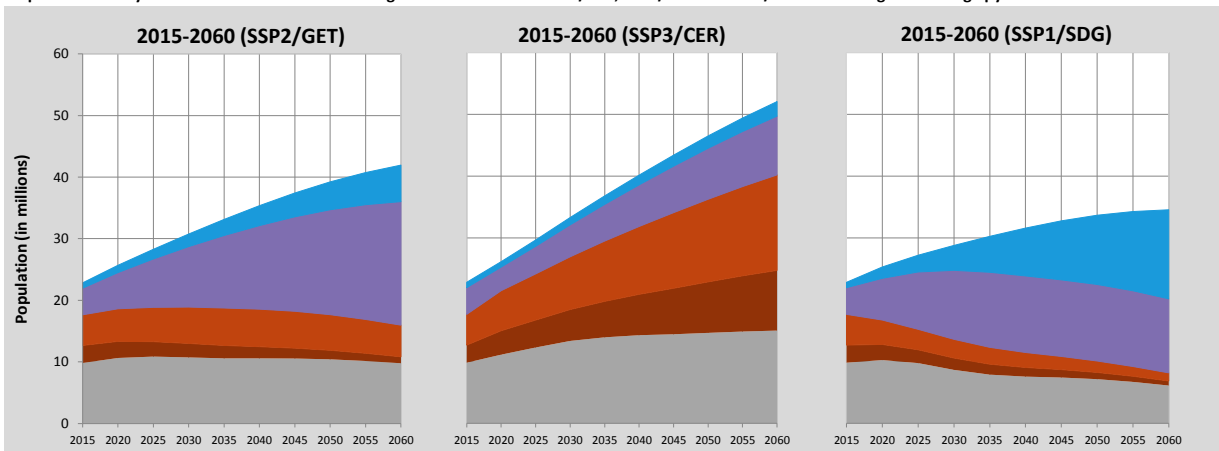
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	26.6%	22.6%	15.4%	10.1%	6.5%	4.1%
E2 - incomplete primary	6.0%	5.1%	3.7%	2.5%	1.8%	1.2%
E3 - primary	33.0%	32.3%	29.9%	25.9%	21.7%	17.6%
E4 - lower secondary	16.8%	19.1%	23.6%	26.5%	27.9%	27.8%
E5 - upper secondary	9.1%	11.1%	15.1%	19.6%	24.2%	28.7%
E6 - post-secondary	8.4%	9.8%	12.3%	15.3%	17.9%	20.7%
Mean years of schooling (in years)	6.9	7.5	8.7	9.8	10.7	11.4
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.66	0.68	0.72	0.76	0.79	0.82
E2 - incomplete primary	0.83	0.81	0.80	0.82	0.83	0.84
E3 - primary	1.00	0.95	0.88	0.84	0.82	0.80
E4 - lower secondary	1.24	1.17	1.06	0.97	0.92	0.87
E5 - upper secondary	1.64	1.48	1.30	1.20	1.15	1.11
E6 - post-secondary	1.60	1.53	1.44	1.39	1.35	1.32
Mean years of schooling (male minus female)	0.8	0.7	0.6	0.5	0.4	0.3
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	18.5%	14.0%	6.7%	3.4%	1.5%	0.6%
E2 - incomplete primary	4.0%	3.3%	2.0%	1.2%	0.6%	0.3%
E3 - primary	30.9%	29.4%	25.2%	19.6%	14.1%	9.1%
E4 - lower secondary	20.8%	23.7%	28.9%	30.1%	28.9%	25.8%
E5 - upper secondary	15.5%	18.0%	22.9%	28.4%	34.3%	40.3%
E6 - post-secondary	10.2%	11.6%	14.2%	17.3%	20.4%	24.0%
Mean years of schooling (in years)	7.7	8.5	10.0	10.9	11.7	12.4

Education scenarios
 SSP2/GET: Global Education Trend Scenario (Medium assumption)
 SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)
 SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

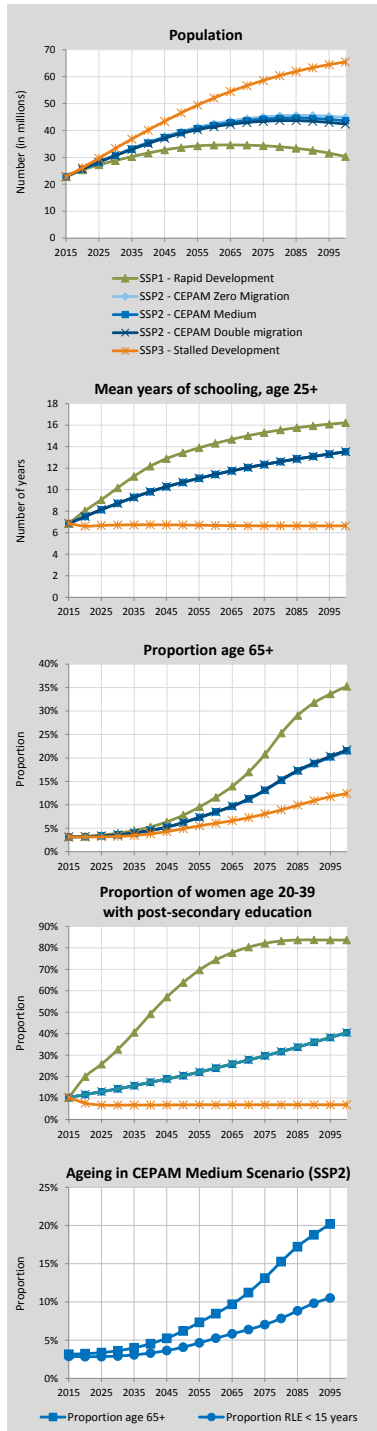
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Cameroon (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	22.83	25.31	28.80	33.68	34.56	34.31	30.32
SSP2 - CEPAM Zero Migration	22.83	25.71	30.88	39.61	42.49	45.03	44.85
SSP2 - CEPAM Medium	22.83	25.69	30.76	39.23	41.95	44.22	43.60
SSP2 - CEPAM Double Migration	22.83	25.66	30.64	38.85	41.40	43.41	42.38
SSP3 - Stalled Development	22.83	26.17	33.31	46.51	52.07	58.59	65.45
Proportion age 65+							
SSP1 - Rapid Development	3.2%	3.3%	3.9%	7.8%	11.6%	20.8%	35.3%
SSP2 - CEPAM Zero Migration	3.2%	3.2%	3.6%	6.2%	8.4%	13.1%	21.4%
SSP2 - CEPAM Medium	3.2%	3.2%	3.6%	6.2%	8.5%	13.1%	21.5%
SSP2 - CEPAM Double Migration	3.2%	3.2%	3.6%	6.2%	8.5%	13.2%	21.7%
SSP3 - Stalled Development	3.2%	3.2%	3.3%	4.9%	6.1%	8.1%	12.4%
Proportion below age 20							
SSP1 - Rapid Development	53.5%	51.5%	42.5%	28.7%	24.7%	19.0%	14.4%
SSP2 - CEPAM Zero Migration	53.5%	52.2%	46.4%	35.4%	31.5%	27.0%	22.7%
SSP2 - CEPAM Medium	53.5%	52.2%	46.5%	35.4%	31.5%	27.0%	22.7%
SSP2 - CEPAM Double Migration	53.5%	52.3%	46.5%	35.5%	31.6%	27.0%	22.7%
SSP3 - Stalled Development	53.5%	53.1%	50.8%	41.5%	38.0%	34.3%	31.6%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	10.2%	19.9%	32.7%	63.9%	74.4%	82.1%	83.7%
SSP2 - CEPAM Zero Migration	10.2%	11.6%	14.2%	20.4%	23.9%	29.6%	40.4%
SSP2 - CEPAM Medium	10.2%	11.6%	14.2%	20.4%	24.0%	29.7%	40.5%
SSP2 - CEPAM Double Migration	10.2%	11.7%	14.3%	20.5%	24.0%	29.7%	40.5%
SSP3 - Stalled Development	10.2%	7.6%	6.7%	6.8%	6.8%	6.8%	6.8%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	6.9	8.0	10.2	13.4	14.3	15.3	16.2
SSP2 - CEPAM Zero Migration	6.9	7.5	8.7	10.7	11.4	12.3	13.5
SSP2 - CEPAM Medium	6.9	7.5	8.7	10.7	11.4	12.3	13.5
SSP2 - CEPAM Double Migration	6.9	7.5	8.7	10.7	11.4	12.3	13.5
SSP3 - Stalled Development	6.9	6.6	6.7	6.7	6.7	6.6	6.6

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	3.87	2.90	2.04	1.48	1.38	1.30	1.22
SSP2 - CEPAM Zero Migration	4.31	3.63	2.85	2.06	1.91	1.78	1.66
SSP2 - CEPAM Medium	4.31	3.63	2.85	2.06	1.91	1.78	1.66
SSP2 - CEPAM Double Migration	4.31	3.63	2.85	2.06	1.91	1.78	1.66
SSP3 - Stalled Development	4.87	4.59	3.87	2.71	2.50	2.40	2.31
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	60.5	62.5	66.1	72.3	75.3	79.8	85.9
SSP2 - CEPAM Zero Migration	59.9	61.0	63.0	67.2	69.3	72.5	76.7
SSP2 - CEPAM Medium	59.9	61.0	63.1	67.3	69.3	72.5	76.7
SSP2 - CEPAM Double Migration	59.9	61.0	63.1	67.3	69.4	72.5	76.7
SSP3 - Stalled Development	59.2	59.3	59.7	60.9	61.6	62.9	64.8
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-25.4	-30.8	-38.2	-48.6	-50.5	-50.3	-44.3
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-25.4	-31.7	-42.8	-61.4	-67.2	-71.9	-71.0
SSP2 - CEPAM Double Migration	-50.7	-63.5	-85.8	-122.5	-133.5	-141.7	-138.1
SSP3 - Stalled Development	-16.9	-10.9	0.0	0.0	-0.1	-0.1	-0.1

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	18.3	19.0	21.7	28.4	31.4	35.6	40.4
Proportion age 65+	3.2%	3.2%	3.6%	6.2%	8.5%	13.1%	20.2%
Proportion RLE < 15 years	3.0%	2.9%	2.9%	4.0%	5.1%	6.9%	10.4%

Canada

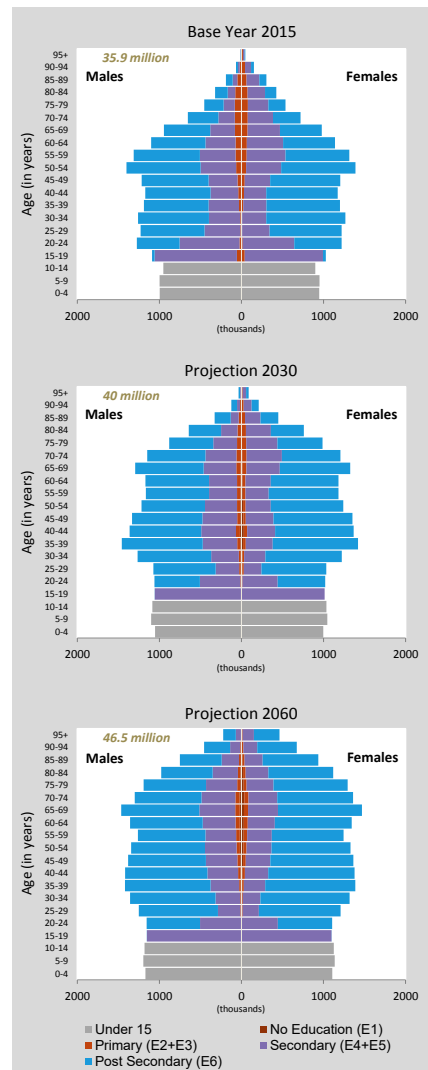
Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	35.95	37.30	39.99	42.23	44.28	46.46
Proportion age 65+	16.1%	18.4%	23.7%	25.8%	27.4%	29.4%
Proportion below age 20	21.9%	21.1%	21.0%	20.1%	19.5%	19.7%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	1.63	1.66	1.71	1.75	1.80	1.80
Life expectancy at birth (in years)						
Male	80.7	81.8	83.8	85.9	87.9	88.9
Female	84.4	85.5	87.7	89.9	92.0	94.2
Five-year net-migration flow (in thousands)	717.2	764.8	848.4	919.5	974.1	992.3

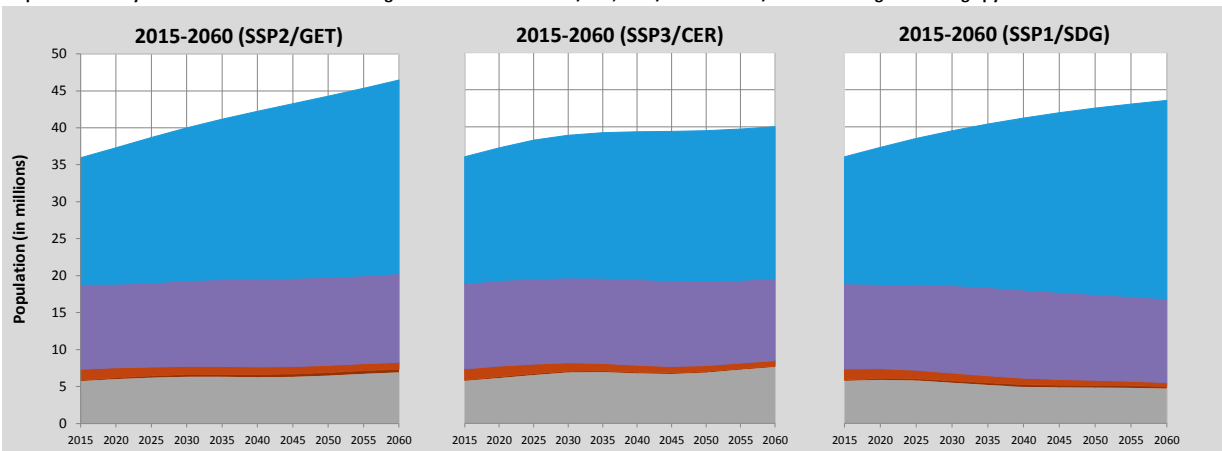
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	0.4%	0.7%	1.0%	1.2%	1.3%	1.3%
E2 - incomplete primary	1.1%	1.0%	0.8%	0.8%	0.8%	0.7%
E3 - primary	4.3%	3.7%	2.8%	2.4%	2.1%	1.9%
E4 - lower secondary	9.1%	8.4%	7.3%	6.5%	5.8%	5.2%
E5 - upper secondary	22.8%	22.5%	21.8%	21.2%	20.5%	20.0%
E6 - post-secondary	62.3%	63.8%	66.2%	67.9%	69.6%	71.0%
Mean years of schooling (in years)	13.0	13.1	13.2	13.3	13.4	13.4
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.80	0.75	0.72	0.71	0.71	0.69
E2 - incomplete primary	0.79	0.86	0.97	1.04	1.05	1.02
E3 - primary	1.21	1.18	1.13	1.10	1.09	1.06
E4 - lower secondary	0.96	1.03	1.15	1.23	1.25	1.25
E5 - upper secondary	0.97	0.99	1.05	1.11	1.18	1.23
E6 - post-secondary	1.01	0.99	0.97	0.95	0.94	0.93
Mean years of schooling (male minus female)	0.0	0.0	0.0	0.0	0.0	0.0
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	0.1%	0.7%	0.8%	0.7%	0.5%	0.3%
E2 - incomplete primary	0.1%	0.4%	0.5%	0.4%	0.3%	0.2%
E3 - primary	1.1%	1.4%	1.3%	1.1%	0.9%	0.7%
E4 - lower secondary	8.7%	7.0%	4.6%	3.7%	2.9%	2.3%
E5 - upper secondary	26.3%	25.3%	24.4%	24.2%	23.3%	22.5%
E6 - post-secondary	63.6%	65.2%	68.4%	69.9%	72.1%	73.9%
Mean years of schooling (in years)	13.5	13.4	13.5	13.6	13.7	13.8

Education scenarios
 SSP2/GET: Global Education Trend Scenario (Medium assumption)
 SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)
 SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

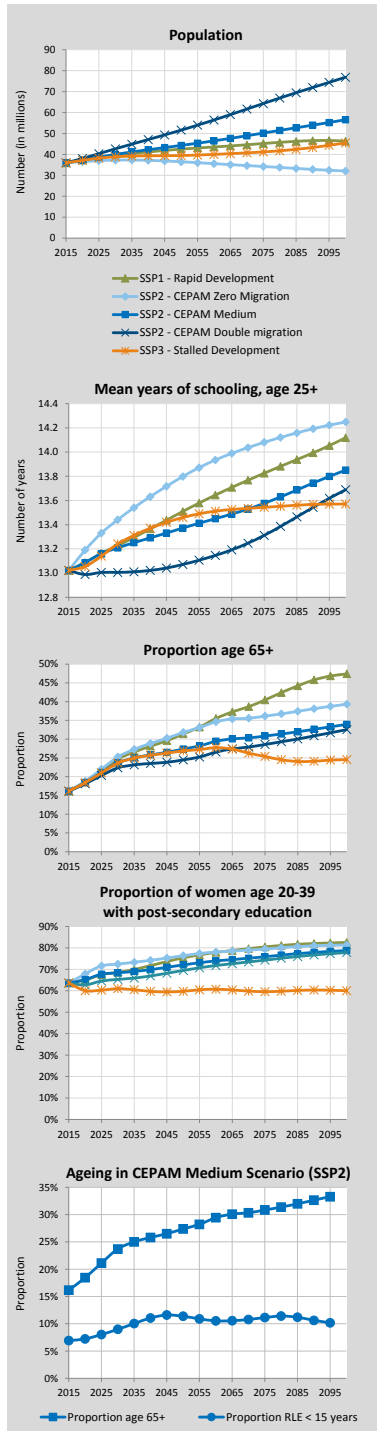
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Canada (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)	2015 2020 2030 2050 2060 2075 2100						
	Population (in millions)						
SSP1 - Rapid Development	35.95	37.22	39.45	42.51	43.55	45.20	46.31
SSP2 - CEPAM Zero Migration	35.95	36.53	37.28	36.48	35.57	34.23	32.09
SSP2 - CEPAM Medium	35.95	37.30	39.99	44.28	46.46	50.19	56.57
SSP2 - CEPAM Double Migration	35.95	38.07	42.65	51.59	56.43	64.30	76.86
SSP3 - Stalled Development	35.95	37.15	38.85	39.47	40.00	41.18	45.49
Proportion age 65+							
SSP1 - Rapid Development	16.1%	18.6%	24.7%	31.4%	35.5%	40.4%	47.4%
SSP2 - CEPAM Zero Migration	16.1%	18.8%	25.3%	31.8%	34.6%	36.1%	39.3%
SSP2 - CEPAM Medium	16.1%	18.4%	23.7%	27.4%	29.4%	30.8%	34.0%
SSP2 - CEPAM Double Migration	16.1%	18.1%	22.4%	24.5%	26.5%	28.6%	32.5%
SSP3 - Stalled Development	16.1%	18.4%	23.6%	26.9%	27.7%	25.4%	24.6%
Proportion below age 20							
SSP1 - Rapid Development	21.9%	20.8%	19.1%	15.4%	14.7%	13.2%	11.7%
SSP2 - CEPAM Zero Migration	21.9%	21.1%	20.5%	18.2%	18.4%	17.6%	16.9%
SSP2 - CEPAM Medium	21.9%	21.1%	21.0%	19.5%	19.7%	19.2%	18.4%
SSP2 - CEPAM Double Migration	21.9%	21.2%	21.4%	20.3%	20.4%	19.8%	18.7%
SSP3 - Stalled Development	21.9%	21.5%	22.8%	23.0%	24.7%	25.4%	26.0%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	63.6%	65.1%	68.6%	75.4%	77.9%	80.4%	82.6%
SSP2 - CEPAM Zero Migration	63.6%	67.9%	72.4%	76.4%	78.1%	79.5%	81.4%
SSP2 - CEPAM Medium	63.6%	65.2%	68.4%	72.1%	73.9%	75.9%	78.8%
SSP2 - CEPAM Double Migration	63.6%	62.7%	65.3%	69.5%	71.8%	74.3%	77.8%
SSP3 - Stalled Development	63.6%	60.1%	61.0%	59.8%	60.7%	59.6%	60.0%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	13.0	13.1	13.2	13.5	13.6	13.8	14.1
SSP2 - CEPAM Zero Migration	13.0	13.2	13.4	13.8	13.9	14.1	14.2
SSP2 - CEPAM Medium	13.0	13.1	13.2	13.4	13.4	13.6	13.9
SSP2 - CEPAM Double Migration	13.0	13.0	13.0	13.1	13.1	13.3	13.7
SSP3 - Stalled Development	13.0	13.1	13.2	13.5	13.5	13.5	13.6

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.52	1.43	1.34	1.34	1.35	1.35	1.34
SSP2 - CEPAM Zero Migration	1.63	1.65	1.71	1.80	1.80	1.80	1.78
SSP2 - CEPAM Medium	1.63	1.66	1.71	1.80	1.80	1.79	1.78
SSP2 - CEPAM Double Migration	1.63	1.66	1.71	1.80	1.80	1.79	1.78
SSP3 - Stalled Development	1.76	1.95	2.16	2.36	2.37	2.37	2.35
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	84.9	86.5	89.7	96.0	99.2	104.0	107.9
SSP2 - CEPAM Zero Migration	84.4	85.5	87.7	92.1	94.3	97.7	102.0
SSP2 - CEPAM Medium	84.4	85.5	87.7	92.0	94.2	97.5	101.8
SSP2 - CEPAM Double Migration	84.4	85.5	87.7	92.0	94.1	97.3	101.7
SSP3 - Stalled Development	83.9	84.5	85.7	88.1	89.3	91.0	93.3
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	717.9	761.0	821.3	894.6	896.2	860.0	764.4
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	717.2	764.8	848.4	974.1	1004.1	1009.3	958.7
SSP2 - CEPAM Double Migration	1434.4	1513.4	1641.8	1805.6	1818.9	1762.8	1587.9
SSP3 - Stalled Development	477.9	258.2	0.8	1.0	1.2	1.3	1.5

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	40.5	41.6	43.8	46.8	46.9	48.3	49.5
Proportion age 65+	16.1%	18.4%	23.7%	27.4%	29.4%	30.8%	33.3%
Proportion RLE < 15 years	7.1%	7.1%	8.6%	11.5%	10.6%	10.9%	10.1%

Cape Verde

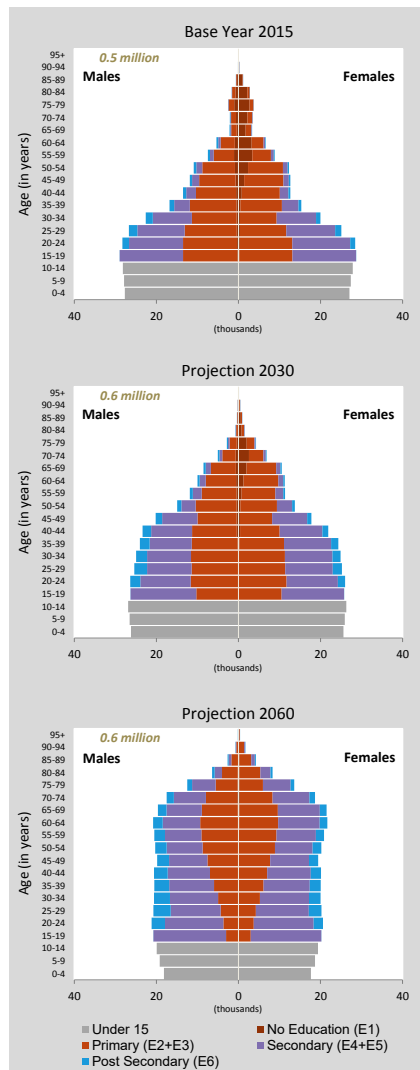
Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	0.53	0.56	0.61	0.64	0.65	0.65
Proportion age 65+	4.5%	4.7%	7.0%	9.4%	13.3%	19.7%
Proportion below age 20	42.0%	39.0%	34.4%	30.3%	26.6%	23.7%
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	2.30	2.15	1.99	1.87	1.80	1.73
Life expectancy at birth (in years)						
Male	71.0	72.2	74.5	76.8	79.2	80.3
Female	75.0	76.3	78.9	81.4	83.9	86.4
Five-year net-migration flow (in thousands)	-13.8	-14.6	-15.8	-16.4	-16.5	-16.3

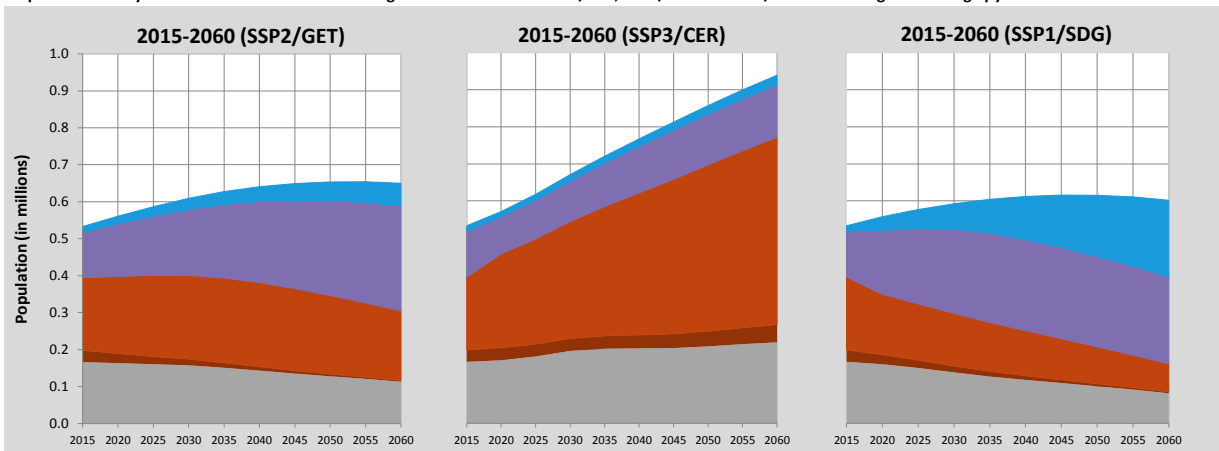
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	12.2%	8.9%	4.8%	2.7%	1.4%	0.8%
E2 - incomplete primary	39.9%	37.2%	32.9%	28.6%	23.5%	18.6%
E3 - primary	17.3%	18.1%	19.5%	20.6%	20.6%	19.8%
E4 - lower secondary	19.9%	22.8%	25.8%	27.0%	28.4%	29.4%
E5 - upper secondary	5.6%	6.9%	9.4%	12.3%	15.6%	19.2%
E6 - post-secondary	5.2%	6.1%	7.5%	8.9%	10.5%	12.2%
Mean years of schooling (in years)	5.9	6.4	7.2	7.9	8.5	9.1
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.40	0.40	0.41	0.46	0.57	0.66
E2 - incomplete primary	1.09	1.08	1.06	1.05	1.05	1.06
E3 - primary	1.15	1.09	1.00	0.94	0.91	0.88
E4 - lower secondary	0.99	0.95	0.92	0.92	0.91	0.90
E5 - upper secondary	1.38	1.26	1.15	1.09	1.07	1.05
E6 - post-secondary	1.70	1.58	1.48	1.41	1.38	1.37
Mean years of schooling (male minus female)	0.5	0.4	0.2	0.2	0.2	0.2
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	1.7%	1.3%	0.4%	0.2%	0.1%	0.1%
E2 - incomplete primary	30.5%	25.9%	22.9%	17.9%	11.9%	7.2%
E3 - primary	19.3%	19.8%	22.1%	22.6%	20.1%	16.1%
E4 - lower secondary	32.6%	34.2%	30.0%	27.5%	28.1%	28.1%
E5 - upper secondary	9.9%	11.6%	15.4%	20.7%	26.6%	32.8%
E6 - post-secondary	6.0%	7.2%	9.1%	11.0%	13.3%	15.7%
Mean years of schooling (in years)	7.6	8.0	8.4	9.0	9.7	10.4

Education scenarios
 SSP2/GET: Global Education Trend Scenario (Medium assumption)
 SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)
 SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

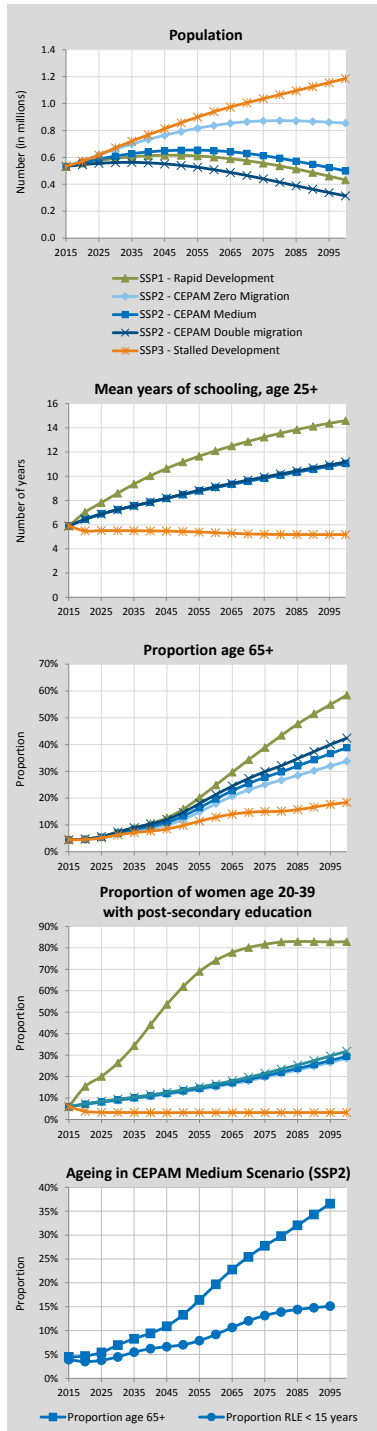
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Cape Verde (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	0.53	0.56	0.59	0.62	0.60	0.56	0.43
SSP2 - CEPAM Zero Migration	0.53	0.58	0.66	0.79	0.84	0.87	0.85
SSP2 - CEPAM Medium	0.53	0.56	0.61	0.65	0.65	0.61	0.50
SSP2 - CEPAM Double Migration	0.53	0.55	0.56	0.54	0.51	0.44	0.31
SSP3 - Stalled Development	0.53	0.57	0.67	0.86	0.94	1.04	1.19
Proportion age 65+							
SSP1 - Rapid Development	4.5%	4.7%	7.3%	15.9%	24.9%	38.9%	58.4%
SSP2 - CEPAM Zero Migration	4.5%	4.6%	6.6%	12.0%	17.9%	25.0%	33.7%
SSP2 - CEPAM Medium	4.5%	4.7%	7.0%	13.3%	19.7%	27.8%	38.8%
SSP2 - CEPAM Double Migration	4.5%	4.8%	7.4%	14.7%	21.3%	29.9%	42.4%
SSP3 - Stalled Development	4.5%	4.6%	6.3%	9.8%	12.9%	15.0%	18.4%
Proportion below age 20							
SSP1 - Rapid Development	42.0%	38.6%	32.0%	22.4%	18.8%	14.1%	9.0%
SSP2 - CEPAM Zero Migration	42.0%	38.6%	33.8%	26.2%	23.5%	20.4%	17.1%
SSP2 - CEPAM Medium	42.0%	39.0%	34.4%	26.6%	23.7%	19.9%	15.9%
SSP2 - CEPAM Double Migration	42.0%	39.4%	35.0%	27.1%	24.0%	19.7%	15.2%
SSP3 - Stalled Development	42.0%	39.5%	37.1%	32.1%	30.6%	28.8%	27.1%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	6.0%	15.4%	26.4%	62.0%	74.2%	81.6%	82.9%
SSP2 - CEPAM Zero Migration	6.0%	7.0%	8.9%	12.9%	15.3%	19.7%	28.4%
SSP2 - CEPAM Medium	6.0%	7.2%	9.1%	13.3%	15.7%	20.3%	29.4%
SSP2 - CEPAM Double Migration	6.0%	7.3%	9.4%	13.8%	16.5%	21.5%	31.8%
SSP3 - Stalled Development	6.0%	3.8%	3.2%	3.2%	3.2%	3.2%	3.2%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	5.9	7.0	8.6	11.2	12.1	13.2	14.6
SSP2 - CEPAM Zero Migration	5.9	6.5	7.3	8.5	9.0	9.8	11.1
SSP2 - CEPAM Medium	5.9	6.4	7.2	8.5	9.1	9.8	11.1
SSP2 - CEPAM Double Migration	5.9	6.4	7.2	8.5	9.1	9.9	11.2
SSP3 - Stalled Development	5.9	5.5	5.5	5.4	5.3	5.2	5.2

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	2.15	1.86	1.64	1.53	1.41	1.38	1.33
SSP2 - CEPAM Zero Migration	2.30	2.15	1.99	1.79	1.71	1.64	1.59
SSP2 - CEPAM Medium	2.30	2.15	1.99	1.80	1.71	1.64	1.59
SSP2 - CEPAM Double Migration	2.30	2.15	1.99	1.80	1.71	1.65	1.59
SSP3 - Stalled Development	2.55	2.59	2.53	2.30	2.24	2.20	2.22
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	75.6	77.5	81.0	88.0	91.5	96.9	104.4
SSP2 - CEPAM Zero Migration	75.0	76.3	78.8	83.9	86.4	90.2	95.2
SSP2 - CEPAM Medium	75.0	76.3	78.9	83.9	86.4	90.2	95.2
SSP2 - CEPAM Double Migration	75.0	76.3	78.9	83.9	86.5	90.2	95.2
SSP3 - Stalled Development	74.5	75.1	76.6	79.3	80.6	82.5	85.3
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-13.8	-14.5	-15.4	-15.7	-15.1	-13.6	-10.7
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-13.8	-14.6	-15.8	-16.5	-16.1	-14.6	-11.7
SSP2 - CEPAM Double Migration	-27.7	-28.2	-28.5	-25.8	-23.3	-18.5	-12.0
SSP3 - Stalled Development	-9.2	-5.0	0.0	0.0	0.0	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	23.8	25.5	29.2	36.9	40.9	47.0	53.8
Proportion age 65+	4.5%	4.7%	7.0%	13.3%	19.7%	27.8%	36.6%
Proportion RLE < 15 years	4.5%	3.8%	4.5%	6.7%	8.1%	12.8%	15.0%

Central African Republic

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	4.55	4.98	5.79	6.50	7.00	7.31
Proportion age 65+	3.7%	3.7%	4.0%	4.4%	5.4%	7.1%
Proportion below age 20	55.1%	53.2%	47.8%	42.6%	37.9%	33.5%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	4.44	3.75	2.91	2.37	2.07	1.98
Life expectancy at birth (in years)						
Male	51.3	52.6	55.1	57.6	60.1	61.3
Female	55.3	56.6	59.2	61.8	64.5	67.1
Five-year net-migration flow (in thousands)	-63.2	-69.9	-82.7	-93.7	-101.1	-103.7

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	30.9%	24.1%	12.6%	6.7%	3.6%	1.8%
E2 - incomplete primary	25.3%	23.7%	18.9%	13.6%	9.5%	6.4%
E3 - primary	20.8%	23.8%	28.6%	29.0%	26.7%	23.1%
E4 - lower secondary	16.0%	19.5%	27.0%	33.3%	37.9%	40.6%
E5 - upper secondary	4.9%	6.2%	9.3%	12.9%	16.9%	21.3%
E6 - post-secondary	2.1%	2.7%	3.6%	4.5%	5.6%	6.7%
Mean years of schooling (in years)	5.0	5.8	7.3	8.4	9.3	10.0
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.44	0.43	0.41	0.42	0.43	0.45
E2 - incomplete primary	1.39	1.26	1.07	1.02	1.00	0.98
E3 - primary	0.98	0.85	0.68	0.59	0.54	0.51
E4 - lower secondary	1.73	1.60	1.40	1.21	1.06	0.96
E5 - upper secondary	2.74	2.49	2.16	1.99	1.87	1.71
E6 - post-secondary	3.99	3.53	3.32	3.22	3.12	3.02
Mean years of schooling (male minus female)	1.1	1.0	0.9	0.8	0.7	0.7
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	14.8%	9.1%	1.8%	0.6%	0.2%	0.1%
E2 - incomplete primary	22.1%	18.5%	11.9%	6.5%	3.1%	1.3%
E3 - primary	28.1%	30.5%	32.3%	28.0%	21.3%	14.7%
E4 - lower secondary	24.3%	28.7%	36.2%	41.3%	44.4%	44.8%
E5 - upper secondary	8.2%	10.1%	13.8%	18.5%	24.5%	31.2%
E6 - post-secondary	2.5%	3.1%	4.0%	5.1%	6.4%	7.9%
Mean years of schooling (in years)	5.9	6.9	8.3	9.1	9.9	10.6

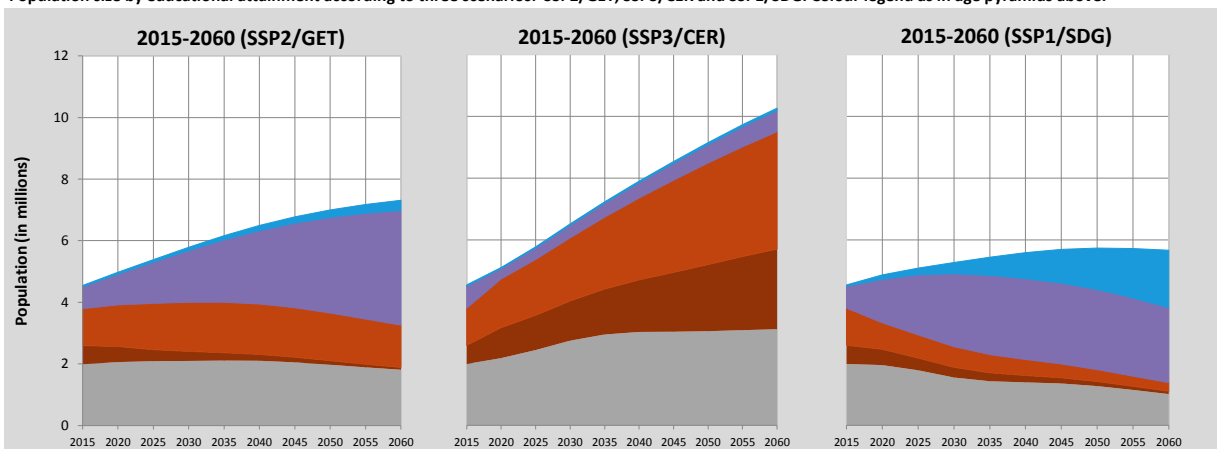
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

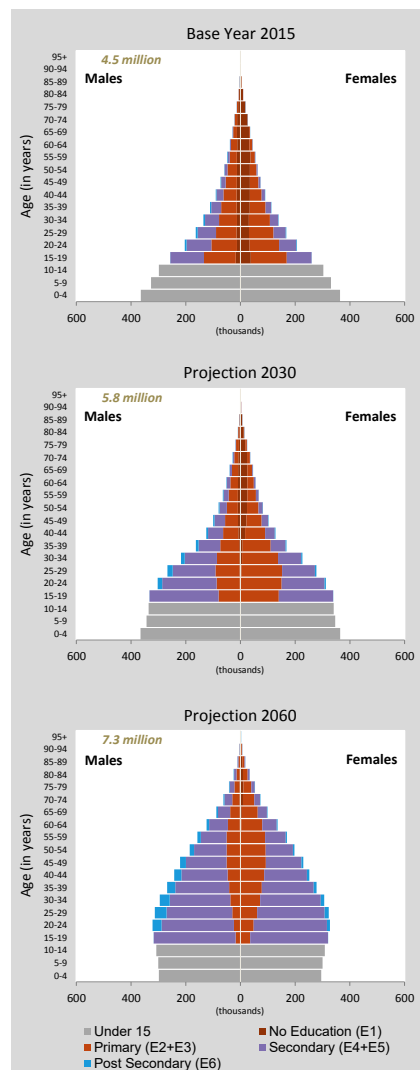
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

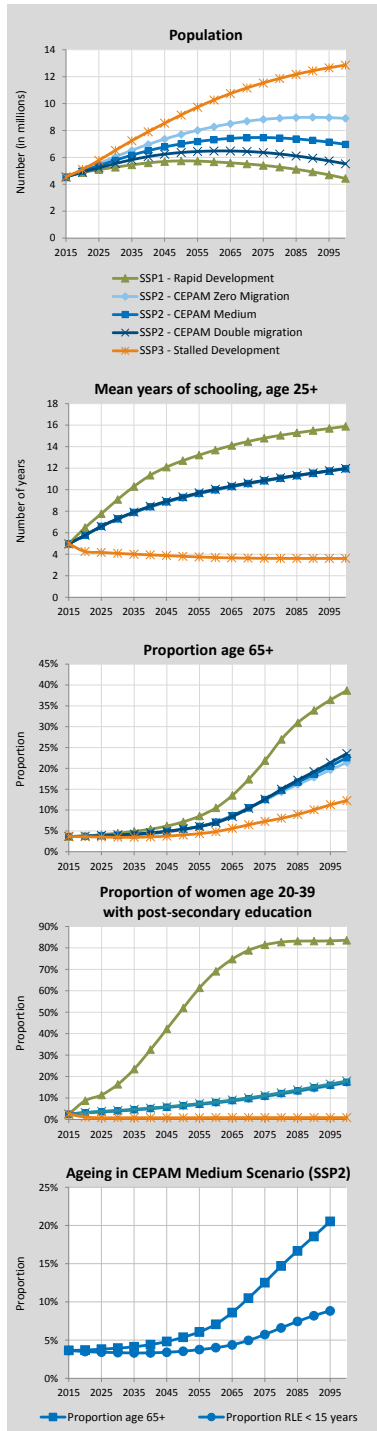
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



Central African Republic (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	4.55	4.87	5.27	5.74	5.67	5.41	4.44
SSP2 - CEPAM Zero Migration	4.55	5.05	6.04	7.71	8.28	8.82	8.90
SSP2 - CEPAM Medium	4.55	4.98	5.79	7.00	7.31	7.47	6.97
SSP2 - CEPAM Double Migration	4.55	4.90	5.54	6.36	6.47	6.36	5.52
SSP3 - Stalled Development	4.55	5.11	6.52	9.15	10.27	11.53	12.86
Proportion age 65+							
SSP1 - Rapid Development	3.7%	3.8%	4.5%	7.2%	10.5%	21.8%	38.6%
SSP2 - CEPAM Zero Migration	3.7%	3.7%	3.9%	5.3%	7.1%	12.4%	21.4%
SSP2 - CEPAM Medium	3.7%	3.7%	4.0%	5.4%	7.1%	12.5%	22.5%
SSP2 - CEPAM Double Migration	3.7%	3.7%	4.1%	5.4%	6.9%	12.6%	23.5%
SSP3 - Stalled Development	3.7%	3.6%	3.5%	4.0%	4.8%	7.3%	12.2%
Proportion below age 20							
SSP1 - Rapid Development	55.1%	52.2%	42.2%	30.1%	25.3%	19.6%	13.6%
SSP2 - CEPAM Zero Migration	55.1%	52.9%	47.2%	37.2%	32.9%	28.4%	23.1%
SSP2 - CEPAM Medium	55.1%	53.2%	47.8%	37.9%	33.5%	28.8%	23.1%
SSP2 - CEPAM Double Migration	55.1%	53.6%	48.4%	38.7%	34.1%	29.3%	23.1%
SSP3 - Stalled Development	55.1%	54.2%	52.4%	44.0%	39.9%	35.6%	32.0%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	2.5%	8.8%	16.4%	51.9%	69.1%	81.4%	83.6%
SSP2 - CEPAM Zero Migration	2.5%	3.0%	3.8%	6.2%	7.7%	10.6%	17.0%
SSP2 - CEPAM Medium	2.5%	3.1%	4.0%	6.4%	7.9%	10.9%	17.4%
SSP2 - CEPAM Double Migration	2.5%	3.3%	4.2%	6.6%	8.1%	11.2%	17.9%
SSP3 - Stalled Development	2.5%	1.1%	0.8%	0.8%	0.8%	0.9%	0.9%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	5.0	6.5	9.1	12.7	13.7	14.8	15.9
SSP2 - CEPAM Zero Migration	5.0	5.8	7.3	9.2	10.0	10.8	11.9
SSP2 - CEPAM Medium	5.0	5.8	7.3	9.3	10.0	10.8	11.9
SSP2 - CEPAM Double Migration	5.0	5.8	7.3	9.3	10.0	10.9	12.0
SSP3 - Stalled Development	5.0	4.3	4.1	3.8	3.7	3.6	3.6

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	3.82	2.75	1.93	1.48	1.38	1.29	1.18
SSP2 - CEPAM Zero Migration	4.44	3.75	2.91	2.07	1.91	1.76	1.62
SSP2 - CEPAM Medium	4.44	3.75	2.91	2.07	1.91	1.76	1.62
SSP2 - CEPAM Double Migration	4.44	3.74	2.91	2.08	1.91	1.76	1.62
SSP3 - Stalled Development	5.11	4.88	4.07	2.69	2.43	2.29	2.21
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	56.0	58.3	62.6	70.1	73.6	78.8	85.9
SSP2 - CEPAM Zero Migration	55.3	56.6	59.2	64.4	67.1	71.0	76.3
SSP2 - CEPAM Medium	55.3	56.6	59.2	64.5	67.1	71.0	76.3
SSP2 - CEPAM Double Migration	55.3	56.6	59.2	64.5	67.1	71.1	76.3
SSP3 - Stalled Development	54.6	54.8	55.7	58.0	59.3	61.4	64.5
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-63.2	-68.3	-74.2	-80.5	-79.0	-74.5	-61.9
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-63.2	-69.9	-82.7	-101.1	-105.6	-107.2	-100.6
SSP2 - CEPAM Double Migration	-126.4	-137.5	-156.9	-180.5	-182.5	-176.6	-153.4
SSP3 - Stalled Development	-42.1	-24.0	-0.1	-0.1	-0.1	-0.1	-0.2

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	17.8	18.6	21.0	26.4	29.4	34.0	39.4
Proportion age 65+	3.7%	3.7%	4.0%	5.4%	7.1%	12.5%	20.5%
Proportion RLE < 15 years	3.6%	3.5%	3.3%	3.4%	3.8%	5.3%	8.7%

Chad

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	14.01	16.19	20.72	25.31	29.45	32.92
Proportion age 65+	2.5%	2.5%	2.7%	3.2%	4.2%	5.9%
Proportion below age 20	58.7%	57.2%	52.4%	46.8%	41.4%	36.2%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	5.59	4.88	3.89	3.09	2.54	2.35
Life expectancy at birth (in years)						
Male	52.1	53.3	55.8	58.2	60.6	61.9
Female	54.5	55.9	58.6	61.3	64.0	66.7
Five-year net-migration flow (in thousands)	22.8	18.9	9.6	-1.0	-11.2	-15.9

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	66.3%	60.2%	48.5%	37.7%	28.5%	20.7%
E2 - incomplete primary	13.8%	14.5%	17.5%	19.0%	18.3%	16.5%
E3 - primary	9.8%	12.0%	15.4%	18.3%	20.8%	22.0%
E4 - lower secondary	4.7%	6.4%	8.7%	11.5%	14.6%	17.9%
E5 - upper secondary	3.0%	4.0%	6.0%	8.6%	11.9%	15.8%
E6 - post-secondary	2.3%	2.9%	3.9%	4.9%	5.9%	7.2%
Mean years of schooling (in years)	2.4	3.0	4.0	5.1	6.2	7.3
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.69	0.67	0.66	0.68	0.70	0.72
E2 - incomplete primary	1.22	1.03	0.94	0.84	0.77	0.72
E3 - primary	2.69	2.24	1.63	1.30	1.10	0.99
E4 - lower secondary	4.18	3.18	1.90	1.38	1.17	1.03
E5 - upper secondary	4.83	3.20	2.20	1.83	1.64	1.52
E6 - post-secondary	4.55	3.31	2.66	2.44	2.31	2.21
Mean years of schooling (male minus female)	1.2	1.2	1.1	1.0	0.9	0.8
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	53.4%	46.4%	34.4%	24.0%	14.9%	8.1%
E2 - incomplete primary	16.0%	17.3%	20.3%	20.3%	16.6%	12.1%
E3 - primary	14.8%	16.9%	19.9%	22.3%	24.1%	23.6%
E4 - lower secondary	8.2%	9.6%	12.0%	15.3%	19.7%	23.8%
E5 - upper secondary	5.1%	6.5%	9.1%	12.8%	18.0%	24.0%
E6 - post-secondary	2.5%	3.3%	4.3%	5.3%	6.6%	8.4%
Mean years of schooling (in years)	2.1	2.9	4.3	5.7	7.1	8.5

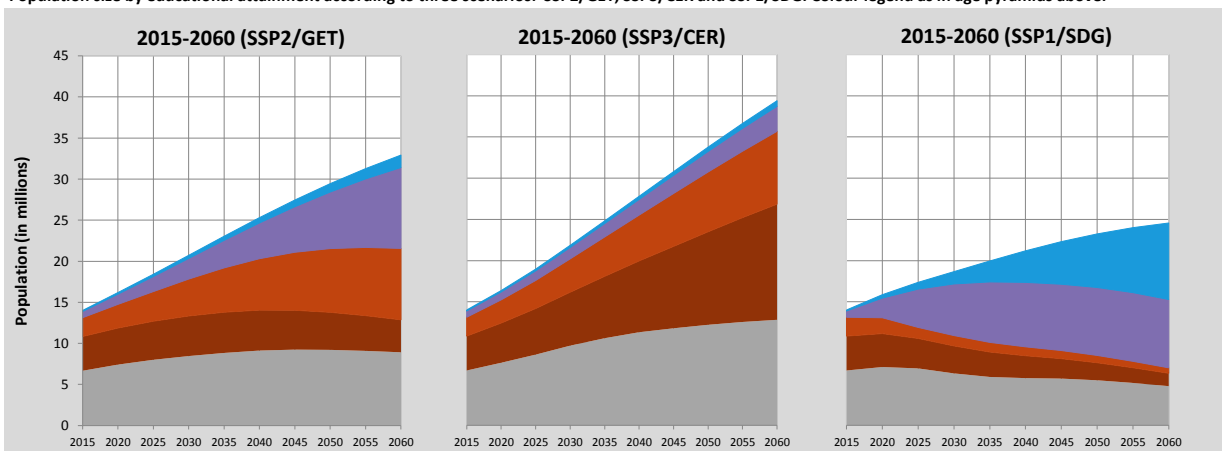
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

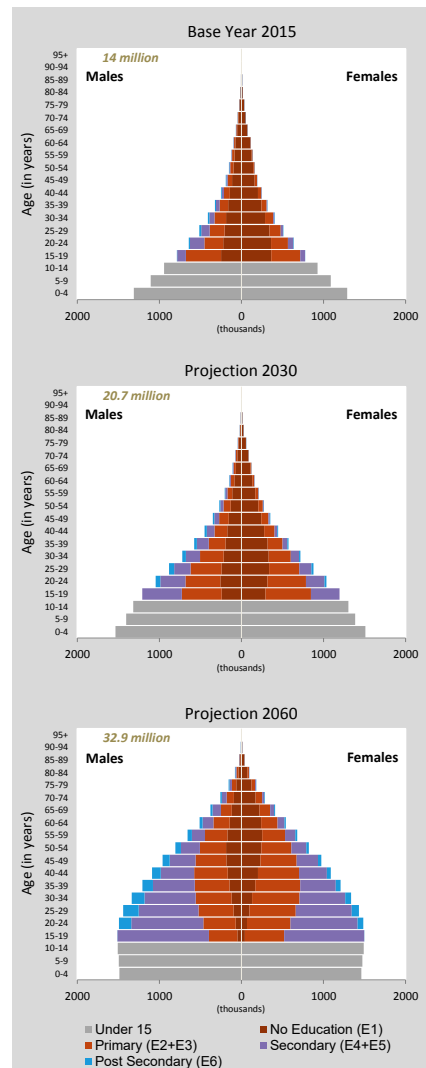
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

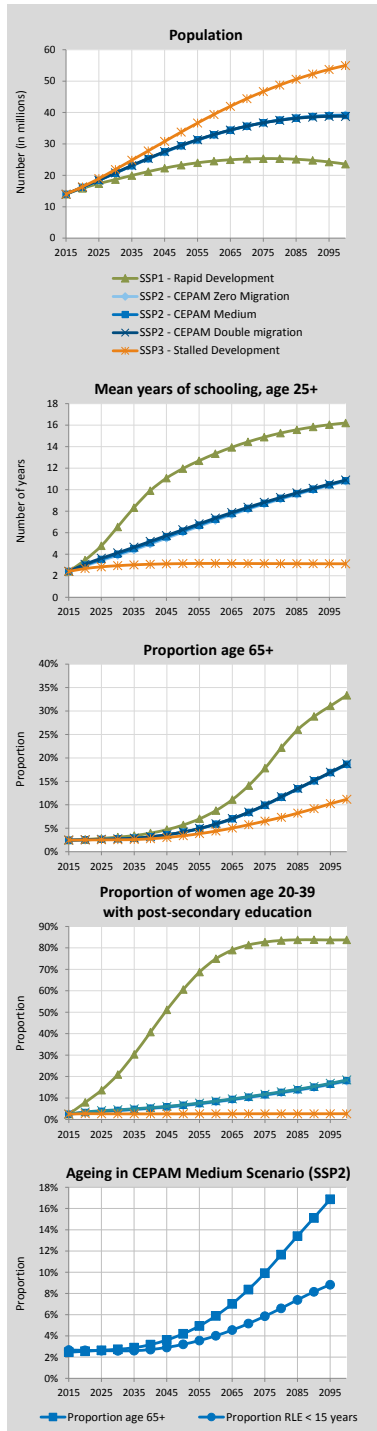
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



Chad (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	14.01	15.86	18.66	23.24	24.56	25.33	23.59
SSP2 - CEPAM Zero Migration	14.01	16.16	20.65	29.34	32.83	36.73	39.29
SSP2 - CEPAM Medium	14.01	16.19	20.72	29.45	32.92	36.74	39.07
SSP2 - CEPAM Double Migration	14.01	16.21	20.79	29.54	32.99	36.71	38.79
SSP3 - Stalled Development	14.01	16.37	21.85	33.77	39.40	46.67	54.99
Proportion age 65+							
SSP1 - Rapid Development	2.5%	2.6%	3.1%	5.7%	8.8%	17.8%	33.3%
SSP2 - CEPAM Zero Migration	2.5%	2.6%	2.7%	4.2%	5.8%	9.9%	18.6%
SSP2 - CEPAM Medium	2.5%	2.5%	2.7%	4.2%	5.9%	9.9%	18.6%
SSP2 - CEPAM Double Migration	2.5%	2.5%	2.7%	4.2%	5.9%	10.0%	18.7%
SSP3 - Stalled Development	2.5%	2.5%	2.5%	3.4%	4.4%	6.5%	11.2%
Proportion below age 20							
SSP1 - Rapid Development	58.7%	56.2%	46.8%	31.7%	26.8%	20.5%	14.9%
SSP2 - CEPAM Zero Migration	58.7%	57.2%	52.5%	41.4%	36.2%	30.4%	24.1%
SSP2 - CEPAM Medium	58.7%	57.2%	52.4%	41.4%	36.2%	30.4%	24.1%
SSP2 - CEPAM Double Migration	58.7%	57.1%	52.3%	41.4%	36.2%	30.4%	24.1%
SSP3 - Stalled Development	58.7%	57.7%	55.2%	46.9%	42.5%	37.3%	32.3%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	2.5%	7.9%	21.0%	60.6%	75.0%	82.7%	83.7%
SSP2 - CEPAM Zero Migration	2.5%	3.1%	4.0%	6.4%	8.1%	11.3%	17.8%
SSP2 - CEPAM Medium	2.5%	3.3%	4.3%	6.6%	8.4%	11.5%	18.1%
SSP2 - CEPAM Double Migration	2.5%	3.5%	4.5%	6.8%	8.6%	11.7%	18.4%
SSP3 - Stalled Development	2.5%	2.7%	2.6%	2.6%	2.6%	2.7%	2.7%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	2.4	3.5	6.5	12.0	13.4	14.9	16.2
SSP2 - CEPAM Zero Migration	2.4	2.9	3.9	6.0	7.1	8.7	10.8
SSP2 - CEPAM Medium	2.4	3.0	4.0	6.2	7.3	8.7	10.8
SSP2 - CEPAM Double Migration	2.4	3.1	4.1	6.3	7.4	8.8	10.9
SSP3 - Stalled Development	2.4	2.7	2.9	3.1	3.1	3.1	3.1

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	4.95	3.67	2.46	1.66	1.48	1.35	1.23
SSP2 - CEPAM Zero Migration	5.59	4.88	3.89	2.54	2.20	1.94	1.74
SSP2 - CEPAM Medium	5.59	4.88	3.89	2.54	2.20	1.94	1.74
SSP2 - CEPAM Double Migration	5.58	4.87	3.88	2.54	2.20	1.94	1.74
SSP3 - Stalled Development	6.00	5.63	4.89	3.36	2.92	2.59	2.38
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	55.2	57.6	62.6	70.7	74.1	79.2	86.3
SSP2 - CEPAM Zero Migration	54.5	55.9	58.5	63.9	66.6	70.7	76.1
SSP2 - CEPAM Medium	54.5	55.9	58.6	64.0	66.7	70.7	76.1
SSP2 - CEPAM Double Migration	54.5	55.9	58.6	64.0	66.7	70.7	76.1
SSP3 - Stalled Development	54.0	54.7	56.0	58.4	59.5	61.3	64.1
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	22.8	19.7	14.8	4.8	0.7	-3.4	-5.2
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	22.8	18.9	9.6	-11.2	-20.4	-31.6	-40.1
SSP2 - CEPAM Double Migration	45.6	37.2	17.4	-26.2	-45.2	-67.6	-83.5
SSP3 - Stalled Development	15.2	6.3	0.0	0.0	0.0	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	16.1	16.8	19.0	24.5	27.7	32.6	38.3
Proportion age 65+	2.5%	2.5%	2.7%	4.2%	5.9%	9.9%	16.9%
Proportion RLE < 15 years	2.7%	2.7%	2.6%	3.1%	3.9%	5.6%	8.5%

Channel Islands

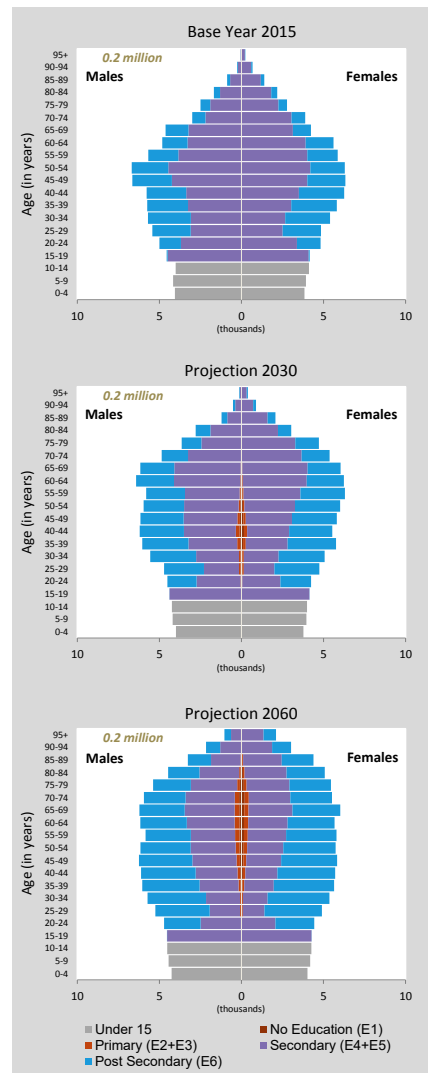
Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	0.16	0.17	0.18	0.18	0.19	0.20
Proportion age 65+	17.3%	19.2%	23.8%	27.4%	29.3%	30.7%
Proportion below age 20	20.0%	19.3%	18.6%	18.0%	17.7%	17.6%
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	1.50	1.53	1.57	1.60	1.61	1.61
Life expectancy at birth (in years)						
Male	79.6	80.6	82.8	84.9	87.0	88.1
Female	83.0	84.1	86.2	88.4	90.5	92.6
Five-year net-migration flow (in thousands)	3.6	3.9	4.4	4.8	5.2	5.3

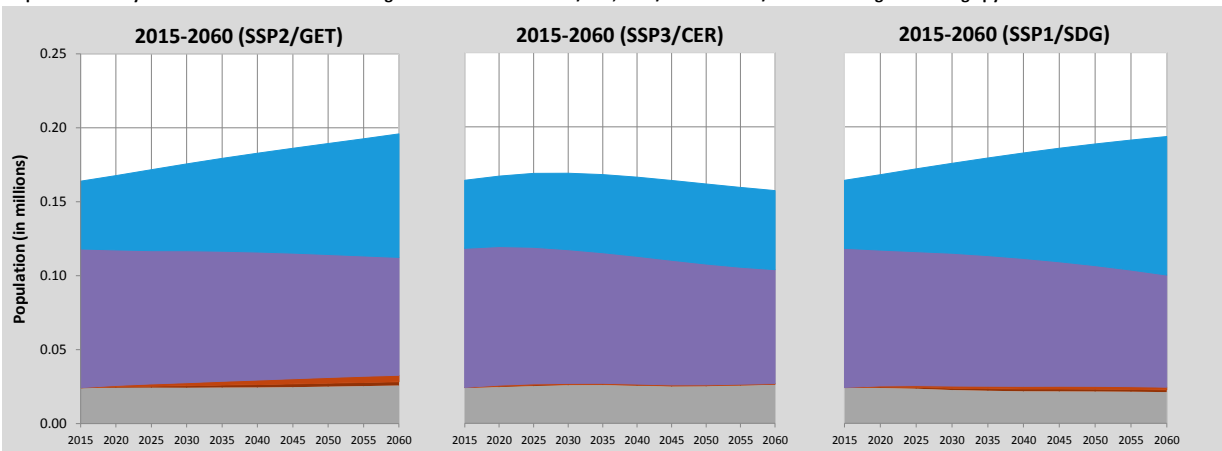
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	0.0%	0.5%	1.0%	1.4%	1.6%	1.6%
E2 - incomplete primary	0.0%	0.2%	0.5%	0.7%	0.9%	0.9%
E3 - primary	0.0%	0.4%	0.9%	1.4%	1.7%	1.9%
E4 - lower secondary	33.1%	29.6%	23.9%	19.2%	15.1%	11.8%
E5 - upper secondary	31.4%	31.9%	32.6%	32.8%	32.5%	31.9%
E6 - post-secondary	35.4%	37.4%	41.1%	44.6%	48.2%	51.9%
Mean years of schooling (in years)	11.7	11.8	11.9	12.0	12.1	12.3
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	1.04	0.79	0.78	0.77	0.76	0.74
E2 - incomplete primary	1.04	1.10	1.09	1.08	1.05	1.02
E3 - primary	1.04	1.18	1.19	1.17	1.15	1.11
E4 - lower secondary	0.88	0.90	0.95	1.01	1.06	1.12
E5 - upper secondary	1.12	1.10	1.07	1.07	1.08	1.11
E6 - post-secondary	1.02	1.00	0.97	0.95	0.93	0.92
Mean years of schooling (male minus female)	0.1	0.0	0.0	0.0	0.0	0.0
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	0.0%	0.9%	1.1%	1.0%	0.8%	0.5%
E2 - incomplete primary	0.0%	0.5%	0.6%	0.5%	0.4%	0.3%
E3 - primary	0.0%	1.0%	1.3%	1.2%	1.1%	0.9%
E4 - lower secondary	18.9%	15.5%	10.4%	7.5%	5.5%	4.1%
E5 - upper secondary	38.9%	37.7%	36.9%	35.9%	34.5%	32.6%
E6 - post-secondary	42.2%	44.5%	49.7%	53.8%	57.7%	61.6%
Mean years of schooling (in years)	12.4	12.3	12.5	12.7	12.9	13.1

Education scenarios
 SSP2/GET: Global Education Trend Scenario (Medium assumption)
 SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)
 SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

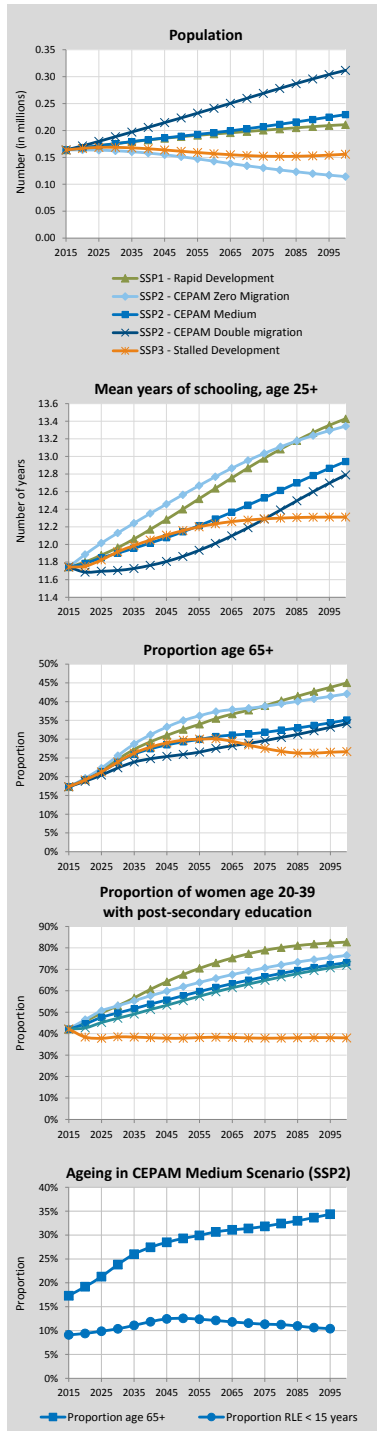
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Channel Islands (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	0.16	0.17	0.18	0.19	0.19	0.20	0.21
SSP2 - CEPAM Zero Migration	0.16	0.16	0.16	0.15	0.14	0.13	0.11
SSP2 - CEPAM Medium	0.16	0.17	0.18	0.19	0.20	0.21	0.23
SSP2 - CEPAM Double Migration	0.16	0.17	0.19	0.22	0.24	0.27	0.31
SSP3 - Stalled Development	0.16	0.17	0.17	0.16	0.16	0.15	0.16
Proportion age 65+							
SSP1 - Rapid Development	17.3%	19.3%	24.6%	32.6%	35.5%	38.9%	45.0%
SSP2 - CEPAM Zero Migration	17.3%	19.6%	25.6%	35.0%	37.3%	38.8%	42.1%
SSP2 - CEPAM Medium	17.3%	19.2%	23.8%	29.3%	30.7%	31.8%	35.1%
SSP2 - CEPAM Double Migration	17.3%	18.8%	22.3%	25.9%	27.5%	29.6%	34.1%
SSP3 - Stalled Development	17.3%	19.1%	23.9%	29.7%	30.1%	27.5%	26.7%
Proportion below age 20							
SSP1 - Rapid Development	20.0%	19.2%	17.7%	15.5%	14.9%	14.0%	12.7%
SSP2 - CEPAM Zero Migration	20.0%	19.3%	18.0%	16.3%	16.1%	15.6%	15.0%
SSP2 - CEPAM Medium	20.0%	19.3%	18.6%	17.7%	17.6%	17.3%	16.7%
SSP2 - CEPAM Double Migration	20.0%	19.4%	19.1%	18.4%	18.3%	17.8%	16.8%
SSP3 - Stalled Development	20.0%	19.6%	20.1%	20.7%	21.9%	23.0%	23.8%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	42.2%	45.7%	53.0%	67.6%	73.0%	78.9%	82.7%
SSP2 - CEPAM Zero Migration	42.2%	46.5%	53.0%	61.9%	65.8%	70.7%	76.5%
SSP2 - CEPAM Medium	42.2%	44.5%	49.7%	57.7%	61.6%	66.6%	73.1%
SSP2 - CEPAM Double Migration	42.2%	42.7%	47.2%	55.4%	59.5%	64.8%	71.9%
SSP3 - Stalled Development	42.2%	38.4%	38.5%	37.9%	38.4%	37.9%	38.0%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	11.7	11.8	12.0	12.4	12.6	13.0	13.4
SSP2 - CEPAM Zero Migration	11.7	11.9	12.1	12.6	12.8	13.0	13.3
SSP2 - CEPAM Medium	11.7	11.8	11.9	12.1	12.3	12.5	12.9
SSP2 - CEPAM Double Migration	11.7	11.7	11.7	11.9	12.0	12.3	12.8
SSP3 - Stalled Development	11.7	11.8	11.9	12.2	12.2	12.3	12.3

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.44	1.42	1.39	1.40	1.41	1.42	1.44
SSP2 - CEPAM Zero Migration	1.49	1.53	1.57	1.61	1.62	1.63	1.65
SSP2 - CEPAM Medium	1.50	1.53	1.57	1.61	1.62	1.63	1.65
SSP2 - CEPAM Double Migration	1.50	1.54	1.57	1.61	1.62	1.63	1.65
SSP3 - Stalled Development	1.61	1.79	1.98	2.12	2.14	2.17	2.21
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	83.5	85.1	88.2	94.5	97.6	102.2	108.5
SSP2 - CEPAM Zero Migration	83.0	84.1	86.3	90.6	92.8	96.0	100.2
SSP2 - CEPAM Medium	83.0	84.1	86.2	90.5	92.6	95.9	100.1
SSP2 - CEPAM Double Migration	83.0	84.0	86.2	90.4	92.5	95.7	100.0
SSP3 - Stalled Development	82.5	83.0	84.2	86.5	87.7	89.4	91.6
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	3.6	3.8	4.2	4.6	4.6	4.3	3.6
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	3.6	3.9	4.4	5.2	5.3	5.4	5.0
SSP2 - CEPAM Double Migration	7.1	7.6	8.3	9.0	9.0	8.6	7.3
SSP3 - Stalled Development	2.4	1.3	0.0	0.0	0.0	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	42.7	44.0	46.1	48.7	49.0	49.8	51.3
Proportion age 65+	17.3%	19.2%	23.8%	29.3%	30.7%	31.8%	34.4%
Proportion RLE < 15 years	9.1%	9.2%	10.3%	12.5%	12.4%	11.1%	10.3%

Chile

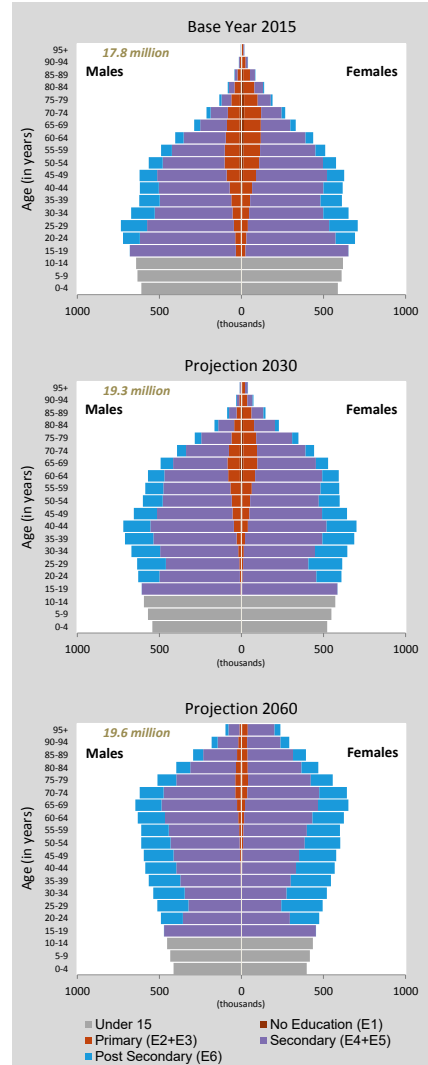
Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	17.76	18.37	19.27	19.75	19.84	19.61
Proportion age 65+	10.4%	12.3%	17.0%	21.7%	25.7%	30.5%
Proportion below age 20	28.3%	26.5%	23.6%	21.0%	19.1%	17.7%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	1.76	1.67	1.62	1.58	1.56	1.55
Life expectancy at birth (in years)						
Male	77.3	78.4	80.6	82.8	85.0	86.1
Female	82.2	83.3	85.7	88.0	90.3	92.5
Five-year net-migration flow (in thousands)	-9.2	-8.1	-5.5	-2.3	1.3	3.1

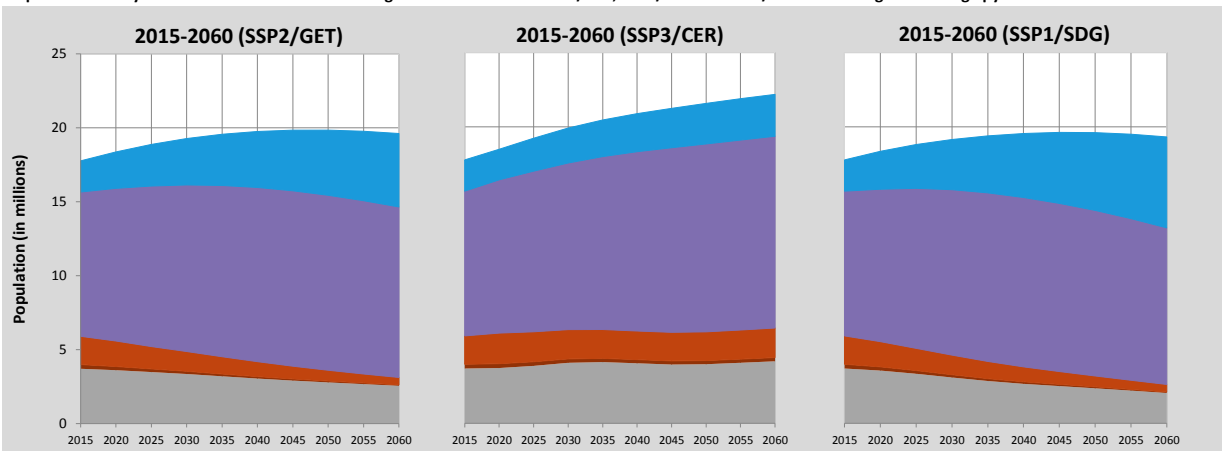
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	2.4%	2.0%	1.4%	0.9%	0.7%	0.5%
E2 - incomplete primary	8.3%	6.9%	4.6%	3.1%	2.0%	1.2%
E3 - primary	7.5%	6.6%	5.1%	3.8%	2.8%	2.1%
E4 - lower secondary	25.0%	24.2%	22.2%	19.7%	16.9%	14.0%
E5 - upper secondary	40.1%	42.1%	45.6%	48.3%	50.3%	51.6%
E6 - post-secondary	16.7%	18.2%	21.2%	24.2%	27.3%	30.7%
Mean years of schooling (in years)	10.8	11.1	11.6	12.0	12.3	12.6
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.84	0.85	0.87	0.90	0.90	0.88
E2 - incomplete primary	0.86	0.86	0.86	0.87	0.88	0.88
E3 - primary	0.88	0.88	0.90	0.91	0.92	0.93
E4 - lower secondary	1.03	1.05	1.07	1.08	1.10	1.13
E5 - upper secondary	1.02	1.02	1.02	1.03	1.05	1.07
E6 - post-secondary	1.05	1.02	0.96	0.92	0.88	0.85
Mean years of schooling (male minus female)	0.1	0.1	0.0	0.0	-0.1	-0.1
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	0.7%	0.6%	0.3%	0.1%	0.1%	0.0%
E2 - incomplete primary	2.5%	1.8%	0.5%	0.2%	0.1%	0.0%
E3 - primary	3.6%	2.9%	1.6%	0.9%	0.5%	0.3%
E4 - lower secondary	22.1%	19.1%	14.2%	10.4%	7.3%	4.8%
E5 - upper secondary	50.6%	52.8%	56.4%	57.3%	56.9%	55.4%
E6 - post-secondary	20.5%	22.9%	27.0%	31.0%	35.1%	39.4%
Mean years of schooling (in years)	11.9	12.2	12.7	13.1	13.4	13.8

Education scenarios
 SSP2/GET: Global Education Trend Scenario (Medium assumption)
 SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)
 SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

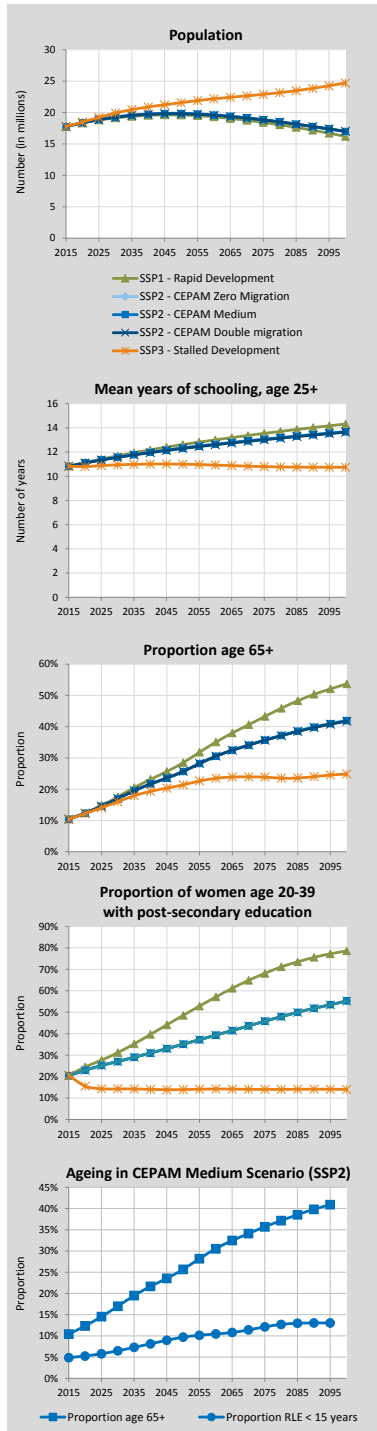
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Chile (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	17.76	18.34	19.14	19.60	19.31	18.43	16.20
SSP2 - CEPAM Zero Migration	17.76	18.38	19.30	19.89	19.66	18.88	16.95
SSP2 - CEPAM Medium	17.76	18.37	19.27	19.84	19.61	18.85	17.00
SSP2 - CEPAM Double Migration	17.76	18.36	19.25	19.79	19.56	18.80	17.01
SSP3 - Stalled Development	17.76	18.48	19.91	21.57	22.18	22.89	24.72
Proportion age 65+							
SSP1 - Rapid Development	10.4%	12.4%	17.5%	28.5%	35.1%	43.3%	53.7%
SSP2 - CEPAM Zero Migration	10.4%	12.3%	16.9%	25.6%	30.5%	35.8%	42.1%
SSP2 - CEPAM Medium	10.4%	12.3%	17.0%	25.7%	30.5%	35.7%	41.9%
SSP2 - CEPAM Double Migration	10.4%	12.3%	17.0%	25.7%	30.6%	35.7%	41.7%
SSP3 - Stalled Development	10.4%	12.2%	16.0%	21.4%	23.5%	23.9%	24.8%
Proportion below age 20							
SSP1 - Rapid Development	28.3%	26.3%	22.4%	16.6%	14.7%	12.5%	10.3%
SSP2 - CEPAM Zero Migration	28.3%	26.5%	23.6%	19.1%	17.7%	16.1%	14.7%
SSP2 - CEPAM Medium	28.3%	26.5%	23.6%	19.1%	17.7%	16.1%	14.7%
SSP2 - CEPAM Double Migration	28.3%	26.5%	23.6%	19.1%	17.7%	16.1%	14.8%
SSP3 - Stalled Development	28.3%	27.0%	26.5%	24.7%	24.8%	24.7%	25.2%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	20.5%	24.5%	31.2%	48.6%	57.1%	68.1%	78.6%
SSP2 - CEPAM Zero Migration	20.5%	22.9%	27.0%	35.1%	39.4%	45.9%	55.3%
SSP2 - CEPAM Medium	20.5%	22.9%	27.0%	35.1%	39.4%	45.9%	55.2%
SSP2 - CEPAM Double Migration	20.5%	22.9%	27.0%	35.1%	39.3%	45.8%	55.2%
SSP3 - Stalled Development	20.5%	15.5%	14.2%	13.9%	14.2%	14.0%	14.0%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	10.8	11.1	11.7	12.6	13.0	13.5	14.3
SSP2 - CEPAM Zero Migration	10.8	11.1	11.6	12.4	12.7	13.1	13.7
SSP2 - CEPAM Medium	10.8	11.1	11.6	12.3	12.6	13.0	13.7
SSP2 - CEPAM Double Migration	10.8	11.1	11.6	12.3	12.6	13.0	13.6
SSP3 - Stalled Development	10.8	10.8	10.9	11.0	10.9	10.8	10.7

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.69	1.54	1.42	1.34	1.34	1.35	1.38
SSP2 - CEPAM Zero Migration	1.76	1.67	1.62	1.56	1.55	1.57	1.60
SSP2 - CEPAM Medium	1.76	1.67	1.62	1.56	1.55	1.57	1.60
SSP2 - CEPAM Double Migration	1.76	1.67	1.62	1.56	1.55	1.57	1.60
SSP3 - Stalled Development	1.95	2.09	2.16	2.13	2.14	2.20	2.30
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	82.7	84.4	87.7	94.3	97.6	102.5	109.1
SSP2 - CEPAM Zero Migration	82.2	83.4	85.7	90.3	92.6	96.0	100.6
SSP2 - CEPAM Medium	82.2	83.3	85.7	90.3	92.5	96.0	100.6
SSP2 - CEPAM Double Migration	82.2	83.3	85.6	90.2	92.5	96.0	100.6
SSP3 - Stalled Development	81.6	82.3	83.5	86.0	87.2	89.0	91.4
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-9.2	-8.4	-6.9	-3.1	-1.4	0.5	1.8
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-9.2	-8.1	-5.5	1.3	4.8	9.2	13.5
SSP2 - CEPAM Double Migration	-18.4	-16.5	-11.8	0.9	7.3	15.6	23.5
SSP3 - Stalled Development	-6.1	-2.7	0.0	0.0	0.0	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	33.7	35.6	39.6	46.6	49.4	53.2	56.9
Proportion age 65+	10.4%	12.3%	17.0%	25.7%	30.5%	35.7%	40.9%
Proportion RLE < 15 years	4.9%	5.2%	6.1%	9.3%	10.2%	11.6%	12.9%

China

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	1396.70	1419.89	1424.93	1379.96	1306.68	1208.51
Proportion age 65+	9.7%	12.2%	17.2%	24.5%	27.7%	33.4%
Proportion below age 20	23.5%	22.7%	20.2%	16.8%	15.7%	15.3%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	1.47	1.42	1.39	1.39	1.41	1.42
Life expectancy at birth (in years)						
Male	75.0	75.9	77.7	79.5	81.3	82.2
Female	78.1	79.0	80.9	82.8	84.7	86.6
Five-year net-migration flow (in thousands)	-918.1	-925.0	-906.2	-850.9	-780.8	-741.1

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	4.7%	3.5%	2.0%	1.0%	0.6%	0.3%
E2 - incomplete primary	6.7%	5.8%	4.3%	3.0%	1.9%	1.2%
E3 - primary	17.4%	15.3%	11.3%	7.6%	4.7%	2.6%
E4 - lower secondary	44.7%	45.4%	45.3%	42.3%	37.3%	31.0%
E5 - upper secondary	15.1%	16.9%	20.4%	24.4%	27.7%	30.4%
E6 - post-secondary	11.3%	13.1%	16.7%	21.7%	27.8%	34.4%
Mean years of schooling (in years)	7.9	8.3	9.1	9.9	10.6	11.3
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.34	0.33	0.32	0.34	0.38	0.42
E2 - incomplete primary	0.64	0.61	0.56	0.53	0.51	0.51
E3 - primary	0.78	0.74	0.67	0.61	0.58	0.56
E4 - lower secondary	1.15	1.13	1.10	1.06	1.03	1.01
E5 - upper secondary	1.27	1.23	1.17	1.15	1.14	1.15
E6 - post-secondary	1.21	1.16	1.10	1.03	0.98	0.95
Mean years of schooling (male minus female)	0.4	0.4	0.3	0.2	0.1	0.1
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	0.6%	0.5%	0.1%	0.0%	0.0%	0.0%
E2 - incomplete primary	2.4%	1.5%	0.8%	0.3%	0.1%	0.0%
E3 - primary	5.5%	4.1%	0.9%	0.2%	0.0%	0.0%
E4 - lower secondary	47.9%	44.2%	33.7%	21.4%	12.5%	6.2%
E5 - upper secondary	21.8%	25.9%	36.7%	41.7%	41.5%	38.7%
E6 - post-secondary	21.7%	23.9%	27.8%	36.4%	45.9%	55.1%
Mean years of schooling (in years)	9.7	10.2	11.5	12.4	12.9	13.4

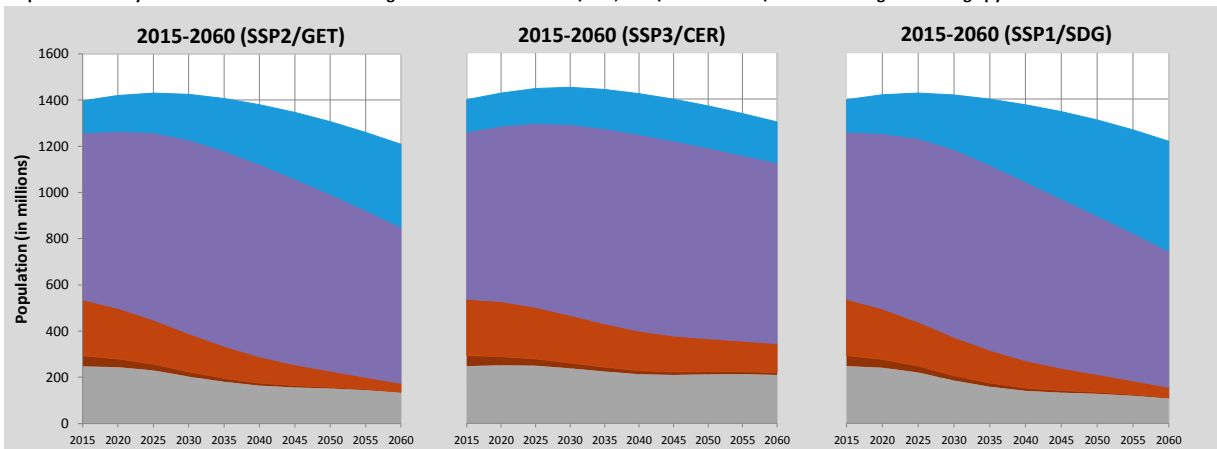
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

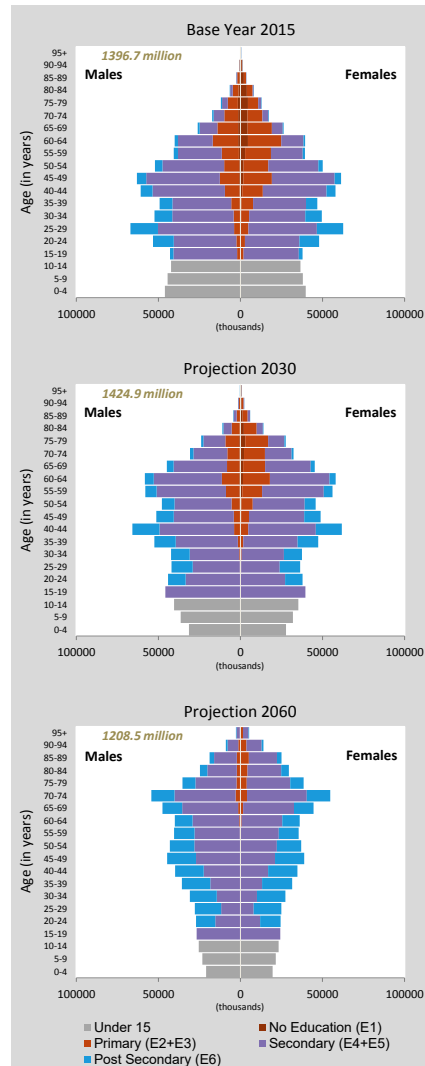
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

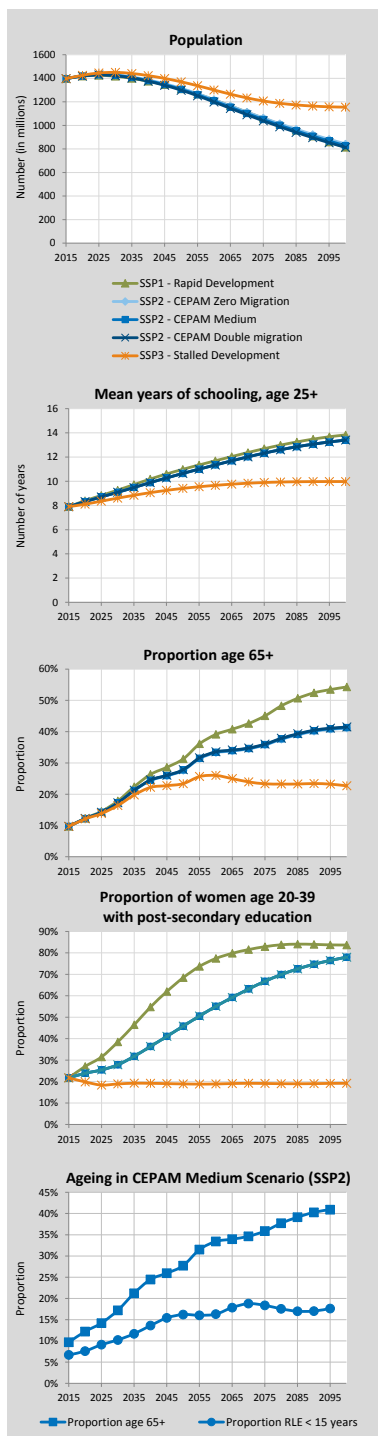
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



China (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)	2015 2020 2030 2050 2060 2075 2100						
	Population (in millions)						
SSP1 - Rapid Development	1396.7	1418.0	1417.2	1309.4	1217.4	1060.7	814.1
SSP2 - CEPAM Zero Migration	1396.7	1420.9	1428.1	1314.3	1218.3	1063.3	842.7
SSP2 - CEPAM Medium	1396.7	1419.9	1424.9	1306.7	1208.5	1051.0	827.8
SSP2 - CEPAM Double Migration	1396.7	1418.9	1421.8	1299.1	1198.8	1038.7	813.0
SSP3 - Stalled Development	1396.7	1425.3	1450.1	1370.0	1300.7	1207.6	1154.9
Proportion age 65+							
SSP1 - Rapid Development	9.7%	12.3%	17.8%	31.3%	39.1%	45.1%	54.3%
SSP2 - CEPAM Zero Migration	9.7%	12.2%	17.2%	27.6%	33.3%	35.7%	41.1%
SSP2 - CEPAM Medium	9.7%	12.2%	17.2%	27.7%	33.4%	35.9%	41.3%
SSP2 - CEPAM Double Migration	9.7%	12.2%	17.2%	27.8%	33.6%	36.0%	41.5%
SSP3 - Stalled Development	9.7%	12.1%	16.4%	23.4%	26.0%	23.3%	22.7%
Proportion below age 20							
SSP1 - Rapid Development	23.5%	22.5%	19.1%	13.2%	12.4%	10.5%	9.5%
SSP2 - CEPAM Zero Migration	23.5%	22.7%	20.3%	15.7%	15.3%	14.1%	13.9%
SSP2 - CEPAM Medium	23.5%	22.7%	20.2%	15.7%	15.3%	14.0%	13.8%
SSP2 - CEPAM Double Migration	23.5%	22.7%	20.2%	15.6%	15.3%	14.0%	13.8%
SSP3 - Stalled Development	23.5%	23.1%	22.3%	20.5%	21.5%	22.4%	24.5%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	21.7%	27.1%	38.5%	68.5%	77.4%	82.9%	83.7%
SSP2 - CEPAM Zero Migration	21.7%	23.9%	27.8%	45.9%	55.1%	66.8%	78.1%
SSP2 - CEPAM Medium	21.7%	23.9%	27.8%	45.9%	55.1%	66.8%	78.0%
SSP2 - CEPAM Double Migration	21.7%	23.9%	27.8%	45.9%	55.1%	66.7%	78.0%
SSP3 - Stalled Development	21.7%	19.8%	18.9%	18.9%	18.9%	19.1%	19.2%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	7.9	8.4	9.3	11.0	11.7	12.7	13.8
SSP2 - CEPAM Zero Migration	7.9	8.3	9.1	10.7	11.4	12.3	13.4
SSP2 - CEPAM Medium	7.9	8.3	9.1	10.6	11.3	12.3	13.4
SSP2 - CEPAM Double Migration	7.9	8.3	9.1	10.6	11.3	12.3	13.4
SSP3 - Stalled Development	7.9	8.1	8.6	9.4	9.7	9.9	10.0

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.40	1.27	1.18	1.21	1.24	1.28	1.32
SSP2 - CEPAM Zero Migration	1.47	1.42	1.39	1.41	1.43	1.46	1.51
SSP2 - CEPAM Medium	1.47	1.42	1.39	1.41	1.43	1.46	1.51
SSP2 - CEPAM Double Migration	1.47	1.42	1.39	1.41	1.43	1.46	1.51
SSP3 - Stalled Development	1.60	1.70	1.82	1.94	2.01	2.10	2.22
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	78.6	80.1	83.0	88.7	91.6	96.0	101.9
SSP2 - CEPAM Zero Migration	78.1	79.0	80.9	84.7	86.6	89.4	93.2
SSP2 - CEPAM Medium	78.1	79.0	80.9	84.7	86.6	89.4	93.2
SSP2 - CEPAM Double Migration	78.1	79.0	80.9	84.7	86.6	89.4	93.2
SSP3 - Stalled Development	77.6	77.9	78.7	80.3	81.0	82.1	83.6
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-919.3	-926.6	-909.8	-803.4	-730.0	-616.1	-481.7
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-918.1	-925.0	-906.2	-780.8	-699.7	-580.4	-453.6
SSP2 - CEPAM Double Migration	-1836.3	-1849.0	-1809.4	-1554.4	-1390.3	-1149.3	-893.5
SSP3 - Stalled Development	-611.6	-309.1	-0.9	-0.8	-0.7	-0.6	-0.6

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	37.0	38.8	43.3	50.3	52.0	55.4	57.3
Proportion age 65+	9.7%	12.2%	17.2%	27.7%	33.4%	35.9%	40.9%
Proportion RLE < 15 years	6.3%	7.0%	9.9%	16.3%	16.1%	18.7%	16.9%

Colombia

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	48.23	50.31	53.82	56.08	57.23	57.23
Proportion age 65+	7.0%	8.7%	12.7%	16.9%	21.1%	25.3%
Proportion below age 20	32.7%	30.6%	27.3%	25.0%	23.1%	21.5%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	1.92	1.92	1.87	1.86	1.83	1.68
Life expectancy at birth (in years)						
Male	71.1	72.3	74.7	77.0	79.4	80.5
Female	78.3	79.4	81.6	83.7	85.9	88.1
Five-year net-migration flow (in thousands)	-224.8	-233.9	-248.5	-256.9	-260.2	-260.3

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	6.9%	5.7%	4.0%	2.8%	1.9%	1.2%
E2 - incomplete primary	16.2%	14.4%	11.0%	8.2%	5.9%	4.0%
E3 - primary	27.1%	25.9%	23.1%	19.9%	16.5%	13.1%
E4 - lower secondary	6.7%	7.0%	7.7%	8.2%	8.2%	8.0%
E5 - upper secondary	24.6%	26.9%	31.1%	34.8%	38.0%	40.6%
E6 - post-secondary	18.5%	20.1%	23.1%	26.2%	29.5%	33.0%
Mean years of schooling (in years)	7.9	8.3	9.0	9.6	10.2	10.7
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	1.06	1.08	1.12	1.16	1.19	1.20
E2 - incomplete primary	1.04	1.04	1.05	1.06	1.07	1.07
E3 - primary	1.03	1.04	1.05	1.07	1.08	1.11
E4 - lower secondary	1.00	1.03	1.09	1.15	1.20	1.26
E5 - upper secondary	1.00	1.01	1.03	1.05	1.07	1.09
E6 - post-secondary	0.90	0.88	0.85	0.83	0.81	0.80
Mean years of schooling (male minus female)	-0.1	-0.1	-0.1	-0.2	-0.2	-0.2
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	2.9%	2.2%	1.0%	0.5%	0.2%	0.1%
E2 - incomplete primary	8.2%	6.6%	3.7%	1.9%	0.9%	0.4%
E3 - primary	21.2%	19.1%	14.7%	10.1%	6.5%	4.0%
E4 - lower secondary	8.1%	8.5%	9.3%	9.0%	7.8%	6.5%
E5 - upper secondary	37.4%	39.3%	43.3%	46.4%	48.2%	48.9%
E6 - post-secondary	22.2%	24.2%	28.1%	32.1%	36.3%	40.2%
Mean years of schooling (in years)	9.7	10.1	10.8	11.4	11.8	12.1

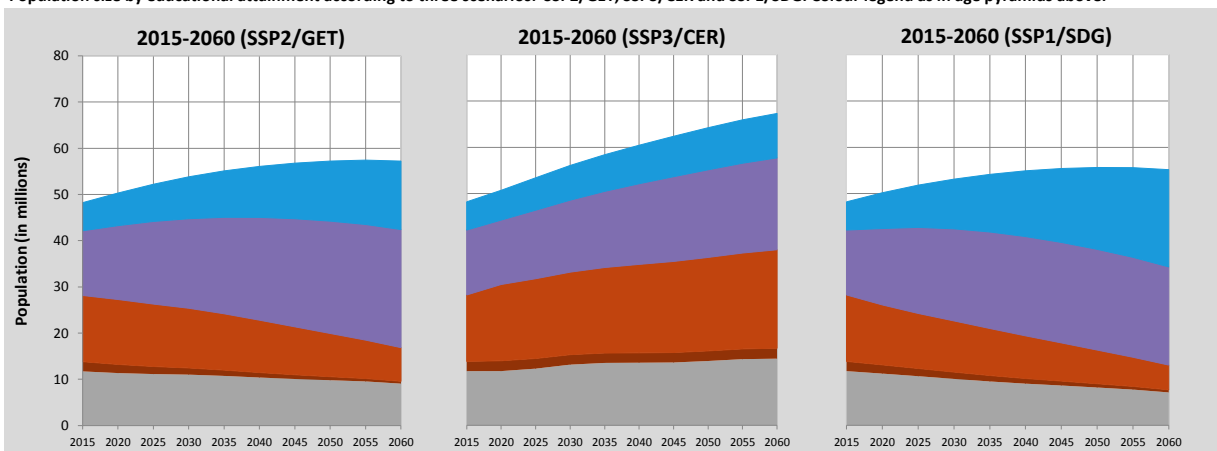
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

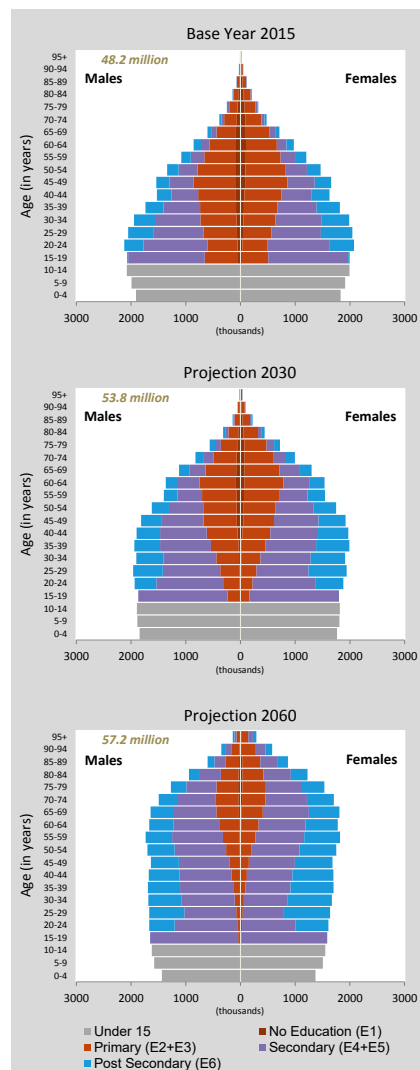
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

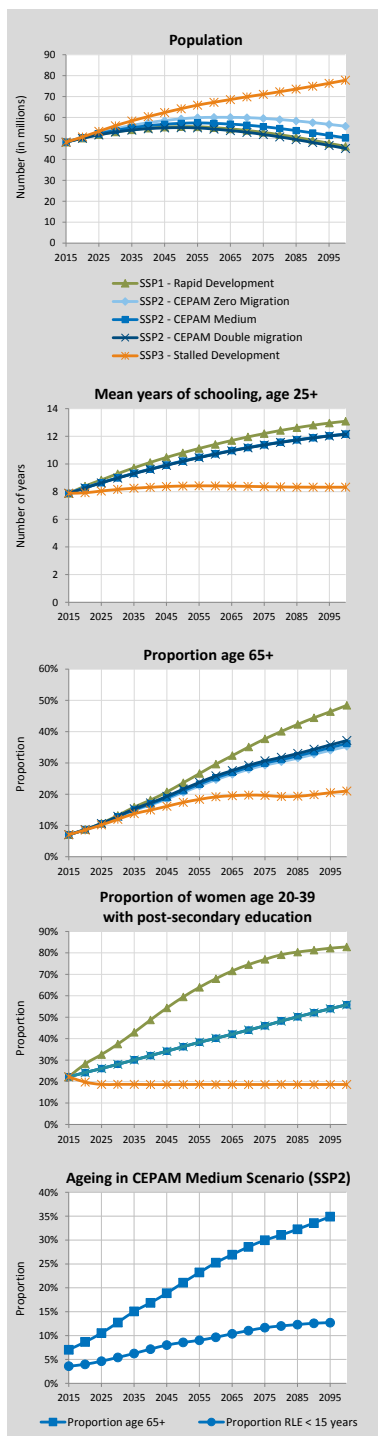
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



Colombia (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)	2015 2020 2030 2050 2060 2075 2100						
	Population (in millions)						
SSP1 - Rapid Development	48.23	50.19	53.12	55.64	55.17	52.91	46.20
SSP2 - CEPAM Zero Migration	48.23	50.55	54.62	59.36	60.09	59.58	55.84
SSP2 - CEPAM Medium	48.23	50.31	53.82	57.23	57.23	55.63	50.29
SSP2 - CEPAM Double Migration	48.23	50.08	53.03	55.17	54.48	51.91	45.25
SSP3 - Stalled Development	48.23	50.72	56.08	64.22	67.30	71.08	77.83
Proportion age 65+							
SSP1 - Rapid Development	7.0%	8.7%	13.2%	23.7%	29.6%	37.7%	48.4%
SSP2 - CEPAM Zero Migration	7.0%	8.6%	12.6%	20.6%	24.7%	29.3%	35.3%
SSP2 - CEPAM Medium	7.0%	8.7%	12.7%	21.1%	25.3%	30.0%	36.2%
SSP2 - CEPAM Double Migration	7.0%	8.7%	12.9%	21.6%	25.9%	30.6%	37.2%
SSP3 - Stalled Development	7.0%	8.5%	12.0%	17.4%	19.1%	19.6%	21.0%
Proportion below age 20							
SSP1 - Rapid Development	32.7%	30.3%	25.8%	20.0%	17.8%	14.8%	11.6%
SSP2 - CEPAM Zero Migration	32.7%	30.6%	27.2%	23.1%	21.5%	19.1%	16.6%
SSP2 - CEPAM Medium	32.7%	30.6%	27.3%	23.1%	21.5%	19.0%	16.4%
SSP2 - CEPAM Double Migration	32.7%	30.6%	27.3%	23.1%	21.5%	18.9%	16.2%
SSP3 - Stalled Development	32.7%	31.1%	29.9%	28.6%	28.2%	27.2%	26.2%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	22.2%	28.3%	37.5%	59.5%	68.0%	77.0%	82.8%
SSP2 - CEPAM Zero Migration	22.2%	24.2%	28.1%	36.3%	40.2%	46.0%	55.8%
SSP2 - CEPAM Medium	22.2%	24.2%	28.1%	36.3%	40.2%	46.0%	55.8%
SSP2 - CEPAM Double Migration	22.2%	24.2%	28.1%	36.3%	40.2%	46.0%	55.8%
SSP3 - Stalled Development	22.2%	19.7%	18.7%	18.6%	18.7%	18.6%	18.6%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	7.9	8.4	9.3	10.8	11.4	12.2	13.1
SSP2 - CEPAM Zero Migration	7.9	8.3	9.0	10.2	10.7	11.4	12.2
SSP2 - CEPAM Medium	7.9	8.3	9.0	10.2	10.7	11.4	12.2
SSP2 - CEPAM Double Migration	7.9	8.3	9.0	10.2	10.7	11.4	12.1
SSP3 - Stalled Development	7.9	7.9	8.2	8.4	8.4	8.4	8.3

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.83	1.73	1.62	1.59	1.45	1.39	1.36
SSP2 - CEPAM Zero Migration	1.92	1.92	1.87	1.83	1.69	1.62	1.58
SSP2 - CEPAM Medium	1.92	1.92	1.87	1.83	1.69	1.62	1.58
SSP2 - CEPAM Double Migration	1.92	1.92	1.87	1.83	1.69	1.62	1.58
SSP3 - Stalled Development	2.11	2.29	2.38	2.32	2.22	2.19	2.20
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	78.8	80.4	83.6	90.0	93.2	98.0	104.5
SSP2 - CEPAM Zero Migration	78.3	79.4	81.6	85.9	88.1	91.4	95.8
SSP2 - CEPAM Medium	78.3	79.4	81.6	85.9	88.1	91.4	95.8
SSP2 - CEPAM Double Migration	78.3	79.4	81.6	85.9	88.1	91.4	95.8
SSP3 - Stalled Development	77.7	78.2	79.2	81.4	82.3	83.8	86.0
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-225.1	-233.8	-246.4	-255.4	-252.0	-240.2	-215.1
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-224.8	-233.9	-248.5	-260.2	-258.5	-249.2	-229.0
SSP2 - CEPAM Double Migration	-449.7	-465.5	-489.4	-500.3	-490.4	-462.4	-411.8
SSP3 - Stalled Development	-149.9	-78.6	-0.2	-0.3	-0.3	-0.3	-0.3

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	30.0	32.1	35.9	42.1	44.4	47.8	52.1
Proportion age 65+	7.0%	8.7%	12.7%	21.1%	25.3%	30.0%	34.9%
Proportion RLE < 15 years	3.6%	3.9%	5.2%	8.6%	9.7%	11.9%	13.1%

Comoros

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	0.78	0.87	1.04	1.20	1.33	1.42
Proportion age 65+	2.9%	3.1%	4.0%	5.1%	6.7%	8.8%
Proportion below age 20	50.6%	49.2%	44.4%	38.6%	34.6%	30.7%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	4.09	3.53	2.85	2.40	2.11	2.00
Life expectancy at birth (in years)						
Male	62.3	63.1	64.7	66.3	68.0	68.8
Female	65.8	66.6	68.3	70.0	71.7	73.4
Five-year net-migration flow (in thousands)	-4.9	-5.6	-6.9	-8.1	-9.1	-9.5

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	36.0%	28.6%	18.0%	10.7%	6.2%	3.4%
E2 - incomplete primary	12.1%	12.6%	11.6%	9.4%	7.2%	5.2%
E3 - primary	17.4%	18.9%	20.1%	19.3%	17.3%	14.7%
E4 - lower secondary	11.8%	12.6%	13.9%	14.9%	15.3%	15.0%
E5 - upper secondary	8.8%	10.7%	15.0%	19.8%	24.1%	28.0%
E6 - post-secondary	13.8%	16.5%	21.4%	25.9%	29.9%	33.8%
Mean years of schooling (in years)	6.4	7.3	8.9	10.2	11.3	12.2
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.64	0.62	0.58	0.57	0.58	0.60
E2 - incomplete primary	1.13	1.17	1.15	1.15	1.15	1.15
E3 - primary	1.25	1.16	1.11	1.09	1.09	1.09
E4 - lower secondary	1.24	1.13	1.03	0.96	0.94	0.93
E5 - upper secondary	1.33	1.25	1.12	1.05	1.01	0.98
E6 - post-secondary	1.45	1.34	1.19	1.10	1.06	1.04
Mean years of schooling (male minus female)	0.9	0.8	0.6	0.3	0.2	0.1
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	15.9%	10.5%	4.2%	2.4%	1.2%	0.5%
E2 - incomplete primary	14.1%	13.0%	9.1%	5.1%	2.9%	1.5%
E3 - primary	23.9%	23.0%	20.5%	16.6%	12.6%	8.6%
E4 - lower secondary	16.1%	15.9%	15.9%	15.9%	15.2%	13.3%
E5 - upper secondary	15.0%	18.4%	25.0%	30.5%	34.7%	38.6%
E6 - post-secondary	15.0%	19.1%	25.3%	29.5%	33.5%	37.5%
Mean years of schooling (in years)	8.1	9.2	10.9	12.1	12.9	13.6

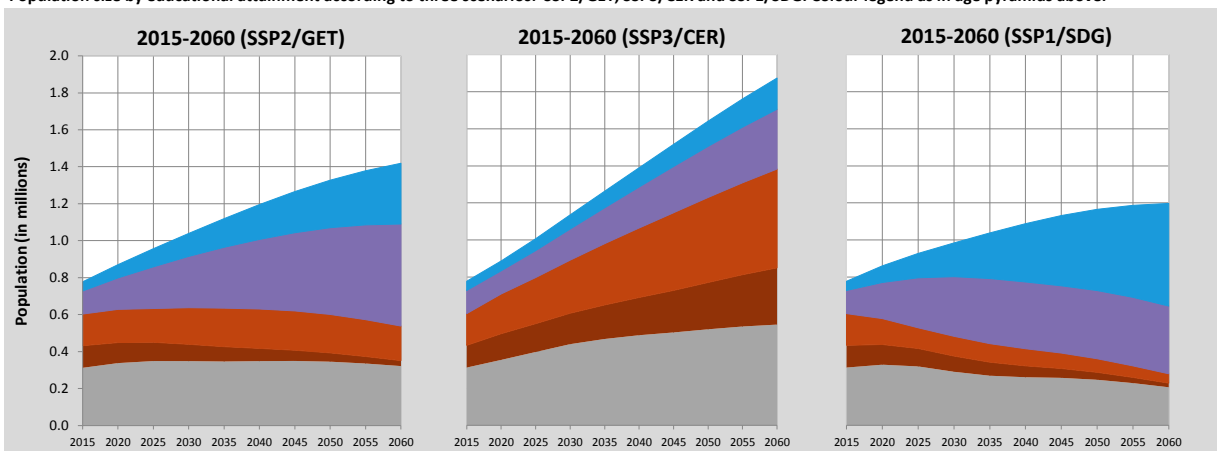
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

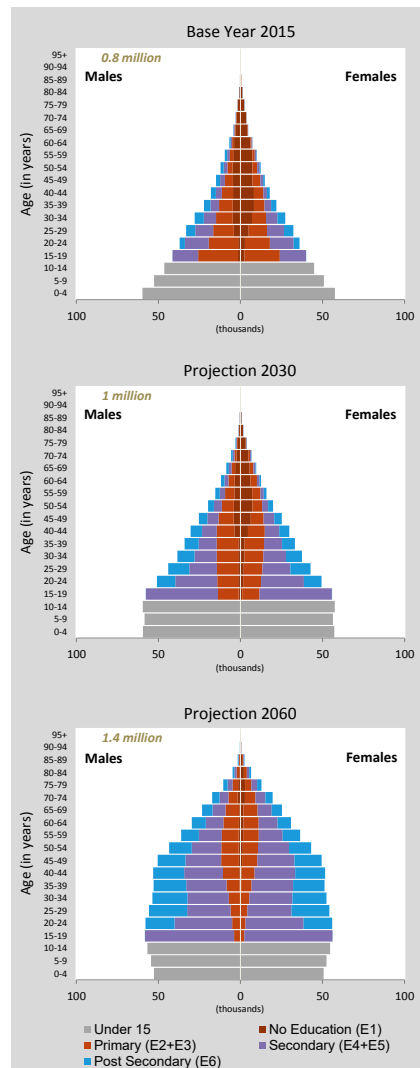
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

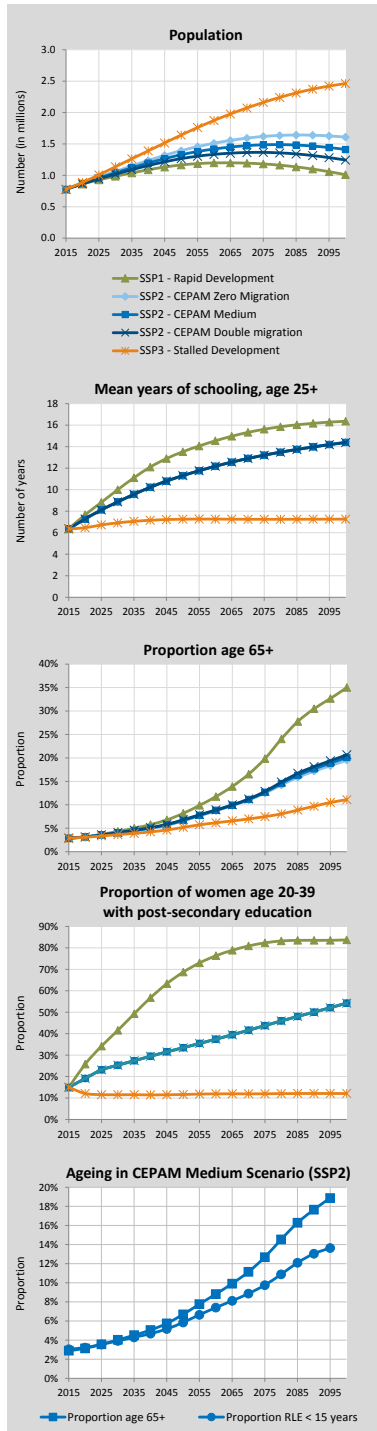
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



Comoros (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	0.78	0.86	0.98	1.17	1.20	1.18	1.01
SSP2 - CEPAM Zero Migration	0.78	0.88	1.06	1.39	1.51	1.62	1.61
SSP2 - CEPAM Medium	0.78	0.87	1.04	1.33	1.42	1.49	1.41
SSP2 - CEPAM Double Migration	0.78	0.86	1.02	1.27	1.33	1.37	1.24
SSP3 - Stalled Development	0.78	0.89	1.14	1.64	1.87	2.16	2.46
Proportion age 65+							
SSP1 - Rapid Development	2.9%	3.2%	4.3%	8.2%	11.8%	19.8%	35.0%
SSP2 - CEPAM Zero Migration	2.9%	3.1%	4.0%	6.6%	8.7%	12.5%	19.5%
SSP2 - CEPAM Medium	2.9%	3.1%	4.0%	6.7%	8.8%	12.7%	20.1%
SSP2 - CEPAM Double Migration	2.9%	3.2%	4.1%	6.8%	8.9%	12.9%	20.7%
SSP3 - Stalled Development	2.9%	3.1%	3.6%	5.2%	6.2%	7.5%	11.1%
Proportion below age 20							
SSP1 - Rapid Development	50.6%	48.6%	40.9%	28.5%	24.1%	18.5%	13.2%
SSP2 - CEPAM Zero Migration	50.6%	49.1%	44.2%	34.4%	30.5%	26.0%	21.5%
SSP2 - CEPAM Medium	50.6%	49.2%	44.4%	34.6%	30.7%	26.0%	21.3%
SSP2 - CEPAM Double Migration	50.6%	49.3%	44.6%	34.8%	30.9%	26.1%	21.2%
SSP3 - Stalled Development	50.6%	50.0%	48.6%	41.3%	38.1%	33.9%	30.0%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	15.0%	25.8%	41.6%	68.7%	76.4%	82.3%	83.7%
SSP2 - CEPAM Zero Migration	15.0%	19.1%	25.3%	33.5%	37.5%	43.8%	54.3%
SSP2 - CEPAM Medium	15.0%	19.1%	25.3%	33.5%	37.5%	43.8%	54.3%
SSP2 - CEPAM Double Migration	15.0%	19.1%	25.3%	33.4%	37.4%	43.8%	54.2%
SSP3 - Stalled Development	15.0%	12.1%	11.5%	11.6%	11.9%	12.0%	12.1%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	6.4	7.7	10.0	13.5	14.5	15.6	16.4
SSP2 - CEPAM Zero Migration	6.4	7.3	8.9	11.3	12.2	13.2	14.4
SSP2 - CEPAM Medium	6.4	7.3	8.9	11.3	12.2	13.2	14.4
SSP2 - CEPAM Double Migration	6.4	7.3	8.9	11.3	12.2	13.2	14.4
SSP3 - Stalled Development	6.4	6.5	6.9	7.3	7.3	7.3	7.3

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	3.73	2.90	2.12	1.55	1.42	1.30	1.20
SSP2 - CEPAM Zero Migration	4.09	3.53	2.85	2.11	1.92	1.76	1.62
SSP2 - CEPAM Medium	4.09	3.53	2.85	2.11	1.92	1.76	1.62
SSP2 - CEPAM Double Migration	4.09	3.53	2.85	2.11	1.92	1.76	1.62
SSP3 - Stalled Development	4.60	4.46	3.91	2.85	2.58	2.39	2.25
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	66.3	67.9	71.0	76.3	78.9	83.1	88.5
SSP2 - CEPAM Zero Migration	65.8	66.6	68.3	71.7	73.4	75.9	79.3
SSP2 - CEPAM Medium	65.8	66.6	68.3	71.7	73.4	75.9	79.3
SSP2 - CEPAM Double Migration	65.8	66.6	68.3	71.7	73.4	75.9	79.3
SSP3 - Stalled Development	65.1	65.0	65.1	65.3	65.5	66.0	67.1
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-4.9	-5.5	-6.5	-7.9	-8.1	-7.9	-6.8
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-4.9	-5.6	-6.9	-9.1	-9.8	-10.2	-9.6
SSP2 - CEPAM Double Migration	-9.7	-11.1	-13.4	-17.2	-18.1	-18.3	-16.5
SSP3 - Stalled Development	-3.2	-1.9	0.0	0.0	0.0	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	19.7	20.4	22.9	29.3	32.4	36.8	42.0
Proportion age 65+	2.9%	3.1%	4.0%	6.7%	8.8%	12.7%	18.9%
Proportion RLE < 15 years	3.0%	3.1%	3.8%	5.7%	7.3%	9.5%	13.5%

Costa Rica

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	4.81	5.06	5.52	5.85	6.09	6.24
Proportion age 65+	8.9%	10.4%	14.9%	18.7%	23.0%	27.8%
Proportion below age 20	30.6%	28.1%	25.2%	22.7%	20.6%	19.4%
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	1.80	1.74	1.71	1.70	1.70	1.72
Life expectancy at birth (in years)						
Male	77.8	78.8	80.7	82.7	84.6	85.6
Female	82.5	83.5	85.6	87.6	89.6	91.7
Five-year net-migration flow (in thousands)	29.6	31.5	35.0	38.1	40.8	41.8

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	3.6%	3.1%	2.4%	1.9%	1.5%	1.2%
E2 - incomplete primary	13.4%	11.7%	9.0%	6.8%	5.2%	3.8%
E3 - primary	35.4%	34.2%	31.7%	28.5%	24.6%	20.6%
E4 - lower secondary	9.8%	10.3%	11.1%	11.7%	12.0%	12.0%
E5 - upper secondary	17.2%	18.4%	20.6%	22.8%	24.9%	26.7%
E6 - post-secondary	20.7%	22.3%	25.3%	28.4%	31.8%	35.6%
Mean years of schooling (in years)	8.7	9.0	9.5	10.0	10.5	10.9
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	1.06	1.04	1.03	1.02	0.99	0.95
E2 - incomplete primary	0.95	0.96	0.97	0.99	1.00	0.99
E3 - primary	1.05	1.06	1.06	1.05	1.05	1.06
E4 - lower secondary	1.03	1.03	1.05	1.08	1.11	1.14
E5 - upper secondary	0.98	0.98	1.00	1.03	1.06	1.08
E6 - post-secondary	0.94	0.93	0.92	0.90	0.89	0.87
Mean years of schooling (male minus female)	0.0	-0.1	-0.1	-0.1	-0.1	-0.1
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	1.6%	1.3%	0.8%	0.5%	0.3%	0.2%
E2 - incomplete primary	7.5%	5.9%	3.5%	1.9%	1.1%	0.5%
E3 - primary	31.1%	28.5%	23.6%	17.7%	12.2%	8.1%
E4 - lower secondary	12.8%	12.7%	12.6%	12.7%	12.2%	10.8%
E5 - upper secondary	24.4%	26.1%	29.1%	31.9%	34.0%	35.0%
E6 - post-secondary	22.7%	25.5%	30.4%	35.2%	40.2%	45.3%
Mean years of schooling (in years)	9.9	10.2	10.8	11.5	12.0	12.5

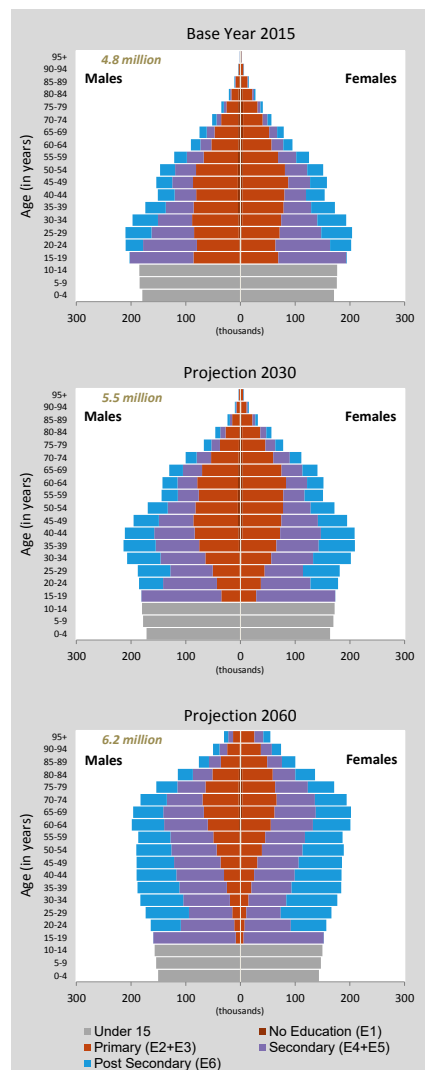
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

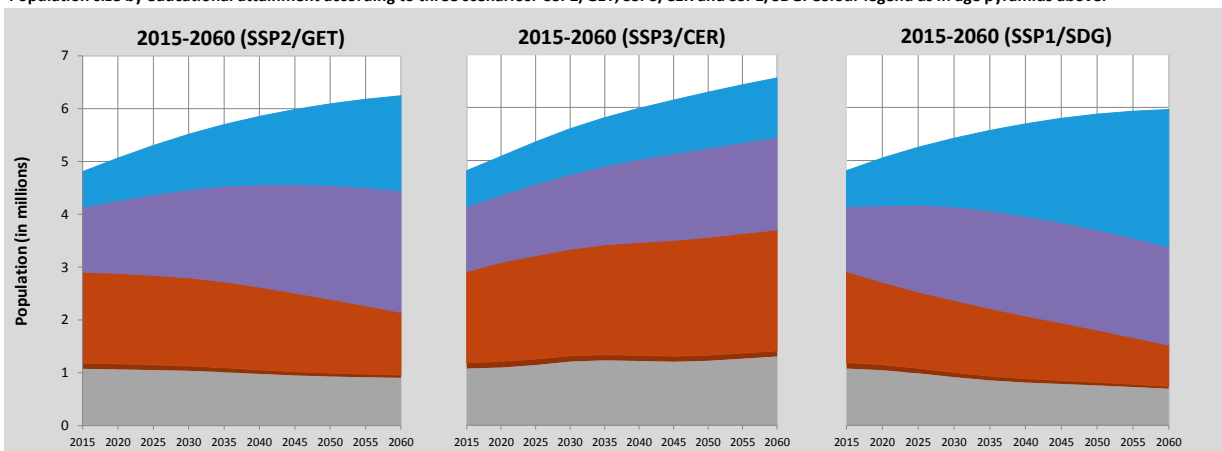
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

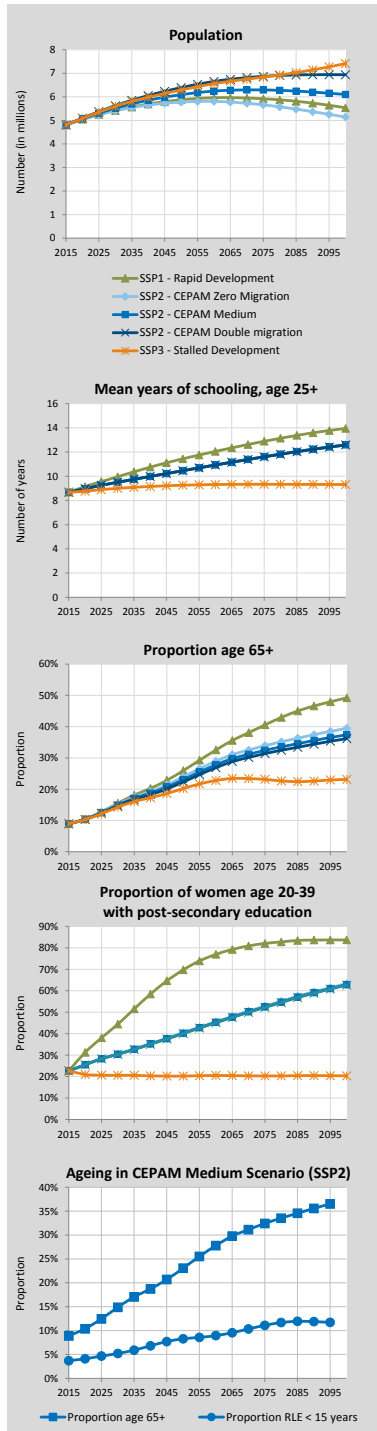
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Costa Rica (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	4.81	5.05	5.42	5.88	5.96	5.92	5.54
SSP2 - CEPAM Zero Migration	4.81	5.03	5.40	5.78	5.81	5.66	5.14
SSP2 - CEPAM Medium	4.81	5.06	5.52	6.09	6.24	6.29	6.10
SSP2 - CEPAM Double Migration	4.81	5.10	5.63	6.39	6.65	6.87	6.94
SSP3 - Stalled Development	4.81	5.08	5.60	6.29	6.56	6.84	7.41
Proportion age 65+							
SSP1 - Rapid Development	8.9%	10.5%	15.5%	25.9%	32.5%	40.6%	49.2%
SSP2 - CEPAM Zero Migration	8.9%	10.4%	15.1%	23.9%	29.0%	33.9%	39.5%
SSP2 - CEPAM Medium	8.9%	10.4%	14.9%	23.0%	27.8%	32.4%	37.4%
SSP2 - CEPAM Double Migration	8.9%	10.3%	14.6%	22.3%	26.9%	31.4%	36.2%
SSP3 - Stalled Development	8.9%	10.3%	14.3%	20.2%	22.8%	23.1%	23.1%
Proportion below age 20							
SSP1 - Rapid Development	30.6%	27.8%	23.3%	17.5%	15.9%	13.5%	11.5%
SSP2 - CEPAM Zero Migration	30.6%	28.2%	25.2%	20.4%	19.2%	17.2%	15.5%
SSP2 - CEPAM Medium	30.6%	28.1%	25.2%	20.6%	19.4%	17.6%	16.1%
SSP2 - CEPAM Double Migration	30.6%	28.1%	25.2%	20.8%	19.6%	17.9%	16.4%
SSP3 - Stalled Development	30.6%	28.6%	27.8%	25.8%	25.9%	25.6%	26.1%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	22.7%	31.3%	44.4%	69.8%	77.0%	82.1%	83.7%
SSP2 - CEPAM Zero Migration	22.7%	25.6%	30.5%	40.4%	45.6%	52.8%	63.3%
SSP2 - CEPAM Medium	22.7%	25.5%	30.4%	40.2%	45.3%	52.5%	62.9%
SSP2 - CEPAM Double Migration	22.7%	25.5%	30.3%	40.0%	45.1%	52.2%	62.6%
SSP3 - Stalled Development	22.7%	21.0%	20.6%	20.2%	20.5%	20.3%	20.3%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	8.7	9.1	10.0	11.4	12.1	12.9	14.0
SSP2 - CEPAM Zero Migration	8.7	9.0	9.5	10.5	10.9	11.6	12.6
SSP2 - CEPAM Medium	8.7	9.0	9.5	10.5	10.9	11.6	12.6
SSP2 - CEPAM Double Migration	8.7	9.0	9.5	10.5	10.9	11.6	12.6
SSP3 - Stalled Development	8.7	8.8	9.0	9.3	9.3	9.3	9.3

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.69	1.50	1.40	1.45	1.37	1.37	1.38
SSP2 - CEPAM Zero Migration	1.80	1.74	1.71	1.70	1.62	1.60	1.60
SSP2 - CEPAM Medium	1.80	1.74	1.71	1.70	1.62	1.60	1.60
SSP2 - CEPAM Double Migration	1.80	1.74	1.71	1.70	1.62	1.60	1.60
SSP3 - Stalled Development	1.96	2.08	2.22	2.27	2.22	2.25	2.32
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	83.0	84.6	87.7	93.7	96.8	101.4	107.7
SSP2 - CEPAM Zero Migration	82.5	83.5	85.6	89.6	91.7	94.7	98.8
SSP2 - CEPAM Medium	82.5	83.5	85.6	89.6	91.7	94.7	98.8
SSP2 - CEPAM Double Migration	82.5	83.5	85.6	89.6	91.7	94.7	98.8
SSP3 - Stalled Development	82.0	82.5	83.4	85.4	86.2	87.5	89.3
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	29.6	31.3	33.7	36.8	37.1	36.1	32.7
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	29.6	31.5	35.0	40.8	42.6	44.2	44.1
SSP2 - CEPAM Double Migration	59.2	62.4	68.0	76.8	79.1	80.4	78.1
SSP3 - Stalled Development	19.7	10.6	0.1	0.1	0.1	0.1	0.1

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	31.4	33.5	37.7	44.5	46.9	50.1	53.1
Proportion age 65+	8.9%	10.4%	14.9%	23.0%	27.8%	32.4%	36.5%
Proportion RLE < 15 years	3.6%	3.9%	5.0%	8.3%	8.9%	10.9%	11.8%

Côte d'Ivoire

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	23.11	26.03	31.43	36.37	40.58	43.95
Proportion age 65+	2.9%	3.0%	3.4%	4.0%	5.2%	7.1%
Proportion below age 20	53.7%	52.0%	47.0%	40.6%	35.6%	31.4%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	4.44	3.70	2.86	2.33	2.05	1.96
Life expectancy at birth (in years)						
Male	52.9	54.4	57.2	60.0	62.8	64.2
Female	55.9	57.4	60.3	63.3	66.3	69.2
Five-year net-migration flow (in thousands)	186.1	186.7	186.7	184.2	180.7	178.4

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	50.8%	44.4%	33.3%	24.2%	17.2%	12.0%
E2 - incomplete primary	13.4%	14.6%	16.0%	15.9%	14.7%	12.8%
E3 - primary	16.4%	17.4%	19.3%	20.3%	20.4%	19.8%
E4 - lower secondary	8.6%	9.6%	11.8%	14.1%	16.2%	17.7%
E5 - upper secondary	5.3%	6.9%	9.8%	13.2%	16.9%	20.8%
E6 - post-secondary	5.6%	7.1%	9.8%	12.3%	14.6%	16.9%
Mean years of schooling (in years)	4.1	4.8	6.1	7.3	8.3	9.3
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.71	0.69	0.69	0.70	0.71	0.72
E2 - incomplete primary	0.98	0.96	0.90	0.88	0.86	0.83
E3 - primary	1.27	1.21	1.09	0.97	0.89	0.84
E4 - lower secondary	1.74	1.42	1.03	0.86	0.78	0.73
E5 - upper secondary	2.24	1.86	1.50	1.33	1.21	1.13
E6 - post-secondary	2.86	2.54	2.37	2.30	2.25	2.21
Mean years of schooling (male minus female)	1.1	1.1	1.0	0.9	0.8	0.8
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	38.8%	31.3%	20.3%	12.7%	7.5%	4.0%
E2 - incomplete primary	17.4%	17.8%	17.5%	15.2%	12.1%	8.7%
E3 - primary	17.8%	19.2%	21.5%	21.7%	20.4%	18.1%
E4 - lower secondary	11.4%	12.4%	14.6%	17.5%	19.3%	20.2%
E5 - upper secondary	8.3%	10.9%	14.7%	19.3%	24.4%	30.0%
E6 - post-secondary	6.2%	8.4%	11.3%	13.7%	16.3%	19.0%
Mean years of schooling (in years)	4.2	5.1	6.7	8.0	9.2	10.2

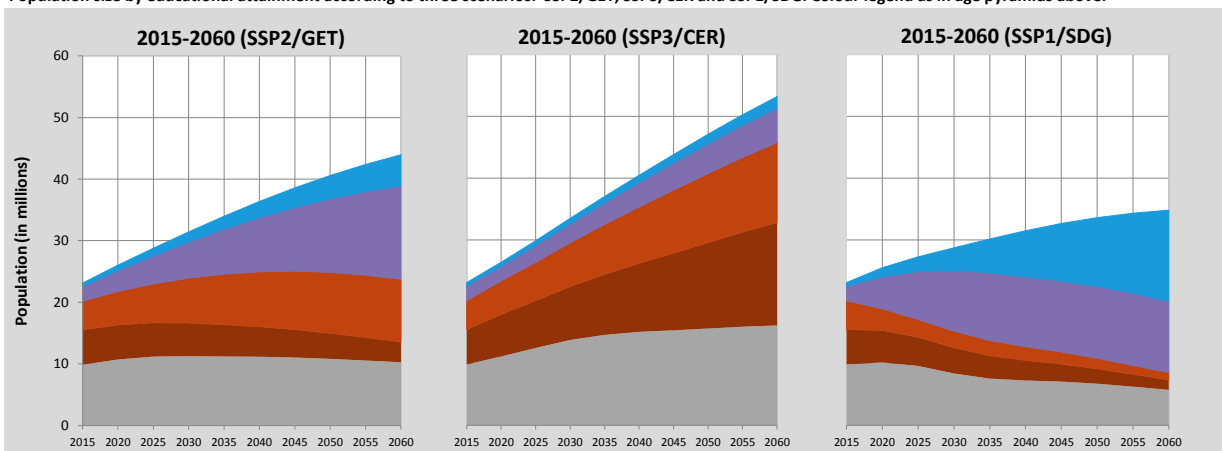
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

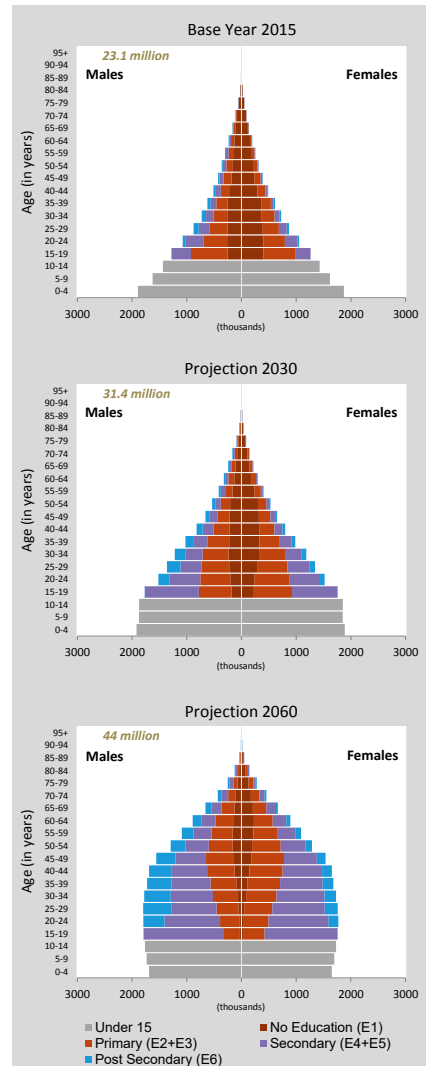
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

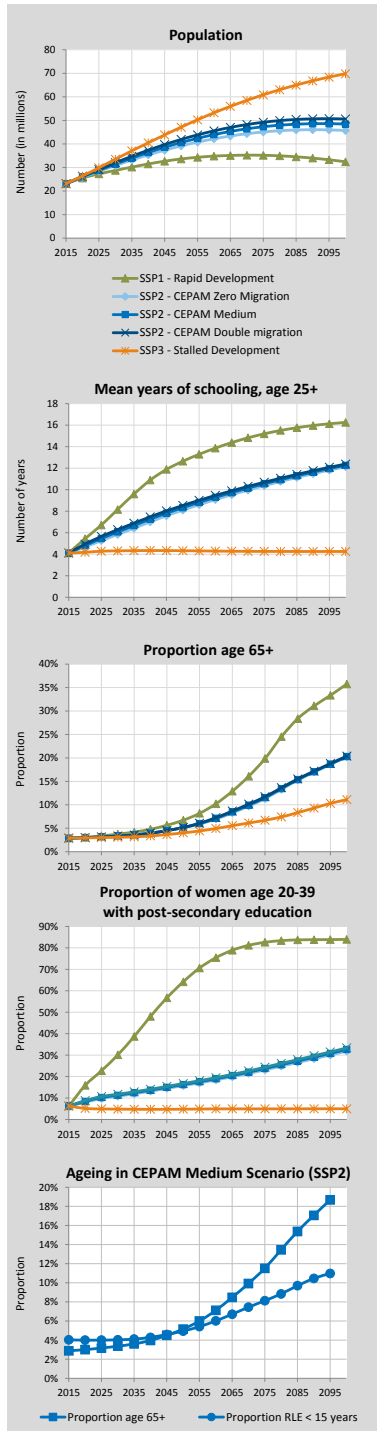
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



Côte d'Ivoire (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	23.11	25.51	28.74	33.62	34.82	35.18	32.42
SSP2 - CEPAM Zero Migration	23.11	25.84	30.82	39.16	42.17	45.08	45.72
SSP2 - CEPAM Medium	23.11	26.03	31.43	40.58	43.95	47.30	48.44
SSP2 - CEPAM Double Migration	23.11	26.23	32.02	41.90	45.55	49.19	50.60
SSP3 - Stalled Development	23.11	26.40	33.50	47.11	53.21	60.85	69.80
Proportion age 65+							
SSP1 - Rapid Development	2.9%	3.1%	3.8%	6.7%	10.2%	19.9%	35.8%
SSP2 - CEPAM Zero Migration	2.9%	3.0%	3.4%	5.1%	7.0%	11.3%	20.2%
SSP2 - CEPAM Medium	2.9%	3.0%	3.4%	5.2%	7.1%	11.5%	20.3%
SSP2 - CEPAM Double Migration	2.9%	3.0%	3.3%	5.2%	7.3%	11.7%	20.4%
SSP3 - Stalled Development	2.9%	2.9%	3.1%	4.0%	4.9%	6.7%	11.1%
Proportion below age 20							
SSP1 - Rapid Development	53.7%	50.9%	41.5%	27.3%	23.0%	17.9%	13.0%
SSP2 - CEPAM Zero Migration	53.7%	52.2%	47.5%	36.1%	31.9%	27.2%	22.0%
SSP2 - CEPAM Medium	53.7%	52.0%	47.0%	35.6%	31.4%	26.8%	21.6%
SSP2 - CEPAM Double Migration	53.7%	51.7%	46.6%	35.2%	31.0%	26.4%	21.4%
SSP3 - Stalled Development	53.7%	52.9%	51.7%	43.5%	39.8%	35.5%	31.5%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	6.2%	15.9%	30.1%	64.2%	75.5%	82.6%	84.0%
SSP2 - CEPAM Zero Migration	6.2%	8.0%	10.8%	15.8%	18.4%	23.1%	31.9%
SSP2 - CEPAM Medium	6.2%	8.4%	11.3%	16.3%	19.0%	23.8%	32.6%
SSP2 - CEPAM Double Migration	6.2%	8.8%	11.7%	16.7%	19.5%	24.4%	33.4%
SSP3 - Stalled Development	6.2%	5.1%	4.8%	4.8%	4.9%	4.9%	5.0%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	4.1	5.4	8.2	12.6	13.9	15.2	16.3
SSP2 - CEPAM Zero Migration	4.1	4.7	5.8	8.1	9.1	10.4	12.1
SSP2 - CEPAM Medium	4.1	4.8	6.1	8.3	9.3	10.5	12.3
SSP2 - CEPAM Double Migration	4.1	4.9	6.3	8.5	9.5	10.7	12.4
SSP3 - Stalled Development	4.1	4.2	4.3	4.3	4.3	4.3	4.3

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	3.87	2.74	1.87	1.42	1.35	1.27	1.18
SSP2 - CEPAM Zero Migration	4.45	3.72	2.86	2.05	1.89	1.76	1.62
SSP2 - CEPAM Medium	4.44	3.70	2.86	2.05	1.89	1.76	1.62
SSP2 - CEPAM Double Migration	4.42	3.69	2.85	2.05	1.89	1.76	1.62
SSP3 - Stalled Development	4.95	4.62	3.95	2.77	2.51	2.34	2.22
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	56.5	59.0	63.6	71.7	75.6	81.5	89.5
SSP2 - CEPAM Zero Migration	55.9	57.3	60.3	66.2	69.2	73.6	79.5
SSP2 - CEPAM Medium	55.9	57.4	60.3	66.3	69.2	73.7	79.6
SSP2 - CEPAM Double Migration	55.9	57.4	60.4	66.3	69.3	73.7	79.6
SSP3 - Stalled Development	55.3	56.0	57.5	60.5	62.1	64.7	68.4
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	186.3	188.4	193.2	193.4	189.3	180.0	162.6
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	186.1	186.7	186.7	180.7	175.5	166.1	154.0
SSP2 - CEPAM Double Migration	372.1	368.9	359.5	330.1	312.7	286.9	257.6
SSP3 - Stalled Development	124.0	62.5	0.2	0.2	0.2	0.2	0.2

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	18.3	19.1	21.5	28.2	31.5	36.1	41.3
Proportion age 65+	2.9%	3.0%	3.4%	5.2%	7.1%	11.5%	18.7%
Proportion RLE < 15 years	3.5%	3.5%	3.6%	4.7%	5.7%	7.8%	10.7%

Cuba

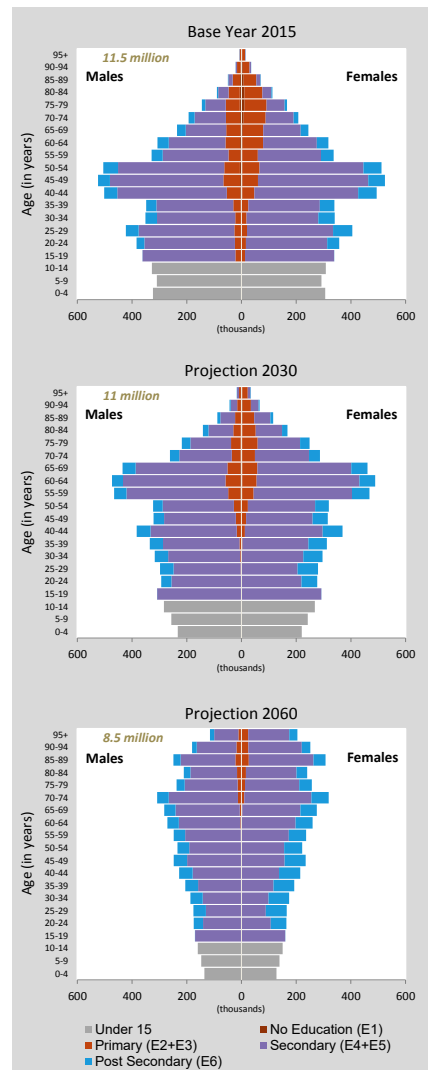
Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	11.46	11.41	11.02	10.35	9.49	8.46
Proportion age 65+	13.9%	16.2%	23.5%	33.0%	36.3%	40.6%
Proportion below age 20	22.4%	21.1%	19.1%	16.3%	14.8%	14.1%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	1.60	1.52	1.44	1.42	1.41	1.42
Life expectancy at birth (in years)						
Male	78.1	79.0	81.0	82.9	84.8	85.8
Female	82.0	83.1	85.2	87.3	89.4	91.5
Five-year net-migration flow (in thousands)	-164.4	-162.8	-155.5	-143.9	-129.8	-121.8

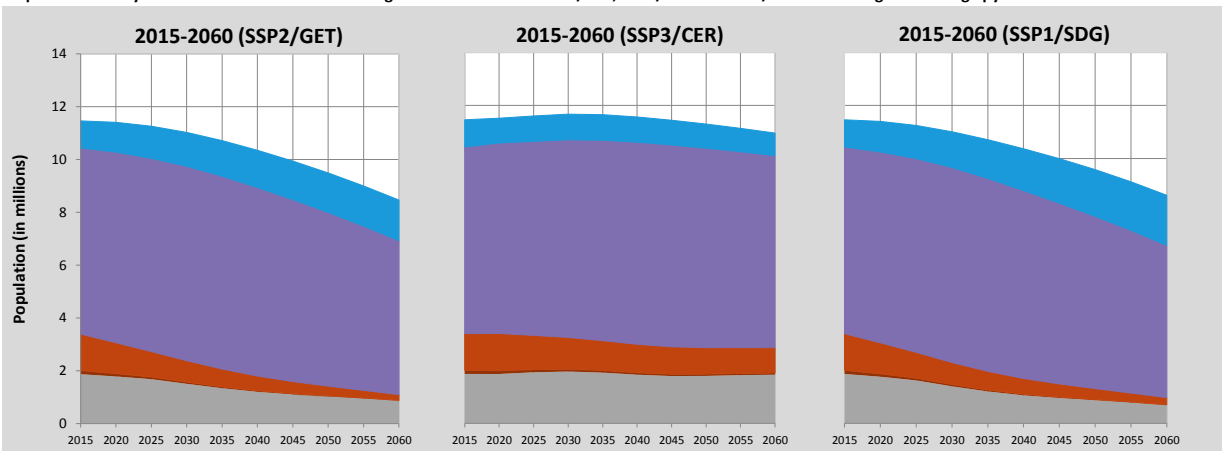
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	1.6%	1.3%	0.8%	0.5%	0.3%	0.2%
E2 - incomplete primary	4.6%	3.7%	2.2%	1.3%	0.8%	0.4%
E3 - primary	11.5%	10.0%	7.5%	5.5%	4.0%	2.7%
E4 - lower secondary	29.0%	28.2%	26.2%	23.5%	20.2%	16.7%
E5 - upper secondary	41.5%	44.3%	49.1%	53.2%	56.4%	59.0%
E6 - post-secondary	11.7%	12.6%	14.2%	16.1%	18.2%	20.8%
Mean years of schooling (in years)	10.8	11.0	11.4	11.7	12.0	12.3
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.90	0.94	1.07	1.24	1.33	1.35
E2 - incomplete primary	0.74	0.75	0.80	0.92	1.09	1.24
E3 - primary	0.82	0.82	0.81	0.83	0.84	0.86
E4 - lower secondary	1.27	1.28	1.32	1.36	1.40	1.46
E5 - upper secondary	0.98	0.97	0.97	0.98	1.01	1.04
E6 - post-secondary	0.83	0.81	0.76	0.72	0.69	0.66
Mean years of schooling (male minus female)	0.0	0.0	-0.1	-0.2	-0.2	-0.2
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	0.4%	0.3%	0.1%	0.0%	0.0%	0.0%
E2 - incomplete primary	0.8%	0.5%	0.0%	0.0%	0.0%	0.0%
E3 - primary	5.0%	3.3%	0.9%	0.3%	0.1%	0.0%
E4 - lower secondary	25.8%	21.3%	14.1%	9.1%	5.7%	3.2%
E5 - upper secondary	55.0%	59.5%	66.0%	67.7%	66.9%	64.9%
E6 - post-secondary	13.0%	15.1%	18.9%	22.8%	27.3%	31.8%
Mean years of schooling (in years)	11.8	12.2	12.7	13.1	13.4	13.7

Education scenarios
 SSP2/GET: Global Education Trend Scenario (Medium assumption)
 SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)
 SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

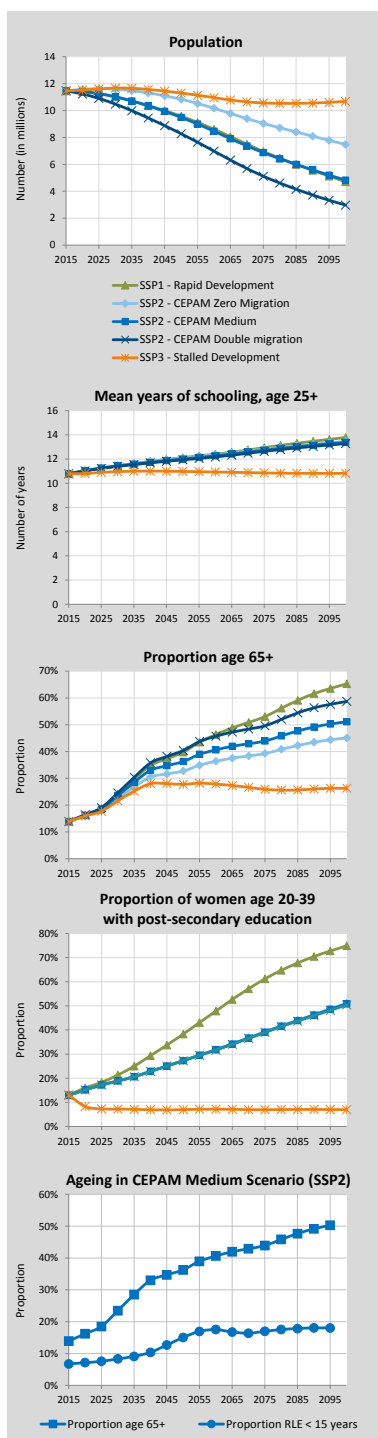
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Cuba (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	11.46	11.40	11.01	9.58	8.61	6.96	4.71
SSP2 - CEPAM Zero Migration	11.46	11.58	11.59	10.84	10.17	9.05	7.48
SSP2 - CEPAM Medium	11.46	11.41	11.02	9.49	8.46	6.88	4.83
SSP2 - CEPAM Double Migration	11.46	11.23	10.48	8.28	6.99	5.12	2.98
SSP3 - Stalled Development	11.46	11.52	11.67	11.30	10.96	10.57	10.68
Proportion age 65+							
SSP1 - Rapid Development	13.9%	16.3%	24.2%	39.8%	46.3%	53.0%	65.2%
SSP2 - CEPAM Zero Migration	13.9%	16.0%	22.4%	32.7%	36.3%	39.2%	45.1%
SSP2 - CEPAM Medium	13.9%	16.2%	23.5%	36.3%	40.6%	43.9%	51.1%
SSP2 - CEPAM Double Migration	13.9%	16.4%	24.6%	40.4%	45.7%	49.6%	58.7%
SSP3 - Stalled Development	13.9%	15.9%	21.6%	27.7%	27.8%	25.9%	26.3%
Proportion below age 20							
SSP1 - Rapid Development	22.4%	21.0%	18.2%	12.6%	11.2%	9.2%	7.1%
SSP2 - CEPAM Zero Migration	22.4%	21.2%	19.4%	15.6%	15.0%	14.0%	13.2%
SSP2 - CEPAM Medium	22.4%	21.1%	19.1%	14.8%	14.1%	12.7%	11.7%
SSP2 - CEPAM Double Migration	22.4%	21.1%	18.7%	13.8%	12.9%	11.2%	9.7%
SSP3 - Stalled Development	22.4%	21.7%	22.0%	21.2%	22.2%	22.8%	24.0%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	13.0%	16.0%	21.3%	38.3%	47.8%	61.2%	74.9%
SSP2 - CEPAM Zero Migration	13.0%	15.1%	18.9%	27.3%	31.9%	39.2%	51.1%
SSP2 - CEPAM Medium	13.0%	15.1%	18.9%	27.3%	31.8%	39.1%	50.8%
SSP2 - CEPAM Double Migration	13.0%	15.1%	18.8%	27.2%	31.6%	39.0%	50.4%
SSP3 - Stalled Development	13.0%	8.3%	7.2%	7.0%	7.2%	6.9%	7.0%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	10.8	11.0	11.5	12.1	12.4	12.9	13.8
SSP2 - CEPAM Zero Migration	10.8	11.0	11.5	12.1	12.4	12.8	13.5
SSP2 - CEPAM Medium	10.8	11.0	11.4	12.0	12.3	12.7	13.4
SSP2 - CEPAM Double Migration	10.8	11.0	11.4	11.9	12.2	12.6	13.3
SSP3 - Stalled Development	10.8	10.8	11.0	11.0	10.9	10.9	10.8

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.55	1.41	1.28	1.23	1.24	1.27	1.32
SSP2 - CEPAM Zero Migration	1.60	1.52	1.44	1.41	1.43	1.47	1.52
SSP2 - CEPAM Medium	1.60	1.52	1.44	1.41	1.43	1.47	1.52
SSP2 - CEPAM Double Migration	1.60	1.52	1.45	1.41	1.43	1.47	1.52
SSP3 - Stalled Development	1.81	1.95	1.99	1.99	2.03	2.12	2.25
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	82.5	84.1	87.2	93.4	96.5	101.2	107.4
SSP2 - CEPAM Zero Migration	82.0	83.1	85.2	89.4	91.5	94.7	98.9
SSP2 - CEPAM Medium	82.0	83.1	85.2	89.4	91.5	94.7	98.9
SSP2 - CEPAM Double Migration	82.0	83.1	85.2	89.4	91.5	94.7	98.9
SSP3 - Stalled Development	81.5	82.0	83.1	85.2	86.1	87.6	89.7
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-164.6	-163.2	-156.3	-133.0	-117.5	-93.4	-67.4
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-164.4	-162.8	-155.5	-129.8	-113.6	-91.1	-67.3
SSP2 - CEPAM Double Migration	-328.8	-320.3	-294.5	-223.2	-183.1	-130.4	-80.5
SSP3 - Stalled Development	-109.5	-54.8	-0.1	-0.1	-0.1	-0.1	-0.1

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	41.1	43.3	46.9	54.8	57.3	60.4	65.2
Proportion age 65+	13.9%	16.2%	23.5%	36.3%	40.6%	43.9%	50.3%
Proportion RLE < 15 years	6.5%	6.9%	7.9%	14.5%	18.2%	17.2%	18.3%

Curaçao

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	0.16	0.16	0.16	0.15	0.15	0.15
Proportion age 65+	15.5%	18.2%	24.5%	27.5%	26.2%	24.0%
Proportion below age 20	25.5%	24.6%	23.4%	22.7%	22.9%	23.0%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	1.99	1.93	1.84	1.82	1.81	1.81
Life expectancy at birth (in years)						
Male	75.5	76.5	78.5	80.5	82.3	83.0
Female	81.4	82.1	83.4	84.7	85.9	87.1
Five-year net-migration flow (in thousands)	-2.5	-2.0	-1.1	-0.2	0.4	0.6

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	0.3%	0.9%	1.5%	2.0%	2.3%	2.4%
E2 - incomplete primary	4.2%	3.6%	2.7%	2.1%	1.7%	1.5%
E3 - primary	12.2%	11.1%	8.9%	7.2%	5.9%	4.8%
E4 - lower secondary	40.2%	38.2%	33.7%	28.3%	22.5%	17.0%
E5 - upper secondary	25.0%	26.6%	30.6%	34.5%	37.8%	40.2%
E6 - post-secondary	18.2%	19.6%	22.6%	25.9%	29.8%	34.2%
Mean years of schooling (in years)	10.0	10.3	10.9	11.5	12.2	12.8
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.79	0.72	0.70	0.70	0.69	0.67
E2 - incomplete primary	1.10	1.11	1.09	1.05	1.00	0.95
E3 - primary	1.11	1.11	1.11	1.11	1.08	1.05
E4 - lower secondary	0.99	1.01	1.05	1.10	1.18	1.28
E5 - upper secondary	0.93	0.94	0.96	0.98	1.02	1.07
E6 - post-secondary	1.03	1.01	0.96	0.91	0.87	0.83
Mean years of schooling (male minus female)	0.0	0.0	0.0	0.0	-0.1	-0.1
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	0.0%	1.3%	1.4%	1.3%	1.0%	0.7%
E2 - incomplete primary	0.5%	1.0%	0.9%	0.7%	0.6%	0.4%
E3 - primary	8.7%	6.7%	3.4%	2.3%	1.7%	1.4%
E4 - lower secondary	32.7%	26.0%	18.1%	13.1%	9.2%	6.2%
E5 - upper secondary	38.2%	41.5%	46.9%	48.9%	48.9%	48.0%
E6 - post-secondary	19.9%	23.4%	29.4%	33.8%	38.6%	43.3%
Mean years of schooling (in years)	12.0	12.6	13.3	13.8	14.3	14.6

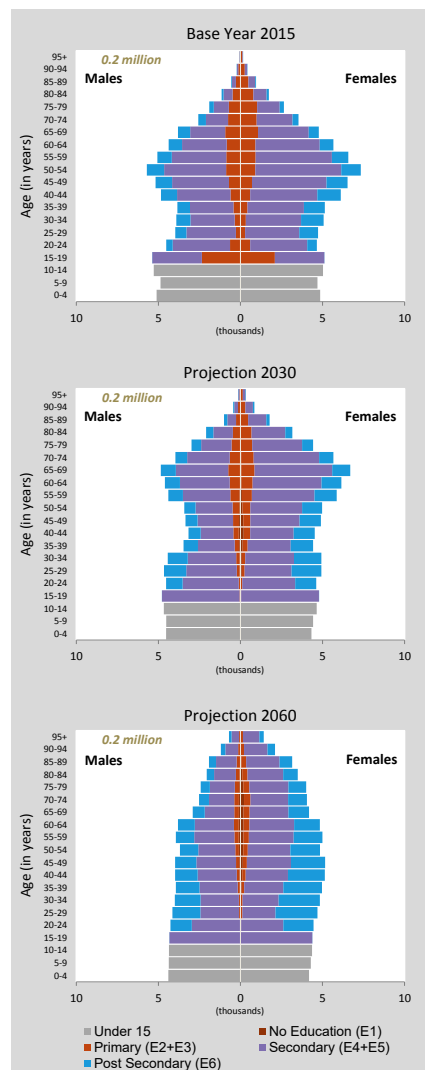
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

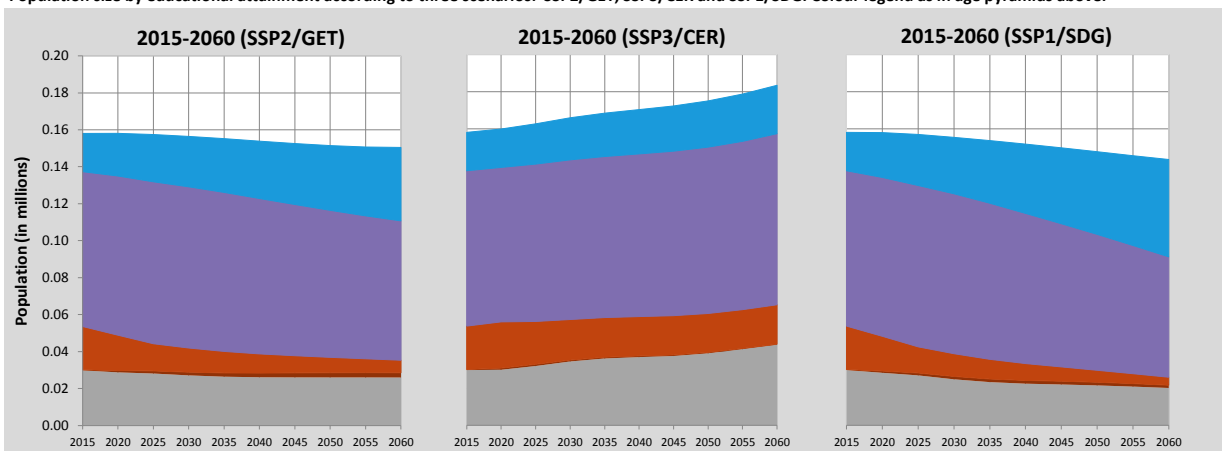
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

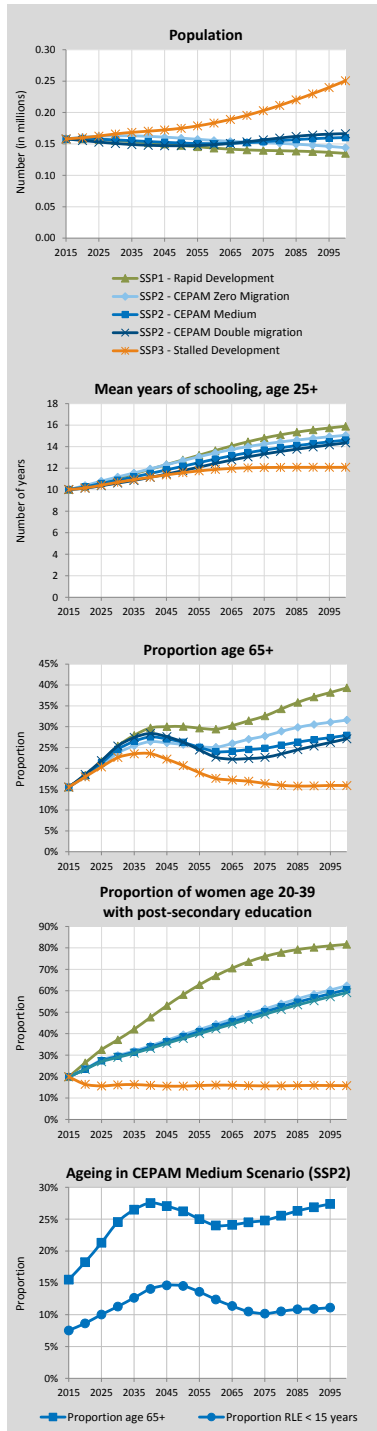
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Curaçao (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	0.16	0.16	0.16	0.15	0.14	0.14	0.13
SSP2 - CEPAM Zero Migration	0.16	0.16	0.16	0.16	0.16	0.15	0.14
SSP2 - CEPAM Medium	0.16	0.16	0.16	0.15	0.15	0.15	0.16
SSP2 - CEPAM Double Migration	0.16	0.16	0.15	0.15	0.15	0.16	0.17
SSP3 - Stalled Development	0.16	0.16	0.17	0.18	0.18	0.20	0.25
Proportion age 65+							
SSP1 - Rapid Development	15.5%	18.4%	25.4%	30.0%	29.4%	32.5%	39.3%
SSP2 - CEPAM Zero Migration	15.5%	18.0%	23.7%	25.7%	25.1%	27.7%	31.6%
SSP2 - CEPAM Medium	15.5%	18.2%	24.5%	26.2%	24.0%	24.8%	27.9%
SSP2 - CEPAM Double Migration	15.5%	18.5%	25.4%	26.3%	22.7%	22.6%	27.1%
SSP3 - Stalled Development	15.5%	18.0%	22.6%	20.7%	17.6%	16.4%	15.9%
Proportion below age 20							
SSP1 - Rapid Development	25.5%	24.4%	22.2%	19.7%	19.1%	18.0%	16.4%
SSP2 - CEPAM Zero Migration	25.5%	24.6%	23.2%	21.7%	21.2%	20.3%	19.1%
SSP2 - CEPAM Medium	25.5%	24.6%	23.4%	22.9%	23.0%	22.7%	21.7%
SSP2 - CEPAM Double Migration	25.5%	24.7%	23.6%	24.0%	24.4%	24.0%	22.6%
SSP3 - Stalled Development	25.5%	25.2%	26.7%	29.2%	30.7%	31.4%	32.1%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	19.9%	26.4%	37.2%	58.2%	67.0%	76.0%	81.7%
SSP2 - CEPAM Zero Migration	19.9%	23.5%	29.9%	39.5%	44.4%	51.5%	62.3%
SSP2 - CEPAM Medium	19.9%	23.4%	29.4%	38.6%	43.3%	50.2%	60.5%
SSP2 - CEPAM Double Migration	19.9%	23.3%	29.0%	37.8%	42.3%	49.1%	59.1%
SSP3 - Stalled Development	19.9%	16.4%	16.1%	15.6%	16.0%	15.7%	15.7%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	10.0	10.3	11.1	12.8	13.6	14.8	15.9
SSP2 - CEPAM Zero Migration	10.0	10.4	11.2	12.7	13.4	14.2	15.1
SSP2 - CEPAM Medium	10.0	10.3	10.9	12.2	12.8	13.7	14.6
SSP2 - CEPAM Double Migration	10.0	10.1	10.6	11.8	12.4	13.3	14.3
SSP3 - Stalled Development	10.0	10.2	10.7	11.6	11.9	12.1	12.1

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.91	1.76	1.60	1.55	1.55	1.55	1.55
SSP2 - CEPAM Zero Migration	1.99	1.92	1.84	1.80	1.80	1.79	1.79
SSP2 - CEPAM Medium	1.99	1.93	1.84	1.81	1.80	1.80	1.79
SSP2 - CEPAM Double Migration	2.00	1.93	1.85	1.82	1.81	1.80	1.80
SSP3 - Stalled Development	2.23	2.43	2.56	2.63	2.64	2.67	2.72
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	81.9	83.1	85.5	89.9	92.1	95.3	99.6
SSP2 - CEPAM Zero Migration	81.4	82.1	83.5	86.0	87.3	89.0	91.1
SSP2 - CEPAM Medium	81.4	82.1	83.4	85.9	87.1	88.7	90.9
SSP2 - CEPAM Double Migration	81.4	82.1	83.4	85.7	86.9	88.6	90.8
SSP3 - Stalled Development	80.9	81.0	81.3	81.7	81.8	81.9	81.8
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-2.5	-2.1	-1.3	0.0	0.3	0.2	-0.3
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-2.5	-2.0	-1.1	0.4	0.8	0.7	0.3
SSP2 - CEPAM Double Migration	-5.0	-3.8	-1.6	1.1	1.4	0.7	-0.7
SSP3 - Stalled Development	-1.7	-0.7	0.0	0.0	0.0	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	41.3	42.6	43.6	43.1	42.9	43.4	45.1
Proportion age 65+	15.5%	18.2%	24.5%	26.2%	24.0%	24.8%	27.4%
Proportion RLE < 15 years	7.2%	8.2%	11.1%	15.3%	13.4%	10.9%	11.4%

Democratic Republic of the Congo

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	76.20	88.52	113.52	139.79	164.05	184.42
Proportion age 65+	3.0%	3.1%	3.3%	3.9%	4.8%	6.1%
Proportion below age 20	56.6%	55.9%	51.4%	45.4%	40.5%	35.2%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	5.60	4.75	3.70	2.93	2.44	2.27
Life expectancy at birth (in years)						
Male	58.7	59.4	60.9	62.3	63.8	64.5
Female	61.7	62.6	64.2	65.9	67.5	69.2
Five-year net-migration flow (in thousands)	27.5	3.6	-48.7	-109.3	-167.4	-193.7

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	19.6%	16.2%	10.3%	6.2%	3.8%	2.2%
E2 - incomplete primary	24.2%	22.0%	17.2%	12.5%	8.8%	5.9%
E3 - primary	14.3%	15.1%	15.8%	15.1%	13.4%	11.2%
E4 - lower secondary	22.5%	24.5%	28.1%	29.9%	30.6%	29.8%
E5 - upper secondary	14.0%	16.1%	20.7%	26.6%	32.0%	37.3%
E6 - post-secondary	5.4%	6.3%	7.9%	9.7%	11.6%	13.7%
Mean years of schooling (in years)	6.2	6.8	7.8	8.7	9.5	10.2
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.27	0.28	0.30	0.35	0.41	0.46
E2 - incomplete primary	0.61	0.59	0.57	0.57	0.58	0.59
E3 - primary	1.10	1.02	0.89	0.78	0.71	0.67
E4 - lower secondary	1.71	1.47	1.15	0.99	0.89	0.81
E5 - upper secondary	3.01	2.38	1.71	1.40	1.25	1.16
E6 - post-secondary	3.77	3.21	2.69	2.37	2.20	2.11
Mean years of schooling (male minus female)	1.7	1.5	1.2	0.9	0.7	0.6
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	11.8%	9.0%	4.0%	1.9%	0.8%	0.3%
E2 - incomplete primary	21.9%	18.2%	10.8%	6.3%	3.3%	1.5%
E3 - primary	15.8%	16.1%	15.8%	13.3%	9.9%	6.6%
E4 - lower secondary	26.3%	28.0%	31.5%	31.8%	30.5%	27.0%
E5 - upper secondary	18.4%	21.8%	29.0%	35.8%	42.2%	48.5%
E6 - post-secondary	5.8%	7.0%	8.9%	10.8%	13.2%	16.1%
Mean years of schooling (in years)	5.9	6.8	8.3	9.3	10.0	10.7

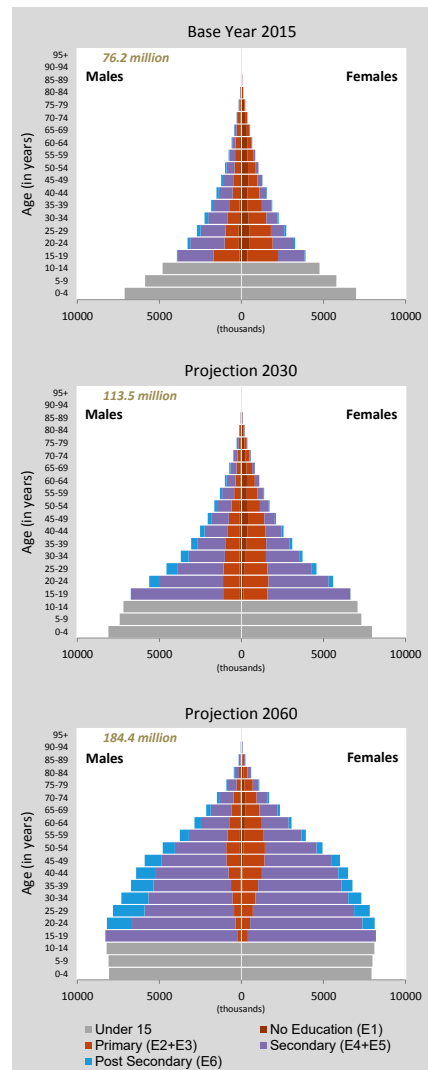
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

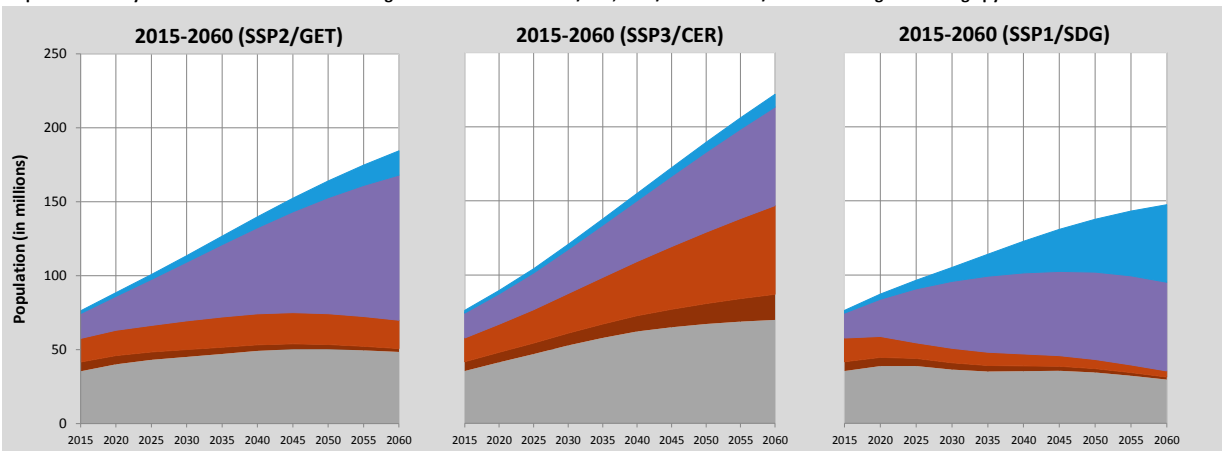
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

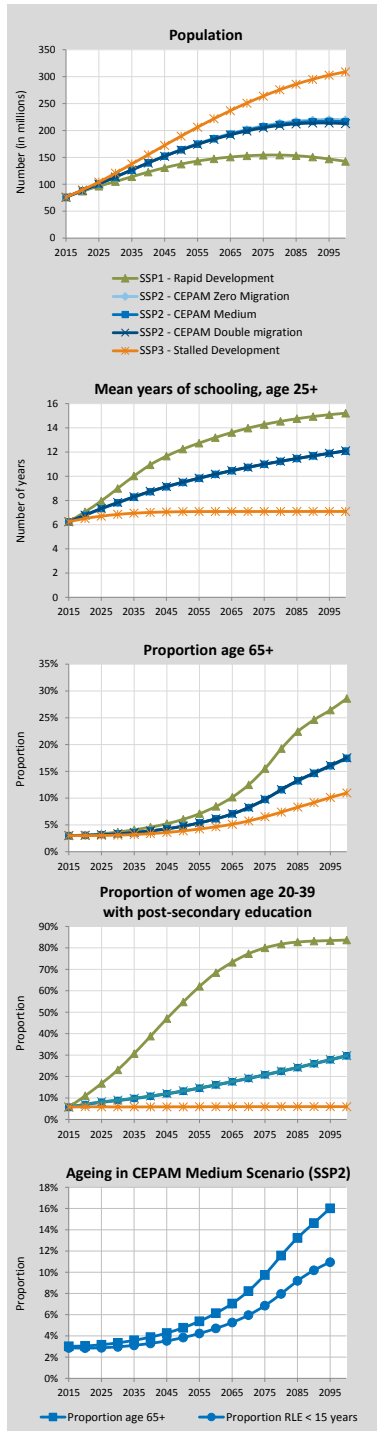
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Democratic Republic of the Congo (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	76.20	87.17	105.12	137.61	147.43	154.20	142.65
SSP2 - CEPAM Zero Migration	76.20	88.49	113.50	164.45	185.26	208.50	220.03
SSP2 - CEPAM Medium	76.20	88.52	113.52	164.05	184.42	206.74	216.41
SSP2 - CEPAM Double Migration	76.20	88.55	113.54	163.61	183.52	204.90	212.70
SSP3 - Stalled Development	76.20	89.63	120.67	189.49	221.87	263.85	308.88
Proportion age 65+							
SSP1 - Rapid Development	3.0%	3.1%	3.7%	6.0%	8.4%	15.5%	28.6%
SSP2 - CEPAM Zero Migration	3.0%	3.1%	3.3%	4.8%	6.1%	9.7%	17.3%
SSP2 - CEPAM Medium	3.0%	3.1%	3.3%	4.8%	6.1%	9.7%	17.4%
SSP2 - CEPAM Double Migration	3.0%	3.1%	3.3%	4.8%	6.2%	9.8%	17.5%
SSP3 - Stalled Development	3.0%	3.0%	3.1%	3.9%	4.6%	6.5%	11.0%
Proportion below age 20							
SSP1 - Rapid Development	56.6%	55.2%	47.2%	33.4%	27.8%	21.3%	15.7%
SSP2 - CEPAM Zero Migration	56.6%	55.9%	51.4%	40.4%	35.1%	29.3%	23.6%
SSP2 - CEPAM Medium	56.6%	55.9%	51.4%	40.5%	35.2%	29.3%	23.6%
SSP2 - CEPAM Double Migration	56.6%	55.9%	51.4%	40.5%	35.2%	29.3%	23.6%
SSP3 - Stalled Development	56.6%	56.5%	54.6%	45.9%	41.2%	35.8%	31.3%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	5.8%	11.0%	23.1%	54.8%	68.4%	80.0%	83.7%
SSP2 - CEPAM Zero Migration	5.8%	6.8%	8.7%	13.1%	16.0%	20.7%	29.6%
SSP2 - CEPAM Medium	5.8%	7.0%	8.9%	13.2%	16.1%	20.8%	29.7%
SSP2 - CEPAM Double Migration	5.8%	7.1%	9.0%	13.3%	16.2%	20.9%	29.8%
SSP3 - Stalled Development	5.8%	5.9%	5.8%	5.9%	5.9%	6.0%	6.0%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	6.2	7.1	9.0	12.2	13.2	14.3	15.2
SSP2 - CEPAM Zero Migration	6.2	6.8	7.8	9.5	10.1	11.0	12.1
SSP2 - CEPAM Medium	6.2	6.8	7.8	9.5	10.2	11.0	12.1
SSP2 - CEPAM Double Migration	6.2	6.8	7.8	9.5	10.2	11.0	12.1
SSP3 - Stalled Development	6.2	6.5	6.8	7.1	7.1	7.1	7.1

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	5.08	3.81	2.65	1.76	1.55	1.38	1.28
SSP2 - CEPAM Zero Migration	5.60	4.75	3.70	2.44	2.14	1.92	1.76
SSP2 - CEPAM Medium	5.60	4.75	3.70	2.44	2.15	1.92	1.76
SSP2 - CEPAM Double Migration	5.60	4.75	3.70	2.44	2.15	1.92	1.76
SSP3 - Stalled Development	6.06	5.58	4.71	3.14	2.78	2.57	2.45
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	62.3	64.0	67.4	72.9	75.5	79.4	84.5
SSP2 - CEPAM Zero Migration	61.7	62.6	64.2	67.5	69.2	71.7	75.0
SSP2 - CEPAM Medium	61.7	62.6	64.2	67.5	69.2	71.7	75.0
SSP2 - CEPAM Double Migration	61.7	62.6	64.2	67.5	69.2	71.7	75.0
SSP3 - Stalled Development	61.2	61.2	61.2	61.3	61.4	61.6	62.3
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	27.6	6.4	-30.8	-108.9	-136.2	-159.8	-153.8
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	27.5	3.6	-48.7	-167.4	-218.1	-275.7	-303.3
SSP2 - CEPAM Double Migration	54.9	5.5	-102.4	-343.2	-444.1	-555.9	-603.4
SSP3 - Stalled Development	18.3	0.8	-0.1	-0.2	-0.3	-0.4	-0.4

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	16.8	17.2	19.4	25.2	28.5	33.6	39.1
Proportion age 65+	3.0%	3.1%	3.3%	4.8%	6.1%	9.7%	16.0%
Proportion RLE < 15 years	3.0%	2.9%	3.0%	3.8%	4.6%	6.6%	10.7%

Djibouti

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	0.93	1.02	1.20	1.37	1.50	1.61
Proportion age 65+	4.1%	4.4%	5.7%	7.4%	9.9%	13.5%
Proportion below age 20	42.5%	39.4%	35.5%	32.1%	28.6%	26.3%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	2.82	2.60	2.29	2.08	1.93	1.88
Life expectancy at birth (in years)						
Male	61.0	62.0	64.0	65.9	67.9	68.9
Female	64.4	65.4	67.5	69.6	71.7	73.7
Five-year net-migration flow (in thousands)	20.1	20.9	22.2	23.3	24.2	24.4

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	56.4%	50.0%	40.2%	32.2%	24.8%	18.4%
E2 - incomplete primary	17.5%	17.2%	16.2%	14.5%	12.6%	10.5%
E3 - primary	6.6%	7.9%	9.9%	11.2%	11.8%	12.0%
E4 - lower secondary	7.2%	8.5%	10.8%	12.7%	14.2%	15.1%
E5 - upper secondary	8.4%	10.9%	15.3%	19.4%	23.9%	28.3%
E6 - post-secondary	4.1%	5.5%	7.7%	10.0%	12.7%	15.7%
Mean years of schooling (in years)	3.6	4.3	5.4	6.5	7.5	8.5
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.71	0.71	0.70	0.71	0.72	0.73
E2 - incomplete primary	1.52	1.41	1.30	1.24	1.19	1.15
E3 - primary	1.62	1.48	1.33	1.22	1.15	1.09
E4 - lower secondary	1.47	1.33	1.17	1.10	1.04	1.00
E5 - upper secondary	1.60	1.41	1.24	1.16	1.11	1.08
E6 - post-secondary	1.83	1.50	1.29	1.18	1.11	1.07
Mean years of schooling (male minus female)	0.8	0.8	0.6	0.5	0.4	0.3
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	43.1%	35.7%	26.3%	18.6%	11.9%	7.1%
E2 - incomplete primary	20.3%	18.3%	14.7%	11.1%	8.3%	5.9%
E3 - primary	9.4%	10.9%	12.9%	13.3%	12.8%	11.6%
E4 - lower secondary	9.9%	11.6%	14.1%	16.1%	16.7%	16.2%
E5 - upper secondary	12.4%	16.5%	22.5%	28.5%	34.4%	39.3%
E6 - post-secondary	5.0%	7.0%	9.5%	12.5%	16.0%	19.8%
Mean years of schooling (in years)	4.2	5.2	6.6	7.9	9.2	10.3

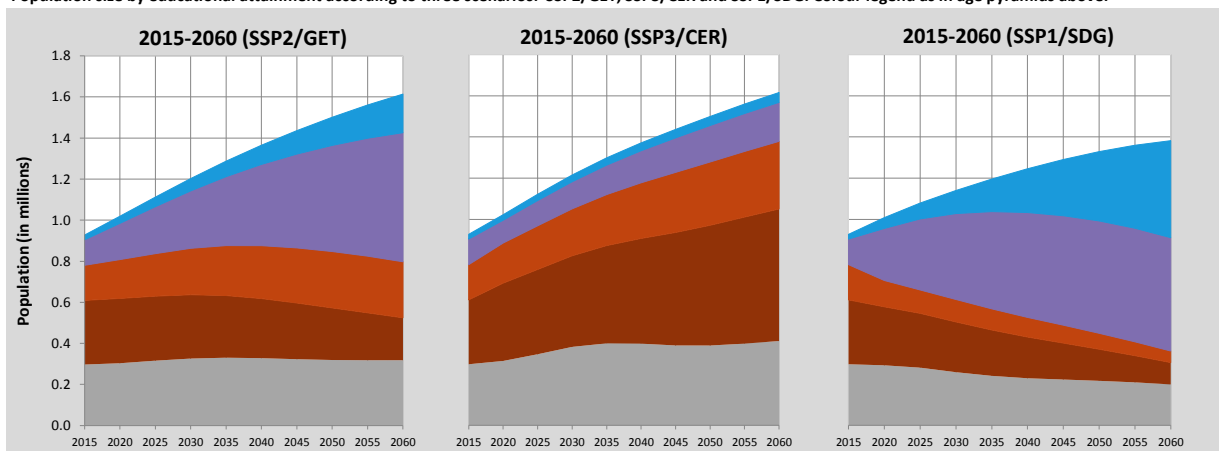
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

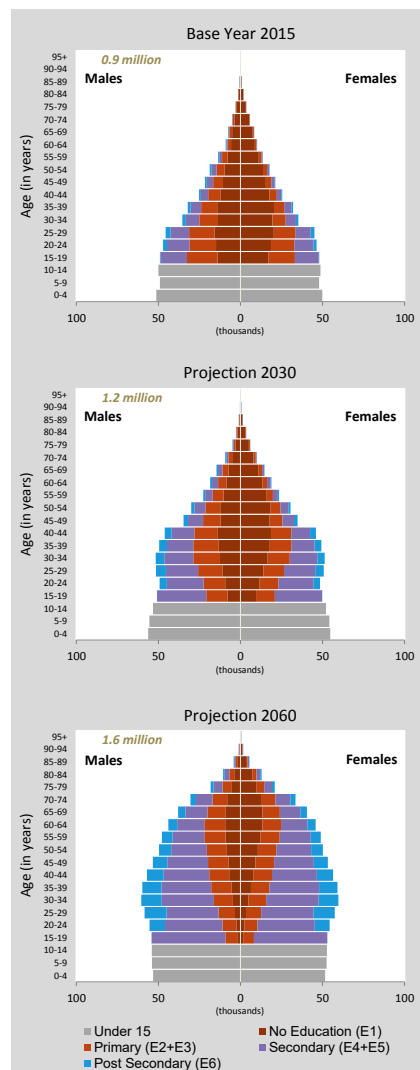
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

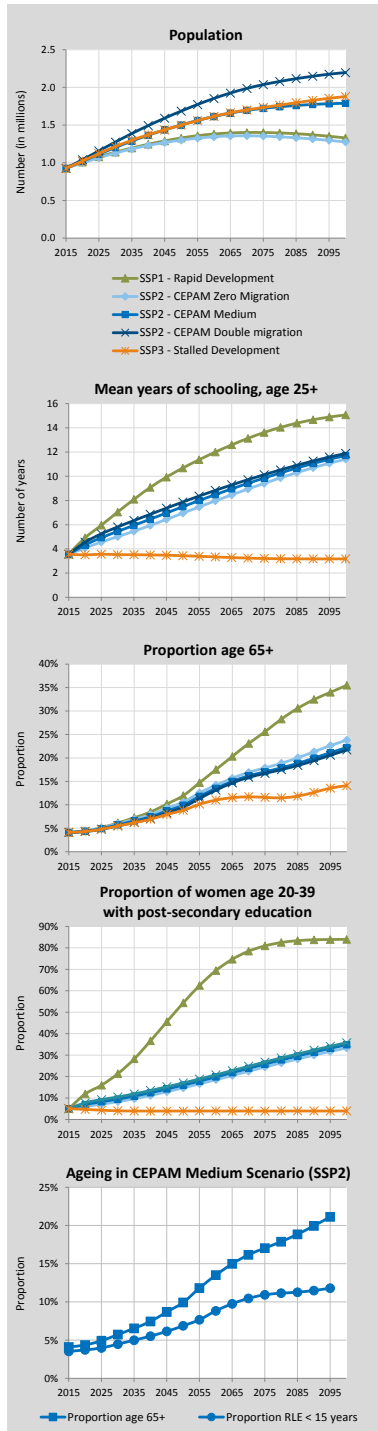
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



Djibouti (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	0.93	1.01	1.14	1.33	1.38	1.40	1.33
SSP2 - CEPAM Zero Migration	0.93	1.00	1.13	1.30	1.34	1.35	1.28
SSP2 - CEPAM Medium	0.93	1.02	1.20	1.50	1.61	1.72	1.79
SSP2 - CEPAM Double Migration	0.93	1.04	1.27	1.69	1.85	2.04	2.20
SSP3 - Stalled Development	0.93	1.02	1.22	1.50	1.62	1.73	1.88
Proportion age 65+							
SSP1 - Rapid Development	4.1%	4.4%	6.2%	12.0%	17.5%	25.6%	35.5%
SSP2 - CEPAM Zero Migration	4.1%	4.4%	6.0%	10.6%	14.2%	17.9%	23.8%
SSP2 - CEPAM Medium	4.1%	4.4%	5.7%	9.9%	13.5%	17.0%	22.2%
SSP2 - CEPAM Double Migration	4.1%	4.3%	5.5%	9.5%	13.1%	16.7%	21.7%
SSP3 - Stalled Development	4.1%	4.3%	5.5%	8.8%	11.0%	11.6%	14.1%
Proportion below age 20							
SSP1 - Rapid Development	42.5%	38.7%	31.5%	22.1%	19.8%	16.5%	13.3%
SSP2 - CEPAM Zero Migration	42.5%	39.8%	35.9%	28.7%	26.4%	23.8%	20.4%
SSP2 - CEPAM Medium	42.5%	39.4%	35.5%	28.6%	26.3%	24.0%	20.7%
SSP2 - CEPAM Double Migration	42.5%	39.0%	35.1%	28.5%	26.3%	24.0%	20.9%
SSP3 - Stalled Development	42.5%	40.2%	39.4%	34.5%	33.1%	31.6%	29.7%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	5.0%	11.9%	21.3%	54.3%	69.5%	81.0%	84.0%
SSP2 - CEPAM Zero Migration	5.0%	6.1%	8.3%	14.7%	18.5%	24.4%	33.4%
SSP2 - CEPAM Medium	5.0%	7.0%	9.5%	16.0%	19.8%	25.8%	34.8%
SSP2 - CEPAM Double Migration	5.0%	7.8%	10.5%	17.0%	20.8%	26.8%	35.8%
SSP3 - Stalled Development	5.0%	4.7%	4.0%	3.9%	3.9%	3.9%	3.9%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	3.6	4.9	7.0	10.7	12.0	13.6	15.1
SSP2 - CEPAM Zero Migration	3.6	4.1	5.0	6.9	8.0	9.4	11.4
SSP2 - CEPAM Medium	3.6	4.3	5.4	7.5	8.5	9.9	11.7
SSP2 - CEPAM Double Migration	3.6	4.5	5.8	7.9	8.8	10.1	11.9
SSP3 - Stalled Development	3.6	3.5	3.5	3.4	3.3	3.2	3.2

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	2.52	2.02	1.54	1.34	1.28	1.21	1.13
SSP2 - CEPAM Zero Migration	2.84	2.62	2.30	1.93	1.82	1.70	1.58
SSP2 - CEPAM Medium	2.82	2.60	2.29	1.93	1.82	1.70	1.58
SSP2 - CEPAM Double Migration	2.80	2.57	2.27	1.93	1.82	1.70	1.58
SSP3 - Stalled Development	3.13	3.21	3.09	2.61	2.46	2.35	2.29
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	65.0	66.8	70.4	76.8	79.8	84.4	90.6
SSP2 - CEPAM Zero Migration	64.4	65.4	67.4	71.5	73.6	76.7	80.9
SSP2 - CEPAM Medium	64.4	65.4	67.5	71.7	73.7	76.8	81.0
SSP2 - CEPAM Double Migration	64.4	65.5	67.6	71.8	73.9	76.9	81.1
SSP3 - Stalled Development	63.8	64.0	64.5	65.4	65.9	66.8	68.5
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	20.1	20.9	21.9	23.0	22.9	22.1	19.9
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	20.1	20.9	22.2	24.2	24.6	24.6	23.7
SSP2 - CEPAM Double Migration	40.1	41.2	42.6	43.7	43.3	41.8	38.3
SSP3 - Stalled Development	13.4	7.0	0.0	0.0	0.0	0.0	0.1

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	23.7	25.5	28.8	34.2	36.5	39.6	42.7
Proportion age 65+	4.1%	4.4%	5.7%	9.9%	13.5%	17.0%	21.1%
Proportion RLE < 15 years	3.5%	3.8%	4.3%	6.7%	8.6%	10.9%	11.6%

Dominican Republic

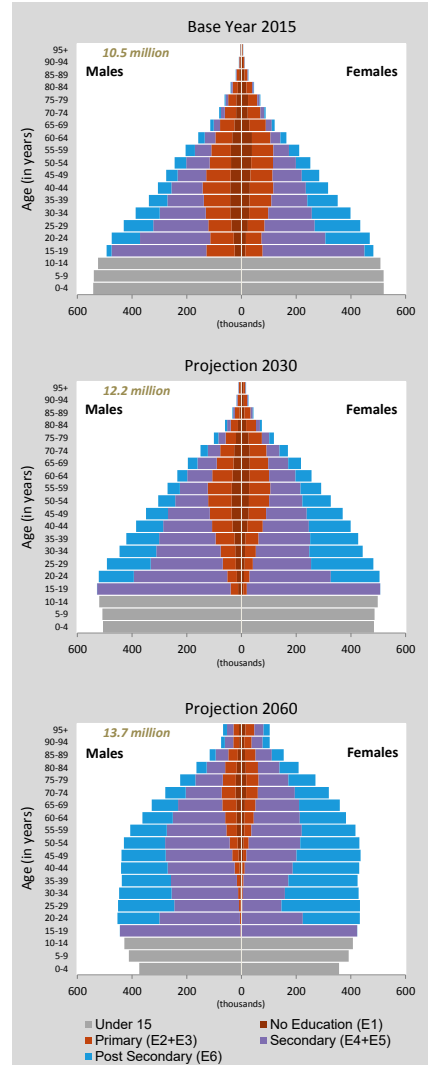
Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	10.53	11.15	12.20	13.00	13.51	13.69
Proportion age 65+	6.7%	7.5%	10.1%	13.0%	16.3%	20.2%
Proportion below age 20	39.2%	37.4%	33.1%	29.5%	26.5%	23.6%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	2.37	2.21	2.03	1.91	1.83	1.69
Life expectancy at birth (in years)						
Male	71.1	72.2	74.5	76.8	79.1	80.2
Female	77.3	78.4	80.5	82.6	84.7	86.8
Five-year net-migration flow (in thousands)	-113.8	-120.3	-131.0	-138.4	-142.4	-143.2

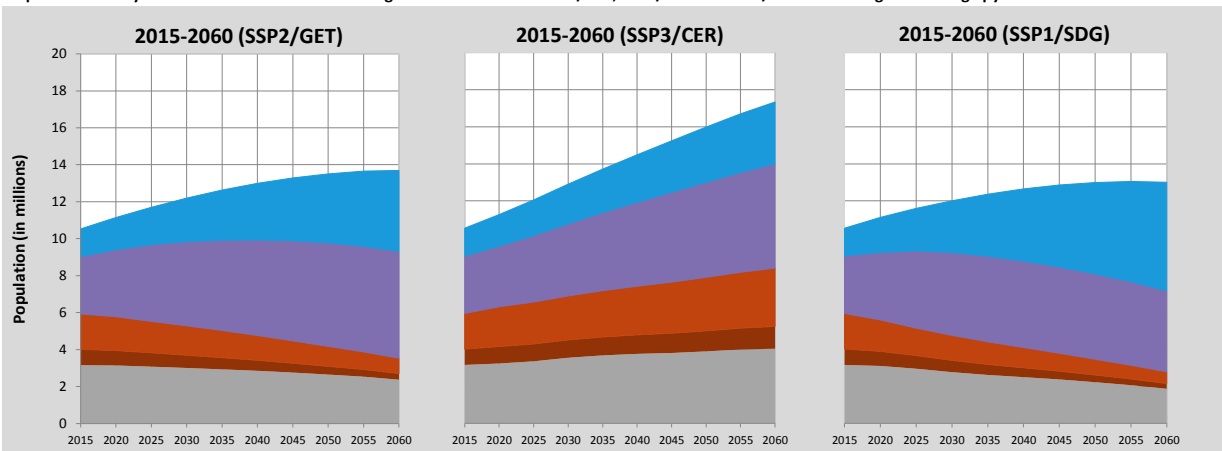
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	14.2%	12.2%	9.1%	6.7%	4.8%	3.4%
E2 - incomplete primary	18.8%	16.5%	11.9%	8.3%	5.7%	3.8%
E3 - primary	10.7%	10.2%	9.0%	7.6%	6.1%	4.8%
E4 - lower secondary	21.2%	21.8%	22.1%	21.1%	19.4%	17.1%
E5 - upper secondary	13.5%	15.3%	19.1%	22.8%	26.2%	28.8%
E6 - post-secondary	21.6%	24.1%	28.8%	33.4%	37.8%	42.0%
Mean years of schooling (in years)	8.1	8.7	9.7	10.6	11.4	12.1
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	1.13	1.15	1.21	1.25	1.29	1.33
E2 - incomplete primary	1.08	1.10	1.15	1.18	1.22	1.26
E3 - primary	1.15	1.15	1.14	1.17	1.20	1.22
E4 - lower secondary	1.15	1.18	1.22	1.28	1.34	1.40
E5 - upper secondary	0.96	0.99	1.03	1.09	1.15	1.22
E6 - post-secondary	0.72	0.71	0.71	0.71	0.71	0.71
Mean years of schooling (male minus female)	-0.4	-0.4	-0.5	-0.5	-0.5	-0.5
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	7.4%	6.0%	3.6%	2.2%	1.1%	0.5%
E2 - incomplete primary	10.2%	7.8%	3.5%	1.3%	0.4%	0.1%
E3 - primary	8.8%	7.6%	5.6%	3.6%	2.1%	1.1%
E4 - lower secondary	23.9%	23.2%	20.8%	17.0%	12.6%	8.5%
E5 - upper secondary	20.7%	24.5%	31.1%	35.6%	38.8%	39.9%
E6 - post-secondary	28.9%	30.9%	35.3%	40.2%	44.9%	49.9%
Mean years of schooling (in years)	10.8	11.3	12.3	13.1	13.7	14.2

Education scenarios
 SSP2/GET: Global Education Trend Scenario (Medium assumption)
 SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)
 SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

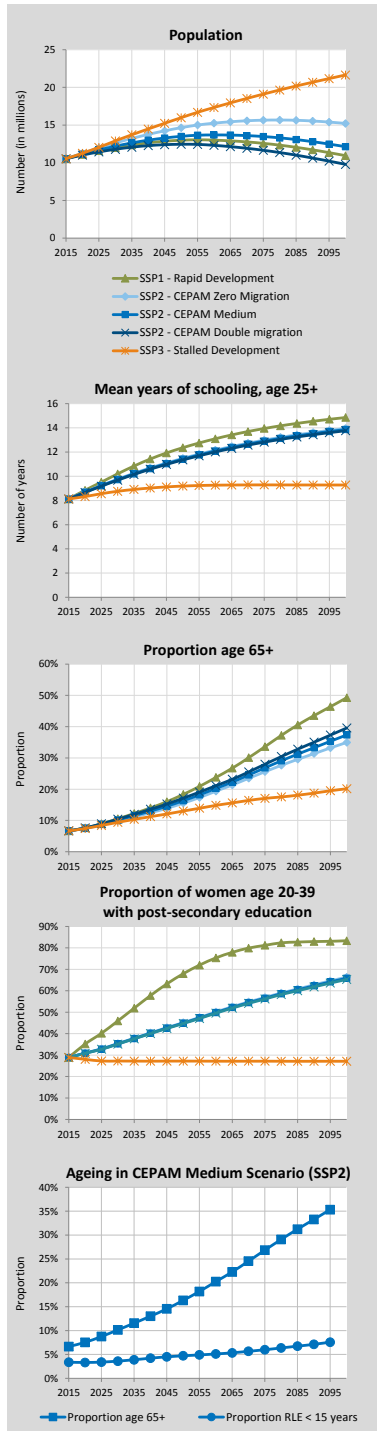
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Dominican Republic (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	10.53	11.11	12.01	12.99	13.00	12.58	10.95
SSP2 - CEPAM Zero Migration	10.53	11.27	12.62	14.66	15.25	15.65	15.22
SSP2 - CEPAM Medium	10.53	11.15	12.20	13.51	13.69	13.48	12.14
SSP2 - CEPAM Double Migration	10.53	11.02	11.79	12.45	12.31	11.66	9.79
SSP3 - Stalled Development	10.53	11.26	12.90	15.98	17.33	19.11	21.65
Proportion age 65+							
SSP1 - Rapid Development	6.7%	7.6%	10.5%	18.3%	23.8%	33.6%	49.3%
SSP2 - CEPAM Zero Migration	6.7%	7.5%	9.9%	15.5%	19.4%	25.6%	35.0%
SSP2 - CEPAM Medium	6.7%	7.5%	10.1%	16.3%	20.2%	26.8%	37.4%
SSP2 - CEPAM Double Migration	6.7%	7.6%	10.4%	17.1%	21.1%	28.0%	39.6%
SSP3 - Stalled Development	6.7%	7.4%	9.4%	13.0%	14.8%	17.1%	20.1%
Proportion below age 20							
SSP1 - Rapid Development	39.2%	37.1%	31.6%	23.4%	20.0%	15.7%	11.3%
SSP2 - CEPAM Zero Migration	39.2%	37.2%	32.9%	26.4%	23.7%	20.2%	16.7%
SSP2 - CEPAM Medium	39.2%	37.4%	33.1%	26.5%	23.6%	19.9%	16.0%
SSP2 - CEPAM Double Migration	39.2%	37.5%	33.3%	26.7%	23.6%	19.6%	15.4%
SSP3 - Stalled Development	39.2%	37.8%	35.5%	32.1%	30.7%	28.7%	27.0%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	28.9%	35.2%	46.0%	68.0%	75.3%	81.2%	83.4%
SSP2 - CEPAM Zero Migration	28.9%	31.0%	35.4%	45.2%	50.1%	56.9%	66.4%
SSP2 - CEPAM Medium	28.9%	30.9%	35.3%	44.9%	49.9%	56.5%	65.9%
SSP2 - CEPAM Double Migration	28.9%	30.9%	35.1%	44.7%	49.6%	56.2%	65.3%
SSP3 - Stalled Development	28.9%	28.0%	27.3%	27.2%	27.2%	27.2%	27.1%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	8.1	8.8	10.2	12.4	13.1	13.9	14.9
SSP2 - CEPAM Zero Migration	8.1	8.7	9.8	11.5	12.2	13.0	14.0
SSP2 - CEPAM Medium	8.1	8.7	9.7	11.4	12.1	12.9	13.9
SSP2 - CEPAM Double Migration	8.1	8.7	9.7	11.3	12.0	12.8	13.8
SSP3 - Stalled Development	8.1	8.3	8.8	9.2	9.3	9.3	9.3

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	2.27	2.02	1.79	1.58	1.44	1.41	1.37
SSP2 - CEPAM Zero Migration	2.37	2.21	2.03	1.83	1.67	1.63	1.58
SSP2 - CEPAM Medium	2.37	2.21	2.03	1.83	1.67	1.63	1.58
SSP2 - CEPAM Double Migration	2.37	2.21	2.03	1.83	1.67	1.63	1.58
SSP3 - Stalled Development	2.56	2.57	2.54	2.39	2.29	2.26	2.23
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	77.8	79.5	82.6	88.8	91.9	96.5	102.6
SSP2 - CEPAM Zero Migration	77.3	78.4	80.5	84.7	86.8	89.9	94.1
SSP2 - CEPAM Medium	77.3	78.4	80.5	84.7	86.8	89.9	94.1
SSP2 - CEPAM Double Migration	77.3	78.4	80.5	84.7	86.8	89.9	94.0
SSP3 - Stalled Development	76.7	77.2	78.2	80.0	80.9	82.3	84.2
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-113.9	-120.2	-129.9	-139.5	-138.8	-132.8	-117.5
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-113.8	-120.3	-131.0	-142.4	-142.5	-137.2	-122.3
SSP2 - CEPAM Double Migration	-227.6	-237.2	-250.7	-255.7	-246.8	-224.0	-182.1
SSP3 - Stalled Development	-75.9	-40.6	-0.1	-0.1	-0.2	-0.2	-0.2

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	26.1	27.5	30.3	37.1	40.6	45.7	52.5
Proportion age 65+	6.7%	7.5%	10.1%	16.3%	20.2%	26.8%	35.3%
Proportion RLE < 15 years	3.1%	3.1%	3.4%	4.7%	5.2%	6.3%	7.9%

East Timor

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	1.24	1.40	1.76	2.13	2.45	2.72
Proportion age 65+	3.5%	3.6%	3.9%	4.7%	4.5%	5.4%
Proportion below age 20	56.5%	54.2%	51.6%	48.2%	43.2%	38.2%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	5.42	4.90	4.02	3.28	2.71	2.50
Life expectancy at birth (in years)						
Male	67.6	68.2	69.2	70.3	71.4	72.0
Female	71.3	71.8	73.0	74.2	75.3	76.5
Five-year net-migration flow (in thousands)	-33.4	-38.0	-48.4	-58.8	-68.1	-72.3

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	44.2%	37.0%	22.9%	13.5%	7.5%	4.1%
E2 - incomplete primary	11.6%	10.8%	8.2%	5.8%	3.8%	2.3%
E3 - primary	6.2%	6.7%	7.0%	6.1%	4.8%	3.5%
E4 - lower secondary	9.3%	10.3%	12.1%	12.2%	10.9%	9.0%
E5 - upper secondary	20.0%	24.1%	32.7%	38.9%	42.9%	44.1%
E6 - post-secondary	8.7%	11.1%	17.1%	23.5%	30.1%	37.0%
Mean years of schooling (in years)	5.4	6.4	8.5	10.1	11.4	12.3
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.71	0.70	0.66	0.65	0.67	0.70
E2 - incomplete primary	1.12	1.04	0.91	0.82	0.78	0.75
E3 - primary	1.77	1.69	1.48	1.36	1.31	1.27
E4 - lower secondary	1.02	0.99	0.92	0.87	0.84	0.85
E5 - upper secondary	1.27	1.17	1.04	0.98	0.94	0.93
E6 - post-secondary	1.84	1.71	1.53	1.38	1.26	1.17
Mean years of schooling (male minus female)	0.8	0.8	0.7	0.5	0.4	0.2
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	22.1%	16.4%	7.6%	3.4%	1.4%	0.6%
E2 - incomplete primary	9.5%	7.4%	4.4%	2.3%	1.0%	0.4%
E3 - primary	7.3%	7.2%	6.3%	4.2%	2.4%	1.1%
E4 - lower secondary	12.3%	12.9%	13.2%	10.9%	7.7%	5.0%
E5 - upper secondary	35.2%	39.7%	46.0%	49.7%	50.6%	48.2%
E6 - post-secondary	13.6%	16.4%	22.6%	29.5%	36.9%	44.7%
Mean years of schooling (in years)	7.9	8.9	10.6	11.9	12.8	13.4

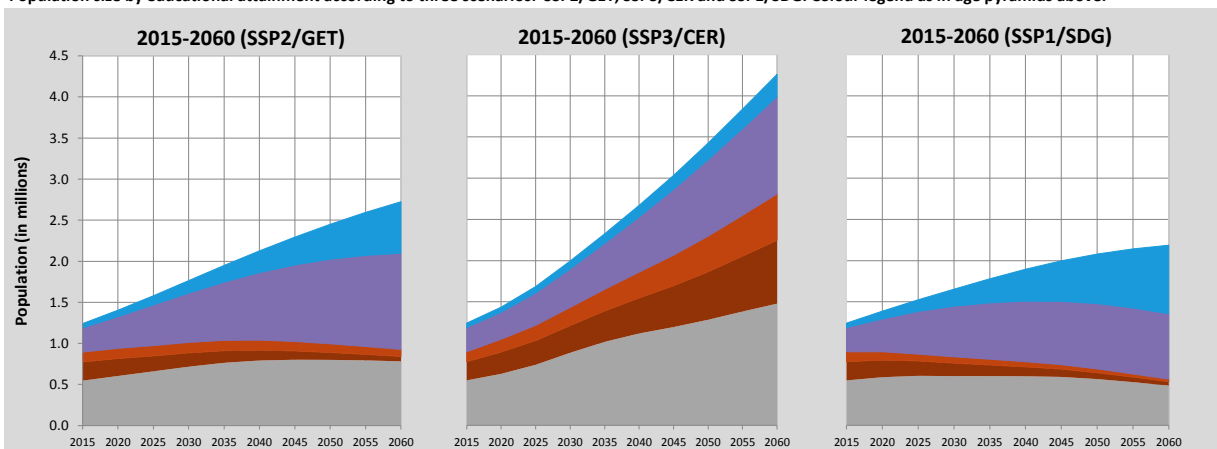
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

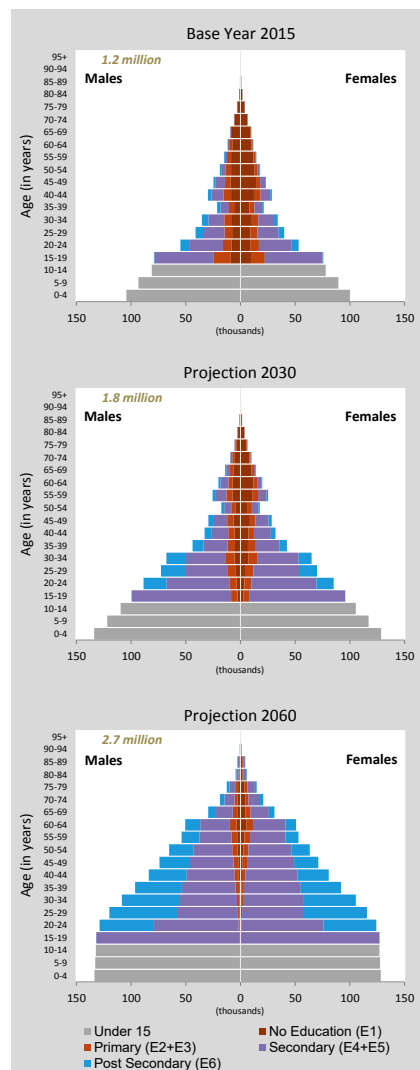
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

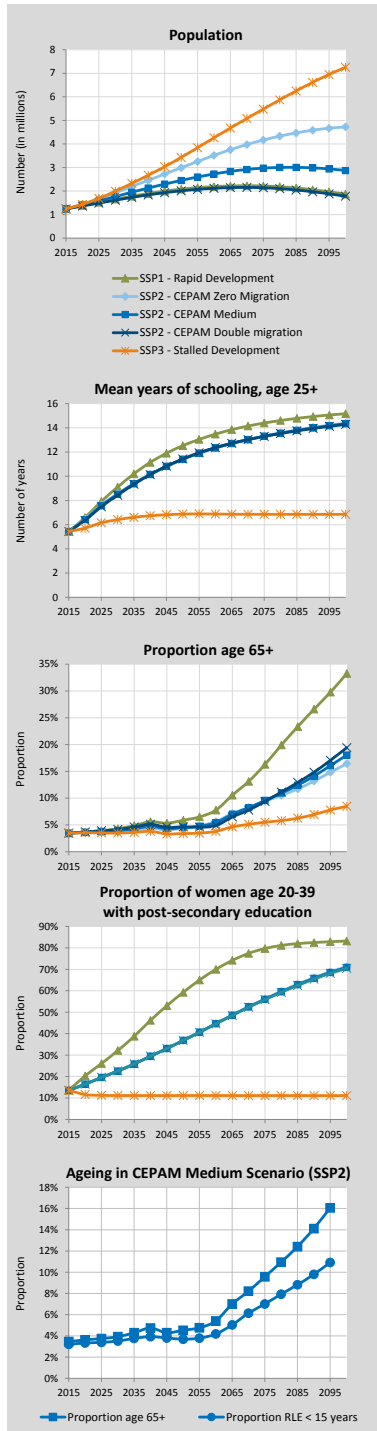
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



East Timor (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	1.24	1.39	1.65	2.08	2.19	2.22	1.87
SSP2 - CEPAM Zero Migration	1.24	1.44	1.93	2.99	3.51	4.17	4.72
SSP2 - CEPAM Medium	1.24	1.40	1.76	2.45	2.72	2.97	2.87
SSP2 - CEPAM Double Migration	1.24	1.36	1.61	2.01	2.12	2.14	1.78
SSP3 - Stalled Development	1.24	1.44	1.99	3.43	4.26	5.48	7.26
Proportion age 65+							
SSP1 - Rapid Development	3.5%	3.7%	4.3%	5.9%	7.8%	16.3%	33.2%
SSP2 - CEPAM Zero Migration	3.5%	3.6%	3.7%	4.4%	5.6%	9.4%	16.4%
SSP2 - CEPAM Medium	3.5%	3.6%	3.9%	4.5%	5.4%	9.6%	18.0%
SSP2 - CEPAM Double Migration	3.5%	3.7%	4.2%	4.6%	4.9%	9.4%	19.4%
SSP3 - Stalled Development	3.5%	3.5%	3.5%	3.4%	3.8%	5.5%	8.5%
Proportion below age 20							
SSP1 - Rapid Development	56.5%	53.5%	48.0%	36.4%	30.5%	23.2%	14.8%
SSP2 - CEPAM Zero Migration	56.5%	53.5%	50.7%	41.9%	37.1%	31.0%	24.1%
SSP2 - CEPAM Medium	56.5%	54.2%	51.6%	43.2%	38.2%	31.7%	23.9%
SSP2 - CEPAM Double Migration	56.5%	54.8%	52.7%	44.8%	39.6%	32.6%	23.9%
SSP3 - Stalled Development	56.5%	54.6%	54.1%	48.2%	44.5%	39.3%	33.9%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	13.6%	20.3%	32.2%	59.3%	70.0%	79.7%	83.2%
SSP2 - CEPAM Zero Migration	13.6%	16.4%	22.5%	36.9%	44.7%	56.2%	71.3%
SSP2 - CEPAM Medium	13.6%	16.4%	22.6%	36.9%	44.7%	56.1%	70.9%
SSP2 - CEPAM Double Migration	13.6%	16.5%	22.7%	36.8%	44.6%	55.9%	70.4%
SSP3 - Stalled Development	13.6%	11.6%	11.2%	11.2%	11.2%	11.1%	11.1%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	5.4	6.6	9.1	12.5	13.5	14.4	15.2
SSP2 - CEPAM Zero Migration	5.4	6.5	8.6	11.4	12.3	13.3	14.4
SSP2 - CEPAM Medium	5.4	6.4	8.5	11.4	12.3	13.3	14.3
SSP2 - CEPAM Double Migration	5.4	6.4	8.4	11.4	12.4	13.3	14.3
SSP3 - Stalled Development	5.4	5.7	6.4	6.9	6.9	6.9	6.9

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	4.99	4.12	3.04	1.99	1.72	1.47	1.29
SSP2 - CEPAM Zero Migration	5.42	4.90	4.02	2.71	2.32	1.98	1.73
SSP2 - CEPAM Medium	5.42	4.90	4.02	2.71	2.32	1.98	1.73
SSP2 - CEPAM Double Migration	5.42	4.90	4.02	2.71	2.32	1.98	1.73
SSP3 - Stalled Development	5.88	5.74	5.12	3.62	3.14	2.77	2.53
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	71.8	73.0	75.2	79.5	81.7	85.1	89.4
SSP2 - CEPAM Zero Migration	71.3	71.8	73.0	75.3	76.5	78.3	80.6
SSP2 - CEPAM Medium	71.3	71.8	73.0	75.3	76.5	78.3	80.6
SSP2 - CEPAM Double Migration	71.3	71.9	73.0	75.4	76.5	78.3	80.6
SSP3 - Stalled Development	70.6	70.4	70.1	69.2	68.7	68.3	68.2
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-33.4	-37.6	-45.2	-57.5	-60.5	-60.8	-52.6
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-33.4	-38.0	-48.4	-68.1	-75.9	-82.3	-80.0
SSP2 - CEPAM Double Migration	-66.8	-73.7	-87.7	-110.2	-116.2	-116.1	-98.9
SSP3 - Stalled Development	-22.3	-13.0	0.0	-0.1	-0.1	-0.1	-0.2

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	17.4	18.1	19.3	23.4	26.5	31.6	38.5
Proportion age 65+	3.5%	3.6%	3.9%	4.5%	5.4%	9.6%	16.1%
Proportion RLE < 15 years	3.1%	3.3%	3.4%	3.6%	4.0%	6.7%	10.5%

Ecuador

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	16.14	17.31	19.36	21.06	22.36	23.17
Proportion age 65+	6.7%	7.8%	10.5%	13.8%	17.5%	21.7%
Proportion below age 20	38.3%	36.2%	32.1%	28.2%	25.2%	22.6%
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	2.40	2.23	2.02	1.88	1.75	1.73
Life expectancy at birth (in years)						
Male	74.0	75.1	77.3	79.6	81.8	82.9
Female	79.4	80.5	82.7	84.8	87.0	89.1
Five-year net-migration flow (in thousands)	-31.8	-34.5	-39.1	-42.8	-45.3	-46.1

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	7.8%	6.4%	4.3%	2.9%	2.0%	1.3%
E2 - incomplete primary	15.8%	13.8%	10.3%	7.5%	5.3%	3.7%
E3 - primary	25.4%	24.5%	22.2%	19.3%	16.3%	13.3%
E4 - lower secondary	13.2%	13.8%	14.6%	14.7%	14.5%	13.7%
E5 - upper secondary	20.1%	22.2%	26.3%	30.3%	33.6%	36.3%
E6 - post-secondary	17.8%	19.3%	22.2%	25.3%	28.4%	31.6%
Mean years of schooling (in years)	8.7	9.1	9.9	10.6	11.2	11.8
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.80	0.81	0.85	0.89	0.95	1.00
E2 - incomplete primary	0.92	0.91	0.90	0.89	0.88	0.88
E3 - primary	1.14	1.13	1.12	1.12	1.12	1.12
E4 - lower secondary	1.04	1.06	1.07	1.09	1.10	1.12
E5 - upper secondary	0.98	0.99	1.01	1.04	1.08	1.10
E6 - post-secondary	0.97	0.95	0.91	0.87	0.84	0.82
Mean years of schooling (male minus female)	0.1	0.0	0.0	-0.1	-0.1	-0.2
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	3.2%	2.4%	1.2%	0.6%	0.3%	0.2%
E2 - incomplete primary	9.1%	7.0%	3.6%	1.9%	0.9%	0.4%
E3 - primary	22.5%	20.4%	15.8%	11.2%	7.4%	4.5%
E4 - lower secondary	15.7%	15.6%	15.3%	13.9%	12.3%	10.0%
E5 - upper secondary	28.5%	32.0%	38.0%	42.3%	44.8%	46.3%
E6 - post-secondary	20.9%	22.6%	26.1%	30.1%	34.3%	38.6%
Mean years of schooling (in years)	10.3	10.7	11.6	12.3	12.9	13.3

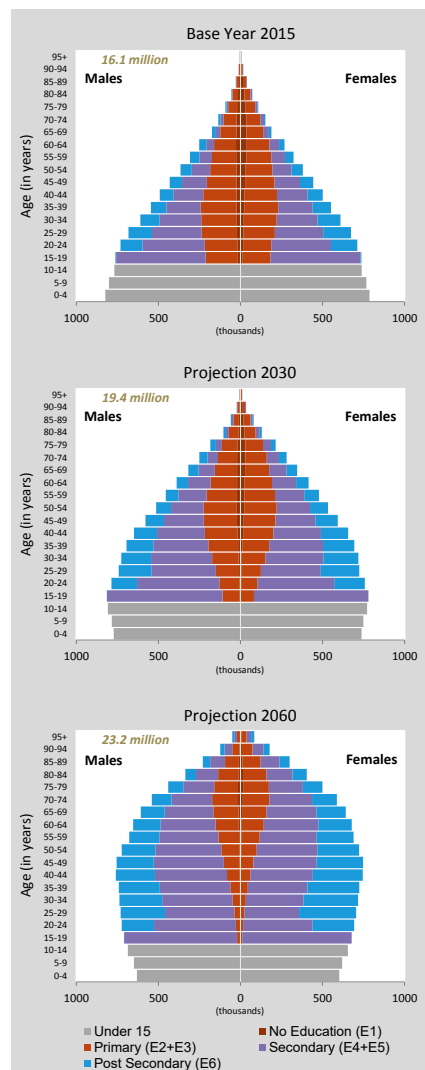
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

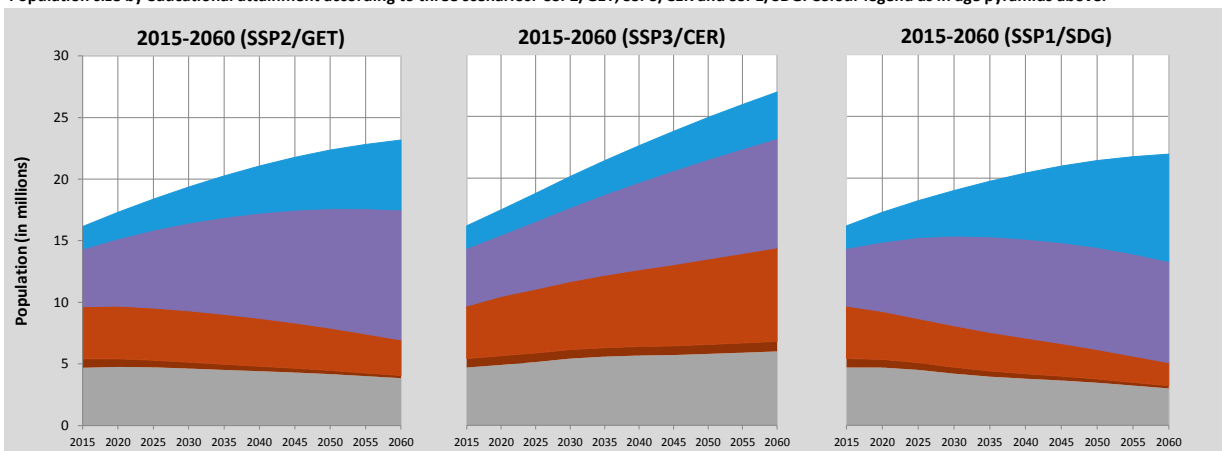
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

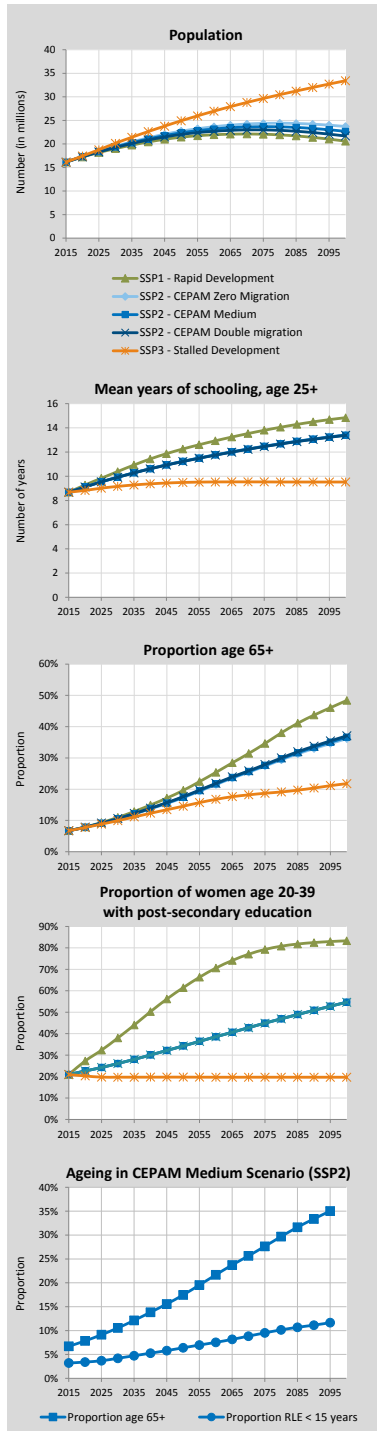
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Ecuador (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	16.14	17.24	19.00	21.43	21.95	22.06	20.59
SSP2 - CEPAM Zero Migration	16.14	17.34	19.48	22.70	23.65	24.36	23.70
SSP2 - CEPAM Medium	16.14	17.31	19.36	22.36	23.17	23.66	22.67
SSP2 - CEPAM Double Migration	16.14	17.27	19.24	22.01	22.69	22.98	21.68
SSP3 - Stalled Development	16.14	17.44	20.13	24.91	26.97	29.65	33.42
Proportion age 65+							
SSP1 - Rapid Development	6.7%	7.9%	11.0%	19.6%	25.4%	34.6%	48.4%
SSP2 - CEPAM Zero Migration	6.7%	7.8%	10.5%	17.3%	21.5%	27.4%	36.2%
SSP2 - CEPAM Medium	6.7%	7.8%	10.5%	17.5%	21.7%	27.6%	36.6%
SSP2 - CEPAM Double Migration	6.7%	7.9%	10.6%	17.6%	21.9%	27.9%	37.1%
SSP3 - Stalled Development	6.7%	7.7%	9.9%	14.6%	16.7%	18.7%	21.8%
Proportion below age 20							
SSP1 - Rapid Development	38.3%	35.9%	30.4%	22.0%	18.9%	15.5%	11.6%
SSP2 - CEPAM Zero Migration	38.3%	36.1%	32.1%	25.2%	22.6%	19.8%	16.4%
SSP2 - CEPAM Medium	38.3%	36.2%	32.1%	25.2%	22.6%	19.7%	16.3%
SSP2 - CEPAM Double Migration	38.3%	36.2%	32.1%	25.2%	22.5%	19.6%	16.2%
SSP3 - Stalled Development	38.3%	36.7%	34.8%	30.7%	29.3%	27.8%	26.0%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	20.9%	27.3%	38.0%	61.5%	70.6%	79.3%	83.3%
SSP2 - CEPAM Zero Migration	20.9%	22.6%	26.1%	34.3%	38.6%	45.0%	54.7%
SSP2 - CEPAM Medium	20.9%	22.6%	26.1%	34.3%	38.6%	44.9%	54.7%
SSP2 - CEPAM Double Migration	20.9%	22.6%	26.1%	34.3%	38.6%	44.9%	54.7%
SSP3 - Stalled Development	20.9%	20.3%	19.7%	19.7%	19.7%	19.7%	19.7%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	8.7	9.3	10.4	12.3	12.9	13.8	14.8
SSP2 - CEPAM Zero Migration	8.7	9.1	9.9	11.2	11.8	12.5	13.4
SSP2 - CEPAM Medium	8.7	9.1	9.9	11.2	11.8	12.5	13.4
SSP2 - CEPAM Double Migration	8.7	9.1	9.9	11.2	11.7	12.5	13.4
SSP3 - Stalled Development	8.7	8.8	9.2	9.5	9.5	9.5	9.5

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	2.29	2.00	1.73	1.48	1.46	1.42	1.36
SSP2 - CEPAM Zero Migration	2.40	2.23	2.02	1.75	1.71	1.66	1.58
SSP2 - CEPAM Medium	2.40	2.23	2.02	1.75	1.71	1.66	1.58
SSP2 - CEPAM Double Migration	2.40	2.23	2.02	1.75	1.71	1.66	1.58
SSP3 - Stalled Development	2.61	2.61	2.56	2.32	2.29	2.26	2.19
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	80.0	81.6	84.8	91.1	94.3	99.0	105.5
SSP2 - CEPAM Zero Migration	79.4	80.5	82.7	87.0	89.1	92.4	96.7
SSP2 - CEPAM Medium	79.4	80.5	82.7	87.0	89.1	92.4	96.7
SSP2 - CEPAM Double Migration	79.4	80.5	82.7	87.0	89.1	92.4	96.7
SSP3 - Stalled Development	78.9	79.4	80.4	82.4	83.4	84.9	87.0
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-31.8	-34.4	-39.0	-45.4	-47.0	-48.0	-46.5
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-31.8	-34.5	-39.1	-45.3	-46.6	-46.9	-44.0
SSP2 - CEPAM Double Migration	-63.5	-68.9	-77.9	-89.3	-91.1	-90.2	-82.7
SSP3 - Stalled Development	-21.2	-11.6	0.0	0.0	0.0	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	26.6	28.2	31.6	38.4	41.9	46.7	52.2
Proportion age 65+	6.7%	7.8%	10.5%	17.5%	21.7%	27.6%	35.0%
Proportion RLE < 15 years	3.2%	3.4%	4.1%	6.4%	7.6%	9.6%	11.7%

Egypt

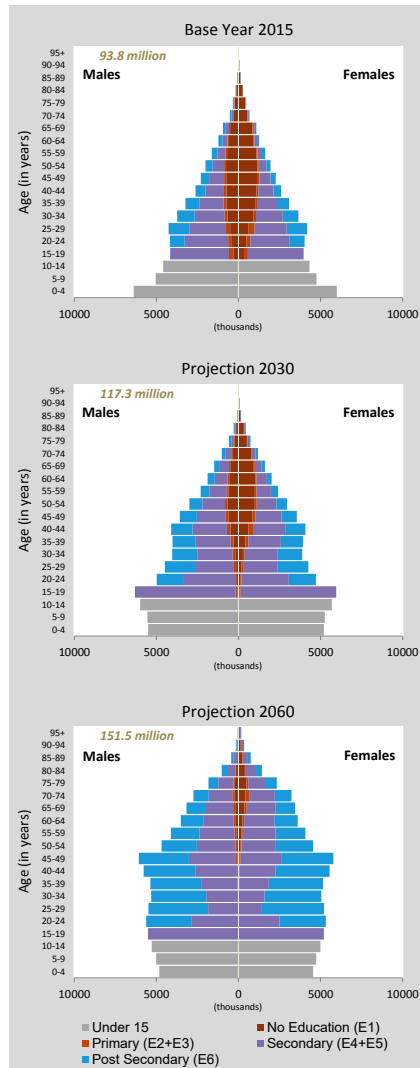
Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	93.79	102.56	117.34	131.24	143.06	151.53
Proportion age 65+	5.1%	5.3%	6.6%	8.0%	10.7%	13.9%
Proportion below age 20	41.8%	41.6%	38.7%	33.0%	30.0%	26.5%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	3.05	2.71	2.33	2.03	1.85	1.80
Life expectancy at birth (in years)						
Male	69.5	70.7	72.9	75.2	77.5	78.6
Female	74.1	75.2	77.4	79.6	81.8	84.0
Five-year net-migration flow (in thousands)	-286.5	-315.4	-362.9	-408.1	-446.3	-460.8

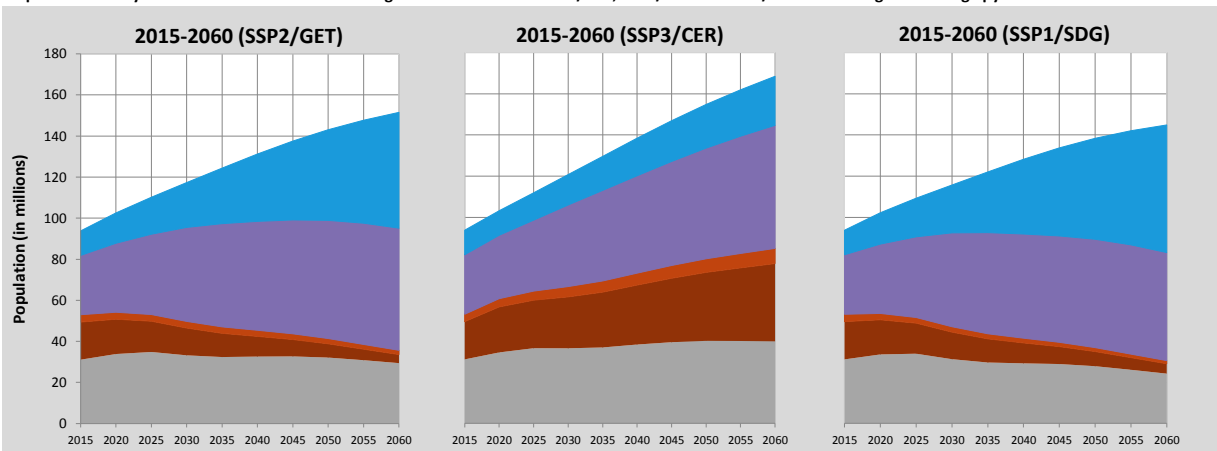
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	36.3%	30.8%	20.8%	12.8%	7.5%	4.2%
E2 - incomplete primary	1.2%	1.1%	1.0%	0.8%	0.6%	0.4%
E3 - primary	4.3%	4.1%	3.6%	2.9%	2.2%	1.6%
E4 - lower secondary	4.7%	4.9%	5.0%	4.5%	3.8%	3.0%
E5 - upper secondary	31.7%	34.7%	39.6%	42.1%	42.1%	40.2%
E6 - post-secondary	21.7%	24.4%	29.9%	36.9%	43.9%	50.6%
Mean years of schooling (in years)	7.4	8.2	9.7	11.0	12.0	12.7
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.66	0.65	0.61	0.58	0.55	0.52
E2 - incomplete primary	2.10	2.03	1.60	1.43	1.29	1.19
E3 - primary	1.04	0.94	1.01	0.99	0.96	0.93
E4 - lower secondary	1.21	1.19	1.13	1.09	1.06	1.04
E5 - upper secondary	1.26	1.21	1.15	1.12	1.11	1.11
E6 - post-secondary	1.31	1.24	1.12	1.04	0.99	0.97
Mean years of schooling (male minus female)	0.9	0.8	0.6	0.4	0.2	0.1
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	17.6%	12.9%	5.0%	1.7%	0.6%	0.1%
E2 - incomplete primary	1.0%	0.8%	0.8%	0.4%	0.1%	0.0%
E3 - primary	5.0%	4.3%	2.3%	1.2%	0.6%	0.3%
E4 - lower secondary	6.0%	5.6%	4.5%	3.0%	1.7%	0.8%
E5 - upper secondary	44.4%	46.5%	50.0%	47.6%	42.7%	37.0%
E6 - post-secondary	26.0%	29.8%	37.4%	46.1%	54.2%	61.7%
Mean years of schooling (in years)	9.3	10.3	12.1	13.0	13.5	13.8

Education scenarios
 SSP2/GET: Global Education Trend Scenario (Medium assumption)
 SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)
 SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

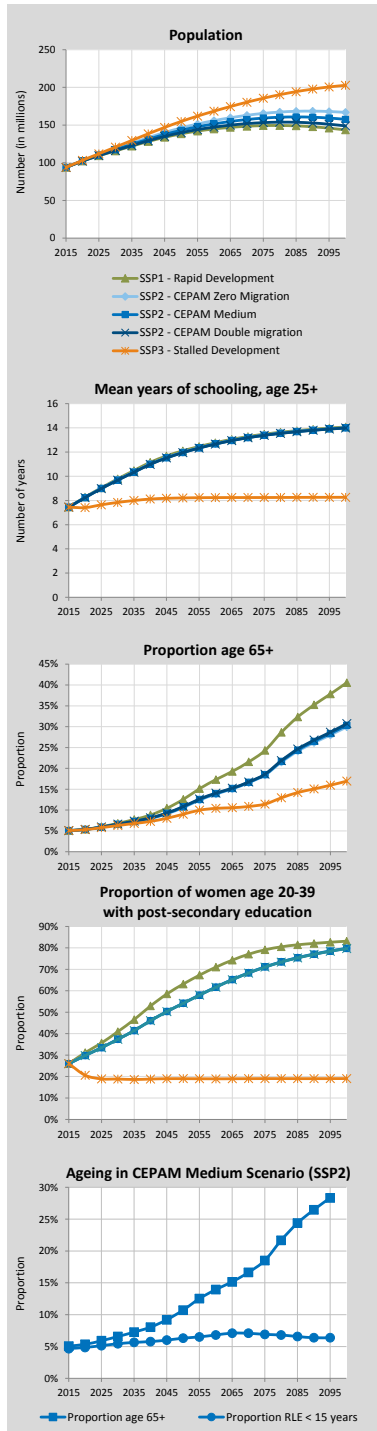
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Egypt (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	93.79	102.25	115.70	138.38	144.86	149.29	143.59
SSP2 - CEPAM Zero Migration	93.79	102.87	118.44	146.22	155.89	165.51	166.88
SSP2 - CEPAM Medium	93.79	102.56	117.34	143.06	151.53	159.27	157.65
SSP2 - CEPAM Double Migration	93.79	102.25	116.24	139.97	147.28	153.28	148.95
SSP3 - Stalled Development	93.79	103.24	120.78	154.81	168.49	185.63	202.79
Proportion age 65+							
SSP1 - Rapid Development	5.1%	5.4%	6.8%	12.6%	17.3%	24.3%	40.6%
SSP2 - CEPAM Zero Migration	5.1%	5.3%	6.5%	10.6%	13.8%	18.4%	29.9%
SSP2 - CEPAM Medium	5.1%	5.3%	6.6%	10.7%	13.9%	18.5%	30.3%
SSP2 - CEPAM Double Migration	5.1%	5.4%	6.6%	10.8%	14.1%	18.6%	30.7%
SSP3 - Stalled Development	5.1%	5.3%	6.3%	9.0%	10.4%	11.4%	16.9%
Proportion below age 20							
SSP1 - Rapid Development	41.8%	41.4%	37.6%	27.1%	23.1%	18.6%	13.5%
SSP2 - CEPAM Zero Migration	41.8%	41.6%	38.6%	29.9%	26.4%	22.4%	17.9%
SSP2 - CEPAM Medium	41.8%	41.6%	38.7%	30.0%	26.5%	22.5%	17.8%
SSP2 - CEPAM Double Migration	41.8%	41.7%	38.8%	30.1%	26.6%	22.5%	17.8%
SSP3 - Stalled Development	41.8%	42.0%	40.4%	34.1%	31.6%	28.8%	25.1%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	26.0%	31.2%	41.0%	63.1%	71.0%	79.1%	83.1%
SSP2 - CEPAM Zero Migration	26.0%	29.8%	37.4%	54.2%	61.8%	71.2%	79.9%
SSP2 - CEPAM Medium	26.0%	29.8%	37.4%	54.2%	61.7%	71.1%	79.8%
SSP2 - CEPAM Double Migration	26.0%	29.8%	37.4%	54.2%	61.7%	71.0%	79.7%
SSP3 - Stalled Development	26.0%	20.6%	18.8%	19.0%	18.9%	19.1%	19.1%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	7.4	8.3	9.8	12.1	12.8	13.5	14.1
SSP2 - CEPAM Zero Migration	7.4	8.2	9.7	12.0	12.7	13.4	14.0
SSP2 - CEPAM Medium	7.4	8.2	9.7	12.0	12.7	13.4	14.0
SSP2 - CEPAM Double Migration	7.4	8.2	9.7	11.9	12.7	13.4	14.0
SSP3 - Stalled Development	7.4	7.4	7.8	8.2	8.2	8.2	8.3

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	2.95	2.53	2.09	1.62	1.55	1.47	1.38
SSP2 - CEPAM Zero Migration	3.05	2.71	2.33	1.85	1.76	1.68	1.58
SSP2 - CEPAM Medium	3.05	2.71	2.33	1.85	1.76	1.68	1.58
SSP2 - CEPAM Double Migration	3.05	2.71	2.33	1.85	1.76	1.68	1.58
SSP3 - Stalled Development	3.22	2.97	2.69	2.22	2.13	2.04	1.92
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	74.6	76.2	79.4	85.8	89.1	93.9	100.3
SSP2 - CEPAM Zero Migration	74.1	75.2	77.4	81.8	84.0	87.4	91.8
SSP2 - CEPAM Medium	74.1	75.2	77.4	81.8	84.0	87.4	91.8
SSP2 - CEPAM Double Migration	74.1	75.2	77.4	81.8	84.0	87.4	91.8
SSP3 - Stalled Development	73.5	74.0	75.1	77.1	77.9	79.3	81.5
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-286.6	-314.9	-360.2	-437.2	-458.7	-474.0	-463.1
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-286.5	-315.4	-362.9	-446.3	-472.8	-496.3	-492.2
SSP2 - CEPAM Double Migration	-572.9	-628.8	-718.5	-871.5	-916.5	-951.3	-927.5
SSP3 - Stalled Development	-191.0	-105.9	-0.4	-0.5	-0.5	-0.5	-0.6

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	24.7	25.3	27.0	33.2	36.7	41.4	48.0
Proportion age 65+	5.1%	5.3%	6.6%	10.7%	13.9%	18.5%	28.3%
Proportion RLE < 15 years	4.6%	4.8%	5.1%	5.9%	6.4%	6.7%	5.6%

El Salvador

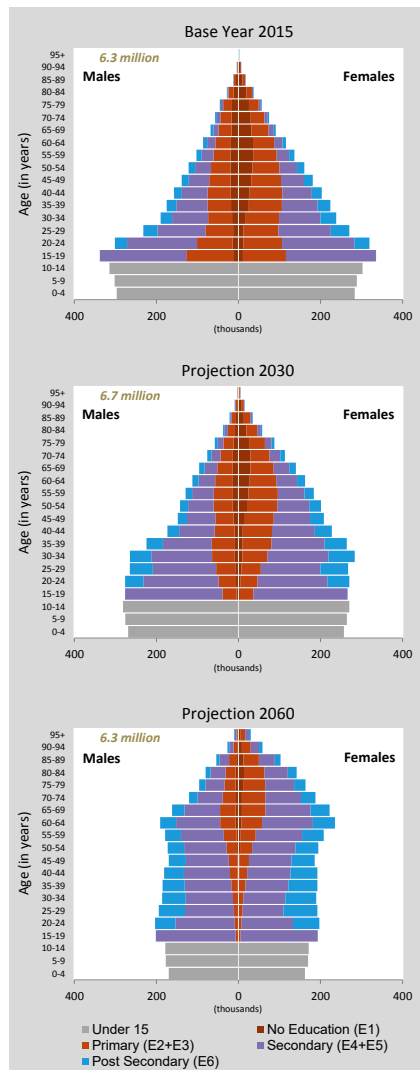
Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	6.31	6.49	6.71	6.76	6.61	6.33
Proportion age 65+	7.9%	8.9%	11.2%	14.4%	18.0%	23.0%
Proportion below age 20	39.0%	35.9%	32.2%	28.8%	25.3%	22.5%
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	2.07	1.99	1.89	1.83	1.72	1.67
Life expectancy at birth (in years)						
Male	69.2	70.3	72.5	74.7	76.9	78.0
Female	78.2	79.3	81.4	83.5	85.6	87.7
Five-year net-migration flow (in thousands)	-196.9	-202.1	-208.4	-208.7	-203.0	-198.5

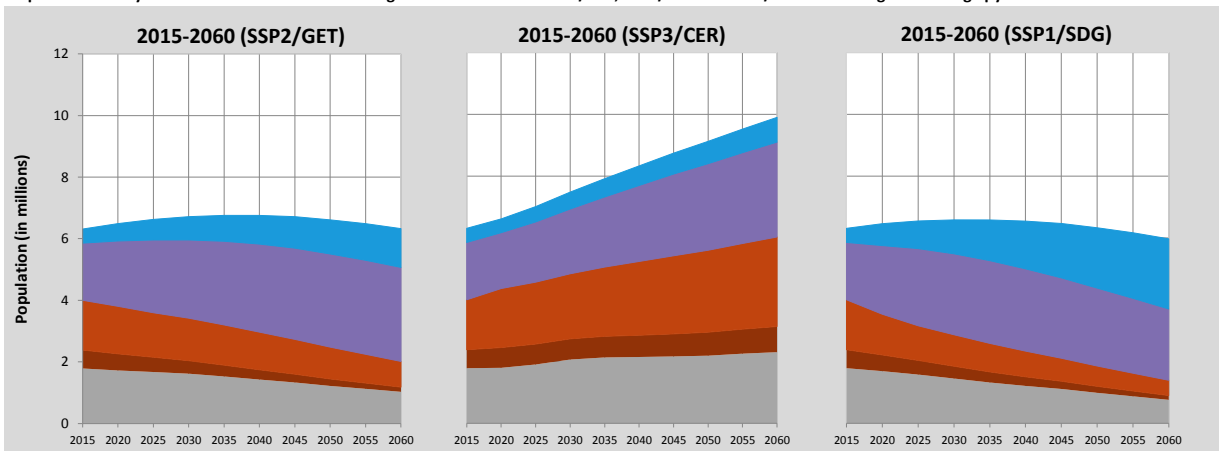
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	17.0%	14.2%	10.1%	7.2%	5.0%	3.4%
E2 - incomplete primary	22.4%	20.5%	16.7%	13.5%	10.7%	8.2%
E3 - primary	15.2%	15.0%	13.9%	12.7%	11.3%	9.7%
E4 - lower secondary	16.6%	17.8%	19.7%	20.8%	21.1%	20.7%
E5 - upper secondary	16.8%	19.0%	23.1%	26.6%	29.8%	32.6%
E6 - post-secondary	12.1%	13.5%	16.4%	19.1%	22.2%	25.4%
Mean years of schooling (in years)	7.1	7.7	8.7	9.5	10.2	10.9
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.79	0.79	0.78	0.77	0.78	0.81
E2 - incomplete primary	0.92	0.90	0.84	0.81	0.78	0.77
E3 - primary	1.01	0.99	0.97	0.94	0.91	0.89
E4 - lower secondary	1.28	1.27	1.25	1.24	1.23	1.21
E5 - upper secondary	1.05	1.05	1.07	1.08	1.09	1.10
E6 - post-secondary	1.07	1.04	0.99	0.94	0.91	0.88
Mean years of schooling (male minus female)	0.2	0.2	0.2	0.2	0.1	0.0
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	6.5%	4.9%	3.1%	1.8%	0.9%	0.5%
E2 - incomplete primary	15.8%	13.2%	8.7%	5.2%	3.0%	1.6%
E3 - primary	15.6%	14.0%	11.1%	8.5%	6.2%	4.3%
E4 - lower secondary	23.5%	23.3%	23.1%	22.2%	19.9%	16.7%
E5 - upper secondary	24.8%	28.5%	33.6%	37.9%	41.1%	43.3%
E6 - post-secondary	13.7%	16.2%	20.4%	24.3%	28.9%	33.6%
Mean years of schooling (in years)	9.0	9.6	10.6	11.5	12.2	12.8

Education scenarios
 SSP2/GET: Global Education Trend Scenario (Medium assumption)
 SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)
 SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

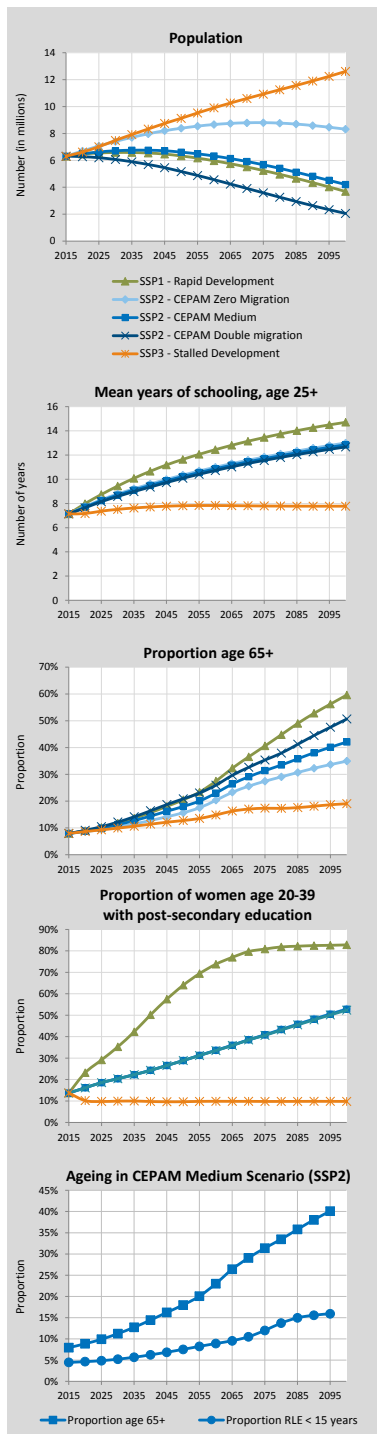
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



El Salvador (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	6.31	6.46	6.59	6.33	5.97	5.25	3.69
SSP2 - CEPAM Zero Migration	6.31	6.70	7.40	8.39	8.67	8.80	8.32
SSP2 - CEPAM Medium	6.31	6.49	6.71	6.61	6.33	5.67	4.21
SSP2 - CEPAM Double Migration	6.31	6.28	6.07	5.17	4.57	3.59	2.06
SSP3 - Stalled Development	6.31	6.62	7.48	9.13	9.90	10.93	12.61
Proportion age 65+							
SSP1 - Rapid Development	7.9%	8.9%	11.8%	20.5%	27.5%	40.6%	59.6%
SSP2 - CEPAM Zero Migration	7.9%	8.6%	10.4%	15.6%	20.3%	27.4%	34.9%
SSP2 - CEPAM Medium	7.9%	8.9%	11.2%	18.0%	23.0%	31.4%	42.1%
SSP2 - CEPAM Double Migration	7.9%	9.1%	12.2%	20.9%	26.0%	35.4%	50.6%
SSP3 - Stalled Development	7.9%	8.6%	9.9%	12.8%	14.8%	17.3%	19.0%
Proportion below age 20							
SSP1 - Rapid Development	39.0%	35.6%	30.3%	21.7%	18.1%	14.0%	9.1%
SSP2 - CEPAM Zero Migration	39.0%	35.5%	31.6%	24.9%	22.5%	19.7%	17.0%
SSP2 - CEPAM Medium	39.0%	35.9%	32.2%	25.3%	22.5%	19.2%	15.6%
SSP2 - CEPAM Double Migration	39.0%	36.3%	32.8%	25.8%	22.6%	18.7%	13.6%
SSP3 - Stalled Development	39.0%	36.4%	35.1%	31.8%	30.7%	29.4%	29.0%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	13.7%	23.2%	35.3%	64.0%	73.8%	80.9%	82.8%
SSP2 - CEPAM Zero Migration	13.7%	16.2%	20.4%	28.9%	33.7%	40.9%	53.0%
SSP2 - CEPAM Medium	13.7%	16.2%	20.4%	28.9%	33.6%	40.8%	52.8%
SSP2 - CEPAM Double Migration	13.7%	16.1%	20.4%	28.9%	33.5%	40.6%	52.4%
SSP3 - Stalled Development	13.7%	10.2%	9.9%	9.7%	9.9%	9.8%	9.8%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	7.1	8.0	9.4	11.6	12.4	13.4	14.7
SSP2 - CEPAM Zero Migration	7.1	7.7	8.8	10.3	11.0	11.8	13.0
SSP2 - CEPAM Medium	7.1	7.7	8.7	10.2	10.9	11.7	12.8
SSP2 - CEPAM Double Migration	7.1	7.6	8.6	10.1	10.7	11.6	12.7
SSP3 - Stalled Development	7.1	7.2	7.5	7.8	7.8	7.8	7.8

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.96	1.77	1.62	1.45	1.39	1.38	1.38
SSP2 - CEPAM Zero Migration	2.07	1.99	1.89	1.72	1.65	1.62	1.61
SSP2 - CEPAM Medium	2.07	1.99	1.89	1.72	1.65	1.62	1.61
SSP2 - CEPAM Double Migration	2.07	1.99	1.89	1.72	1.65	1.62	1.61
SSP3 - Stalled Development	2.29	2.43	2.49	2.37	2.32	2.33	2.42
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	78.7	80.4	83.5	89.8	92.9	97.7	104.1
SSP2 - CEPAM Zero Migration	78.2	79.3	81.4	85.6	87.7	90.9	95.1
SSP2 - CEPAM Medium	78.2	79.3	81.4	85.6	87.7	90.9	95.1
SSP2 - CEPAM Double Migration	78.2	79.3	81.4	85.6	87.7	90.9	95.1
SSP3 - Stalled Development	77.7	78.1	79.0	80.9	81.8	83.1	85.0
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-197.1	-201.6	-205.0	-195.5	-183.3	-159.2	-118.5
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-196.9	-202.1	-208.4	-203.0	-192.9	-170.9	-132.9
SSP2 - CEPAM Double Migration	-393.8	-390.5	-374.8	-313.2	-273.1	-210.2	-130.6
SSP3 - Stalled Development	-131.2	-68.7	-0.2	-0.2	-0.3	-0.3	-0.3

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	25.8	27.3	31.1	38.8	42.7	49.1	56.6
Proportion age 65+	7.9%	8.9%	11.2%	18.0%	23.0%	31.4%	40.1%
Proportion RLE < 15 years	4.3%	4.6%	5.4%	8.1%	9.8%	12.8%	16.6%

Equatorial Guinea

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	1.18	1.34	1.64	1.93	2.19	2.39
Proportion age 65+	2.9%	3.1%	3.5%	4.9%	8.1%	10.5%
Proportion below age 20	45.9%	46.3%	43.4%	38.0%	34.4%	30.7%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	4.44	3.83	3.07	2.53	2.19	2.08
Life expectancy at birth (in years)						
Male	56.8	57.8	59.7	61.6	63.6	64.5
Female	59.5	60.5	62.6	64.8	66.9	69.0
Five-year net-migration flow (in thousands)	24.6	25.3	26.6	27.4	27.9	28.0

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	7.2%	5.8%	3.8%	2.5%	1.6%	1.1%
E2 - incomplete primary	14.6%	12.6%	9.2%	6.1%	3.9%	2.4%
E3 - primary	38.6%	37.0%	34.3%	29.8%	24.7%	19.7%
E4 - lower secondary	24.1%	25.5%	28.8%	32.3%	34.6%	35.7%
E5 - upper secondary	9.6%	11.9%	15.0%	18.7%	22.5%	26.3%
E6 - post-secondary	5.9%	7.2%	8.9%	10.7%	12.6%	14.8%
Mean years of schooling (in years)	7.0	7.5	8.4	9.2	9.9	10.6
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.31	0.38	0.58	0.80	1.00	1.16
E2 - incomplete primary	0.37	0.35	0.35	0.37	0.41	0.44
E3 - primary	0.84	0.77	0.68	0.61	0.55	0.50
E4 - lower secondary	1.59	1.37	1.07	0.85	0.72	0.63
E5 - upper secondary	5.54	4.29	3.40	2.84	2.45	2.13
E6 - post-secondary	4.85	3.69	3.12	2.91	2.84	2.80
Mean years of schooling (male minus female)	1.6	1.5	1.3	1.1	1.0	0.9
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	2.9%	2.5%	0.9%	0.5%	0.3%	0.2%
E2 - incomplete primary	9.6%	7.6%	3.5%	1.5%	0.7%	0.3%
E3 - primary	38.7%	35.3%	29.4%	22.2%	15.7%	9.8%
E4 - lower secondary	29.1%	30.7%	35.8%	38.9%	39.5%	37.6%
E5 - upper secondary	13.3%	16.0%	20.8%	25.4%	29.9%	35.4%
E6 - post-secondary	6.4%	8.0%	9.7%	11.5%	13.9%	16.7%
Mean years of schooling (in years)	6.6	7.2	8.7	9.7	10.2	10.7

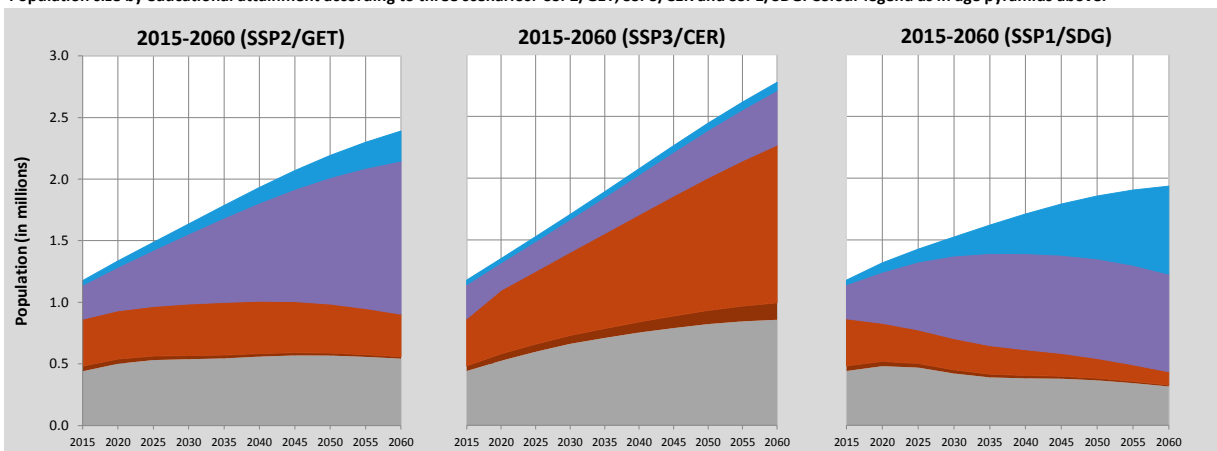
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

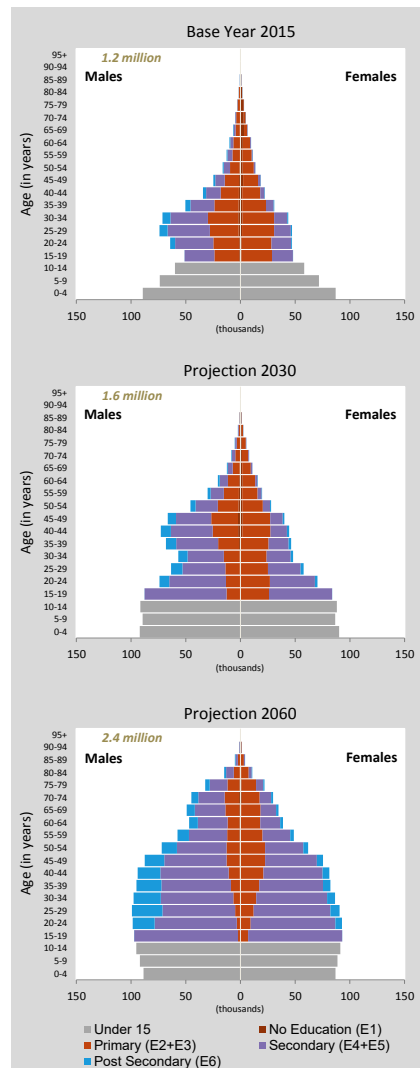
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

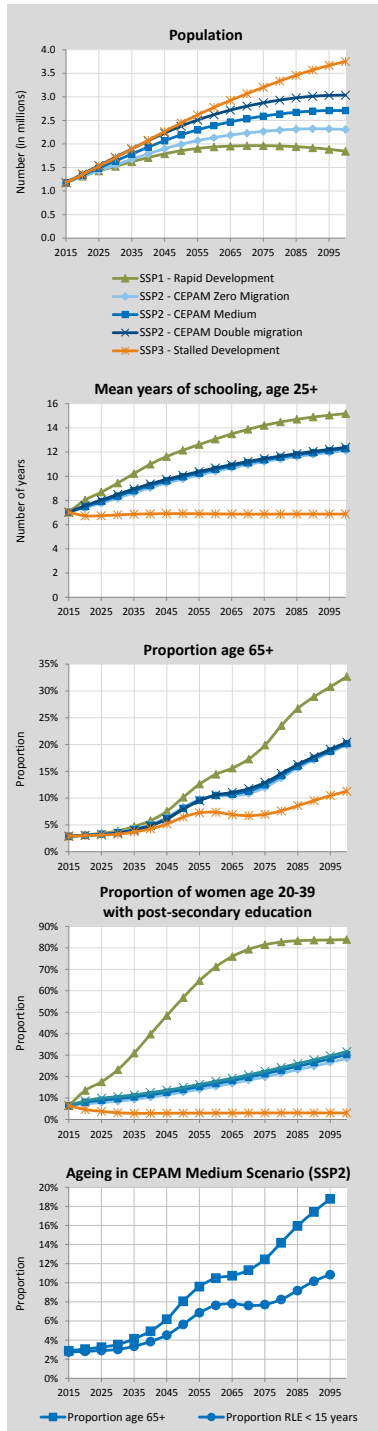
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



Equatorial Guinea (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	1.18	1.31	1.52	1.86	1.94	1.96	1.84
SSP2 - CEPAM Zero Migration	1.18	1.31	1.55	1.99	2.14	2.27	2.31
SSP2 - CEPAM Medium	1.18	1.34	1.64	2.19	2.39	2.59	2.71
SSP2 - CEPAM Double Migration	1.18	1.36	1.72	2.38	2.62	2.87	3.04
SSP3 - Stalled Development	1.18	1.35	1.71	2.44	2.77	3.20	3.75
Proportion age 65+							
SSP1 - Rapid Development	2.9%	3.1%	3.9%	10.2%	14.4%	19.9%	32.7%
SSP2 - CEPAM Zero Migration	2.9%	3.1%	3.6%	8.3%	10.4%	11.9%	19.9%
SSP2 - CEPAM Medium	2.9%	3.1%	3.5%	8.1%	10.5%	12.5%	20.2%
SSP2 - CEPAM Double Migration	2.9%	3.0%	3.5%	7.9%	10.6%	12.9%	20.4%
SSP3 - Stalled Development	2.9%	3.0%	3.3%	6.5%	7.4%	7.0%	11.3%
Proportion below age 20							
SSP1 - Rapid Development	45.9%	45.4%	38.8%	26.6%	22.7%	18.1%	13.7%
SSP2 - CEPAM Zero Migration	45.9%	46.8%	44.4%	35.8%	32.1%	27.7%	22.8%
SSP2 - CEPAM Medium	45.9%	46.3%	43.4%	34.4%	30.7%	26.4%	21.7%
SSP2 - CEPAM Double Migration	45.9%	45.8%	42.5%	33.2%	29.6%	25.4%	20.9%
SSP3 - Stalled Development	45.9%	47.4%	48.5%	43.4%	40.4%	36.1%	31.8%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	6.4%	13.5%	23.2%	56.8%	71.2%	81.5%	83.9%
SSP2 - CEPAM Zero Migration	6.4%	7.3%	8.5%	12.7%	15.4%	19.9%	28.5%
SSP2 - CEPAM Medium	6.4%	8.0%	9.7%	13.9%	16.7%	21.3%	30.3%
SSP2 - CEPAM Double Migration	6.4%	8.7%	10.7%	14.9%	17.8%	22.5%	31.6%
SSP3 - Stalled Development	6.4%	4.6%	3.1%	2.9%	3.0%	3.0%	3.0%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	7.0	8.0	9.4	12.1	13.1	14.2	15.2
SSP2 - CEPAM Zero Migration	7.0	7.4	8.2	9.8	10.4	11.2	12.1
SSP2 - CEPAM Medium	7.0	7.5	8.4	9.9	10.6	11.3	12.3
SSP2 - CEPAM Double Migration	7.0	7.6	8.5	10.1	10.7	11.5	12.4
SSP3 - Stalled Development	7.0	6.7	6.8	6.9	6.9	6.9	6.9

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	3.90	2.91	2.09	1.53	1.42	1.33	1.23
SSP2 - CEPAM Zero Migration	4.44	3.84	3.07	2.19	1.99	1.83	1.70
SSP2 - CEPAM Medium	4.44	3.83	3.07	2.19	1.99	1.84	1.70
SSP2 - CEPAM Double Migration	4.43	3.82	3.07	2.19	2.00	1.84	1.70
SSP3 - Stalled Development	5.02	4.88	4.25	2.99	2.68	2.47	2.34
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	60.1	62.3	66.0	72.5	75.5	80.0	86.1
SSP2 - CEPAM Zero Migration	59.4	60.5	62.6	66.8	69.0	72.2	76.4
SSP2 - CEPAM Medium	59.5	60.5	62.6	66.9	69.0	72.2	76.5
SSP2 - CEPAM Double Migration	59.5	60.6	62.7	67.0	69.1	72.3	76.5
SSP3 - Stalled Development	58.8	58.9	59.5	60.9	61.6	62.8	64.7
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	24.6	25.3	26.4	27.2	27.0	26.0	23.5
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	24.6	25.3	26.6	27.9	28.1	27.8	26.4
SSP2 - CEPAM Double Migration	49.1	50.1	51.4	51.6	51.0	49.3	45.9
SSP3 - Stalled Development	16.4	8.5	0.0	0.0	0.0	0.1	0.1

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	22.2	22.5	23.8	29.6	32.2	36.1	41.0
Proportion age 65+	2.9%	3.1%	3.5%	8.1%	10.5%	12.5%	18.8%
Proportion RLE < 15 years	2.9%	2.9%	3.0%	4.4%	6.0%	6.9%	10.4%

Eritrea

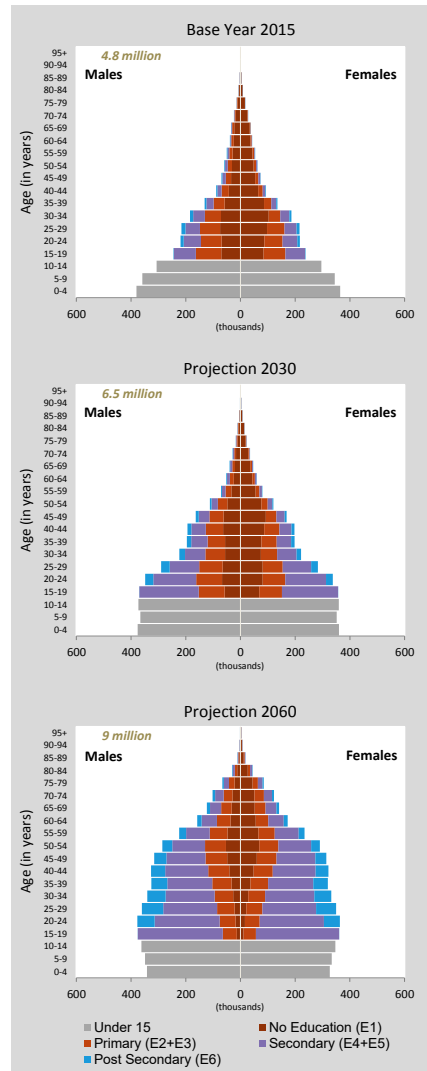
Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	4.85	5.41	6.46	7.48	8.35	8.97
Proportion age 65+	3.7%	3.5%	3.6%	4.0%	6.2%	8.5%
Proportion below age 20	52.3%	51.3%	45.1%	39.4%	35.4%	31.2%
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	3.87	3.37	2.73	2.32	2.07	1.99
Life expectancy at birth (in years)						
Male	63.6	64.5	66.4	68.2	70.1	71.0
Female	68.0	68.9	70.7	72.6	74.4	76.3
Five-year net-migration flow (in thousands)	-43.7	-49.3	-59.7	-69.9	-78.2	-81.4

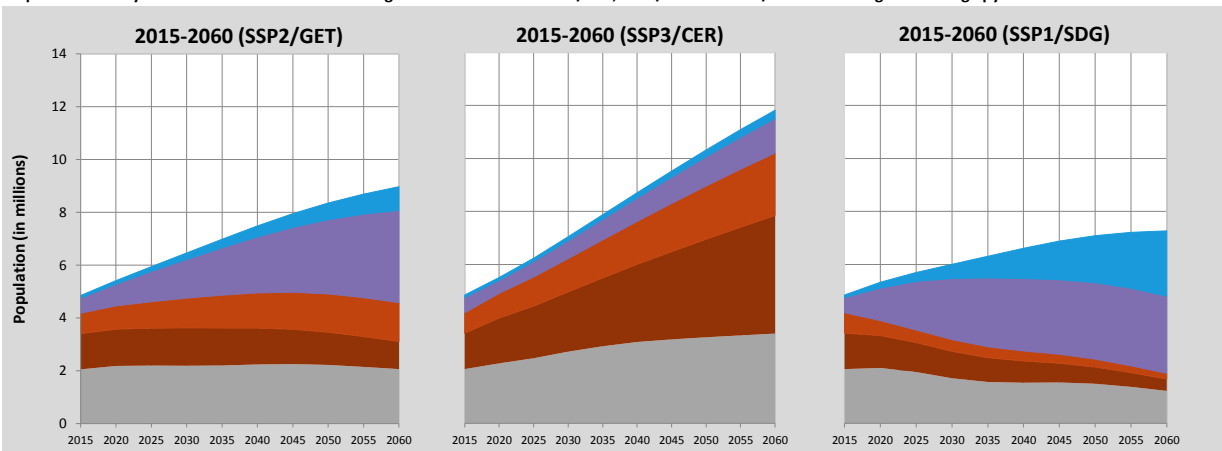
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	55.6%	50.4%	40.5%	31.5%	24.2%	18.2%
E2 - incomplete primary	17.6%	17.7%	16.9%	14.9%	12.9%	10.7%
E3 - primary	6.7%	8.0%	10.2%	11.8%	12.5%	12.5%
E4 - lower secondary	7.3%	8.5%	10.9%	13.3%	14.8%	15.7%
E5 - upper secondary	8.6%	10.5%	14.8%	19.6%	24.2%	28.7%
E6 - post-secondary	4.2%	4.9%	6.7%	9.0%	11.5%	14.3%
Mean years of schooling (in years)	3.3	3.9	5.0	6.3	7.4	8.4
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.71	0.70	0.70	0.71	0.72	0.73
E2 - incomplete primary	1.49	1.40	1.28	1.22	1.17	1.14
E3 - primary	1.60	1.49	1.33	1.20	1.13	1.07
E4 - lower secondary	1.44	1.32	1.15	1.07	1.01	0.98
E5 - upper secondary	1.57	1.43	1.25	1.15	1.10	1.07
E6 - post-secondary	1.78	1.62	1.42	1.27	1.19	1.14
Mean years of schooling (male minus female)	0.7	0.7	0.6	0.5	0.4	0.3
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	43.0%	37.1%	26.6%	19.1%	12.4%	7.3%
E2 - incomplete primary	20.3%	18.9%	14.8%	11.4%	8.6%	6.1%
E3 - primary	9.4%	10.8%	13.2%	13.6%	13.2%	11.9%
E4 - lower secondary	9.9%	11.3%	14.4%	16.3%	16.9%	16.5%
E5 - upper secondary	12.4%	15.6%	22.6%	28.3%	34.1%	39.6%
E6 - post-secondary	5.0%	6.1%	8.4%	11.3%	14.8%	18.6%
Mean years of schooling (in years)	3.8	5.3	8.8	11.3	13.5	15.5

Education scenarios
 SSP2/GET: Global Education Trend Scenario (Medium assumption)
 SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)
 SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

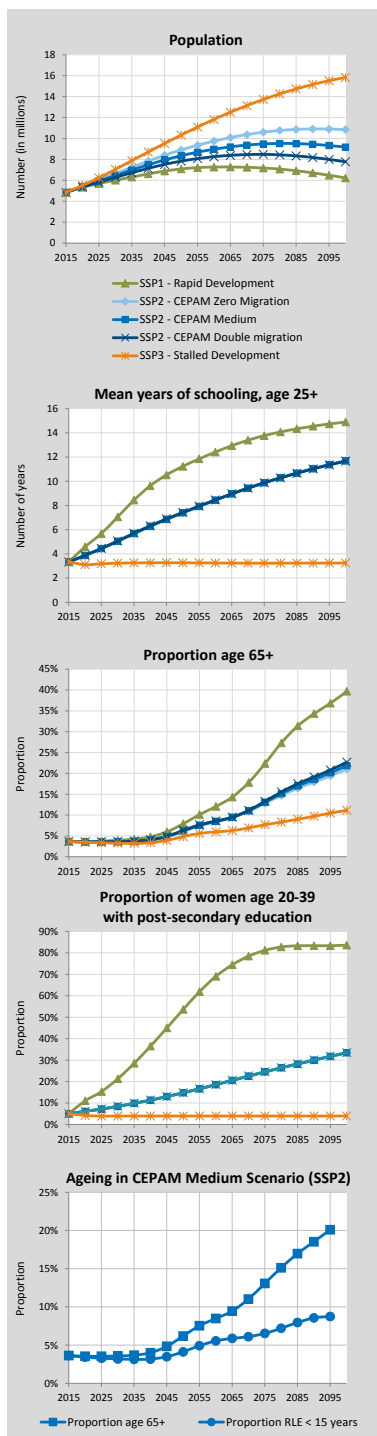
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Eritrea (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	4.85	5.33	6.01	7.09	7.27	7.18	6.23
SSP2 - CEPAM Zero Migration	4.85	5.46	6.65	8.90	9.74	10.60	10.85
SSP2 - CEPAM Medium	4.85	5.41	6.46	8.35	8.97	9.48	9.17
SSP2 - CEPAM Double Migration	4.85	5.36	6.28	7.83	8.26	8.48	7.77
SSP3 - Stalled Development	4.85	5.51	7.05	10.32	11.82	13.73	15.83
Proportion age 65+							
SSP1 - Rapid Development	3.7%	3.6%	3.9%	7.9%	12.1%	22.3%	39.7%
SSP2 - CEPAM Zero Migration	3.7%	3.5%	3.5%	6.1%	8.4%	12.8%	21.0%
SSP2 - CEPAM Medium	3.7%	3.5%	3.6%	6.2%	8.5%	13.1%	21.9%
SSP2 - CEPAM Double Migration	3.7%	3.6%	3.6%	6.3%	8.6%	13.3%	22.7%
SSP3 - Stalled Development	3.7%	3.5%	3.2%	4.8%	6.0%	7.7%	11.1%
Proportion below age 20							
SSP1 - Rapid Development	52.3%	50.5%	40.5%	28.2%	23.8%	18.1%	12.3%
SSP2 - CEPAM Zero Migration	52.3%	51.1%	44.8%	35.0%	30.9%	26.5%	21.2%
SSP2 - CEPAM Medium	52.3%	51.3%	45.1%	35.4%	31.2%	26.6%	21.1%
SSP2 - CEPAM Double Migration	52.3%	51.6%	45.4%	35.8%	31.5%	26.8%	21.0%
SSP3 - Stalled Development	52.3%	52.0%	48.8%	41.4%	37.8%	34.0%	30.3%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	5.0%	11.0%	21.3%	53.6%	69.1%	81.2%	83.6%
SSP2 - CEPAM Zero Migration	5.0%	6.0%	8.4%	14.7%	18.5%	24.5%	33.4%
SSP2 - CEPAM Medium	5.0%	6.1%	8.4%	14.8%	18.6%	24.5%	33.4%
SSP2 - CEPAM Double Migration	5.0%	6.1%	8.5%	14.8%	18.6%	24.6%	33.5%
SSP3 - Stalled Development	5.0%	4.2%	3.9%	3.9%	3.9%	3.9%	3.9%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	3.3	4.6	7.0	11.2	12.4	13.8	14.9
SSP2 - CEPAM Zero Migration	3.3	3.9	5.0	7.4	8.4	9.9	11.7
SSP2 - CEPAM Medium	3.3	3.9	5.0	7.4	8.4	9.9	11.7
SSP2 - CEPAM Double Migration	3.3	3.9	5.1	7.4	8.5	9.9	11.7
SSP3 - Stalled Development	3.3	3.1	3.2	3.3	3.2	3.2	3.2

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	3.43	2.60	1.88	1.53	1.43	1.31	1.18
SSP2 - CEPAM Zero Migration	3.87	3.37	2.73	2.07	1.92	1.76	1.59
SSP2 - CEPAM Medium	3.87	3.37	2.73	2.07	1.92	1.76	1.59
SSP2 - CEPAM Double Migration	3.87	3.36	2.73	2.07	1.92	1.76	1.59
SSP3 - Stalled Development	4.30	4.15	3.64	2.67	2.45	2.29	2.16
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	68.5	70.2	73.3	79.1	82.1	86.7	92.5
SSP2 - CEPAM Zero Migration	68.0	68.9	70.7	74.4	76.3	79.1	82.8
SSP2 - CEPAM Medium	68.0	68.9	70.7	74.4	76.3	79.1	82.8
SSP2 - CEPAM Double Migration	68.0	68.9	70.7	74.5	76.3	79.1	82.8
SSP3 - Stalled Development	67.4	67.6	68.1	69.0	69.4	70.1	71.4
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-43.7	-48.5	-55.2	-65.6	-67.1	-65.7	-58.3
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-43.7	-49.3	-59.7	-78.2	-83.9	-88.2	-85.7
SSP2 - CEPAM Double Migration	-87.4	-97.6	-115.7	-145.7	-153.1	-155.7	-143.9
SSP3 - Stalled Development	-29.1	-16.8	0.0	-0.1	-0.1	-0.1	-0.1

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	18.9	19.4	22.3	28.7	31.8	36.3	42.1
Proportion age 65+	3.7%	3.5%	3.6%	6.2%	8.5%	13.1%	20.1%
Proportion RLE < 15 years	3.5%	3.4%	3.2%	3.8%	5.3%	6.1%	8.3%

Ethiopia

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	99.86	113.05	139.77	164.87	186.89	205.23
Proportion age 65+	3.5%	3.6%	4.0%	5.0%	6.6%	9.2%
Proportion below age 20	53.4%	50.4%	45.1%	39.8%	34.7%	30.6%
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	4.07	3.55	2.86	2.39	2.10	2.02
Life expectancy at birth (in years)						
Male	64.1	64.9	66.6	68.3	70.0	70.8
Female	67.9	68.8	70.5	72.2	73.9	75.7
Five-year net-migration flow (in thousands)	109.7	94.8	59.4	22.3	-11.8	-27.9

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	61.5%	54.9%	44.4%	36.4%	29.0%	22.5%
E2 - incomplete primary	17.1%	19.0%	20.0%	18.9%	17.1%	15.0%
E3 - primary	10.7%	12.4%	15.7%	17.8%	19.1%	19.5%
E4 - lower secondary	3.0%	3.9%	5.9%	8.1%	10.5%	12.6%
E5 - upper secondary	5.9%	7.6%	11.2%	15.2%	19.8%	24.8%
E6 - post-secondary	1.8%	2.2%	2.9%	3.6%	4.5%	5.5%
Mean years of schooling (in years)	2.6	3.1	4.2	5.1	6.1	7.1
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.75	0.76	0.76	0.76	0.77	0.78
E2 - incomplete primary	1.39	1.20	1.09	1.08	1.07	1.06
E3 - primary	1.98	1.76	1.48	1.31	1.22	1.16
E4 - lower secondary	1.49	1.31	1.12	1.06	0.99	0.96
E5 - upper secondary	1.39	1.27	1.12	1.03	0.99	0.95
E6 - post-secondary	2.85	2.52	2.26	2.09	1.99	1.93
Mean years of schooling (male minus female)	0.6	0.6	0.5	0.5	0.4	0.3
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	44.1%	37.9%	31.1%	24.4%	16.8%	10.5%
E2 - incomplete primary	23.4%	23.9%	20.2%	15.7%	12.4%	9.5%
E3 - primary	16.0%	17.4%	19.8%	20.9%	20.8%	19.5%
E4 - lower secondary	5.4%	6.5%	8.8%	12.1%	15.0%	16.8%
E5 - upper secondary	9.1%	11.8%	16.8%	22.6%	29.5%	36.9%
E6 - post-secondary	2.0%	2.5%	3.3%	4.2%	5.5%	6.9%
Mean years of schooling (in years)	3.4	4.1	5.2	6.4	7.7	8.9

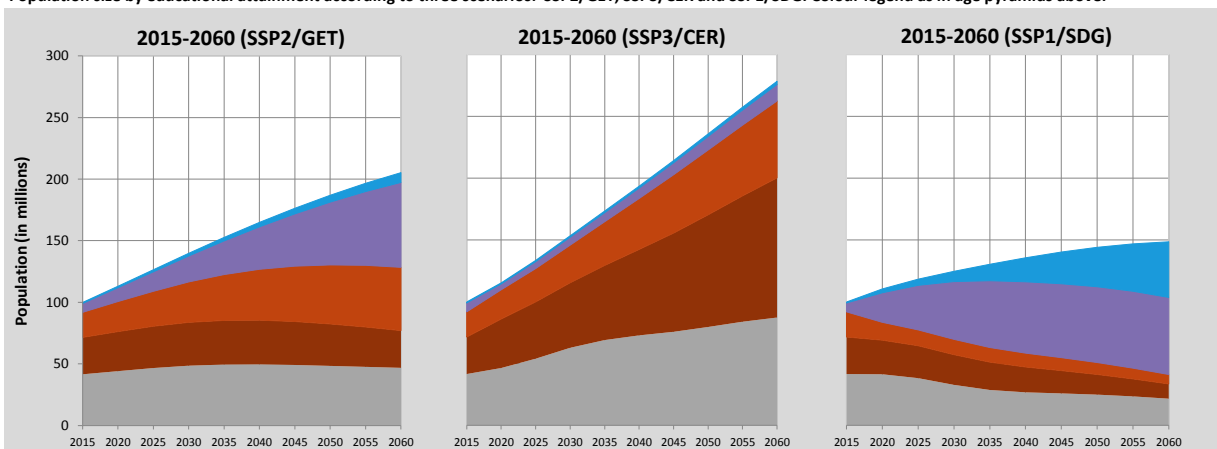
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

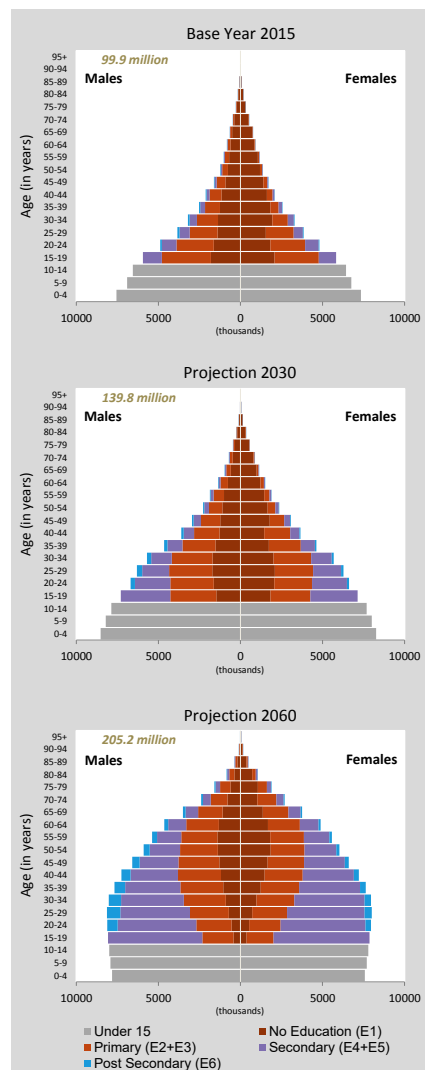
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

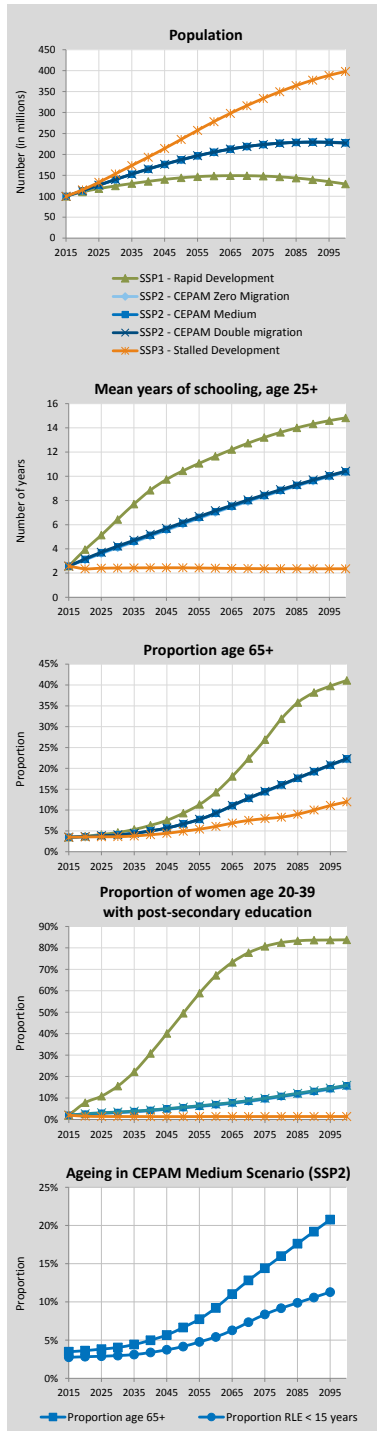
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



Ethiopia (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	99.86	110.39	124.64	144.08	148.54	148.19	129.34
SSP2 - CEPAM Zero Migration	99.86	112.94	139.49	186.45	204.84	223.31	228.22
SSP2 - CEPAM Medium	99.86	113.05	139.77	186.89	205.23	223.47	227.71
SSP2 - CEPAM Double Migration	99.86	113.15	140.03	187.25	205.50	223.42	226.84
SSP3 - Stalled Development	99.86	115.31	153.40	235.78	278.38	333.66	398.11
Proportion age 65+							
SSP1 - Rapid Development	3.5%	3.7%	4.6%	9.2%	14.3%	26.9%	41.1%
SSP2 - CEPAM Zero Migration	3.5%	3.6%	4.0%	6.6%	9.2%	14.3%	22.2%
SSP2 - CEPAM Medium	3.5%	3.6%	4.0%	6.6%	9.2%	14.4%	22.2%
SSP2 - CEPAM Double Migration	3.5%	3.6%	4.0%	6.7%	9.3%	14.5%	22.3%
SSP3 - Stalled Development	3.5%	3.5%	3.6%	4.9%	6.1%	7.9%	11.9%
Proportion below age 20							
SSP1 - Rapid Development	53.4%	49.1%	37.9%	23.4%	20.2%	16.0%	12.5%
SSP2 - CEPAM Zero Migration	53.4%	50.5%	45.1%	34.7%	30.6%	26.2%	21.5%
SSP2 - CEPAM Medium	53.4%	50.4%	45.1%	34.7%	30.6%	26.2%	21.5%
SSP2 - CEPAM Double Migration	53.4%	50.4%	45.0%	34.6%	30.5%	26.2%	21.5%
SSP3 - Stalled Development	53.4%	51.4%	50.3%	43.9%	40.7%	35.8%	30.4%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	2.0%	7.8%	15.6%	49.5%	67.2%	80.7%	83.8%
SSP2 - CEPAM Zero Migration	2.0%	2.4%	3.1%	5.3%	6.7%	9.4%	15.3%
SSP2 - CEPAM Medium	2.0%	2.5%	3.3%	5.5%	6.9%	9.6%	15.6%
SSP2 - CEPAM Double Migration	2.0%	2.7%	3.5%	5.7%	7.1%	9.9%	15.9%
SSP3 - Stalled Development	2.0%	1.5%	1.4%	1.3%	1.4%	1.4%	1.4%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	2.6	3.9	6.4	10.4	11.6	13.2	14.8
SSP2 - CEPAM Zero Migration	2.6	3.1	4.1	6.0	7.0	8.3	10.3
SSP2 - CEPAM Medium	2.6	3.1	4.2	6.1	7.1	8.4	10.4
SSP2 - CEPAM Double Migration	2.6	3.2	4.2	6.2	7.1	8.5	10.4
SSP3 - Stalled Development	2.6	2.4	2.4	2.4	2.4	2.4	2.4

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	3.43	2.40	1.54	1.35	1.36	1.32	1.22
SSP2 - CEPAM Zero Migration	4.07	3.56	2.87	2.11	1.95	1.80	1.65
SSP2 - CEPAM Medium	4.07	3.55	2.86	2.10	1.95	1.80	1.65
SSP2 - CEPAM Double Migration	4.06	3.54	2.86	2.10	1.95	1.80	1.65
SSP3 - Stalled Development	4.64	4.63	4.20	3.12	2.75	2.42	2.21
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	68.4	70.1	73.4	79.1	81.9	86.2	91.8
SSP2 - CEPAM Zero Migration	67.9	68.7	70.5	73.9	75.6	78.2	81.7
SSP2 - CEPAM Medium	67.9	68.8	70.5	73.9	75.7	78.3	81.7
SSP2 - CEPAM Double Migration	67.9	68.8	70.5	74.0	75.7	78.3	81.7
SSP3 - Stalled Development	67.3	67.5	67.9	68.4	68.6	69.0	69.6
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	109.8	100.5	90.4	74.4	67.6	63.5	72.1
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	109.7	94.8	59.4	-11.8	-43.1	-76.9	-92.2
SSP2 - CEPAM Double Migration	219.5	186.8	110.1	-42.3	-108.1	-177.6	-207.0
SSP3 - Stalled Development	73.0	30.5	0.0	-0.1	-0.2	-0.3	-0.3

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	18.6	19.8	22.6	29.0	32.4	37.1	42.1
Proportion age 65+	3.5%	3.6%	4.0%	6.6%	9.2%	14.4%	20.8%
Proportion RLE < 15 years	2.7%	2.8%	3.1%	4.1%	5.3%	8.2%	11.1%

Fiji

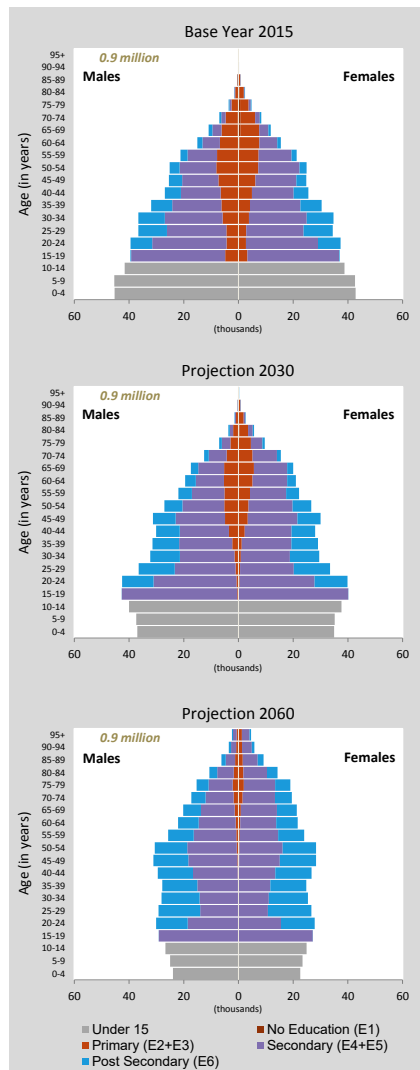
Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	0.89	0.92	0.93	0.93	0.91	0.86
Proportion age 65+	5.8%	7.0%	10.4%	12.8%	16.5%	19.7%
Proportion below age 20	37.3%	36.4%	32.6%	28.9%	26.4%	23.6%
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	2.43	2.25	2.05	1.88	1.75	1.73
Life expectancy at birth (in years)						
Male	67.6	68.7	71.0	73.2	75.5	76.6
Female	73.7	74.8	76.9	79.0	81.0	83.2
Five-year net-migration flow (in thousands)	-27.2	-27.7	-28.0	-27.5	-26.4	-25.7

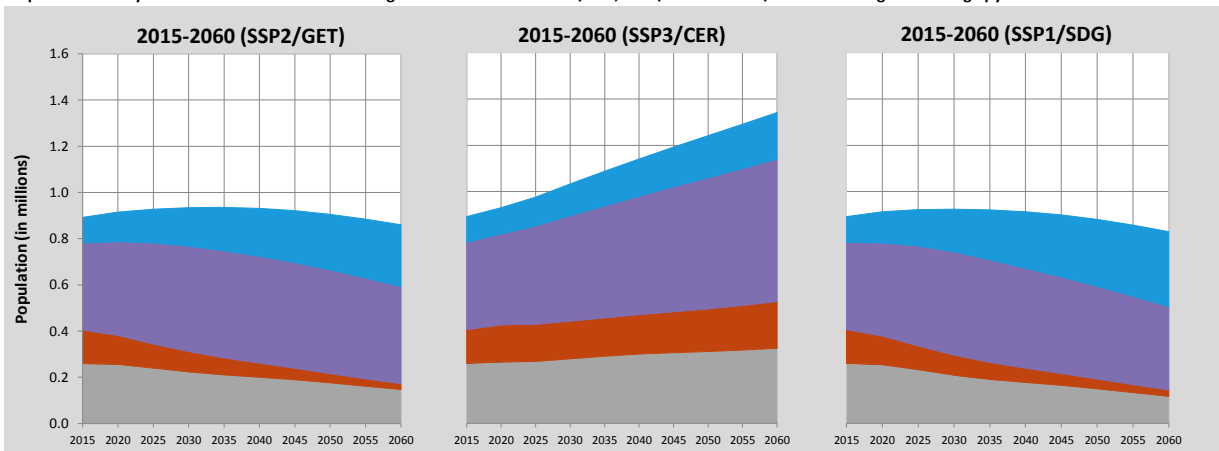
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	0.8%	0.6%	0.3%	0.2%	0.1%	0.1%
E2 - incomplete primary	4.6%	3.6%	2.1%	1.2%	0.7%	0.4%
E3 - primary	22.0%	19.1%	13.6%	9.0%	5.9%	3.7%
E4 - lower secondary	29.1%	28.2%	25.6%	21.5%	17.4%	13.7%
E5 - upper secondary	23.9%	26.8%	32.3%	36.9%	39.9%	41.3%
E6 - post-secondary	19.5%	21.7%	26.2%	31.3%	36.0%	40.7%
Mean years of schooling (in years)	10.9	11.3	12.1	12.9	13.5	13.9
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.31	0.31	0.37	0.54	0.68	0.70
E2 - incomplete primary	0.97	0.97	0.96	0.96	0.96	0.97
E3 - primary	1.10	1.09	1.08	1.06	1.06	1.06
E4 - lower secondary	0.94	0.95	0.97	1.00	1.04	1.08
E5 - upper secondary	0.96	0.97	0.98	1.00	1.01	1.03
E6 - post-secondary	1.08	1.06	1.03	0.99	0.96	0.94
Mean years of schooling (male minus female)	0.0	0.0	0.0	0.0	0.0	-0.1
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	0.0%	0.1%	0.1%	0.1%	0.0%	0.0%
E2 - incomplete primary	1.1%	0.7%	0.1%	0.0%	0.0%	0.0%
E3 - primary	11.2%	8.2%	2.9%	1.2%	0.5%	0.2%
E4 - lower secondary	25.8%	22.5%	16.3%	11.1%	7.1%	4.0%
E5 - upper secondary	36.3%	40.4%	47.4%	48.8%	48.2%	46.1%
E6 - post-secondary	25.6%	28.2%	33.1%	38.8%	44.2%	49.7%
Mean years of schooling (in years)	12.7	13.1	13.8	14.3	14.7	15.0

Education scenarios
 SSP2/GET: Global Education Trend Scenario (Medium assumption)
 SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)
 SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

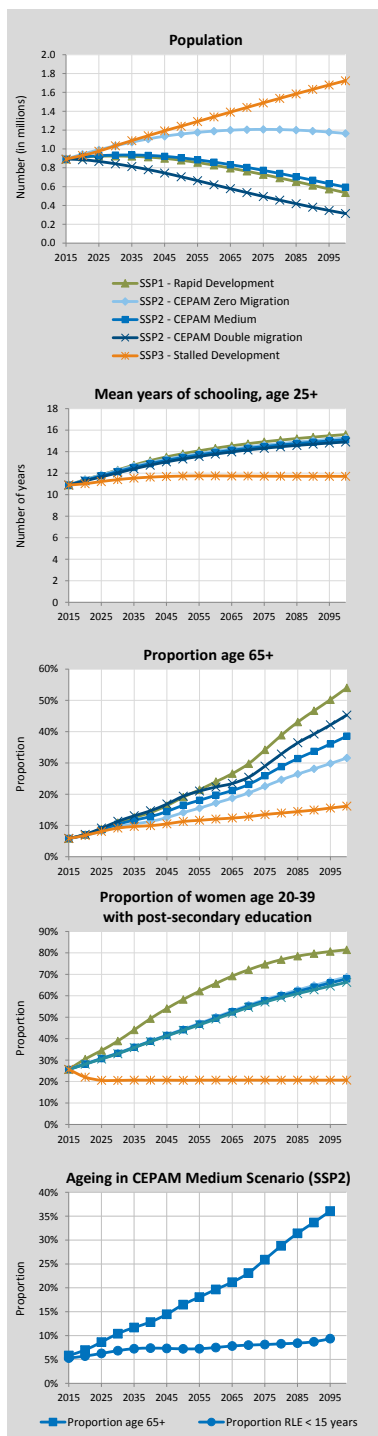
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Fiji (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	0.89	0.91	0.92	0.88	0.83	0.73	0.54
SSP2 - CEPAM Zero Migration	0.89	0.94	1.03	1.16	1.19	1.21	1.16
SSP2 - CEPAM Medium	0.89	0.92	0.93	0.91	0.86	0.77	0.59
SSP2 - CEPAM Double Migration	0.89	0.89	0.84	0.70	0.62	0.50	0.31
SSP3 - Stalled Development	0.89	0.93	1.03	1.24	1.34	1.49	1.72
Proportion age 65+							
SSP1 - Rapid Development	5.8%	7.0%	10.9%	19.1%	24.0%	34.2%	54.0%
SSP2 - CEPAM Zero Migration	5.8%	6.8%	9.6%	14.1%	17.2%	22.5%	31.6%
SSP2 - CEPAM Medium	5.8%	7.0%	10.4%	16.5%	19.7%	25.9%	38.6%
SSP2 - CEPAM Double Migration	5.8%	7.2%	11.3%	19.4%	22.3%	29.0%	45.3%
SSP3 - Stalled Development	5.8%	6.8%	9.2%	11.3%	12.0%	13.5%	16.2%
Proportion below age 20							
SSP1 - Rapid Development	37.3%	36.2%	31.3%	23.3%	19.8%	15.6%	10.1%
SSP2 - CEPAM Zero Migration	37.3%	36.0%	32.3%	26.5%	24.0%	21.3%	17.7%
SSP2 - CEPAM Medium	37.3%	36.4%	32.6%	26.4%	23.6%	20.3%	15.7%
SSP2 - CEPAM Double Migration	37.3%	36.8%	33.0%	26.4%	23.3%	19.4%	13.9%
SSP3 - Stalled Development	37.3%	36.7%	35.1%	33.0%	31.9%	30.8%	29.0%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	25.6%	30.5%	38.9%	58.3%	65.7%	74.7%	81.5%
SSP2 - CEPAM Zero Migration	25.6%	28.3%	33.3%	44.4%	50.0%	58.2%	68.8%
SSP2 - CEPAM Medium	25.6%	28.2%	33.1%	44.2%	49.7%	57.7%	67.9%
SSP2 - CEPAM Double Migration	25.6%	28.1%	32.9%	43.9%	49.2%	57.1%	66.3%
SSP3 - Stalled Development	25.6%	22.1%	20.5%	20.6%	20.7%	20.7%	20.7%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	10.9	11.4	12.3	13.8	14.3	14.9	15.6
SSP2 - CEPAM Zero Migration	10.9	11.4	12.3	13.6	14.1	14.6	15.3
SSP2 - CEPAM Medium	10.9	11.3	12.1	13.5	13.9	14.5	15.1
SSP2 - CEPAM Double Migration	10.9	11.3	12.0	13.3	13.8	14.3	14.9
SSP3 - Stalled Development	10.9	11.0	11.4	11.7	11.7	11.7	11.7

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	2.34	2.09	1.82	1.51	1.47	1.43	1.37
SSP2 - CEPAM Zero Migration	2.43	2.25	2.05	1.75	1.71	1.65	1.57
SSP2 - CEPAM Medium	2.43	2.25	2.05	1.75	1.71	1.65	1.57
SSP2 - CEPAM Double Migration	2.43	2.25	2.05	1.75	1.71	1.65	1.57
SSP3 - Stalled Development	2.63	2.65	2.63	2.43	2.40	2.36	2.27
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	74.2	75.8	78.8	85.1	88.2	92.9	99.1
SSP2 - CEPAM Zero Migration	73.7	74.8	76.9	81.1	83.2	86.3	90.5
SSP2 - CEPAM Medium	73.7	74.8	76.9	81.0	83.2	86.3	90.5
SSP2 - CEPAM Double Migration	73.7	74.8	76.9	81.0	83.1	86.3	90.5
SSP3 - Stalled Development	73.2	73.6	74.6	76.5	77.5	79.0	81.1
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-27.2	-27.7	-27.8	-26.0	-24.2	-20.9	-15.9
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-27.2	-27.7	-28.0	-26.4	-24.8	-21.7	-17.1
SSP2 - CEPAM Double Migration	-54.3	-53.4	-49.8	-39.7	-33.8	-25.5	-15.8
SSP3 - Stalled Development	-18.1	-9.4	0.0	0.0	0.0	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	27.6	28.6	30.8	37.0	40.6	45.8	53.5
Proportion age 65+	5.8%	7.0%	10.4%	16.5%	19.7%	25.9%	36.1%
Proportion RLE < 15 years	4.5%	4.9%	6.1%	7.5%	7.9%	8.9%	10.1%

French Guiana

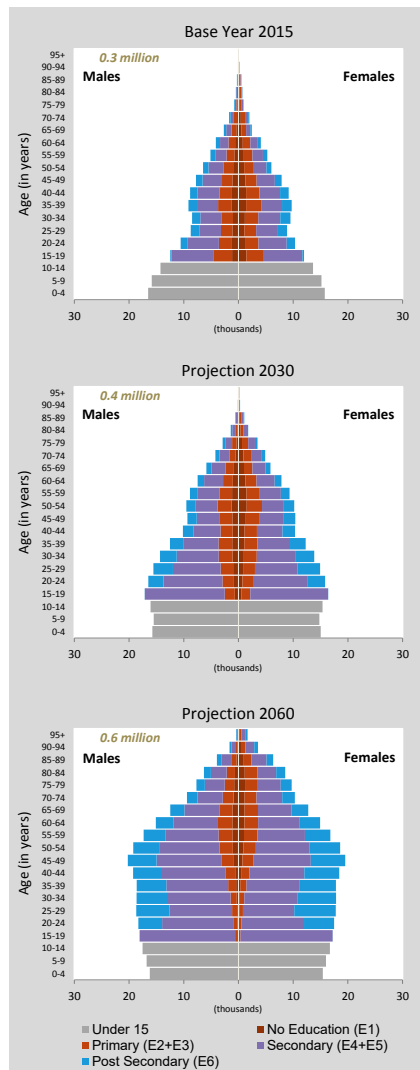
Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	0.27	0.30	0.37	0.44	0.50	0.55
Proportion age 65+	4.8%	6.0%	8.9%	12.2%	14.7%	17.1%
Proportion below age 20	43.0%	40.6%	34.3%	29.7%	27.3%	24.2%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	2.99	2.61	2.21	1.97	1.84	1.80
Life expectancy at birth (in years)						
Male	77.3	78.3	80.2	82.2	84.2	85.2
Female	83.3	84.3	86.2	88.1	90.0	91.9
Five-year net-migration flow (in thousands)	7.3	7.6	8.2	8.6	8.9	9.0

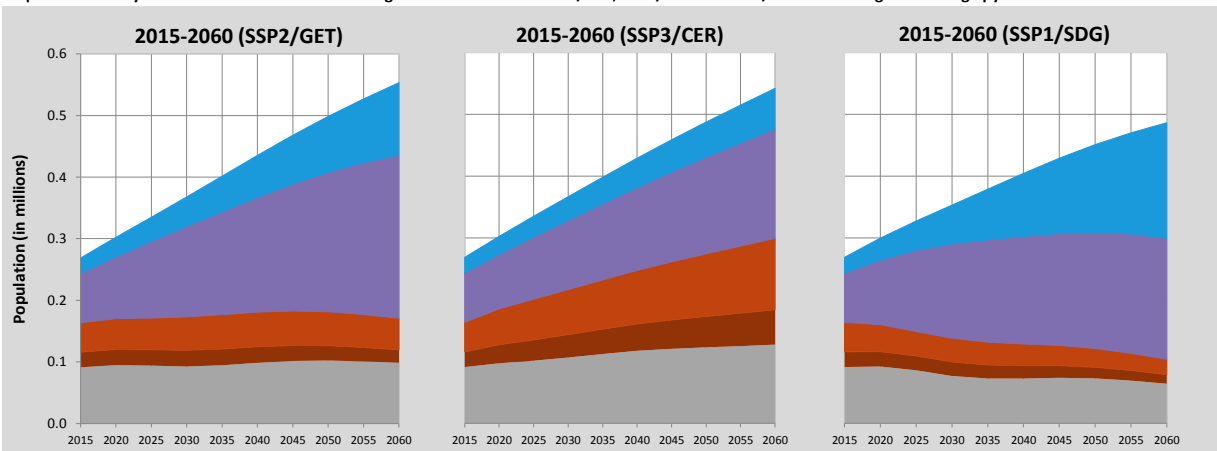
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	14.8%	13.7%	11.3%	9.0%	7.1%	5.4%
E2 - incomplete primary	5.6%	5.0%	3.8%	2.8%	2.1%	1.6%
E3 - primary	21.9%	20.9%	18.5%	16.0%	13.6%	11.3%
E4 - lower secondary	12.8%	13.1%	13.4%	13.4%	13.1%	12.4%
E5 - upper secondary	28.1%	29.6%	33.0%	36.2%	38.9%	41.3%
E6 - post-secondary	16.7%	17.8%	20.0%	22.6%	25.1%	28.0%
Mean years of schooling (in years)	8.3	8.6	9.2	9.8	10.3	10.8
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.86	0.87	0.88	0.88	0.88	0.88
E2 - incomplete primary	0.98	0.99	1.00	1.00	0.99	0.97
E3 - primary	0.94	0.95	0.95	0.96	0.97	0.98
E4 - lower secondary	0.99	1.01	1.05	1.08	1.10	1.12
E5 - upper secondary	1.14	1.12	1.10	1.10	1.10	1.11
E6 - post-secondary	1.01	0.98	0.93	0.89	0.86	0.84
Mean years of schooling (male minus female)	0.2	0.2	0.1	0.1	0.0	0.0
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	12.5%	10.2%	6.6%	4.4%	2.5%	1.3%
E2 - incomplete primary	3.0%	2.6%	1.6%	1.0%	0.6%	0.3%
E3 - primary	22.1%	18.7%	14.2%	10.5%	7.4%	4.8%
E4 - lower secondary	14.4%	14.2%	13.7%	13.0%	11.5%	9.5%
E5 - upper secondary	31.1%	35.4%	41.8%	45.4%	48.7%	50.8%
E6 - post-secondary	17.0%	18.9%	22.2%	25.7%	29.3%	33.3%
Mean years of schooling (in years)	8.8	9.4	10.4	11.1	11.7	12.2

Education scenarios
 SSP2/GET: Global Education Trend Scenario (Medium assumption)
 SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)
 SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

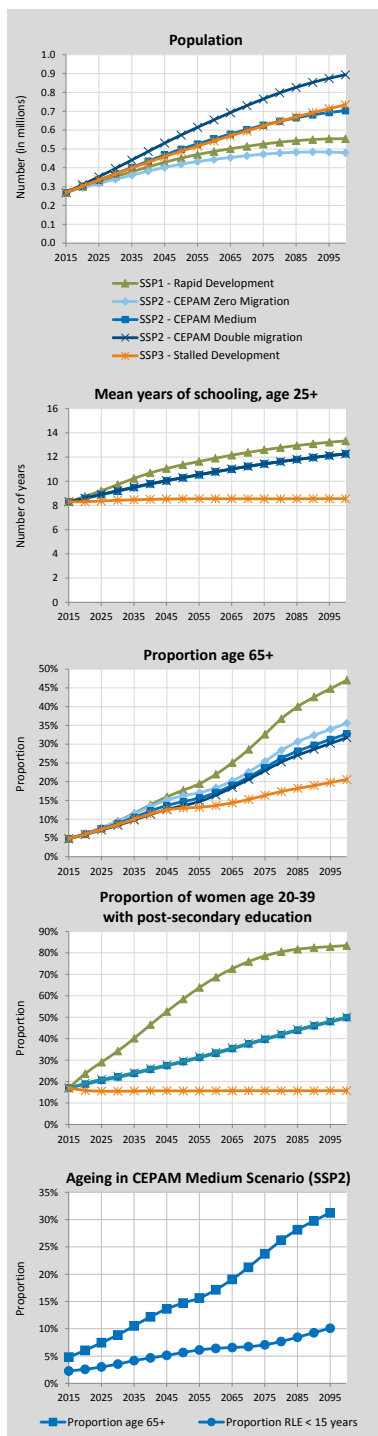
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



French Guiana (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	0.27	0.30	0.35	0.45	0.49	0.53	0.55
SSP2 - CEPAM Zero Migration	0.27	0.29	0.34	0.42	0.44	0.47	0.48
SSP2 - CEPAM Medium	0.27	0.30	0.37	0.50	0.55	0.63	0.70
SSP2 - CEPAM Double Migration	0.27	0.31	0.40	0.57	0.65	0.77	0.89
SSP3 - Stalled Development	0.27	0.30	0.37	0.49	0.54	0.62	0.73
Proportion age 65+							
SSP1 - Rapid Development	4.8%	6.1%	9.5%	17.7%	22.0%	32.6%	47.0%
SSP2 - CEPAM Zero Migration	4.8%	6.2%	9.4%	16.3%	18.4%	25.4%	35.6%
SSP2 - CEPAM Medium	4.8%	6.0%	8.9%	14.7%	17.1%	23.7%	32.8%
SSP2 - CEPAM Double Migration	4.8%	5.9%	8.4%	13.6%	16.4%	22.9%	31.7%
SSP3 - Stalled Development	4.8%	6.0%	8.6%	13.0%	13.7%	16.4%	20.5%
Proportion below age 20							
SSP1 - Rapid Development	43.0%	40.1%	31.2%	21.7%	18.4%	14.4%	10.7%
SSP2 - CEPAM Zero Migration	43.0%	41.0%	34.4%	27.3%	24.1%	20.5%	16.5%
SSP2 - CEPAM Medium	43.0%	40.6%	34.3%	27.3%	24.2%	20.9%	17.2%
SSP2 - CEPAM Double Migration	43.0%	40.2%	34.1%	27.2%	24.2%	21.2%	17.5%
SSP3 - Stalled Development	43.0%	41.4%	38.0%	33.3%	31.1%	29.0%	26.5%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	17.0%	23.7%	34.2%	58.5%	68.7%	78.6%	83.4%
SSP2 - CEPAM Zero Migration	17.0%	18.5%	21.8%	29.0%	33.0%	39.5%	49.6%
SSP2 - CEPAM Medium	17.0%	18.9%	22.2%	29.3%	33.3%	39.7%	49.9%
SSP2 - CEPAM Double Migration	17.0%	19.2%	22.5%	29.6%	33.6%	40.0%	50.1%
SSP3 - Stalled Development	17.0%	15.9%	15.5%	15.6%	15.7%	15.7%	15.7%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	8.3	8.8	9.7	11.4	11.9	12.6	13.3
SSP2 - CEPAM Zero Migration	8.3	8.6	9.2	10.3	10.8	11.4	12.3
SSP2 - CEPAM Medium	8.3	8.6	9.2	10.3	10.8	11.4	12.3
SSP2 - CEPAM Double Migration	8.3	8.6	9.2	10.3	10.8	11.4	12.3
SSP3 - Stalled Development	8.3	8.3	8.4	8.5	8.6	8.5	8.6

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	2.73	2.16	1.63	1.34	1.28	1.23	1.16
SSP2 - CEPAM Zero Migration	2.99	2.61	2.21	1.84	1.76	1.67	1.57
SSP2 - CEPAM Medium	2.99	2.61	2.21	1.84	1.76	1.67	1.58
SSP2 - CEPAM Double Migration	2.99	2.61	2.21	1.84	1.76	1.67	1.58
SSP3 - Stalled Development	3.31	3.19	2.94	2.48	2.38	2.32	2.25
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	83.8	85.4	88.3	94.1	96.9	101.3	107.3
SSP2 - CEPAM Zero Migration	83.3	84.3	86.2	90.0	91.9	94.8	98.6
SSP2 - CEPAM Medium	83.3	84.3	86.2	90.0	91.9	94.8	98.6
SSP2 - CEPAM Double Migration	83.3	84.3	86.2	90.0	91.9	94.8	98.6
SSP3 - Stalled Development	82.8	83.3	84.1	85.8	86.6	87.6	89.1
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	7.3	7.6	8.0	8.3	8.2	7.8	6.9
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	7.3	7.6	8.2	8.9	9.0	9.0	8.5
SSP2 - CEPAM Double Migration	14.5	15.0	15.9	16.6	16.5	15.9	14.5
SSP3 - Stalled Development	4.9	2.6	0.0	0.0	0.0	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	24.5	25.7	29.2	36.4	39.7	43.8	49.4
Proportion age 65+	4.8%	6.0%	8.9%	14.7%	17.1%	23.7%	31.2%
Proportion RLE < 15 years	1.9%	2.1%	2.9%	5.2%	6.4%	6.8%	9.5%

French Polynesia

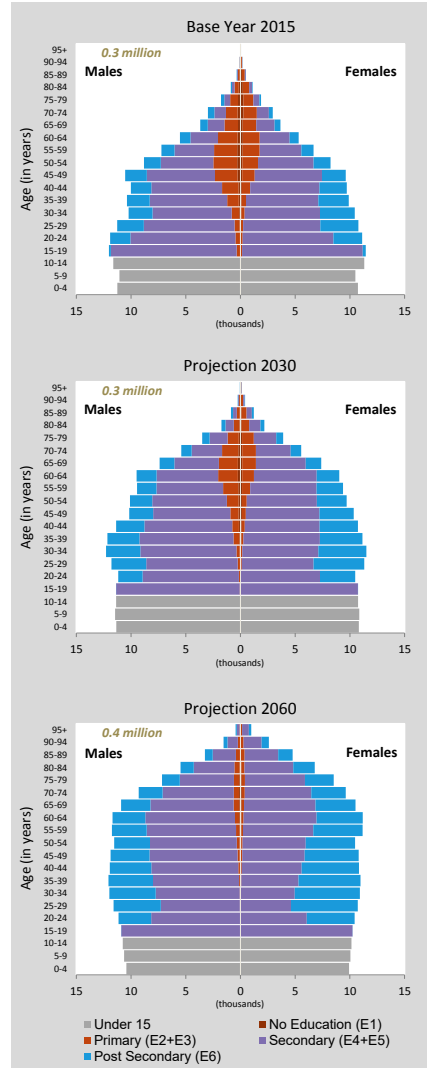
Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	0.28	0.29	0.32	0.34	0.36	0.37
Proportion age 65+	7.2%	8.7%	12.5%	16.5%	19.3%	22.2%
Proportion below age 20	32.4%	30.2%	27.7%	25.7%	23.8%	22.6%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	2.05	2.02	1.98	1.94	1.90	1.89
Life expectancy at birth (in years)						
Male	74.9	75.8	77.6	79.5	81.3	82.2
Female	79.4	80.4	82.3	84.2	86.1	88.0
Five-year net-migration flow (in thousands)	0.9	0.9	1.1	1.2	1.3	1.4

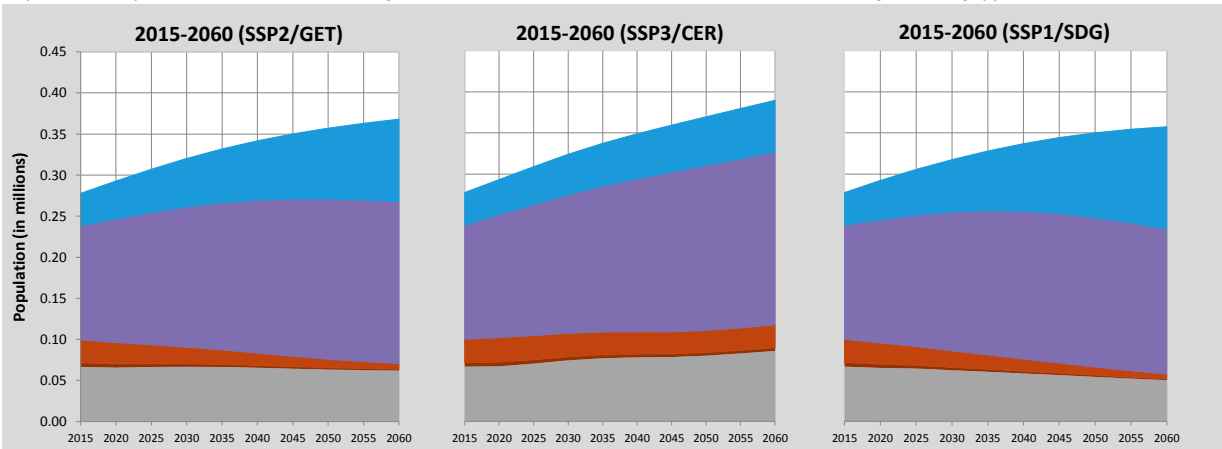
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	2.9%	2.4%	1.7%	1.2%	0.9%	0.7%
E2 - incomplete primary	3.5%	2.8%	1.8%	1.1%	0.7%	0.5%
E3 - primary	13.0%	11.1%	7.8%	5.3%	3.3%	2.0%
E4 - lower secondary	20.3%	19.9%	18.4%	16.5%	14.1%	11.5%
E5 - upper secondary	39.2%	41.2%	44.8%	47.4%	49.1%	49.9%
E6 - post-secondary	21.1%	22.6%	25.5%	28.5%	31.8%	35.3%
Mean years of schooling (in years)	10.3	10.6	11.1	11.5	11.8	12.1
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	1.13	1.15	1.19	1.19	1.13	1.06
E2 - incomplete primary	1.19	1.23	1.35	1.45	1.50	1.50
E3 - primary	1.31	1.33	1.40	1.46	1.53	1.59
E4 - lower secondary	1.06	1.11	1.20	1.28	1.38	1.49
E5 - upper secondary	0.96	0.98	1.01	1.05	1.10	1.16
E6 - post-secondary	0.82	0.80	0.75	0.72	0.70	0.69
Mean years of schooling (male minus female)	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	0.7%	0.7%	0.4%	0.3%	0.2%	0.1%
E2 - incomplete primary	0.5%	0.5%	0.3%	0.2%	0.1%	0.1%
E3 - primary	3.9%	2.9%	1.4%	0.7%	0.4%	0.3%
E4 - lower secondary	19.5%	17.4%	13.1%	9.5%	6.6%	4.4%
E5 - upper secondary	51.5%	52.5%	54.7%	55.5%	54.8%	53.1%
E6 - post-secondary	24.0%	26.0%	30.0%	33.8%	37.9%	42.0%
Mean years of schooling (in years)	11.9	12.0	12.3	12.5	12.7	12.9

Education scenarios
 SSP2/GET: Global Education Trend Scenario (Medium assumption)
 SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)
 SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

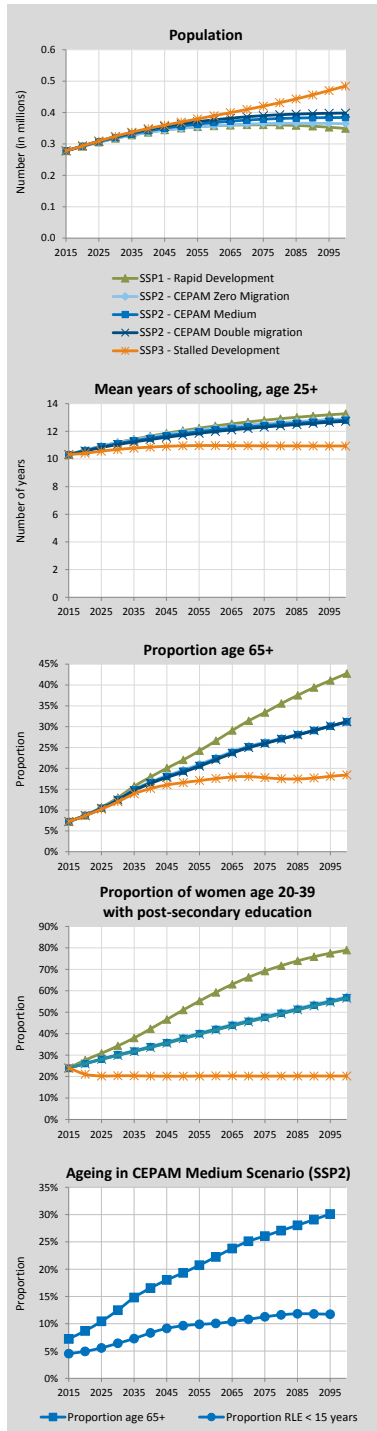
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



French Polynesia (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	0.28	0.29	0.32	0.35	0.36	0.36	0.35
SSP2 - CEPAM Zero Migration	0.28	0.29	0.32	0.35	0.36	0.36	0.36
SSP2 - CEPAM Medium	0.28	0.29	0.32	0.36	0.37	0.38	0.38
SSP2 - CEPAM Double Migration	0.28	0.29	0.32	0.36	0.38	0.39	0.40
SSP3 - Stalled Development	0.28	0.29	0.32	0.37	0.39	0.42	0.48
Proportion age 65+							
SSP1 - Rapid Development	7.2%	8.8%	13.0%	22.0%	26.6%	33.4%	42.8%
SSP2 - CEPAM Zero Migration	7.2%	8.7%	12.6%	19.6%	22.5%	26.3%	31.2%
SSP2 - CEPAM Medium	7.2%	8.7%	12.5%	19.3%	22.2%	26.1%	31.1%
SSP2 - CEPAM Double Migration	7.2%	8.7%	12.4%	19.1%	22.1%	26.0%	31.2%
SSP3 - Stalled Development	7.2%	8.6%	12.0%	16.6%	17.5%	17.8%	18.4%
Proportion below age 20							
SSP1 - Rapid Development	32.4%	30.0%	26.5%	21.0%	19.1%	16.9%	14.2%
SSP2 - CEPAM Zero Migration	32.4%	30.3%	27.8%	24.1%	22.9%	21.5%	19.7%
SSP2 - CEPAM Medium	32.4%	30.2%	27.7%	23.8%	22.6%	21.1%	19.3%
SSP2 - CEPAM Double Migration	32.4%	30.2%	27.6%	23.6%	22.3%	20.9%	19.0%
SSP3 - Stalled Development	32.4%	30.6%	29.6%	28.6%	28.7%	28.8%	28.6%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	24.0%	27.7%	34.3%	51.1%	59.3%	69.2%	79.0%
SSP2 - CEPAM Zero Migration	24.0%	26.1%	30.2%	38.2%	42.4%	48.0%	57.2%
SSP2 - CEPAM Medium	24.0%	26.0%	30.0%	37.9%	42.0%	47.6%	56.8%
SSP2 - CEPAM Double Migration	24.0%	26.0%	29.9%	37.6%	41.7%	47.4%	56.5%
SSP3 - Stalled Development	24.0%	21.1%	20.4%	20.2%	20.3%	20.2%	20.2%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	10.3	10.6	11.2	12.0	12.4	12.8	13.3
SSP2 - CEPAM Zero Migration	10.3	10.6	11.2	11.9	12.2	12.5	12.9
SSP2 - CEPAM Medium	10.3	10.6	11.1	11.8	12.1	12.4	12.8
SSP2 - CEPAM Double Migration	10.3	10.6	11.0	11.7	12.0	12.3	12.7
SSP3 - Stalled Development	10.3	10.4	10.7	11.0	11.0	10.9	10.9

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.98	1.88	1.76	1.65	1.63	1.62	1.61
SSP2 - CEPAM Zero Migration	2.05	2.02	1.98	1.90	1.88	1.87	1.85
SSP2 - CEPAM Medium	2.05	2.02	1.98	1.90	1.88	1.87	1.85
SSP2 - CEPAM Double Migration	2.05	2.02	1.98	1.90	1.88	1.87	1.85
SSP3 - Stalled Development	2.17	2.26	2.37	2.39	2.39	2.40	2.41
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	79.9	81.3	84.3	90.1	93.0	97.3	103.1
SSP2 - CEPAM Zero Migration	79.4	80.4	82.3	86.1	88.1	90.9	94.7
SSP2 - CEPAM Medium	79.4	80.4	82.3	86.1	88.0	90.9	94.7
SSP2 - CEPAM Double Migration	79.4	80.3	82.3	86.1	88.0	90.8	94.6
SSP3 - Stalled Development	78.9	79.3	80.3	82.0	82.8	84.0	85.7
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	0.9	0.9	1.0	1.0	1.0	0.9	0.6
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	0.9	0.9	1.1	1.3	1.4	1.4	1.3
SSP2 - CEPAM Double Migration	1.7	1.8	2.0	2.3	2.4	2.4	2.1
SSP3 - Stalled Development	0.6	0.3	0.0	0.0	0.0	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	30.9	32.5	35.6	40.7	42.4	45.0	47.9
Proportion age 65+	7.2%	8.7%	12.5%	19.3%	22.2%	26.1%	30.1%
Proportion RLE < 15 years	4.1%	4.5%	5.7%	9.3%	10.0%	11.1%	11.6%

Gabon

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	1.93	2.15	2.52	2.86	3.15	3.35
Proportion age 65+	4.5%	4.4%	5.1%	7.3%	10.3%	13.1%
Proportion below age 20	45.2%	44.2%	39.6%	32.9%	29.7%	27.0%
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	3.44	2.88	2.33	2.01	1.85	1.80
Life expectancy at birth (in years)						
Male	65.1	65.9	67.7	69.4	71.1	72.0
Female	68.4	69.3	71.1	72.9	74.6	76.4
Five-year net-migration flow (in thousands)	22.1	22.0	22.2	22.3	22.1	22.0

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	10.4%	8.0%	5.0%	3.3%	2.3%	1.6%
E2 - incomplete primary	13.6%	11.8%	8.3%	5.5%	3.6%	2.3%
E3 - primary	32.3%	30.7%	27.3%	22.7%	18.2%	14.2%
E4 - lower secondary	23.1%	24.7%	27.6%	29.4%	29.6%	28.8%
E5 - upper secondary	8.5%	10.6%	14.4%	18.6%	22.6%	26.3%
E6 - post-secondary	12.1%	14.2%	17.4%	20.5%	23.6%	26.7%
Mean years of schooling (in years)	8.3	8.8	9.6	10.2	10.7	11.2
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.74	0.85	1.18	1.49	1.61	1.65
E2 - incomplete primary	0.61	0.62	0.65	0.70	0.78	0.86
E3 - primary	0.89	0.86	0.84	0.84	0.86	0.87
E4 - lower secondary	1.25	1.15	1.02	0.94	0.91	0.88
E5 - upper secondary	1.42	1.36	1.26	1.18	1.14	1.11
E6 - post-secondary	1.57	1.41	1.25	1.16	1.12	1.10
Mean years of schooling (male minus female)	0.7	0.6	0.3	0.2	0.2	0.1
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	4.3%	3.1%	1.4%	0.9%	0.5%	0.3%
E2 - incomplete primary	9.6%	7.2%	2.9%	1.1%	0.5%	0.2%
E3 - primary	34.9%	29.0%	20.3%	13.9%	9.3%	5.3%
E4 - lower secondary	27.8%	29.4%	32.7%	32.4%	29.7%	25.0%
E5 - upper secondary	11.7%	16.1%	22.7%	28.1%	32.7%	37.8%
E6 - post-secondary	11.6%	15.2%	20.0%	23.6%	27.4%	31.3%
Mean years of schooling (in years)	8.9	9.6	10.4	11.0	11.6	12.2

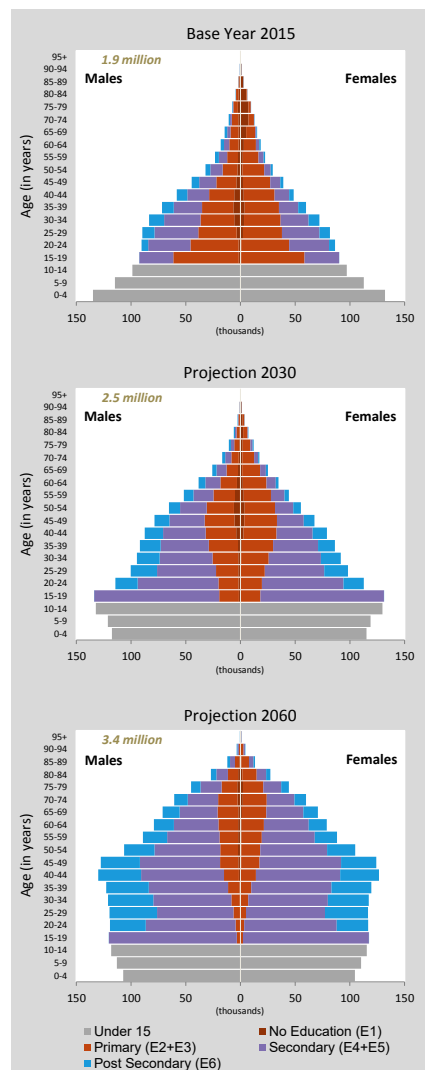
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

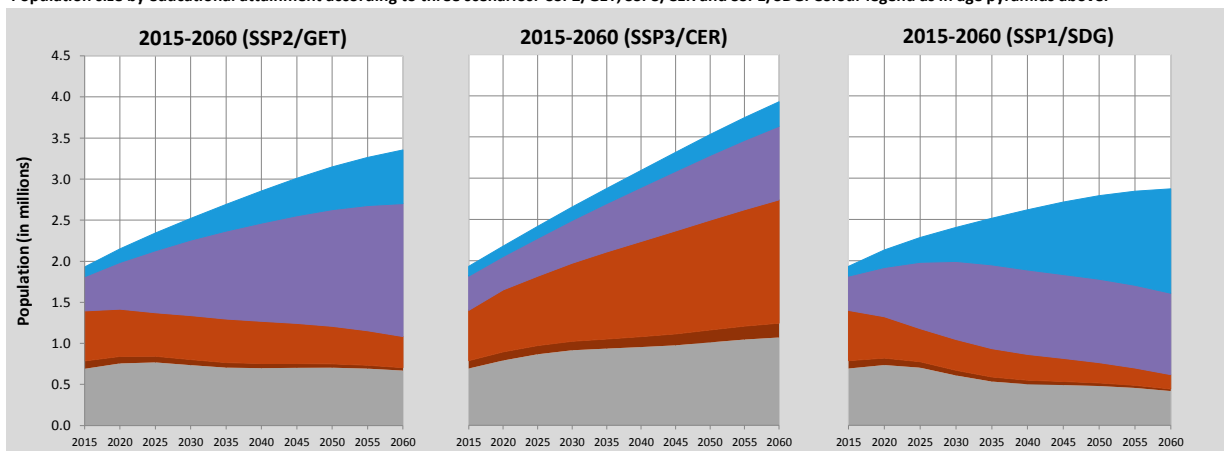
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

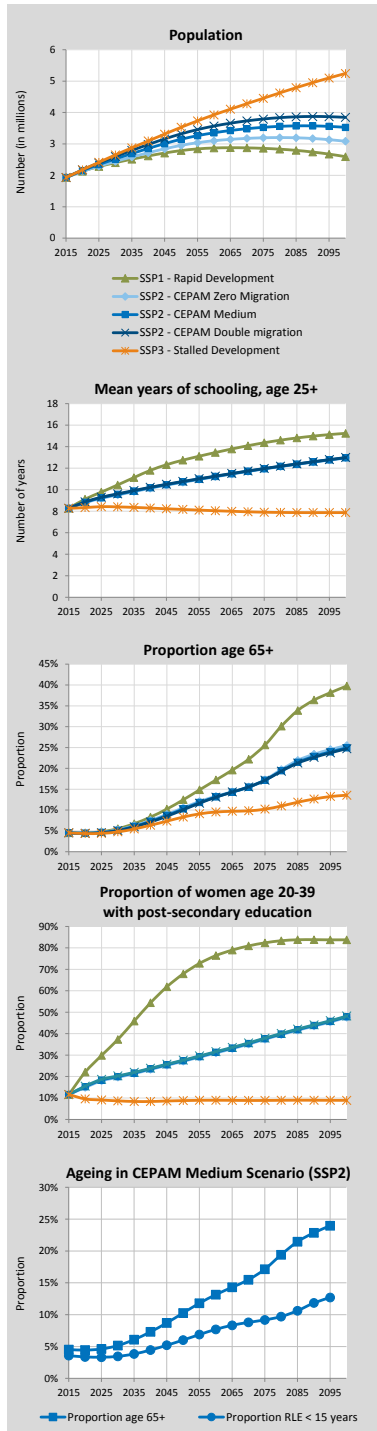
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Gabon (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	1.93	2.13	2.40	2.79	2.87	2.86	2.60
SSP2 - CEPAM Zero Migration	1.93	2.13	2.44	2.95	3.10	3.20	3.09
SSP2 - CEPAM Medium	1.93	2.15	2.52	3.15	3.35	3.53	3.53
SSP2 - CEPAM Double Migration	1.93	2.17	2.60	3.32	3.57	3.79	3.85
SSP3 - Stalled Development	1.93	2.18	2.65	3.53	3.93	4.45	5.24
Proportion age 65+							
SSP1 - Rapid Development	4.5%	4.5%	5.5%	12.5%	17.2%	25.6%	39.8%
SSP2 - CEPAM Zero Migration	4.5%	4.5%	5.2%	10.5%	13.3%	17.3%	25.5%
SSP2 - CEPAM Medium	4.5%	4.4%	5.1%	10.3%	13.1%	17.1%	24.9%
SSP2 - CEPAM Double Migration	4.5%	4.4%	5.1%	10.1%	13.1%	17.1%	24.7%
SSP3 - Stalled Development	4.5%	4.4%	4.8%	8.3%	9.5%	10.2%	13.6%
Proportion below age 20							
SSP1 - Rapid Development	45.2%	43.6%	36.3%	23.1%	20.2%	15.5%	12.0%
SSP2 - CEPAM Zero Migration	45.2%	44.5%	40.0%	30.0%	27.3%	23.4%	19.9%
SSP2 - CEPAM Medium	45.2%	44.2%	39.6%	29.7%	27.0%	23.3%	19.9%
SSP2 - CEPAM Double Migration	45.2%	44.0%	39.4%	29.5%	26.8%	23.2%	19.9%
SSP3 - Stalled Development	45.2%	45.2%	44.3%	37.3%	35.6%	33.2%	31.5%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	11.6%	22.0%	37.3%	67.9%	76.4%	82.4%	83.8%
SSP2 - CEPAM Zero Migration	11.6%	14.9%	19.7%	27.1%	31.0%	37.4%	47.6%
SSP2 - CEPAM Medium	11.6%	15.2%	20.0%	27.4%	31.3%	37.7%	47.9%
SSP2 - CEPAM Double Migration	11.6%	15.6%	20.3%	27.7%	31.6%	38.0%	48.2%
SSP3 - Stalled Development	11.6%	9.6%	8.7%	8.8%	9.0%	8.9%	8.9%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	8.3	9.1	10.4	12.7	13.5	14.4	15.2
SSP2 - CEPAM Zero Migration	8.3	8.8	9.5	10.7	11.2	11.9	12.9
SSP2 - CEPAM Medium	8.3	8.8	9.6	10.7	11.2	12.0	13.0
SSP2 - CEPAM Double Migration	8.3	8.9	9.6	10.8	11.3	12.0	13.0
SSP3 - Stalled Development	8.3	8.3	8.4	8.2	8.0	7.9	7.9

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	3.13	2.34	1.67	1.29	1.24	1.20	1.14
SSP2 - CEPAM Zero Migration	3.44	2.88	2.33	1.85	1.77	1.68	1.58
SSP2 - CEPAM Medium	3.44	2.88	2.33	1.85	1.77	1.68	1.58
SSP2 - CEPAM Double Migration	3.43	2.88	2.33	1.85	1.76	1.68	1.58
SSP3 - Stalled Development	3.88	3.69	3.26	2.61	2.51	2.47	2.42
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	68.9	70.5	73.5	79.2	81.9	86.2	91.9
SSP2 - CEPAM Zero Migration	68.4	69.3	71.0	74.6	76.4	79.1	82.7
SSP2 - CEPAM Medium	68.4	69.3	71.1	74.6	76.4	79.1	82.7
SSP2 - CEPAM Double Migration	68.4	69.3	71.1	74.7	76.4	79.1	82.7
SSP3 - Stalled Development	67.8	67.9	68.3	69.2	69.7	70.6	71.9
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	22.1	22.1	22.2	22.1	21.8	21.1	19.4
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	22.1	22.0	22.2	22.1	22.0	21.7	21.0
SSP2 - CEPAM Double Migration	44.2	43.1	41.5	37.5	35.8	33.5	30.7
SSP3 - Stalled Development	14.7	7.4	0.0	0.0	0.1	0.1	0.1

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	22.6	23.4	25.9	33.0	36.3	39.9	44.4
Proportion age 65+	4.5%	4.4%	5.1%	10.3%	13.1%	17.1%	24.0%
Proportion RLE < 15 years	3.8%	3.5%	3.4%	5.4%	7.1%	8.9%	12.5%

Gambia

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	1.98	2.27	2.80	3.31	3.76	4.10
Proportion age 65+	2.3%	2.4%	2.9%	3.7%	5.3%	7.4%
Proportion below age 20	56.5%	54.7%	48.3%	40.8%	36.1%	31.6%
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	4.82	4.01	3.11	2.48	2.12	2.01
Life expectancy at birth (in years)						
Male	60.2	61.2	63.2	65.2	67.3	68.3
Female	62.9	64.1	66.2	68.4	70.6	72.8
Five-year net-migration flow (in thousands)	-0.5	-2.5	-6.1	-9.8	-13.1	-14.4

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	64.0%	55.8%	41.5%	31.0%	22.9%	16.6%
E2 - incomplete primary	4.5%	5.2%	6.7%	7.3%	7.3%	6.9%
E3 - primary	6.5%	7.9%	11.3%	12.3%	12.6%	12.3%
E4 - lower secondary	9.8%	12.1%	14.7%	16.6%	18.1%	18.8%
E5 - upper secondary	10.4%	13.4%	18.5%	23.7%	28.5%	33.0%
E6 - post-secondary	4.7%	5.7%	7.3%	9.0%	10.6%	12.5%
Mean years of schooling (in years)	3.6	4.4	5.8	7.0	8.0	8.8
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.76	0.73	0.68	0.60	0.55	0.51
E2 - incomplete primary	0.87	0.91	0.77	0.69	0.63	0.57
E3 - primary	1.12	1.13	0.90	0.91	0.86	0.81
E4 - lower secondary	1.72	1.41	1.32	1.20	1.11	1.00
E5 - upper secondary	2.48	2.05	1.76	1.61	1.49	1.40
E6 - post-secondary	2.09	1.90	1.78	1.71	1.66	1.63
Mean years of schooling (male minus female)	1.1	1.1	1.1	1.1	1.1	1.0
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	46.2%	36.6%	24.6%	17.9%	11.7%	6.6%
E2 - incomplete primary	6.5%	7.4%	8.2%	7.9%	6.8%	5.3%
E3 - primary	9.6%	11.9%	14.3%	13.5%	12.3%	10.9%
E4 - lower secondary	15.3%	16.6%	18.0%	18.8%	19.8%	19.5%
E5 - upper secondary	17.1%	21.1%	26.7%	31.9%	37.4%	43.3%
E6 - post-secondary	5.3%	6.4%	8.1%	9.9%	12.0%	14.5%
Mean years of schooling (in years)	4.3	5.3	6.6	7.4	8.5	9.5

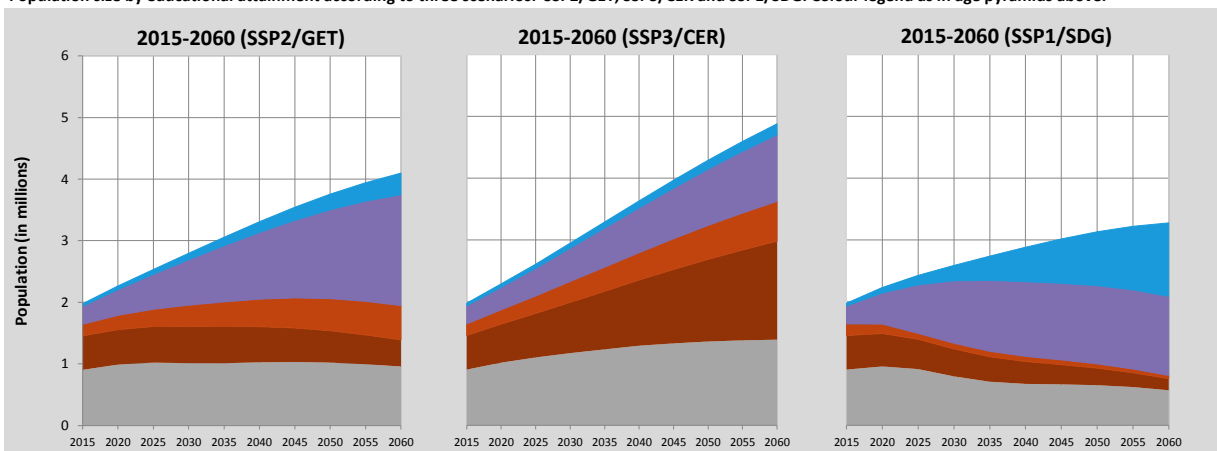
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

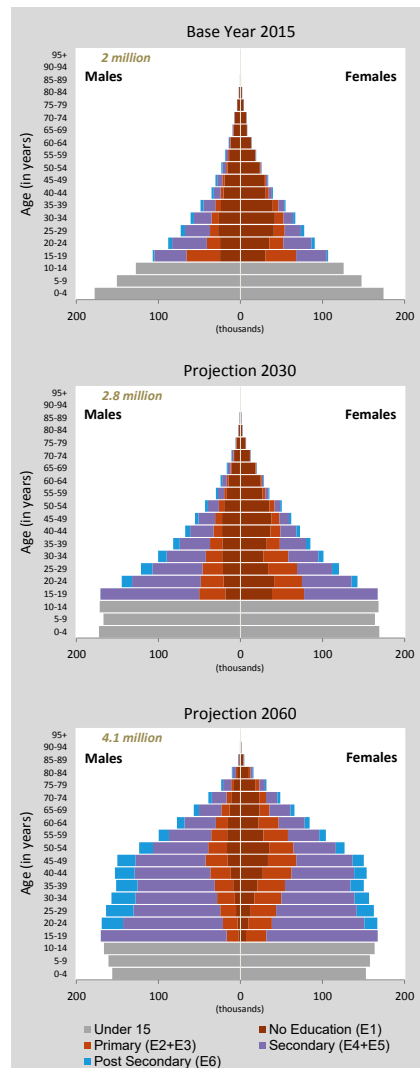
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

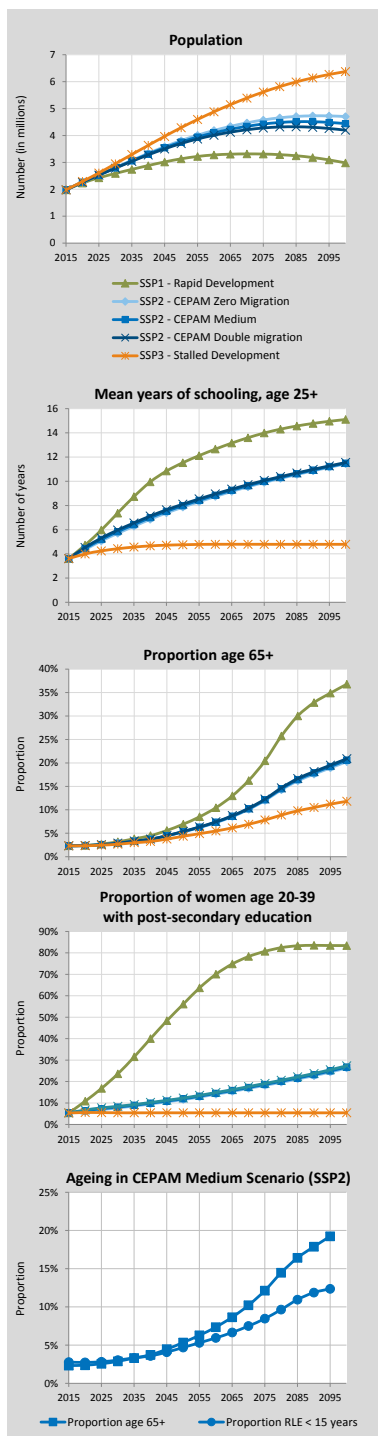
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



Gambia (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)

	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	1.98	2.23	2.59	3.13	3.28	3.31	2.98
SSP2 - CEPAM Zero Migration	1.98	2.27	2.81	3.81	4.19	4.58	4.70
SSP2 - CEPAM Medium	1.98	2.27	2.80	3.76	4.10	4.42	4.44
SSP2 - CEPAM Double Migration	1.98	2.26	2.79	3.70	4.01	4.28	4.20
SSP3 - Stalled Development	1.98	2.29	2.95	4.29	4.88	5.61	6.37
Proportion age 65+							
SSP1 - Rapid Development	2.3%	2.4%	3.2%	6.9%	10.4%	20.4%	36.8%
SSP2 - CEPAM Zero Migration	2.3%	2.4%	2.9%	5.3%	7.3%	12.0%	20.3%
SSP2 - CEPAM Medium	2.3%	2.4%	2.9%	5.3%	7.4%	12.1%	20.6%
SSP2 - CEPAM Double Migration	2.3%	2.4%	2.9%	5.4%	7.4%	12.3%	20.9%
SSP3 - Stalled Development	2.3%	2.3%	2.7%	4.4%	5.5%	7.8%	11.8%
Proportion below age 20							
SSP1 - Rapid Development	56.5%	54.0%	43.7%	27.8%	24.0%	18.0%	13.6%
SSP2 - CEPAM Zero Migration	56.5%	54.7%	48.2%	36.0%	31.5%	26.6%	22.0%
SSP2 - CEPAM Medium	56.5%	54.7%	48.3%	36.1%	31.6%	26.6%	22.1%
SSP2 - CEPAM Double Migration	56.5%	54.7%	48.3%	36.2%	31.7%	26.7%	22.1%
SSP3 - Stalled Development	56.5%	55.3%	51.1%	41.4%	37.5%	33.5%	30.2%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	5.3%	10.8%	23.6%	56.1%	70.0%	80.7%	83.4%
SSP2 - CEPAM Zero Migration	5.3%	6.1%	7.7%	11.6%	14.1%	18.2%	26.3%
SSP2 - CEPAM Medium	5.3%	6.4%	8.1%	12.0%	14.5%	18.7%	26.8%
SSP2 - CEPAM Double Migration	5.3%	6.8%	8.5%	12.3%	14.9%	19.1%	27.3%
SSP3 - Stalled Development	5.3%	5.6%	5.4%	5.4%	5.4%	5.4%	5.4%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	3.6	4.7	7.4	11.5	12.7	14.0	15.1
SSP2 - CEPAM Zero Migration	3.6	4.4	5.7	7.9	8.7	9.9	11.4
SSP2 - CEPAM Medium	3.6	4.4	5.8	8.0	8.8	10.0	11.5
SSP2 - CEPAM Double Migration	3.6	4.5	6.0	8.1	9.0	10.1	11.5
SSP3 - Stalled Development	3.6	4.0	4.4	4.8	4.8	4.8	4.8

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	4.35	3.16	2.05	1.45	1.37	1.30	1.21
SSP2 - CEPAM Zero Migration	4.82	4.02	3.11	2.12	1.94	1.80	1.67
SSP2 - CEPAM Medium	4.82	4.01	3.11	2.12	1.94	1.80	1.67
SSP2 - CEPAM Double Migration	4.81	4.00	3.11	2.12	1.94	1.80	1.67
SSP3 - Stalled Development	5.20	4.68	3.95	2.76	2.52	2.37	2.26
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	63.5	65.4	69.2	75.8	78.9	83.9	90.4
SSP2 - CEPAM Zero Migration	62.9	64.0	66.2	70.6	72.8	76.1	80.5
SSP2 - CEPAM Medium	62.9	64.1	66.2	70.6	72.8	76.1	80.5
SSP2 - CEPAM Double Migration	63.0	64.1	66.3	70.7	72.9	76.2	80.5
SSP3 - Stalled Development	62.4	62.9	63.7	65.2	66.0	67.2	69.1
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-0.5	-2.2	-4.5	-8.4	-9.6	-10.1	-9.0
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-0.5	-2.5	-6.1	-13.1	-15.6	-18.0	-18.3
SSP2 - CEPAM Double Migration	-1.1	-5.1	-12.4	-25.9	-30.3	-34.1	-33.2
SSP3 - Stalled Development	-0.4	-0.9	0.0	0.0	0.0	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	17.0	17.9	20.8	28.1	31.5	36.3	41.5
Proportion age 65+	2.3%	2.4%	2.9%	5.3%	7.4%	12.1%	19.2%
Proportion RLE < 15 years	2.4%	2.4%	2.9%	4.9%	6.1%	8.3%	12.3%

Georgia

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	3.95	3.77	3.37	2.98	2.64	2.32
Proportion age 65+	14.6%	15.8%	20.8%	25.0%	28.7%	31.8%
Proportion below age 20	24.7%	25.2%	24.1%	19.9%	19.9%	19.8%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	1.90	1.79	1.73	1.70	1.70	1.70
Life expectancy at birth (in years)						
Male	69.3	70.6	73.1	75.7	78.3	79.5
Female	77.7	78.8	81.0	83.2	85.3	87.5
Five-year net-migration flow (in thousands)	-161.6	-150.0	-124.3	-99.1	-78.6	-69.2

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	0.5%	0.5%	0.7%	0.8%	0.9%	0.9%
E2 - incomplete primary	0.7%	0.5%	0.4%	0.4%	0.5%	0.5%
E3 - primary	2.4%	1.8%	1.2%	1.1%	1.2%	1.3%
E4 - lower secondary	5.3%	4.9%	4.3%	4.0%	3.8%	3.8%
E5 - upper secondary	45.6%	45.1%	43.9%	41.9%	39.7%	37.7%
E6 - post-secondary	45.4%	47.1%	49.5%	51.8%	53.9%	55.8%
Mean years of schooling (in years)	12.3	12.5	12.7	13.0	13.2	13.4
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.59	0.70	0.75	0.72	0.66	0.61
E2 - incomplete primary	0.65	0.72	0.83	0.87	0.85	0.81
E3 - primary	0.74	0.76	0.84	0.91	0.91	0.87
E4 - lower secondary	0.99	1.02	1.08	1.12	1.11	1.07
E5 - upper secondary	1.12	1.12	1.13	1.16	1.19	1.21
E6 - post-secondary	0.92	0.91	0.90	0.89	0.88	0.88
Mean years of schooling (male minus female)	0.0	0.0	0.0	0.0	0.0	0.0
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	0.3%	0.5%	0.6%	0.4%	0.3%	0.3%
E2 - incomplete primary	0.2%	0.3%	0.3%	0.2%	0.2%	0.2%
E3 - primary	1.0%	1.1%	0.8%	0.6%	0.6%	0.6%
E4 - lower secondary	5.1%	4.9%	3.4%	2.3%	1.8%	1.6%
E5 - upper secondary	48.0%	45.7%	44.6%	41.9%	38.2%	36.5%
E6 - post-secondary	45.4%	47.5%	50.5%	54.6%	58.9%	60.7%
Mean years of schooling (in years)	12.9	13.1	13.6	13.8	14.0	14.1

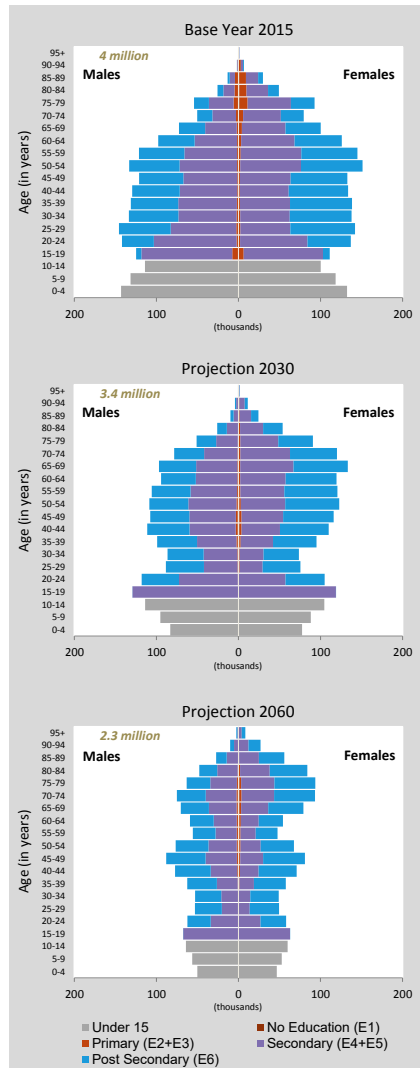
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

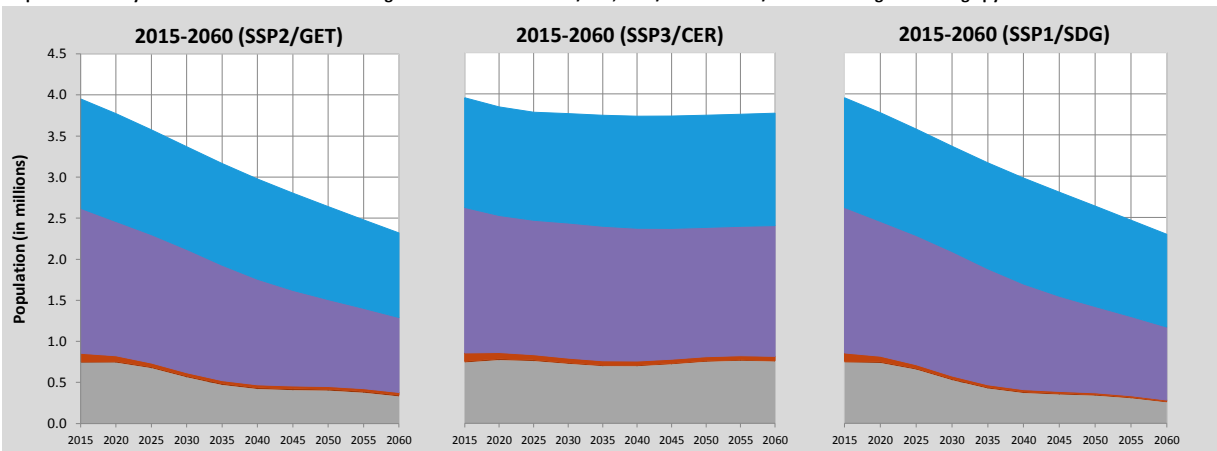
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

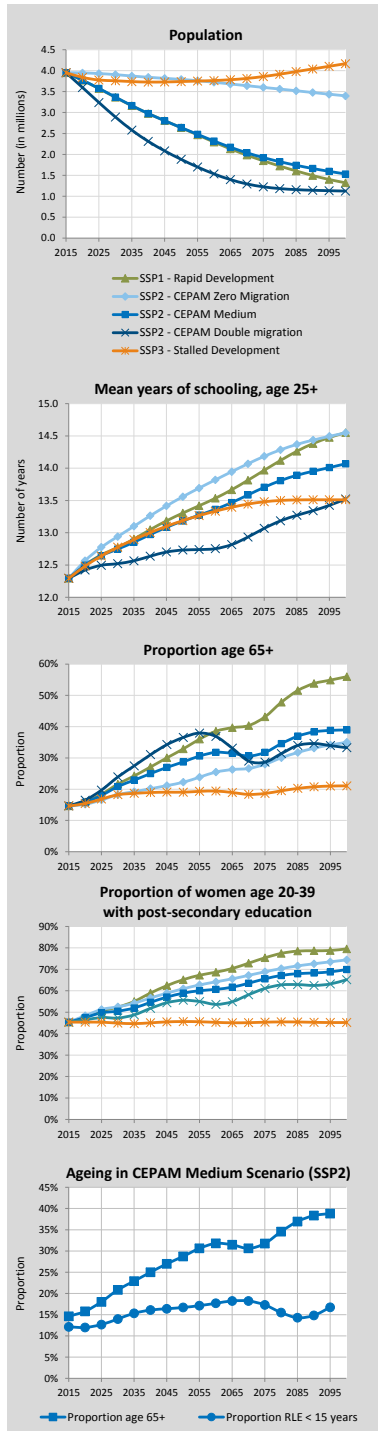
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Georgia (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	3.95	3.77	3.36	2.64	2.30	1.85	1.32
SSP2 - CEPAM Zero Migration	3.95	3.95	3.91	3.79	3.72	3.60	3.40
SSP2 - CEPAM Medium	3.95	3.77	3.37	2.64	2.32	1.92	1.53
SSP2 - CEPAM Double Migration	3.95	3.60	2.89	1.88	1.53	1.23	1.12
SSP3 - Stalled Development	3.95	3.84	3.76	3.74	3.76	3.86	4.17
Proportion age 65+							
SSP1 - Rapid Development	14.6%	15.9%	21.6%	32.9%	38.6%	43.1%	56.0%
SSP2 - CEPAM Zero Migration	14.6%	15.2%	18.3%	22.2%	25.5%	28.0%	35.0%
SSP2 - CEPAM Medium	14.6%	15.8%	20.8%	28.7%	31.8%	31.8%	38.9%
SSP2 - CEPAM Double Migration	14.6%	16.5%	23.9%	36.5%	36.9%	28.7%	33.3%
SSP3 - Stalled Development	14.6%	15.4%	18.2%	19.0%	19.4%	18.6%	21.1%
Proportion below age 20							
SSP1 - Rapid Development	24.7%	25.0%	23.0%	16.9%	15.9%	12.3%	10.4%
SSP2 - CEPAM Zero Migration	24.7%	25.1%	24.6%	21.2%	20.7%	18.7%	17.2%
SSP2 - CEPAM Medium	24.7%	25.2%	24.1%	19.9%	19.8%	17.4%	16.4%
SSP2 - CEPAM Double Migration	24.7%	25.3%	23.3%	18.7%	19.7%	17.9%	18.3%
SSP3 - Stalled Development	24.7%	25.5%	26.2%	26.0%	26.7%	26.0%	25.6%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	45.4%	47.9%	52.4%	65.2%	68.7%	75.4%	79.5%
SSP2 - CEPAM Zero Migration	45.4%	48.4%	52.6%	60.9%	64.2%	68.9%	74.4%
SSP2 - CEPAM Medium	45.4%	47.5%	50.5%	58.9%	60.7%	65.6%	69.9%
SSP2 - CEPAM Double Migration	45.4%	46.4%	47.3%	55.6%	53.7%	61.1%	65.2%
SSP3 - Stalled Development	45.4%	45.4%	44.9%	45.7%	45.3%	45.4%	45.2%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	12.3	12.5	12.8	13.3	13.5	14.0	14.6
SSP2 - CEPAM Zero Migration	12.3	12.6	12.9	13.6	13.8	14.2	14.5
SSP2 - CEPAM Medium	12.3	12.5	12.7	13.2	13.4	13.7	14.1
SSP2 - CEPAM Double Migration	12.3	12.4	12.5	12.7	12.8	13.1	13.5
SSP3 - Stalled Development	12.3	12.5	12.8	13.2	13.3	13.5	13.5

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.84	1.67	1.54	1.48	1.48	1.49	1.50
SSP2 - CEPAM Zero Migration	1.90	1.79	1.74	1.70	1.70	1.71	1.72
SSP2 - CEPAM Medium	1.90	1.79	1.73	1.70	1.70	1.71	1.72
SSP2 - CEPAM Double Migration	1.90	1.79	1.72	1.71	1.69	1.71	1.72
SSP3 - Stalled Development	2.03	2.05	2.14	2.17	2.18	2.20	2.22
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	78.2	79.8	83.0	89.3	92.5	97.3	103.6
SSP2 - CEPAM Zero Migration	77.7	78.8	81.0	85.4	87.6	90.9	95.3
SSP2 - CEPAM Medium	77.7	78.8	81.0	85.3	87.5	90.8	95.1
SSP2 - CEPAM Double Migration	77.7	78.8	81.0	85.2	87.3	90.5	94.8
SSP3 - Stalled Development	77.2	77.8	79.0	81.4	82.5	84.3	86.5
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-161.9	-150.7	-126.5	-83.5	-65.2	-42.8	-24.9
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-161.6	-150.0	-124.3	-78.6	-60.1	-38.7	-23.6
SSP2 - CEPAM Double Migration	-323.2	-281.3	-197.6	-77.0	-38.3	-7.6	-3.6
SSP3 - Stalled Development	-107.6	-51.1	-0.1	-0.1	-0.1	-0.1	-0.1

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	38.0	39.4	43.0	45.9	48.2	52.6	54.0
Proportion age 65+	14.6%	15.8%	20.8%	28.7%	31.8%	31.8%	38.8%
Proportion RLE < 15 years	12.6%	12.3%	14.4%	18.2%	19.5%	19.2%	15.5%

Ghana

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	27.59	30.72	36.82	42.74	48.21	52.66
Proportion age 65+	3.4%	3.4%	4.1%	5.4%	7.0%	8.9%
Proportion below age 20	49.2%	47.8%	44.0%	39.2%	35.8%	32.3%
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	3.83	3.47	2.94	2.54	2.25	2.13
Life expectancy at birth (in years)						
Male	62.1	63.2	65.4	67.6	69.8	71.0
Female	64.2	65.4	67.8	70.2	72.7	75.1
Five-year net-migration flow (in thousands)	-61.7	-74.9	-101.2	-127.9	-153.3	-164.5

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	29.8%	25.3%	18.6%	13.4%	9.3%	6.1%
E2 - incomplete primary	8.4%	8.9%	8.3%	6.9%	5.5%	4.2%
E3 - primary	8.2%	8.4%	8.4%	8.2%	7.4%	6.5%
E4 - lower secondary	33.0%	33.8%	35.1%	35.2%	34.5%	33.0%
E5 - upper secondary	14.0%	16.4%	21.3%	26.6%	32.0%	37.0%
E6 - post-secondary	6.6%	7.2%	8.3%	9.7%	11.3%	13.2%
Mean years of schooling (in years)	7.1	7.6	8.4	9.3	10.1	10.8
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.61	0.62	0.63	0.64	0.66	0.68
E2 - incomplete primary	0.72	0.68	0.65	0.64	0.65	0.64
E3 - primary	0.81	0.80	0.82	0.79	0.77	0.74
E4 - lower secondary	1.26	1.19	1.08	1.01	0.95	0.90
E5 - upper secondary	1.60	1.49	1.34	1.23	1.16	1.11
E6 - post-secondary	2.11	1.95	1.76	1.66	1.59	1.54
Mean years of schooling (male minus female)	1.1	1.0	0.8	0.7	0.5	0.5
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	19.1%	14.7%	9.0%	6.1%	3.5%	1.7%
E2 - incomplete primary	9.4%	9.3%	7.1%	4.1%	2.7%	1.8%
E3 - primary	9.3%	9.0%	8.4%	7.2%	5.7%	4.1%
E4 - lower secondary	34.4%	35.0%	36.0%	34.9%	32.3%	28.4%
E5 - upper secondary	21.5%	24.6%	30.4%	36.8%	42.7%	48.3%
E6 - post-secondary	6.3%	7.4%	9.1%	10.8%	13.1%	15.7%
Mean years of schooling (in years)	7.4	8.1	9.3	10.2	11.0	11.7

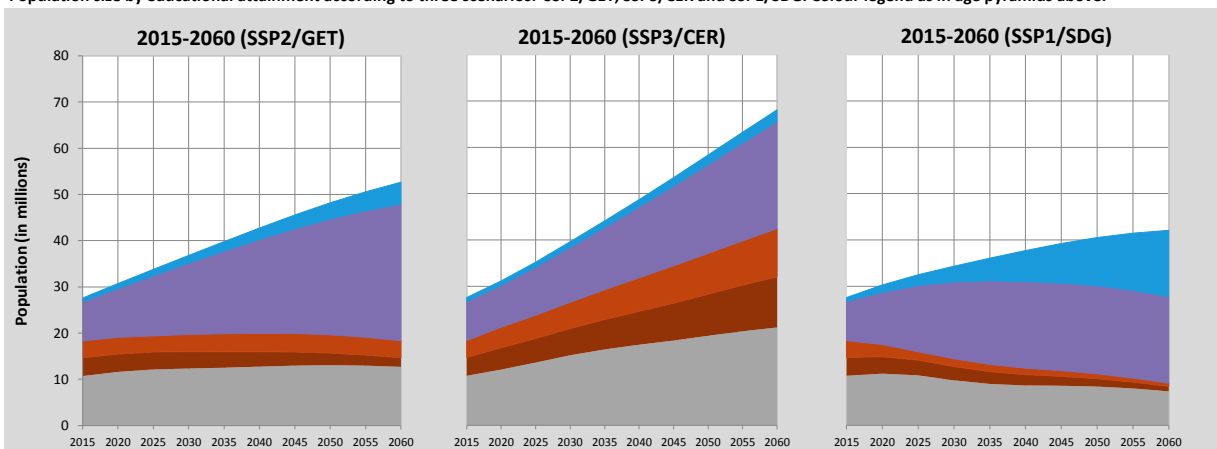
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

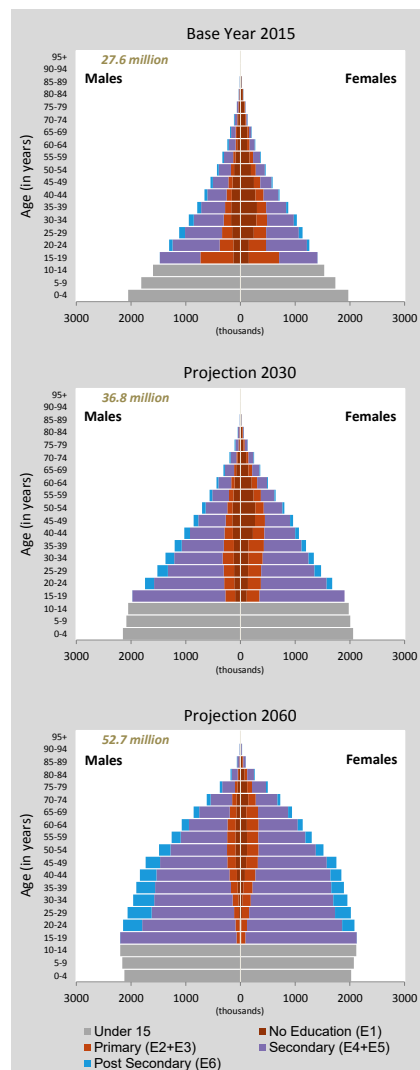
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

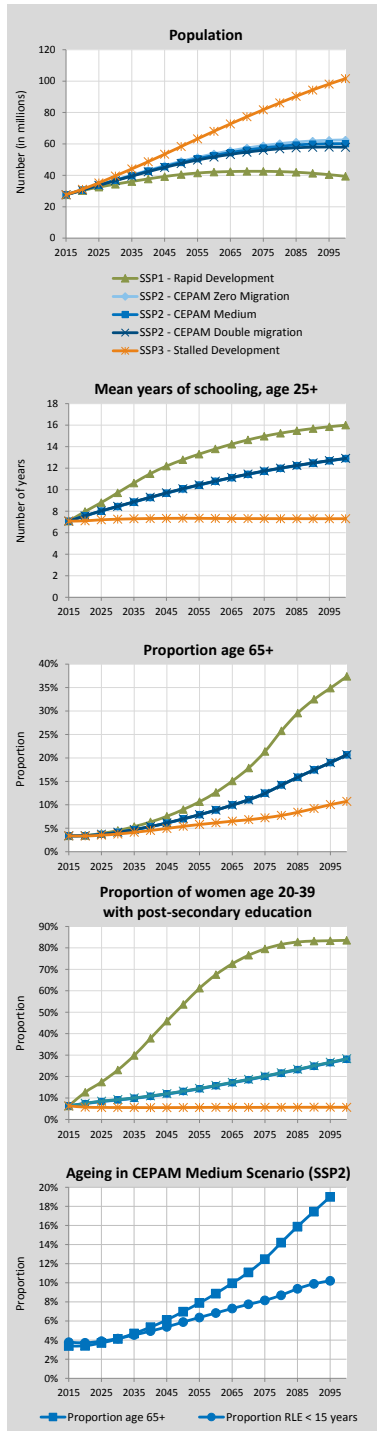
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



Ghana (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)

	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	27.59	30.30	34.34	40.52	42.08	42.55	39.38
SSP2 - CEPAM Zero Migration	27.59	30.79	37.04	48.90	53.65	58.90	62.54
SSP2 - CEPAM Medium	27.59	30.72	36.82	48.21	52.66	57.42	60.18
SSP2 - CEPAM Double Migration	27.59	30.66	36.59	47.52	51.68	55.97	57.92
SSP3 - Stalled Development	27.59	31.18	39.62	58.33	68.08	81.77	101.58
Proportion age 65+							
SSP1 - Rapid Development	3.4%	3.5%	4.5%	9.0%	12.7%	21.4%	37.4%
SSP2 - CEPAM Zero Migration	3.4%	3.4%	4.1%	7.0%	8.9%	12.5%	20.6%
SSP2 - CEPAM Medium	3.4%	3.4%	4.1%	7.0%	8.9%	12.5%	20.7%
SSP2 - CEPAM Double Migration	3.4%	3.4%	4.1%	7.0%	8.9%	12.4%	20.7%
SSP3 - Stalled Development	3.4%	3.3%	3.8%	5.4%	6.2%	7.2%	10.7%
Proportion below age 20							
SSP1 - Rapid Development	49.2%	47.1%	39.6%	27.7%	24.1%	18.6%	13.4%
SSP2 - CEPAM Zero Migration	49.2%	47.8%	43.9%	35.4%	32.0%	27.3%	22.0%
SSP2 - CEPAM Medium	49.2%	47.8%	44.0%	35.8%	32.3%	27.7%	22.3%
SSP2 - CEPAM Double Migration	49.2%	47.9%	44.2%	36.1%	32.7%	28.0%	22.6%
SSP3 - Stalled Development	49.2%	48.6%	48.0%	42.9%	40.3%	36.3%	31.7%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	6.3%	12.7%	23.1%	53.6%	67.6%	79.6%	83.5%
SSP2 - CEPAM Zero Migration	6.3%	7.3%	9.0%	12.9%	15.6%	20.0%	28.0%
SSP2 - CEPAM Medium	6.3%	7.4%	9.1%	13.1%	15.7%	20.1%	28.1%
SSP2 - CEPAM Double Migration	6.3%	7.5%	9.3%	13.2%	15.9%	20.3%	28.3%
SSP3 - Stalled Development	6.3%	5.7%	5.6%	5.6%	5.6%	5.6%	5.7%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	7.1	8.0	9.7	12.8	13.8	15.0	16.0
SSP2 - CEPAM Zero Migration	7.1	7.6	8.4	10.0	10.8	11.7	12.9
SSP2 - CEPAM Medium	7.1	7.6	8.4	10.1	10.8	11.7	12.9
SSP2 - CEPAM Double Migration	7.1	7.6	8.5	10.1	10.8	11.7	12.9
SSP3 - Stalled Development	7.1	7.1	7.3	7.3	7.3	7.3	7.3

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	3.43	2.71	1.99	1.56	1.45	1.33	1.20
SSP2 - CEPAM Zero Migration	3.83	3.47	2.94	2.25	2.04	1.84	1.67
SSP2 - CEPAM Medium	3.83	3.47	2.94	2.25	2.04	1.84	1.67
SSP2 - CEPAM Double Migration	3.83	3.46	2.94	2.25	2.04	1.84	1.67
SSP3 - Stalled Development	4.25	4.30	4.01	3.12	2.79	2.51	2.32
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	64.8	66.7	70.4	77.2	80.6	85.9	92.9
SSP2 - CEPAM Zero Migration	64.2	65.4	67.8	72.6	75.0	78.7	83.5
SSP2 - CEPAM Medium	64.2	65.4	67.8	72.7	75.1	78.7	83.5
SSP2 - CEPAM Double Migration	64.2	65.4	67.8	72.7	75.1	78.7	83.5
SSP3 - Stalled Development	63.6	64.1	65.1	67.3	68.5	70.3	73.0
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-61.6	-73.0	-89.6	-116.3	-124.0	-128.0	-122.2
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-61.7	-74.9	-101.2	-153.3	-174.5	-198.4	-214.0
SSP2 - CEPAM Double Migration	-123.4	-149.5	-201.1	-301.4	-341.0	-383.8	-407.2
SSP3 - Stalled Development	-41.1	-25.6	-0.1	-0.2	-0.2	-0.3	-0.4

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	20.4	21.2	23.2	28.6	31.3	35.4	40.9
Proportion age 65+	3.4%	3.4%	4.1%	7.0%	8.9%	12.5%	19.0%
Proportion RLE < 15 years	3.9%	3.8%	4.2%	6.2%	7.0%	8.1%	10.0%

Grenada

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	0.11	0.11	0.10	0.09	0.09	0.07
Proportion age 65+	7.2%	7.6%	11.3%	14.2%	20.8%	29.5%
Proportion below age 20	35.6%	34.6%	31.8%	26.7%	23.9%	21.4%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	2.08	2.00	1.89	1.80	1.70	1.68
Life expectancy at birth (in years)						
Male	71.4	72.6	75.1	77.6	80.0	81.2
Female	76.3	77.5	79.8	82.1	84.3	86.6
Five-year net-migration flow (in thousands)	-6.7	-6.6	-6.2	-5.6	-4.9	-4.5

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	3.7%	2.8%	1.8%	1.2%	0.9%	0.8%
E2 - incomplete primary	2.5%	2.0%	1.3%	0.9%	0.7%	0.6%
E3 - primary	37.2%	33.1%	26.3%	19.9%	14.5%	10.5%
E4 - lower secondary	8.8%	9.0%	9.1%	8.7%	7.9%	7.1%
E5 - upper secondary	28.9%	31.9%	36.7%	40.7%	43.7%	45.3%
E6 - post-secondary	18.9%	21.2%	24.8%	28.6%	32.3%	35.7%
Mean years of schooling (in years)	10.0	10.4	10.9	11.4	11.8	12.0
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	1.07	1.13	1.22	1.26	1.21	1.11
E2 - incomplete primary	1.11	1.20	1.30	1.36	1.35	1.29
E3 - primary	1.19	1.22	1.27	1.32	1.39	1.46
E4 - lower secondary	1.01	1.05	1.09	1.15	1.23	1.31
E5 - upper secondary	0.94	0.95	1.00	1.05	1.10	1.14
E6 - post-secondary	0.75	0.74	0.73	0.72	0.71	0.71
Mean years of schooling (male minus female)	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	1.0%	0.8%	0.3%	0.2%	0.2%	0.1%
E2 - incomplete primary	0.7%	0.6%	0.2%	0.1%	0.1%	0.1%
E3 - primary	19.5%	15.6%	8.5%	4.2%	2.2%	1.1%
E4 - lower secondary	9.2%	8.9%	7.9%	6.0%	4.3%	2.9%
E5 - upper secondary	45.9%	47.9%	51.9%	53.5%	52.2%	50.4%
E6 - post-secondary	23.6%	26.2%	31.2%	36.0%	41.1%	45.4%
Mean years of schooling (in years)	11.8	12.0	12.4	12.7	12.9	13.1

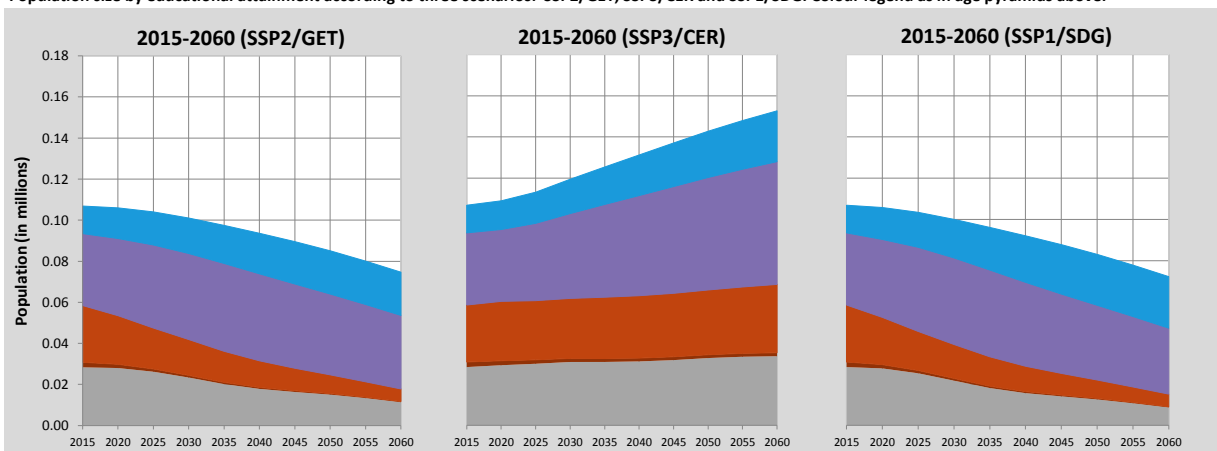
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

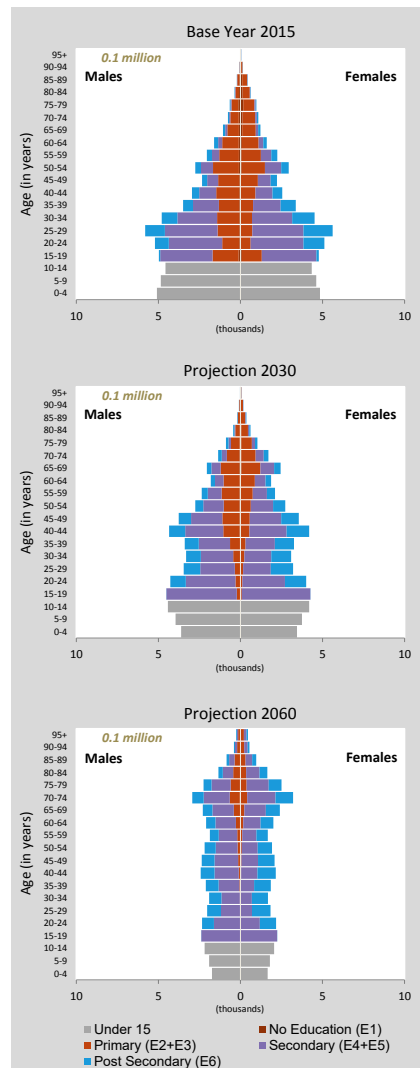
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

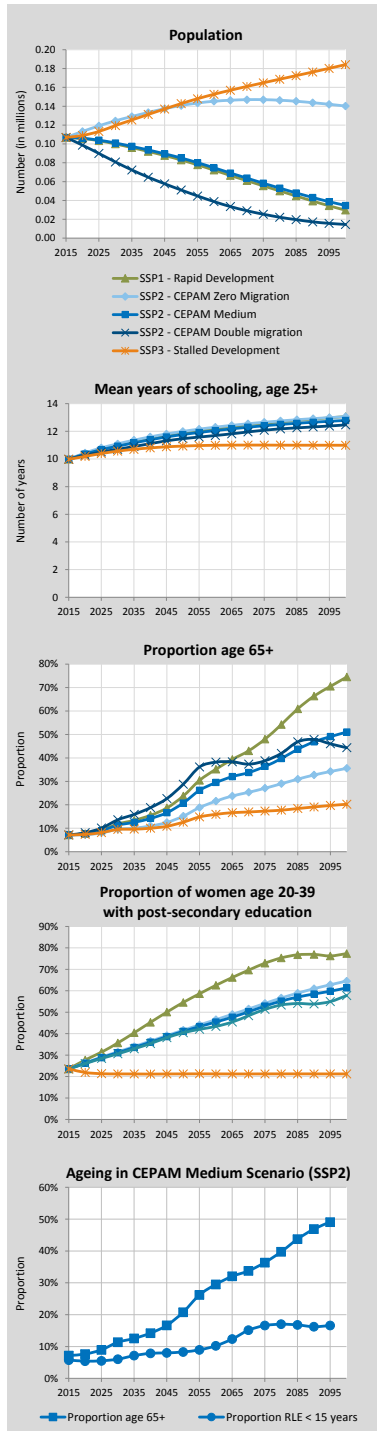
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



Grenada (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	0.11	0.11	0.10	0.08	0.07	0.06	0.03
SSP2 - CEPAM Zero Migration	0.11	0.11	0.12	0.14	0.15	0.15	0.14
SSP2 - CEPAM Medium	0.11	0.11	0.10	0.09	0.07	0.06	0.03
SSP2 - CEPAM Double Migration	0.11	0.10	0.08	0.05	0.04	0.03	0.01
SSP3 - Stalled Development	0.11	0.11	0.12	0.14	0.15	0.16	0.18
Proportion age 65+							
SSP1 - Rapid Development	7.2%	7.7%	11.8%	23.7%	35.2%	48.0%	74.5%
SSP2 - CEPAM Zero Migration	7.2%	7.2%	9.6%	15.2%	21.6%	27.1%	35.6%
SSP2 - CEPAM Medium	7.2%	7.6%	11.3%	20.8%	29.5%	36.4%	51.0%
SSP2 - CEPAM Double Migration	7.2%	8.1%	13.6%	28.8%	38.2%	38.8%	44.3%
SSP3 - Stalled Development	7.2%	7.4%	9.5%	12.6%	15.9%	17.3%	20.2%
Proportion below age 20							
SSP1 - Rapid Development	35.6%	34.4%	30.5%	20.7%	17.3%	11.3%	4.9%
SSP2 - CEPAM Zero Migration	35.6%	33.9%	31.1%	24.3%	22.3%	19.2%	16.5%
SSP2 - CEPAM Medium	35.6%	34.6%	31.8%	23.9%	21.4%	16.5%	12.2%
SSP2 - CEPAM Double Migration	35.6%	35.4%	32.6%	24.2%	21.7%	15.6%	13.4%
SSP3 - Stalled Development	35.6%	34.8%	33.6%	30.1%	29.1%	27.6%	26.4%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	23.6%	27.8%	35.7%	54.6%	62.6%	72.9%	77.3%
SSP2 - CEPAM Zero Migration	23.6%	26.3%	31.5%	41.6%	46.5%	54.1%	64.6%
SSP2 - CEPAM Medium	23.6%	26.2%	31.2%	41.1%	45.4%	52.9%	61.4%
SSP2 - CEPAM Double Migration	23.6%	26.0%	30.6%	40.4%	43.4%	51.3%	57.8%
SSP3 - Stalled Development	23.6%	21.9%	21.2%	21.2%	21.3%	21.2%	21.2%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	10.0	10.4	11.0	11.9	12.2	12.6	13.1
SSP2 - CEPAM Zero Migration	10.0	10.4	11.1	12.0	12.3	12.7	13.1
SSP2 - CEPAM Medium	10.0	10.4	10.9	11.8	12.0	12.4	12.8
SSP2 - CEPAM Double Migration	10.0	10.3	10.7	11.5	11.7	12.1	12.5
SSP3 - Stalled Development	10.0	10.2	10.6	10.9	11.0	11.0	11.0

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	2.00	1.86	1.67	1.48	1.43	1.40	1.40
SSP2 - CEPAM Zero Migration	2.08	2.00	1.89	1.70	1.66	1.61	1.61
SSP2 - CEPAM Medium	2.08	2.00	1.89	1.70	1.66	1.61	1.61
SSP2 - CEPAM Double Migration	2.08	2.00	1.89	1.71	1.65	1.62	1.61
SSP3 - Stalled Development	2.24	2.32	2.37	2.27	2.22	2.20	2.23
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	76.8	78.5	81.8	88.3	91.5	96.2	100.0
SSP2 - CEPAM Zero Migration	76.3	77.5	79.8	84.4	86.7	90.2	94.8
SSP2 - CEPAM Medium	76.3	77.5	79.8	84.3	86.6	90.0	94.1
SSP2 - CEPAM Double Migration	76.3	77.4	79.8	84.2	86.3	89.2	92.4
SSP3 - Stalled Development	75.8	76.4	77.7	80.1	81.3	83.1	85.6
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-6.7	-6.6	-6.1	-4.9	-4.1	-2.9	-1.5
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-6.7	-6.6	-6.2	-4.9	-4.1	-3.0	-1.7
SSP2 - CEPAM Double Migration	-13.4	-12.2	-9.6	-5.2	-3.4	-1.6	-0.4
SSP3 - Stalled Development	-4.4	-2.2	0.0	0.0	0.0	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	27.2	29.1	32.7	40.5	46.0	55.1	64.1
Proportion age 65+	7.2%	7.6%	11.3%	20.8%	29.5%	36.4%	49.1%
Proportion RLE < 15 years	6.4%	5.8%	6.0%	8.6%	10.2%	17.7%	17.4%

Guadeloupe

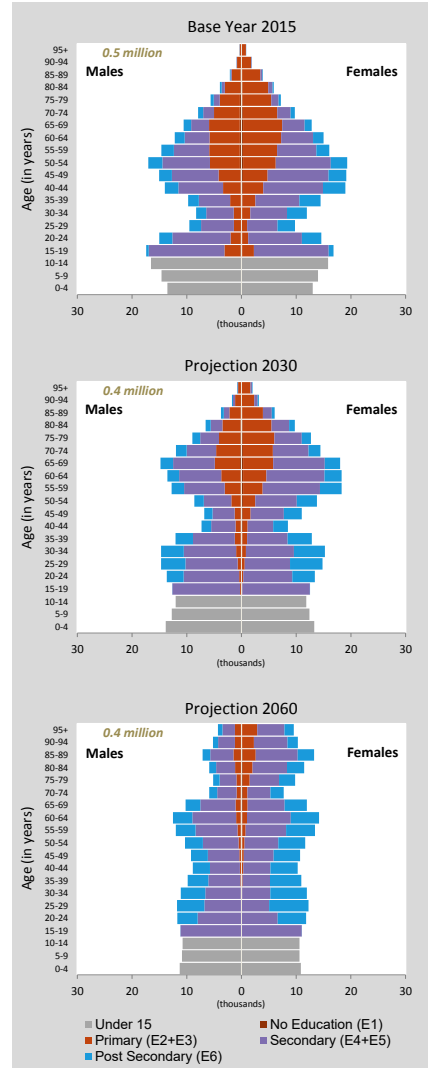
Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	0.45	0.45	0.45	0.44	0.43	0.41
Proportion age 65+	16.4%	19.1%	25.7%	30.8%	30.1%	28.8%
Proportion below age 20	27.0%	24.7%	22.7%	23.2%	22.3%	21.3%
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	1.99	1.99	1.96	1.94	1.91	1.90
Life expectancy at birth (in years)						
Male	78.2	79.3	81.6	83.9	86.1	87.3
Female	84.8	85.9	87.9	90.0	92.1	94.1
Five-year net-migration flow (in thousands)	-8.5	-8.0	-7.2	-6.4	-5.5	-5.0

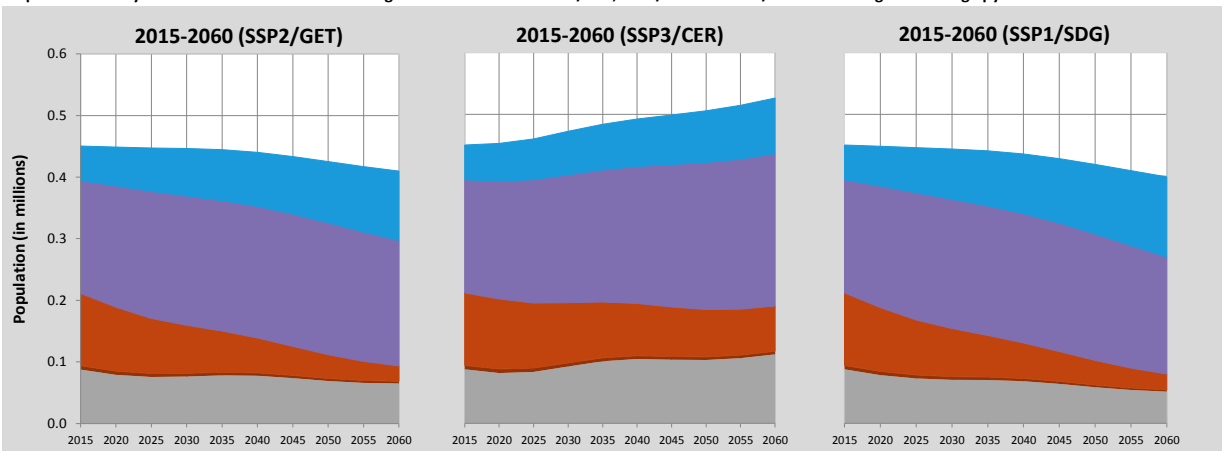
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	1.9%	1.9%	1.6%	1.5%	1.4%	1.2%
E2 - incomplete primary	11.3%	9.4%	6.0%	3.9%	2.4%	1.5%
E3 - primary	25.3%	23.1%	18.1%	13.9%	10.1%	6.8%
E4 - lower secondary	13.4%	13.3%	12.5%	11.4%	10.0%	8.2%
E5 - upper secondary	31.8%	34.3%	39.7%	43.6%	46.3%	47.7%
E6 - post-secondary	16.4%	18.1%	22.0%	25.7%	29.8%	34.7%
Mean years of schooling (in years)	9.1	9.5	10.2	10.8	11.4	11.8
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	1.28	1.12	0.92	0.80	0.73	0.67
E2 - incomplete primary	0.85	0.86	0.88	0.90	0.92	0.92
E3 - primary	1.05	1.03	0.98	0.94	0.91	0.88
E4 - lower secondary	0.97	0.99	1.01	1.03	1.06	1.09
E5 - upper secondary	1.05	1.06	1.09	1.12	1.14	1.18
E6 - post-secondary	0.94	0.92	0.89	0.86	0.84	0.81
Mean years of schooling (male minus female)	0.0	0.0	0.0	0.0	0.0	0.0
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	0.9%	1.1%	0.7%	0.6%	0.4%	0.2%
E2 - incomplete primary	1.7%	1.2%	0.5%	0.3%	0.2%	0.1%
E3 - primary	11.6%	8.3%	4.2%	2.3%	1.2%	0.7%
E4 - lower secondary	12.0%	10.3%	7.6%	5.4%	3.6%	2.3%
E5 - upper secondary	49.6%	52.6%	55.5%	55.5%	54.2%	50.9%
E6 - post-secondary	24.2%	26.6%	31.5%	35.9%	40.5%	45.7%
Mean years of schooling (in years)	11.4	11.7	12.3	12.6	12.8	13.0

Education scenarios
 SSP2/GET: Global Education Trend Scenario (Medium assumption)
 SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)
 SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

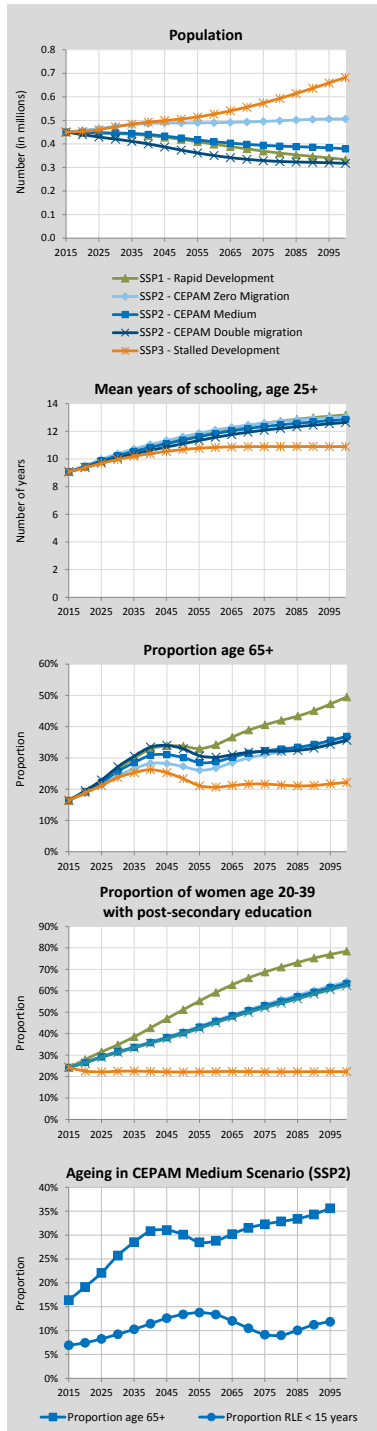
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Guadeloupe (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	0.45	0.45	0.44	0.42	0.40	0.37	0.33
SSP2 - CEPAM Zero Migration	0.45	0.46	0.47	0.49	0.49	0.50	0.51
SSP2 - CEPAM Medium	0.45	0.45	0.45	0.43	0.41	0.39	0.38
SSP2 - CEPAM Double Migration	0.45	0.44	0.42	0.37	0.35	0.33	0.32
SSP3 - Stalled Development	0.45	0.45	0.47	0.51	0.53	0.57	0.68
Proportion age 65+							
SSP1 - Rapid Development	16.4%	19.2%	26.5%	33.7%	34.2%	40.6%	49.5%
SSP2 - CEPAM Zero Migration	16.4%	18.8%	24.3%	27.2%	26.8%	31.1%	36.2%
SSP2 - CEPAM Medium	16.4%	19.1%	25.7%	30.1%	28.8%	32.3%	36.9%
SSP2 - CEPAM Double Migration	16.4%	19.5%	27.2%	32.9%	30.2%	32.1%	35.6%
SSP3 - Stalled Development	16.4%	18.9%	23.7%	23.4%	20.6%	21.6%	22.2%
Proportion below age 20							
SSP1 - Rapid Development	27.0%	24.6%	21.5%	19.4%	17.6%	16.7%	13.8%
SSP2 - CEPAM Zero Migration	27.0%	24.7%	22.9%	22.2%	21.0%	20.6%	18.4%
SSP2 - CEPAM Medium	27.0%	24.7%	22.7%	22.3%	21.3%	21.3%	19.3%
SSP2 - CEPAM Double Migration	27.0%	24.8%	22.5%	22.4%	21.6%	22.1%	20.3%
SSP3 - Stalled Development	27.0%	25.1%	24.9%	27.2%	27.6%	28.5%	28.0%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	24.2%	28.0%	34.8%	51.2%	59.3%	68.7%	78.5%
SSP2 - CEPAM Zero Migration	24.2%	26.7%	31.6%	40.9%	46.2%	53.6%	64.2%
SSP2 - CEPAM Medium	24.2%	26.6%	31.5%	40.5%	45.7%	53.0%	63.4%
SSP2 - CEPAM Double Migration	24.2%	26.4%	31.2%	40.0%	45.1%	52.1%	62.4%
SSP3 - Stalled Development	24.2%	22.5%	22.5%	22.1%	22.3%	22.2%	22.3%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	9.1	9.5	10.3	11.5	12.0	12.6	13.2
SSP2 - CEPAM Zero Migration	9.1	9.5	10.4	11.6	12.1	12.6	13.0
SSP2 - CEPAM Medium	9.1	9.5	10.2	11.4	11.8	12.3	12.8
SSP2 - CEPAM Double Migration	9.1	9.4	10.1	11.1	11.6	12.1	12.6
SSP3 - Stalled Development	9.1	9.4	10.0	10.7	10.8	10.9	10.9

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.92	1.84	1.74	1.66	1.64	1.62	1.61
SSP2 - CEPAM Zero Migration	1.99	1.98	1.96	1.91	1.89	1.87	1.85
SSP2 - CEPAM Medium	1.99	1.99	1.96	1.91	1.89	1.87	1.85
SSP2 - CEPAM Double Migration	1.99	1.99	1.96	1.91	1.89	1.87	1.85
SSP3 - Stalled Development	2.14	2.29	2.43	2.48	2.47	2.47	2.48
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	85.3	86.9	90.0	96.1	99.2	103.7	109.8
SSP2 - CEPAM Zero Migration	84.8	85.9	87.9	92.1	94.2	97.4	101.5
SSP2 - CEPAM Medium	84.8	85.9	87.9	92.1	94.1	97.3	101.4
SSP2 - CEPAM Double Migration	84.8	85.9	87.9	92.0	94.1	97.1	101.3
SSP3 - Stalled Development	84.3	84.8	85.9	87.9	88.9	90.4	92.4
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-8.5	-8.1	-7.4	-5.9	-5.2	-4.5	-4.2
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-8.5	-8.0	-7.2	-5.5	-4.7	-4.2	-3.9
SSP2 - CEPAM Double Migration	-17.0	-15.5	-12.8	-7.7	-5.7	-4.4	-4.1
SSP3 - Stalled Development	-5.7	-2.7	0.0	0.0	0.0	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	41.5	43.4	43.3	46.2	46.8	47.2	51.4
Proportion age 65+	16.4%	19.1%	25.7%	30.1%	28.8%	32.3%	35.6%
Proportion RLE < 15 years	6.6%	7.0%	8.8%	13.5%	14.9%	10.7%	11.9%

Guam

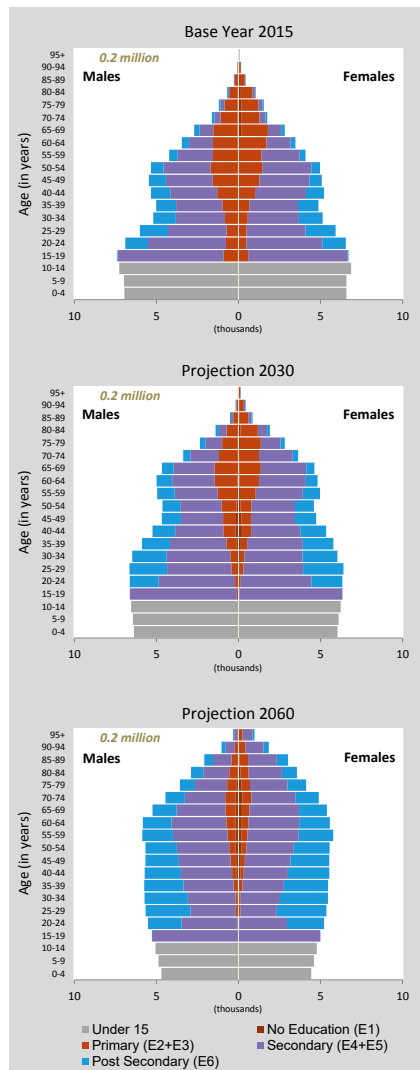
Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	0.16	0.17	0.18	0.18	0.18	0.18
Proportion age 65+	8.9%	10.7%	15.3%	19.2%	20.9%	23.7%
Proportion below age 20	34.2%	32.1%	28.7%	25.9%	23.3%	21.1%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	2.28	2.14	1.95	1.80	1.71	1.67
Life expectancy at birth (in years)						
Male	77.5	78.4	80.2	82.0	83.8	84.7
Female	82.2	83.2	84.9	86.7	88.4	90.2
Five-year net-migration flow (in thousands)	-3.3	-3.1	-2.8	-2.2	-1.6	-1.3

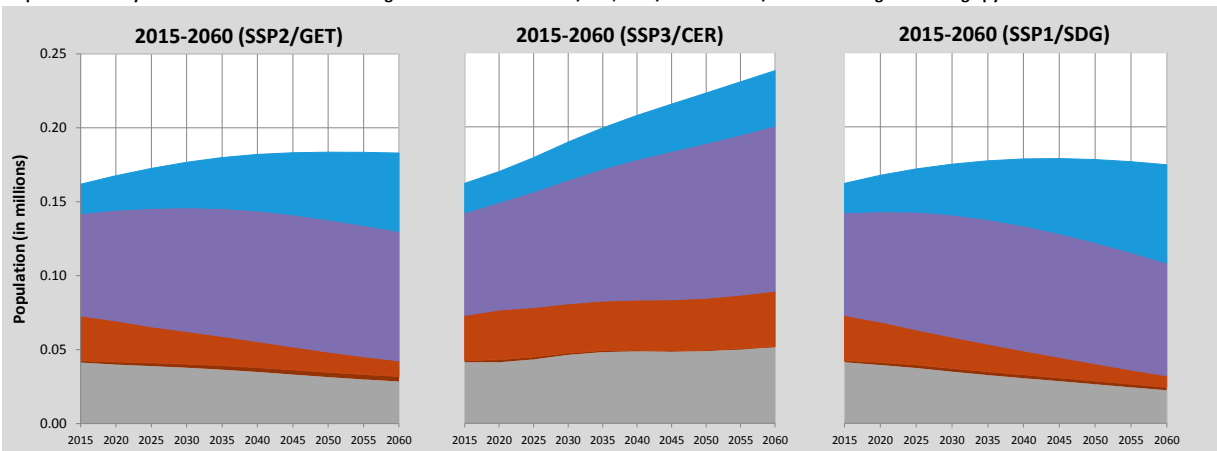
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	1.3%	1.8%	2.1%	2.4%	2.5%	2.5%
E2 - incomplete primary	5.8%	4.9%	3.4%	2.6%	2.0%	1.7%
E3 - primary	23.8%	21.0%	15.7%	11.6%	8.4%	6.1%
E4 - lower secondary	28.9%	27.7%	25.2%	22.0%	18.3%	14.7%
E5 - upper secondary	21.9%	24.5%	29.6%	33.5%	36.6%	38.5%
E6 - post-secondary	18.2%	20.0%	23.9%	27.9%	32.2%	36.5%
Mean years of schooling (in years)	9.6	9.8	10.4	10.8	11.2	11.5
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.31	0.56	0.77	0.87	0.89	0.86
E2 - incomplete primary	0.93	0.94	0.99	1.07	1.13	1.15
E3 - primary	1.09	1.08	1.07	1.08	1.10	1.13
E4 - lower secondary	0.96	0.96	0.98	0.99	1.02	1.08
E5 - upper secondary	0.96	0.97	0.99	1.01	1.03	1.05
E6 - post-secondary	1.11	1.06	1.01	0.97	0.94	0.91
Mean years of schooling (male minus female)	0.1	0.1	0.0	0.0	0.0	-0.1
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	0.0%	1.3%	1.3%	1.2%	1.0%	0.7%
E2 - incomplete primary	1.1%	1.3%	0.9%	0.7%	0.6%	0.5%
E3 - primary	11.0%	8.3%	4.1%	2.6%	1.9%	1.5%
E4 - lower secondary	25.9%	21.5%	16.1%	11.6%	8.0%	5.6%
E5 - upper secondary	36.5%	40.1%	45.3%	46.9%	46.5%	44.7%
E6 - post-secondary	25.5%	27.5%	32.2%	37.0%	42.0%	46.9%
Mean years of schooling (in years)	11.2	11.3	11.8	12.2	12.5	12.7

Education scenarios
 SSP2/GET: Global Education Trend Scenario (Medium assumption)
 SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)
 SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

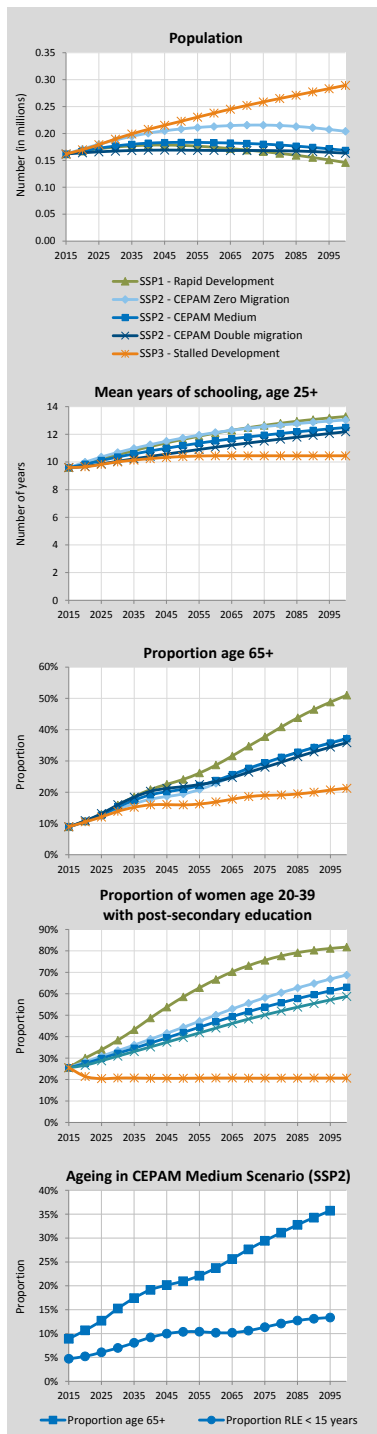
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Guam (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	0.16	0.17	0.17	0.18	0.17	0.17	0.15
SSP2 - CEPAM Zero Migration	0.16	0.17	0.19	0.21	0.21	0.22	0.20
SSP2 - CEPAM Medium	0.16	0.17	0.18	0.18	0.18	0.18	0.17
SSP2 - CEPAM Double Migration	0.16	0.16	0.17	0.17	0.17	0.17	0.16
SSP3 - Stalled Development	0.16	0.17	0.19	0.22	0.24	0.26	0.29
Proportion age 65+							
SSP1 - Rapid Development	8.9%	10.8%	15.9%	24.1%	28.7%	37.7%	51.0%
SSP2 - CEPAM Zero Migration	8.9%	10.5%	14.5%	19.4%	22.8%	29.2%	37.3%
SSP2 - CEPAM Medium	8.9%	10.7%	15.3%	20.9%	23.7%	29.4%	37.1%
SSP2 - CEPAM Double Migration	8.9%	10.9%	16.0%	21.8%	23.4%	28.0%	35.8%
SSP3 - Stalled Development	8.9%	10.5%	13.9%	15.9%	16.9%	19.0%	21.3%
Proportion below age 20							
SSP1 - Rapid Development	34.2%	31.9%	27.4%	20.4%	17.7%	14.5%	11.0%
SSP2 - CEPAM Zero Migration	34.2%	31.9%	28.5%	23.3%	21.1%	18.5%	15.9%
SSP2 - CEPAM Medium	34.2%	32.1%	28.7%	23.3%	21.1%	18.6%	16.0%
SSP2 - CEPAM Double Migration	34.2%	32.3%	28.8%	23.5%	21.4%	18.9%	16.3%
SSP3 - Stalled Development	34.2%	32.5%	31.3%	29.1%	28.3%	27.1%	26.2%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	25.5%	30.0%	38.4%	58.5%	66.7%	75.6%	81.8%
SSP2 - CEPAM Zero Migration	25.5%	28.2%	33.5%	44.4%	50.1%	58.2%	68.8%
SSP2 - CEPAM Medium	25.5%	27.5%	32.2%	42.0%	46.9%	53.8%	63.0%
SSP2 - CEPAM Double Migration	25.5%	26.7%	30.9%	39.6%	44.0%	50.1%	58.7%
SSP3 - Stalled Development	25.5%	21.5%	20.7%	20.6%	20.7%	20.6%	20.7%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	9.6	9.9	10.5	11.6	12.1	12.6	13.3
SSP2 - CEPAM Zero Migration	9.6	10.0	10.7	11.7	12.1	12.6	13.0
SSP2 - CEPAM Medium	9.6	9.8	10.4	11.2	11.5	11.9	12.5
SSP2 - CEPAM Double Migration	9.6	9.7	10.0	10.7	11.1	11.5	12.2
SSP3 - Stalled Development	9.6	9.6	10.0	10.4	10.4	10.4	10.4

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	2.19	1.98	1.72	1.48	1.42	1.38	1.39
SSP2 - CEPAM Zero Migration	2.27	2.14	1.95	1.71	1.64	1.59	1.60
SSP2 - CEPAM Medium	2.28	2.14	1.95	1.71	1.64	1.60	1.60
SSP2 - CEPAM Double Migration	2.28	2.15	1.96	1.71	1.65	1.60	1.61
SSP3 - Stalled Development	2.48	2.54	2.50	2.33	2.26	2.23	2.27
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	82.7	84.2	86.9	92.4	95.2	99.2	104.7
SSP2 - CEPAM Zero Migration	82.2	83.2	85.0	88.6	90.4	93.1	96.5
SSP2 - CEPAM Medium	82.2	83.2	84.9	88.4	90.2	92.8	96.3
SSP2 - CEPAM Double Migration	82.2	83.1	84.9	88.3	90.1	92.6	96.1
SSP3 - Stalled Development	81.7	82.1	82.8	84.3	85.0	85.9	87.2
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-3.3	-3.2	-3.0	-2.1	-1.7	-1.3	-0.9
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-3.3	-3.1	-2.8	-1.6	-1.0	-0.5	0.2
SSP2 - CEPAM Double Migration	-6.6	-5.7	-4.1	-1.2	-0.3	0.3	0.6
SSP3 - Stalled Development	-2.2	-1.1	0.0	0.0	0.0	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	30.1	31.6	34.7	41.1	43.8	48.2	53.1
Proportion age 65+	8.9%	10.7%	15.3%	20.9%	23.7%	29.4%	35.7%
Proportion RLE < 15 years	4.5%	4.7%	6.4%	10.1%	10.3%	11.2%	13.3%

Guatemala

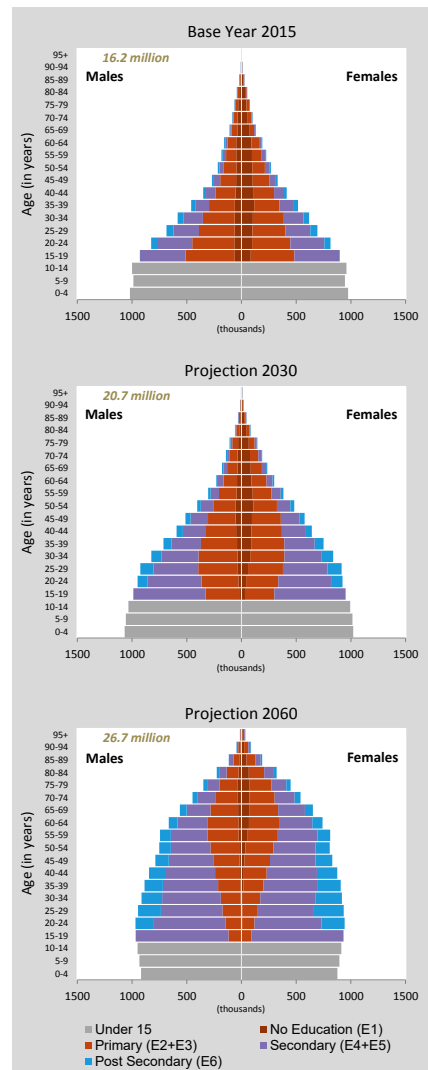
Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	16.25	17.76	20.65	23.17	25.20	26.70
Proportion age 65+	4.5%	5.0%	6.1%	7.9%	11.1%	15.1%
Proportion below age 20	47.5%	44.5%	39.3%	35.1%	30.9%	27.7%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	2.92	2.70	2.38	2.16	2.01	1.95
Life expectancy at birth (in years)						
Male	70.5	71.5	73.3	75.2	77.1	78.1
Female	76.9	77.9	79.7	81.5	83.3	85.1
Five-year net-migration flow (in thousands)	-200.4	-219.2	-254.9	-285.5	-309.7	-319.2

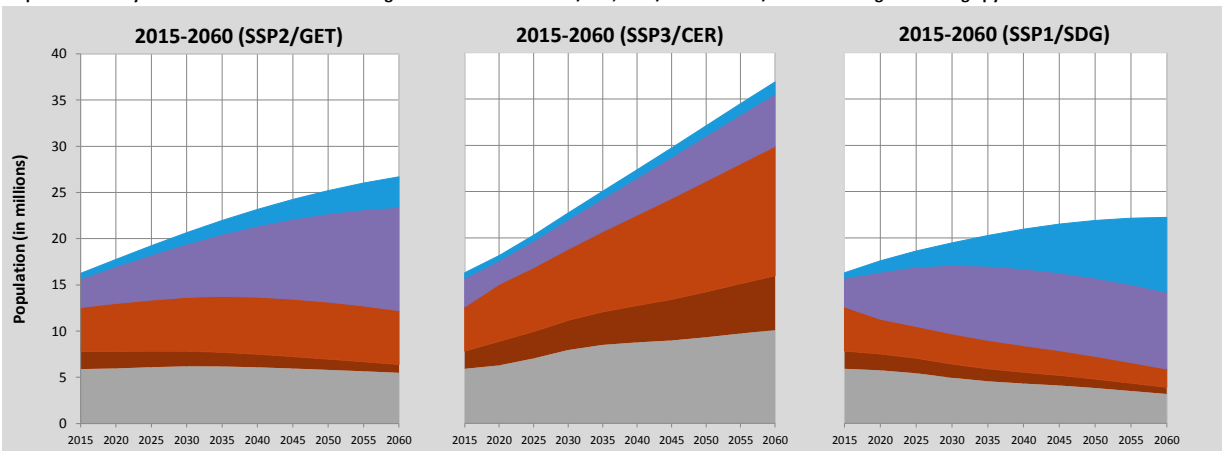
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	23.4%	20.0%	14.3%	10.3%	7.3%	5.1%
E2 - incomplete primary	26.9%	25.8%	23.1%	20.0%	16.8%	13.7%
E3 - primary	19.1%	19.7%	20.3%	20.0%	18.8%	17.2%
E4 - lower secondary	10.7%	11.8%	14.1%	15.9%	17.4%	18.3%
E5 - upper secondary	13.0%	14.8%	18.5%	22.1%	25.6%	29.0%
E6 - post-secondary	7.0%	7.9%	9.7%	11.7%	14.1%	16.8%
Mean years of schooling (in years)	5.6	6.1	6.9	7.7	8.4	9.0
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.61	0.58	0.53	0.51	0.50	0.48
E2 - incomplete primary	1.04	1.00	0.95	0.90	0.87	0.84
E3 - primary	1.40	1.41	1.40	1.38	1.35	1.34
E4 - lower secondary	1.18	1.15	1.10	1.09	1.09	1.10
E5 - upper secondary	1.05	1.06	1.05	1.05	1.05	1.05
E6 - post-secondary	1.23	1.17	1.07	0.99	0.93	0.88
Mean years of schooling (male minus female)	0.4	0.4	0.4	0.3	0.2	0.1
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	12.8%	10.1%	6.0%	3.3%	1.8%	0.9%
E2 - incomplete primary	24.9%	22.5%	17.6%	12.9%	8.6%	5.3%
E3 - primary	21.4%	21.3%	20.6%	18.3%	15.0%	12.0%
E4 - lower secondary	14.5%	15.6%	17.9%	19.6%	20.3%	19.5%
E5 - upper secondary	18.5%	21.2%	26.2%	31.2%	35.8%	39.8%
E6 - post-secondary	8.0%	9.2%	11.7%	14.7%	18.5%	22.4%
Mean years of schooling (in years)	6.5	7.1	8.1	9.1	10.0	10.7

Education scenarios
 SSP2/GET: Global Education Trend Scenario (Medium assumption)
 SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)
 SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

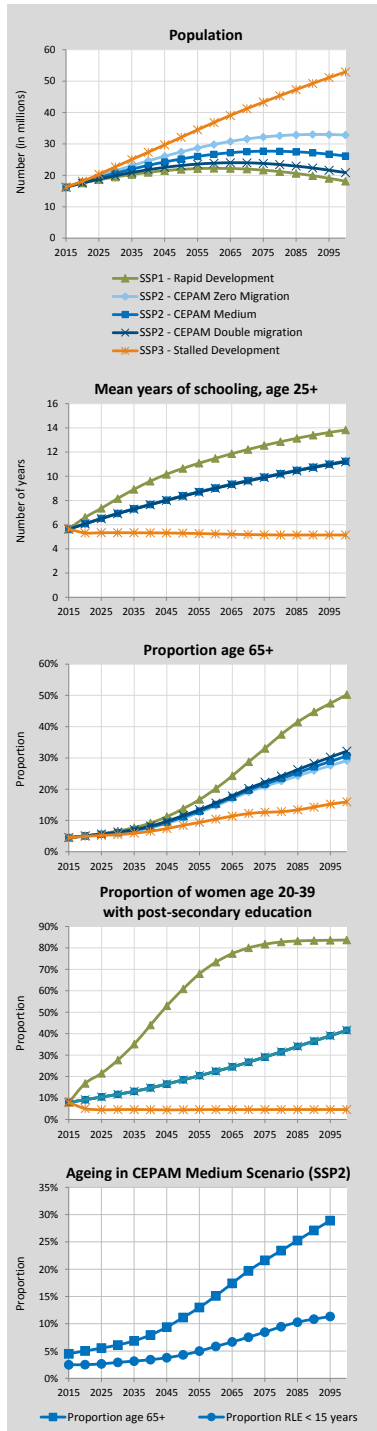
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Guatemala (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)	2015 2020 2030 2050 2060 2075 2100						
	Population (in millions)						
SSP1 - Rapid Development	16.25	17.54	19.47	21.89	22.23	21.66	18.14
SSP2 - CEPAM Zero Migration	16.25	17.98	21.43	27.45	29.82	32.20	32.85
SSP2 - CEPAM Medium	16.25	17.76	20.65	25.20	26.70	27.68	26.19
SSP2 - CEPAM Double Migration	16.25	17.54	19.90	23.12	23.88	23.78	20.86
SSP3 - Stalled Development	16.25	18.11	22.70	32.10	36.83	43.31	52.92
Proportion age 65+							
SSP1 - Rapid Development	4.5%	5.1%	6.6%	13.8%	20.2%	33.0%	50.2%
SSP2 - CEPAM Zero Migration	4.5%	5.0%	6.0%	10.7%	14.7%	20.9%	29.1%
SSP2 - CEPAM Medium	4.5%	5.0%	6.1%	11.1%	15.1%	21.6%	30.6%
SSP2 - CEPAM Double Migration	4.5%	5.1%	6.3%	11.6%	15.5%	22.3%	32.2%
SSP3 - Stalled Development	4.5%	4.9%	5.5%	8.4%	10.4%	12.6%	15.9%
Proportion below age 20							
SSP1 - Rapid Development	47.5%	43.7%	35.2%	23.9%	19.9%	15.2%	10.3%
SSP2 - CEPAM Zero Migration	47.5%	44.2%	38.9%	30.5%	27.3%	23.5%	19.0%
SSP2 - CEPAM Medium	47.5%	44.5%	39.3%	30.9%	27.7%	23.8%	19.0%
SSP2 - CEPAM Double Migration	47.5%	44.8%	39.8%	31.4%	28.1%	24.0%	18.9%
SSP3 - Stalled Development	47.5%	45.3%	43.5%	37.9%	35.7%	32.9%	30.1%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	8.0%	16.8%	27.7%	60.9%	73.4%	81.7%	83.7%
SSP2 - CEPAM Zero Migration	8.0%	9.2%	11.7%	18.4%	22.4%	29.1%	41.5%
SSP2 - CEPAM Medium	8.0%	9.2%	11.7%	18.5%	22.4%	29.1%	41.6%
SSP2 - CEPAM Double Migration	8.0%	9.2%	11.7%	18.5%	22.5%	29.2%	41.6%
SSP3 - Stalled Development	8.0%	5.1%	4.6%	4.5%	4.6%	4.6%	4.6%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	5.6	6.6	8.2	10.6	11.5	12.5	13.8
SSP2 - CEPAM Zero Migration	5.6	6.1	6.9	8.4	9.1	10.0	11.3
SSP2 - CEPAM Medium	5.6	6.1	6.9	8.4	9.0	9.9	11.2
SSP2 - CEPAM Double Migration	5.6	6.1	6.9	8.4	9.0	9.9	11.2
SSP3 - Stalled Development	5.6	5.3	5.3	5.3	5.2	5.2	5.1

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	2.61	2.13	1.70	1.44	1.37	1.27	1.18
SSP2 - CEPAM Zero Migration	2.92	2.70	2.38	2.01	1.90	1.75	1.61
SSP2 - CEPAM Medium	2.92	2.70	2.38	2.01	1.90	1.75	1.61
SSP2 - CEPAM Double Migration	2.92	2.70	2.38	2.01	1.90	1.75	1.61
SSP3 - Stalled Development	3.31	3.44	3.26	2.71	2.56	2.46	2.36
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	77.5	79.1	82.0	87.7	90.5	94.9	100.9
SSP2 - CEPAM Zero Migration	76.9	77.9	79.7	83.3	85.1	87.9	91.5
SSP2 - CEPAM Medium	76.9	77.9	79.7	83.3	85.1	87.9	91.5
SSP2 - CEPAM Double Migration	76.9	77.9	79.7	83.3	85.1	87.9	91.5
SSP3 - Stalled Development	76.3	76.6	77.1	78.2	78.7	79.4	80.7
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-200.6	-216.7	-240.5	-269.3	-272.1	-262.0	-225.4
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-200.4	-219.2	-254.9	-309.7	-326.6	-335.5	-320.1
SSP2 - CEPAM Double Migration	-400.9	-432.7	-490.3	-565.9	-581.0	-572.1	-512.3
SSP3 - Stalled Development	-133.6	-74.6	-0.2	-0.4	-0.4	-0.5	-0.6

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	21.3	22.7	25.9	32.4	35.9	41.1	47.1
Proportion age 65+	4.5%	5.0%	6.1%	11.1%	15.1%	21.6%	28.9%
Proportion RLE < 15 years	2.5%	2.5%	3.0%	4.5%	6.0%	8.5%	11.4%

Guinea

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	12.09	13.64	16.59	19.36	21.73	23.52
Proportion age 65+	3.1%	3.3%	3.8%	4.3%	5.5%	7.4%
Proportion below age 20	53.3%	52.1%	47.5%	41.8%	37.1%	32.6%
Total Fertility Rate	4.56	3.95	3.15	2.57	2.21	2.09
Life expectancy at birth (in years)						
Male	60.3	61.2	63.1	64.8	66.7	67.6
Female	61.5	62.6	64.8	67.0	69.3	71.5
Five-year net-migration flow (in thousands)	-75.0	-92.6	-126.9	-160.0	-188.2	-199.7

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	61.1%	53.8%	43.1%	34.8%	27.2%	20.8%
E2 - incomplete primary	10.5%	12.4%	14.3%	13.9%	13.1%	11.9%
E3 - primary	7.1%	8.3%	9.6%	10.3%	10.6%	10.7%
E4 - lower secondary	7.2%	8.6%	11.1%	13.6%	15.8%	17.4%
E5 - upper secondary	7.3%	8.9%	11.9%	15.3%	19.0%	22.9%
E6 - post-secondary	6.9%	8.0%	9.9%	12.0%	14.2%	16.4%
Mean years of schooling (in years)	3.6	4.3	5.5	6.6	7.7	8.7
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.65	0.64	0.63	0.61	0.58	0.57
E2 - incomplete primary	1.42	1.13	0.93	0.81	0.73	0.66
E3 - primary	1.51	1.36	1.16	1.03	0.97	0.89
E4 - lower secondary	2.42	2.06	1.62	1.36	1.17	1.04
E5 - upper secondary	2.60	2.21	1.85	1.66	1.52	1.42
E6 - post-secondary	2.89	2.49	2.13	1.95	1.84	1.77
Mean years of schooling (male minus female)	1.4	1.4	1.4	1.3	1.3	1.2
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	43.1%	35.9%	29.8%	24.4%	16.9%	10.4%
E2 - incomplete primary	15.1%	16.6%	16.0%	12.9%	11.0%	9.0%
E3 - primary	10.4%	11.2%	11.3%	10.7%	10.8%	10.3%
E4 - lower secondary	12.3%	13.3%	14.6%	17.2%	19.1%	19.8%
E5 - upper secondary	11.6%	14.0%	17.3%	21.5%	26.5%	32.2%
E6 - post-secondary	7.6%	9.0%	11.1%	13.2%	15.7%	18.4%
Mean years of schooling (in years)	3.8	4.7	5.8	6.9	8.2	9.5

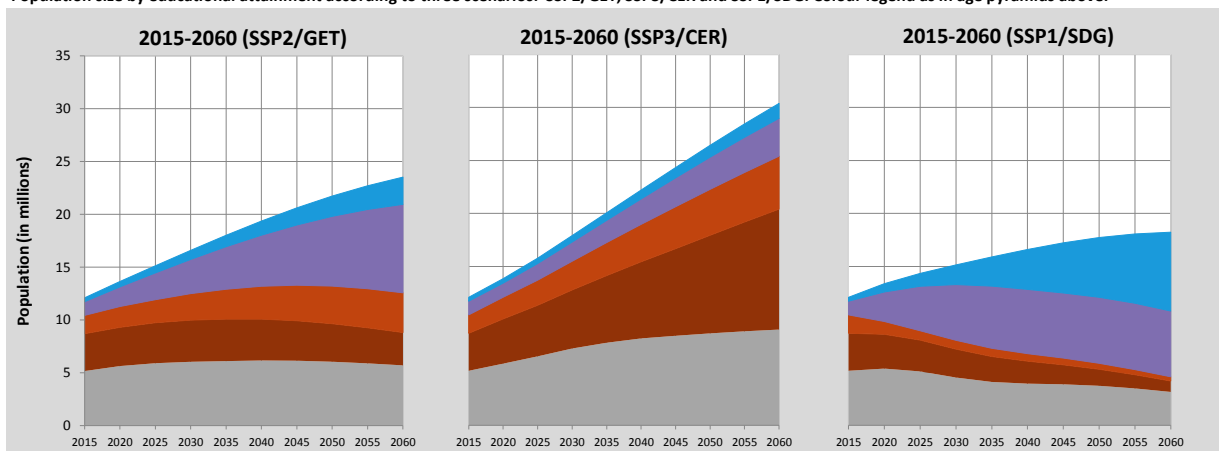
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

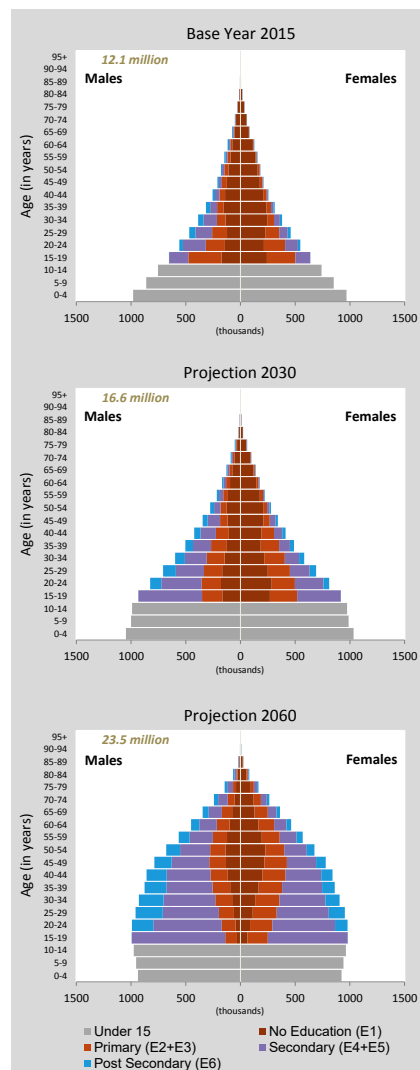
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

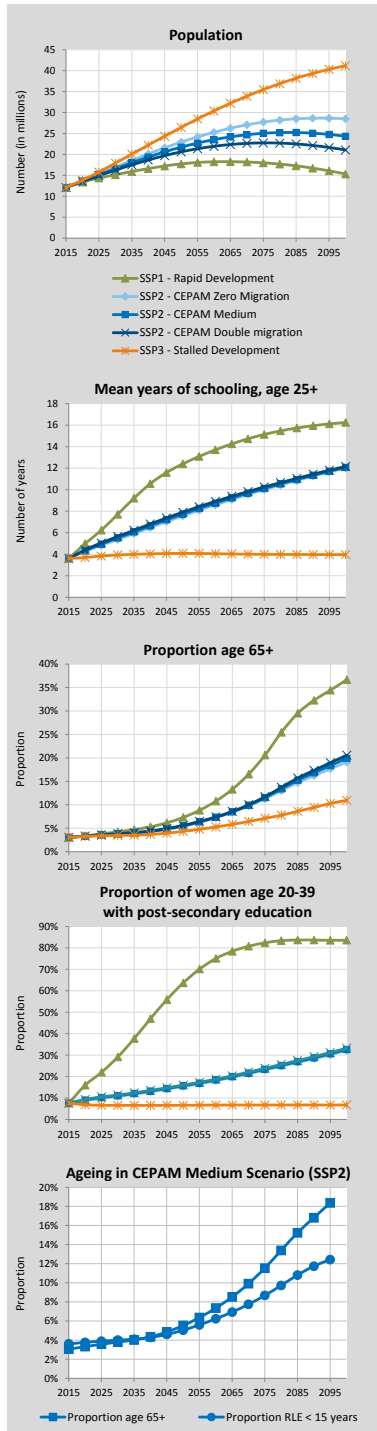
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



Guinea (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	12.09	13.38	15.15	17.73	18.23	17.99	15.32
SSP2 - CEPAM Zero Migration	12.09	13.73	16.95	22.94	25.28	27.70	28.51
SSP2 - CEPAM Medium	12.09	13.64	16.59	21.73	23.52	25.04	24.35
SSP2 - CEPAM Double Migration	12.09	13.55	16.23	20.61	21.93	22.75	21.07
SSP3 - Stalled Development	12.09	13.85	17.92	26.44	30.39	35.46	41.18
Proportion age 65+							
SSP1 - Rapid Development	3.1%	3.4%	4.2%	7.3%	10.8%	20.6%	36.7%
SSP2 - CEPAM Zero Migration	3.1%	3.3%	3.7%	5.4%	7.3%	11.3%	19.1%
SSP2 - CEPAM Medium	3.1%	3.3%	3.8%	5.5%	7.4%	11.5%	19.9%
SSP2 - CEPAM Double Migration	3.1%	3.3%	3.8%	5.6%	7.4%	11.7%	20.6%
SSP3 - Stalled Development	3.1%	3.3%	3.5%	4.3%	5.3%	7.1%	11.0%
Proportion below age 20							
SSP1 - Rapid Development	53.3%	51.1%	42.1%	28.4%	24.1%	18.1%	13.0%
SSP2 - CEPAM Zero Migration	53.3%	52.0%	47.3%	36.8%	32.4%	27.5%	22.3%
SSP2 - CEPAM Medium	53.3%	52.1%	47.5%	37.1%	32.6%	27.5%	22.2%
SSP2 - CEPAM Double Migration	53.3%	52.2%	47.8%	37.3%	32.8%	27.6%	22.1%
SSP3 - Stalled Development	53.3%	52.7%	50.9%	43.0%	39.1%	34.8%	31.2%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	7.6%	16.0%	29.1%	63.7%	75.1%	82.4%	83.6%
SSP2 - CEPAM Zero Migration	7.6%	8.8%	10.8%	15.4%	18.1%	23.0%	32.2%
SSP2 - CEPAM Medium	7.6%	9.0%	11.1%	15.7%	18.4%	23.4%	32.6%
SSP2 - CEPAM Double Migration	7.6%	9.3%	11.4%	16.0%	18.8%	23.9%	33.2%
SSP3 - Stalled Development	7.6%	6.8%	6.6%	6.6%	6.7%	6.7%	6.7%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	3.6	5.0	7.7	12.4	13.7	15.1	16.2
SSP2 - CEPAM Zero Migration	3.6	4.3	5.4	7.6	8.6	10.0	12.0
SSP2 - CEPAM Medium	3.6	4.3	5.5	7.7	8.7	10.1	12.1
SSP2 - CEPAM Double Migration	3.6	4.4	5.6	7.9	8.9	10.3	12.2
SSP3 - Stalled Development	3.6	3.7	3.9	4.1	4.0	4.0	4.0

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	4.00	2.95	2.04	1.52	1.39	1.27	1.16
SSP2 - CEPAM Zero Migration	4.57	3.96	3.16	2.21	1.99	1.81	1.64
SSP2 - CEPAM Medium	4.56	3.95	3.15	2.21	1.99	1.81	1.64
SSP2 - CEPAM Double Migration	4.56	3.93	3.14	2.21	1.99	1.81	1.64
SSP3 - Stalled Development	5.01	4.75	4.12	2.90	2.61	2.43	2.33
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	62.2	64.2	68.2	74.8	77.9	82.9	89.4
SSP2 - CEPAM Zero Migration	61.5	62.6	64.8	69.2	71.4	74.7	79.1
SSP2 - CEPAM Medium	61.5	62.6	64.8	69.3	71.5	74.8	79.2
SSP2 - CEPAM Double Migration	61.5	62.7	64.9	69.3	71.5	74.8	79.2
SSP3 - Stalled Development	61.0	61.3	62.2	63.6	64.3	65.5	67.3
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-75.0	-89.4	-108.3	-137.2	-142.8	-139.0	-115.4
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-75.0	-92.6	-126.9	-188.2	-209.3	-226.0	-218.9
SSP2 - CEPAM Double Migration	-150.1	-183.2	-244.7	-346.3	-375.3	-388.3	-349.7
SSP3 - Stalled Development	-50.0	-31.7	-0.1	-0.2	-0.3	-0.3	-0.4

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	18.4	19.0	21.2	27.3	30.6	35.4	40.9
Proportion age 65+	3.1%	3.3%	3.8%	5.5%	7.4%	11.5%	18.4%
Proportion RLE < 15 years	3.7%	3.8%	4.0%	5.0%	6.1%	8.4%	12.1%

Guinea-Bissau

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	1.77	1.97	2.31	2.61	2.84	2.98
Proportion age 65+	2.9%	3.2%	3.6%	4.3%	5.9%	7.8%
Proportion below age 20	52.2%	51.3%	46.9%	40.7%	36.5%	32.4%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	4.36	3.77	3.01	2.49	2.18	2.07
Life expectancy at birth (in years)						
Male	56.3	57.2	59.0	60.8	62.7	63.6
Female	59.8	60.7	62.7	64.6	66.6	68.6
Five-year net-migration flow (in thousands)	-29.7	-33.2	-39.1	-44.2	-48.2	-49.5

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	49.7%	43.2%	31.5%	23.2%	16.6%	11.5%
E2 - incomplete primary	20.7%	21.5%	22.3%	19.6%	16.9%	14.2%
E3 - primary	10.6%	12.5%	15.5%	17.5%	18.2%	17.8%
E4 - lower secondary	6.1%	7.1%	9.6%	12.1%	14.2%	15.8%
E5 - upper secondary	11.0%	13.4%	18.5%	24.6%	30.6%	36.6%
E6 - post-secondary	1.9%	2.2%	2.5%	2.9%	3.5%	4.2%
Mean years of schooling (in years)	3.5	4.1	5.3	6.4	7.4	8.3
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.48	0.46	0.45	0.45	0.45	0.45
E2 - incomplete primary	1.73	1.45	1.07	0.92	0.82	0.73
E3 - primary	2.13	1.84	1.49	1.25	1.09	0.98
E4 - lower secondary	2.13	1.91	1.59	1.39	1.26	1.16
E5 - upper secondary	2.18	1.93	1.61	1.41	1.30	1.22
E6 - post-secondary	5.86	4.20	3.17	2.78	2.64	2.53
Mean years of schooling (male minus female)	1.3	1.2	1.1	1.0	0.8	0.7
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	33.6%	26.0%	16.0%	11.7%	7.5%	4.0%
E2 - incomplete primary	22.5%	23.7%	21.0%	15.2%	11.4%	8.2%
E3 - primary	17.5%	18.3%	19.7%	19.5%	18.2%	15.5%
E4 - lower secondary	10.7%	11.3%	13.7%	15.9%	17.2%	17.9%
E5 - upper secondary	14.5%	19.0%	27.1%	34.5%	41.7%	49.2%
E6 - post-secondary	1.2%	1.7%	2.5%	3.2%	4.1%	5.2%
Mean years of schooling (in years)	3.6	4.6	6.3	7.4	8.4	9.4

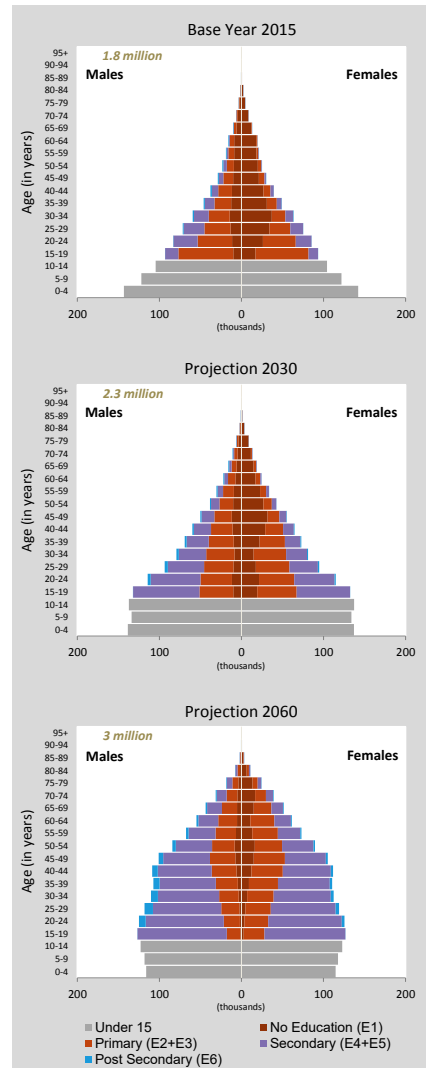
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

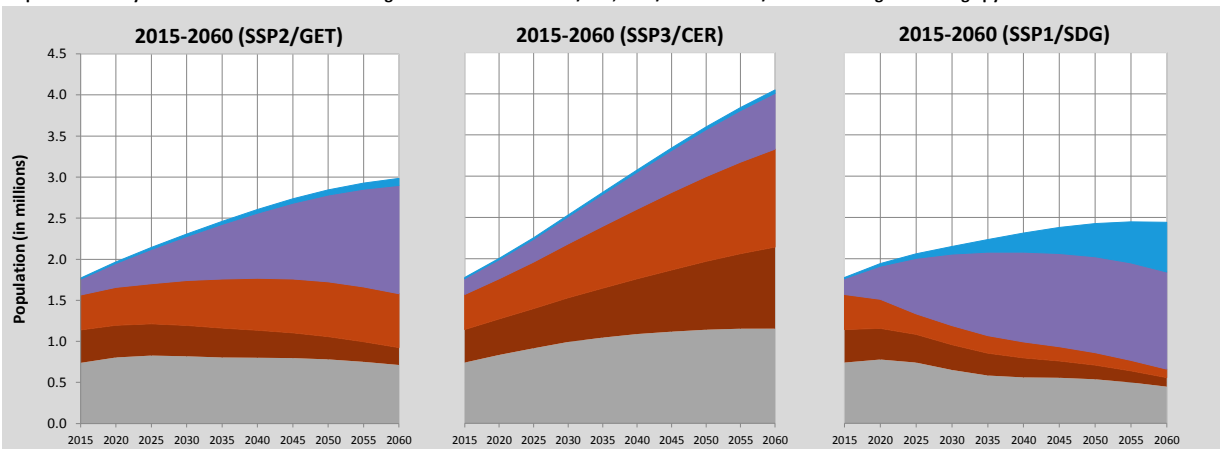
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

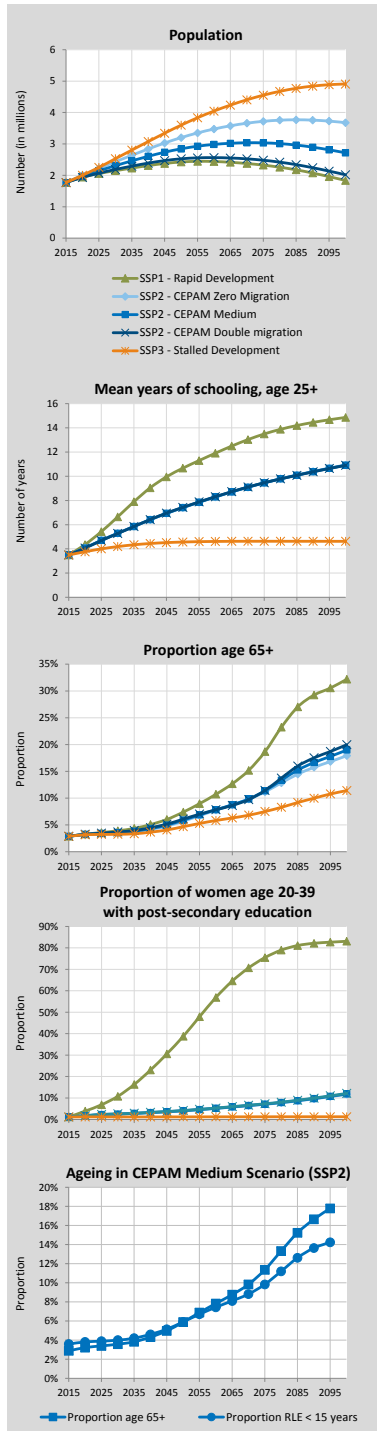
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Guinea-Bissau (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)		2015	2020	2030	2050	2060	2075	2100
Population (in millions)								
SSP1 - Rapid Development		1.77	1.94	2.15	2.42	2.44	2.32	1.84
SSP2 - CEPAM Zero Migration		1.77	2.00	2.43	3.20	3.47	3.72	3.68
SSP2 - CEPAM Medium		1.77	1.97	2.31	2.84	2.98	3.03	2.72
SSP2 - CEPAM Double Migration		1.77	1.93	2.19	2.53	2.56	2.48	2.02
SSP3 - Stalled Development		1.77	2.00	2.53	3.60	4.05	4.55	4.91
Proportion age 65+								
SSP1 - Rapid Development		2.9%	3.3%	3.9%	7.4%	10.7%	18.7%	32.2%
SSP2 - CEPAM Zero Migration		2.9%	3.2%	3.5%	5.7%	7.8%	11.2%	17.9%
SSP2 - CEPAM Medium		2.9%	3.2%	3.6%	5.9%	7.8%	11.4%	19.0%
SSP2 - CEPAM Double Migration		2.9%	3.3%	3.7%	6.1%	7.8%	11.4%	20.0%
SSP3 - Stalled Development		2.9%	3.2%	3.3%	4.7%	5.8%	7.5%	11.4%
Proportion below age 20								
SSP1 - Rapid Development		52.2%	50.6%	42.6%	29.5%	25.5%	19.7%	14.7%
SSP2 - CEPAM Zero Migration		52.2%	50.9%	46.2%	35.7%	31.7%	27.0%	22.3%
SSP2 - CEPAM Medium		52.2%	51.3%	46.9%	36.5%	32.4%	27.4%	22.3%
SSP2 - CEPAM Double Migration		52.2%	51.7%	47.7%	37.4%	33.2%	27.8%	22.3%
SSP3 - Stalled Development		52.2%	51.8%	49.6%	41.4%	37.5%	33.0%	29.0%
Proportion of women age 20-39 with post-secondary education								
SSP1 - Rapid Development		1.2%	3.9%	10.8%	38.8%	56.9%	75.5%	83.1%
SSP2 - CEPAM Zero Migration		1.2%	1.7%	2.4%	4.0%	5.1%	7.1%	11.7%
SSP2 - CEPAM Medium		1.2%	1.7%	2.5%	4.1%	5.2%	7.2%	11.9%
SSP2 - CEPAM Double Migration		1.2%	1.8%	2.6%	4.2%	5.3%	7.3%	12.1%
SSP3 - Stalled Development		1.2%	1.2%	1.2%	1.2%	1.2%	1.2%	1.3%
Mean years of schooling, age 25+								
SSP1 - Rapid Development		3.5	4.4	6.6	10.7	11.9	13.5	14.9
SSP2 - CEPAM Zero Migration		3.5	4.1	5.3	7.4	8.3	9.5	10.9
SSP2 - CEPAM Medium		3.5	4.1	5.3	7.4	8.3	9.5	10.9
SSP2 - CEPAM Double Migration		3.5	4.1	5.3	7.4	8.3	9.5	10.9
SSP3 - Stalled Development		3.5	3.8	4.2	4.6	4.6	4.6	4.6

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	3.93	2.94	2.07	1.62	1.51	1.37	1.22
SSP2 - CEPAM Zero Migration	4.36	3.77	3.01	2.18	1.98	1.80	1.63
SSP2 - CEPAM Medium	4.36	3.77	3.01	2.18	1.98	1.80	1.63
SSP2 - CEPAM Double Migration	4.36	3.77	3.01	2.18	1.98	1.80	1.63
SSP3 - Stalled Development	4.74	4.49	3.92	2.79	2.52	2.32	2.18
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	60.3	62.3	66.2	72.3	75.2	79.6	85.4
SSP2 - CEPAM Zero Migration	59.8	60.7	62.7	66.6	68.6	71.5	75.5
SSP2 - CEPAM Medium	59.8	60.7	62.7	66.6	68.6	71.6	75.5
SSP2 - CEPAM Double Migration	59.8	60.7	62.7	66.6	68.6	71.6	75.5
SSP3 - Stalled Development	59.2	59.4	59.9	60.6	61.0	61.7	62.9
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-29.7	-32.7	-36.4	-41.0	-41.0	-38.4	-31.3
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-29.7	-33.2	-39.1	-48.2	-50.4	-50.7	-46.0
SSP2 - CEPAM Double Migration	-59.4	-65.1	-73.8	-85.0	-85.7	-81.7	-67.9
SSP3 - Stalled Development	-19.8	-11.3	0.0	0.0	0.0	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	18.9	19.4	21.5	27.8	30.9	35.4	40.9
Proportion age 65+	2.9%	3.2%	3.6%	5.9%	7.8%	11.4%	17.8%
Proportion RLE < 15 years	3.7%	4.0%	4.1%	6.0%	7.6%	9.8%	14.3%

Guyana

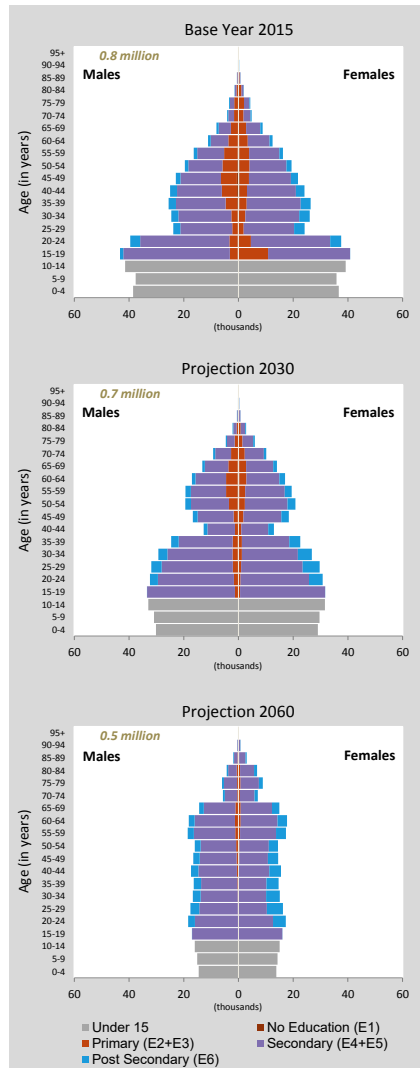
Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	0.77	0.76	0.72	0.65	0.57	0.49
Proportion age 65+	5.0%	5.9%	9.0%	12.2%	14.0%	15.0%
Proportion below age 20	40.8%	38.4%	34.8%	31.3%	27.6%	24.6%
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	2.39	2.20	1.98	1.78	1.71	1.68
Life expectancy at birth (in years)						
Male	64.5	65.7	68.2	70.6	73.0	74.2
Female	69.3	70.5	73.0	75.4	77.9	80.3
Five-year net-migration flow (in thousands)	-53.4	-52.5	-49.0	-43.9	-38.1	-35.4

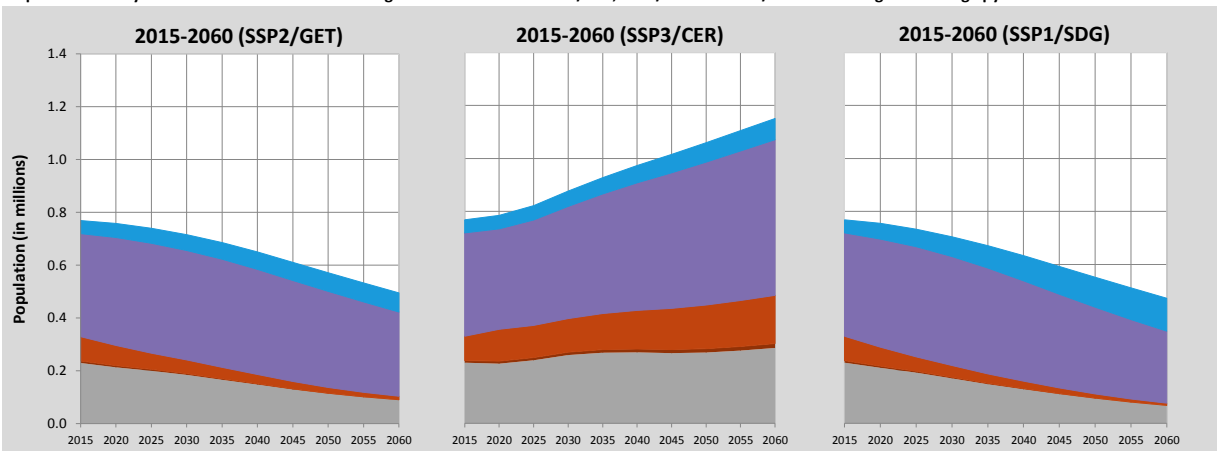
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	1.8%	1.6%	1.2%	0.9%	0.6%	0.4%
E2 - incomplete primary	4.0%	3.1%	1.8%	1.0%	0.5%	0.3%
E3 - primary	14.8%	13.1%	10.0%	7.5%	5.2%	3.6%
E4 - lower secondary	28.6%	27.8%	25.2%	22.5%	19.2%	16.0%
E5 - upper secondary	40.1%	43.0%	48.8%	53.4%	57.4%	60.4%
E6 - post-secondary	10.7%	11.4%	12.9%	14.8%	17.0%	19.4%
Mean years of schooling (in years)	9.8	10.0	10.4	10.8	11.1	11.3
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	1.18	1.22	1.30	1.33	1.43	1.47
E2 - incomplete primary	1.32	1.41	1.66	1.79	1.77	1.69
E3 - primary	1.34	1.34	1.38	1.41	1.42	1.43
E4 - lower secondary	1.18	1.23	1.32	1.41	1.51	1.62
E5 - upper secondary	0.83	0.84	0.88	0.92	0.96	1.02
E6 - post-secondary	0.77	0.74	0.69	0.64	0.62	0.59
Mean years of schooling (male minus female)	-0.2	-0.3	-0.3	-0.3	-0.3	-0.3
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	1.0%	0.8%	0.4%	0.2%	0.1%	0.1%
E2 - incomplete primary	1.1%	0.7%	0.2%	0.1%	0.1%	0.0%
E3 - primary	8.9%	6.8%	4.7%	3.1%	1.7%	0.9%
E4 - lower secondary	28.3%	25.0%	19.3%	14.8%	11.2%	8.3%
E5 - upper secondary	48.9%	54.2%	60.8%	64.7%	66.6%	67.1%
E6 - post-secondary	11.8%	12.6%	14.5%	17.1%	20.3%	23.6%
Mean years of schooling (in years)	10.7	10.9	11.4	11.7	11.9	12.2

Education scenarios
 SSP2/GET: Global Education Trend Scenario (Medium assumption)
 SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)
 SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

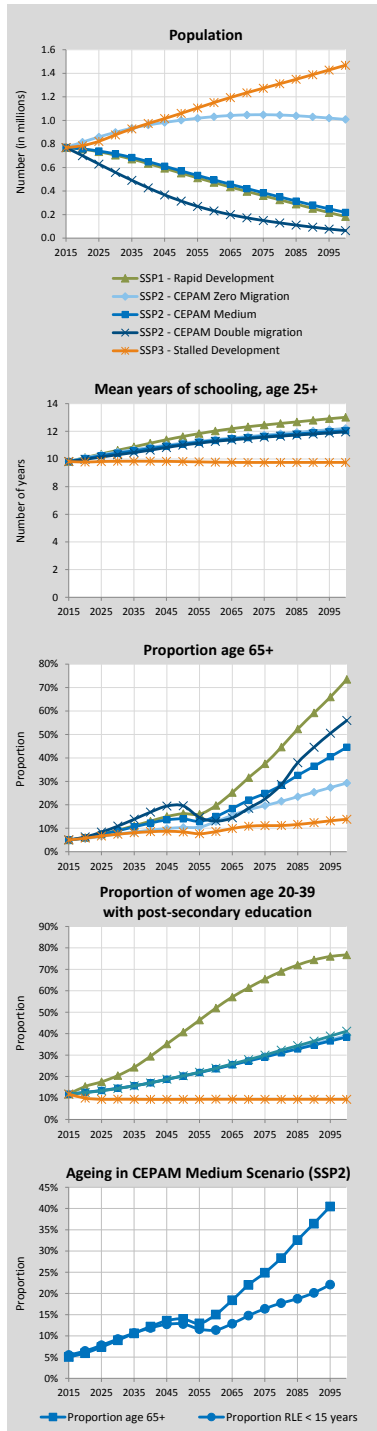
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Guyana (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)

	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	0.77	0.76	0.70	0.55	0.47	0.36	0.18
SSP2 - CEPAM Zero Migration	0.77	0.82	0.90	1.00	1.03	1.05	1.01
SSP2 - CEPAM Medium	0.77	0.76	0.72	0.57	0.49	0.39	0.22
SSP2 - CEPAM Double Migration	0.77	0.70	0.56	0.32	0.23	0.15	0.06
SSP3 - Stalled Development	0.77	0.79	0.88	1.06	1.15	1.27	1.47
Proportion age 65+							
SSP1 - Rapid Development	5.0%	6.0%	9.2%	16.2%	19.7%	37.5%	73.5%
SSP2 - CEPAM Zero Migration	5.0%	5.6%	7.5%	10.3%	12.8%	19.6%	29.3%
SSP2 - CEPAM Medium	5.0%	5.9%	9.0%	14.0%	15.0%	24.9%	44.5%
SSP2 - CEPAM Double Migration	5.0%	6.3%	10.9%	19.6%	13.1%	22.5%	55.9%
SSP3 - Stalled Development	5.0%	5.8%	7.5%	8.4%	8.6%	11.1%	13.8%
Proportion below age 20							
SSP1 - Rapid Development	40.8%	38.2%	33.4%	24.1%	19.9%	14.1%	5.4%
SSP2 - CEPAM Zero Migration	40.8%	37.3%	33.4%	26.7%	24.2%	21.4%	18.2%
SSP2 - CEPAM Medium	40.8%	38.4%	34.8%	27.6%	24.6%	20.4%	14.5%
SSP2 - CEPAM Double Migration	40.8%	39.7%	36.7%	30.4%	27.9%	21.9%	12.8%
SSP3 - Stalled Development	40.8%	38.8%	37.4%	33.6%	32.3%	30.7%	29.4%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	11.8%	15.4%	20.5%	40.7%	52.0%	65.4%	76.8%
SSP2 - CEPAM Zero Migration	11.8%	12.6%	14.6%	20.4%	23.8%	29.5%	39.1%
SSP2 - CEPAM Medium	11.8%	12.6%	14.5%	20.3%	23.6%	29.1%	38.4%
SSP2 - CEPAM Double Migration	11.8%	12.5%	14.4%	20.4%	23.9%	30.0%	41.2%
SSP3 - Stalled Development	11.8%	9.9%	9.4%	9.4%	9.4%	9.4%	9.4%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	9.8	10.1	10.6	11.6	12.0	12.5	13.0
SSP2 - CEPAM Zero Migration	9.8	10.1	10.5	11.1	11.4	11.7	12.2
SSP2 - CEPAM Medium	9.8	10.0	10.4	11.1	11.3	11.6	12.1
SSP2 - CEPAM Double Migration	9.8	10.0	10.3	11.0	11.3	11.6	12.0
SSP3 - Stalled Development	9.8	9.8	9.8	9.8	9.8	9.7	9.8

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	2.29	2.02	1.73	1.46	1.42	1.38	1.38
SSP2 - CEPAM Zero Migration	2.39	2.20	1.98	1.71	1.66	1.61	1.61
SSP2 - CEPAM Medium	2.39	2.20	1.98	1.71	1.66	1.61	1.61
SSP2 - CEPAM Double Migration	2.39	2.20	1.98	1.71	1.66	1.61	1.61
SSP3 - Stalled Development	2.67	2.75	2.65	2.34	2.28	2.25	2.29
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	69.8	71.5	75.0	81.9	85.4	90.5	97.0
SSP2 - CEPAM Zero Migration	69.3	70.5	73.0	77.9	80.4	84.0	89.0
SSP2 - CEPAM Medium	69.3	70.5	73.0	77.9	80.3	84.0	88.9
SSP2 - CEPAM Double Migration	69.3	70.5	72.9	59.7	69.1	81.1	88.4
SSP3 - Stalled Development	68.6	69.1	70.5	73.4	74.9	77.0	79.8
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-53.5	-52.4	-48.4	-37.2	-31.6	-23.6	-12.9
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-53.4	-52.5	-49.0	-38.1	-32.7	-24.8	-15.0
SSP2 - CEPAM Double Migration	-106.9	-96.6	-75.2	-39.8	-28.5	-17.3	-6.6
SSP3 - Stalled Development	-35.6	-18.2	0.0	0.0	0.0	-0.1	-0.1

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	24.6	25.7	28.7	34.7	38.9	47.0	58.3
Proportion age 65+	5.0%	5.9%	9.0%	14.0%	15.0%	24.9%	40.5%
Proportion RLE < 15 years	5.5%	6.4%	9.1%	13.3%	11.1%	16.0%	22.3%

Haiti

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	10.71	11.42	12.59	13.45	13.97	14.12
Proportion age 65+	4.6%	5.1%	6.4%	7.9%	11.1%	14.8%
Proportion below age 20	44.2%	41.7%	36.6%	32.1%	28.6%	25.8%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	2.80	2.53	2.18	1.98	1.86	1.81
Life expectancy at birth (in years)						
Male	61.5	62.6	64.6	66.7	68.8	69.9
Female	65.9	66.9	68.9	70.9	72.9	75.0
Five-year net-migration flow (in thousands)	-111.5	-118.9	-130.9	-139.4	-144.0	-144.8

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	42.0%	36.4%	27.7%	20.9%	15.3%	11.0%
E2 - incomplete primary	15.2%	15.1%	13.2%	10.4%	7.9%	5.6%
E3 - primary	12.1%	12.6%	12.7%	12.0%	10.7%	9.1%
E4 - lower secondary	11.1%	12.6%	15.4%	17.4%	18.3%	18.1%
E5 - upper secondary	18.2%	21.5%	28.7%	36.3%	44.0%	51.3%
E6 - post-secondary	1.5%	1.8%	2.3%	3.0%	3.8%	4.9%
Mean years of schooling (in years)	4.9	5.5	6.8	8.0	9.1	10.0
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.78	0.78	0.77	0.77	0.78	0.79
E2 - incomplete primary	1.07	1.00	0.93	0.89	0.85	0.80
E3 - primary	1.19	1.17	1.15	1.13	1.12	1.11
E4 - lower secondary	1.39	1.33	1.27	1.24	1.25	1.27
E5 - upper secondary	1.14	1.10	1.05	1.00	0.97	0.96
E6 - post-secondary	2.02	1.92	1.69	1.50	1.33	1.18
Mean years of schooling (male minus female)	0.5	0.5	0.4	0.3	0.2	0.1
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	22.3%	18.7%	14.4%	10.4%	6.2%	3.1%
E2 - incomplete primary	16.0%	14.3%	8.3%	3.6%	1.3%	0.4%
E3 - primary	14.9%	14.2%	11.9%	9.2%	6.5%	4.0%
E4 - lower secondary	17.4%	18.2%	19.9%	20.0%	18.3%	14.9%
E5 - upper secondary	27.6%	32.5%	42.6%	52.8%	62.2%	70.1%
E6 - post-secondary	1.9%	2.2%	3.0%	4.1%	5.5%	7.3%
Mean years of schooling (in years)	6.7	7.5	8.9	10.2	11.4	12.3

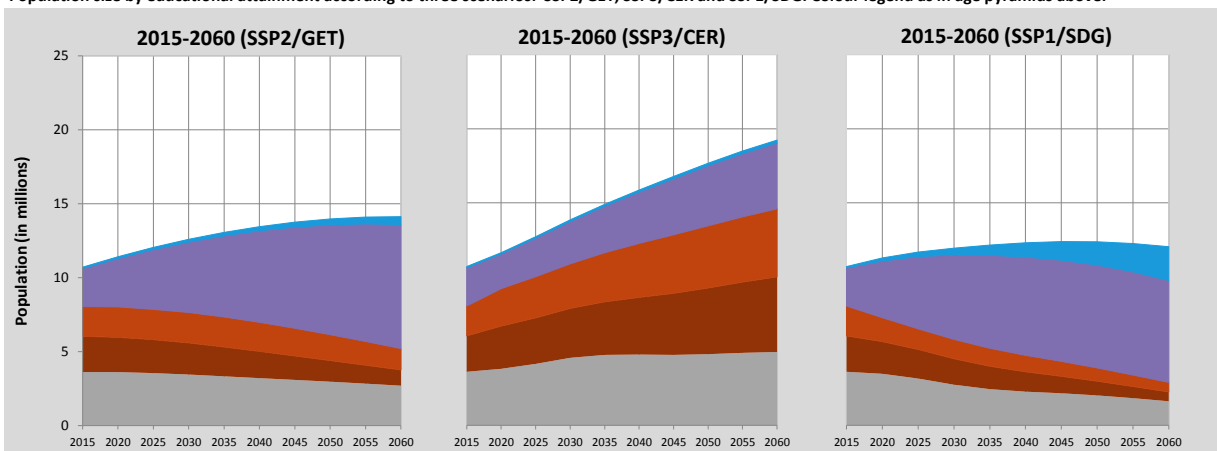
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

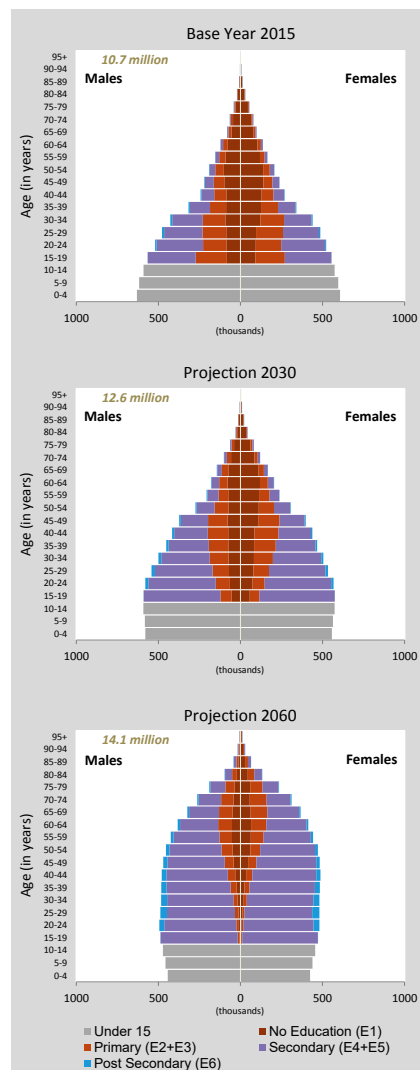
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

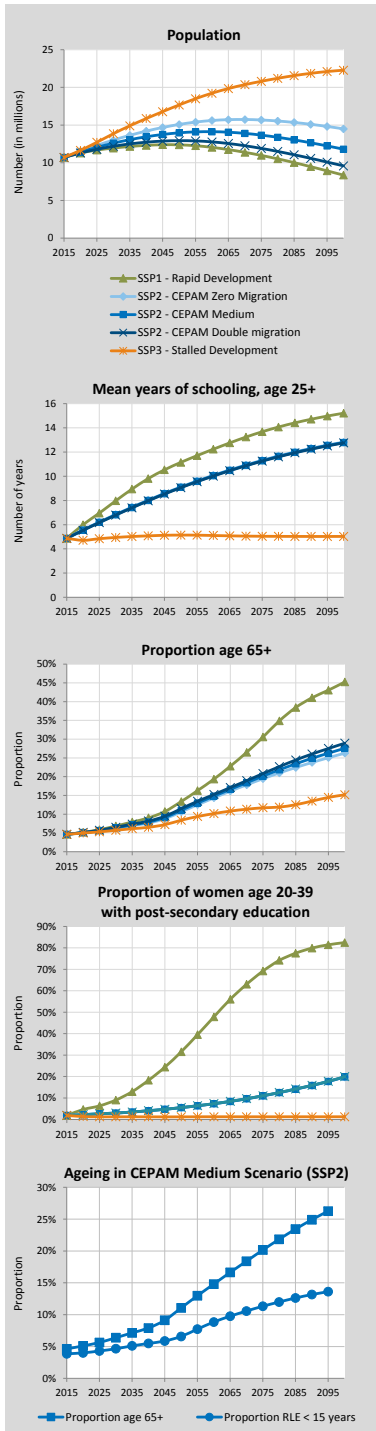
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



Haiti (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)		2015	2020	2030	2050	2060	2075	2100
Population (in millions)								
SSP1 - Rapid Development		10.71	11.29	11.95	12.38	12.05	10.98	8.36
SSP2 - CEPAM Zero Migration		10.71	11.54	13.01	15.08	15.61	15.68	14.51
SSP2 - CEPAM Medium		10.71	11.42	12.59	13.97	14.12	13.67	11.80
SSP2 - CEPAM Double Migration		10.71	11.29	12.19	12.93	12.77	11.91	9.59
SSP3 - Stalled Development		10.71	11.65	13.86	17.67	19.23	20.81	22.29
Proportion age 65+								
SSP1 - Rapid Development		4.6%	5.2%	6.9%	13.4%	19.4%	30.6%	45.2%
SSP2 - CEPAM Zero Migration		4.6%	5.1%	6.2%	10.6%	14.3%	19.5%	26.3%
SSP2 - CEPAM Medium		4.6%	5.1%	6.4%	11.1%	14.8%	20.2%	27.6%
SSP2 - CEPAM Double Migration		4.6%	5.1%	6.5%	11.5%	15.3%	20.8%	28.9%
SSP3 - Stalled Development		4.6%	5.0%	5.7%	8.4%	10.2%	11.7%	15.2%
Proportion below age 20								
SSP1 - Rapid Development		44.2%	41.0%	32.7%	22.3%	19.0%	14.7%	10.8%
SSP2 - CEPAM Zero Migration		44.2%	41.5%	36.3%	28.3%	25.6%	22.5%	19.1%
SSP2 - CEPAM Medium		44.2%	41.7%	36.6%	28.6%	25.8%	22.6%	19.0%
SSP2 - CEPAM Double Migration		44.2%	41.9%	36.9%	28.9%	26.1%	22.6%	18.9%
SSP3 - Stalled Development		44.2%	42.6%	41.3%	35.9%	33.8%	30.8%	28.2%
Proportion of women age 20-39 with post-secondary education								
SSP1 - Rapid Development		1.9%	4.6%	9.0%	31.6%	47.8%	69.2%	82.5%
SSP2 - CEPAM Zero Migration		1.9%	2.2%	3.0%	5.5%	7.3%	11.0%	19.8%
SSP2 - CEPAM Medium		1.9%	2.2%	3.0%	5.5%	7.3%	11.0%	19.8%
SSP2 - CEPAM Double Migration		1.9%	2.3%	3.0%	5.5%	7.4%	11.1%	19.9%
SSP3 - Stalled Development		1.9%	1.3%	1.2%	1.2%	1.2%	1.2%	1.2%
Mean years of schooling, age 25+								
SSP1 - Rapid Development		4.9	6.0	8.0	11.1	12.2	13.7	15.2
SSP2 - CEPAM Zero Migration		4.9	5.6	6.8	9.1	10.1	11.3	12.8
SSP2 - CEPAM Medium		4.9	5.5	6.8	9.1	10.0	11.3	12.8
SSP2 - CEPAM Double Migration		4.9	5.5	6.8	9.1	10.0	11.2	12.8
SSP3 - Stalled Development		4.9	4.7	4.9	5.1	5.1	5.0	5.0

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	2.49	1.98	1.53	1.35	1.27	1.20	1.14
SSP2 - CEPAM Zero Migration	2.80	2.53	2.18	1.86	1.76	1.66	1.56
SSP2 - CEPAM Medium	2.80	2.53	2.18	1.86	1.76	1.66	1.56
SSP2 - CEPAM Double Migration	2.80	2.53	2.18	1.86	1.76	1.66	1.56
SSP3 - Stalled Development	3.24	3.36	3.16	2.56	2.37	2.25	2.20
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	66.5	68.2	71.6	77.6	80.6	85.2	91.2
SSP2 - CEPAM Zero Migration	65.9	66.9	68.9	72.9	75.0	78.0	82.0
SSP2 - CEPAM Medium	65.9	66.9	68.9	72.9	75.0	78.0	82.0
SSP2 - CEPAM Double Migration	65.9	66.9	68.9	72.9	75.0	78.0	82.0
SSP3 - Stalled Development	65.3	65.4	65.8	66.5	67.0	67.9	69.7
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-111.6	-117.7	-124.4	-127.7	-123.3	-110.7	-88.2
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-111.5	-118.9	-130.9	-144.0	-144.5	-138.3	-122.4
SSP2 - CEPAM Double Migration	-223.1	-235.2	-253.0	-265.6	-260.0	-239.1	-199.5
SSP3 - Stalled Development	-74.3	-40.4	-0.1	-0.1	-0.2	-0.2	-0.2

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	23.0	24.3	27.5	34.3	37.6	41.8	46.4
Proportion age 65+	4.6%	5.1%	6.4%	11.1%	14.8%	20.2%	26.3%
Proportion RLE < 15 years	3.9%	4.0%	4.6%	6.6%	8.9%	11.3%	13.6%

Honduras

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	8.96	9.71	11.14	12.35	13.30	13.97
Proportion age 65+	4.4%	5.1%	6.9%	9.6%	13.6%	18.4%
Proportion below age 20	43.9%	40.4%	34.9%	31.2%	27.4%	24.6%
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	2.47	2.34	2.14	1.99	1.89	1.85
Life expectancy at birth (in years)						
Male	71.3	72.4	74.6	76.8	79.0	80.1
Female	76.4	77.5	79.6	81.8	83.9	86.0
Five-year net-migration flow (in thousands)	-47.3	-51.3	-59.1	-65.5	-70.3	-72.1

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	20.5%	17.6%	12.8%	9.5%	7.0%	5.0%
E2 - incomplete primary	28.6%	26.7%	23.0%	19.3%	15.9%	12.6%
E3 - primary	27.6%	29.0%	31.1%	31.8%	31.1%	29.4%
E4 - lower secondary	8.0%	9.5%	11.8%	13.8%	15.8%	17.4%
E5 - upper secondary	10.4%	11.7%	14.3%	17.1%	20.1%	23.4%
E6 - post-secondary	4.9%	5.6%	6.9%	8.4%	10.1%	12.2%
Mean years of schooling (in years)	5.3	5.8	6.5	7.2	7.8	8.4
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.96	0.98	1.00	1.02	1.04	1.06
E2 - incomplete primary	1.04	1.03	1.01	1.00	1.00	1.00
E3 - primary	1.05	1.07	1.08	1.09	1.09	1.10
E4 - lower secondary	1.04	0.99	1.00	1.01	1.03	1.06
E5 - upper secondary	0.81	0.81	0.85	0.88	0.90	0.93
E6 - post-secondary	1.04	0.99	0.94	0.90	0.87	0.83
Mean years of schooling (male minus female)	0.0	-0.1	-0.1	-0.1	-0.1	-0.1
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	11.7%	9.5%	5.6%	3.2%	1.7%	0.9%
E2 - incomplete primary	23.2%	20.5%	15.3%	10.6%	6.7%	4.1%
E3 - primary	33.0%	33.5%	33.6%	31.6%	26.9%	21.3%
E4 - lower secondary	11.9%	13.5%	16.4%	18.6%	20.7%	21.3%
E5 - upper secondary	14.8%	16.6%	20.5%	25.0%	30.1%	35.0%
E6 - post-secondary	5.5%	6.5%	8.6%	11.0%	14.0%	17.4%
Mean years of schooling (in years)	6.7	7.2	8.0	8.8	9.6	10.3

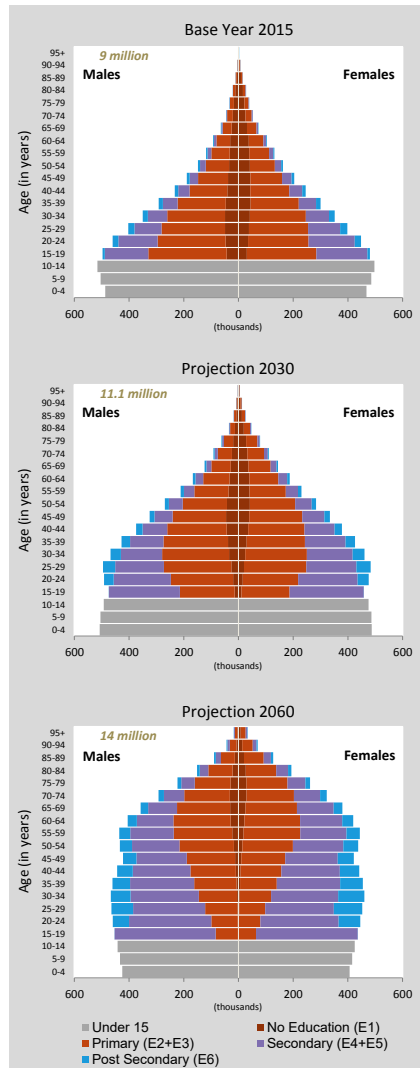
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

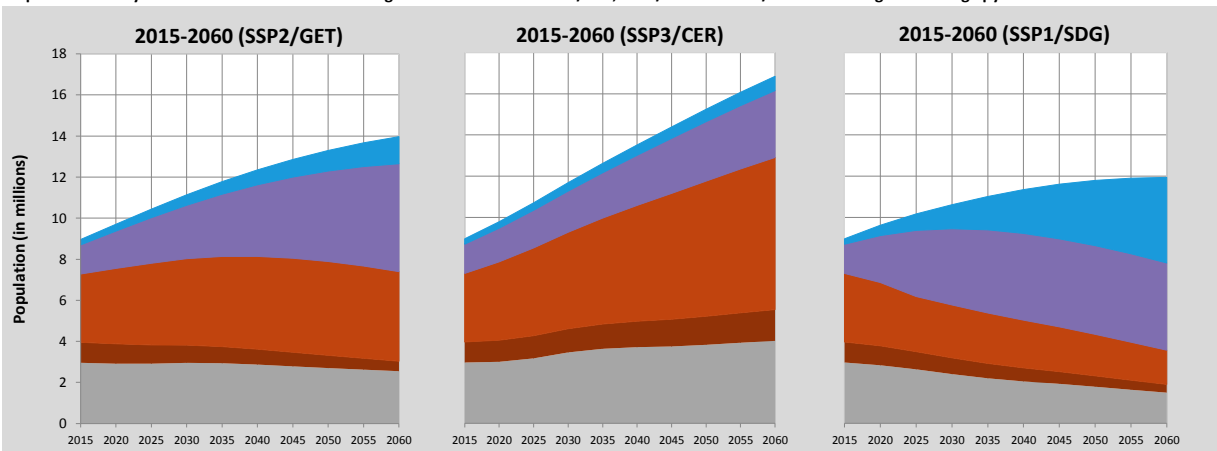
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

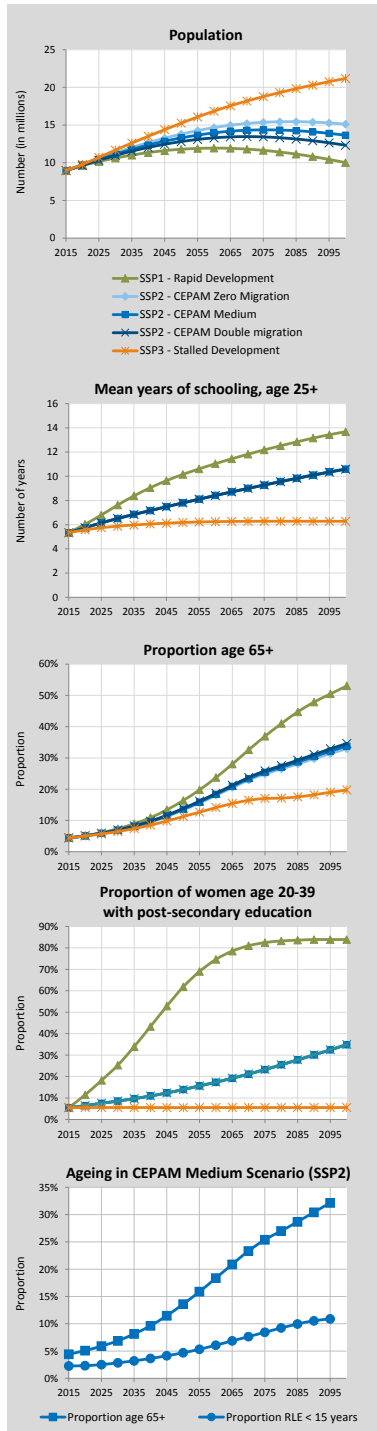
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Honduras (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	8.96	9.62	10.62	11.79	11.94	11.65	10.02
SSP2 - CEPAM Zero Migration	8.96	9.76	11.31	13.80	14.66	15.36	15.12
SSP2 - CEPAM Medium	8.96	9.71	11.14	13.30	13.97	14.37	13.66
SSP2 - CEPAM Double Migration	8.96	9.65	10.96	12.81	13.30	13.43	12.33
SSP3 - Stalled Development	8.96	9.79	11.69	15.25	16.85	18.77	21.19
Proportion age 65+							
SSP1 - Rapid Development	4.4%	5.2%	7.4%	16.4%	23.7%	36.9%	53.0%
SSP2 - CEPAM Zero Migration	4.4%	5.1%	6.8%	13.3%	18.0%	24.9%	32.9%
SSP2 - CEPAM Medium	4.4%	5.1%	6.9%	13.6%	18.4%	25.4%	33.8%
SSP2 - CEPAM Double Migration	4.4%	5.1%	7.0%	13.9%	18.7%	25.9%	34.6%
SSP3 - Stalled Development	4.4%	5.0%	6.4%	11.2%	14.1%	17.0%	19.7%
Proportion below age 20							
SSP1 - Rapid Development	43.9%	39.8%	31.3%	20.8%	17.4%	13.5%	9.4%
SSP2 - CEPAM Zero Migration	43.9%	40.3%	34.7%	27.3%	24.5%	21.2%	17.5%
SSP2 - CEPAM Medium	43.9%	40.4%	34.9%	27.4%	24.6%	21.3%	17.4%
SSP2 - CEPAM Double Migration	43.9%	40.5%	35.0%	27.6%	24.7%	21.3%	17.3%
SSP3 - Stalled Development	43.9%	40.8%	37.5%	33.0%	31.2%	29.0%	26.7%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	5.5%	11.5%	25.3%	61.8%	74.6%	82.5%	83.9%
SSP2 - CEPAM Zero Migration	5.5%	6.4%	8.6%	13.9%	17.3%	23.2%	34.8%
SSP2 - CEPAM Medium	5.5%	6.5%	8.6%	14.0%	17.4%	23.3%	34.9%
SSP2 - CEPAM Double Migration	5.5%	6.5%	8.6%	14.0%	17.4%	23.3%	34.9%
SSP3 - Stalled Development	5.5%	5.6%	5.6%	5.5%	5.6%	5.6%	5.6%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	5.3	6.0	7.6	10.2	11.0	12.2	13.7
SSP2 - CEPAM Zero Migration	5.3	5.8	6.5	7.8	8.4	9.3	10.6
SSP2 - CEPAM Medium	5.3	5.8	6.5	7.8	8.4	9.3	10.6
SSP2 - CEPAM Double Migration	5.3	5.7	6.5	7.8	8.4	9.3	10.6
SSP3 - Stalled Development	5.3	5.6	5.9	6.2	6.2	6.3	6.3

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	2.24	1.87	1.52	1.35	1.32	1.22	1.16
SSP2 - CEPAM Zero Migration	2.47	2.34	2.14	1.89	1.82	1.69	1.58
SSP2 - CEPAM Medium	2.47	2.34	2.14	1.89	1.82	1.69	1.58
SSP2 - CEPAM Double Migration	2.47	2.34	2.14	1.89	1.82	1.69	1.58
SSP3 - Stalled Development	2.66	2.72	2.72	2.47	2.37	2.26	2.20
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	77.0	78.7	82.1	88.4	91.5	96.4	103.0
SSP2 - CEPAM Zero Migration	76.4	77.5	79.6	83.9	86.0	89.2	93.5
SSP2 - CEPAM Medium	76.4	77.5	79.6	83.9	86.0	89.2	93.5
SSP2 - CEPAM Double Migration	76.4	77.5	79.6	83.9	86.0	89.2	93.5
SSP3 - Stalled Development	75.9	76.4	77.4	79.3	80.2	81.5	83.3
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-47.3	-50.9	-56.3	-62.3	-62.7	-60.5	-53.2
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-47.3	-51.3	-59.1	-70.3	-73.5	-74.9	-71.6
SSP2 - CEPAM Double Migration	-94.6	-102.1	-116.2	-135.0	-139.4	-139.1	-128.9
SSP3 - Stalled Development	-31.5	-17.3	0.0	0.0	0.0	-0.1	-0.1

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	23.0	24.8	28.7	36.0	39.4	44.3	49.9
Proportion age 65+	4.4%	5.1%	6.9%	13.6%	18.4%	25.4%	32.1%
Proportion RLE < 15 years	2.2%	2.3%	2.8%	4.6%	5.9%	8.3%	11.1%

Hong Kong

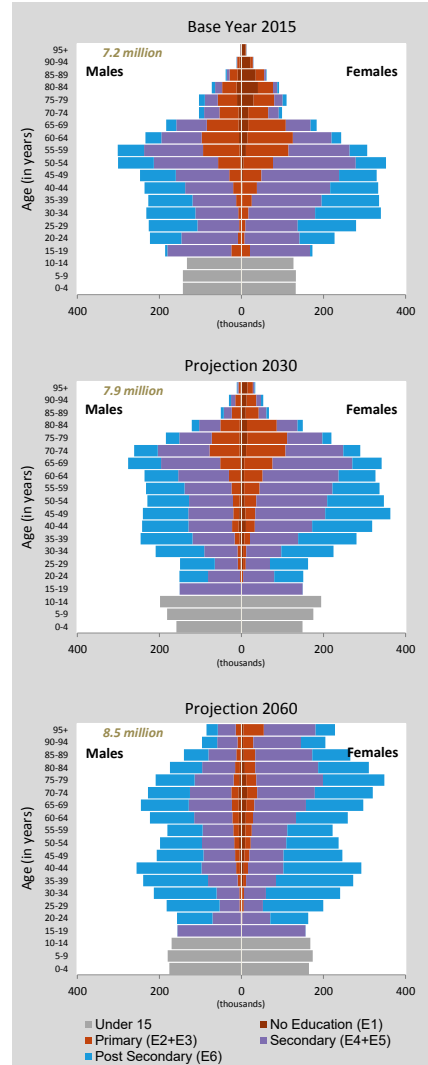
Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	7.25	7.50	7.89	8.11	8.28	8.49
Proportion age 65+	15.2%	18.2%	26.5%	31.8%	35.6%	37.2%
Proportion below age 20	16.1%	16.1%	17.2%	15.5%	14.5%	15.8%
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	1.20	1.21	1.26	1.31	1.38	1.41
Life expectancy at birth (in years)						
Male	81.2	82.2	84.2	86.2	88.2	89.2
Female	87.1	88.1	90.1	92.1	94.1	96.1
Five-year net-migration flow (in thousands)	136.1	150.4	178.7	207.3	230.3	237.4

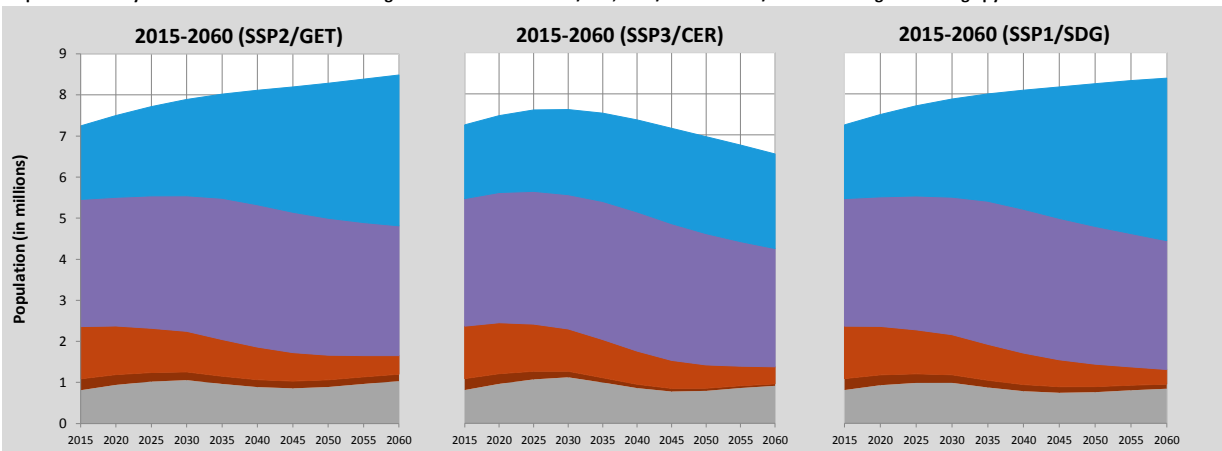
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	5.0%	4.2%	3.2%	2.8%	2.6%	2.5%
E2 - incomplete primary	7.0%	6.0%	4.5%	3.2%	2.2%	1.7%
E3 - primary	14.6%	13.4%	11.3%	9.0%	6.6%	4.9%
E4 - lower secondary	16.7%	16.3%	15.4%	14.1%	12.1%	10.1%
E5 - upper secondary	28.2%	29.0%	30.3%	30.9%	30.5%	29.6%
E6 - post-secondary	28.7%	31.1%	35.4%	40.0%	46.0%	51.2%
Mean years of schooling (in years)	11.4	11.6	12.1	12.5	12.8	13.0
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.41	0.43	0.52	0.63	0.70	0.72
E2 - incomplete primary	0.88	0.82	0.73	0.69	0.71	0.81
E3 - primary	1.05	1.01	0.94	0.86	0.80	0.81
E4 - lower secondary	1.08	1.07	1.04	1.00	0.94	0.91
E5 - upper secondary	0.95	0.96	0.96	0.97	0.98	1.00
E6 - post-secondary	1.16	1.15	1.14	1.12	1.10	1.06
Mean years of schooling (male minus female)	0.3	0.3	0.2	0.2	0.1	0.1
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	0.2%	1.4%	1.7%	1.6%	1.1%	0.8%
E2 - incomplete primary	0.5%	0.9%	1.1%	0.9%	0.6%	0.5%
E3 - primary	3.8%	3.5%	2.6%	2.1%	1.6%	1.5%
E4 - lower secondary	12.9%	10.6%	7.4%	4.9%	3.5%	3.0%
E5 - upper secondary	37.1%	35.9%	34.3%	32.9%	28.5%	26.2%
E6 - post-secondary	45.5%	47.6%	52.9%	57.7%	64.7%	68.1%
Mean years of schooling (in years)	13.6	13.4	13.1	13.3	13.7	13.9

Education scenarios
 SSP2/GET: Global Education Trend Scenario (Medium assumption)
 SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)
 SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

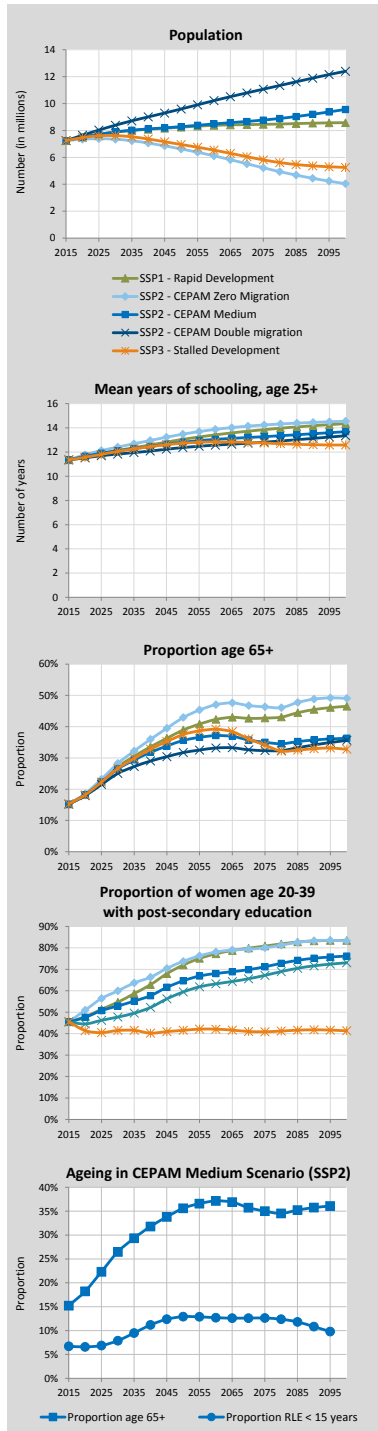
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Hong Kong (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	7.25	7.50	7.87	8.24	8.38	8.45	8.58
SSP2 - CEPAM Zero Migration	7.25	7.35	7.35	6.63	6.12	5.23	4.04
SSP2 - CEPAM Medium	7.25	7.50	7.89	8.28	8.49	8.77	9.57
SSP2 - CEPAM Double Migration	7.25	7.65	8.39	9.60	10.22	11.07	12.40
SSP3 - Stalled Development	7.25	7.47	7.62	6.96	6.54	5.82	5.26
Proportion age 65+							
SSP1 - Rapid Development	15.2%	18.3%	27.2%	38.9%	42.3%	42.7%	46.5%
SSP2 - CEPAM Zero Migration	15.2%	18.5%	28.3%	42.9%	47.0%	46.3%	49.1%
SSP2 - CEPAM Medium	15.2%	18.2%	26.5%	35.6%	37.2%	35.0%	36.3%
SSP2 - CEPAM Double Migration	15.2%	17.9%	25.0%	31.7%	33.2%	32.3%	35.6%
SSP3 - Stalled Development	15.2%	18.2%	26.6%	37.5%	39.2%	34.1%	32.8%
Proportion below age 20							
SSP1 - Rapid Development	16.1%	15.9%	16.3%	12.5%	13.2%	13.0%	13.0%
SSP2 - CEPAM Zero Migration	16.1%	15.9%	16.4%	11.6%	12.7%	12.3%	13.0%
SSP2 - CEPAM Medium	16.1%	16.1%	17.2%	14.5%	15.8%	16.3%	17.0%
SSP2 - CEPAM Double Migration	16.1%	16.2%	17.9%	16.1%	17.2%	17.5%	17.4%
SSP3 - Stalled Development	16.1%	16.4%	18.4%	15.3%	17.8%	18.6%	21.0%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	45.5%	47.9%	54.7%	72.0%	77.3%	80.9%	83.4%
SSP2 - CEPAM Zero Migration	45.5%	51.0%	60.0%	73.7%	78.1%	80.1%	83.3%
SSP2 - CEPAM Medium	45.5%	47.6%	52.9%	64.7%	68.1%	71.2%	76.2%
SSP2 - CEPAM Double Migration	45.5%	44.5%	47.8%	59.5%	63.2%	67.2%	73.1%
SSP3 - Stalled Development	45.5%	41.4%	41.5%	41.6%	42.1%	40.9%	41.3%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	11.4	11.7	12.1	13.0	13.4	13.9	14.3
SSP2 - CEPAM Zero Migration	11.4	11.8	12.4	13.5	13.9	14.2	14.5
SSP2 - CEPAM Medium	11.4	11.6	12.1	12.8	13.0	13.3	13.7
SSP2 - CEPAM Double Migration	11.4	11.5	11.8	12.4	12.6	12.8	13.3
SSP3 - Stalled Development	11.4	11.6	12.0	12.7	12.8	12.7	12.6

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.16	1.12	1.11	1.20	1.24	1.28	1.32
SSP2 - CEPAM Zero Migration	1.19	1.19	1.25	1.38	1.42	1.46	1.51
SSP2 - CEPAM Medium	1.20	1.21	1.26	1.38	1.43	1.47	1.51
SSP2 - CEPAM Double Migration	1.20	1.22	1.27	1.39	1.44	1.47	1.52
SSP3 - Stalled Development	1.30	1.42	1.58	1.81	1.88	1.95	2.02
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	87.6	89.1	92.1	98.1	101.1	105.6	111.7
SSP2 - CEPAM Zero Migration	87.1	88.2	90.2	94.2	96.2	99.3	103.4
SSP2 - CEPAM Medium	87.1	88.1	90.1	94.1	96.1	99.0	103.0
SSP2 - CEPAM Double Migration	87.1	88.1	90.1	94.0	96.0	98.9	102.9
SSP3 - Stalled Development	86.6	87.1	88.1	90.1	91.1	92.5	94.3
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	136.1	148.4	166.5	194.4	194.4	182.2	141.9
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	136.1	150.4	178.7	230.3	241.8	243.3	214.6
SSP2 - CEPAM Double Migration	272.2	289.2	317.7	358.3	350.0	312.9	223.9
SSP3 - Stalled Development	90.7	51.6	0.2	0.3	0.4	0.5	0.6

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	43.2	45.1	48.8	54.2	52.6	52.4	51.8
Proportion age 65+	15.2%	18.2%	26.5%	35.6%	37.2%	35.0%	36.1%
Proportion RLE < 15 years	5.9%	5.8%	6.2%	12.3%	13.1%	13.6%	10.3%

Iceland

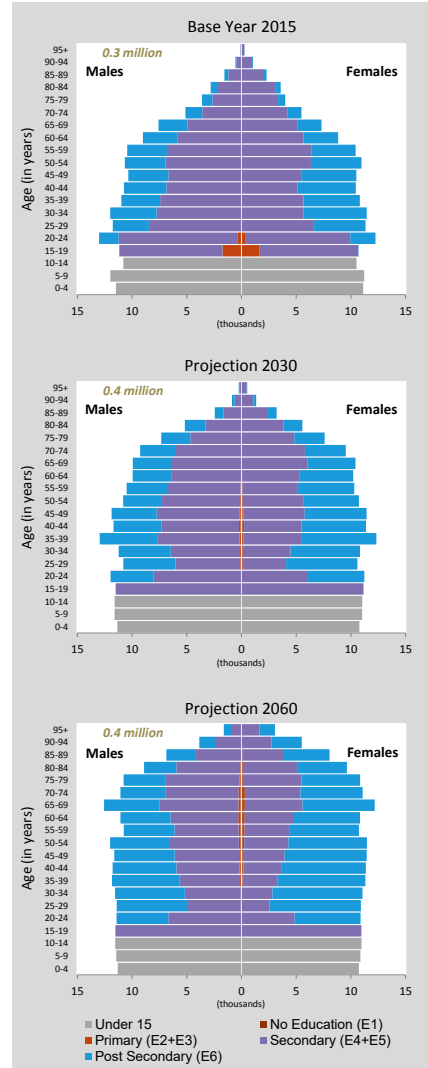
Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	0.33	0.34	0.36	0.38	0.40	0.41
Proportion age 65+	13.7%	15.6%	20.2%	23.1%	25.6%	28.4%
Proportion below age 20	26.9%	26.2%	24.7%	23.3%	22.4%	21.9%
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	1.98	1.98	1.98	2.00	1.99	1.99
Life expectancy at birth (in years)						
Male	81.6	82.6	84.6	86.7	88.8	89.8
Female	84.4	85.5	87.7	89.8	92.0	94.1
Five-year net-migration flow (in thousands)	0.3	0.4	0.6	0.8	0.9	0.9

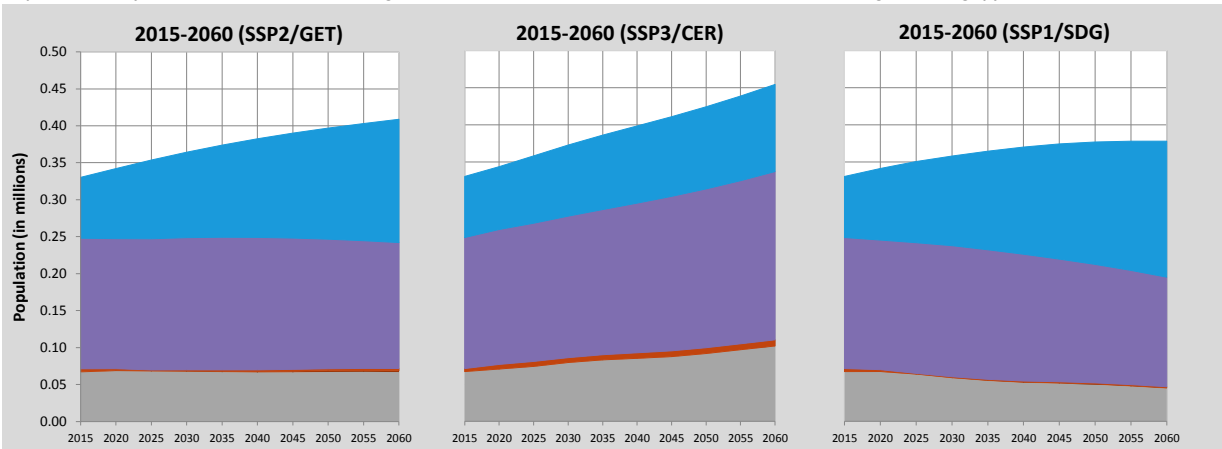
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	0.0%	0.2%	0.4%	0.5%	0.6%	0.6%
E2 - incomplete primary	0.0%	0.1%	0.2%	0.2%	0.3%	0.3%
E3 - primary	0.0%	0.2%	0.4%	0.5%	0.6%	0.7%
E4 - lower secondary	32.5%	30.0%	25.8%	22.3%	19.0%	15.9%
E5 - upper secondary	31.2%	31.0%	30.8%	30.7%	30.4%	29.9%
E6 - post-secondary	36.2%	38.6%	42.4%	45.7%	49.1%	52.5%
Mean years of schooling (in years)	13.2	13.5	13.9	14.2	14.6	14.9
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.45	0.70	0.72	0.74	0.75	0.73
E2 - incomplete primary	1.01	1.01	1.01	1.01	1.00	0.98
E3 - primary	1.02	1.09	1.11	1.11	1.09	1.07
E4 - lower secondary	0.87	0.95	1.13	1.34	1.57	1.80
E5 - upper secondary	1.41	1.36	1.27	1.24	1.23	1.25
E6 - post-secondary	0.84	0.81	0.78	0.75	0.74	0.74
Mean years of schooling (male minus female)	0.0	-0.1	-0.2	-0.3	-0.4	-0.4
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	0.0%	0.3%	0.4%	0.4%	0.3%	0.2%
E2 - incomplete primary	0.0%	0.2%	0.2%	0.2%	0.1%	0.1%
E3 - primary	0.7%	0.6%	0.5%	0.4%	0.3%	0.3%
E4 - lower secondary	30.1%	24.2%	16.5%	12.4%	9.2%	6.7%
E5 - upper secondary	36.2%	35.3%	35.2%	34.7%	33.8%	32.5%
E6 - post-secondary	32.9%	39.4%	47.3%	51.9%	56.3%	60.3%
Mean years of schooling (in years)	14.3	14.7	15.3	15.7	16.0	16.2

Education scenarios
 SSP2/GET: Global Education Trend Scenario (Medium assumption)
 SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)
 SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

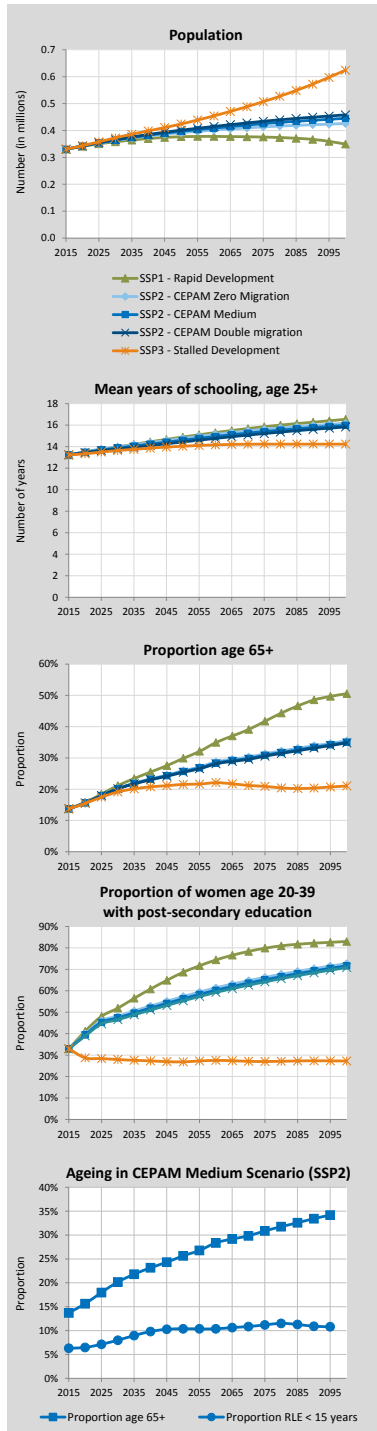
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Iceland (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	0.33	0.34	0.36	0.38	0.38	0.38	0.35
SSP2 - CEPAM Zero Migration	0.33	0.34	0.36	0.39	0.40	0.41	0.43
SSP2 - CEPAM Medium	0.33	0.34	0.36	0.40	0.41	0.43	0.45
SSP2 - CEPAM Double Migration	0.33	0.34	0.37	0.40	0.41	0.43	0.46
SSP3 - Stalled Development	0.33	0.34	0.37	0.42	0.45	0.51	0.62
Proportion age 65+							
SSP1 - Rapid Development	13.7%	15.8%	21.2%	29.9%	34.9%	41.7%	50.6%
SSP2 - CEPAM Zero Migration	13.7%	15.6%	20.2%	25.9%	28.7%	31.3%	35.5%
SSP2 - CEPAM Medium	13.7%	15.6%	20.2%	25.6%	28.4%	30.9%	35.0%
SSP2 - CEPAM Double Migration	13.7%	15.6%	20.1%	25.4%	28.1%	30.6%	34.8%
SSP3 - Stalled Development	13.7%	15.5%	19.1%	21.5%	22.1%	20.9%	21.0%
Proportion below age 20							
SSP1 - Rapid Development	26.9%	25.9%	22.6%	17.7%	16.2%	13.9%	11.6%
SSP2 - CEPAM Zero Migration	26.9%	26.2%	24.7%	22.4%	21.8%	20.6%	19.0%
SSP2 - CEPAM Medium	26.9%	26.2%	24.7%	22.4%	21.9%	20.7%	19.2%
SSP2 - CEPAM Double Migration	26.9%	26.2%	24.7%	22.5%	21.9%	20.8%	19.2%
SSP3 - Stalled Development	26.9%	26.7%	27.3%	28.1%	29.0%	29.3%	28.9%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	32.9%	41.2%	51.9%	68.7%	74.4%	79.9%	83.0%
SSP2 - CEPAM Zero Migration	32.9%	39.9%	48.2%	57.3%	61.4%	66.3%	72.7%
SSP2 - CEPAM Medium	32.9%	39.4%	47.3%	56.3%	60.3%	65.1%	71.6%
SSP2 - CEPAM Double Migration	32.9%	39.0%	46.5%	55.3%	59.3%	64.2%	70.8%
SSP3 - Stalled Development	32.9%	28.7%	27.9%	26.9%	27.5%	27.0%	27.2%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	13.2	13.5	14.0	14.9	15.3	15.9	16.5
SSP2 - CEPAM Zero Migration	13.2	13.5	14.0	14.8	15.1	15.6	16.2
SSP2 - CEPAM Medium	13.2	13.5	13.9	14.6	14.9	15.4	16.0
SSP2 - CEPAM Double Migration	13.2	13.4	13.8	14.4	14.8	15.2	15.8
SSP3 - Stalled Development	13.2	13.3	13.6	14.0	14.2	14.2	14.2

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.84	1.71	1.56	1.50	1.49	1.47	1.44
SSP2 - CEPAM Zero Migration	1.98	1.98	1.99	2.00	1.99	1.96	1.92
SSP2 - CEPAM Medium	1.98	1.98	1.98	1.99	1.98	1.96	1.92
SSP2 - CEPAM Double Migration	1.97	1.97	1.98	1.99	1.98	1.95	1.91
SSP3 - Stalled Development	2.14	2.35	2.55	2.65	2.64	2.60	2.56
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	84.9	86.5	89.6	95.9	99.0	103.7	106.9
SSP2 - CEPAM Zero Migration	84.4	85.5	87.7	92.0	94.2	97.4	101.7
SSP2 - CEPAM Medium	84.4	85.5	87.7	92.0	94.1	97.3	101.6
SSP2 - CEPAM Double Migration	84.4	85.5	87.6	91.9	94.1	97.3	101.5
SSP3 - Stalled Development	83.9	84.5	85.6	88.0	89.1	90.8	93.0
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	0.3	0.4	0.5	0.7	0.7	0.7	0.5
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	0.3	0.4	0.6	0.9	0.9	0.9	0.6
SSP2 - CEPAM Double Migration	0.6	0.8	1.1	1.5	1.5	1.3	0.8
SSP3 - Stalled Development	0.2	0.2	0.0	0.0	0.0	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	36.0	37.4	40.0	43.9	45.3	47.4	49.8
Proportion age 65+	13.7%	15.6%	20.2%	25.6%	28.4%	30.9%	34.2%
Proportion RLE < 15 years	6.5%	6.5%	7.6%	10.4%	10.4%	10.9%	10.6%

India

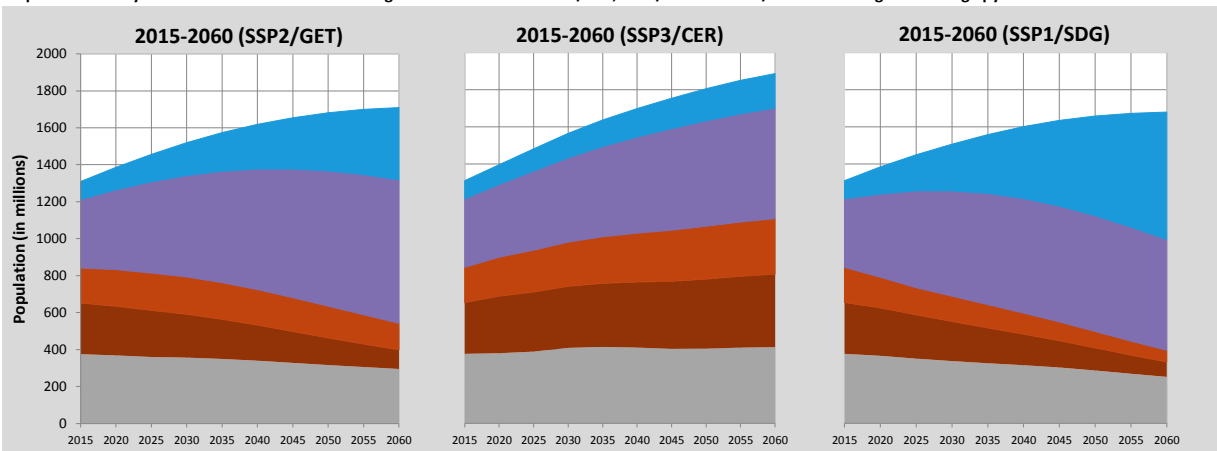
Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	1309.28	1386.22	1519.54	1618.72	1681.22	1709.44
Proportion age 65+	5.6%	6.6%	8.5%	10.7%	13.6%	17.0%
Proportion below age 20	38.1%	35.7%	31.3%	28.3%	25.5%	23.4%
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	2.31	2.18	2.03	1.92	1.82	1.77
Life expectancy at birth (in years)						
Male	67.4	68.4	70.3	72.2	74.2	75.1
Female	70.5	71.5	73.5	75.6	77.6	79.6
Five-year net-migration flow (in thousands)	-436.0	-459.4	-493.8	-502.4	-482.1	-465.3

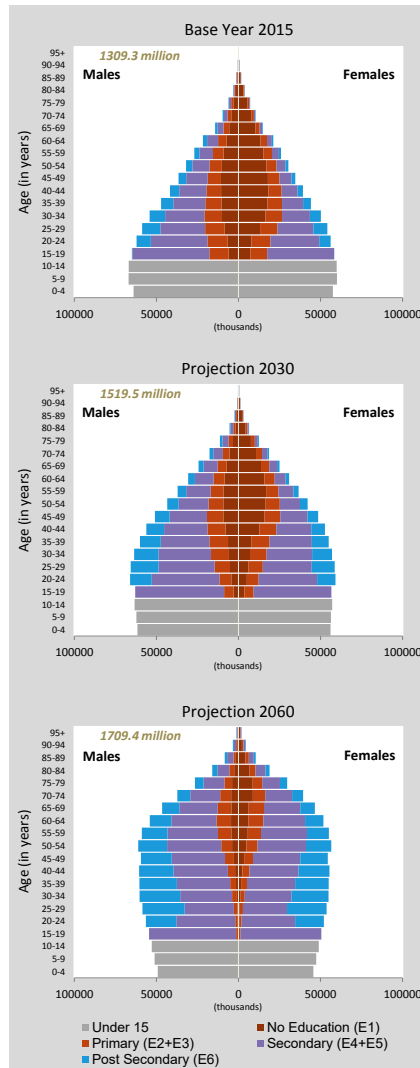
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	36.0%	31.4%	23.8%	17.8%	12.6%	8.5%
E2 - incomplete primary	6.6%	6.2%	5.3%	4.4%	3.5%	2.6%
E3 - primary	14.2%	14.4%	13.8%	12.5%	10.8%	8.9%
E4 - lower secondary	12.1%	13.2%	14.7%	15.4%	15.5%	14.8%
E5 - upper secondary	19.5%	21.5%	25.6%	29.5%	32.9%	35.6%
E6 - post-secondary	11.8%	13.3%	16.7%	20.5%	24.8%	29.6%
Mean years of schooling (in years)	6.2	6.8	7.9	8.9	9.9	10.8
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.55	0.55	0.55	0.56	0.56	0.58
E2 - incomplete primary	1.10	1.07	1.01	0.97	0.93	0.91
E3 - primary	1.14	1.08	1.01	0.97	0.93	0.90
E4 - lower secondary	1.43	1.30	1.19	1.15	1.11	1.09
E5 - upper secondary	1.58	1.46	1.29	1.18	1.11	1.06
E6 - post-secondary	1.60	1.48	1.31	1.21	1.14	1.09
Mean years of schooling (male minus female)	1.2	1.1	0.9	0.7	0.5	0.3
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	21.2%	16.5%	9.8%	6.5%	3.5%	1.6%
E2 - incomplete primary	5.1%	4.7%	3.6%	2.3%	1.4%	0.8%
E3 - primary	15.0%	14.5%	12.0%	8.5%	5.6%	3.6%
E4 - lower secondary	16.1%	16.8%	17.1%	15.6%	13.7%	11.0%
E5 - upper secondary	27.7%	30.4%	35.7%	40.1%	42.9%	43.9%
E6 - post-secondary	14.9%	17.1%	21.7%	27.0%	32.9%	39.1%
Mean years of schooling (in years)	7.3	8.2	9.7	10.8	11.8	12.6

Education scenarios
 SSP2/GET: Global Education Trend Scenario (Medium assumption)
 SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)
 SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

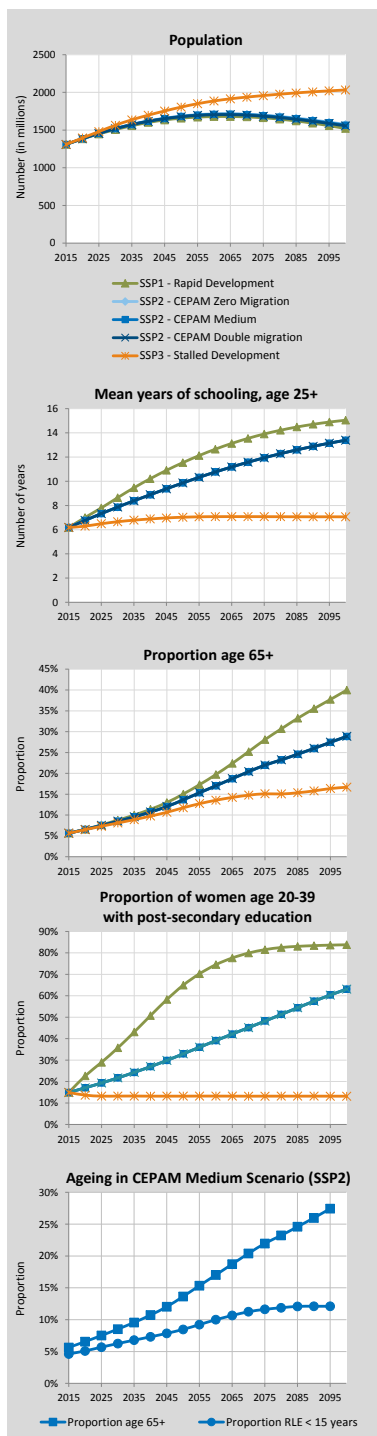
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



India (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	1309.3	1383.5	1506.0	1657.6	1679.2	1662.9	1520.9
SSP2 - CEPAM Zero Migration	1309.3	1386.7	1521.1	1685.4	1714.9	1699.1	1575.0
SSP2 - CEPAM Medium	1309.3	1386.2	1519.5	1681.2	1709.4	1691.9	1565.9
SSP2 - CEPAM Double Migration	1309.3	1385.8	1517.9	1676.9	1703.7	1684.3	1556.0
SSP3 - Stalled Development	1309.3	1395.2	1564.3	1805.1	1886.5	1957.9	2032.5
Proportion age 65+							
SSP1 - Rapid Development	5.6%	6.6%	8.8%	15.0%	19.7%	28.1%	40.0%
SSP2 - CEPAM Zero Migration	5.6%	6.5%	8.5%	13.6%	17.0%	21.9%	28.8%
SSP2 - CEPAM Medium	5.6%	6.6%	8.5%	13.6%	17.0%	22.0%	28.9%
SSP2 - CEPAM Double Migration	5.6%	6.6%	8.5%	13.7%	17.0%	22.0%	28.9%
SSP3 - Stalled Development	5.6%	6.5%	8.1%	11.7%	13.5%	15.1%	16.7%
Proportion below age 20							
SSP1 - Rapid Development	38.1%	35.5%	30.3%	23.6%	20.6%	17.4%	13.5%
SSP2 - CEPAM Zero Migration	38.1%	35.7%	31.3%	25.5%	23.4%	21.1%	18.1%
SSP2 - CEPAM Medium	38.1%	35.7%	31.3%	25.5%	23.4%	21.1%	18.1%
SSP2 - CEPAM Double Migration	38.1%	35.7%	31.3%	25.5%	23.4%	21.1%	18.1%
SSP3 - Stalled Development	38.1%	36.2%	33.7%	29.8%	28.8%	27.7%	26.9%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	14.9%	22.6%	35.7%	65.0%	74.5%	81.5%	83.8%
SSP2 - CEPAM Zero Migration	14.9%	17.1%	21.7%	32.9%	39.1%	48.2%	63.2%
SSP2 - CEPAM Medium	14.9%	17.1%	21.7%	32.9%	39.1%	48.2%	63.1%
SSP2 - CEPAM Double Migration	14.9%	17.1%	21.7%	32.9%	39.1%	48.2%	63.1%
SSP3 - Stalled Development	14.9%	13.7%	13.2%	13.2%	13.2%	13.2%	13.2%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	6.2	7.0	8.6	11.5	12.6	13.9	15.0
SSP2 - CEPAM Zero Migration	6.2	6.8	7.9	9.9	10.8	11.9	13.4
SSP2 - CEPAM Medium	6.2	6.8	7.9	9.9	10.8	11.9	13.4
SSP2 - CEPAM Double Migration	6.2	6.8	7.9	9.9	10.8	11.9	13.4
SSP3 - Stalled Development	6.2	6.3	6.7	7.0	7.1	7.1	7.1

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	2.23	2.04	1.85	1.61	1.51	1.44	1.39
SSP2 - CEPAM Zero Migration	2.31	2.18	2.03	1.82	1.74	1.66	1.59
SSP2 - CEPAM Medium	2.31	2.18	2.03	1.82	1.74	1.66	1.59
SSP2 - CEPAM Double Migration	2.31	2.18	2.03	1.82	1.74	1.66	1.59
SSP3 - Stalled Development	2.51	2.52	2.47	2.27	2.23	2.21	2.17
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	71.1	72.8	76.0	81.8	84.9	89.6	95.8
SSP2 - CEPAM Zero Migration	70.5	71.5	73.5	77.6	79.6	82.7	86.7
SSP2 - CEPAM Medium	70.5	71.5	73.5	77.6	79.6	82.7	86.7
SSP2 - CEPAM Double Migration	70.5	71.5	73.5	77.6	79.6	82.7	86.7
SSP3 - Stalled Development	69.9	70.1	70.7	72.0	72.6	73.7	75.5
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-436.0	-464.5	-525.0	-595.2	-609.1	-613.8	-588.6
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-436.0	-459.4	-493.8	-482.1	-444.4	-361.5	-245.9
SSP2 - CEPAM Double Migration	-871.9	-924.4	-1005.2	-1002.6	-935.2	-776.1	-546.4
SSP3 - Stalled Development	-290.7	-153.6	-0.7	-0.6	-0.5	-0.3	-0.1

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	26.7	28.2	31.4	37.6	40.2	43.6	47.5
Proportion age 65+	5.6%	6.6%	8.5%	13.6%	17.0%	22.0%	27.4%
Proportion RLE < 15 years	4.6%	5.0%	6.1%	8.4%	9.9%	11.3%	11.8%

Indonesia

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	258.15	271.77	291.95	303.83	308.37	305.89
Proportion age 65+	5.1%	5.8%	8.4%	11.8%	15.1%	18.1%
Proportion below age 20	36.6%	34.8%	30.4%	26.1%	23.5%	21.3%
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	2.23	2.02	1.75	1.61	1.53	1.52
Life expectancy at birth (in years)						
Male	67.3	68.4	70.6	72.8	75.0	76.1
Female	71.6	72.7	74.9	77.1	79.2	81.4
Five-year net-migration flow (in thousands)	-335.9	-352.2	-372.5	-379.3	-375.9	-370.5

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	7.6%	5.9%	3.4%	1.8%	0.9%	0.5%
E2 - incomplete primary	7.1%	5.9%	3.8%	2.3%	1.3%	0.7%
E3 - primary	34.4%	32.0%	26.2%	20.0%	14.5%	10.0%
E4 - lower secondary	16.5%	17.4%	18.6%	18.3%	16.9%	14.8%
E5 - upper secondary	25.1%	28.2%	34.0%	39.3%	43.2%	45.5%
E6 - post-secondary	9.3%	10.7%	14.1%	18.3%	23.2%	28.6%
Mean years of schooling (in years)	8.4	8.9	9.7	10.5	11.1	11.7
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.54	0.53	0.52	0.53	0.55	0.59
E2 - incomplete primary	0.79	0.78	0.77	0.77	0.79	0.85
E3 - primary	0.93	0.91	0.88	0.87	0.86	0.87
E4 - lower secondary	1.11	1.10	1.09	1.07	1.07	1.07
E5 - upper secondary	1.29	1.24	1.18	1.15	1.14	1.14
E6 - post-secondary	1.07	1.02	0.94	0.88	0.85	0.83
Mean years of schooling (male minus female)	0.4	0.3	0.2	0.1	0.0	0.0
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	1.9%	1.3%	0.4%	0.1%	0.0%	0.0%
E2 - incomplete primary	2.9%	2.0%	0.6%	0.2%	0.1%	0.0%
E3 - primary	24.9%	20.5%	12.5%	6.8%	3.3%	1.4%
E4 - lower secondary	20.5%	20.0%	18.7%	15.1%	10.7%	6.8%
E5 - upper secondary	38.6%	42.1%	47.8%	51.4%	52.3%	50.5%
E6 - post-secondary	11.3%	14.2%	20.0%	26.4%	33.5%	41.3%
Mean years of schooling (in years)	9.9	10.4	11.3	12.0	12.6	13.1

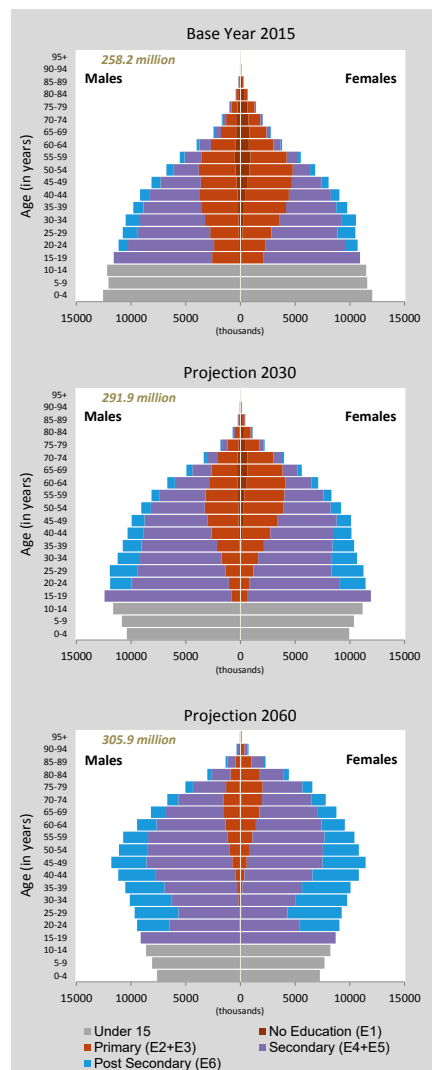
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

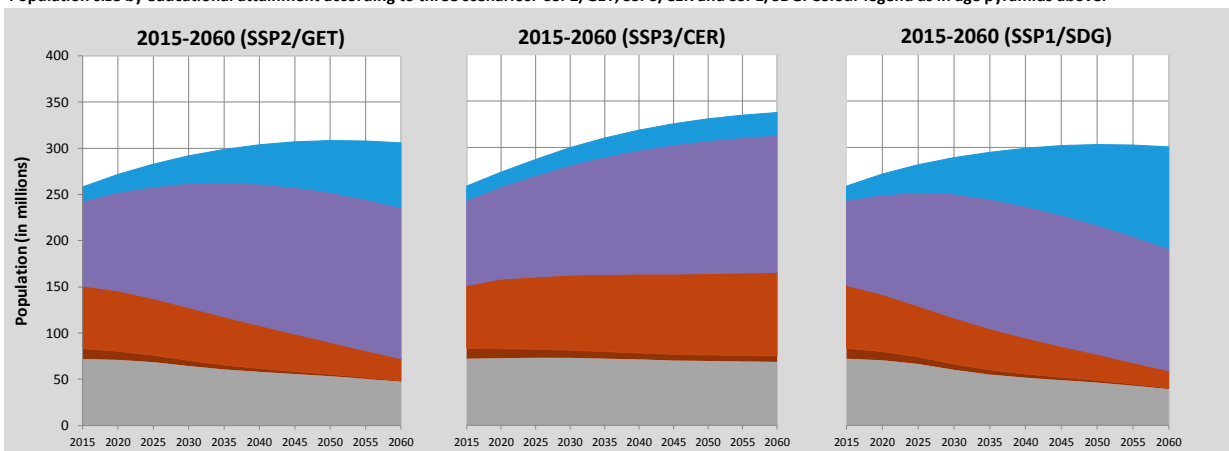
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

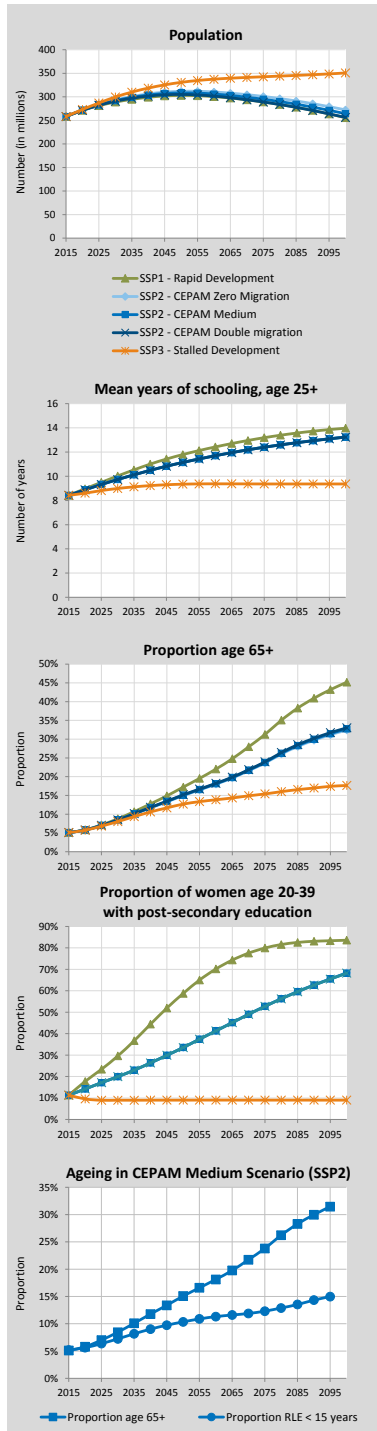
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Indonesia (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	258.15	271.20	288.88	302.97	300.45	289.10	255.70
SSP2 - CEPAM Zero Migration	258.15	272.13	293.21	311.70	310.29	300.78	272.37
SSP2 - CEPAM Medium	258.15	271.77	291.95	308.37	305.89	294.83	264.22
SSP2 - CEPAM Double Migration	258.15	271.40	290.69	305.06	301.53	288.99	256.28
SSP3 - Stalled Development	258.15	273.21	299.67	330.73	337.50	342.61	350.67
Proportion age 65+							
SSP1 - Rapid Development	5.1%	5.8%	8.8%	17.2%	22.0%	31.3%	45.2%
SSP2 - CEPAM Zero Migration	5.1%	5.8%	8.4%	15.0%	18.0%	23.6%	32.4%
SSP2 - CEPAM Medium	5.1%	5.8%	8.4%	15.1%	18.1%	23.8%	32.7%
SSP2 - CEPAM Double Migration	5.1%	5.8%	8.5%	15.2%	18.2%	24.0%	33.0%
SSP3 - Stalled Development	5.1%	5.7%	8.0%	12.7%	13.9%	15.4%	17.7%
Proportion below age 20							
SSP1 - Rapid Development	36.6%	34.6%	29.2%	20.8%	18.2%	15.0%	12.2%
SSP2 - CEPAM Zero Migration	36.6%	34.8%	30.4%	23.5%	21.4%	19.0%	17.0%
SSP2 - CEPAM Medium	36.6%	34.8%	30.4%	23.5%	21.3%	18.9%	16.9%
SSP2 - CEPAM Double Migration	36.6%	34.8%	30.4%	23.5%	21.3%	18.8%	16.8%
SSP3 - Stalled Development	36.6%	35.2%	32.4%	28.1%	27.1%	26.3%	26.5%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	11.3%	17.8%	29.6%	58.8%	70.2%	80.0%	83.6%
SSP2 - CEPAM Zero Migration	11.3%	14.2%	20.0%	33.6%	41.3%	52.8%	68.4%
SSP2 - CEPAM Medium	11.3%	14.2%	20.0%	33.5%	41.3%	52.8%	68.3%
SSP2 - CEPAM Double Migration	11.3%	14.2%	20.0%	33.5%	41.3%	52.7%	68.2%
SSP3 - Stalled Development	11.3%	9.6%	9.0%	9.0%	9.0%	9.0%	9.0%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	8.4	9.0	10.0	11.8	12.4	13.2	14.0
SSP2 - CEPAM Zero Migration	8.4	8.9	9.7	11.1	11.7	12.4	13.3
SSP2 - CEPAM Medium	8.4	8.9	9.7	11.1	11.7	12.4	13.2
SSP2 - CEPAM Double Migration	8.4	8.9	9.7	11.1	11.7	12.4	13.2
SSP3 - Stalled Development	8.4	8.6	9.0	9.3	9.4	9.4	9.4

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	2.15	1.87	1.54	1.34	1.33	1.36	1.40
SSP2 - CEPAM Zero Migration	2.23	2.02	1.75	1.53	1.52	1.55	1.60
SSP2 - CEPAM Medium	2.23	2.02	1.75	1.53	1.52	1.55	1.60
SSP2 - CEPAM Double Migration	2.23	2.02	1.75	1.53	1.52	1.55	1.60
SSP3 - Stalled Development	2.38	2.30	2.15	1.98	1.99	2.06	2.15
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	72.2	73.8	77.0	83.3	86.5	91.3	97.8
SSP2 - CEPAM Zero Migration	71.6	72.7	74.9	79.2	81.4	84.7	89.0
SSP2 - CEPAM Medium	71.6	72.7	74.9	79.2	81.4	84.6	89.0
SSP2 - CEPAM Double Migration	71.6	72.7	74.9	79.2	81.4	84.6	89.0
SSP3 - Stalled Development	71.1	71.5	72.5	74.6	75.5	77.0	79.2
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-336.1	-352.4	-372.8	-382.9	-376.0	-357.1	-321.0
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-335.9	-352.2	-372.5	-375.9	-363.5	-338.1	-295.9
SSP2 - CEPAM Double Migration	-671.7	-703.7	-742.6	-744.7	-717.4	-662.6	-572.8
SSP3 - Stalled Development	-223.9	-117.9	-0.4	-0.4	-0.4	-0.4	-0.3

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	28.0	29.4	32.5	38.9	42.2	46.2	50.7
Proportion age 65+	5.1%	5.8%	8.4%	15.1%	18.1%	23.8%	31.5%
Proportion RLE < 15 years	4.9%	5.1%	6.7%	10.1%	11.3%	12.3%	15.1%

Iran

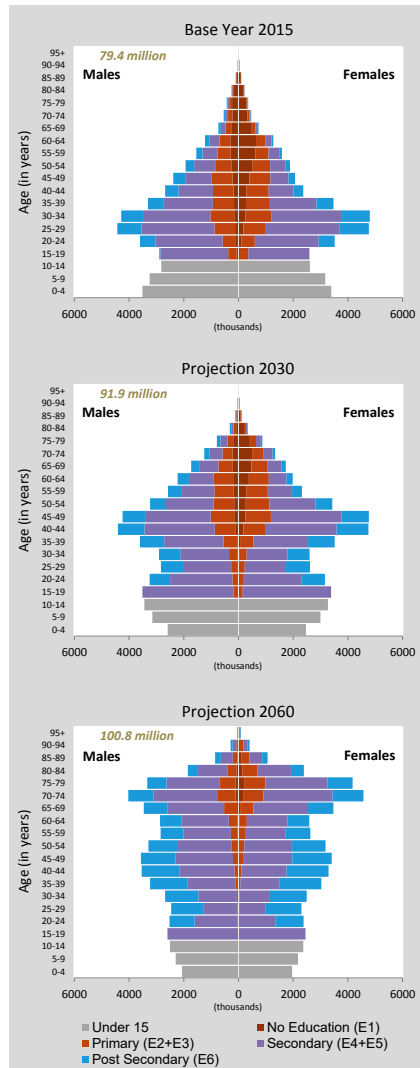
Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	79.36	84.42	91.91	96.59	100.21	100.75
Proportion age 65+	5.0%	6.2%	9.5%	13.7%	22.2%	29.8%
Proportion below age 20	30.6%	30.1%	27.0%	21.5%	19.4%	18.3%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	1.73	1.69	1.61	1.58	1.55	1.54
Life expectancy at birth (in years)						
Male	75.1	76.2	78.5	80.8	83.1	84.2
Female	77.4	78.7	81.2	83.7	86.2	88.7
Five-year net-migration flow (in thousands)	126.2	132.0	151.5	177.1	199.3	212.1

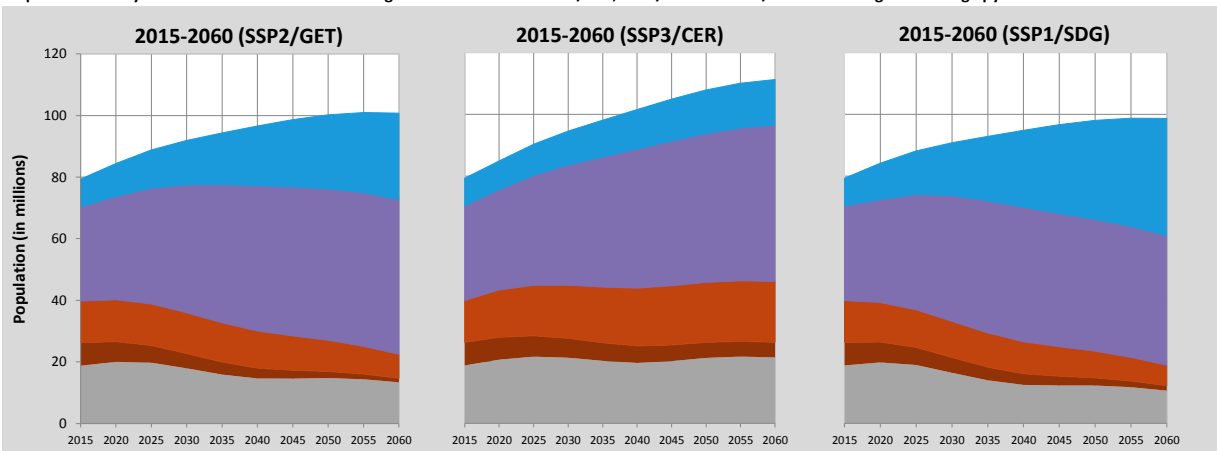
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	15.0%	12.0%	7.9%	4.8%	2.9%	1.7%
E2 - incomplete primary	6.3%	5.7%	4.5%	3.3%	2.3%	1.5%
E3 - primary	18.5%	17.7%	16.1%	13.6%	10.9%	8.5%
E4 - lower secondary	16.9%	17.0%	17.2%	16.6%	15.4%	13.9%
E5 - upper secondary	27.2%	29.6%	33.2%	36.6%	39.1%	40.7%
E6 - post-secondary	16.2%	18.0%	21.1%	25.1%	29.4%	33.7%
Mean years of schooling (in years)	8.5	9.0	9.8	10.6	11.3	11.9
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.58	0.55	0.51	0.51	0.53	0.55
E2 - incomplete primary	0.67	0.65	0.61	0.58	0.57	0.58
E3 - primary	1.16	1.14	1.09	1.05	1.01	0.97
E4 - lower secondary	1.34	1.35	1.35	1.35	1.36	1.36
E5 - upper secondary	1.02	1.02	1.01	1.01	1.02	1.03
E6 - post-secondary	1.13	1.08	1.01	0.95	0.92	0.90
Mean years of schooling (male minus female)	0.4	0.4	0.3	0.1	0.0	0.0
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	4.2%	3.0%	0.8%	0.3%	0.1%	0.1%
E2 - incomplete primary	3.2%	2.5%	1.1%	0.4%	0.2%	0.1%
E3 - primary	15.4%	13.6%	9.0%	5.2%	3.0%	1.5%
E4 - lower secondary	22.2%	19.8%	15.6%	11.8%	9.0%	6.2%
E5 - upper secondary	36.1%	39.0%	45.8%	48.0%	46.7%	45.1%
E6 - post-secondary	19.0%	22.1%	27.8%	34.3%	40.9%	46.9%
Mean years of schooling (in years)	10.1	10.7	11.9	12.7	13.3	13.8

Education scenarios
 SSP2/GET: Global Education Trend Scenario (Medium assumption)
 SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)
 SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

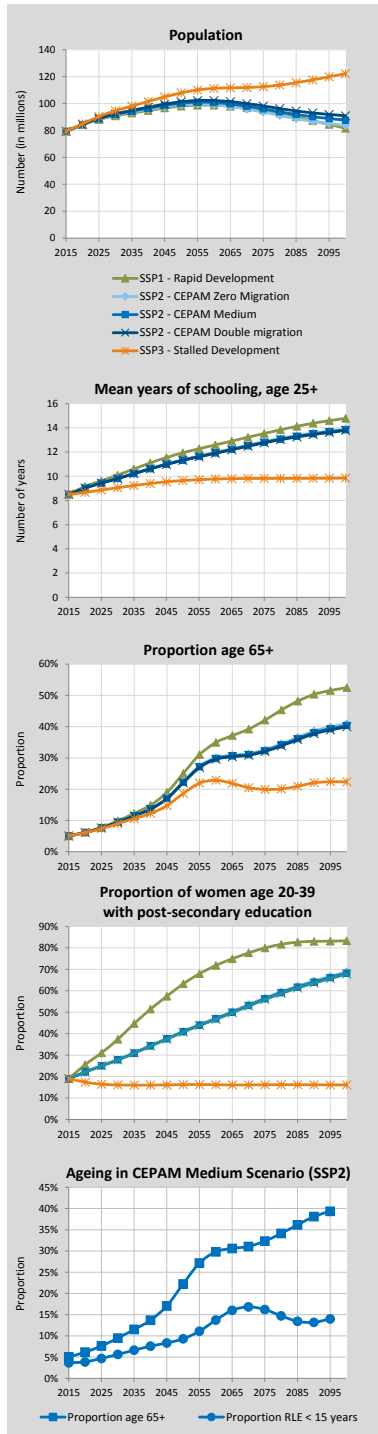
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Iran (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	79.36	84.21	90.82	98.06	98.70	95.23	81.66
SSP2 - CEPAM Zero Migration	79.36	84.29	91.48	99.00	99.07	93.60	83.63
SSP2 - CEPAM Medium	79.36	84.42	91.91	100.21	100.75	96.09	87.63
SSP2 - CEPAM Double Migration	79.36	84.55	92.33	101.32	102.25	98.23	90.93
SSP3 - Stalled Development	79.36	84.94	94.59	107.91	111.28	112.56	122.21
Proportion age 65+							
SSP1 - Rapid Development	5.0%	6.2%	9.9%	25.0%	35.0%	42.1%	52.5%
SSP2 - CEPAM Zero Migration	5.0%	6.2%	9.5%	22.4%	30.1%	32.6%	41.0%
SSP2 - CEPAM Medium	5.0%	6.2%	9.5%	22.2%	29.8%	32.3%	40.4%
SSP2 - CEPAM Double Migration	5.0%	6.2%	9.4%	22.1%	29.6%	32.1%	39.9%
SSP3 - Stalled Development	5.0%	6.1%	9.0%	18.6%	22.8%	19.9%	22.3%
Proportion below age 20							
SSP1 - Rapid Development	30.6%	29.9%	25.6%	16.6%	15.0%	11.7%	10.1%
SSP2 - CEPAM Zero Migration	30.6%	30.2%	27.0%	19.4%	18.3%	15.9%	14.4%
SSP2 - CEPAM Medium	30.6%	30.1%	27.0%	19.4%	18.3%	15.8%	14.4%
SSP2 - CEPAM Double Migration	30.6%	30.1%	27.0%	19.4%	18.2%	15.8%	14.4%
SSP3 - Stalled Development	30.6%	30.7%	29.8%	25.5%	25.6%	25.2%	25.5%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	19.0%	25.6%	37.4%	63.2%	71.9%	80.0%	83.3%
SSP2 - CEPAM Zero Migration	19.0%	22.1%	27.8%	41.1%	47.2%	56.7%	68.9%
SSP2 - CEPAM Medium	19.0%	22.1%	27.8%	40.9%	46.9%	56.2%	68.3%
SSP2 - CEPAM Double Migration	19.0%	22.1%	27.8%	40.8%	46.7%	55.9%	67.8%
SSP3 - Stalled Development	19.0%	17.4%	16.1%	16.2%	16.2%	16.2%	16.1%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	8.5	9.2	10.1	11.9	12.6	13.5	14.8
SSP2 - CEPAM Zero Migration	8.5	9.0	9.8	11.4	12.0	12.9	13.9
SSP2 - CEPAM Medium	8.5	9.0	9.8	11.3	11.9	12.8	13.8
SSP2 - CEPAM Double Migration	8.5	9.0	9.8	11.3	11.9	12.8	13.8
SSP3 - Stalled Development	8.5	8.7	9.0	9.6	9.8	9.8	9.8

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.65	1.51	1.37	1.32	1.32	1.33	1.37
SSP2 - CEPAM Zero Migration	1.73	1.69	1.61	1.55	1.53	1.54	1.58
SSP2 - CEPAM Medium	1.73	1.69	1.61	1.55	1.53	1.54	1.58
SSP2 - CEPAM Double Migration	1.73	1.69	1.61	1.55	1.53	1.54	1.58
SSP3 - Stalled Development	1.90	2.09	2.18	2.13	2.12	2.18	2.30
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	77.9	79.7	83.2	90.2	93.7	98.9	104.0
SSP2 - CEPAM Zero Migration	77.4	78.7	81.2	86.2	88.7	92.4	97.4
SSP2 - CEPAM Medium	77.4	78.7	81.2	86.2	88.7	92.4	97.4
SSP2 - CEPAM Double Migration	77.4	78.7	81.2	86.2	88.7	92.4	97.4
SSP3 - Stalled Development	76.9	77.6	79.0	81.9	83.3	85.2	87.9
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	126.4	130.4	139.4	157.6	162.7	173.7	176.6
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	126.2	132.0	151.5	199.3	226.7	270.3	289.7
SSP2 - CEPAM Double Migration	252.4	259.7	289.3	365.9	411.5	487.3	513.8
SSP3 - Stalled Development	84.0	44.6	0.1	0.2	0.3	0.3	0.4

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	29.5	32.3	37.7	44.3	47.9	52.5	55.5
Proportion age 65+	5.0%	6.2%	9.5%	22.2%	29.8%	32.3%	39.3%
Proportion RLE < 15 years	3.3%	3.6%	5.4%	8.4%	13.1%	17.0%	13.4%

Iraq

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	36.11	41.11	50.99	60.97	70.02	77.70
Proportion age 65+	3.1%	3.4%	3.8%	5.5%	7.5%	9.9%
Proportion below age 20	51.2%	49.8%	45.6%	39.8%	35.1%	30.5%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	4.10	3.55	2.88	2.39	2.09	1.99
Life expectancy at birth (in years)						
Male	67.8	69.1	71.7	74.3	76.9	78.2
Female	72.5	73.8	76.4	79.0	81.6	84.2
Five-year net-migration flow (in thousands)	-118.5	-140.5	-184.7	-230.2	-271.5	-289.9

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	17.2%	13.3%	7.5%	4.2%	2.3%	1.3%
E2 - incomplete primary	18.8%	18.1%	15.7%	12.7%	9.7%	7.0%
E3 - primary	28.4%	29.5%	30.1%	28.0%	24.7%	20.7%
E4 - lower secondary	10.7%	11.8%	13.8%	15.8%	17.0%	17.7%
E5 - upper secondary	7.9%	9.0%	11.6%	14.8%	18.3%	21.7%
E6 - post-secondary	16.9%	18.4%	21.3%	24.5%	27.9%	31.6%
Mean years of schooling (in years)	7.4	7.9	8.8	9.6	10.3	11.0

Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.38	0.37	0.37	0.40	0.43	0.46
E2 - incomplete primary	0.84	0.83	0.82	0.84	0.87	0.89
E3 - primary	1.12	1.07	1.01	0.97	0.96	0.96
E4 - lower secondary	1.51	1.38	1.23	1.16	1.16	1.18
E5 - upper secondary	1.70	1.52	1.28	1.17	1.12	1.10
E6 - post-secondary	1.51	1.39	1.20	1.08	0.99	0.93
Mean years of schooling (male minus female)	1.0	0.8	0.5	0.3	0.1	0.0

Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	9.0%	5.8%	1.4%	0.5%	0.2%	0.1%
E2 - incomplete primary	21.0%	17.2%	10.9%	6.6%	3.7%	1.8%
E3 - primary	29.8%	30.1%	28.6%	23.1%	17.0%	11.1%
E4 - lower secondary	13.3%	14.5%	17.0%	18.6%	19.0%	18.2%
E5 - upper secondary	11.1%	13.9%	18.9%	24.0%	28.4%	32.6%
E6 - post-secondary	15.7%	18.5%	23.1%	27.2%	31.7%	36.3%
Mean years of schooling (in years)	7.5	8.4	9.8	10.8	11.7	12.5

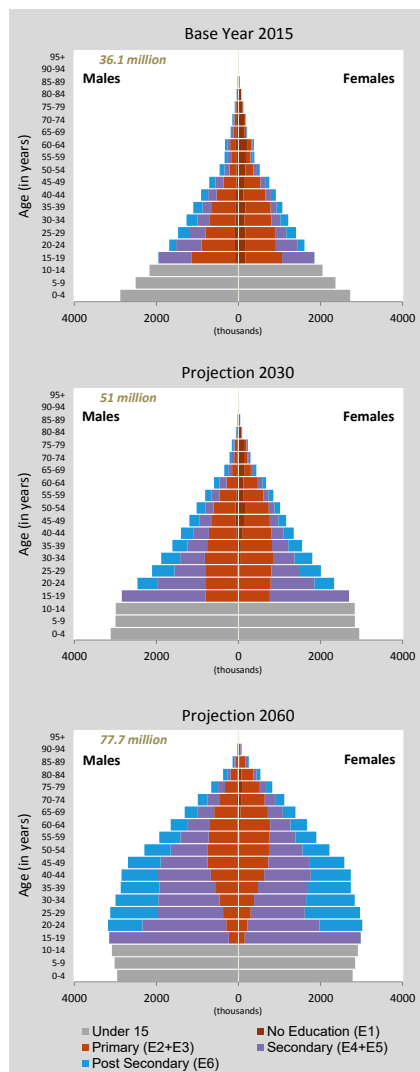
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

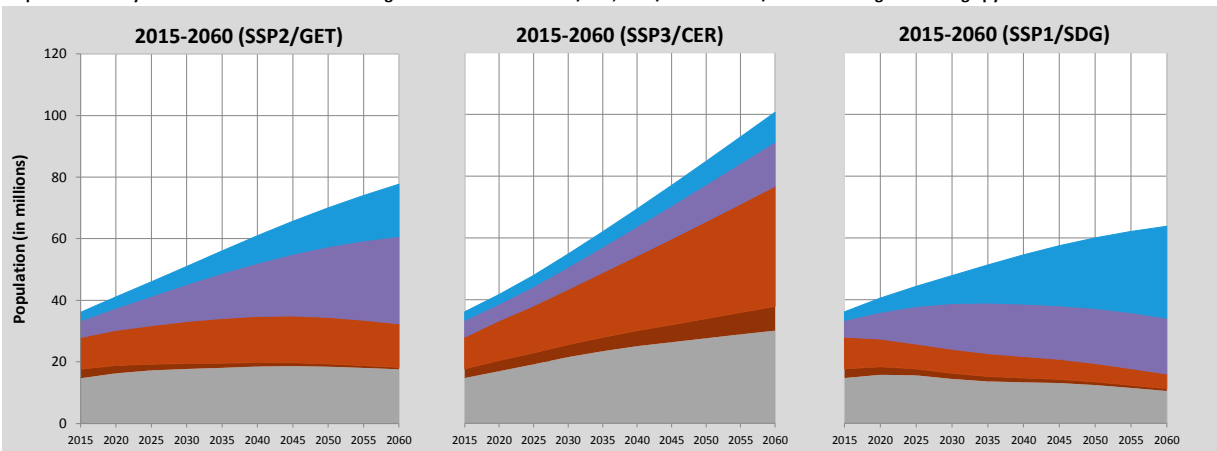
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

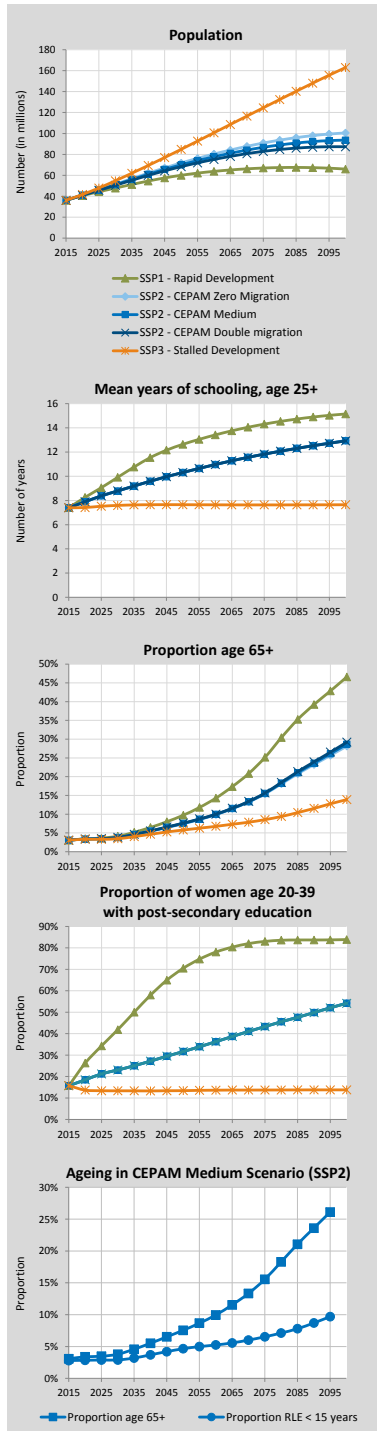
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Iraq (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)	2015 2020 2030 2050 2060 2075 2100						
	Population (in millions)						
SSP1 - Rapid Development	36.11	40.56	47.81	60.04	63.79	66.98	66.00
SSP2 - CEPAM Zero Migration	36.11	41.24	51.53	71.80	80.32	90.85	100.49
SSP2 - CEPAM Medium	36.11	41.11	50.99	70.02	77.70	86.77	93.64
SSP2 - CEPAM Double Migration	36.11	40.97	50.45	68.28	75.17	82.89	87.31
SSP3 - Stalled Development	36.11	41.72	54.82	84.81	100.67	124.52	162.97
Proportion age 65+							
SSP1 - Rapid Development	3.1%	3.4%	4.1%	9.7%	14.3%	25.1%	46.6%
SSP2 - CEPAM Zero Migration	3.1%	3.4%	3.8%	7.5%	9.9%	15.4%	28.1%
SSP2 - CEPAM Medium	3.1%	3.4%	3.8%	7.5%	9.9%	15.5%	28.7%
SSP2 - CEPAM Double Migration	3.1%	3.4%	3.8%	7.6%	10.0%	15.7%	29.2%
SSP3 - Stalled Development	3.1%	3.3%	3.5%	5.8%	6.8%	8.6%	13.9%
Proportion below age 20							
SSP1 - Rapid Development	51.2%	49.1%	41.7%	28.1%	22.9%	17.1%	10.9%
SSP2 - CEPAM Zero Migration	51.2%	49.8%	45.5%	35.0%	30.4%	25.2%	19.2%
SSP2 - CEPAM Medium	51.2%	49.8%	45.6%	35.1%	30.5%	25.3%	19.2%
SSP2 - CEPAM Double Migration	51.2%	49.9%	45.7%	35.3%	30.7%	25.3%	19.1%
SSP3 - Stalled Development	51.2%	50.5%	49.2%	42.3%	38.9%	34.8%	30.4%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	15.7%	26.2%	41.9%	70.5%	78.1%	83.0%	83.9%
SSP2 - CEPAM Zero Migration	15.7%	18.5%	23.1%	31.7%	36.3%	43.3%	54.2%
SSP2 - CEPAM Medium	15.7%	18.5%	23.1%	31.7%	36.3%	43.3%	54.2%
SSP2 - CEPAM Double Migration	15.7%	18.5%	23.1%	31.7%	36.3%	43.3%	54.2%
SSP3 - Stalled Development	15.7%	13.7%	13.4%	13.4%	13.7%	13.7%	13.8%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	7.4	8.3	9.9	12.6	13.4	14.3	15.1
SSP2 - CEPAM Zero Migration	7.4	7.9	8.8	10.3	11.0	11.8	12.9
SSP2 - CEPAM Medium	7.4	7.9	8.8	10.3	11.0	11.8	12.9
SSP2 - CEPAM Double Migration	7.4	7.9	8.8	10.3	11.0	11.8	12.9
SSP3 - Stalled Development	7.4	7.4	7.6	7.7	7.6	7.6	7.6

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	3.71	2.87	2.12	1.54	1.43	1.33	1.25
SSP2 - CEPAM Zero Migration	4.10	3.55	2.88	2.09	1.92	1.79	1.68
SSP2 - CEPAM Medium	4.10	3.55	2.88	2.09	1.92	1.79	1.68
SSP2 - CEPAM Double Migration	4.10	3.55	2.88	2.09	1.92	1.79	1.68
SSP3 - Stalled Development	4.50	4.29	3.79	2.83	2.61	2.46	2.36
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	73.0	74.9	78.5	85.7	89.3	94.9	102.5
SSP2 - CEPAM Zero Migration	72.5	73.8	76.4	81.6	84.2	88.1	93.3
SSP2 - CEPAM Medium	72.5	73.8	76.4	81.6	84.2	88.1	93.3
SSP2 - CEPAM Double Migration	72.5	73.8	76.4	81.6	84.2	88.1	93.3
SSP3 - Stalled Development	71.9	72.5	73.9	76.8	78.2	80.3	83.1
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-118.5	-138.2	-170.7	-227.2	-245.4	-262.6	-265.6
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-118.5	-140.5	-184.7	-271.5	-307.2	-350.3	-380.4
SSP2 - CEPAM Double Migration	-236.9	-280.0	-365.2	-527.7	-591.6	-664.6	-705.0
SSP3 - Stalled Development	-79.0	-47.7	-0.2	-0.3	-0.4	-0.5	-0.6

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	19.4	20.1	22.4	28.9	32.4	38.2	45.9
Proportion age 65+	3.1%	3.4%	3.8%	7.5%	9.9%	15.5%	26.1%
Proportion RLE < 15 years	2.7%	2.7%	2.9%	4.5%	5.1%	6.3%	9.3%

Israel

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	8.06	8.82	10.41	12.13	13.97	15.84
Proportion age 65+	11.2%	12.3%	13.4%	14.8%	16.5%	18.1%
Proportion below age 20	35.6%	35.2%	33.6%	31.7%	30.7%	29.4%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	2.93	2.84	2.69	2.58	2.50	2.46
Life expectancy at birth (in years)						
Male	81.0	81.9	83.8	85.6	87.5	88.4
Female	84.3	85.3	87.4	89.5	91.5	93.6
Five-year net-migration flow (in thousands)	141.1	144.4	146.3	141.3	128.9	120.2

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	2.4%	2.3%	2.0%	1.8%	1.5%	1.3%
E2 - incomplete primary	4.4%	3.7%	2.6%	1.9%	1.4%	1.1%
E3 - primary	15.0%	13.7%	11.1%	8.6%	6.5%	4.8%
E4 - lower secondary	17.9%	17.7%	16.7%	15.2%	13.4%	11.5%
E5 - upper secondary	25.5%	27.7%	31.8%	35.3%	37.6%	38.7%
E6 - post-secondary	34.8%	34.9%	35.8%	37.4%	39.6%	42.6%
Mean years of schooling (in years)	11.4	11.6	11.9	12.2	12.5	12.9
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.39	0.46	0.54	0.60	0.63	0.64
E2 - incomplete primary	1.00	1.03	1.08	1.11	1.12	1.08
E3 - primary	1.30	1.32	1.34	1.37	1.39	1.38
E4 - lower secondary	1.36	1.38	1.42	1.47	1.53	1.60
E5 - upper secondary	0.93	0.95	0.98	1.03	1.08	1.14
E6 - post-secondary	0.85	0.83	0.81	0.79	0.78	0.76
Mean years of schooling (male minus female)	-0.2	-0.2	-0.2	-0.3	-0.3	-0.3
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	0.5%	1.1%	0.8%	0.6%	0.4%	0.2%
E2 - incomplete primary	1.5%	1.4%	0.8%	0.4%	0.3%	0.2%
E3 - primary	10.1%	8.2%	4.9%	2.9%	1.7%	1.0%
E4 - lower secondary	17.7%	16.3%	13.4%	10.5%	8.1%	5.8%
E5 - upper secondary	38.4%	40.5%	44.4%	45.5%	45.1%	44.2%
E6 - post-secondary	31.7%	32.6%	35.8%	40.2%	44.5%	48.6%
Mean years of schooling (in years)	12.4	12.5	13.0	13.4	13.8	14.1

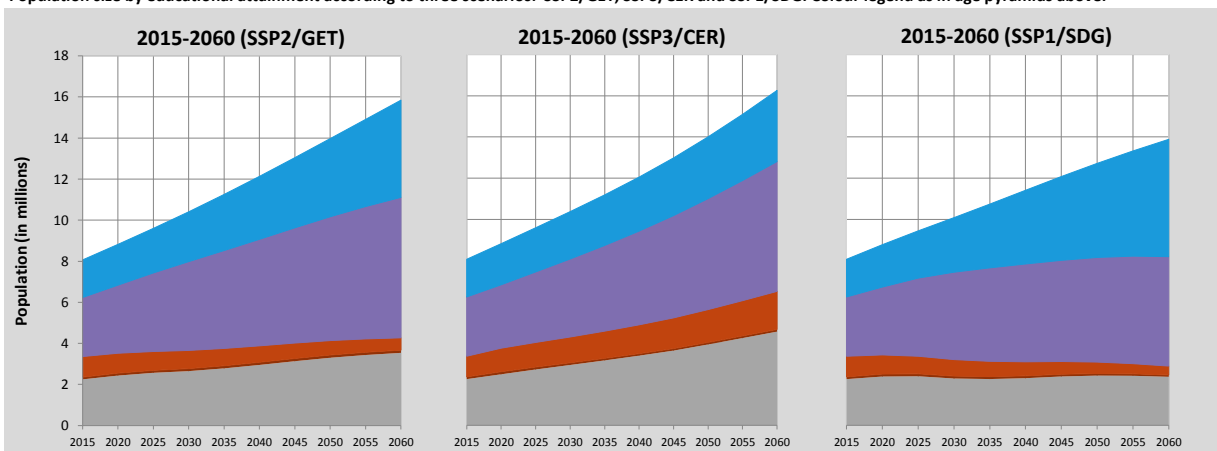
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

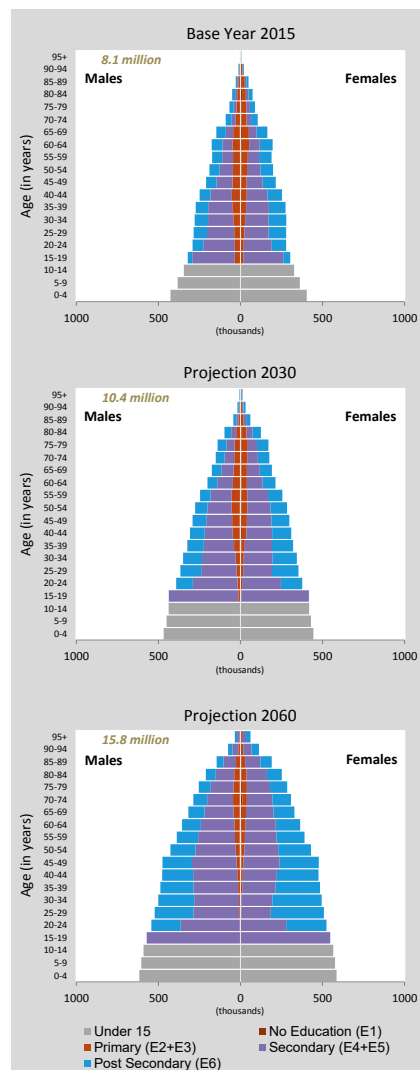
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

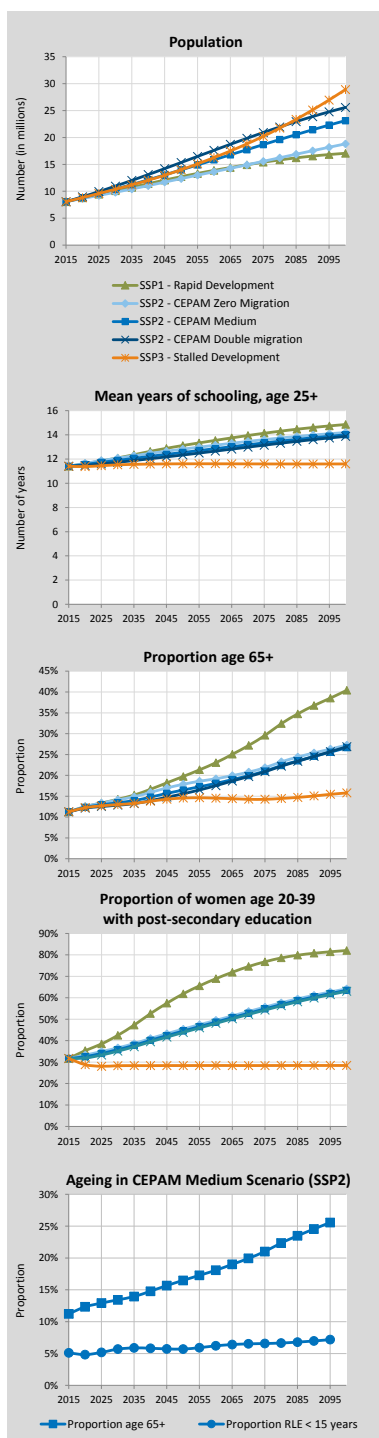
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



Israel (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	8.06	8.77	10.08	12.72	13.89	15.40	17.06
SSP2 - CEPAM Zero Migration	8.06	8.66	9.82	12.36	13.63	15.57	18.81
SSP2 - CEPAM Medium	8.06	8.82	10.41	13.97	15.84	18.68	23.13
SSP2 - CEPAM Double Migration	8.06	8.98	10.96	15.35	17.61	20.91	25.58
SSP3 - Stalled Development	8.06	8.82	10.38	14.00	16.26	20.22	28.91
Proportion age 65+							
SSP1 - Rapid Development	11.2%	12.5%	14.3%	19.7%	23.0%	29.6%	40.4%
SSP2 - CEPAM Zero Migration	11.2%	12.5%	14.1%	17.9%	19.2%	21.8%	27.3%
SSP2 - CEPAM Medium	11.2%	12.3%	13.4%	16.5%	18.1%	21.0%	26.6%
SSP2 - CEPAM Double Migration	11.2%	12.1%	12.8%	15.6%	17.5%	20.9%	26.9%
SSP3 - Stalled Development	11.2%	12.2%	13.0%	14.5%	14.5%	14.2%	15.8%
Proportion below age 20							
SSP1 - Rapid Development	35.6%	34.8%	31.0%	25.1%	22.9%	19.8%	16.3%
SSP2 - CEPAM Zero Migration	35.6%	35.4%	33.5%	30.3%	29.0%	26.8%	24.1%
SSP2 - CEPAM Medium	35.6%	35.2%	33.6%	30.7%	29.4%	27.3%	24.6%
SSP2 - CEPAM Double Migration	35.6%	35.1%	33.8%	31.0%	29.6%	27.6%	24.7%
SSP3 - Stalled Development	35.6%	35.8%	36.3%	36.0%	36.0%	35.3%	33.9%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	31.7%	35.4%	42.5%	61.9%	68.9%	76.8%	82.1%
SSP2 - CEPAM Zero Migration	31.7%	33.3%	36.7%	45.4%	49.5%	55.7%	64.2%
SSP2 - CEPAM Medium	31.7%	32.6%	35.8%	44.5%	48.6%	54.8%	63.5%
SSP2 - CEPAM Double Migration	31.7%	31.9%	35.1%	43.8%	48.1%	54.3%	63.0%
SSP3 - Stalled Development	31.7%	28.8%	28.3%	28.4%	28.4%	28.4%	28.4%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	11.4	11.6	12.1	13.1	13.5	14.1	14.9
SSP2 - CEPAM Zero Migration	11.4	11.6	12.1	12.8	13.1	13.6	14.2
SSP2 - CEPAM Medium	11.4	11.6	11.9	12.5	12.9	13.3	14.0
SSP2 - CEPAM Double Migration	11.4	11.5	11.7	12.3	12.7	13.1	13.9
SSP3 - Stalled Development	11.4	11.4	11.5	11.6	11.6	11.6	11.6

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	2.73	2.44	2.09	1.86	1.81	1.76	1.69
SSP2 - CEPAM Zero Migration	2.93	2.83	2.69	2.49	2.43	2.36	2.26
SSP2 - CEPAM Medium	2.93	2.84	2.69	2.50	2.43	2.36	2.26
SSP2 - CEPAM Double Migration	2.94	2.84	2.69	2.50	2.43	2.36	2.26
SSP3 - Stalled Development	3.16	3.28	3.36	3.26	3.20	3.12	3.02
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	84.8	86.4	89.4	95.5	98.6	103.2	109.4
SSP2 - CEPAM Zero Migration	84.3	85.4	87.4	91.6	93.7	96.8	100.9
SSP2 - CEPAM Medium	84.3	85.3	87.4	91.5	93.6	96.7	100.8
SSP2 - CEPAM Double Migration	84.3	85.3	87.4	91.5	93.5	96.6	100.7
SSP3 - Stalled Development	83.8	84.3	85.4	87.5	88.5	89.9	91.9
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	141.3	143.9	142.9	124.0	106.2	73.6	22.8
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	141.1	144.4	146.3	128.9	109.8	70.0	3.1
SSP2 - CEPAM Double Migration	282.2	281.4	267.8	197.6	142.8	44.5	-97.8
SSP3 - Stalled Development	94.0	48.9	0.1	0.2	0.2	0.1	0.1

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	30.2	30.6	31.5	34.4	35.9	38.1	41.5
Proportion age 65+	11.2%	12.3%	13.4%	16.5%	18.1%	21.0%	25.6%
Proportion RLE < 15 years	5.6%	5.1%	5.8%	5.8%	6.2%	6.6%	7.0%

Jamaica

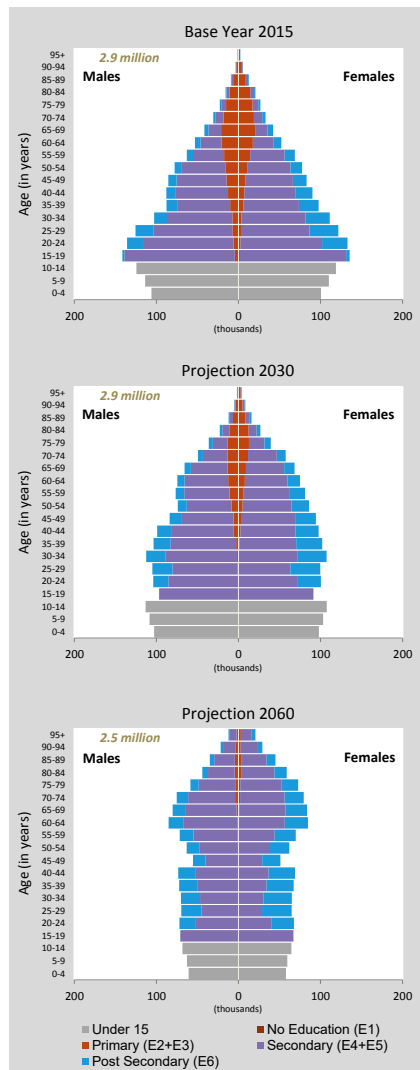
Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	2.87	2.91	2.91	2.82	2.67	2.46
Proportion age 65+	9.3%	10.4%	14.2%	18.8%	23.3%	29.1%
Proportion below age 20	33.1%	30.6%	28.2%	25.7%	22.7%	20.8%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	2.01	1.96	1.89	1.85	1.73	1.71
Life expectancy at birth (in years)						
Male	73.8	74.8	76.8	78.8	80.9	81.9
Female	78.5	79.5	81.5	83.4	85.4	87.3
Five-year net-migration flow (in thousands)	-102.3	-103.3	-102.8	-98.7	-92.4	-88.5

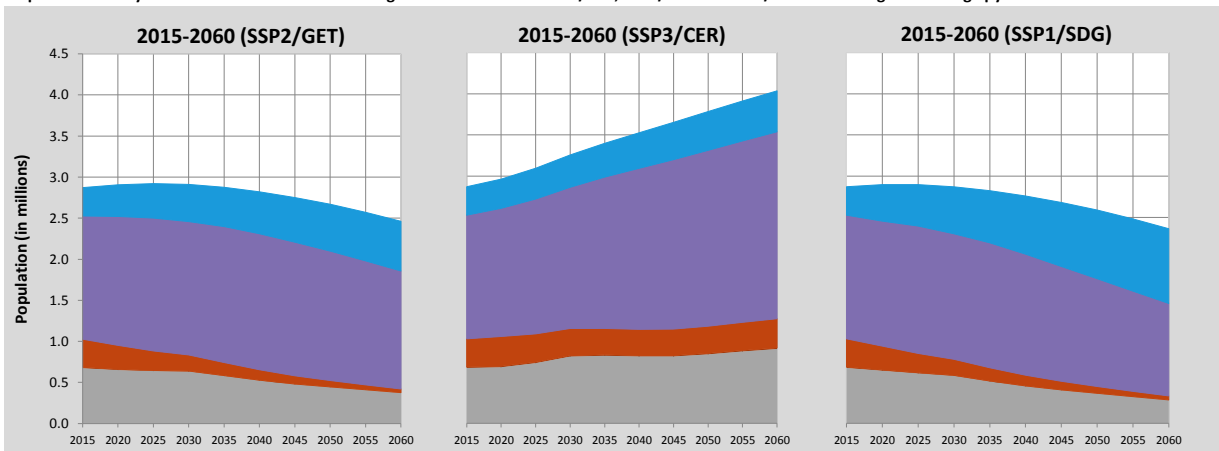
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	0.6%	0.5%	0.3%	0.2%	0.2%	0.1%
E2 - incomplete primary	5.8%	4.4%	2.4%	1.3%	0.6%	0.3%
E3 - primary	14.0%	11.8%	7.9%	5.4%	3.5%	2.1%
E4 - lower secondary	49.9%	50.3%	49.6%	47.4%	42.9%	37.6%
E5 - upper secondary	12.2%	14.2%	18.2%	21.5%	25.4%	29.0%
E6 - post-secondary	17.4%	18.8%	21.5%	24.1%	27.4%	30.8%
Mean years of schooling (in years)	9.8	10.0	10.5	10.9	11.3	11.5
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	1.32	1.29	1.29	1.24	1.15	1.05
E2 - incomplete primary	1.06	1.10	1.20	1.39	1.62	1.79
E3 - primary	1.29	1.31	1.33	1.38	1.45	1.52
E4 - lower secondary	1.16	1.20	1.25	1.30	1.36	1.43
E5 - upper secondary	0.72	0.73	0.78	0.82	0.89	0.95
E6 - post-secondary	0.64	0.64	0.64	0.64	0.65	0.66
Mean years of schooling (male minus female)	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	0.2%	0.2%	0.0%	0.0%	0.0%	0.0%
E2 - incomplete primary	0.6%	0.4%	0.1%	0.0%	0.0%	0.0%
E3 - primary	4.2%	3.0%	0.9%	0.3%	0.1%	0.1%
E4 - lower secondary	52.8%	48.8%	41.1%	31.4%	22.4%	15.5%
E5 - upper secondary	21.3%	25.2%	31.6%	37.7%	41.9%	44.2%
E6 - post-secondary	20.9%	22.5%	26.2%	30.4%	35.6%	40.3%
Mean years of schooling (in years)	11.2	11.3	11.7	12.1	12.6	12.9

Education scenarios
 SSP2/GET: Global Education Trend Scenario (Medium assumption)
 SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)
 SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

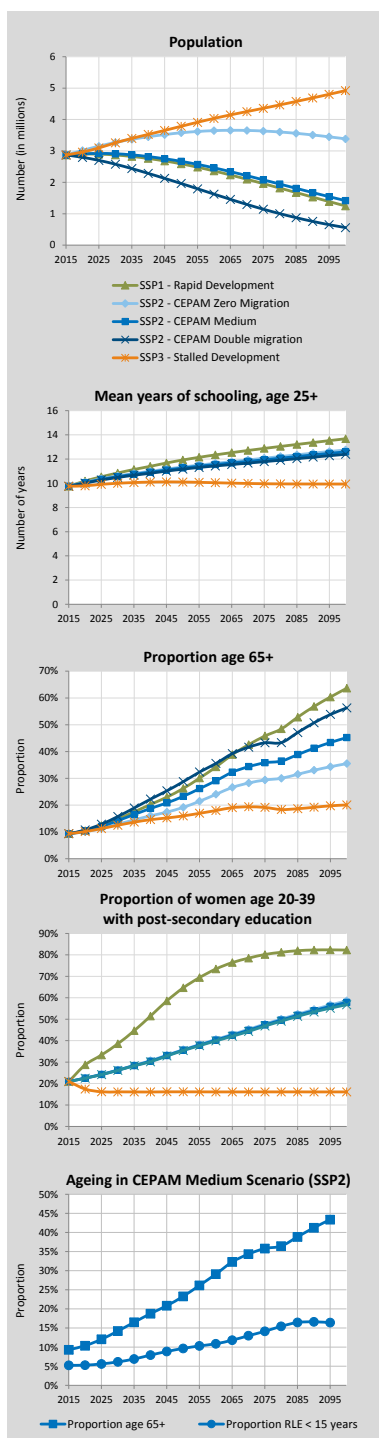
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Jamaica (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)	2015-2100						
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	2.87	2.90	2.87	2.59	2.36	1.96	1.25
SSP2 - CEPAM Zero Migration	2.87	3.02	3.27	3.58	3.65	3.63	3.39
SSP2 - CEPAM Medium	2.87	2.91	2.91	2.67	2.46	2.08	1.42
SSP2 - CEPAM Double Migration	2.87	2.80	2.58	1.96	1.63	1.14	0.56
SSP3 - Stalled Development	2.87	2.96	3.26	3.78	4.04	4.36	4.92
Proportion age 65+							
SSP1 - Rapid Development	9.3%	10.5%	14.8%	26.2%	34.2%	45.8%	63.6%
SSP2 - CEPAM Zero Migration	9.3%	10.1%	12.9%	19.2%	24.0%	29.4%	35.5%
SSP2 - CEPAM Medium	9.3%	10.4%	14.2%	23.3%	29.1%	35.8%	45.2%
SSP2 - CEPAM Double Migration	9.3%	10.7%	15.7%	28.7%	35.5%	43.3%	56.3%
SSP3 - Stalled Development	9.3%	10.1%	12.5%	16.0%	18.0%	19.1%	20.1%
Proportion below age 20							
SSP1 - Rapid Development	33.1%	30.3%	26.6%	19.4%	16.7%	12.8%	8.0%
SSP2 - CEPAM Zero Migration	33.1%	30.3%	28.1%	23.2%	21.6%	19.3%	16.6%
SSP2 - CEPAM Medium	33.1%	30.6%	28.2%	22.7%	20.8%	17.7%	14.2%
SSP2 - CEPAM Double Migration	33.1%	31.0%	28.4%	22.1%	20.0%	16.1%	11.9%
SSP3 - Stalled Development	33.1%	31.1%	31.0%	29.2%	29.2%	28.4%	27.6%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	20.9%	28.7%	38.6%	64.6%	73.5%	80.2%	82.3%
SSP2 - CEPAM Zero Migration	20.9%	22.6%	26.3%	35.8%	40.6%	47.8%	58.6%
SSP2 - CEPAM Medium	20.9%	22.5%	26.2%	35.6%	40.3%	47.4%	57.9%
SSP2 - CEPAM Double Migration	20.9%	22.5%	26.1%	35.4%	39.9%	46.8%	56.8%
SSP3 - Stalled Development	20.9%	17.4%	16.1%	16.1%	16.1%	16.1%	16.1%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	9.8	10.2	10.8	11.9	12.3	12.9	13.7
SSP2 - CEPAM Zero Migration	9.8	10.1	10.6	11.3	11.6	12.1	12.8
SSP2 - CEPAM Medium	9.8	10.0	10.5	11.3	11.5	11.9	12.6
SSP2 - CEPAM Double Migration	9.8	10.0	10.5	11.2	11.4	11.8	12.4
SSP3 - Stalled Development	9.8	9.8	10.0	10.1	10.0	10.0	9.9

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.91	1.77	1.64	1.48	1.45	1.40	1.36
SSP2 - CEPAM Zero Migration	2.01	1.95	1.89	1.73	1.69	1.63	1.57
SSP2 - CEPAM Medium	2.01	1.96	1.89	1.73	1.69	1.63	1.57
SSP2 - CEPAM Double Migration	2.01	1.96	1.89	1.73	1.69	1.63	1.57
SSP3 - Stalled Development	2.21	2.36	2.44	2.39	2.36	2.32	2.30
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	79.1	80.6	83.5	89.4	92.4	96.8	102.8
SSP2 - CEPAM Zero Migration	78.5	79.5	81.5	85.4	87.3	90.2	94.1
SSP2 - CEPAM Medium	78.5	79.5	81.5	85.4	87.3	90.2	94.1
SSP2 - CEPAM Double Migration	78.5	79.5	81.5	85.4	87.3	90.2	94.1
SSP3 - Stalled Development	78.0	78.4	79.2	80.9	81.7	82.9	84.7
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-102.4	-103.2	-101.8	-90.4	-81.6	-66.3	-45.2
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-102.3	-103.3	-102.8	-92.4	-84.2	-69.7	-50.3
SSP2 - CEPAM Double Migration	-204.6	-198.5	-180.9	-132.7	-107.1	-71.7	-37.1
SSP3 - Stalled Development	-68.2	-35.2	-0.1	-0.1	-0.1	-0.1	-0.1

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	29.4	31.1	35.1	43.6	46.3	52.2	59.2
Proportion age 65+	9.3%	10.4%	14.2%	23.3%	29.1%	35.8%	43.4%
Proportion RLE < 15 years	5.2%	5.2%	5.9%	9.5%	11.2%	14.5%	17.1%

Japan

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	127.98	126.26	120.87	114.17	107.38	100.81
Proportion age 65+	26.0%	28.3%	30.9%	35.9%	39.3%	41.1%
Proportion below age 20	17.7%	17.1%	15.8%	14.6%	14.3%	13.9%
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Total Fertility Rate	1.41	1.40	1.39	1.40	1.41	1.42
Life expectancy at birth (in years)						
Male	80.7	81.8	83.9	86.0	88.1	89.1
Female	87.2	88.2	90.4	92.5	94.6	96.8
Five-year net-migration flow (in thousands)	172.0	196.1	242.4	284.2	318.9	333.3

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	0.1%	0.1%	0.1%	0.2%	0.2%	0.2%
E2 - incomplete primary	0.0%	0.0%	0.0%	0.1%	0.1%	0.1%
E3 - primary	2.6%	1.8%	0.7%	0.3%	0.2%	0.2%
E4 - lower secondary	13.6%	11.7%	8.1%	5.2%	3.3%	2.3%
E5 - upper secondary	45.4%	44.5%	41.6%	37.5%	32.9%	28.4%
E6 - post-secondary	38.3%	41.9%	49.3%	56.8%	63.4%	68.7%
Mean years of schooling (in years)	13.0	13.2	13.7	14.1	14.4	14.6
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.75	0.78	0.80	0.80	0.77	0.74
E2 - incomplete primary	1.08	1.13	1.12	1.11	1.08	1.05
E3 - primary	0.70	0.64	0.52	0.62	1.10	1.14
E4 - lower secondary	0.88	0.89	0.93	1.03	1.22	1.30
E5 - upper secondary	0.95	0.96	0.97	0.99	1.04	1.08
E6 - post-secondary	1.14	1.10	1.05	1.00	0.97	0.96
Mean years of schooling (male minus female)	0.1	0.1	0.1	0.0	0.0	-0.1
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
E2 - incomplete primary	0.0%	0.0%	0.1%	0.1%	0.1%	0.0%
E3 - primary	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
E4 - lower secondary	4.4%	3.0%	0.9%	0.4%	0.3%	0.3%
E5 - upper secondary	40.8%	37.1%	30.6%	25.9%	22.3%	20.4%
E6 - post-secondary	54.7%	59.6%	68.1%	73.4%	77.1%	79.1%
Mean years of schooling (in years)	14.2	14.4	14.8	15.0	15.1	15.2

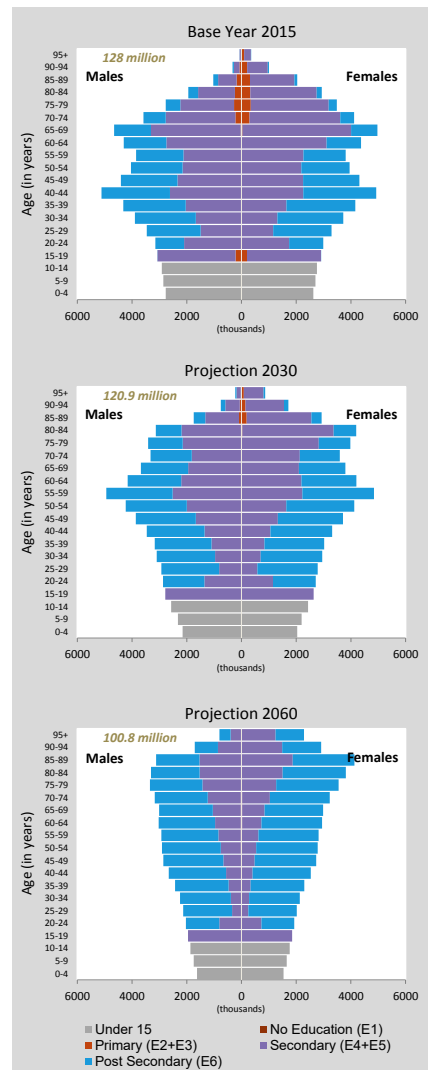
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

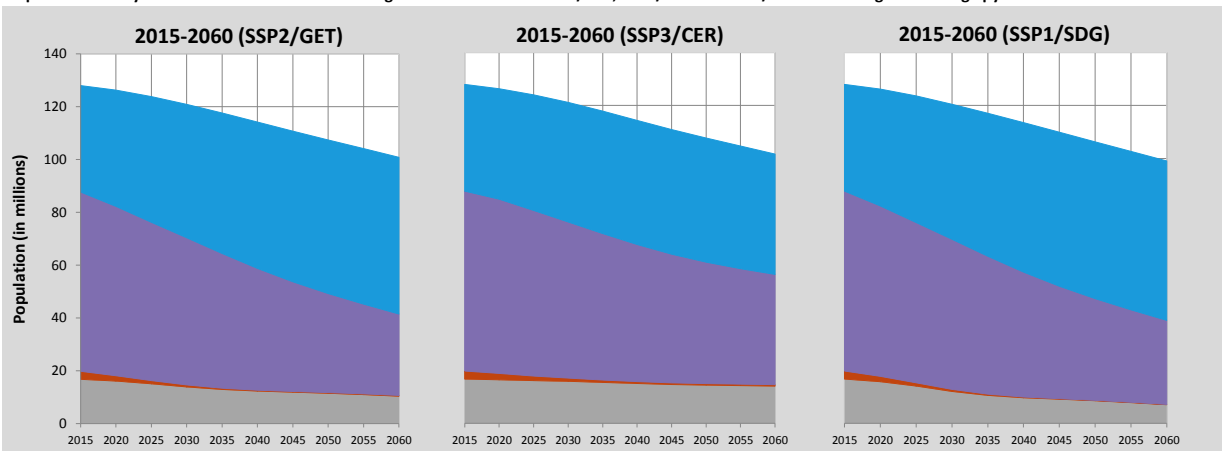
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

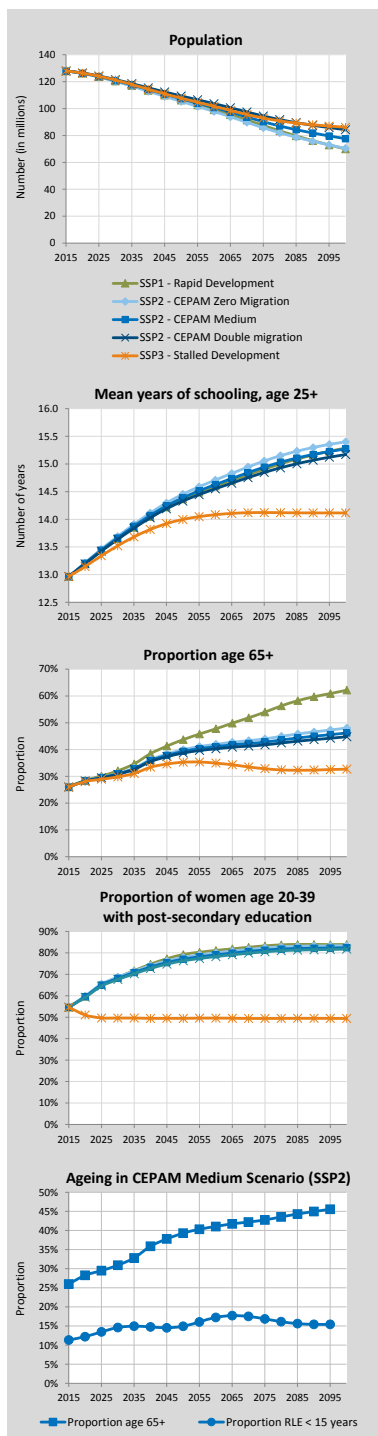
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Japan (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	127.98	126.21	120.48	106.29	99.09	87.47	69.97
SSP2 - CEPAM Zero Migration	127.98	126.08	120.20	105.31	97.84	85.74	70.41
SSP2 - CEPAM Medium	127.98	126.26	120.87	107.38	100.81	90.23	77.62
SSP2 - CEPAM Double Migration	127.98	126.45	121.54	109.39	103.66	94.48	84.31
SSP3 - Stalled Development	127.98	126.34	121.19	107.73	101.68	92.93	86.14
Proportion age 65+							
SSP1 - Rapid Development	26.0%	28.5%	32.1%	43.7%	47.7%	54.0%	62.2%
SSP2 - CEPAM Zero Migration	26.0%	28.3%	31.1%	39.9%	41.9%	44.0%	48.0%
SSP2 - CEPAM Medium	26.0%	28.3%	30.9%	39.3%	41.1%	42.8%	46.2%
SSP2 - CEPAM Double Migration	26.0%	28.2%	30.7%	38.7%	40.3%	41.7%	44.8%
SSP3 - Stalled Development	26.0%	28.1%	29.8%	35.3%	34.9%	32.8%	32.7%
Proportion below age 20							
SSP1 - Rapid Development	17.7%	16.9%	14.4%	10.9%	9.9%	8.4%	7.2%
SSP2 - CEPAM Zero Migration	17.7%	17.1%	15.8%	14.1%	13.7%	13.0%	12.5%
SSP2 - CEPAM Medium	17.7%	17.1%	15.8%	14.3%	13.9%	13.4%	13.0%
SSP2 - CEPAM Double Migration	17.7%	17.1%	15.9%	14.4%	14.1%	13.6%	13.3%
SSP3 - Stalled Development	17.7%	17.4%	17.5%	17.9%	18.4%	19.2%	19.9%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	54.7%	59.7%	68.6%	79.3%	81.2%	83.3%	83.9%
SSP2 - CEPAM Zero Migration	54.7%	59.9%	68.7%	77.9%	80.1%	82.3%	83.4%
SSP2 - CEPAM Medium	54.7%	59.6%	68.1%	77.1%	79.1%	81.3%	82.4%
SSP2 - CEPAM Double Migration	54.7%	59.3%	67.6%	76.3%	78.3%	80.5%	81.8%
SSP3 - Stalled Development	54.7%	51.1%	49.6%	49.5%	49.6%	49.4%	49.4%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	13.0	13.2	13.6	14.4	14.6	14.9	15.3
SSP2 - CEPAM Zero Migration	13.0	13.2	13.7	14.5	14.7	15.1	15.4
SSP2 - CEPAM Medium	13.0	13.2	13.7	14.4	14.6	14.9	15.3
SSP2 - CEPAM Double Migration	13.0	13.2	13.6	14.3	14.6	14.8	15.2
SSP3 - Stalled Development	13.0	13.1	13.5	14.0	14.1	14.1	14.1

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.31	1.21	1.10	1.06	1.07	1.10	1.13
SSP2 - CEPAM Zero Migration	1.41	1.40	1.40	1.41	1.43	1.46	1.51
SSP2 - CEPAM Medium	1.41	1.40	1.39	1.41	1.43	1.46	1.51
SSP2 - CEPAM Double Migration	1.41	1.40	1.39	1.41	1.43	1.46	1.51
SSP3 - Stalled Development	1.52	1.64	1.76	1.83	1.85	1.89	1.96
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	87.7	89.2	92.4	98.6	101.7	106.4	112.7
SSP2 - CEPAM Zero Migration	87.2	88.2	90.4	94.6	96.8	100.0	104.2
SSP2 - CEPAM Medium	87.2	88.2	90.4	94.6	96.8	99.9	104.2
SSP2 - CEPAM Double Migration	87.2	88.2	90.4	94.6	96.7	99.9	104.2
SSP3 - Stalled Development	86.7	87.2	88.4	90.6	91.7	93.3	95.5
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	172.0	194.1	230.9	286.0	300.0	309.0	295.4
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	172.0	196.1	242.4	318.9	345.8	372.8	381.1
SSP2 - CEPAM Double Migration	344.0	389.6	476.3	616.9	664.7	710.8	719.6
SSP3 - Stalled Development	114.7	66.5	0.2	0.3	0.4	0.5	0.6

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	46.3	48.3	52.0	56.0	57.4	59.1	60.9
Proportion age 65+	26.0%	28.3%	30.9%	39.3%	41.1%	42.8%	45.6%
Proportion RLE < 15 years	11.2%	11.9%	14.5%	14.6%	17.1%	17.3%	15.3%

Jordan

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	9.16	10.39	12.80	15.17	17.32	19.13
Proportion age 65+	3.8%	3.9%	5.2%	7.8%	10.8%	14.4%
Proportion below age 20	46.1%	43.6%	38.1%	32.7%	29.0%	25.6%
Total Fertility Rate	3.15	2.73	2.32	2.02	1.85	1.80
Life expectancy at birth (in years)						
Male	72.8	73.9	76.0	78.2	80.3	81.4
Female	76.3	77.4	79.6	81.7	83.9	86.0
Five-year net-migration flow (in thousands)	198.9	202.6	206.8	206.7	204.1	201.8

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	10.2%	9.0%	7.0%	5.4%	4.1%	3.0%
E2 - incomplete primary	10.4%	9.2%	7.2%	5.7%	4.4%	3.2%
E3 - primary	16.5%	15.4%	13.5%	11.2%	9.1%	7.3%
E4 - lower secondary	12.4%	13.4%	14.3%	14.7%	14.3%	13.4%
E5 - upper secondary	23.0%	24.8%	28.0%	30.9%	33.3%	35.2%
E6 - post-secondary	27.6%	28.2%	29.8%	32.1%	34.8%	37.9%
Mean years of schooling (in years)	9.7	10.0	10.5	11.0	11.4	11.8
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.99	0.97	0.95	0.94	0.92	0.89
E2 - incomplete primary	0.99	1.00	1.00	1.01	1.00	1.00
E3 - primary	1.00	1.00	1.03	1.04	1.06	1.07
E4 - lower secondary	1.01	1.02	1.06	1.12	1.15	1.19
E5 - upper secondary	1.01	1.02	1.01	1.02	1.04	1.07
E6 - post-secondary	1.00	0.99	0.96	0.93	0.90	0.88
Mean years of schooling (male minus female)	0.0	0.0	0.0	0.0	-0.1	-0.1
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	7.6%	6.2%	3.7%	2.2%	1.2%	0.5%
E2 - incomplete primary	8.3%	6.6%	4.3%	2.8%	1.7%	0.8%
E3 - primary	14.3%	12.7%	9.7%	6.7%	4.4%	2.7%
E4 - lower secondary	14.8%	15.4%	15.5%	14.4%	12.5%	9.9%
E5 - upper secondary	31.2%	32.5%	36.2%	39.2%	41.5%	42.9%
E6 - post-secondary	23.8%	26.7%	30.7%	34.6%	38.8%	43.2%
Mean years of schooling (in years)	10.1	10.6	11.4	12.0	12.5	13.0

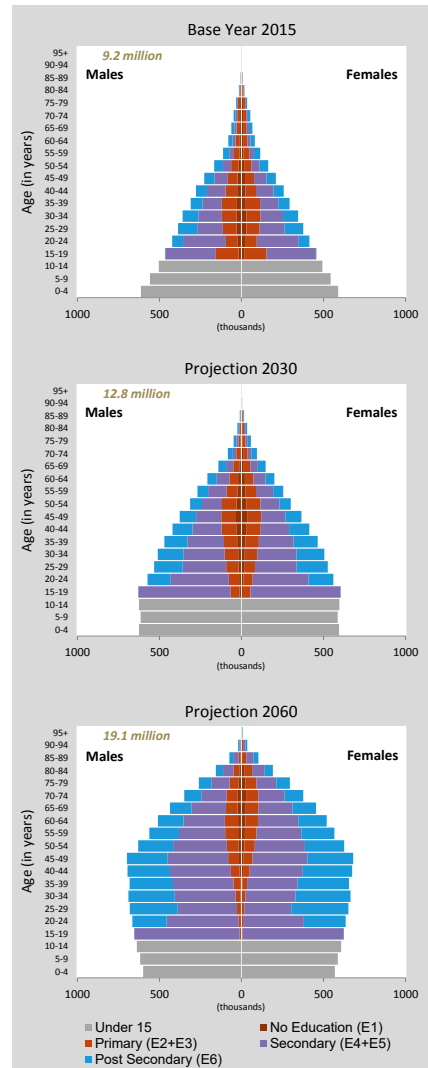
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

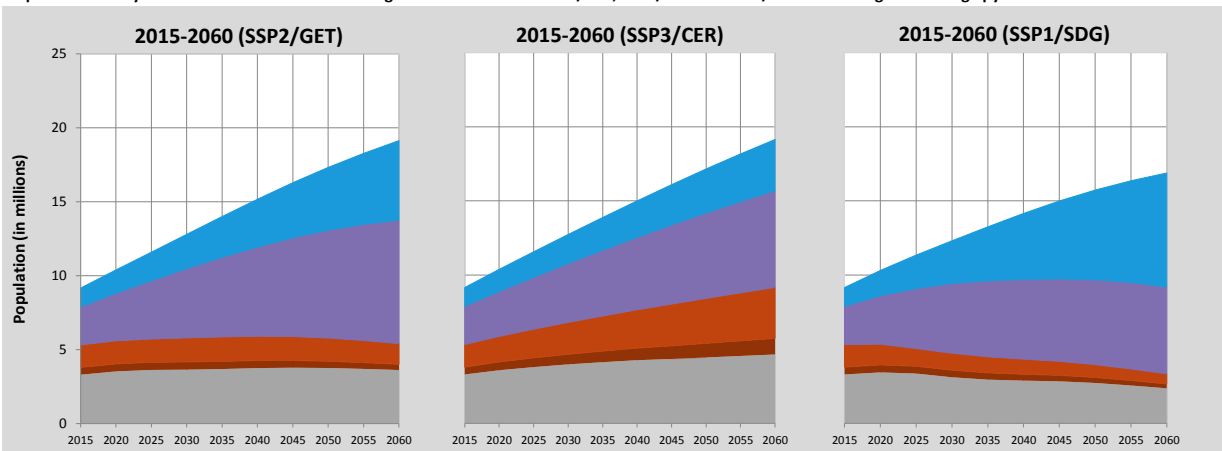
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

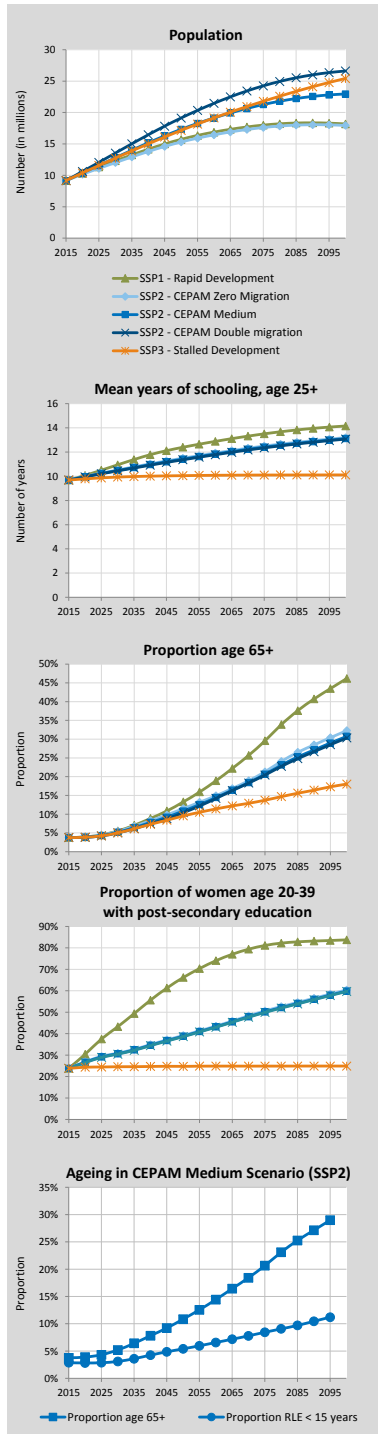
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Jordan (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	9.16	10.31	12.31	15.73	16.88	18.00	18.18
SSP2 - CEPAM Zero Migration	9.16	10.16	12.02	15.31	16.45	17.61	17.94
SSP2 - CEPAM Medium	9.16	10.39	12.80	17.32	19.13	21.27	22.96
SSP2 - CEPAM Double Migration	9.16	10.61	13.54	19.13	21.46	24.25	26.62
SSP3 - Stalled Development	9.16	10.39	12.74	17.15	19.14	21.79	25.42
Proportion age 65+							
SSP1 - Rapid Development	3.8%	3.9%	5.5%	13.3%	18.9%	29.6%	46.2%
SSP2 - CEPAM Zero Migration	3.8%	3.9%	5.4%	11.5%	14.9%	21.3%	32.3%
SSP2 - CEPAM Medium	3.8%	3.9%	5.2%	10.8%	14.4%	20.6%	30.7%
SSP2 - CEPAM Double Migration	3.8%	3.8%	5.0%	10.4%	14.2%	20.4%	30.3%
SSP3 - Stalled Development	3.8%	3.9%	5.0%	9.5%	11.4%	13.7%	18.0%
Proportion below age 20							
SSP1 - Rapid Development	46.1%	43.1%	35.3%	23.6%	19.6%	15.2%	10.9%
SSP2 - CEPAM Zero Migration	46.1%	43.9%	38.4%	29.2%	25.6%	21.7%	17.4%
SSP2 - CEPAM Medium	46.1%	43.6%	38.1%	29.0%	25.6%	21.9%	17.9%
SSP2 - CEPAM Double Migration	46.1%	43.2%	37.8%	28.9%	25.5%	22.0%	18.1%
SSP3 - Stalled Development	46.1%	44.1%	40.8%	34.2%	32.0%	29.7%	27.1%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	23.8%	30.4%	43.3%	66.2%	74.0%	81.1%	83.8%
SSP2 - CEPAM Zero Migration	23.8%	26.9%	30.9%	39.2%	43.5%	50.6%	60.4%
SSP2 - CEPAM Medium	23.8%	26.7%	30.7%	38.8%	43.2%	50.1%	59.9%
SSP2 - CEPAM Double Migration	23.8%	26.5%	30.5%	38.6%	43.0%	49.9%	59.7%
SSP3 - Stalled Development	23.8%	24.4%	24.6%	24.8%	24.9%	24.9%	24.9%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	9.7	10.1	10.9	12.4	12.9	13.5	14.2
SSP2 - CEPAM Zero Migration	9.7	10.0	10.5	11.5	11.9	12.5	13.2
SSP2 - CEPAM Medium	9.7	10.0	10.5	11.4	11.8	12.4	13.1
SSP2 - CEPAM Double Migration	9.7	9.9	10.4	11.4	11.8	12.3	13.1
SSP3 - Stalled Development	9.7	9.8	9.9	10.0	10.1	10.1	10.1

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	2.92	2.32	1.78	1.36	1.30	1.25	1.18
SSP2 - CEPAM Zero Migration	3.15	2.73	2.32	1.85	1.76	1.68	1.59
SSP2 - CEPAM Medium	3.15	2.73	2.32	1.85	1.76	1.68	1.59
SSP2 - CEPAM Double Migration	3.15	2.73	2.31	1.85	1.76	1.68	1.59
SSP3 - Stalled Development	3.36	3.11	2.84	2.42	2.34	2.28	2.19
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	76.8	78.5	81.6	87.9	91.1	95.9	102.5
SSP2 - CEPAM Zero Migration	76.3	77.4	79.6	83.9	86.1	89.3	93.6
SSP2 - CEPAM Medium	76.3	77.4	79.6	83.9	86.0	89.3	93.6
SSP2 - CEPAM Double Migration	76.3	77.4	79.5	83.9	86.0	89.3	93.6
SSP3 - Stalled Development	75.8	76.3	77.4	79.6	80.6	82.1	84.2
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	199.1	202.2	202.8	193.1	183.3	164.1	133.5
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	198.9	202.6	206.8	204.1	198.6	185.4	165.1
SSP2 - CEPAM Double Migration	397.8	398.2	390.4	352.9	327.0	283.1	227.9
SSP3 - Stalled Development	132.5	68.4	0.2	0.2	0.3	0.3	0.3

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	22.1	23.6	26.9	34.1	37.6	42.3	48.1
Proportion age 65+	3.8%	3.9%	5.2%	10.8%	14.4%	20.6%	29.0%
Proportion RLE < 15 years	2.7%	2.7%	2.9%	5.1%	6.3%	8.3%	11.0%

Kazakhstan

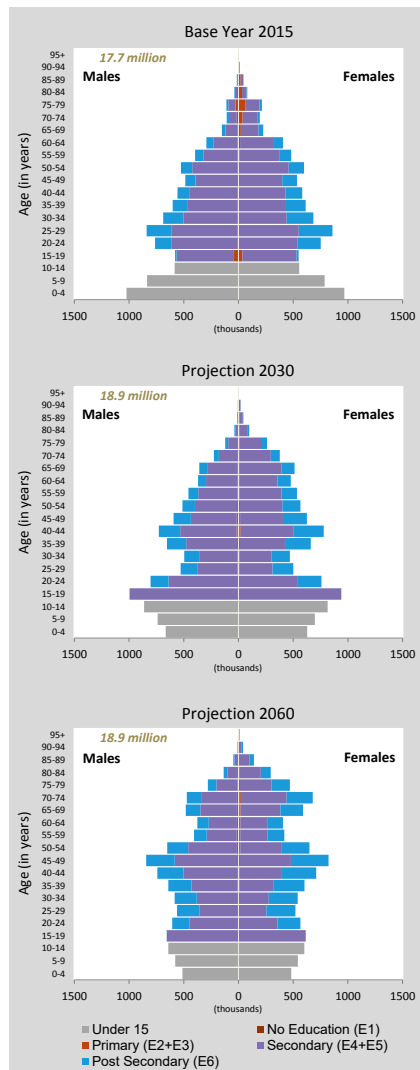
Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	17.75	18.39	18.93	19.03	19.20	18.93
Proportion age 65+	6.8%	7.7%	11.0%	13.1%	15.3%	19.3%
Proportion below age 20	33.1%	34.9%	33.5%	26.7%	25.6%	24.4%
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	2.47	2.26	1.99	1.81	1.71	1.67
Life expectancy at birth (in years)						
Male	65.2	66.4	69.0	71.5	74.0	75.2
Female	74.9	75.9	77.9	80.0	82.1	84.2
Five-year net-migration flow (in thousands)	-283.8	-288.0	-274.3	-250.2	-235.4	-225.7

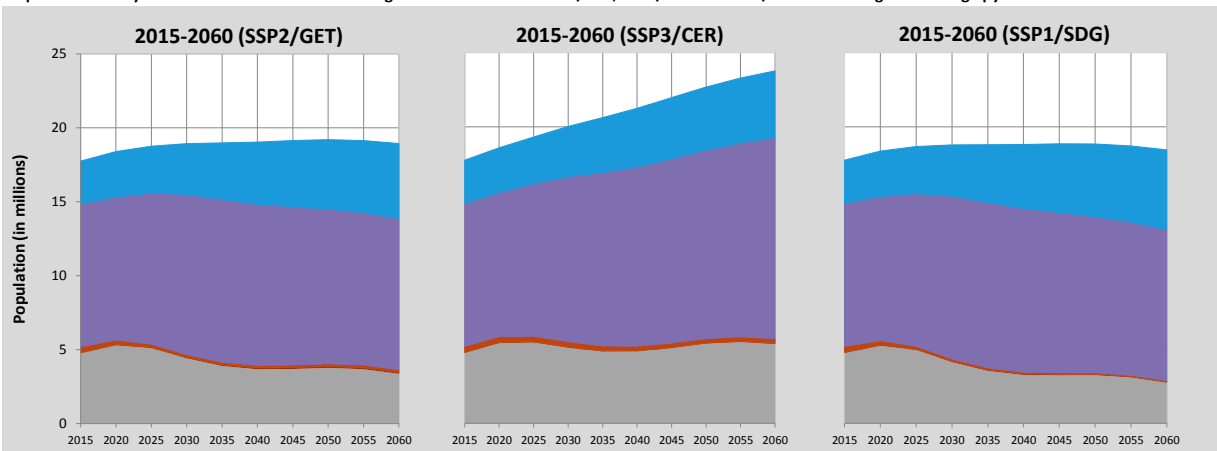
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	0.3%	0.4%	0.7%	0.7%	0.8%	0.7%
E2 - incomplete primary	1.0%	0.8%	0.5%	0.4%	0.4%	0.4%
E3 - primary	2.1%	1.5%	1.0%	0.9%	0.9%	1.0%
E4 - lower secondary	9.2%	8.1%	6.5%	4.8%	3.7%	3.0%
E5 - upper secondary	63.1%	63.5%	63.6%	62.6%	60.9%	59.1%
E6 - post-secondary	24.3%	25.6%	27.7%	30.5%	33.3%	35.8%
Mean years of schooling (in years)	10.9	11.1	11.4	11.7	11.9	12.1
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.72	0.81	0.84	0.78	0.73	0.68
E2 - incomplete primary	0.64	0.72	0.96	1.06	1.00	0.94
E3 - primary	0.60	0.66	0.93	1.12	1.10	1.04
E4 - lower secondary	1.10	1.13	1.19	1.20	1.18	1.13
E5 - upper secondary	1.08	1.08	1.08	1.11	1.14	1.17
E6 - post-secondary	0.85	0.83	0.81	0.79	0.77	0.76
Mean years of schooling (male minus female)	0.0	0.0	-0.1	-0.1	-0.1	-0.2
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	0.2%	0.4%	0.4%	0.3%	0.2%	0.2%
E2 - incomplete primary	0.2%	0.3%	0.2%	0.2%	0.1%	0.1%
E3 - primary	0.4%	0.6%	0.5%	0.4%	0.4%	0.4%
E4 - lower secondary	6.4%	5.1%	2.5%	1.3%	0.9%	0.9%
E5 - upper secondary	64.6%	63.8%	66.7%	65.1%	62.3%	59.6%
E6 - post-secondary	28.2%	29.7%	29.5%	32.7%	36.0%	38.8%
Mean years of schooling (in years)	12.0	12.1	12.2	12.4	12.6	12.7

Education scenarios
 SSP2/GET: Global Education Trend Scenario (Medium assumption)
 SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)
 SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

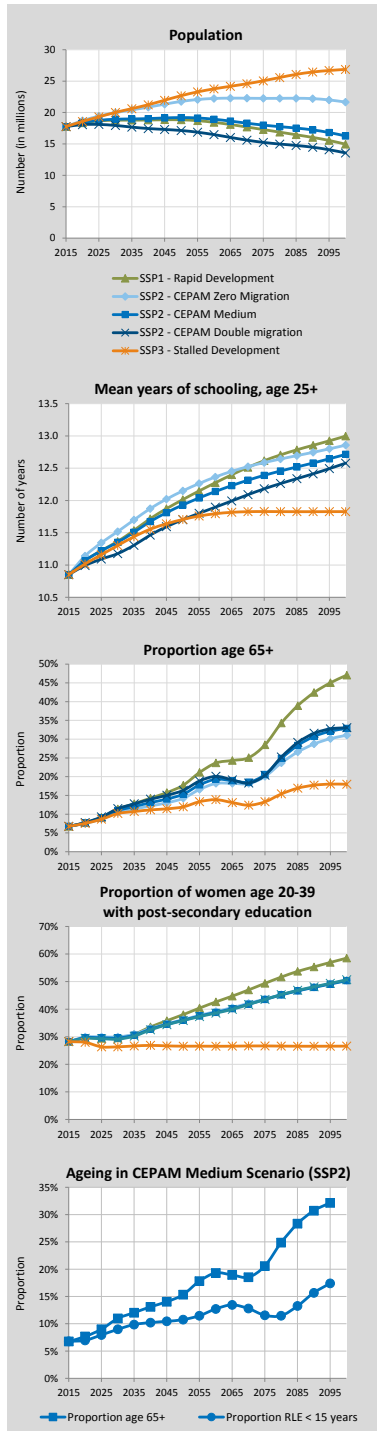
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Kazakhstan (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)

	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	17.75	18.36	18.78	18.84	18.44	17.29	14.96
SSP2 - CEPAM Zero Migration	17.75	18.71	19.98	21.76	22.24	22.25	21.67
SSP2 - CEPAM Medium	17.75	18.39	18.93	19.20	18.93	18.00	16.28
SSP2 - CEPAM Double Migration	17.75	18.08	17.94	17.14	16.48	15.25	13.58
SSP3 - Stalled Development	17.75	18.58	20.02	22.68	23.77	25.05	26.87
Proportion age 65+							
SSP1 - Rapid Development	6.8%	7.7%	11.4%	17.7%	23.7%	28.5%	47.1%
SSP2 - CEPAM Zero Migration	6.8%	7.6%	10.5%	14.2%	18.2%	20.0%	31.0%
SSP2 - CEPAM Medium	6.8%	7.7%	11.0%	15.3%	19.3%	20.6%	32.8%
SSP2 - CEPAM Double Migration	6.8%	7.8%	11.5%	16.4%	20.1%	20.4%	33.1%
SSP3 - Stalled Development	6.8%	7.6%	10.2%	12.0%	13.9%	13.3%	18.0%
Proportion below age 20							
SSP1 - Rapid Development	33.1%	34.7%	32.3%	22.7%	20.8%	15.5%	11.6%
SSP2 - CEPAM Zero Migration	33.1%	34.7%	33.4%	25.8%	24.4%	20.3%	17.4%
SSP2 - CEPAM Medium	33.1%	34.9%	33.5%	25.6%	24.4%	19.8%	16.8%
SSP2 - CEPAM Double Migration	33.1%	35.1%	33.6%	25.5%	24.5%	19.6%	16.7%
SSP3 - Stalled Development	33.1%	35.2%	35.3%	30.6%	30.2%	27.1%	25.4%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	28.2%	29.5%	29.5%	38.0%	42.6%	49.4%	58.5%
SSP2 - CEPAM Zero Migration	28.2%	29.9%	29.9%	36.2%	39.2%	43.7%	50.4%
SSP2 - CEPAM Medium	28.2%	29.7%	29.5%	36.0%	38.8%	43.5%	50.3%
SSP2 - CEPAM Double Migration	28.2%	29.4%	29.1%	35.9%	38.6%	43.5%	50.7%
SSP3 - Stalled Development	28.2%	28.0%	26.3%	26.6%	26.6%	26.7%	26.6%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	10.9	11.1	11.4	12.0	12.3	12.6	13.0
SSP2 - CEPAM Zero Migration	10.9	11.1	11.5	12.1	12.4	12.6	12.9
SSP2 - CEPAM Medium	10.9	11.1	11.4	11.9	12.1	12.4	12.7
SSP2 - CEPAM Double Migration	10.9	11.0	11.2	11.7	11.9	12.2	12.6
SSP3 - Stalled Development	10.9	11.0	11.3	11.7	11.8	11.8	11.8

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	2.39	2.10	1.77	1.49	1.43	1.39	1.38
SSP2 - CEPAM Zero Migration	2.47	2.26	1.99	1.70	1.65	1.60	1.59
SSP2 - CEPAM Medium	2.47	2.26	1.99	1.71	1.65	1.60	1.59
SSP2 - CEPAM Double Migration	2.47	2.25	1.99	1.71	1.65	1.60	1.59
SSP3 - Stalled Development	2.62	2.54	2.42	2.16	2.09	2.04	2.04
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	75.4	76.9	80.0	86.1	89.2	93.8	97.7
SSP2 - CEPAM Zero Migration	74.9	75.9	78.0	82.2	84.2	87.4	91.5
SSP2 - CEPAM Medium	74.9	75.9	77.9	82.1	84.2	87.3	91.4
SSP2 - CEPAM Double Migration	74.9	75.9	77.9	82.0	84.1	87.1	91.3
SSP3 - Stalled Development	74.4	74.9	75.9	78.1	79.1	80.7	82.8
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-284.1	-289.3	-280.9	-254.7	-239.1	-207.4	-176.8
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-283.8	-288.0	-274.3	-235.4	-212.5	-174.3	-136.1
SSP2 - CEPAM Double Migration	-567.5	-557.2	-489.2	-348.3	-281.0	-191.3	-117.7
SSP3 - Stalled Development	-189.1	-97.3	-0.3	-0.3	-0.3	-0.3	-0.3

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	29.3	30.7	32.8	36.7	40.7	44.7	50.4
Proportion age 65+	6.8%	7.7%	11.0%	15.3%	19.3%	20.6%	32.1%
Proportion RLE < 15 years	6.7%	6.6%	8.8%	11.3%	13.0%	12.6%	17.0%

Kenya

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	47.23	53.49	66.26	79.06	90.64	100.15
Proportion age 65+	2.6%	2.9%	3.6%	4.9%	7.1%	9.2%
Proportion below age 20	52.3%	50.0%	44.7%	40.2%	36.2%	32.4%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	3.73	3.38	2.90	2.54	2.25	2.13
Life expectancy at birth (in years)						
Male	65.0	65.6	66.9	68.1	69.4	70.1
Female	69.6	70.2	71.4	72.6	73.8	75.0
Five-year net-migration flow (in thousands)	16.6	10.8	-2.7	-17.9	-32.1	-38.6

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	15.8%	12.9%	8.2%	5.1%	3.2%	1.9%
E2 - incomplete primary	12.5%	10.6%	7.2%	4.8%	3.1%	1.9%
E3 - primary	15.5%	15.0%	13.3%	11.1%	8.9%	6.9%
E4 - lower secondary	25.7%	27.0%	28.6%	28.2%	26.4%	23.6%
E5 - upper secondary	21.6%	24.4%	30.3%	35.9%	40.9%	45.4%
E6 - post-secondary	8.9%	10.1%	12.5%	14.9%	17.4%	20.3%
Mean years of schooling (in years)	7.9	8.4	9.3	10.1	10.7	11.3
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.59	0.60	0.65	0.71	0.78	0.85
E2 - incomplete primary	0.91	0.91	0.93	0.98	1.04	1.12
E3 - primary	0.95	0.93	0.92	0.95	0.99	1.05
E4 - lower secondary	1.04	1.02	0.97	0.95	0.94	0.94
E5 - upper secondary	1.36	1.27	1.14	1.07	1.04	1.01
E6 - post-secondary	1.31	1.25	1.15	1.09	1.05	1.03
Mean years of schooling (male minus female)	0.6	0.5	0.3	0.2	0.1	0.0
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	9.1%	6.6%	2.7%	1.3%	0.6%	0.2%
E2 - incomplete primary	9.5%	6.8%	2.8%	1.4%	0.7%	0.3%
E3 - primary	14.1%	12.8%	10.0%	7.3%	5.0%	3.2%
E4 - lower secondary	32.0%	31.2%	29.2%	25.6%	21.0%	16.1%
E5 - upper secondary	26.3%	31.6%	40.9%	47.1%	52.3%	56.1%
E6 - post-secondary	9.0%	11.0%	14.5%	17.2%	20.4%	24.0%
Mean years of schooling (in years)	8.4	9.2	10.5	11.2	11.8	12.3

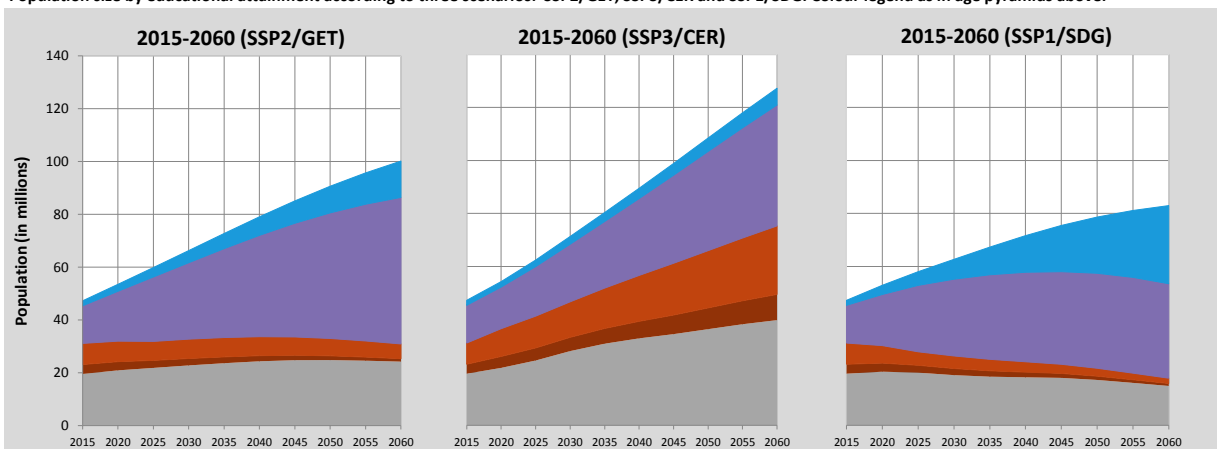
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

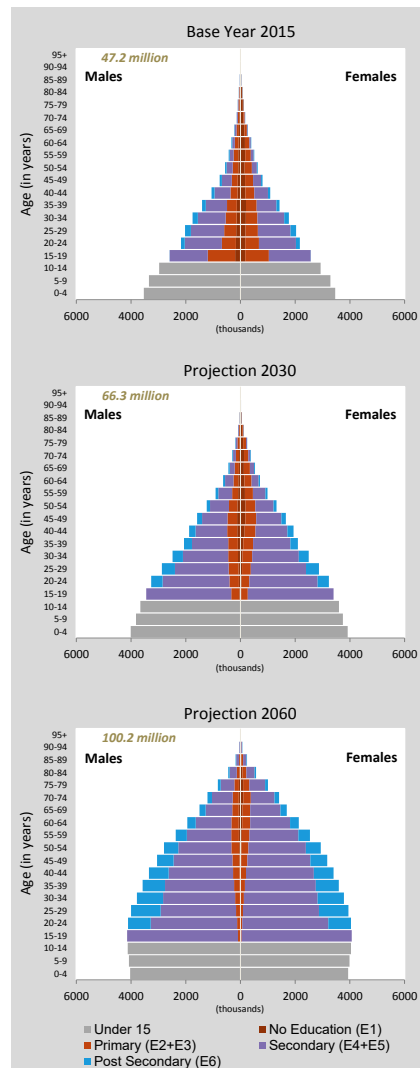
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

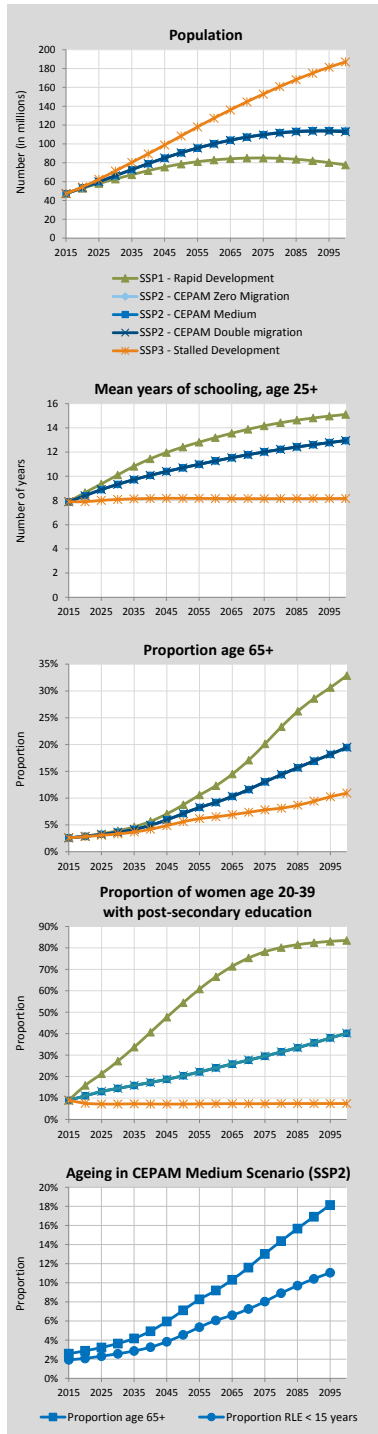
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



Kenya (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	47.23	52.91	62.69	78.65	82.98	85.07	77.70
SSP2 - CEPAM Zero Migration	47.23	53.47	66.21	90.63	100.22	110.17	114.22
SSP2 - CEPAM Medium	47.23	53.49	66.26	90.64	100.15	109.93	113.60
SSP2 - CEPAM Double Migration	47.23	53.51	66.30	90.63	100.06	109.64	112.89
SSP3 - Stalled Development	47.23	54.30	71.33	108.50	127.29	152.92	187.05
Proportion age 65+							
SSP1 - Rapid Development	2.6%	2.9%	3.9%	8.8%	12.3%	20.1%	32.9%
SSP2 - CEPAM Zero Migration	2.6%	2.9%	3.6%	7.1%	9.2%	13.0%	19.4%
SSP2 - CEPAM Medium	2.6%	2.9%	3.6%	7.1%	9.2%	13.0%	19.4%
SSP2 - CEPAM Double Migration	2.6%	2.9%	3.6%	7.1%	9.2%	13.1%	19.5%
SSP3 - Stalled Development	2.6%	2.8%	3.3%	5.6%	6.5%	7.8%	10.9%
Proportion below age 20							
SSP1 - Rapid Development	52.3%	49.4%	41.2%	29.6%	24.9%	19.7%	14.4%
SSP2 - CEPAM Zero Migration	52.3%	50.0%	44.7%	36.2%	32.3%	27.8%	22.7%
SSP2 - CEPAM Medium	52.3%	50.0%	44.7%	36.2%	32.4%	27.8%	22.7%
SSP2 - CEPAM Double Migration	52.3%	50.0%	44.7%	36.3%	32.4%	27.8%	22.7%
SSP3 - Stalled Development	52.3%	50.8%	48.9%	43.4%	40.6%	36.6%	32.3%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	9.0%	15.9%	27.2%	54.5%	66.6%	78.2%	83.5%
SSP2 - CEPAM Zero Migration	9.0%	10.9%	14.4%	20.3%	24.0%	29.5%	40.1%
SSP2 - CEPAM Medium	9.0%	11.0%	14.5%	20.4%	24.0%	29.5%	40.2%
SSP2 - CEPAM Double Migration	9.0%	11.0%	14.5%	20.4%	24.1%	29.6%	40.3%
SSP3 - Stalled Development	9.0%	7.5%	7.2%	7.2%	7.3%	7.3%	7.4%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	7.9	8.7	10.1	12.4	13.2	14.2	15.1
SSP2 - CEPAM Zero Migration	7.9	8.4	9.3	10.7	11.3	12.0	12.9
SSP2 - CEPAM Medium	7.9	8.4	9.3	10.7	11.3	12.0	12.9
SSP2 - CEPAM Double Migration	7.9	8.4	9.3	10.7	11.3	12.0	12.9
SSP3 - Stalled Development	7.9	7.9	8.1	8.2	8.2	8.2	8.2

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	3.42	2.81	2.17	1.63	1.49	1.34	1.23
SSP2 - CEPAM Zero Migration	3.73	3.38	2.90	2.25	2.04	1.84	1.67
SSP2 - CEPAM Medium	3.73	3.38	2.90	2.25	2.04	1.84	1.67
SSP2 - CEPAM Double Migration	3.73	3.38	2.90	2.25	2.04	1.84	1.67
SSP3 - Stalled Development	4.15	4.19	3.89	3.03	2.76	2.54	2.37
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	70.2	71.4	73.8	78.2	80.4	83.8	88.2
SSP2 - CEPAM Zero Migration	69.6	70.2	71.4	73.8	75.0	76.8	79.2
SSP2 - CEPAM Medium	69.6	70.2	71.4	73.8	75.0	76.8	79.2
SSP2 - CEPAM Double Migration	69.6	70.2	71.4	73.8	75.0	76.8	79.2
SSP3 - Stalled Development	69.0	68.8	68.5	68.1	68.0	67.8	67.9
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	16.7	11.3	0.7	-19.2	-25.7	-31.0	-29.4
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	16.6	10.8	-2.7	-32.1	-44.5	-58.4	-65.7
SSP2 - CEPAM Double Migration	33.2	20.8	-7.6	-68.8	-94.3	-122.3	-136.3
SSP3 - Stalled Development	11.0	3.3	0.0	0.0	-0.1	-0.1	-0.1

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	19.0	20.0	22.7	28.2	31.0	35.3	40.2
Proportion age 65+	2.6%	2.9%	3.6%	7.1%	9.2%	13.0%	18.1%
Proportion RLE < 15 years	2.0%	2.1%	2.7%	4.6%	6.2%	8.1%	11.2%

Kiribati

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	0.11	0.12	0.14	0.15	0.16	0.17
Proportion age 65+	3.7%	4.2%	6.0%	7.3%	8.5%	10.6%
Proportion below age 20	45.5%	44.0%	41.2%	36.3%	33.4%	30.9%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	3.49	3.18	2.75	2.38	2.12	2.03
Life expectancy at birth (in years)						
Male	63.3	64.1	65.5	66.7	67.9	68.5
Female	69.9	70.8	72.5	74.1	75.4	76.8
Five-year net-migration flow (in thousands)	-2.0	-2.1	-2.4	-2.6	-2.8	-2.9

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	10.5%	8.8%	6.2%	4.1%	2.7%	1.8%
E2 - incomplete primary	12.8%	10.9%	7.9%	5.2%	3.4%	2.2%
E3 - primary	20.4%	18.6%	16.5%	14.8%	12.6%	10.7%
E4 - lower secondary	19.3%	20.0%	20.5%	19.8%	19.0%	18.2%
E5 - upper secondary	33.7%	38.1%	45.0%	51.6%	57.3%	61.8%
E6 - post-secondary	3.2%	3.5%	3.9%	4.4%	4.9%	5.5%
Mean years of schooling (in years)	8.7	9.2	10.0	10.6	11.1	11.5
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.84	0.90	1.03	1.17	1.31	1.43
E2 - incomplete primary	0.80	0.82	0.87	0.98	1.15	1.36
E3 - primary	1.17	1.17	1.20	1.20	1.26	1.32
E4 - lower secondary	1.10	1.09	1.06	1.07	1.10	1.15
E5 - upper secondary	0.97	0.95	0.93	0.93	0.92	0.92
E6 - post-secondary	1.20	1.09	0.95	0.84	0.76	0.72
Mean years of schooling (male minus female)	0.2	0.1	-0.1	-0.2	-0.2	-0.2
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	5.5%	4.4%	2.8%	1.6%	0.9%	0.5%
E2 - incomplete primary	6.3%	4.9%	3.1%	1.8%	1.1%	0.7%
E3 - primary	12.6%	11.2%	13.0%	12.9%	10.2%	7.4%
E4 - lower secondary	20.9%	21.3%	19.9%	18.1%	17.1%	15.9%
E5 - upper secondary	51.8%	54.8%	57.0%	60.9%	65.3%	69.6%
E6 - post-secondary	2.8%	3.4%	4.2%	4.7%	5.3%	5.9%
Mean years of schooling (in years)	10.5	10.9	11.4	11.7	12.1	12.5

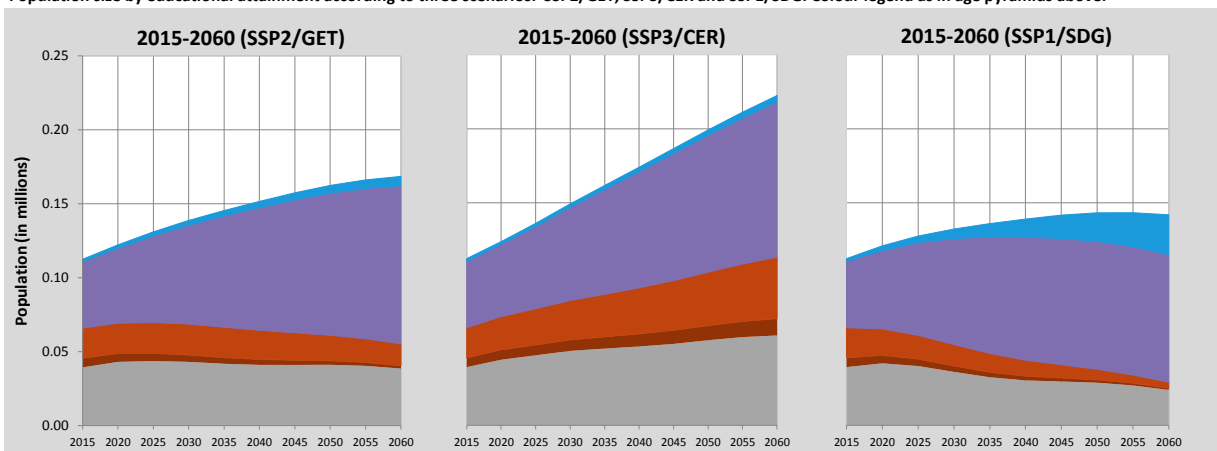
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

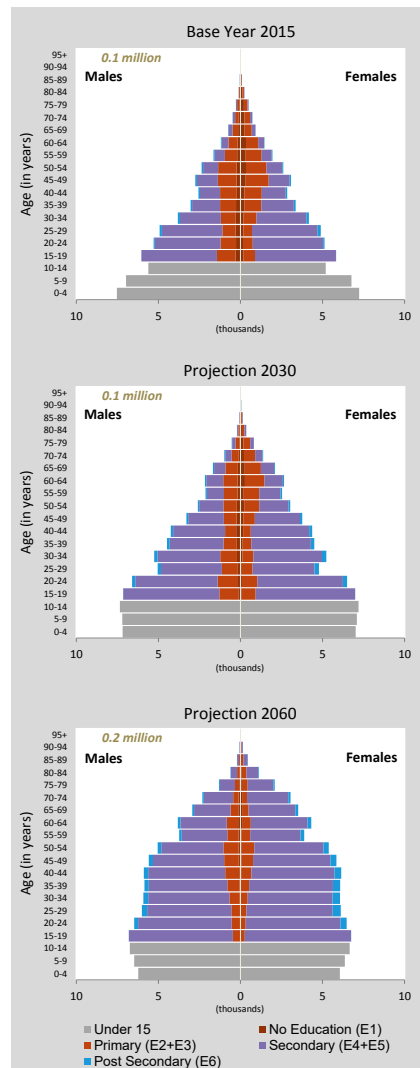
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

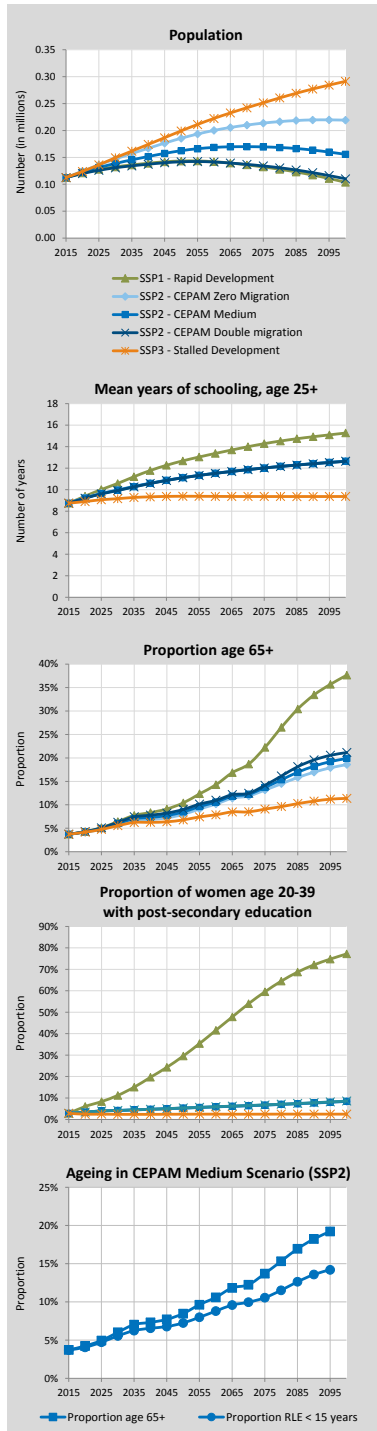
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



Kiribati (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	0.11	0.12	0.13	0.14	0.14	0.13	0.10
SSP2 - CEPAM Zero Migration	0.11	0.12	0.15	0.19	0.20	0.21	0.22
SSP2 - CEPAM Medium	0.11	0.12	0.14	0.16	0.17	0.17	0.16
SSP2 - CEPAM Double Migration	0.11	0.12	0.13	0.14	0.14	0.13	0.11
SSP3 - Stalled Development	0.11	0.12	0.15	0.20	0.22	0.25	0.29
Proportion age 65+							
SSP1 - Rapid Development	3.7%	4.3%	6.4%	10.4%	14.3%	22.2%	37.6%
SSP2 - CEPAM Zero Migration	3.7%	4.2%	5.8%	8.0%	10.2%	13.2%	18.6%
SSP2 - CEPAM Medium	3.7%	4.2%	6.0%	8.5%	10.6%	13.7%	19.9%
SSP2 - CEPAM Double Migration	3.7%	4.3%	6.3%	9.0%	11.0%	14.2%	21.2%
SSP3 - Stalled Development	3.7%	4.2%	5.6%	6.8%	7.9%	9.1%	11.4%
Proportion below age 20							
SSP1 - Rapid Development	45.5%	43.4%	38.0%	26.8%	23.6%	17.5%	13.2%
SSP2 - CEPAM Zero Migration	45.5%	43.7%	40.8%	32.9%	30.4%	26.4%	23.5%
SSP2 - CEPAM Medium	45.5%	44.0%	41.2%	33.4%	30.9%	26.5%	23.4%
SSP2 - CEPAM Double Migration	45.5%	44.3%	41.6%	33.9%	31.5%	26.6%	23.2%
SSP3 - Stalled Development	45.5%	44.4%	43.2%	37.5%	35.8%	32.8%	31.4%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	2.8%	6.0%	11.2%	29.6%	41.6%	59.5%	77.2%
SSP2 - CEPAM Zero Migration	2.8%	3.4%	4.2%	5.3%	5.9%	6.7%	8.4%
SSP2 - CEPAM Medium	2.8%	3.4%	4.2%	5.3%	5.9%	6.7%	8.5%
SSP2 - CEPAM Double Migration	2.8%	3.4%	4.2%	5.4%	5.9%	6.8%	8.6%
SSP3 - Stalled Development	2.8%	2.4%	2.4%	2.4%	2.5%	2.5%	2.5%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	8.7	9.4	10.6	12.7	13.4	14.3	15.3
SSP2 - CEPAM Zero Migration	8.7	9.2	10.0	11.1	11.5	12.0	12.7
SSP2 - CEPAM Medium	8.7	9.2	10.0	11.1	11.5	12.0	12.6
SSP2 - CEPAM Double Migration	8.7	9.2	9.9	11.1	11.5	12.0	12.6
SSP3 - Stalled Development	8.7	8.9	9.2	9.4	9.4	9.4	9.4

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	3.21	2.65	2.02	1.49	1.37	1.28	1.24
SSP2 - CEPAM Zero Migration	3.49	3.18	2.75	2.12	1.96	1.85	1.82
SSP2 - CEPAM Medium	3.49	3.18	2.75	2.12	1.96	1.85	1.82
SSP2 - CEPAM Double Migration	3.49	3.18	2.75	2.12	1.96	1.85	1.82
SSP3 - Stalled Development	3.75	3.63	3.33	2.69	2.51	2.42	2.45
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	70.4	71.9	74.7	79.6	81.9	85.3	89.6
SSP2 - CEPAM Zero Migration	69.9	70.8	72.5	75.4	76.8	78.6	80.9
SSP2 - CEPAM Medium	69.9	70.8	72.5	75.4	76.8	78.6	80.9
SSP2 - CEPAM Double Migration	69.9	70.8	72.5	75.4	76.7	78.6	80.9
SSP3 - Stalled Development	69.3	69.6	70.2	70.7	70.7	70.9	71.0
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-2.0	-2.1	-2.3	-2.5	-2.4	-2.3	-1.8
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-2.0	-2.1	-2.4	-2.8	-2.9	-2.9	-2.7
SSP2 - CEPAM Double Migration	-4.0	-4.2	-4.6	-4.9	-4.8	-4.5	-3.9
SSP3 - Stalled Development	-1.3	-0.7	0.0	0.0	0.0	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	22.4	23.2	24.7	30.3	33.0	36.5	41.0
Proportion age 65+	3.7%	4.2%	6.0%	8.5%	10.6%	13.7%	19.2%
Proportion RLE < 15 years	3.8%	4.1%	5.5%	7.3%	8.7%	10.2%	14.3%

Kuwait

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	3.94	4.32	4.94	5.47	5.88	6.10
Proportion age 65+	2.1%	3.1%	7.5%	16.0%	24.8%	25.6%
Proportion below age 20	26.4%	26.7%	24.2%	20.3%	20.1%	19.7%
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	1.95	1.90	1.84	1.79	1.75	1.73
Life expectancy at birth (in years)						
Male	73.9	75.0	77.3	79.5	81.7	82.8
Female	76.2	77.4	79.7	82.0	84.2	86.6
Five-year net-migration flow (in thousands)	131.6	133.2	140.0	147.8	155.0	158.8

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	4.2%	4.4%	4.2%	3.7%	3.2%	2.8%
E2 - incomplete primary	29.6%	26.2%	21.9%	18.8%	14.9%	10.7%
E3 - primary	7.2%	8.5%	9.6%	8.6%	7.8%	7.2%
E4 - lower secondary	27.0%	26.4%	26.1%	25.9%	25.2%	23.8%
E5 - upper secondary	16.5%	18.1%	20.8%	24.0%	27.4%	31.1%
E6 - post-secondary	15.5%	16.3%	17.3%	19.0%	21.5%	24.5%
Mean years of schooling (in years)	7.9	8.1	8.6	9.1	9.8	10.5
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.79	0.86	0.92	0.94	0.93	0.91
E2 - incomplete primary	1.19	1.20	1.22	1.27	1.31	1.34
E3 - primary	1.12	1.15	1.19	1.19	1.19	1.19
E4 - lower secondary	1.21	1.22	1.24	1.29	1.37	1.47
E5 - upper secondary	0.92	0.92	0.93	0.96	1.00	1.06
E6 - post-secondary	0.59	0.59	0.59	0.57	0.56	0.55
Mean years of schooling (male minus female)	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	1.9%	2.4%	2.0%	1.5%	1.1%	0.7%
E2 - incomplete primary	26.5%	18.3%	8.2%	10.3%	7.6%	4.3%
E3 - primary	10.3%	12.6%	13.4%	5.2%	3.4%	2.7%
E4 - lower secondary	28.9%	27.4%	26.6%	26.3%	24.2%	20.7%
E5 - upper secondary	19.1%	23.4%	30.7%	34.7%	37.9%	41.9%
E6 - post-secondary	13.4%	15.9%	19.1%	22.0%	25.8%	29.7%
Mean years of schooling (in years)	8.8	9.5	10.9	11.6	12.3	13.0

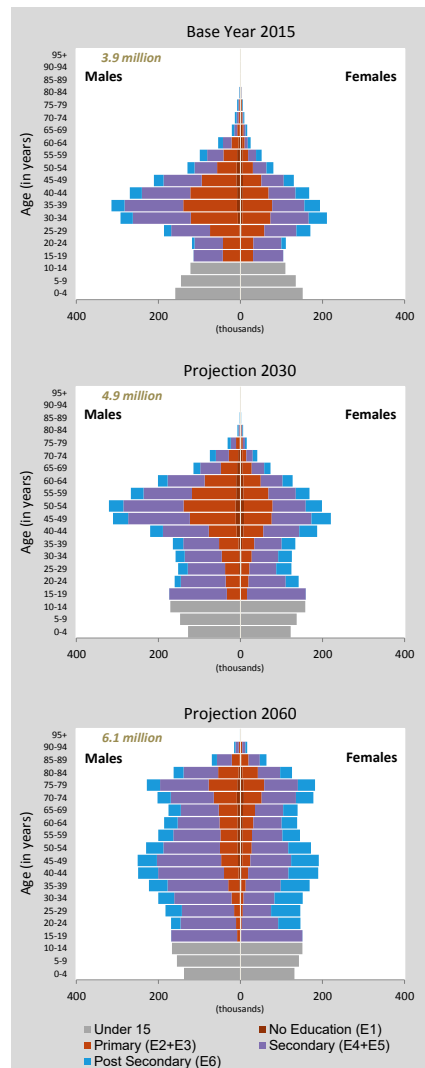
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

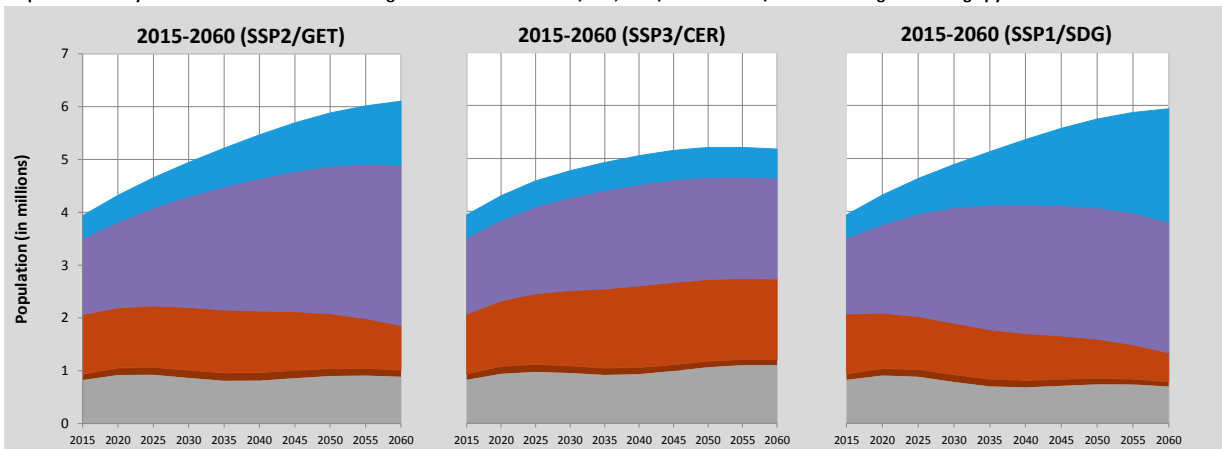
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

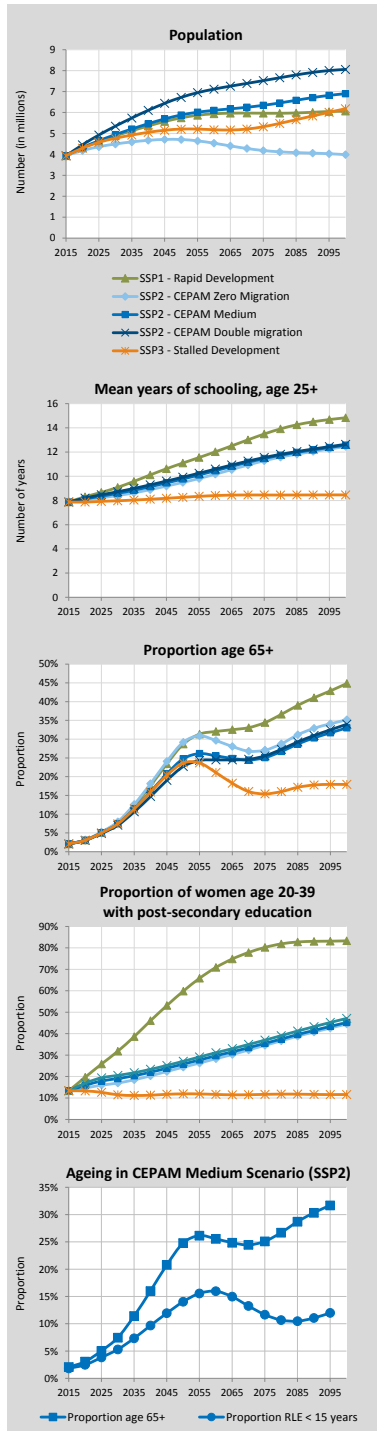
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Kuwait (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)	2015 2020 2030 2050 2060 2075 2100						
	Population (in millions)						
SSP1 - Rapid Development	3.94	4.31	4.89	5.75	5.94	5.97	6.07
SSP2 - CEPAM Zero Migration	3.94	4.18	4.50	4.71	4.53	4.19	3.99
SSP2 - CEPAM Medium	3.94	4.32	4.94	5.88	6.10	6.34	6.90
SSP2 - CEPAM Double Migration	3.94	4.46	5.35	6.72	7.12	7.52	8.06
SSP3 - Stalled Development	3.94	4.30	4.77	5.21	5.18	5.32	6.18
Proportion age 65+							
SSP1 - Rapid Development	2.1%	3.1%	7.8%	28.7%	32.1%	34.4%	44.8%
SSP2 - CEPAM Zero Migration	2.1%	3.1%	8.0%	29.2%	29.6%	27.1%	35.2%
SSP2 - CEPAM Medium	2.1%	3.1%	7.5%	24.8%	25.6%	25.1%	33.0%
SSP2 - CEPAM Double Migration	2.1%	3.0%	7.1%	22.7%	24.5%	25.6%	34.0%
SSP3 - Stalled Development	2.1%	3.0%	7.4%	23.7%	21.1%	15.4%	17.9%
Proportion below age 20							
SSP1 - Rapid Development	26.4%	26.4%	22.8%	16.9%	16.2%	13.8%	11.3%
SSP2 - CEPAM Zero Migration	26.4%	26.9%	24.3%	20.2%	20.4%	18.9%	16.3%
SSP2 - CEPAM Medium	26.4%	26.7%	24.2%	20.1%	19.7%	18.0%	15.5%
SSP2 - CEPAM Double Migration	26.4%	26.5%	24.1%	19.8%	19.2%	17.5%	14.9%
SSP3 - Stalled Development	26.4%	27.2%	26.6%	26.2%	28.2%	28.7%	27.7%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	13.4%	19.7%	31.8%	59.8%	70.9%	80.2%	83.3%
SSP2 - CEPAM Zero Migration	13.4%	14.7%	17.0%	24.4%	28.3%	34.6%	44.5%
SSP2 - CEPAM Medium	13.4%	15.9%	19.1%	25.8%	29.7%	35.5%	45.2%
SSP2 - CEPAM Double Migration	13.4%	16.9%	20.6%	27.1%	31.1%	37.0%	47.1%
SSP3 - Stalled Development	13.4%	13.3%	11.5%	11.9%	11.7%	11.7%	11.6%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	7.9	8.3	9.1	11.1	12.0	13.5	14.8
SSP2 - CEPAM Zero Migration	7.9	8.0	8.4	9.5	10.2	11.3	12.5
SSP2 - CEPAM Medium	7.9	8.1	8.6	9.8	10.5	11.5	12.6
SSP2 - CEPAM Double Migration	7.9	8.2	8.7	9.9	10.6	11.5	12.6
SSP3 - Stalled Development	7.9	7.9	8.0	8.3	8.4	8.5	8.5

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.84	1.68	1.54	1.49	1.47	1.42	1.36
SSP2 - CEPAM Zero Migration	1.95	1.90	1.84	1.75	1.71	1.64	1.57
SSP2 - CEPAM Medium	1.95	1.90	1.84	1.75	1.71	1.65	1.57
SSP2 - CEPAM Double Migration	1.94	1.89	1.84	1.76	1.72	1.65	1.57
SSP3 - Stalled Development	2.13	2.29	2.41	2.40	2.38	2.35	2.31
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	76.7	78.4	81.7	88.3	91.6	96.6	103.5
SSP2 - CEPAM Zero Migration	76.2	77.4	79.7	84.3	86.6	90.1	94.7
SSP2 - CEPAM Medium	76.2	77.4	79.7	84.2	86.6	90.0	94.6
SSP2 - CEPAM Double Migration	76.2	77.3	79.6	84.2	86.6	90.0	94.6
SSP3 - Stalled Development	75.7	76.3	77.6	80.1	81.2	82.8	85.1
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	131.8	132.2	132.1	128.8	125.7	118.0	80.9
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	131.6	133.2	140.0	155.0	162.0	159.7	132.4
SSP2 - CEPAM Double Migration	263.3	252.4	238.6	222.6	219.1	198.9	142.8
SSP3 - Stalled Development	87.7	45.6	0.2	0.2	0.3	0.3	0.3

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	33.4	36.3	41.4	43.9	45.2	46.7	50.4
Proportion age 65+	2.1%	3.1%	7.5%	24.8%	25.6%	25.1%	31.7%
Proportion RLE < 15 years	1.7%	2.0%	3.9%	11.3%	14.2%	11.7%	11.4%

Kyrgyzstan

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	5.87	6.31	6.97	7.42	7.76	7.91
Proportion age 65+	4.3%	5.0%	7.9%	9.8%	11.7%	16.2%
Proportion below age 20	39.8%	39.6%	37.2%	30.2%	27.6%	25.2%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	2.80	2.49	2.13	1.88	1.75	1.71
Life expectancy at birth (in years)						
Male	67.1	68.2	70.4	72.6	74.9	76.0
Female	75.1	76.1	78.0	79.9	81.8	83.7
Five-year net-migration flow (in thousands)	-63.2	-69.0	-76.0	-79.6	-82.3	-82.7

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	0.5%	0.5%	0.4%	0.4%	0.4%	0.3%
E2 - incomplete primary	0.6%	0.4%	0.2%	0.2%	0.2%	0.2%
E3 - primary	1.5%	1.1%	0.7%	0.5%	0.5%	0.5%
E4 - lower secondary	12.5%	11.0%	8.5%	6.1%	4.3%	3.0%
E5 - upper secondary	68.2%	69.8%	71.8%	72.9%	73.2%	72.7%
E6 - post-secondary	16.8%	17.4%	18.4%	19.8%	21.5%	23.4%
Mean years of schooling (in years)	10.6	10.8	11.1	11.3	11.6	11.7
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.49	0.58	0.72	0.70	0.65	0.60
E2 - incomplete primary	0.53	0.60	0.79	0.88	0.85	0.81
E3 - primary	0.68	0.72	0.90	0.98	0.96	0.91
E4 - lower secondary	1.39	1.42	1.48	1.47	1.43	1.39
E5 - upper secondary	1.00	1.00	1.00	1.02	1.04	1.06
E6 - post-secondary	0.86	0.85	0.83	0.82	0.81	0.81
Mean years of schooling (male minus female)	0.0	0.0	-0.1	-0.1	-0.1	-0.1
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	0.2%	0.3%	0.2%	0.1%	0.1%	0.1%
E2 - incomplete primary	0.2%	0.2%	0.1%	0.1%	0.1%	0.1%
E3 - primary	1.5%	0.9%	0.2%	0.2%	0.2%	0.2%
E4 - lower secondary	9.8%	7.3%	3.3%	1.5%	0.8%	0.5%
E5 - upper secondary	73.4%	74.7%	77.5%	77.2%	75.5%	73.4%
E6 - post-secondary	15.0%	16.8%	18.7%	20.9%	23.3%	25.8%
Mean years of schooling (in years)	11.2	11.5	11.7	11.9	12.0	12.1

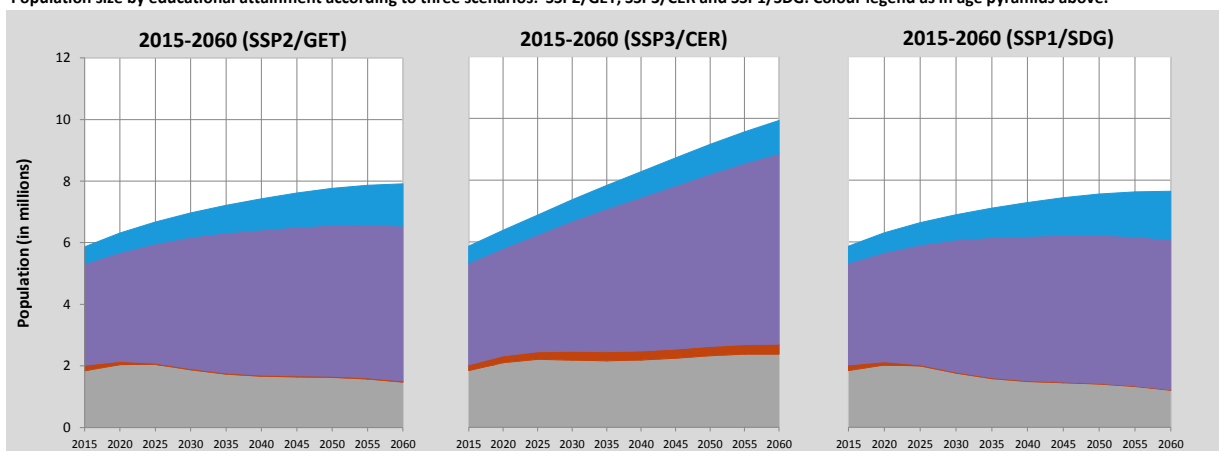
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

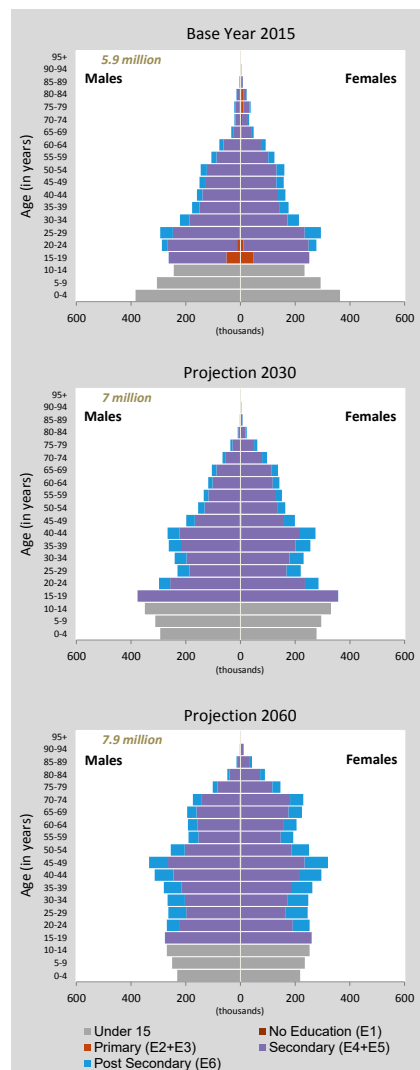
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

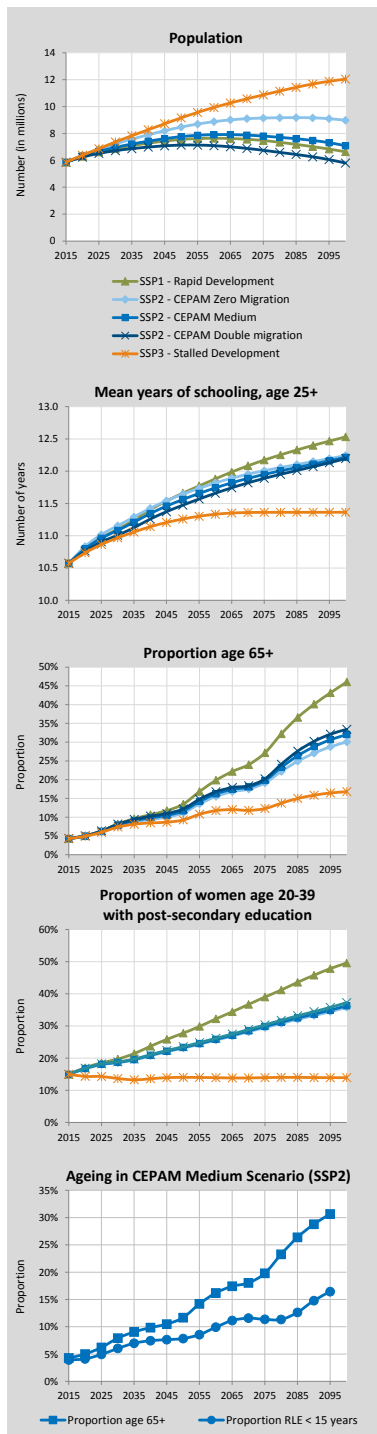
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



Kyrgyzstan (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	5.87	6.30	6.88	7.55	7.64	7.48	6.64
SSP2 - CEPAM Zero Migration	5.87	6.39	7.22	8.48	8.88	9.15	8.98
SSP2 - CEPAM Medium	5.87	6.31	6.97	7.76	7.91	7.81	7.09
SSP2 - CEPAM Double Migration	5.87	6.24	6.72	7.14	7.09	6.75	5.80
SSP3 - Stalled Development	5.87	6.38	7.37	9.16	9.93	10.87	12.04
Proportion age 65+							
SSP1 - Rapid Development	4.3%	5.0%	8.2%	13.5%	19.8%	27.2%	46.0%
SSP2 - CEPAM Zero Migration	4.3%	5.0%	7.7%	11.1%	15.5%	19.1%	30.1%
SSP2 - CEPAM Medium	4.3%	5.0%	7.9%	11.7%	16.2%	19.8%	32.0%
SSP2 - CEPAM Double Migration	4.3%	5.0%	8.1%	12.2%	16.8%	20.2%	33.4%
SSP3 - Stalled Development	4.3%	4.9%	7.4%	9.3%	11.8%	12.3%	16.8%
Proportion below age 20							
SSP1 - Rapid Development	39.8%	39.4%	36.0%	24.7%	21.6%	16.6%	11.9%
SSP2 - CEPAM Zero Migration	39.8%	39.5%	37.0%	27.6%	25.2%	21.3%	17.8%
SSP2 - CEPAM Medium	39.8%	39.6%	37.2%	27.6%	25.2%	20.9%	17.1%
SSP2 - CEPAM Double Migration	39.8%	39.8%	37.4%	27.6%	25.2%	20.6%	16.7%
SSP3 - Stalled Development	39.8%	40.0%	39.4%	32.9%	31.5%	28.8%	26.5%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	15.0%	17.0%	19.7%	27.8%	32.2%	39.0%	49.6%
SSP2 - CEPAM Zero Migration	15.0%	16.7%	18.6%	23.1%	25.6%	29.5%	35.8%
SSP2 - CEPAM Medium	15.0%	16.8%	18.7%	23.3%	25.8%	29.8%	36.3%
SSP2 - CEPAM Double Migration	15.0%	16.9%	18.8%	23.6%	26.2%	30.3%	37.2%
SSP3 - Stalled Development	15.0%	14.3%	13.7%	14.0%	13.9%	13.9%	13.9%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	10.6	10.8	11.1	11.7	11.9	12.2	12.5
SSP2 - CEPAM Zero Migration	10.6	10.8	11.2	11.6	11.8	12.0	12.2
SSP2 - CEPAM Medium	10.6	10.8	11.1	11.6	11.7	11.9	12.2
SSP2 - CEPAM Double Migration	10.6	10.8	11.0	11.5	11.7	11.9	12.2
SSP3 - Stalled Development	10.6	10.7	11.0	11.3	11.3	11.4	11.4

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	2.71	2.32	1.90	1.52	1.47	1.42	1.37
SSP2 - CEPAM Zero Migration	2.80	2.49	2.13	1.75	1.69	1.64	1.58
SSP2 - CEPAM Medium	2.80	2.49	2.13	1.75	1.69	1.64	1.58
SSP2 - CEPAM Double Migration	2.80	2.48	2.13	1.75	1.69	1.64	1.58
SSP3 - Stalled Development	3.00	2.86	2.65	2.28	2.20	2.14	2.09
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	75.6	77.1	80.0	85.8	88.7	93.0	98.8
SSP2 - CEPAM Zero Migration	75.1	76.1	78.0	81.8	83.7	86.5	90.3
SSP2 - CEPAM Medium	75.1	76.1	78.0	81.8	83.7	86.5	90.3
SSP2 - CEPAM Double Migration	75.1	76.1	78.0	81.7	83.6	86.5	90.3
SSP3 - Stalled Development	74.6	75.0	75.9	77.7	78.6	79.9	81.6
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-63.3	-69.1	-76.3	-83.9	-85.1	-81.8	-74.1
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-63.2	-69.0	-76.0	-82.3	-82.3	-77.5	-67.6
SSP2 - CEPAM Double Migration	-126.4	-135.6	-143.2	-142.0	-135.4	-117.3	-90.4
SSP3 - Stalled Development	-42.1	-23.3	-0.1	-0.1	-0.1	-0.1	-0.1

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	25.3	26.4	28.4	34.9	38.8	43.5	49.7
Proportion age 65+	4.3%	5.0%	7.9%	11.7%	16.2%	19.8%	30.6%
Proportion RLE < 15 years	3.8%	3.7%	5.6%	8.0%	9.7%	12.0%	16.2%

Laos

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	6.66	7.16	8.02	8.67	9.09	9.27
Proportion age 65+	3.9%	4.3%	5.5%	7.3%	9.9%	13.8%
Proportion below age 20	44.4%	41.7%	36.6%	32.0%	28.6%	26.0%
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	2.61	2.37	2.10	1.94	1.86	1.83
Life expectancy at birth (in years)						
Male	65.6	66.5	68.3	70.2	72.0	72.9
Female	68.7	69.7	71.7	73.7	75.6	77.6
Five-year net-migration flow (in thousands)	-76.2	-82.0	-91.6	-98.6	-102.7	-103.6

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	24.2%	20.5%	14.6%	10.4%	7.2%	4.7%
E2 - incomplete primary	18.9%	17.1%	13.7%	10.4%	7.5%	5.2%
E3 - primary	23.3%	22.9%	21.4%	18.7%	15.3%	12.0%
E4 - lower secondary	12.1%	14.2%	17.6%	19.5%	20.1%	19.4%
E5 - upper secondary	8.7%	10.7%	14.5%	18.5%	22.2%	25.2%
E6 - post-secondary	12.7%	14.6%	18.2%	22.6%	27.7%	33.6%
Mean years of schooling (in years)	5.9	6.4	7.5	8.5	9.5	10.4
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.48	0.50	0.57	0.65	0.72	0.82
E2 - incomplete primary	1.02	1.02	1.00	1.00	1.02	1.04
E3 - primary	1.19	1.10	0.97	0.91	0.88	0.86
E4 - lower secondary	1.26	1.17	1.08	1.04	1.01	1.01
E5 - upper secondary	1.39	1.28	1.15	1.09	1.06	1.04
E6 - post-secondary	1.74	1.55	1.32	1.19	1.09	1.04
Mean years of schooling (male minus female)	0.9	0.8	0.5	0.4	0.2	0.1
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	14.9%	11.5%	6.3%	3.5%	1.8%	0.8%
E2 - incomplete primary	14.5%	12.1%	7.6%	4.2%	2.1%	0.9%
E3 - primary	23.6%	21.6%	17.2%	11.7%	6.9%	3.6%
E4 - lower secondary	17.0%	19.2%	22.1%	21.5%	18.9%	14.3%
E5 - upper secondary	16.1%	18.6%	24.1%	29.6%	33.3%	35.3%
E6 - post-secondary	14.0%	17.0%	22.7%	29.5%	37.1%	45.0%
Mean years of schooling (in years)	6.5	7.4	9.1	10.5	11.5	12.3

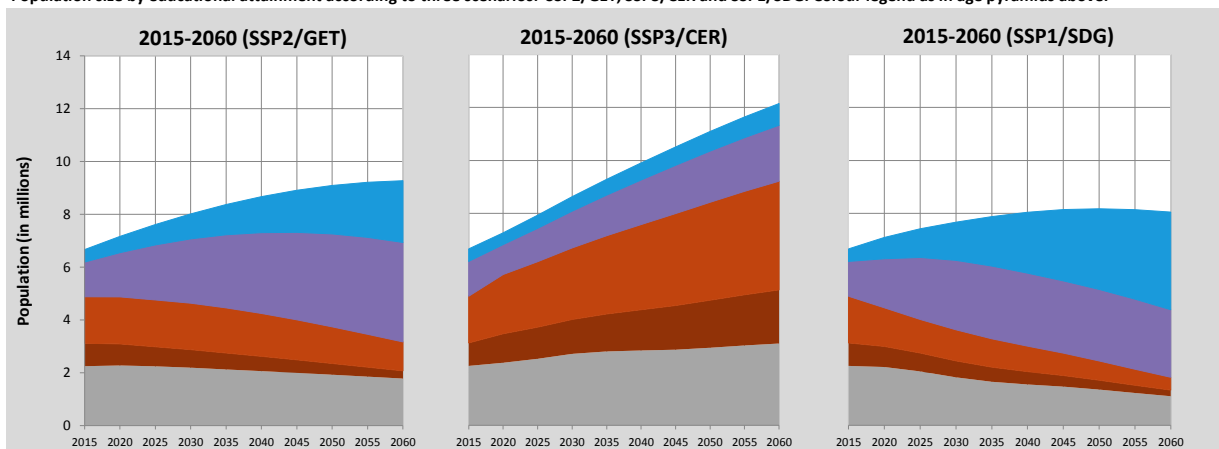
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

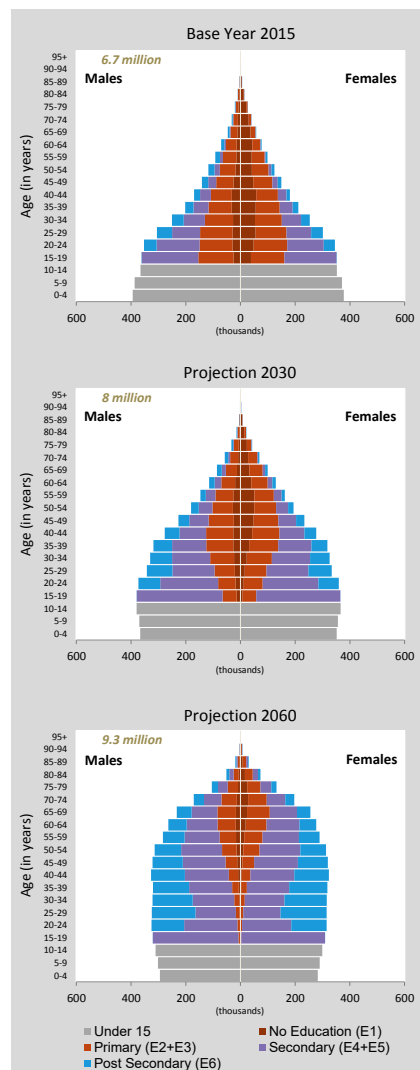
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

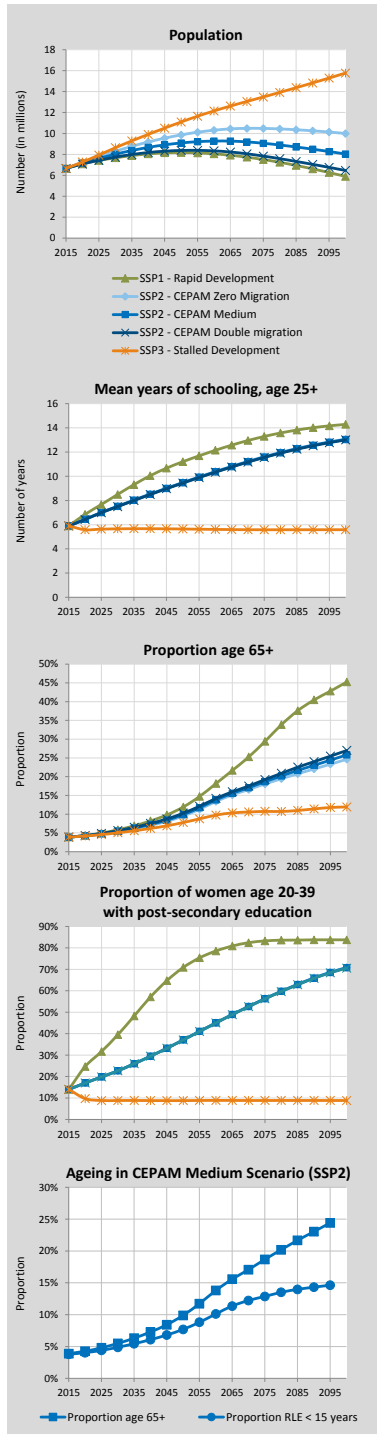
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



Laos (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	6.66	7.10	7.67	8.18	8.05	7.51	5.90
SSP2 - CEPAM Zero Migration	6.66	7.24	8.30	9.86	10.31	10.48	10.00
SSP2 - CEPAM Medium	6.66	7.16	8.02	9.09	9.27	9.06	8.03
SSP2 - CEPAM Double Migration	6.66	7.08	7.74	8.38	8.34	7.84	6.47
SSP3 - Stalled Development	6.66	7.27	8.64	11.10	12.15	13.49	15.77
Proportion age 65+							
SSP1 - Rapid Development	3.9%	4.3%	5.9%	11.9%	18.2%	29.4%	45.2%
SSP2 - CEPAM Zero Migration	3.9%	4.2%	5.4%	9.5%	13.4%	18.1%	24.6%
SSP2 - CEPAM Medium	3.9%	4.3%	5.5%	9.9%	13.8%	18.7%	25.8%
SSP2 - CEPAM Double Migration	3.9%	4.3%	5.6%	10.3%	14.2%	19.2%	27.0%
SSP3 - Stalled Development	3.9%	4.2%	5.0%	7.8%	9.8%	10.7%	11.9%
Proportion below age 20							
SSP1 - Rapid Development	44.4%	41.1%	33.4%	22.7%	19.2%	15.2%	11.1%
SSP2 - CEPAM Zero Migration	44.4%	41.5%	36.3%	28.2%	25.6%	22.8%	19.9%
SSP2 - CEPAM Medium	44.4%	41.7%	36.6%	28.6%	26.0%	23.0%	19.9%
SSP2 - CEPAM Double Migration	44.4%	41.9%	37.0%	29.0%	26.3%	23.2%	19.8%
SSP3 - Stalled Development	44.4%	42.3%	40.0%	34.8%	33.4%	32.2%	32.1%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	14.0%	24.7%	39.5%	70.9%	78.6%	83.3%	83.8%
SSP2 - CEPAM Zero Migration	14.0%	17.0%	22.7%	37.1%	45.1%	56.4%	70.9%
SSP2 - CEPAM Medium	14.0%	17.0%	22.7%	37.1%	45.0%	56.3%	70.8%
SSP2 - CEPAM Double Migration	14.0%	17.0%	22.7%	37.1%	45.0%	56.2%	70.6%
SSP3 - Stalled Development	14.0%	9.7%	8.8%	8.8%	8.9%	8.8%	8.8%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	5.9	6.8	8.5	11.2	12.1	13.3	14.3
SSP2 - CEPAM Zero Migration	5.9	6.4	7.5	9.5	10.4	11.6	13.1
SSP2 - CEPAM Medium	5.9	6.4	7.5	9.5	10.4	11.6	13.0
SSP2 - CEPAM Double Migration	5.9	6.4	7.5	9.4	10.3	11.6	13.0
SSP3 - Stalled Development	5.9	5.6	5.7	5.6	5.6	5.6	5.6

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	2.37	1.93	1.58	1.39	1.35	1.25	1.22
SSP2 - CEPAM Zero Migration	2.61	2.37	2.10	1.86	1.81	1.69	1.64
SSP2 - CEPAM Medium	2.61	2.37	2.10	1.86	1.81	1.69	1.64
SSP2 - CEPAM Double Migration	2.61	2.37	2.10	1.86	1.81	1.69	1.64
SSP3 - Stalled Development	2.91	2.93	2.79	2.48	2.46	2.51	2.54
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	69.3	71.0	74.1	79.9	82.9	87.6	93.6
SSP2 - CEPAM Zero Migration	68.7	69.7	71.7	75.6	77.6	80.5	84.5
SSP2 - CEPAM Medium	68.7	69.7	71.7	75.6	77.6	80.5	84.5
SSP2 - CEPAM Double Migration	68.7	69.7	71.7	75.6	77.6	80.5	84.5
SSP3 - Stalled Development	68.1	68.1	68.6	69.5	70.0	70.9	72.7
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-76.2	-81.3	-87.7	-92.5	-90.3	-82.9	-67.3
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-76.2	-82.0	-91.6	-102.7	-103.7	-100.0	-90.2
SSP2 - CEPAM Double Migration	-152.4	-161.9	-176.4	-188.1	-185.0	-170.8	-144.6
SSP3 - Stalled Development	-50.8	-27.8	-0.1	-0.1	-0.1	-0.1	-0.1

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	22.7	24.2	27.5	34.3	37.5	41.3	45.4
Proportion age 65+	3.9%	4.3%	5.5%	9.9%	13.8%	18.7%	24.4%
Proportion RLE < 15 years	3.8%	4.0%	4.9%	7.7%	9.9%	12.7%	14.5%

Lebanon

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	5.85	6.29	7.17	7.88	8.45	8.91
Proportion age 65+	8.1%	8.9%	11.4%	13.9%	17.7%	23.6%
Proportion below age 20	33.5%	30.0%	27.3%	24.3%	21.0%	19.5%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	1.71	1.69	1.63	1.60	1.59	1.58
Life expectancy at birth (in years)						
Male	78.2	78.9	80.2	81.4	82.7	83.3
Female	81.7	82.3	83.7	85.1	86.5	87.9
Five-year net-migration flow (in thousands)	111.7	116.6	123.7	130.6	136.5	138.3

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	7.3%	5.9%	3.8%	2.7%	2.1%	1.6%
E2 - incomplete primary	3.6%	2.9%	1.9%	1.4%	1.1%	0.9%
E3 - primary	19.9%	17.7%	13.9%	10.9%	8.2%	6.0%
E4 - lower secondary	29.5%	29.1%	28.0%	26.0%	23.3%	20.2%
E5 - upper secondary	18.8%	21.0%	24.5%	27.2%	29.5%	31.5%
E6 - post-secondary	20.8%	23.3%	27.9%	31.8%	35.9%	39.8%
Mean years of schooling (in years)	9.5	10.0	10.8	11.4	11.9	12.4
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.54	0.58	0.67	0.76	0.80	0.80
E2 - incomplete primary	1.14	1.09	1.04	1.05	1.07	1.06
E3 - primary	1.29	1.29	1.30	1.29	1.26	1.23
E4 - lower secondary	0.97	0.99	1.03	1.08	1.13	1.18
E5 - upper secondary	0.99	0.99	1.01	1.05	1.09	1.14
E6 - post-secondary	1.00	0.94	0.89	0.85	0.82	0.81
Mean years of schooling (male minus female)	0.1	0.0	-0.1	-0.2	-0.2	-0.2
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	1.3%	1.4%	0.9%	0.7%	0.5%	0.4%
E2 - incomplete primary	0.6%	0.7%	0.5%	0.4%	0.3%	0.2%
E3 - primary	13.5%	10.4%	5.8%	3.3%	1.9%	1.2%
E4 - lower secondary	30.0%	27.6%	24.2%	19.3%	14.7%	10.8%
E5 - upper secondary	27.4%	29.9%	33.4%	36.6%	38.4%	38.8%
E6 - post-secondary	27.2%	29.9%	35.2%	39.6%	44.2%	48.6%
Mean years of schooling (in years)	11.4	11.8	12.5	13.1	13.5	13.9

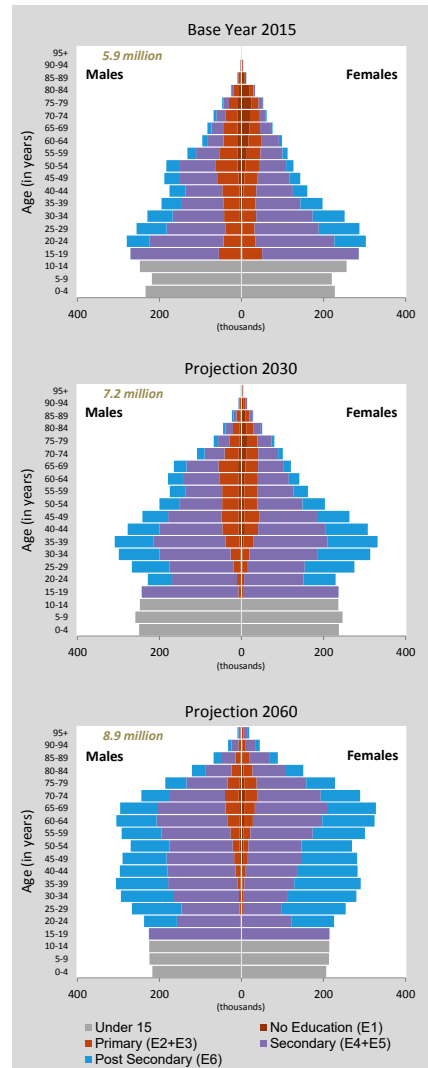
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

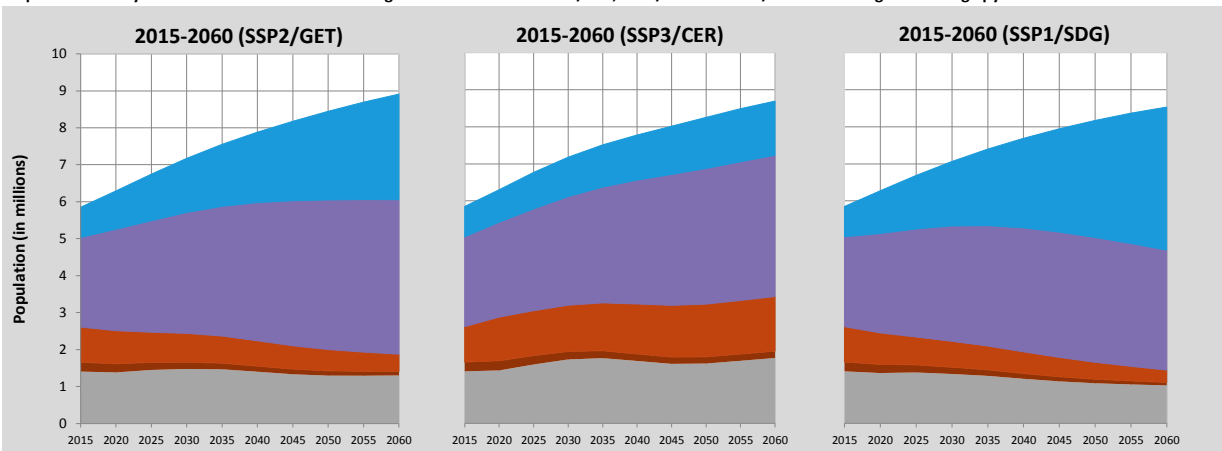
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

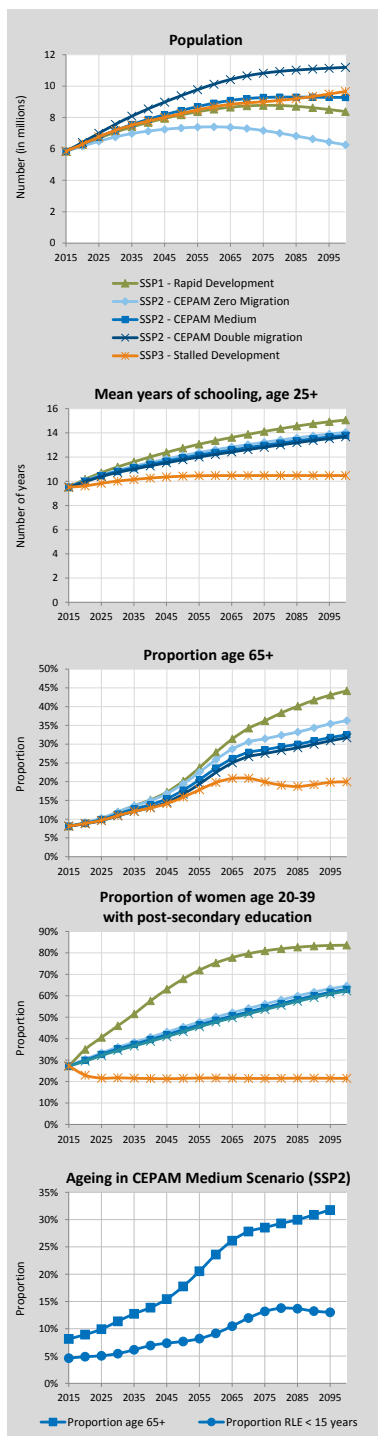
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Lebanon (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	5.85	6.27	7.06	8.17	8.53	8.77	8.38
SSP2 - CEPAM Zero Migration	5.85	6.17	6.76	7.33	7.41	7.17	6.26
SSP2 - CEPAM Medium	5.85	6.29	7.17	8.45	8.91	9.27	9.28
SSP2 - CEPAM Double Migration	5.85	6.41	7.57	9.39	10.12	10.82	11.20
SSP3 - Stalled Development	5.85	6.30	7.18	8.25	8.69	9.01	9.66
Proportion age 65+							
SSP1 - Rapid Development	8.1%	9.0%	11.9%	20.2%	27.8%	36.2%	44.2%
SSP2 - CEPAM Zero Migration	8.1%	9.1%	11.9%	19.4%	25.9%	31.4%	36.3%
SSP2 - CEPAM Medium	8.1%	8.9%	11.4%	17.7%	23.6%	28.5%	32.5%
SSP2 - CEPAM Double Migration	8.1%	8.8%	10.9%	16.7%	22.5%	27.5%	31.7%
SSP3 - Stalled Development	8.1%	8.8%	11.0%	15.9%	19.8%	19.9%	20.0%
Proportion below age 20							
SSP1 - Rapid Development	33.5%	29.7%	25.7%	18.3%	16.4%	14.3%	12.8%
SSP2 - CEPAM Zero Migration	33.5%	30.2%	27.2%	20.6%	19.0%	17.4%	16.5%
SSP2 - CEPAM Medium	33.5%	30.0%	27.3%	21.0%	19.5%	18.1%	17.3%
SSP2 - CEPAM Double Migration	33.5%	29.9%	27.3%	21.3%	19.8%	18.4%	17.5%
SSP3 - Stalled Development	33.5%	30.7%	30.6%	26.3%	26.4%	26.2%	27.4%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	27.2%	35.0%	46.0%	67.9%	75.4%	81.0%	83.6%
SSP2 - CEPAM Zero Migration	27.2%	30.3%	36.0%	45.4%	50.1%	56.1%	64.6%
SSP2 - CEPAM Medium	27.2%	29.9%	35.2%	44.2%	48.6%	54.5%	63.0%
SSP2 - CEPAM Double Migration	27.2%	29.5%	34.5%	43.3%	47.7%	53.6%	62.3%
SSP3 - Stalled Development	27.2%	23.0%	21.7%	21.5%	21.6%	21.5%	21.5%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	9.5	10.2	11.2	12.7	13.3	14.1	15.1
SSP2 - CEPAM Zero Migration	9.5	10.0	10.9	12.1	12.6	13.2	14.0
SSP2 - CEPAM Medium	9.5	10.0	10.8	11.9	12.4	13.0	13.8
SSP2 - CEPAM Double Migration	9.5	10.0	10.7	11.8	12.2	12.8	13.7
SSP3 - Stalled Development	9.5	9.6	10.0	10.4	10.5	10.5	10.5

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.62	1.51	1.38	1.35	1.36	1.38	1.41
SSP2 - CEPAM Zero Migration	1.71	1.68	1.62	1.58	1.58	1.59	1.62
SSP2 - CEPAM Medium	1.71	1.69	1.63	1.59	1.59	1.60	1.63
SSP2 - CEPAM Double Migration	1.71	1.69	1.63	1.59	1.59	1.60	1.63
SSP3 - Stalled Development	1.90	2.09	2.18	2.19	2.21	2.27	2.37
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	82.2	83.4	85.8	90.6	93.0	96.6	101.6
SSP2 - CEPAM Zero Migration	81.7	82.4	83.8	86.6	88.0	90.1	92.9
SSP2 - CEPAM Medium	81.7	82.3	83.7	86.5	87.9	90.0	92.8
SSP2 - CEPAM Double Migration	81.7	82.3	83.7	86.5	87.8	89.9	92.7
SSP3 - Stalled Development	81.1	81.2	81.5	82.1	82.3	82.7	83.2
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	111.8	115.9	118.5	119.8	115.6	107.1	92.6
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	111.7	116.6	123.7	136.5	139.3	142.0	138.6
SSP2 - CEPAM Double Migration	223.4	227.2	227.7	226.4	219.6	210.3	191.0
SSP3 - Stalled Development	74.4	39.5	0.1	0.2	0.2	0.2	0.3

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	28.5	30.8	35.1	42.5	44.8	48.2	49.9
Proportion age 65+	8.1%	8.9%	11.4%	17.7%	23.6%	28.5%	31.8%
Proportion RLE < 15 years	4.1%	4.4%	5.0%	6.7%	8.5%	13.2%	13.1%

Lesotho

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	2.17	2.30	2.49	2.62	2.68	2.67
Proportion age 65+	4.4%	4.6%	4.5%	4.6%	6.4%	9.3%
Proportion below age 20	47.2%	45.3%	42.2%	37.3%	33.6%	30.2%
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	2.92	2.62	2.27	2.02	1.85	1.79
Life expectancy at birth (in years)						
Male	52.4	53.5	55.5	57.5	59.5	60.5
Female	56.8	57.7	59.6	61.4	63.3	65.1
Five-year net-migration flow (in thousands)	-33.5	-35.5	-38.4	-40.3	-41.2	-41.1

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	11.7%	9.2%	5.7%	3.6%	2.3%	1.4%
E2 - incomplete primary	33.1%	29.2%	21.3%	14.9%	10.1%	6.7%
E3 - primary	29.5%	31.1%	32.9%	31.2%	27.2%	22.4%
E4 - lower secondary	9.0%	10.4%	13.1%	15.5%	17.0%	17.6%
E5 - upper secondary	8.9%	11.0%	15.3%	20.4%	25.7%	30.7%
E6 - post-secondary	7.8%	9.1%	11.7%	14.5%	17.7%	21.1%
Mean years of schooling (in years)	7.0	7.6	8.6	9.5	10.3	11.0
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	4.14	4.34	4.67	4.89	5.04	5.03
E2 - incomplete primary	1.05	1.22	1.61	2.03	2.53	2.98
E3 - primary	0.58	0.59	0.63	0.69	0.75	0.81
E4 - lower secondary	0.78	0.77	0.79	0.83	0.86	0.91
E5 - upper secondary	1.20	1.12	1.05	1.02	1.00	1.00
E6 - post-secondary	0.90	0.92	0.93	0.92	0.89	0.88
Mean years of schooling (male minus female)	-0.6	-0.6	-0.5	-0.5	-0.4	-0.3
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	6.3%	4.5%	2.3%	1.3%	0.6%	0.2%
E2 - incomplete primary	24.1%	20.3%	12.0%	6.4%	3.3%	1.5%
E3 - primary	34.2%	34.0%	31.9%	25.7%	18.3%	11.4%
E4 - lower secondary	12.6%	13.5%	16.6%	18.8%	19.1%	17.4%
E5 - upper secondary	13.8%	17.0%	23.4%	30.7%	37.5%	43.6%
E6 - post-secondary	8.9%	10.6%	13.7%	17.1%	21.2%	25.8%
Mean years of schooling (in years)	9.0	9.5	10.4	11.1	11.8	12.5

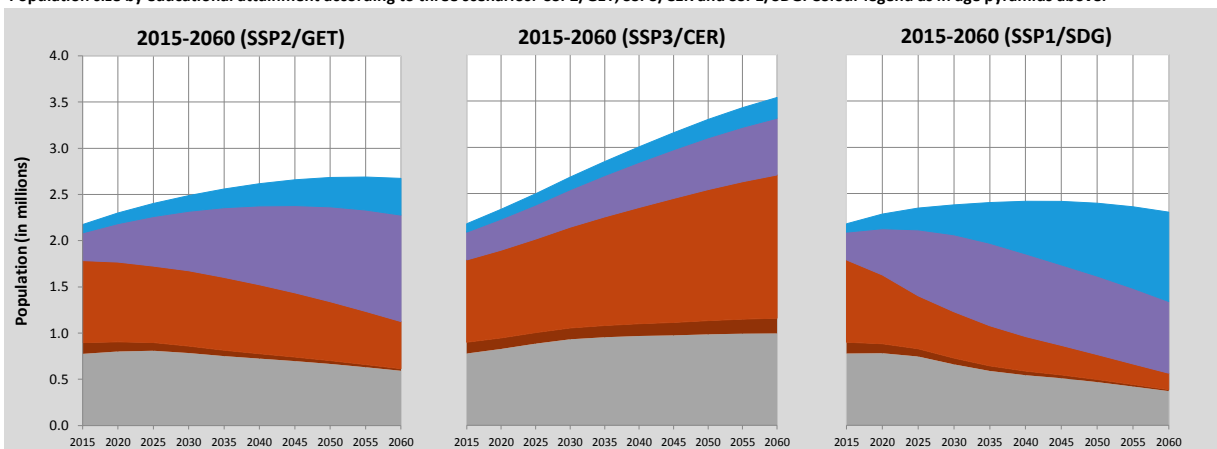
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

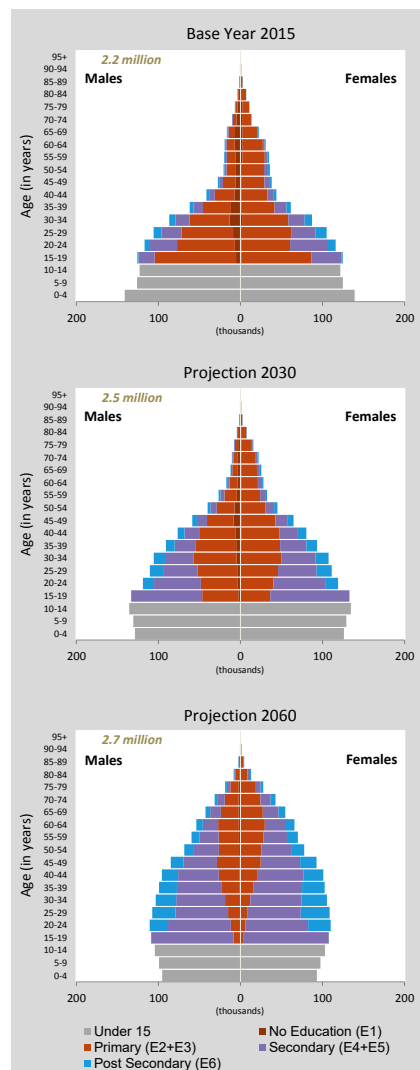
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

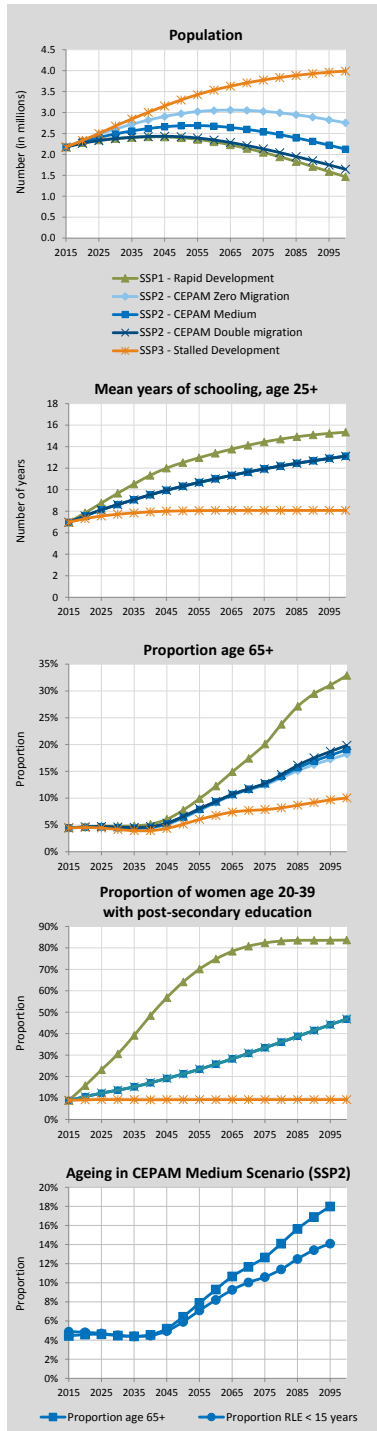
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



Lesotho (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	2.17	2.28	2.38	2.40	2.30	2.05	1.47
SSP2 - CEPAM Zero Migration	2.17	2.34	2.60	2.97	3.05	3.03	2.75
SSP2 - CEPAM Medium	2.17	2.30	2.49	2.68	2.67	2.54	2.13
SSP2 - CEPAM Double Migration	2.17	2.26	2.37	2.42	2.34	2.13	1.65
SSP3 - Stalled Development	2.17	2.33	2.68	3.30	3.54	3.78	3.99
Proportion age 65+							
SSP1 - Rapid Development	4.4%	4.6%	4.8%	7.8%	12.3%	20.1%	32.9%
SSP2 - CEPAM Zero Migration	4.4%	4.5%	4.4%	6.3%	9.1%	12.4%	18.2%
SSP2 - CEPAM Medium	4.4%	4.6%	4.5%	6.4%	9.3%	12.7%	19.0%
SSP2 - CEPAM Double Migration	4.4%	4.6%	4.6%	6.6%	9.4%	12.8%	19.8%
SSP3 - Stalled Development	4.4%	4.5%	4.1%	5.2%	6.8%	7.9%	10.0%
Proportion below age 20							
SSP1 - Rapid Development	47.2%	44.7%	38.9%	26.9%	22.7%	18.0%	13.7%
SSP2 - CEPAM Zero Migration	47.2%	45.0%	41.5%	32.8%	29.5%	25.9%	22.2%
SSP2 - CEPAM Medium	47.2%	45.3%	42.2%	33.6%	30.2%	26.5%	22.5%
SSP2 - CEPAM Double Migration	47.2%	45.7%	42.9%	34.4%	31.0%	27.1%	22.8%
SSP3 - Stalled Development	47.2%	45.7%	44.7%	39.3%	37.1%	34.9%	32.6%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	8.9%	15.8%	30.5%	64.1%	74.8%	82.3%	83.7%
SSP2 - CEPAM Zero Migration	8.9%	10.6%	13.6%	21.2%	25.7%	33.4%	46.7%
SSP2 - CEPAM Medium	8.9%	10.6%	13.7%	21.2%	25.8%	33.4%	46.8%
SSP2 - CEPAM Double Migration	8.9%	10.6%	13.7%	21.2%	25.8%	33.5%	46.8%
SSP3 - Stalled Development	8.9%	9.2%	9.2%	9.2%	9.2%	9.3%	9.3%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	7.0	7.8	9.7	12.5	13.4	14.4	15.3
SSP2 - CEPAM Zero Migration	7.0	7.6	8.6	10.3	11.0	11.9	13.1
SSP2 - CEPAM Medium	7.0	7.6	8.6	10.3	11.0	11.9	13.1
SSP2 - CEPAM Double Migration	7.0	7.6	8.6	10.3	11.0	11.9	13.1
SSP3 - Stalled Development	7.0	7.3	7.7	8.0	8.1	8.1	8.1

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	2.68	2.17	1.70	1.34	1.27	1.22	1.15
SSP2 - CEPAM Zero Migration	2.92	2.62	2.27	1.85	1.75	1.66	1.56
SSP2 - CEPAM Medium	2.92	2.62	2.27	1.85	1.75	1.66	1.56
SSP2 - CEPAM Double Migration	2.92	2.62	2.27	1.85	1.75	1.66	1.56
SSP3 - Stalled Development	3.15	3.06	2.90	2.48	2.38	2.31	2.23
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	57.4	59.1	62.4	68.3	71.1	75.2	80.7
SSP2 - CEPAM Zero Migration	56.8	57.7	59.6	63.3	65.1	67.9	71.6
SSP2 - CEPAM Medium	56.8	57.7	59.6	63.3	65.1	67.9	71.6
SSP2 - CEPAM Double Migration	56.8	57.7	59.6	63.3	65.1	67.9	71.6
SSP3 - Stalled Development	56.2	56.5	56.9	57.6	58.0	58.8	60.1
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-33.5	-35.2	-36.8	-36.9	-35.1	-30.7	-23.1
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-33.5	-35.5	-38.4	-41.2	-40.7	-38.2	-33.0
SSP2 - CEPAM Double Migration	-67.0	-69.7	-73.1	-73.9	-70.9	-63.5	-51.0
SSP3 - Stalled Development	-22.3	-12.0	0.0	0.0	0.0	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	21.3	22.2	24.1	29.4	32.2	35.9	40.3
Proportion age 65+	4.4%	4.6%	4.5%	6.4%	9.3%	12.7%	18.0%
Proportion RLE < 15 years	5.0%	5.2%	5.4%	6.0%	8.4%	11.0%	14.6%

Liberia

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	4.50	5.10	6.27	7.40	8.36	9.10
Proportion age 65+	3.0%	3.2%	3.7%	4.6%	6.0%	7.6%
Proportion below age 20	53.0%	51.6%	46.7%	41.5%	37.0%	32.6%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	4.34	3.78	3.06	2.56	2.22	2.10
Life expectancy at birth (in years)						
Male	62.2	63.1	64.8	66.5	68.3	69.2
Female	64.3	65.2	67.2	69.2	71.1	73.1
Five-year net-migration flow (in thousands)	-7.4	-14.8	-30.3	-45.9	-59.4	-65.0

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	52.3%	45.9%	34.9%	26.1%	19.0%	13.4%
E2 - incomplete primary	7.5%	8.3%	8.9%	8.4%	7.6%	6.6%
E3 - primary	10.1%	11.1%	12.8%	13.5%	13.5%	12.8%
E4 - lower secondary	10.1%	11.4%	13.9%	15.9%	17.1%	17.6%
E5 - upper secondary	17.6%	20.2%	25.5%	31.2%	36.9%	42.6%
E6 - post-secondary	2.4%	3.2%	4.1%	5.0%	5.9%	7.0%
Mean years of schooling (in years)	4.4	5.1	6.2	7.3	8.2	9.1
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.56	0.55	0.52	0.51	0.50	0.49
E2 - incomplete primary	1.07	0.88	0.76	0.70	0.64	0.59
E3 - primary	1.70	1.61	1.42	1.21	1.07	0.97
E4 - lower secondary	1.99	1.70	1.34	1.14	1.02	0.93
E5 - upper secondary	2.43	2.14	1.77	1.55	1.42	1.33
E6 - post-secondary	2.78	1.94	1.55	1.43	1.39	1.37
Mean years of schooling (male minus female)	1.6	1.5	1.3	1.1	0.9	0.8
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	39.5%	31.9%	21.1%	14.6%	8.9%	4.9%
E2 - incomplete primary	10.8%	10.6%	9.5%	7.4%	5.8%	4.3%
E3 - primary	14.1%	14.4%	14.8%	14.1%	12.9%	11.0%
E4 - lower secondary	14.1%	15.1%	17.3%	18.5%	18.5%	17.5%
E5 - upper secondary	19.8%	25.0%	33.3%	40.6%	47.9%	54.9%
E6 - post-secondary	1.7%	3.0%	4.0%	4.8%	6.0%	7.4%
Mean years of schooling (in years)	4.1	5.2	6.7	7.9	8.9	9.9

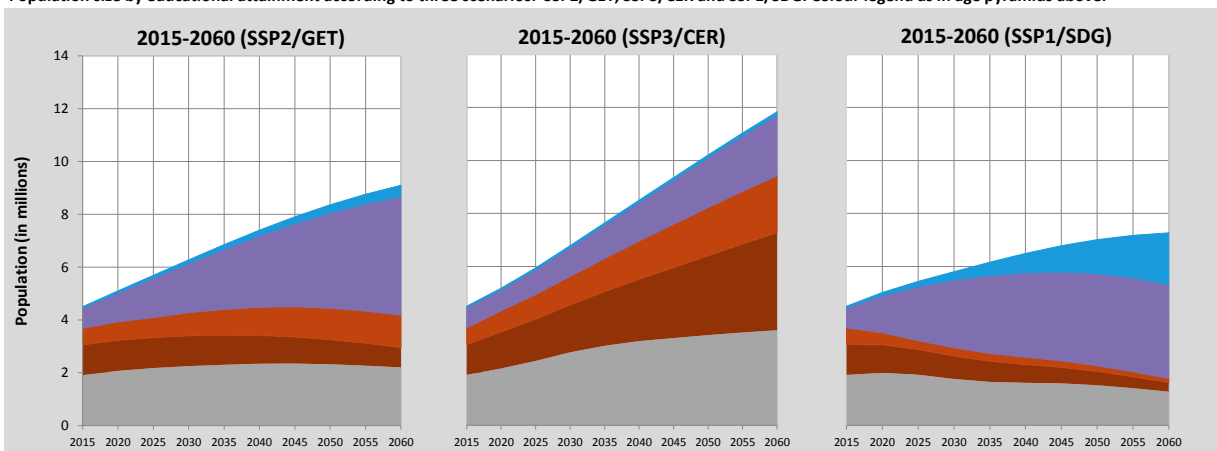
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

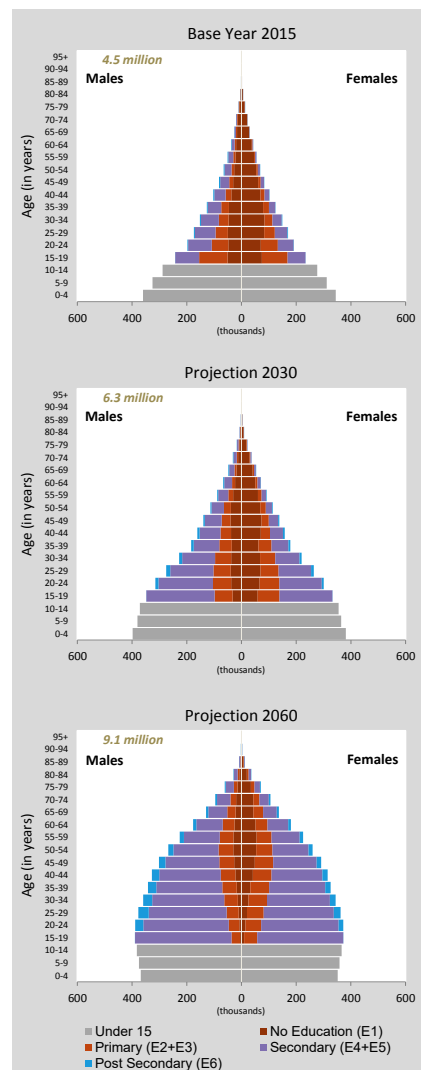
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

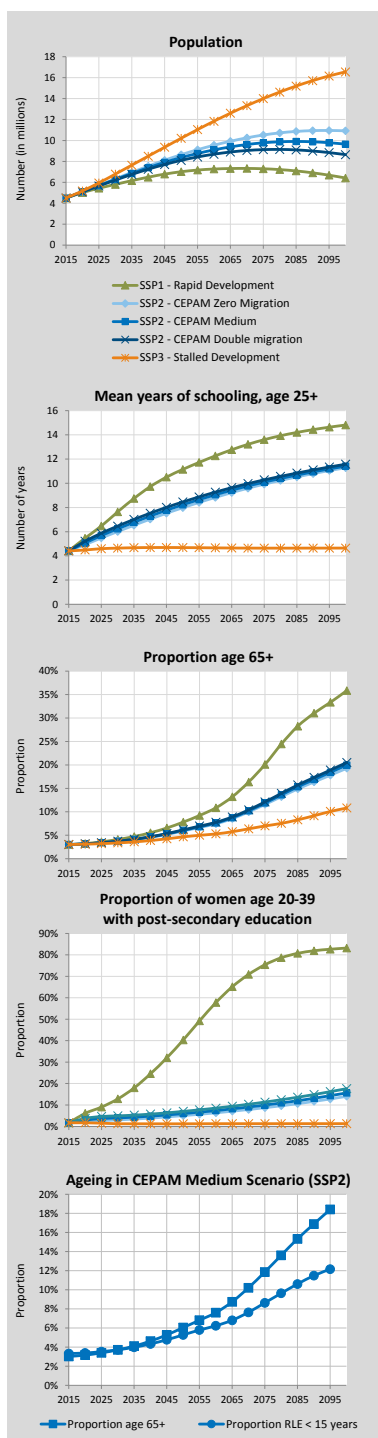
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



Liberia (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	4.50	5.02	5.80	7.01	7.27	7.30	6.42
SSP2 - CEPAM Zero Migration	4.50	5.11	6.33	8.64	9.54	10.52	10.92
SSP2 - CEPAM Medium	4.50	5.10	6.27	8.36	9.10	9.78	9.65
SSP2 - CEPAM Double Migration	4.50	5.09	6.21	8.10	8.69	9.12	8.65
SSP3 - Stalled Development	4.50	5.18	6.79	10.21	11.84	14.00	16.55
Proportion age 65+							
SSP1 - Rapid Development	3.0%	3.2%	4.1%	7.8%	10.9%	20.1%	35.8%
SSP2 - CEPAM Zero Migration	3.0%	3.2%	3.7%	5.9%	7.4%	11.6%	19.3%
SSP2 - CEPAM Medium	3.0%	3.2%	3.7%	6.0%	7.6%	11.9%	20.0%
SSP2 - CEPAM Double Migration	3.0%	3.2%	3.7%	6.2%	7.8%	12.1%	20.5%
SSP3 - Stalled Development	3.0%	3.1%	3.4%	4.7%	5.3%	7.0%	10.8%
Proportion below age 20							
SSP1 - Rapid Development	53.0%	50.7%	42.0%	29.3%	24.5%	18.7%	13.3%
SSP2 - CEPAM Zero Migration	53.0%	51.5%	46.6%	36.8%	32.4%	27.5%	22.3%
SSP2 - CEPAM Medium	53.0%	51.6%	46.7%	37.0%	32.6%	27.6%	22.2%
SSP2 - CEPAM Double Migration	53.0%	51.6%	46.8%	37.2%	32.7%	27.7%	22.2%
SSP3 - Stalled Development	53.0%	52.3%	50.7%	43.6%	39.7%	35.3%	31.2%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	1.7%	6.1%	12.8%	40.3%	57.8%	75.4%	83.2%
SSP2 - CEPAM Zero Migration	1.7%	2.2%	3.1%	5.1%	6.4%	8.8%	14.0%
SSP2 - CEPAM Medium	1.7%	3.0%	4.0%	6.0%	7.4%	10.0%	15.6%
SSP2 - CEPAM Double Migration	1.7%	3.8%	4.9%	7.0%	8.5%	11.4%	17.6%
SSP3 - Stalled Development	1.7%	1.7%	1.3%	1.2%	1.3%	1.3%	1.3%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	4.4	5.5	7.6	11.1	12.3	13.6	14.8
SSP2 - CEPAM Zero Migration	4.4	4.9	6.0	8.0	8.8	9.9	11.3
SSP2 - CEPAM Medium	4.4	5.1	6.2	8.2	9.1	10.1	11.4
SSP2 - CEPAM Double Migration	4.4	5.2	6.5	8.5	9.3	10.3	11.6
SSP3 - Stalled Development	4.4	4.5	4.6	4.7	4.7	4.6	4.6

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	3.86	2.92	2.11	1.58	1.44	1.33	1.22
SSP2 - CEPAM Zero Migration	4.35	3.79	3.06	2.22	2.01	1.83	1.68
SSP2 - CEPAM Medium	4.34	3.78	3.06	2.22	2.02	1.84	1.68
SSP2 - CEPAM Double Migration	4.33	3.76	3.06	2.23	2.02	1.84	1.68
SSP3 - Stalled Development	4.81	4.65	4.10	2.93	2.65	2.46	2.32
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	64.9	66.7	70.1	76.1	79.0	83.7	89.7
SSP2 - CEPAM Zero Migration	64.3	65.2	67.1	71.0	73.0	76.0	79.9
SSP2 - CEPAM Medium	64.3	65.2	67.2	71.1	73.1	76.1	80.0
SSP2 - CEPAM Double Migration	64.3	65.3	67.3	71.3	73.2	76.1	80.0
SSP3 - Stalled Development	63.7	63.9	64.3	65.3	65.8	66.7	68.2
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-7.3	-13.6	-23.3	-39.7	-43.7	-45.1	-38.1
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-7.4	-14.8	-30.3	-59.4	-69.9	-79.6	-78.6
SSP2 - CEPAM Double Migration	-14.7	-29.8	-59.7	-111.4	-127.2	-137.5	-124.2
SSP3 - Stalled Development	-4.9	-5.3	0.0	-0.1	-0.1	-0.1	-0.1

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	18.6	19.3	21.7	27.5	30.6	35.4	41.0
Proportion age 65+	3.0%	3.2%	3.7%	6.0%	7.6%	11.9%	18.4%
Proportion RLE < 15 years	3.4%	3.5%	3.8%	5.3%	6.2%	8.4%	12.0%

Libya

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	6.24	6.67	7.38	7.93	8.35	8.54
Proportion age 65+	4.3%	4.6%	6.5%	11.7%	17.5%	21.3%
Proportion below age 20	37.2%	35.8%	31.7%	27.0%	24.7%	23.0%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	2.29	2.16	1.99	1.89	1.81	1.77
Life expectancy at birth (in years)						
Male	69.5	70.9	73.7	76.5	79.3	80.7
Female	75.2	76.6	79.2	81.9	84.6	87.2
Five-year net-migration flow (in thousands)	-27.3	-29.8	-33.1	-34.7	-35.3	-35.0

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	32.7%	27.9%	20.1%	14.0%	9.3%	5.8%
E2 - incomplete primary	2.9%	2.8%	2.5%	2.1%	1.7%	1.3%
E3 - primary	16.4%	15.7%	14.6%	12.5%	10.1%	7.8%
E4 - lower secondary	13.6%	14.6%	15.2%	14.8%	13.7%	12.3%
E5 - upper secondary	19.1%	21.4%	25.6%	29.1%	31.6%	33.1%
E6 - post-secondary	15.4%	17.6%	22.1%	27.5%	33.5%	39.7%
Mean years of schooling (in years)	7.3	8.0	9.2	10.3	11.2	12.1
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.57	0.56	0.52	0.50	0.46	0.44
E2 - incomplete primary	1.74	1.63	1.45	1.35	1.25	1.16
E3 - primary	1.33	1.29	1.24	1.19	1.14	1.09
E4 - lower secondary	1.36	1.31	1.24	1.22	1.21	1.19
E5 - upper secondary	1.27	1.22	1.16	1.14	1.14	1.15
E6 - post-secondary	1.20	1.14	1.06	1.00	0.95	0.93
Mean years of schooling (male minus female)	0.9	0.8	0.6	0.4	0.3	0.2
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	17.2%	12.3%	4.5%	1.7%	0.6%	0.2%
E2 - incomplete primary	3.0%	2.5%	1.6%	0.8%	0.4%	0.2%
E3 - primary	13.7%	11.2%	9.8%	6.9%	3.7%	1.7%
E4 - lower secondary	18.6%	19.3%	15.4%	11.2%	8.2%	5.2%
E5 - upper secondary	27.6%	31.2%	38.0%	40.6%	40.3%	38.1%
E6 - post-secondary	19.9%	23.6%	30.6%	38.7%	46.9%	54.6%
Mean years of schooling (in years)	8.9	10.0	11.7	12.8	13.6	14.2

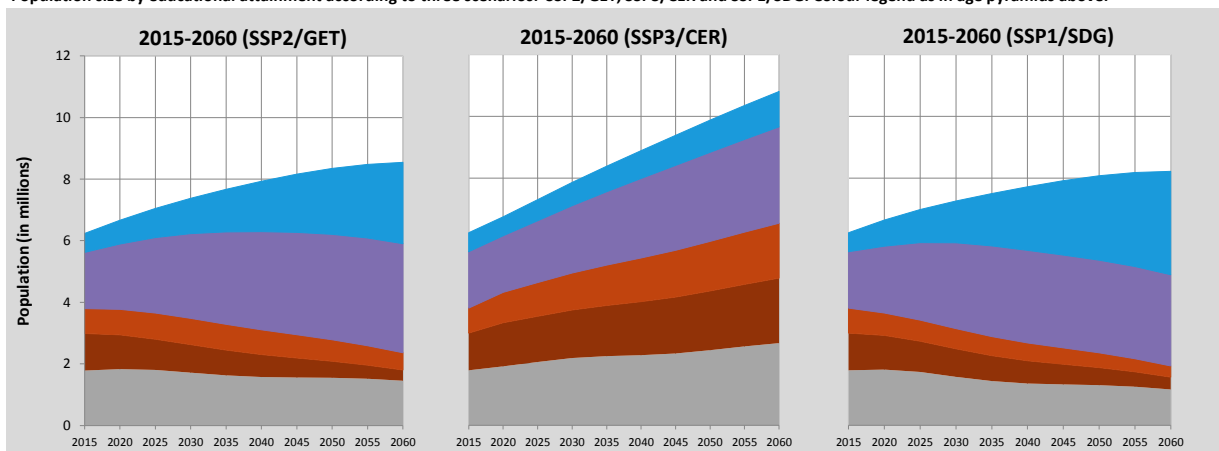
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

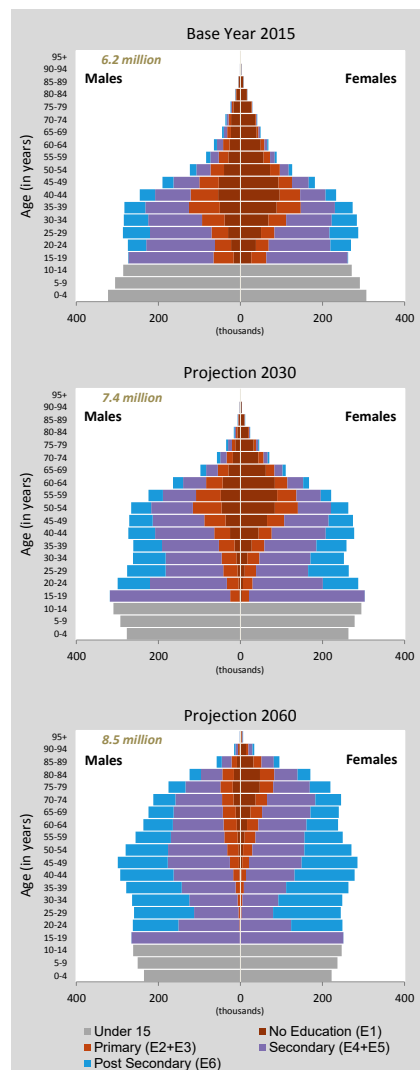
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

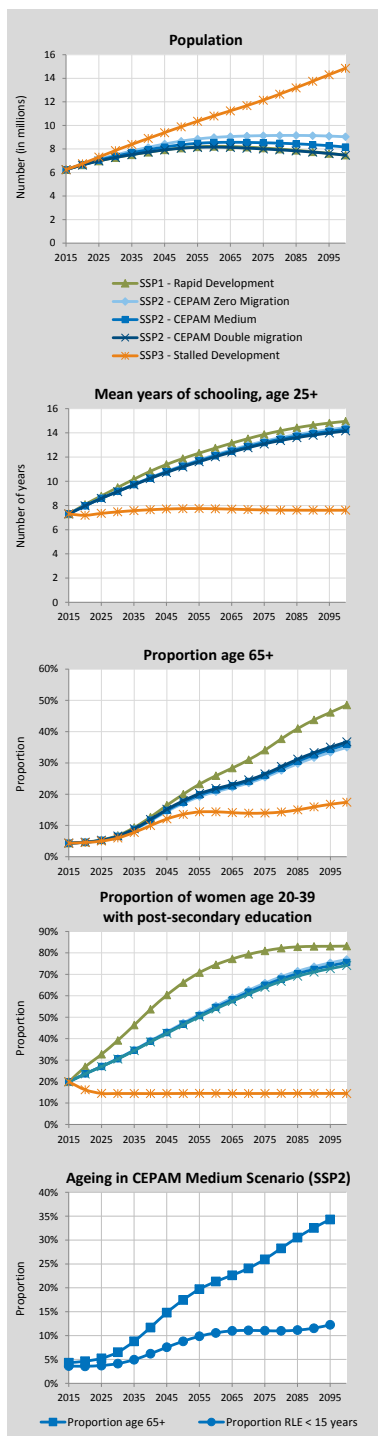
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



Libya (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	6.24	6.64	7.26	8.08	8.22	8.08	7.48
SSP2 - CEPAM Zero Migration	6.24	6.70	7.49	8.66	8.97	9.13	9.03
SSP2 - CEPAM Medium	6.24	6.67	7.38	8.35	8.54	8.53	8.16
SSP2 - CEPAM Double Migration	6.24	6.64	7.27	8.05	8.15	8.00	7.47
SSP3 - Stalled Development	6.24	6.75	7.86	9.88	10.81	12.15	14.85
Proportion age 65+							
SSP1 - Rapid Development	4.3%	4.7%	6.8%	20.0%	25.9%	34.1%	48.5%
SSP2 - CEPAM Zero Migration	4.3%	4.6%	6.4%	17.0%	20.8%	25.4%	35.0%
SSP2 - CEPAM Medium	4.3%	4.6%	6.5%	17.5%	21.3%	26.0%	36.0%
SSP2 - CEPAM Double Migration	4.3%	4.6%	6.6%	17.9%	21.8%	26.5%	36.7%
SSP3 - Stalled Development	4.3%	4.6%	6.0%	13.6%	14.4%	14.0%	17.4%
Proportion below age 20							
SSP1 - Rapid Development	37.2%	35.5%	30.2%	21.6%	19.4%	15.5%	11.6%
SSP2 - CEPAM Zero Migration	37.2%	35.7%	31.6%	24.9%	23.2%	20.1%	16.6%
SSP2 - CEPAM Medium	37.2%	35.8%	31.7%	24.7%	23.0%	19.8%	16.2%
SSP2 - CEPAM Double Migration	37.2%	35.8%	31.7%	24.6%	22.9%	19.6%	15.9%
SSP3 - Stalled Development	37.2%	36.5%	35.6%	32.2%	32.1%	31.0%	28.9%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	19.9%	26.9%	39.2%	66.1%	74.5%	81.0%	83.2%
SSP2 - CEPAM Zero Migration	19.9%	23.6%	30.8%	47.3%	55.3%	65.9%	76.9%
SSP2 - CEPAM Medium	19.9%	23.6%	30.6%	46.9%	54.6%	64.9%	75.6%
SSP2 - CEPAM Double Migration	19.9%	23.6%	30.5%	46.4%	53.9%	63.9%	74.1%
SSP3 - Stalled Development	19.9%	16.2%	14.4%	14.5%	14.5%	14.4%	14.5%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	7.3	8.1	9.5	11.9	12.7	13.9	15.0
SSP2 - CEPAM Zero Migration	7.3	8.0	9.2	11.3	12.2	13.3	14.4
SSP2 - CEPAM Medium	7.3	8.0	9.2	11.2	12.1	13.2	14.3
SSP2 - CEPAM Double Migration	7.3	8.0	9.1	11.2	12.0	13.1	14.2
SSP3 - Stalled Development	7.3	7.2	7.5	7.7	7.7	7.6	7.6

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	2.19	1.97	1.71	1.55	1.50	1.43	1.37
SSP2 - CEPAM Zero Migration	2.29	2.16	1.99	1.81	1.74	1.64	1.56
SSP2 - CEPAM Medium	2.29	2.16	1.99	1.81	1.74	1.65	1.56
SSP2 - CEPAM Double Migration	2.29	2.16	1.99	1.81	1.74	1.65	1.57
SSP3 - Stalled Development	2.59	2.80	2.82	2.61	2.53	2.45	2.38
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	75.8	77.6	81.3	88.6	92.2	97.8	105.2
SSP2 - CEPAM Zero Migration	75.2	76.6	79.2	84.6	87.2	91.2	96.5
SSP2 - CEPAM Medium	75.2	76.6	79.2	84.6	87.2	91.2	96.5
SSP2 - CEPAM Double Migration	75.2	76.6	79.2	84.6	87.2	91.2	96.5
SSP3 - Stalled Development	74.7	75.3	76.8	79.8	81.1	83.1	86.1
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-27.3	-29.9	-33.8	-38.7	-39.5	-38.5	-38.3
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-27.3	-29.8	-33.1	-35.3	-34.2	-31.5	-28.8
SSP2 - CEPAM Double Migration	-54.5	-59.0	-64.2	-64.6	-60.2	-51.5	-42.6
SSP3 - Stalled Development	-18.2	-10.2	0.0	0.0	0.0	0.0	-0.1

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	27.2	28.9	32.2	38.8	42.1	46.2	51.6
Proportion age 65+	4.3%	4.6%	6.5%	17.5%	21.3%	26.0%	34.3%
Proportion RLE < 15 years	3.5%	3.4%	3.9%	8.1%	10.4%	11.4%	12.0%

Macao

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	0.60	0.64	0.72	0.78	0.83	0.87
Proportion age 65+	8.6%	12.0%	20.5%	26.0%	30.4%	35.9%
Proportion below age 20	17.6%	17.4%	19.0%	15.9%	14.7%	15.4%
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	1.19	1.20	1.25	1.31	1.38	1.41
Life expectancy at birth (in years)						
Male	81.1	82.0	84.0	85.9	87.8	88.8
Female	87.0	87.8	89.6	91.4	93.2	95.0
Five-year net-migration flow (in thousands)	22.5	23.4	25.1	27.4	29.0	29.4

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	2.3%	2.8%	3.3%	3.5%	3.5%	3.4%
E2 - incomplete primary	6.6%	5.8%	4.7%	3.7%	2.8%	2.2%
E3 - primary	16.4%	14.7%	12.4%	10.0%	7.7%	6.0%
E4 - lower secondary	22.1%	20.9%	19.3%	17.2%	14.6%	12.2%
E5 - upper secondary	27.4%	28.0%	29.1%	29.9%	30.1%	30.1%
E6 - post-secondary	25.1%	27.8%	31.3%	35.6%	41.2%	46.1%
Mean years of schooling (in years)	10.6	10.9	11.2	11.7	12.2	12.6
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	2.59	1.49	1.00	0.85	0.78	0.73
E2 - incomplete primary	1.25	1.22	1.13	1.00	0.90	0.88
E3 - primary	0.99	1.01	1.02	0.97	0.92	0.91
E4 - lower secondary	0.93	0.96	0.98	0.98	0.96	0.96
E5 - upper secondary	0.99	1.02	1.05	1.08	1.10	1.12
E6 - post-secondary	0.93	0.92	0.94	0.97	0.98	0.98
Mean years of schooling (male minus female)	-0.2	-0.1	-0.1	0.0	0.1	0.1
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	0.3%	2.0%	2.7%	2.3%	1.5%	1.1%
E2 - incomplete primary	0.7%	1.4%	1.6%	1.3%	0.9%	0.7%
E3 - primary	5.5%	4.9%	3.9%	3.1%	2.4%	2.1%
E4 - lower secondary	16.6%	13.7%	9.8%	6.5%	4.9%	4.3%
E5 - upper secondary	37.8%	35.2%	34.6%	33.8%	30.4%	28.8%
E6 - post-secondary	39.1%	42.7%	47.3%	53.0%	59.9%	62.9%
Mean years of schooling (in years)	12.6	12.7	12.9	13.4	13.9	14.1

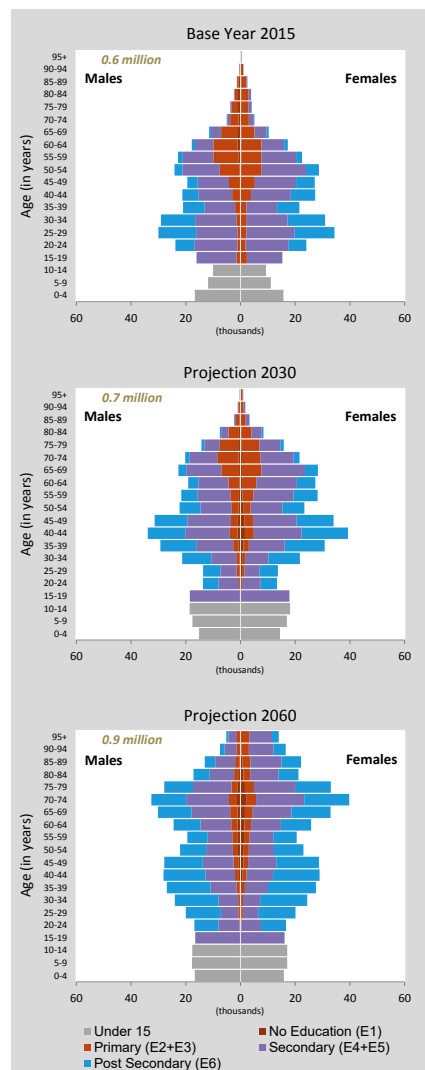
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

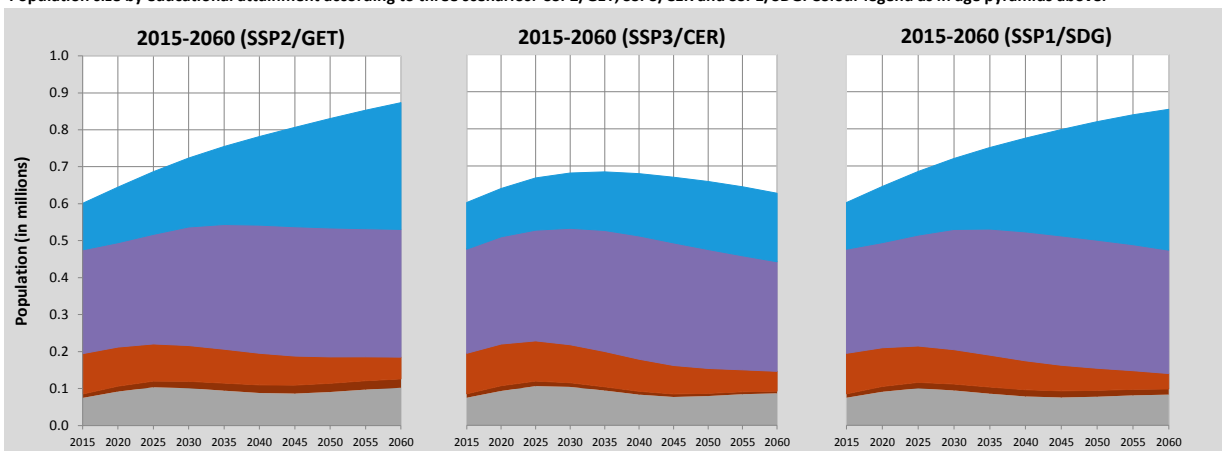
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

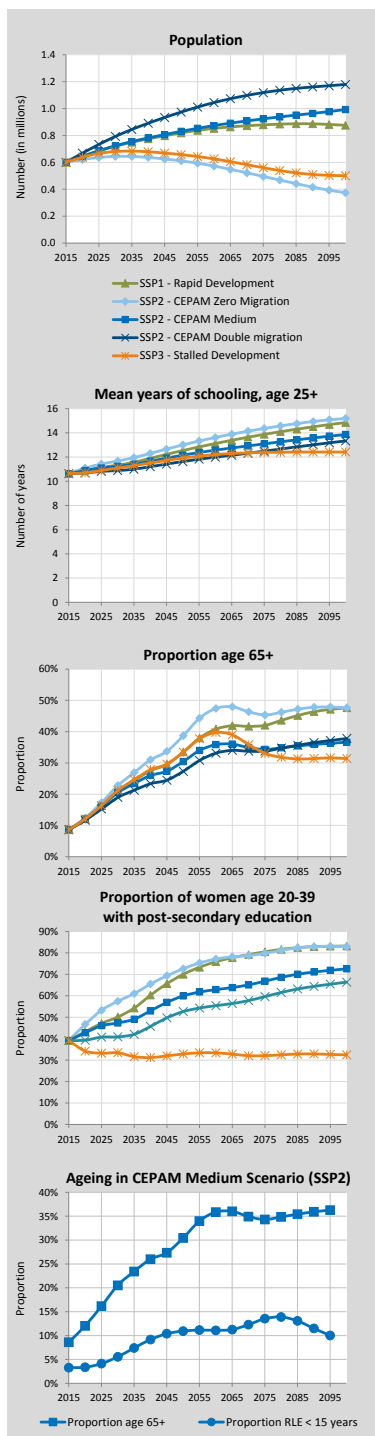
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Macao (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	0.60	0.64	0.72	0.82	0.85	0.88	0.88
SSP2 - CEPAM Zero Migration	0.60	0.62	0.64	0.61	0.57	0.50	0.38
SSP2 - CEPAM Medium	0.60	0.64	0.72	0.83	0.87	0.92	0.99
SSP2 - CEPAM Double Migration	0.60	0.67	0.79	0.97	1.04	1.12	1.18
SSP3 - Stalled Development	0.60	0.64	0.68	0.66	0.63	0.56	0.50
Proportion age 65+							
SSP1 - Rapid Development	8.6%	12.1%	21.1%	33.5%	40.8%	42.0%	47.6%
SSP2 - CEPAM Zero Migration	8.6%	12.4%	22.8%	38.7%	47.4%	45.3%	47.6%
SSP2 - CEPAM Medium	8.6%	12.0%	20.5%	30.4%	35.9%	34.3%	36.6%
SSP2 - CEPAM Double Migration	8.6%	11.7%	18.9%	27.3%	33.1%	33.8%	37.8%
SSP3 - Stalled Development	8.6%	12.1%	21.2%	33.4%	39.7%	33.0%	31.4%
Proportion below age 20							
SSP1 - Rapid Development	17.6%	17.2%	18.1%	12.8%	13.0%	12.3%	11.9%
SSP2 - CEPAM Zero Migration	17.6%	17.2%	18.3%	12.1%	12.9%	12.2%	13.1%
SSP2 - CEPAM Medium	17.6%	17.4%	19.0%	14.7%	15.4%	15.4%	15.8%
SSP2 - CEPAM Double Migration	17.6%	17.5%	19.4%	15.6%	15.9%	15.6%	15.5%
SSP3 - Stalled Development	17.6%	17.6%	20.3%	16.1%	17.9%	18.8%	20.9%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	39.1%	43.2%	50.1%	70.0%	75.9%	80.5%	83.2%
SSP2 - CEPAM Zero Migration	39.1%	46.7%	57.5%	72.6%	77.2%	79.8%	82.9%
SSP2 - CEPAM Medium	39.1%	42.7%	47.3%	59.9%	62.9%	66.8%	72.6%
SSP2 - CEPAM Double Migration	39.1%	39.3%	40.9%	52.7%	55.4%	59.6%	66.4%
SSP3 - Stalled Development	39.1%	34.2%	33.4%	32.8%	33.4%	32.1%	32.4%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	10.6	10.9	11.3	12.5	13.1	13.9	14.9
SSP2 - CEPAM Zero Migration	10.6	11.1	11.7	13.0	13.6	14.4	15.2
SSP2 - CEPAM Medium	10.6	10.9	11.2	12.2	12.6	13.1	13.9
SSP2 - CEPAM Double Migration	10.6	10.7	10.9	11.6	12.0	12.5	13.3
SSP3 - Stalled Development	10.6	10.7	11.1	11.9	12.2	12.4	12.4

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.15	1.12	1.11	1.21	1.25	1.29	1.33
SSP2 - CEPAM Zero Migration	1.19	1.20	1.26	1.39	1.44	1.48	1.52
SSP2 - CEPAM Medium	1.19	1.20	1.25	1.38	1.43	1.47	1.51
SSP2 - CEPAM Double Migration	1.19	1.21	1.25	1.38	1.42	1.46	1.51
SSP3 - Stalled Development	1.29	1.42	1.60	1.83	1.89	1.95	2.00
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	87.5	88.8	91.6	97.2	100.0	104.2	109.9
SSP2 - CEPAM Zero Migration	87.0	87.9	89.7	93.3	95.2	98.0	101.7
SSP2 - CEPAM Medium	87.0	87.8	89.6	93.2	95.0	97.6	101.2
SSP2 - CEPAM Double Migration	87.0	87.8	89.6	93.1	94.8	97.5	101.0
SSP3 - Stalled Development	86.4	86.8	87.6	89.2	90.0	91.1	92.5
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	22.6	23.2	23.4	23.8	22.6	19.8	14.4
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	22.5	23.4	25.1	29.0	29.5	28.6	24.3
SSP2 - CEPAM Double Migration	45.1	43.6	40.8	38.2	35.4	30.5	22.3
SSP3 - Stalled Development	15.0	8.1	0.0	0.1	0.1	0.1	0.1

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	37.6	39.4	44.6	52.6	51.3	52.6	52.6
Proportion age 65+	8.6%	12.0%	20.5%	30.4%	35.9%	34.3%	36.3%
Proportion RLE < 15 years	3.3%	3.0%	4.1%	11.2%	11.9%	13.5%	10.5%

Macedonia

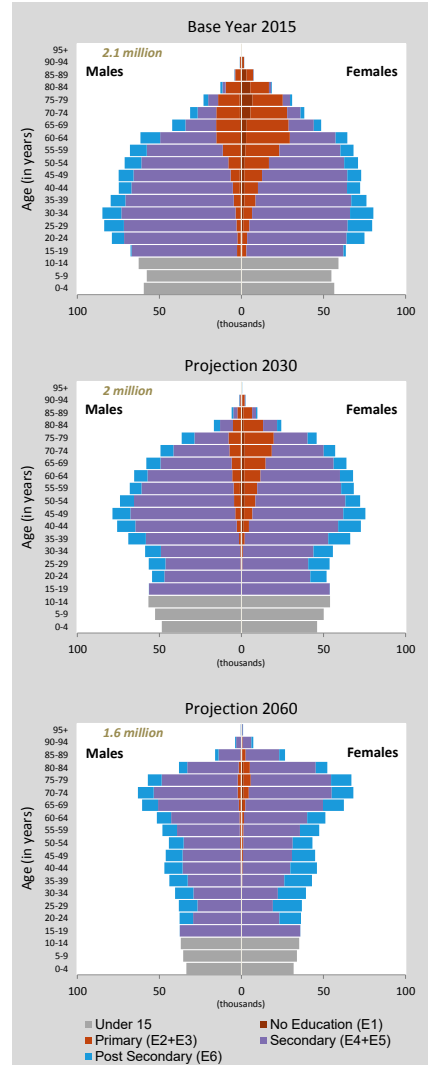
Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	2.08	2.06	1.97	1.85	1.72	1.59
Proportion age 65+	12.5%	14.6%	18.8%	23.0%	28.2%	33.0%
Proportion below age 20	23.2%	22.3%	21.2%	19.1%	17.8%	17.6%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	1.53	1.57	1.58	1.59	1.61	1.61
Life expectancy at birth (in years)						
Male	73.9	75.0	77.1	79.2	81.4	82.4
Female	78.0	79.0	81.2	83.3	85.4	87.5
Five-year net-migration flow (in thousands)	-35.0	-33.3	-29.4	-24.8	-20.4	-18.3

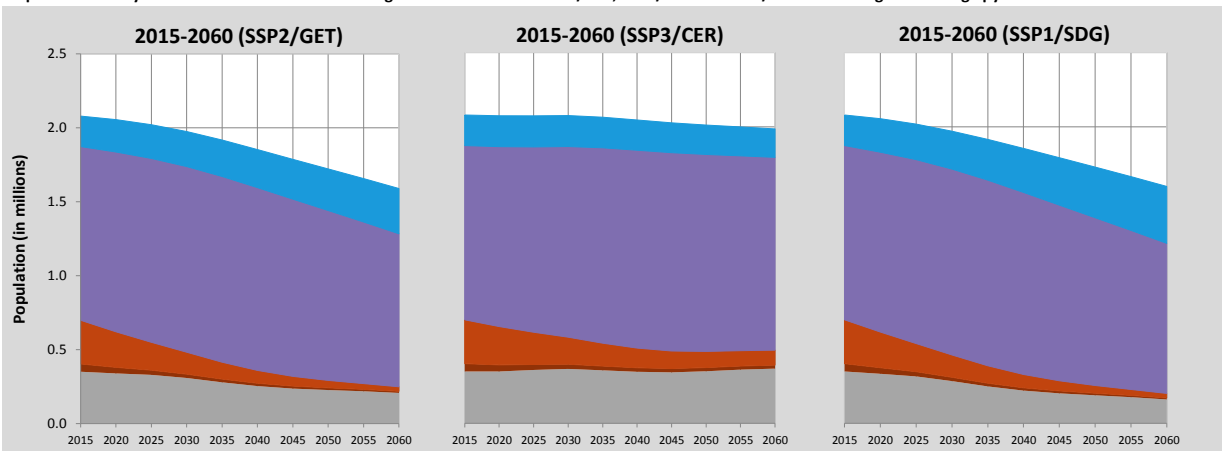
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	3.5%	2.7%	1.8%	1.4%	1.1%	0.9%
E2 - incomplete primary	11.2%	8.7%	5.0%	2.9%	1.8%	1.1%
E3 - primary	8.6%	7.4%	5.2%	3.3%	2.0%	1.3%
E4 - lower secondary	21.2%	21.7%	21.9%	20.7%	18.2%	14.9%
E5 - upper secondary	42.6%	45.8%	50.9%	54.7%	57.4%	58.7%
E6 - post-secondary	12.9%	13.7%	15.2%	16.9%	19.6%	23.1%
Mean years of schooling (in years)	9.5	10.0	10.9	11.5	12.1	12.7
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.26	0.30	0.37	0.42	0.44	0.45
E2 - incomplete primary	0.49	0.44	0.38	0.38	0.42	0.45
E3 - primary	0.80	0.72	0.61	0.56	0.59	0.66
E4 - lower secondary	0.90	0.89	0.87	0.86	0.86	0.87
E5 - upper secondary	1.39	1.34	1.28	1.23	1.20	1.20
E6 - post-secondary	1.16	1.08	0.96	0.86	0.79	0.75
Mean years of schooling (male minus female)	0.8	0.7	0.5	0.3	0.1	0.0
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	1.1%	1.0%	0.5%	0.3%	0.2%	0.2%
E2 - incomplete primary	2.6%	1.7%	0.4%	0.2%	0.1%	0.1%
E3 - primary	2.2%	1.6%	0.6%	0.4%	0.3%	0.3%
E4 - lower secondary	23.0%	19.7%	15.2%	9.8%	5.8%	3.3%
E5 - upper secondary	57.2%	60.1%	64.8%	66.4%	65.2%	62.2%
E6 - post-secondary	14.0%	15.9%	18.5%	22.9%	28.3%	33.9%
Mean years of schooling (in years)	11.2	11.8	13.0	13.6	14.1	14.5

Education scenarios
 SSP2/GET: Global Education Trend Scenario (Medium assumption)
 SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)
 SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

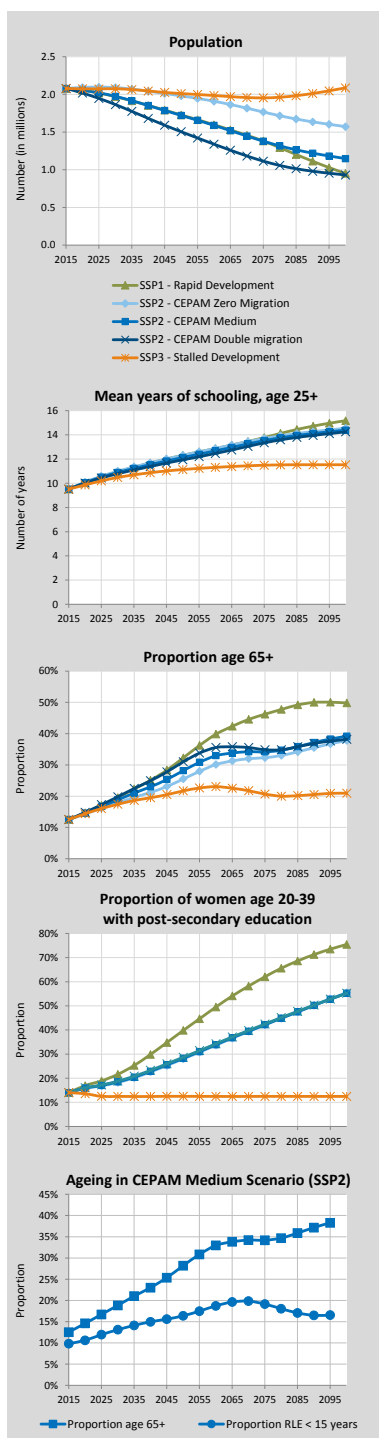
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Macedonia (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)		2015	2020	2030	2050	2060	2075	2100
Population (in millions)								
SSP1 - Rapid Development		2.08	2.05	1.97	1.73	1.60	1.38	0.95
SSP2 - CEPAM Zero Migration		2.08	2.09	2.09	1.98	1.91	1.77	1.57
SSP2 - CEPAM Medium		2.08	2.06	1.97	1.72	1.59	1.38	1.15
SSP2 - CEPAM Double Migration		2.08	2.02	1.87	1.51	1.34	1.11	0.93
SSP3 - Stalled Development		2.08	2.07	2.08	2.01	1.99	1.95	2.09
Proportion age 65+								
SSP1 - Rapid Development		12.5%	14.7%	19.6%	32.3%	39.8%	46.2%	49.8%
SSP2 - CEPAM Zero Migration		12.5%	14.4%	17.9%	25.5%	30.1%	32.3%	37.8%
SSP2 - CEPAM Medium		12.5%	14.6%	18.8%	28.2%	33.0%	34.2%	39.2%
SSP2 - CEPAM Double Migration		12.5%	14.8%	19.8%	31.0%	35.6%	34.8%	38.1%
SSP3 - Stalled Development		12.5%	14.4%	17.4%	21.7%	23.1%	20.7%	21.0%
Proportion below age 20								
SSP1 - Rapid Development		23.2%	22.2%	20.1%	15.0%	13.9%	11.8%	11.7%
SSP2 - CEPAM Zero Migration		23.2%	22.3%	21.4%	18.4%	18.0%	17.1%	16.1%
SSP2 - CEPAM Medium		23.2%	22.3%	21.2%	17.8%	17.6%	16.7%	16.1%
SSP2 - CEPAM Double Migration		23.2%	22.3%	20.9%	17.3%	17.4%	16.8%	16.7%
SSP3 - Stalled Development		23.2%	22.7%	23.2%	23.2%	24.5%	25.4%	26.6%
Proportion of women age 20-39 with post-secondary education								
SSP1 - Rapid Development		14.0%	17.0%	21.6%	39.8%	49.5%	62.1%	75.5%
SSP2 - CEPAM Zero Migration		14.0%	15.8%	18.2%	28.0%	33.7%	42.1%	55.5%
SSP2 - CEPAM Medium		14.0%	15.9%	18.5%	28.3%	33.9%	42.2%	55.2%
SSP2 - CEPAM Double Migration		14.0%	16.0%	18.8%	28.7%	34.3%	42.5%	55.2%
SSP3 - Stalled Development		14.0%	13.6%	12.5%	12.5%	12.4%	12.5%	12.5%
Mean years of schooling, age 25+								
SSP1 - Rapid Development		9.5	10.1	11.0	12.3	12.9	13.8	15.2
SSP2 - CEPAM Zero Migration		9.5	10.1	11.0	12.3	12.9	13.7	14.5
SSP2 - CEPAM Medium		9.5	10.0	10.9	12.1	12.7	13.5	14.4
SSP2 - CEPAM Double Migration		9.5	10.0	10.8	11.9	12.5	13.3	14.3
SSP3 - Stalled Development		9.5	9.9	10.5	11.1	11.3	11.5	11.5
Demographic assumptions underlying SSPs								
		2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate								
SSP1 - Rapid Development		1.47	1.45	1.39	1.38	1.38	1.40	1.42
SSP2 - CEPAM Zero Migration		1.53	1.57	1.58	1.61	1.61	1.63	1.64
SSP2 - CEPAM Medium		1.53	1.57	1.58	1.61	1.61	1.63	1.65
SSP2 - CEPAM Double Migration		1.53	1.57	1.58	1.61	1.62	1.63	1.65
SSP3 - Stalled Development		1.66	1.80	1.96	2.12	2.16	2.24	2.35
Life expectancy at birth for females (in years)								
SSP1 - Rapid Development		78.5	80.1	83.2	89.4	92.5	95.6	96.0
SSP2 - CEPAM Zero Migration		78.0	79.0	81.2	85.4	87.6	90.8	95.0
SSP2 - CEPAM Medium		78.0	79.0	81.2	85.4	87.5	90.7	94.9
SSP2 - CEPAM Double Migration		78.0	79.0	81.2	85.4	87.5	90.7	94.8
SSP3 - Stalled Development		77.5	78.0	79.1	81.3	82.3	83.8	85.9
Migration – net flow over five years (in thousands)								
SSP1 - Rapid Development		-35.0	-33.5	-30.1	-22.5	-19.1	-13.5	-6.2
SSP2 - CEPAM Zero Migration		0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium		-35.0	-33.3	-29.4	-20.4	-16.2	-10.6	-6.6
SSP2 - CEPAM Double Migration		-69.9	-64.9	-53.6	-30.4	-20.8	-9.2	-3.3
SSP3 - Stalled Development		-23.3	-11.2	0.0	0.0	0.0	0.0	0.0
Ageing indicators, CEPAM Medium Scenario (SSP2)								
		2015	2020	2030	2050	2060	2075	2095
Median age		37.4	39.3	43.5	49.8	50.8	52.8	54.5
Proportion age 65+		12.5%	14.6%	18.8%	28.2%	33.0%	34.2%	38.3%
Proportion RLE < 15 years		10.1%	10.6%	13.1%	16.4%	18.5%	19.5%	16.3%

Madagascar

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	24.23	27.48	33.99	40.35	46.14	51.16
Proportion age 65+	2.8%	3.1%	4.0%	5.1%	6.6%	8.9%
Proportion below age 20	52.8%	50.6%	45.4%	40.0%	35.2%	31.1%
Total Fertility Rate	3.89	3.39	2.76	2.35	2.09	2.01
Life expectancy at birth (in years)						
Male	64.9	66.1	68.4	70.8	73.1	74.3
Female	68.1	69.3	71.8	74.2	76.7	79.1
Five-year net-migration flow (in thousands)	-9.9	-11.8	-15.7	-19.6	-23.2	-24.8

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	21.9%	18.8%	13.3%	9.5%	6.7%	4.6%
E2 - incomplete primary	41.2%	40.2%	37.1%	32.8%	27.6%	22.4%
E3 - primary	21.4%	23.6%	27.7%	30.3%	31.8%	31.7%
E4 - lower secondary	9.3%	10.3%	12.4%	14.6%	16.9%	19.4%
E5 - upper secondary	3.8%	4.5%	6.5%	9.2%	12.7%	16.7%
E6 - post-secondary	2.5%	2.6%	3.0%	3.5%	4.2%	5.2%
Mean years of schooling (in years)	4.3	4.6	5.2	5.8	6.5	7.2
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.75	0.77	0.84	0.90	0.98	1.05
E2 - incomplete primary	1.04	1.05	1.07	1.09	1.13	1.16
E3 - primary	1.02	0.97	0.92	0.92	0.93	0.95
E4 - lower secondary	1.28	1.23	1.16	1.08	1.04	1.02
E5 - upper secondary	1.25	1.12	0.96	0.89	0.85	0.84
E6 - post-secondary	1.49	1.41	1.28	1.21	1.16	1.13
Mean years of schooling (male minus female)	0.3	0.2	0.1	0.0	-0.1	-0.1
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	17.1%	13.0%	7.1%	4.2%	2.4%	1.3%
E2 - incomplete primary	41.4%	38.0%	31.6%	24.6%	17.3%	11.1%
E3 - primary	24.7%	28.0%	32.7%	33.8%	33.0%	29.7%
E4 - lower secondary	9.7%	11.8%	15.2%	18.4%	21.7%	24.5%
E5 - upper secondary	4.7%	6.6%	10.3%	14.9%	20.5%	26.9%
E6 - post-secondary	2.4%	2.6%	3.2%	4.0%	5.2%	6.6%
Mean years of schooling (in years)	4.4	5.0	6.1	7.0	8.0	8.9

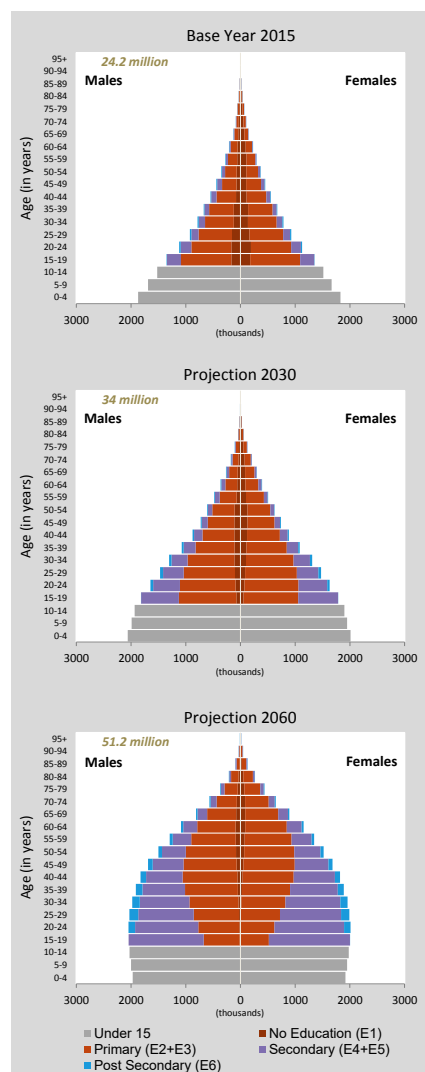
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

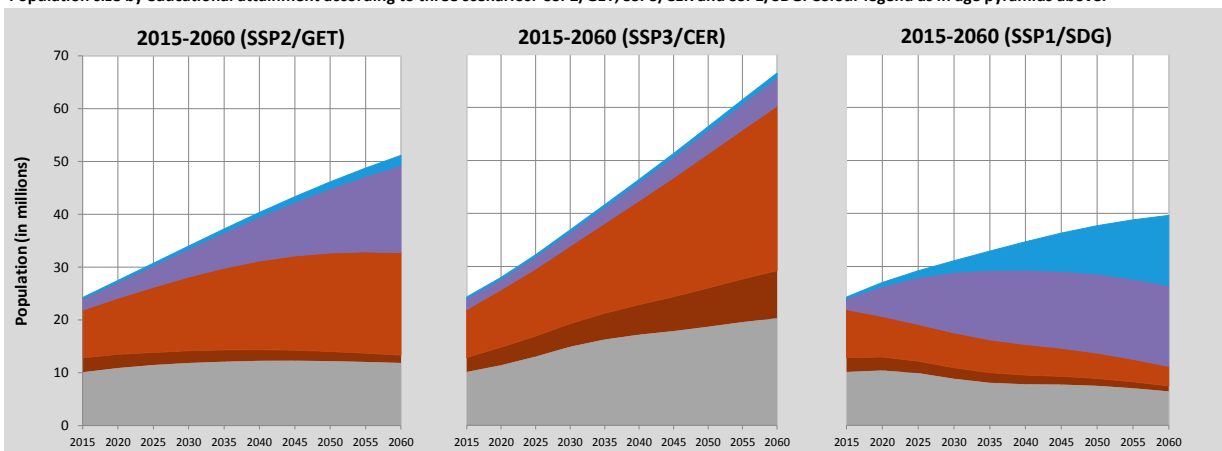
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

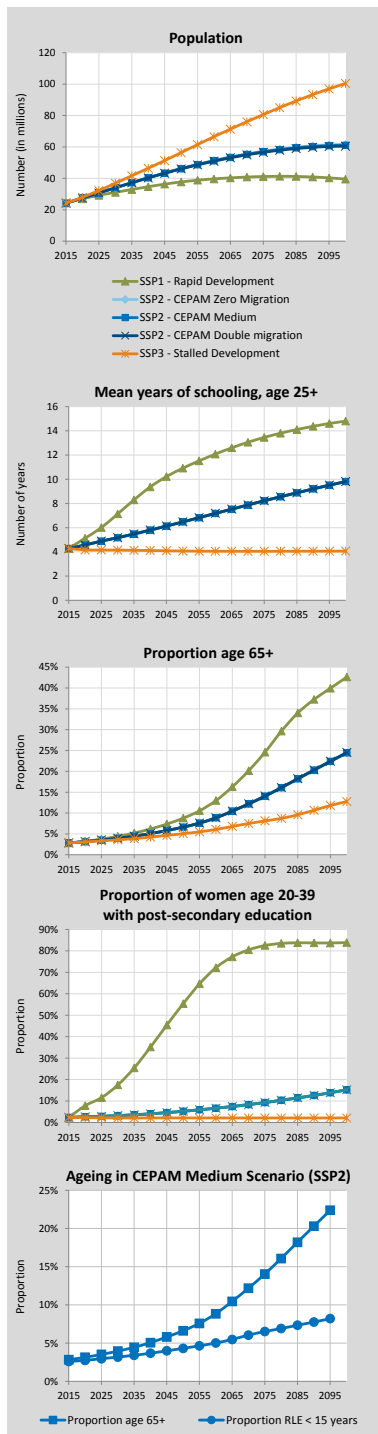
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Madagascar (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)

	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	24.23	26.98	31.07	37.69	39.64	41.15	39.54
SSP2 - CEPAM Zero Migration	24.23	27.49	34.04	46.29	51.38	57.26	61.68
SSP2 - CEPAM Medium	24.23	27.48	33.99	46.14	51.16	56.91	61.10
SSP2 - CEPAM Double Migration	24.23	27.47	33.95	45.98	50.93	56.56	60.52
SSP3 - Stalled Development	24.23	27.95	36.91	56.39	66.51	80.62	100.42
Proportion age 65+							
SSP1 - Rapid Development	2.8%	3.2%	4.4%	8.8%	13.0%	24.6%	42.6%
SSP2 - CEPAM Zero Migration	2.8%	3.1%	3.9%	6.6%	8.8%	14.0%	24.4%
SSP2 - CEPAM Medium	2.8%	3.1%	4.0%	6.6%	8.9%	14.0%	24.4%
SSP2 - CEPAM Double Migration	2.8%	3.1%	4.0%	6.6%	8.9%	14.1%	24.5%
SSP3 - Stalled Development	2.8%	3.1%	3.6%	5.0%	6.1%	8.1%	12.8%
Proportion below age 20							
SSP1 - Rapid Development	52.8%	49.6%	40.0%	26.7%	22.6%	17.4%	12.0%
SSP2 - CEPAM Zero Migration	52.8%	50.5%	45.4%	35.2%	31.1%	26.3%	20.7%
SSP2 - CEPAM Medium	52.8%	50.6%	45.4%	35.2%	31.1%	26.3%	20.7%
SSP2 - CEPAM Double Migration	52.8%	50.6%	45.5%	35.3%	31.1%	26.3%	20.6%
SSP3 - Stalled Development	52.8%	51.4%	50.0%	43.0%	39.6%	35.0%	30.3%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	2.4%	7.8%	17.5%	55.4%	72.2%	82.5%	83.9%
SSP2 - CEPAM Zero Migration	2.4%	2.6%	3.2%	5.2%	6.6%	9.3%	15.2%
SSP2 - CEPAM Medium	2.4%	2.6%	3.2%	5.2%	6.6%	9.3%	15.2%
SSP2 - CEPAM Double Migration	2.4%	2.7%	3.2%	5.2%	6.7%	9.3%	15.2%
SSP3 - Stalled Development	2.4%	2.2%	2.1%	2.1%	2.1%	2.1%	2.1%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	4.3	5.1	7.1	10.9	12.1	13.5	14.8
SSP2 - CEPAM Zero Migration	4.3	4.6	5.2	6.5	7.2	8.2	9.8
SSP2 - CEPAM Medium	4.3	4.6	5.2	6.5	7.2	8.2	9.8
SSP2 - CEPAM Double Migration	4.3	4.6	5.2	6.5	7.2	8.2	9.8
SSP3 - Stalled Development	4.3	4.2	4.1	4.1	4.1	4.0	4.1

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	3.41	2.52	1.77	1.48	1.43	1.34	1.21
SSP2 - CEPAM Zero Migration	3.89	3.39	2.76	2.09	1.94	1.79	1.65
SSP2 - CEPAM Medium	3.89	3.39	2.76	2.09	1.94	1.79	1.65
SSP2 - CEPAM Double Migration	3.89	3.39	2.76	2.09	1.94	1.79	1.65
SSP3 - Stalled Development	4.36	4.28	3.84	2.86	2.58	2.36	2.22
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	68.7	70.6	74.4	81.2	84.8	90.4	97.7
SSP2 - CEPAM Zero Migration	68.1	69.3	71.8	76.7	79.1	82.8	87.7
SSP2 - CEPAM Medium	68.1	69.3	71.8	76.7	79.1	82.8	87.7
SSP2 - CEPAM Double Migration	68.1	69.3	71.8	76.7	79.1	82.8	87.7
SSP3 - Stalled Development	67.6	68.1	69.4	71.9	73.1	74.9	77.5
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-9.9	-11.5	-13.9	-17.9	-19.1	-20.3	-20.1
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-9.9	-11.8	-15.7	-23.2	-26.4	-30.1	-32.7
SSP2 - CEPAM Double Migration	-19.8	-23.6	-31.5	-46.5	-52.8	-60.1	-65.1
SSP3 - Stalled Development	-6.6	-4.0	0.0	0.0	0.0	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	18.7	19.7	22.4	28.7	32.0	37.0	43.1
Proportion age 65+	2.8%	3.1%	4.0%	6.6%	8.9%	14.0%	22.4%
Proportion RLE < 15 years	2.6%	2.7%	3.2%	4.2%	4.9%	6.3%	8.0%

Malawi

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	17.57	20.45	27.10	34.49	42.36	49.96
Proportion age 65+	3.0%	2.9%	2.9%	3.5%	4.6%	6.1%
Proportion below age 20	55.9%	54.7%	51.9%	49.1%	45.2%	41.3%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	4.68	4.48	3.91	3.40	2.93	2.71
Life expectancy at birth (in years)						
Male	61.1	62.0	63.7	65.4	67.1	68.0
Female	66.3	67.1	68.6	70.1	71.6	73.1
Five-year net-migration flow (in thousands)	-35.5	-53.0	-96.8	-148.6	-205.8	-234.7

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	29.2%	24.8%	18.2%	13.5%	9.6%	6.5%
E2 - incomplete primary	23.5%	22.7%	19.4%	15.4%	11.7%	8.5%
E3 - primary	13.8%	14.6%	15.4%	15.4%	14.6%	13.2%
E4 - lower secondary	21.4%	23.0%	26.3%	28.8%	30.2%	30.3%
E5 - upper secondary	10.4%	12.9%	17.9%	23.4%	29.7%	36.3%
E6 - post-secondary	1.6%	2.0%	2.7%	3.5%	4.3%	5.3%
Mean years of schooling (in years)	5.5	6.1	7.1	8.0	8.8	9.6
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.49	0.50	0.54	0.57	0.61	0.64
E2 - incomplete primary	0.93	0.86	0.80	0.79	0.78	0.77
E3 - primary	1.16	1.12	1.06	0.98	0.94	0.92
E4 - lower secondary	1.62	1.44	1.21	1.08	0.99	0.94
E5 - upper secondary	2.25	1.93	1.57	1.38	1.26	1.18
E6 - post-secondary	2.11	1.79	1.62	1.56	1.51	1.46
Mean years of schooling (male minus female)	1.1	1.0	0.8	0.6	0.5	0.3
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	18.2%	14.7%	10.5%	7.5%	4.4%	2.4%
E2 - incomplete primary	22.5%	20.3%	14.8%	9.6%	5.9%	3.5%
E3 - primary	15.8%	16.2%	16.2%	15.0%	13.0%	10.4%
E4 - lower secondary	26.2%	27.6%	30.4%	31.9%	31.4%	29.4%
E5 - upper secondary	15.6%	18.9%	25.1%	32.3%	40.5%	48.3%
E6 - post-secondary	1.7%	2.3%	3.0%	3.8%	4.8%	6.0%
Mean years of schooling (in years)	6.0	6.7	7.9	8.9	9.9	10.6

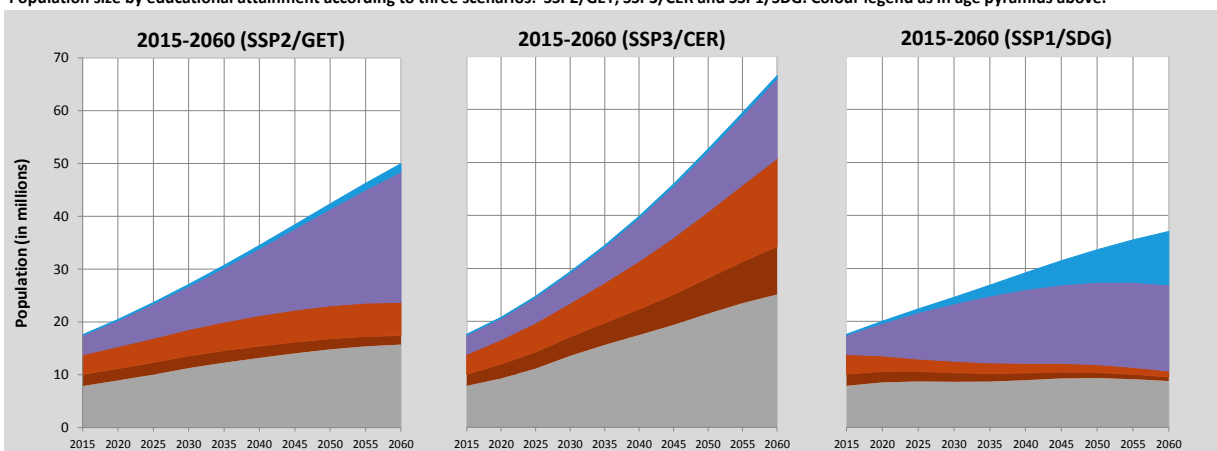
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

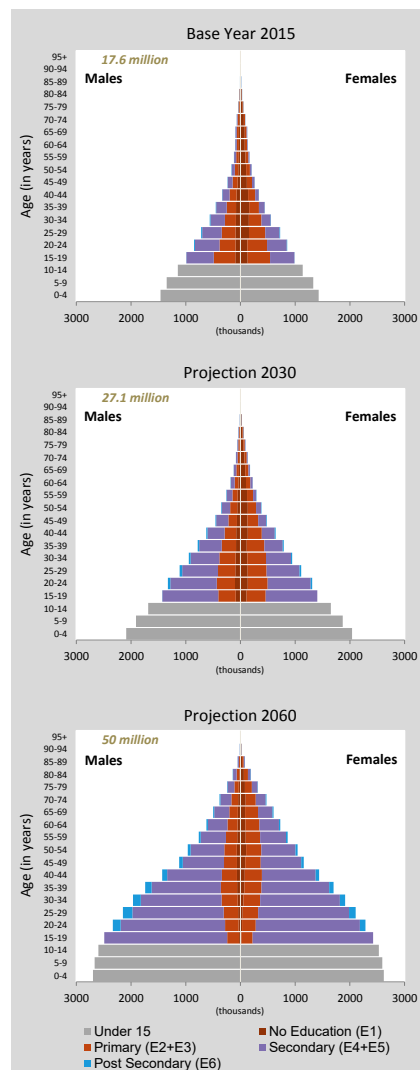
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

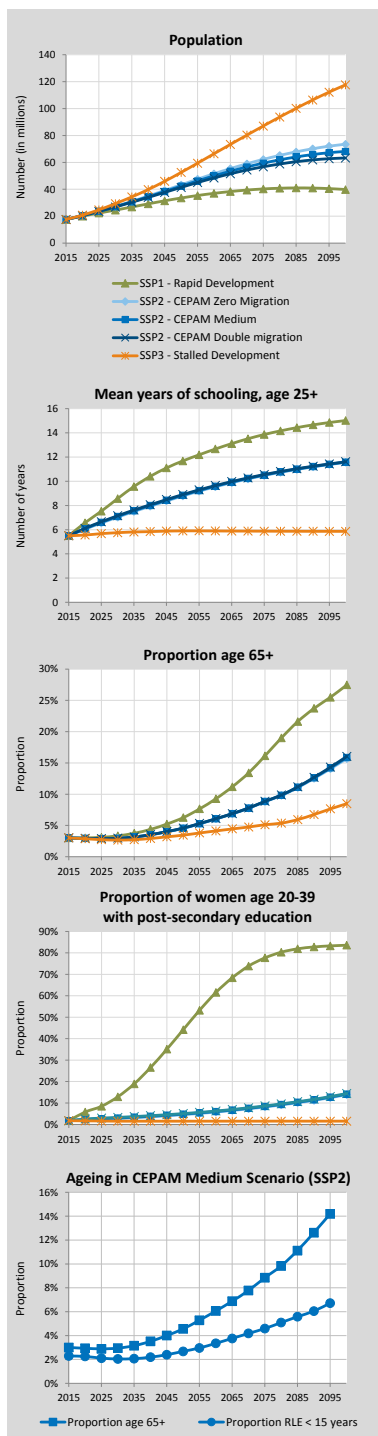
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



Malawi (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	17.57	20.05	24.55	33.53	36.99	40.27	39.85
SSP2 - CEPAM Zero Migration	17.57	20.50	27.31	43.32	51.55	62.23	73.53
SSP2 - CEPAM Medium	17.57	20.45	27.10	42.36	49.96	59.41	68.16
SSP2 - CEPAM Double Migration	17.57	20.41	26.89	41.42	48.43	56.74	63.27
SSP3 - Stalled Development	17.57	20.79	29.37	52.54	66.40	87.06	117.63
Proportion age 65+							
SSP1 - Rapid Development	3.0%	3.0%	3.3%	6.2%	9.3%	16.1%	27.5%
SSP2 - CEPAM Zero Migration	3.0%	2.9%	2.9%	4.5%	6.0%	8.8%	15.7%
SSP2 - CEPAM Medium	3.0%	2.9%	2.9%	4.6%	6.1%	8.8%	15.9%
SSP2 - CEPAM Double Migration	3.0%	2.9%	3.0%	4.6%	6.1%	8.9%	16.0%
SSP3 - Stalled Development	3.0%	2.9%	2.7%	3.4%	4.1%	5.1%	8.5%
Proportion below age 20							
SSP1 - Rapid Development	55.9%	53.7%	46.6%	36.6%	32.1%	25.2%	17.2%
SSP2 - CEPAM Zero Migration	55.9%	54.6%	51.8%	45.0%	41.0%	34.6%	26.3%
SSP2 - CEPAM Medium	55.9%	54.7%	51.9%	45.2%	41.3%	34.8%	26.4%
SSP2 - CEPAM Double Migration	55.9%	54.7%	52.1%	45.4%	41.5%	35.0%	26.6%
SSP3 - Stalled Development	55.9%	55.4%	55.6%	51.7%	48.5%	42.4%	35.3%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	1.7%	5.8%	12.9%	44.2%	61.6%	77.7%	83.6%
SSP2 - CEPAM Zero Migration	1.7%	2.0%	2.7%	4.5%	5.8%	8.1%	13.9%
SSP2 - CEPAM Medium	1.7%	2.3%	3.0%	4.8%	6.0%	8.4%	14.1%
SSP2 - CEPAM Double Migration	1.7%	2.5%	3.3%	5.1%	6.3%	8.6%	14.4%
SSP3 - Stalled Development	1.7%	1.7%	1.5%	1.5%	1.5%	1.5%	1.5%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	5.5	6.6	8.6	11.7	12.7	13.9	15.0
SSP2 - CEPAM Zero Migration	5.5	6.0	7.0	8.8	9.5	10.5	11.6
SSP2 - CEPAM Medium	5.5	6.1	7.1	8.8	9.6	10.5	11.6
SSP2 - CEPAM Double Migration	5.5	6.1	7.1	8.9	9.6	10.6	11.6
SSP3 - Stalled Development	5.5	5.6	5.8	5.9	5.9	5.9	5.9

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	4.13	3.43	2.69	2.15	1.86	1.51	1.30
SSP2 - CEPAM Zero Migration	4.69	4.49	3.91	2.93	2.51	2.07	1.78
SSP2 - CEPAM Medium	4.68	4.48	3.91	2.93	2.51	2.07	1.78
SSP2 - CEPAM Double Migration	4.68	4.48	3.91	2.93	2.51	2.07	1.78
SSP3 - Stalled Development	5.15	5.40	5.11	3.80	3.25	2.75	2.45
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	66.9	68.5	71.5	76.7	79.2	82.9	87.9
SSP2 - CEPAM Zero Migration	66.3	67.1	68.6	71.6	73.1	75.4	78.4
SSP2 - CEPAM Medium	66.3	67.1	68.6	71.6	73.1	75.4	78.4
SSP2 - CEPAM Double Migration	66.3	67.1	68.6	71.6	73.1	75.4	78.4
SSP3 - Stalled Development	65.7	65.7	65.8	65.9	66.0	66.2	66.7
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-35.5	-50.2	-79.1	-142.7	-169.8	-198.1	-205.9
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-35.5	-53.0	-96.8	-205.8	-262.8	-335.1	-397.0
SSP2 - CEPAM Double Migration	-71.0	-106.0	-192.2	-400.7	-505.8	-633.0	-728.4
SSP3 - Stalled Development	-23.7	-18.3	-0.1	-0.3	-0.4	-0.5	-0.7

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	17.4	17.9	19.1	22.5	24.7	28.8	35.0
Proportion age 65+	3.0%	2.9%	2.9%	4.6%	6.1%	8.8%	14.2%
Proportion RLE < 15 years	2.3%	2.4%	2.3%	2.8%	3.5%	4.9%	7.1%

Malaysia

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	30.72	32.99	37.45	40.96	43.82	46.24
Proportion age 65+	5.9%	7.0%	9.5%	12.2%	16.1%	21.9%
Proportion below age 20	34.4%	31.8%	30.0%	27.2%	23.8%	22.2%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	2.08	2.07	1.98	1.89	1.81	1.76
Life expectancy at birth (in years)						
Male	73.4	74.5	76.6	78.8	81.0	82.1
Female	77.9	79.0	81.1	83.3	85.4	87.6
Five-year net-migration flow (in thousands)	268.2	281.7	303.1	323.0	338.9	343.8

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	7.2%	5.7%	3.5%	2.3%	1.6%	1.0%
E2 - incomplete primary	6.2%	4.9%	3.1%	2.0%	1.3%	0.8%
E3 - primary	10.9%	9.4%	6.4%	4.3%	2.8%	1.8%
E4 - lower secondary	20.3%	19.3%	17.3%	14.7%	11.8%	9.1%
E5 - upper secondary	38.5%	41.4%	45.7%	47.7%	47.8%	46.5%
E6 - post-secondary	16.8%	19.3%	24.0%	28.9%	34.8%	40.8%
Mean years of schooling (in years)	10.6	11.2	12.1	12.8	13.4	13.9
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.54	0.57	0.64	0.72	0.79	0.83
E2 - incomplete primary	0.80	0.78	0.78	0.83	0.90	0.96
E3 - primary	1.00	0.97	0.92	0.91	0.97	1.04
E4 - lower secondary	1.22	1.21	1.23	1.24	1.26	1.30
E5 - upper secondary	1.01	1.01	0.99	1.00	1.01	1.03
E6 - post-secondary	1.07	1.04	0.99	0.95	0.93	0.92
Mean years of schooling (male minus female)	0.3	0.2	0.1	0.0	-0.1	-0.1
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	2.1%	1.7%	0.5%	0.3%	0.2%	0.1%
E2 - incomplete primary	2.3%	1.6%	0.4%	0.2%	0.1%	0.1%
E3 - primary	3.3%	2.8%	1.3%	0.7%	0.4%	0.3%
E4 - lower secondary	17.5%	15.2%	10.6%	6.1%	3.5%	2.0%
E5 - upper secondary	49.9%	52.4%	55.2%	53.2%	48.4%	42.7%
E6 - post-secondary	24.9%	26.3%	32.0%	39.4%	47.4%	54.8%
Mean years of schooling (in years)	12.8	13.1	13.8	14.4	14.9	15.2

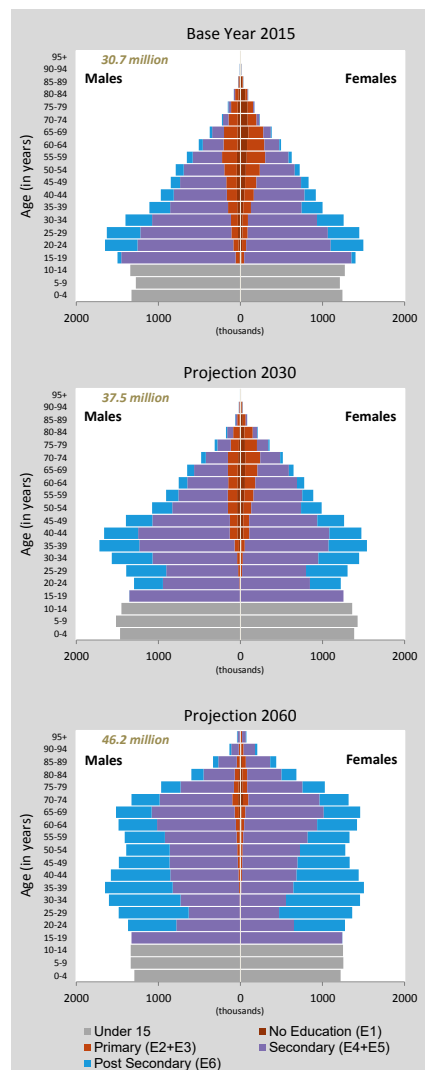
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

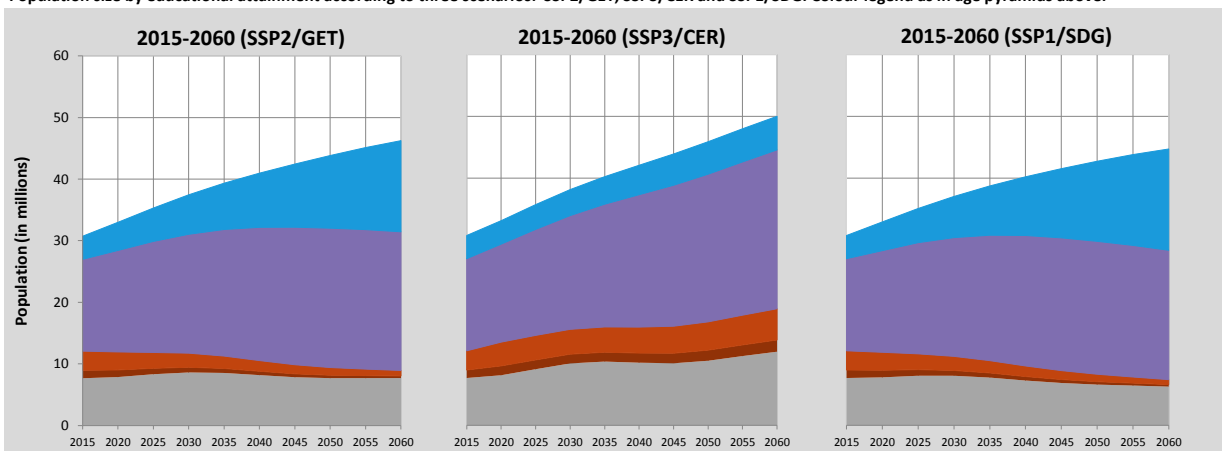
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

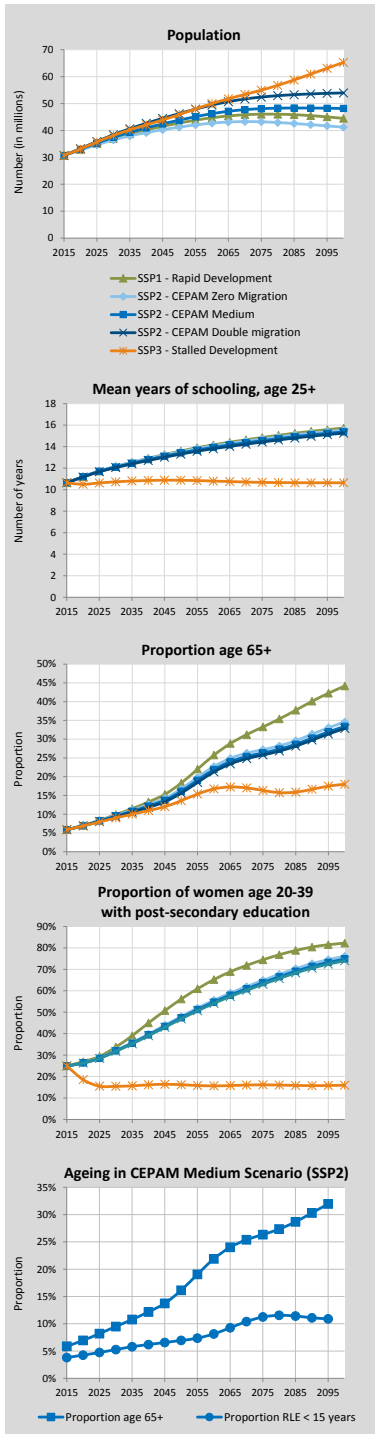
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Malaysia (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)	2015 2020 2030 2050 2060 2075 2100						
	Population (in millions)						
SSP1 - Rapid Development	30.72	32.92	37.04	42.74	44.72	46.05	44.49
SSP2 - CEPAM Zero Migration	30.72	32.70	36.47	41.22	42.72	43.21	41.21
SSP2 - CEPAM Medium	30.72	32.99	37.45	43.82	46.24	48.10	48.17
SSP2 - CEPAM Double Migration	30.72	33.27	38.41	46.26	49.45	52.41	53.95
SSP3 - Stalled Development	30.72	33.13	38.15	45.90	50.01	54.98	65.30
Proportion age 65+							
SSP1 - Rapid Development	5.9%	7.0%	9.9%	18.3%	25.7%	33.3%	44.2%
SSP2 - CEPAM Zero Migration	5.9%	7.0%	9.7%	16.7%	22.7%	27.2%	34.6%
SSP2 - CEPAM Medium	5.9%	7.0%	9.5%	16.1%	21.9%	26.3%	33.4%
SSP2 - CEPAM Double Migration	5.9%	6.9%	9.3%	15.6%	21.3%	25.8%	32.9%
SSP3 - Stalled Development	5.9%	6.9%	9.0%	13.6%	16.7%	16.3%	18.0%
Proportion below age 20							
SSP1 - Rapid Development	34.4%	31.6%	28.7%	21.2%	19.0%	15.9%	12.6%
SSP2 - CEPAM Zero Migration	34.4%	31.9%	30.1%	23.9%	22.3%	19.9%	16.9%
SSP2 - CEPAM Medium	34.4%	31.8%	30.0%	23.8%	22.2%	19.8%	16.9%
SSP2 - CEPAM Double Migration	34.4%	31.7%	29.9%	23.7%	22.1%	19.7%	16.8%
SSP3 - Stalled Development	34.4%	32.4%	33.0%	30.1%	30.7%	29.9%	29.0%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	24.9%	27.0%	33.8%	56.2%	65.2%	74.4%	82.2%
SSP2 - CEPAM Zero Migration	24.9%	26.4%	32.2%	48.0%	55.6%	64.9%	76.1%
SSP2 - CEPAM Medium	24.9%	26.3%	32.0%	47.4%	54.8%	63.8%	74.8%
SSP2 - CEPAM Double Migration	24.9%	26.3%	31.8%	46.9%	54.2%	63.0%	74.0%
SSP3 - Stalled Development	24.9%	18.6%	15.4%	16.2%	15.7%	16.1%	16.0%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	10.6	11.2	12.1	13.6	14.2	14.9	15.7
SSP2 - CEPAM Zero Migration	10.6	11.2	12.2	13.5	14.1	14.7	15.5
SSP2 - CEPAM Medium	10.6	11.2	12.1	13.4	13.9	14.6	15.4
SSP2 - CEPAM Double Migration	10.6	11.2	12.1	13.3	13.8	14.4	15.3
SSP3 - Stalled Development	10.6	10.5	10.7	10.9	10.8	10.7	10.6

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	2.01	1.92	1.76	1.56	1.50	1.42	1.37
SSP2 - CEPAM Zero Migration	2.08	2.06	1.98	1.80	1.73	1.64	1.57
SSP2 - CEPAM Medium	2.08	2.07	1.98	1.81	1.73	1.64	1.57
SSP2 - CEPAM Double Migration	2.08	2.07	1.99	1.81	1.73	1.64	1.57
SSP3 - Stalled Development	2.28	2.47	2.57	2.55	2.49	2.44	2.39
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	78.4	80.0	83.1	89.4	92.6	97.3	103.7
SSP2 - CEPAM Zero Migration	77.9	79.0	81.2	85.5	87.6	90.9	95.1
SSP2 - CEPAM Medium	77.9	79.0	81.1	85.4	87.6	90.8	95.1
SSP2 - CEPAM Double Migration	77.9	79.0	81.1	85.4	87.6	90.8	95.0
SSP3 - Stalled Development	77.4	77.9	79.0	81.0	82.0	83.4	85.6
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	268.6	279.9	290.7	300.9	293.9	276.6	241.1
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	268.2	281.7	303.1	338.9	347.1	353.1	344.9
SSP2 - CEPAM Double Migration	536.5	557.2	586.3	629.1	631.8	626.2	592.9
SSP3 - Stalled Development	178.7	94.9	0.3	0.4	0.4	0.5	0.5

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	27.7	29.8	33.8	39.5	41.9	46.0	49.8
Proportion age 65+	5.9%	7.0%	9.5%	16.1%	21.9%	26.3%	31.9%
Proportion RLE < 15 years	3.6%	4.1%	5.1%	6.9%	7.9%	11.1%	11.0%

Maldives

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	0.42	0.45	0.51	0.55	0.58	0.60
Proportion age 65+	4.1%	4.4%	7.3%	11.9%	20.6%	31.1%
Proportion below age 20	30.9%	30.1%	27.4%	21.1%	18.7%	17.3%
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	2.05	1.89	1.73	1.62	1.58	1.58
Life expectancy at birth (in years)						
Male	76.9	78.2	81.0	83.7	86.4	87.7
Female	78.9	80.4	83.4	86.4	89.4	92.4
Five-year net-migration flow (in thousands)	4.1	4.3	4.7	5.0	5.3	5.5

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	12.4%	9.8%	6.8%	4.5%	2.9%	1.9%
E2 - incomplete primary	18.3%	15.8%	12.8%	9.9%	7.3%	5.4%
E3 - primary	33.5%	33.8%	34.0%	32.6%	29.9%	26.8%
E4 - lower secondary	24.9%	27.0%	28.8%	30.3%	31.2%	31.4%
E5 - upper secondary	3.2%	4.4%	6.2%	8.5%	11.1%	13.7%
E6 - post-secondary	7.7%	9.2%	11.4%	14.2%	17.5%	20.8%
Mean years of schooling (in years)	6.7	7.4	8.1	8.9	9.6	10.2
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.81	0.79	0.80	0.81	0.84	0.89
E2 - incomplete primary	0.81	0.83	0.87	0.88	0.90	0.91
E3 - primary	1.08	1.04	0.97	0.93	0.90	0.87
E4 - lower secondary	0.99	0.98	1.01	1.04	1.07	1.08
E5 - upper secondary	1.46	1.38	1.24	1.11	1.03	1.01
E6 - post-secondary	1.49	1.43	1.31	1.21	1.14	1.10
Mean years of schooling (male minus female)	0.3	0.3	0.3	0.2	0.2	0.1
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	1.4%	1.3%	1.0%	0.7%	0.4%	0.2%
E2 - incomplete primary	8.3%	6.4%	4.7%	2.9%	1.6%	0.7%
E3 - primary	35.9%	34.6%	32.5%	26.2%	19.6%	12.8%
E4 - lower secondary	37.9%	37.6%	33.4%	31.3%	30.4%	27.6%
E5 - upper secondary	6.5%	7.9%	12.3%	17.6%	21.4%	26.4%
E6 - post-secondary	9.9%	12.2%	16.1%	21.4%	26.7%	32.3%
Mean years of schooling (in years)	8.7	9.2	10.1	10.7	11.4	12.2

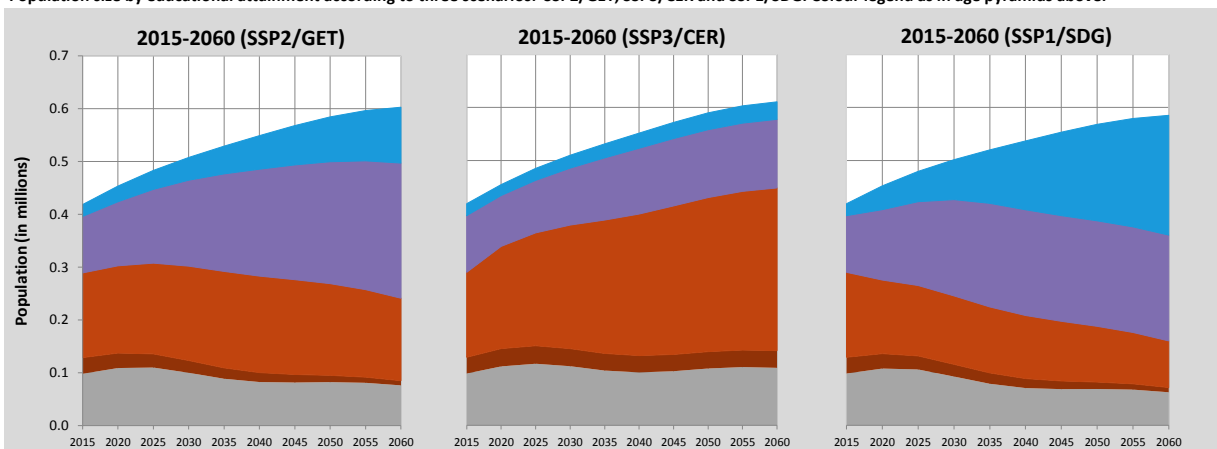
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

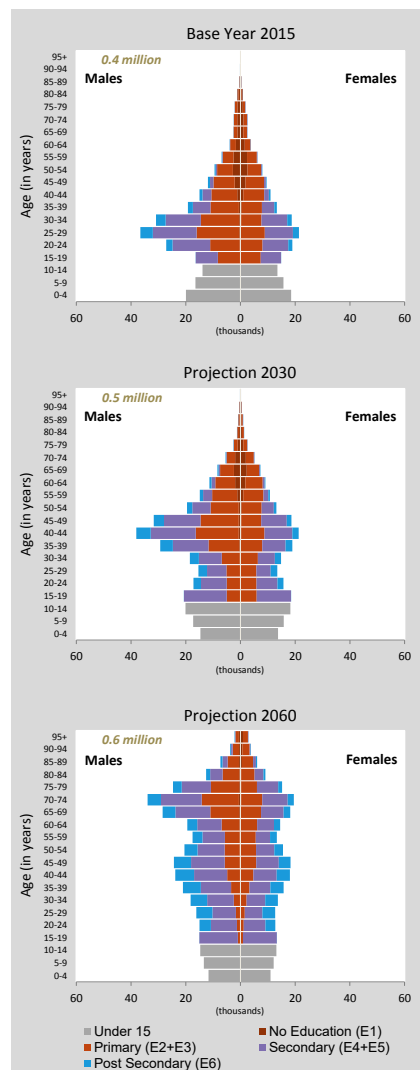
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

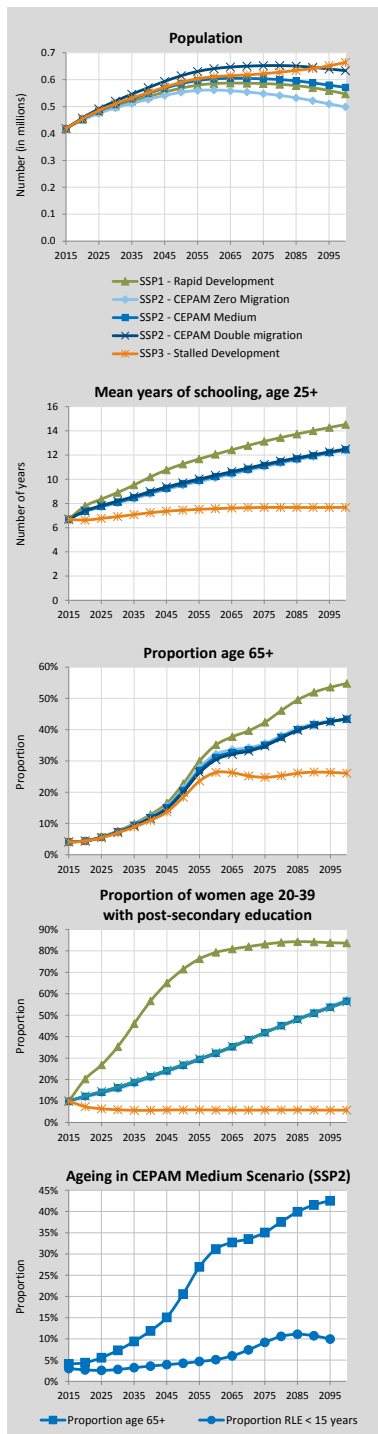
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



Maldives (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	0.42	0.45	0.50	0.57	0.59	0.59	0.55
SSP2 - CEPAM Zero Migration	0.42	0.45	0.49	0.55	0.56	0.55	0.50
SSP2 - CEPAM Medium	0.42	0.45	0.51	0.58	0.60	0.60	0.57
SSP2 - CEPAM Double Migration	0.42	0.46	0.52	0.61	0.64	0.65	0.63
SSP3 - Stalled Development	0.42	0.45	0.51	0.59	0.61	0.62	0.66
Proportion age 65+							
SSP1 - Rapid Development	4.1%	4.4%	7.6%	22.7%	35.1%	42.4%	54.8%
SSP2 - CEPAM Zero Migration	4.1%	4.4%	7.4%	21.2%	32.1%	35.6%	43.4%
SSP2 - CEPAM Medium	4.1%	4.4%	7.3%	20.6%	31.1%	35.1%	43.3%
SSP2 - CEPAM Double Migration	4.1%	4.4%	7.2%	20.0%	30.4%	34.8%	43.5%
SSP3 - Stalled Development	4.1%	4.3%	7.0%	18.4%	26.3%	24.8%	26.1%
Proportion below age 20							
SSP1 - Rapid Development	30.9%	29.8%	26.2%	16.2%	14.8%	11.2%	9.1%
SSP2 - CEPAM Zero Migration	30.9%	30.2%	27.7%	19.4%	18.2%	15.5%	14.3%
SSP2 - CEPAM Medium	30.9%	30.1%	27.4%	18.7%	17.3%	14.4%	12.9%
SSP2 - CEPAM Double Migration	30.9%	30.0%	27.0%	18.1%	16.5%	13.6%	11.8%
SSP3 - Stalled Development	30.9%	30.5%	29.5%	23.7%	23.7%	23.2%	24.9%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	9.9%	20.2%	35.3%	71.5%	79.3%	83.1%	83.7%
SSP2 - CEPAM Zero Migration	9.9%	11.9%	15.7%	26.3%	32.0%	41.9%	57.1%
SSP2 - CEPAM Medium	9.9%	12.2%	16.1%	26.7%	32.3%	41.9%	56.5%
SSP2 - CEPAM Double Migration	9.9%	12.4%	16.6%	27.0%	32.5%	41.9%	56.3%
SSP3 - Stalled Development	9.9%	7.4%	5.9%	5.9%	5.8%	5.8%	5.7%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	6.7	7.8	8.9	11.3	12.1	13.1	14.5
SSP2 - CEPAM Zero Migration	6.7	7.3	8.0	9.5	10.1	11.0	12.4
SSP2 - CEPAM Medium	6.7	7.4	8.1	9.6	10.2	11.1	12.4
SSP2 - CEPAM Double Migration	6.7	7.4	8.2	9.7	10.3	11.2	12.5
SSP3 - Stalled Development	6.7	6.6	6.9	7.4	7.6	7.7	7.7

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.96	1.71	1.49	1.36	1.35	1.37	1.41
SSP2 - CEPAM Zero Migration	2.05	1.89	1.73	1.58	1.58	1.60	1.63
SSP2 - CEPAM Medium	2.05	1.89	1.73	1.58	1.58	1.60	1.63
SSP2 - CEPAM Double Migration	2.05	1.89	1.73	1.58	1.58	1.60	1.64
SSP3 - Stalled Development	2.20	2.16	2.12	2.07	2.12	2.25	2.43
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	79.4	81.4	85.4	93.5	97.6	103.8	111.8
SSP2 - CEPAM Zero Migration	78.9	80.4	83.4	89.4	92.4	96.9	102.8
SSP2 - CEPAM Medium	78.9	80.4	83.4	89.4	92.4	96.9	102.9
SSP2 - CEPAM Double Migration	78.9	80.4	83.4	89.5	92.4	96.9	102.9
SSP3 - Stalled Development	78.4	79.4	81.4	85.2	86.9	89.4	93.0
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	4.1	4.3	4.5	4.8	4.7	4.6	4.1
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	4.1	4.3	4.7	5.3	5.6	5.8	5.9
SSP2 - CEPAM Double Migration	8.2	8.5	9.1	10.0	10.4	10.7	10.7
SSP3 - Stalled Development	2.7	1.5	0.0	0.0	0.0	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	27.9	31.0	37.1	44.9	48.5	54.2	58.1
Proportion age 65+	4.1%	4.4%	7.3%	20.6%	31.1%	35.1%	42.5%
Proportion RLE < 15 years	3.1%	2.9%	2.8%	3.6%	4.4%	6.8%	9.6%

Mali

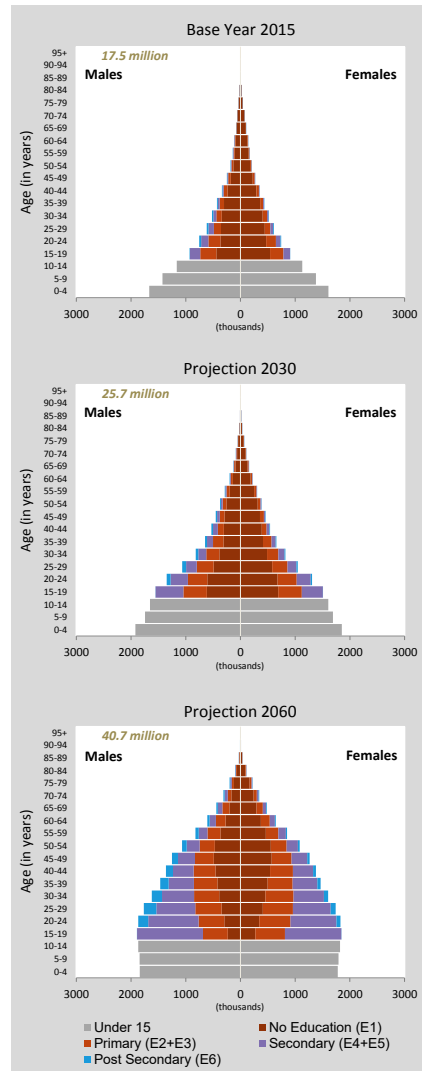
Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	17.47	20.13	25.67	31.39	36.50	40.67
Proportion age 65+	2.5%	2.5%	2.6%	3.3%	4.4%	5.6%
Proportion below age 20	58.5%	57.6%	52.7%	46.9%	41.6%	36.1%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	5.62	4.87	3.85	3.05	2.50	2.32
Life expectancy at birth (in years)						
Male	57.9	58.9	60.8	62.8	64.7	65.7
Female	59.5	60.6	62.8	65.1	67.3	69.6
Five-year net-migration flow (in thousands)	-166.9	-195.7	-255.6	-317.5	-372.5	-396.0

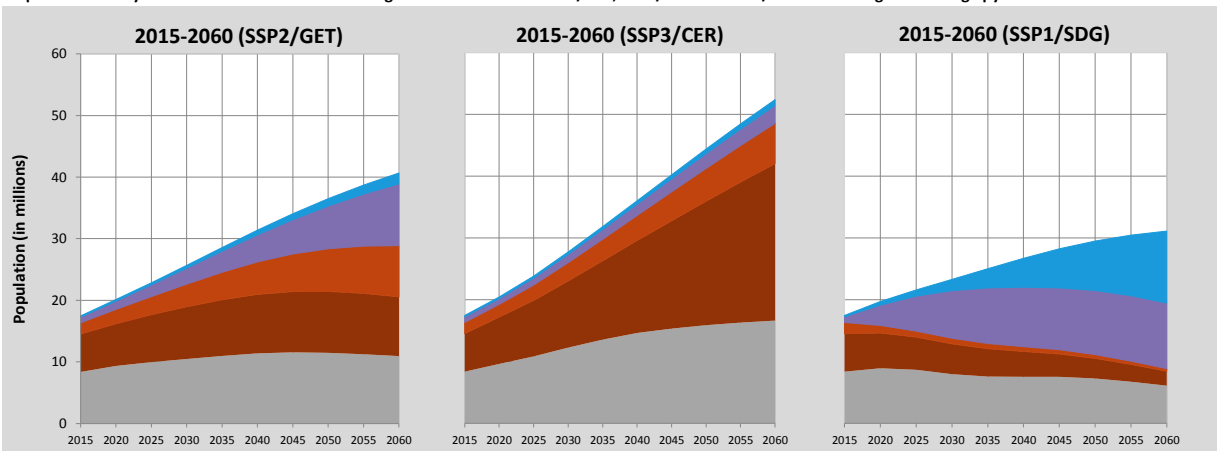
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	75.3%	70.5%	62.2%	54.5%	46.3%	38.0%
E2 - incomplete primary	9.7%	10.8%	12.7%	14.2%	15.0%	15.2%
E3 - primary	5.6%	7.1%	9.4%	10.4%	11.8%	12.9%
E4 - lower secondary	4.1%	5.1%	6.6%	8.6%	10.5%	12.8%
E5 - upper secondary	2.7%	3.5%	5.4%	7.8%	10.7%	14.3%
E6 - post-secondary	2.6%	3.0%	3.7%	4.6%	5.6%	6.7%
Mean years of schooling (in years)	1.8	2.2	2.9	3.7	4.5	5.4
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.84	0.82	0.81	0.82	0.82	0.82
E2 - incomplete primary	1.34	1.27	1.15	1.04	0.99	0.94
E3 - primary	1.56	1.49	1.36	1.20	1.11	1.01
E4 - lower secondary	2.13	1.94	1.57	1.28	1.10	1.05
E5 - upper secondary	1.98	1.72	1.37	1.26	1.20	1.15
E6 - post-secondary	3.50	3.21	2.91	2.75	2.63	2.55
Mean years of schooling (male minus female)	0.6	0.6	0.7	0.6	0.6	0.6
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	65.7%	59.8%	51.2%	43.7%	33.6%	23.6%
E2 - incomplete primary	12.0%	13.2%	15.1%	16.1%	16.1%	14.9%
E3 - primary	8.2%	10.1%	11.8%	12.1%	13.6%	14.5%
E4 - lower secondary	6.2%	7.4%	9.0%	11.1%	13.8%	16.8%
E5 - upper secondary	4.5%	5.9%	8.7%	11.9%	16.5%	22.3%
E6 - post-secondary	3.3%	3.6%	4.1%	5.1%	6.4%	7.9%
Mean years of schooling (in years)	1.9	2.4	3.3	4.2	5.3	6.5

Education scenarios
 SSP2/GET: Global Education Trend Scenario (Medium assumption)
 SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)
 SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

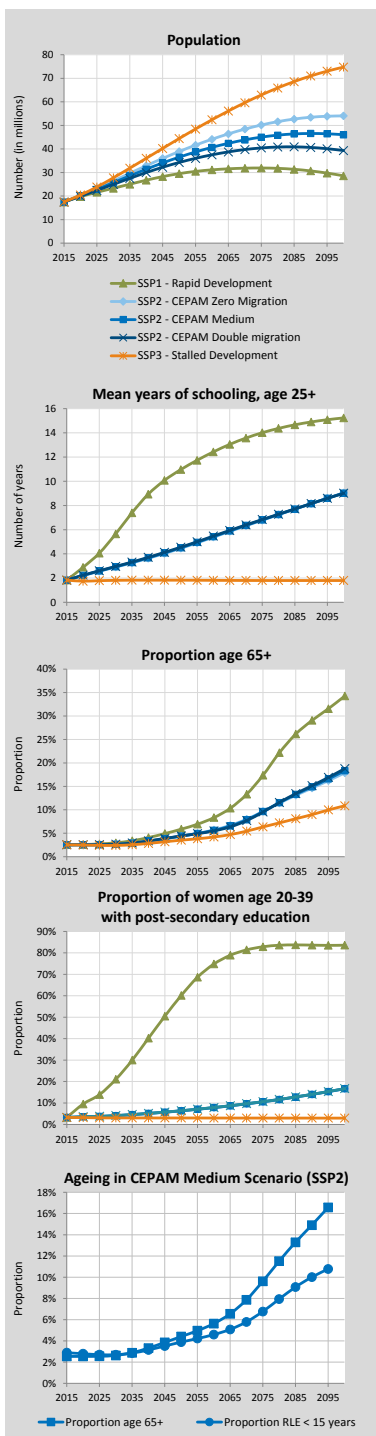
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Mali (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	17.47	19.73	23.30	29.51	31.12	31.90	28.60
SSP2 - CEPAM Zero Migration	17.47	20.32	26.42	38.90	44.12	50.16	54.03
SSP2 - CEPAM Medium	17.47	20.13	25.67	36.50	40.67	45.01	46.04
SSP2 - CEPAM Double Migration	17.47	19.94	24.94	34.25	37.50	40.43	39.32
SSP3 - Stalled Development	17.47	20.45	27.74	44.40	52.38	62.91	74.74
Proportion age 65+							
SSP1 - Rapid Development	2.5%	2.6%	3.0%	5.9%	8.3%	17.4%	34.3%
SSP2 - CEPAM Zero Migration	2.5%	2.5%	2.6%	4.4%	5.7%	9.7%	17.9%
SSP2 - CEPAM Medium	2.5%	2.5%	2.6%	4.4%	5.6%	9.6%	18.3%
SSP2 - CEPAM Double Migration	2.5%	2.5%	2.7%	4.4%	5.5%	9.5%	18.8%
SSP3 - Stalled Development	2.5%	2.5%	2.4%	3.5%	4.2%	6.4%	10.9%
Proportion below age 20							
SSP1 - Rapid Development	58.5%	56.7%	47.4%	33.0%	27.4%	20.3%	14.1%
SSP2 - CEPAM Zero Migration	58.5%	57.3%	52.2%	40.9%	35.5%	29.4%	23.3%
SSP2 - CEPAM Medium	58.5%	57.6%	52.7%	41.6%	36.1%	29.9%	23.6%
SSP2 - CEPAM Double Migration	58.5%	57.9%	53.2%	42.3%	36.8%	30.4%	23.8%
SSP3 - Stalled Development	58.5%	58.1%	55.3%	46.5%	41.6%	36.0%	31.2%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	3.3%	9.5%	21.1%	60.1%	74.8%	82.9%	83.6%
SSP2 - CEPAM Zero Migration	3.3%	3.5%	4.0%	6.3%	7.8%	10.5%	16.7%
SSP2 - CEPAM Medium	3.3%	3.6%	4.1%	6.4%	7.9%	10.6%	16.7%
SSP2 - CEPAM Double Migration	3.3%	3.6%	4.2%	6.4%	7.9%	10.6%	16.7%
SSP3 - Stalled Development	3.3%	3.2%	3.1%	3.0%	3.0%	3.0%	3.0%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	1.8	2.9	5.6	11.0	12.4	14.0	15.2
SSP2 - CEPAM Zero Migration	1.8	2.2	2.9	4.5	5.4	6.8	9.0
SSP2 - CEPAM Medium	1.8	2.2	2.9	4.5	5.4	6.8	9.0
SSP2 - CEPAM Double Migration	1.8	2.2	3.0	4.6	5.5	6.8	9.0
SSP3 - Stalled Development	1.8	1.7	1.8	1.8	1.8	1.8	1.8

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	4.98	3.74	2.58	1.73	1.51	1.35	1.23
SSP2 - CEPAM Zero Migration	5.62	4.88	3.85	2.50	2.18	1.92	1.75
SSP2 - CEPAM Medium	5.62	4.87	3.85	2.50	2.18	1.92	1.75
SSP2 - CEPAM Double Migration	5.62	4.87	3.85	2.50	2.18	1.92	1.75
SSP3 - Stalled Development	6.08	5.68	4.84	3.21	2.80	2.53	2.40
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	60.1	62.5	66.8	73.7	76.9	81.8	88.3
SSP2 - CEPAM Zero Migration	59.5	60.6	62.8	67.3	69.5	72.9	77.4
SSP2 - CEPAM Medium	59.5	60.6	62.8	67.3	69.6	72.9	77.4
SSP2 - CEPAM Double Migration	59.5	60.6	62.8	67.3	69.6	72.9	77.4
SSP3 - Stalled Development	58.9	59.4	60.3	62.1	62.8	64.0	65.6
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-167.1	-191.7	-230.7	-297.8	-314.7	-321.3	-292.1
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-166.9	-195.7	-255.6	-372.5	-416.7	-460.6	-469.1
SSP2 - CEPAM Double Migration	-333.9	-387.1	-494.9	-694.8	-763.0	-819.9	-798.6
SSP3 - Stalled Development	-111.2	-66.3	-0.2	-0.4	-0.5	-0.6	-0.7

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	16.0	16.6	18.9	24.4	27.8	33.1	39.3
Proportion age 65+	2.5%	2.5%	2.6%	4.4%	5.6%	9.6%	16.6%
Proportion RLE < 15 years	3.2%	3.1%	2.9%	4.0%	4.7%	6.7%	10.6%

Martinique

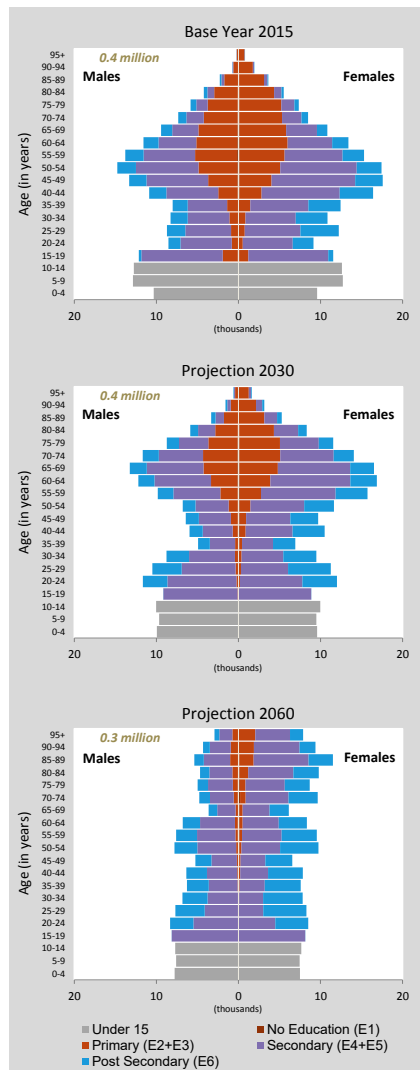
Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	0.39	0.38	0.36	0.34	0.32	0.29
Proportion age 65+	17.8%	20.8%	29.0%	35.4%	35.2%	32.0%
Proportion below age 20	24.5%	23.8%	21.1%	21.5%	21.5%	21.2%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	1.97	1.98	1.96	1.93	1.91	1.90
Life expectancy at birth (in years)						
Male	79.2	80.2	82.1	84.1	86.0	87.0
Female	85.2	86.2	88.1	90.0	91.9	93.8
Five-year net-migration flow (in thousands)	-11.0	-10.5	-9.3	-8.0	-6.6	-6.0

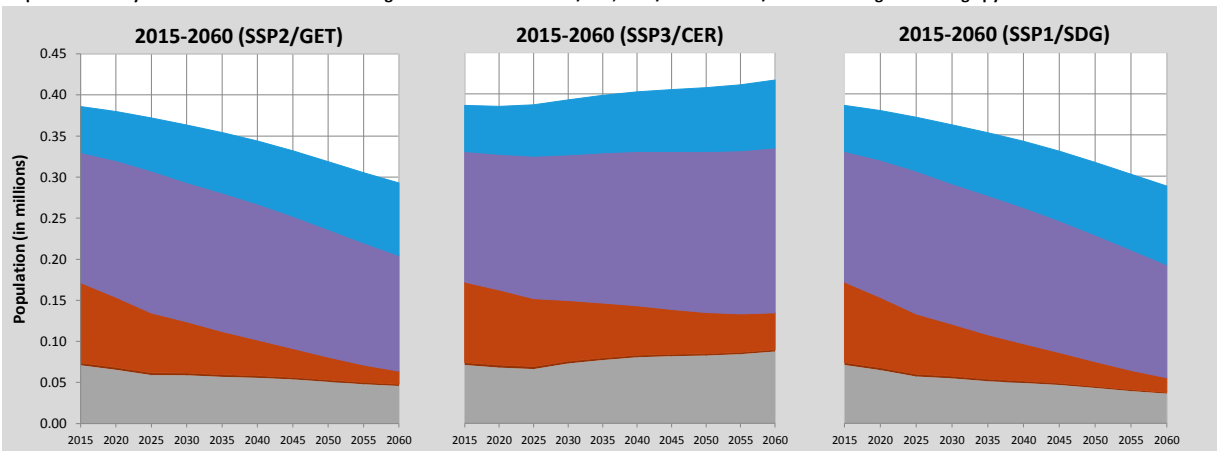
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	1.0%	1.1%	1.1%	1.1%	1.0%	1.0%
E2 - incomplete primary	10.7%	9.1%	6.0%	3.9%	2.4%	1.4%
E3 - primary	23.4%	21.8%	17.5%	13.3%	9.4%	6.0%
E4 - lower secondary	13.7%	13.6%	12.7%	11.4%	9.7%	7.7%
E5 - upper secondary	32.6%	34.4%	38.9%	42.4%	44.8%	45.8%
E6 - post-secondary	18.7%	20.0%	23.9%	27.9%	32.6%	38.1%
Mean years of schooling (in years)	10.1	10.4	10.9	11.4	11.8	12.2
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	1.20	1.11	0.99	0.88	0.78	0.69
E2 - incomplete primary	0.89	0.91	0.95	0.97	0.97	0.91
E3 - primary	1.13	1.12	1.08	1.04	0.98	0.92
E4 - lower secondary	1.00	1.01	1.03	1.04	1.05	1.06
E5 - upper secondary	1.03	1.03	1.07	1.11	1.15	1.19
E6 - post-secondary	0.86	0.85	0.84	0.83	0.82	0.81
Mean years of schooling (male minus female)	0.0	0.0	0.0	0.0	0.0	0.0
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	0.5%	0.8%	0.6%	0.4%	0.3%	0.2%
E2 - incomplete primary	1.2%	0.9%	0.4%	0.2%	0.2%	0.1%
E3 - primary	8.3%	6.1%	2.7%	1.5%	0.9%	0.6%
E4 - lower secondary	11.0%	9.4%	6.0%	4.2%	2.7%	1.8%
E5 - upper secondary	50.1%	52.1%	54.7%	53.0%	50.5%	47.4%
E6 - post-secondary	29.0%	30.7%	35.7%	40.6%	45.4%	49.9%
Mean years of schooling (in years)	12.1	12.3	12.6	12.8	13.0	13.1

Education scenarios
 SSP2/GET: Global Education Trend Scenario (Medium assumption)
 SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)
 SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

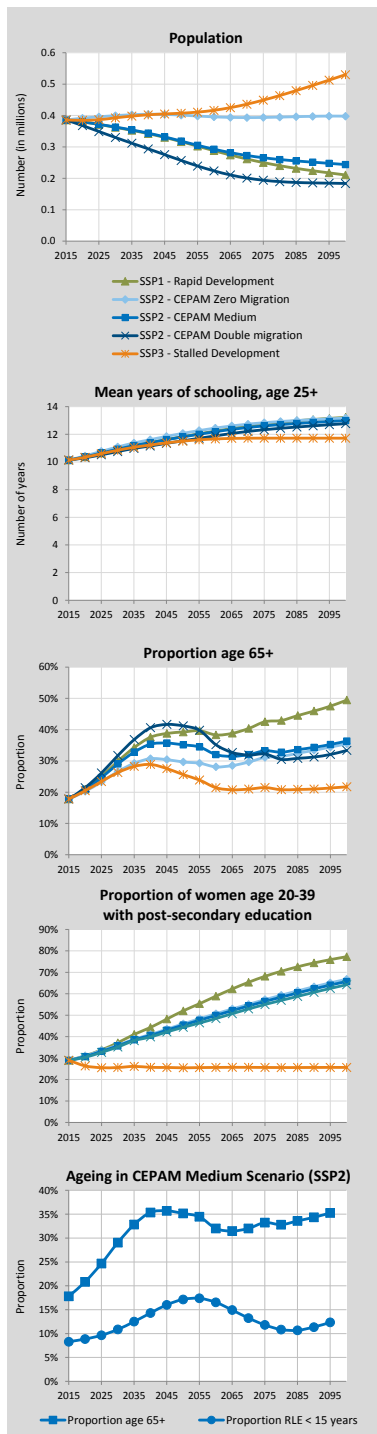
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Martinique (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)	2015 2020 2030 2050 2060 2075 2100						
	Population (in millions)						
SSP1 - Rapid Development	0.39	0.38	0.36	0.32	0.29	0.25	0.21
SSP2 - CEPAM Zero Migration	0.39	0.39	0.40	0.40	0.40	0.39	0.40
SSP2 - CEPAM Medium	0.39	0.38	0.36	0.32	0.29	0.27	0.24
SSP2 - CEPAM Double Migration	0.39	0.37	0.33	0.26	0.22	0.19	0.18
SSP3 - Stalled Development	0.39	0.38	0.39	0.41	0.42	0.45	0.53
Proportion age 65+							
SSP1 - Rapid Development	17.8%	21.0%	29.9%	39.3%	38.3%	42.5%	49.5%
SSP2 - CEPAM Zero Migration	17.8%	20.3%	26.6%	29.7%	28.1%	31.1%	35.5%
SSP2 - CEPAM Medium	17.8%	20.8%	29.0%	35.2%	32.0%	33.2%	36.4%
SSP2 - CEPAM Double Migration	17.8%	21.4%	31.7%	41.2%	35.2%	32.2%	33.3%
SSP3 - Stalled Development	17.8%	20.5%	26.3%	25.6%	21.4%	21.5%	21.7%
Proportion below age 20							
SSP1 - Rapid Development	24.5%	23.6%	20.0%	18.5%	17.3%	16.5%	14.1%
SSP2 - CEPAM Zero Migration	24.5%	23.7%	21.5%	21.6%	20.9%	20.4%	18.5%
SSP2 - CEPAM Medium	24.5%	23.8%	21.1%	21.5%	21.2%	21.4%	19.7%
SSP2 - CEPAM Double Migration	24.5%	23.8%	20.6%	21.5%	21.6%	22.8%	21.4%
SSP3 - Stalled Development	24.5%	24.1%	23.4%	26.8%	27.5%	28.3%	27.8%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	29.0%	31.1%	37.2%	52.1%	58.9%	68.2%	77.3%
SSP2 - CEPAM Zero Migration	29.0%	31.0%	36.0%	46.0%	50.7%	57.3%	66.8%
SSP2 - CEPAM Medium	29.0%	30.7%	35.7%	45.4%	49.9%	56.5%	65.8%
SSP2 - CEPAM Double Migration	29.0%	30.4%	35.2%	44.4%	48.5%	55.0%	64.2%
SSP3 - Stalled Development	29.0%	26.4%	25.6%	25.5%	25.7%	25.6%	25.7%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	10.1	10.4	10.9	11.8	12.2	12.7	13.2
SSP2 - CEPAM Zero Migration	10.1	10.4	11.1	12.1	12.4	12.8	13.2
SSP2 - CEPAM Medium	10.1	10.4	10.9	11.8	12.2	12.6	13.0
SSP2 - CEPAM Double Migration	10.1	10.3	10.7	11.5	11.9	12.3	12.8
SSP3 - Stalled Development	10.1	10.3	10.8	11.5	11.7	11.7	11.7

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.90	1.85	1.74	1.66	1.64	1.63	1.61
SSP2 - CEPAM Zero Migration	1.97	1.98	1.96	1.91	1.89	1.86	1.85
SSP2 - CEPAM Medium	1.97	1.98	1.96	1.91	1.89	1.87	1.85
SSP2 - CEPAM Double Migration	1.97	1.98	1.96	1.91	1.89	1.87	1.85
SSP3 - Stalled Development	2.11	2.28	2.43	2.47	2.45	2.45	2.45
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	85.7	87.2	90.1	95.9	98.8	103.1	108.8
SSP2 - CEPAM Zero Migration	85.2	86.2	88.1	91.9	93.9	96.8	100.6
SSP2 - CEPAM Medium	85.2	86.2	88.1	91.9	93.8	96.7	100.5
SSP2 - CEPAM Double Migration	85.2	86.2	88.1	91.9	93.7	96.5	100.3
SSP3 - Stalled Development	84.7	85.1	86.0	87.8	88.7	89.9	91.6
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-11.1	-10.5	-9.4	-7.0	-5.8	-4.6	-3.9
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-11.0	-10.5	-9.3	-6.6	-5.5	-4.5	-3.9
SSP2 - CEPAM Double Migration	-22.1	-20.0	-15.8	-8.2	-5.4	-3.5	-3.2
SSP3 - Stalled Development	-7.3	-3.5	0.0	0.0	0.0	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	43.7	46.1	49.0	48.1	48.8	47.5	50.9
Proportion age 65+	17.8%	20.8%	29.0%	35.2%	32.0%	33.2%	35.3%
Proportion RLE < 15 years	7.6%	8.0%	9.6%	16.8%	18.4%	14.1%	12.2%

Mauritania

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	4.18	4.71	5.68	6.60	7.41	8.04
Proportion age 65+	3.1%	3.3%	4.2%	5.6%	7.4%	9.6%
Proportion below age 20	50.5%	49.1%	44.0%	37.8%	33.6%	29.7%
Total Fertility Rate	4.27	3.63	2.87	2.36	2.07	1.98
Life expectancy at birth (in years)						
Male	61.9	63.0	65.2	67.4	69.6	70.8
Female	65.0	66.2	68.6	70.9	73.3	75.7
Five-year net-migration flow (in thousands)	-2.0	-3.6	-6.5	-9.4	-12.0	-13.1

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	57.7%	52.4%	42.2%	32.6%	24.6%	18.1%
E2 - incomplete primary	7.0%	7.8%	9.1%	9.6%	9.4%	8.7%
E3 - primary	17.4%	18.9%	21.6%	23.4%	24.2%	23.8%
E4 - lower secondary	7.8%	8.8%	11.1%	13.6%	15.7%	17.5%
E5 - upper secondary	6.2%	7.6%	10.4%	14.1%	18.0%	22.4%
E6 - post-secondary	4.0%	4.6%	5.6%	6.8%	8.1%	9.6%
Mean years of schooling (in years)	3.7	4.3	5.3	6.4	7.4	8.3
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.82	0.82	0.82	0.84	0.86	0.87
E2 - incomplete primary	0.97	0.92	0.89	0.86	0.83	0.81
E3 - primary	1.23	1.18	1.09	1.02	0.98	0.94
E4 - lower secondary	1.35	1.25	1.11	1.00	0.94	0.91
E5 - upper secondary	1.69	1.57	1.38	1.28	1.22	1.17
E6 - post-secondary	2.07	1.87	1.66	1.56	1.51	1.49
Mean years of schooling (male minus female)	0.7	0.7	0.6	0.5	0.4	0.4
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	44.7%	38.2%	26.8%	18.2%	11.6%	6.7%
E2 - incomplete primary	9.3%	10.0%	10.7%	9.8%	8.3%	6.4%
E3 - primary	21.7%	23.1%	25.2%	25.7%	24.6%	21.4%
E4 - lower secondary	10.4%	11.9%	14.9%	17.5%	19.3%	20.9%
E5 - upper secondary	9.5%	11.7%	16.0%	21.0%	26.8%	33.1%
E6 - post-secondary	4.4%	5.1%	6.4%	7.8%	9.4%	11.5%
Mean years of schooling (in years)	4.4	5.1	6.5	7.8	8.9	9.9

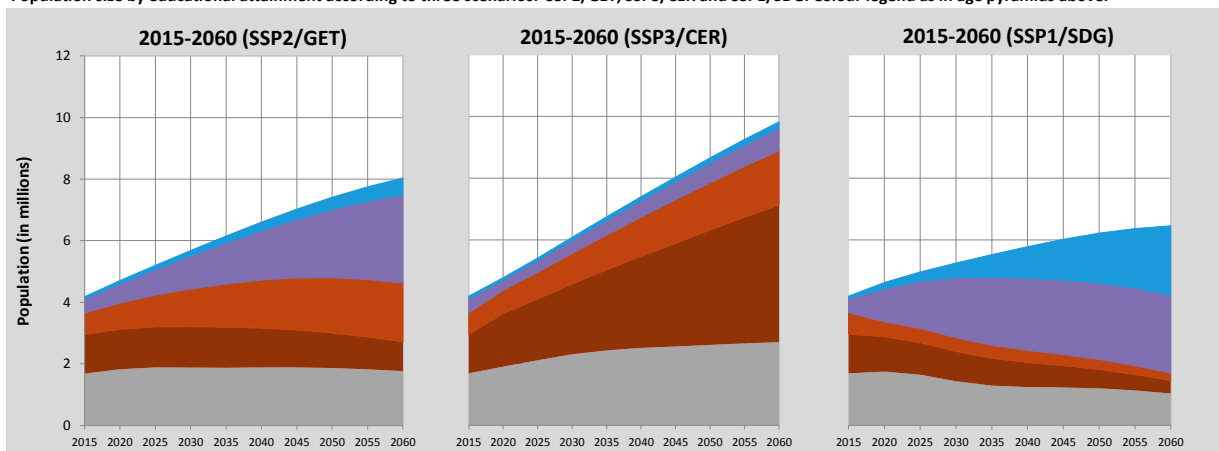
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

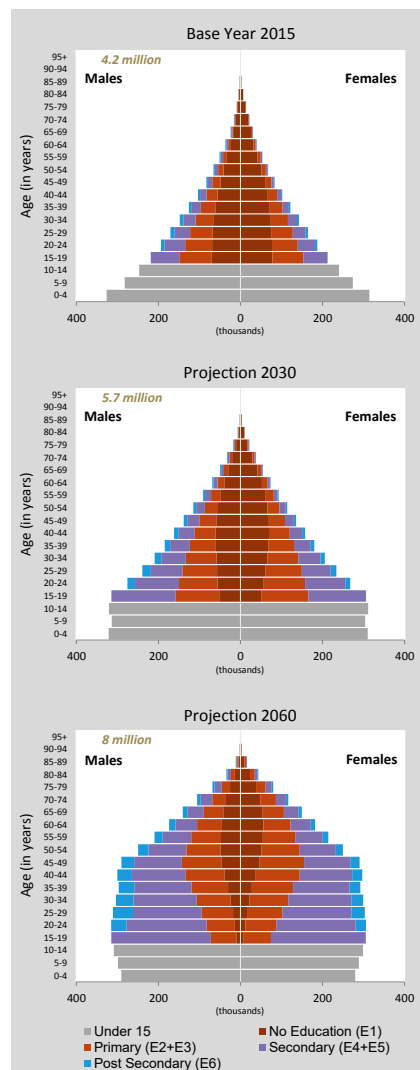
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

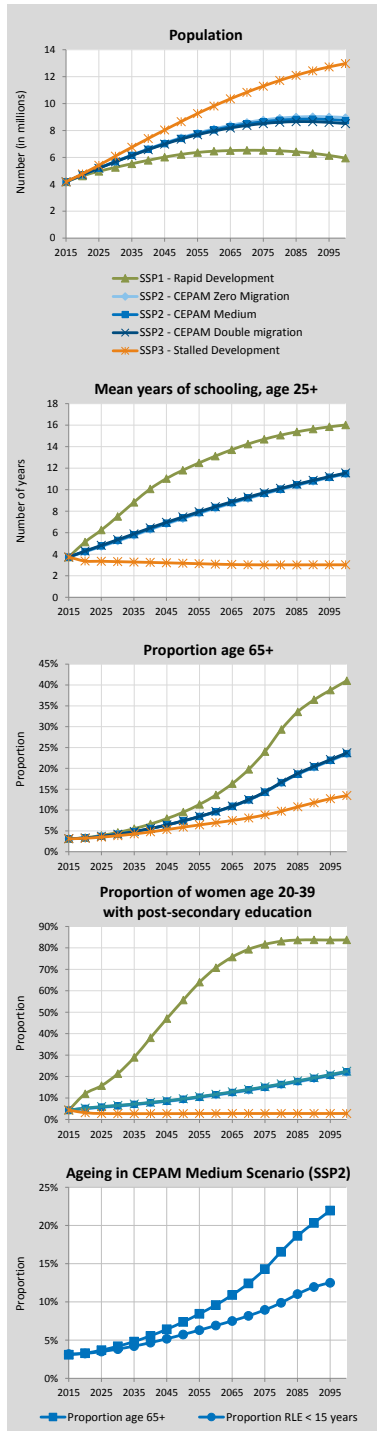
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



Mauritania (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	4.18	4.62	5.25	6.22	6.46	6.52	5.95
SSP2 - CEPAM Zero Migration	4.18	4.71	5.70	7.46	8.12	8.78	8.96
SSP2 - CEPAM Medium	4.18	4.71	5.68	7.41	8.04	8.65	8.74
SSP2 - CEPAM Double Migration	4.18	4.70	5.67	7.36	7.95	8.52	8.51
SSP3 - Stalled Development	4.18	4.78	6.09	8.66	9.82	11.30	12.97
Proportion age 65+							
SSP1 - Rapid Development	3.1%	3.4%	4.6%	9.5%	13.6%	24.0%	41.0%
SSP2 - CEPAM Zero Migration	3.1%	3.3%	4.2%	7.3%	9.5%	14.2%	23.4%
SSP2 - CEPAM Medium	3.1%	3.3%	4.2%	7.4%	9.6%	14.3%	23.6%
SSP2 - CEPAM Double Migration	3.1%	3.3%	4.2%	7.4%	9.6%	14.4%	23.7%
SSP3 - Stalled Development	3.1%	3.2%	3.8%	5.9%	7.0%	8.8%	13.5%
Proportion below age 20							
SSP1 - Rapid Development	50.5%	48.1%	39.0%	25.8%	22.2%	16.7%	12.0%
SSP2 - CEPAM Zero Migration	50.5%	49.1%	44.0%	33.5%	29.6%	25.0%	20.3%
SSP2 - CEPAM Medium	50.5%	49.1%	44.0%	33.6%	29.7%	25.1%	20.3%
SSP2 - CEPAM Double Migration	50.5%	49.1%	44.0%	33.7%	29.7%	25.2%	20.4%
SSP3 - Stalled Development	50.5%	49.9%	47.9%	39.6%	36.1%	32.2%	28.8%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	4.4%	12.0%	21.4%	55.7%	70.8%	81.7%	83.7%
SSP2 - CEPAM Zero Migration	4.4%	5.0%	6.2%	9.2%	11.3%	14.8%	21.8%
SSP2 - CEPAM Medium	4.4%	5.1%	6.4%	9.4%	11.5%	15.0%	22.1%
SSP2 - CEPAM Double Migration	4.4%	5.3%	6.6%	9.6%	11.7%	15.3%	22.5%
SSP3 - Stalled Development	4.4%	3.1%	2.7%	2.7%	2.8%	2.8%	2.8%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	3.7	5.1	7.5	11.8	13.1	14.7	16.0
SSP2 - CEPAM Zero Migration	3.7	4.2	5.2	7.3	8.3	9.6	11.5
SSP2 - CEPAM Medium	3.7	4.3	5.3	7.4	8.3	9.7	11.5
SSP2 - CEPAM Double Migration	3.7	4.3	5.4	7.5	8.4	9.7	11.5
SSP3 - Stalled Development	3.7	3.4	3.3	3.2	3.1	3.0	3.0

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	3.73	2.72	1.88	1.45	1.37	1.27	1.16
SSP2 - CEPAM Zero Migration	4.27	3.64	2.87	2.07	1.91	1.76	1.62
SSP2 - CEPAM Medium	4.27	3.63	2.87	2.07	1.91	1.76	1.62
SSP2 - CEPAM Double Migration	4.27	3.63	2.86	2.07	1.91	1.76	1.62
SSP3 - Stalled Development	4.76	4.50	3.84	2.70	2.48	2.34	2.25
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	65.6	67.8	71.8	78.5	81.8	87.1	94.1
SSP2 - CEPAM Zero Migration	65.0	66.2	68.5	73.3	75.6	79.2	84.0
SSP2 - CEPAM Medium	65.0	66.2	68.6	73.3	75.7	79.2	84.0
SSP2 - CEPAM Double Migration	65.0	66.2	68.6	73.3	75.7	79.3	84.0
SSP3 - Stalled Development	64.4	64.7	65.7	67.5	68.4	69.9	72.2
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-2.0	-3.3	-5.0	-7.9	-8.8	-9.3	-8.7
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-2.0	-3.6	-6.5	-12.0	-14.1	-16.2	-16.7
SSP2 - CEPAM Double Migration	-4.1	-7.3	-13.2	-24.2	-28.3	-32.1	-32.7
SSP3 - Stalled Development	-1.4	-1.3	0.0	0.0	0.0	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	19.7	20.5	23.1	30.0	33.3	38.1	43.6
Proportion age 65+	3.1%	3.3%	4.2%	7.4%	9.6%	14.3%	22.0%
Proportion RLE < 15 years	3.4%	3.4%	3.9%	5.6%	6.8%	8.8%	12.4%

Mauritius

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	1.26	1.26	1.24	1.20	1.13	1.05
Proportion age 65+	10.0%	12.6%	18.6%	22.5%	26.7%	30.6%
Proportion below age 20	26.9%	24.6%	21.5%	21.2%	19.4%	18.3%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	1.51	1.57	1.64	1.68	1.71	1.71
Life expectancy at birth (in years)						
Male	71.5	72.6	75.0	77.3	79.6	80.8
Female	78.4	79.5	81.6	83.7	85.8	87.9
Five-year net-migration flow (in thousands)	-19.2	-18.8	-17.9	-16.5	-14.8	-14.0

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	5.4%	4.1%	2.2%	1.2%	0.7%	0.4%
E2 - incomplete primary	23.0%	20.4%	16.4%	13.2%	10.0%	7.0%
E3 - primary	23.4%	22.8%	20.9%	18.6%	15.9%	13.1%
E4 - lower secondary	13.5%	14.4%	15.4%	15.7%	15.3%	14.4%
E5 - upper secondary	28.6%	31.1%	36.0%	40.3%	44.7%	49.0%
E6 - post-secondary	6.2%	7.2%	9.0%	11.0%	13.4%	16.1%
Mean years of schooling (in years)	8.5	9.0	9.7	10.4	11.1	11.7
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.25	0.27	0.32	0.42	0.54	0.62
E2 - incomplete primary	0.98	0.98	1.01	1.07	1.16	1.29
E3 - primary	1.04	1.03	1.02	1.03	1.06	1.12
E4 - lower secondary	1.17	1.15	1.11	1.09	1.09	1.10
E5 - upper secondary	1.06	1.02	0.97	0.94	0.93	0.93
E6 - post-secondary	1.44	1.30	1.15	1.06	1.00	0.96
Mean years of schooling (male minus female)	0.4	0.3	0.1	0.0	-0.1	-0.1
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	0.5%	0.4%	0.2%	0.1%	0.1%	0.1%
E2 - incomplete primary	12.4%	8.0%	4.5%	4.3%	2.6%	1.4%
E3 - primary	19.3%	17.7%	14.7%	10.3%	6.8%	4.5%
E4 - lower secondary	16.6%	17.3%	16.8%	13.8%	10.9%	8.8%
E5 - upper secondary	42.2%	45.8%	50.2%	55.0%	59.9%	62.4%
E6 - post-secondary	9.1%	10.8%	13.6%	16.4%	19.6%	22.9%
Mean years of schooling (in years)	10.7	11.3	12.1	12.6	13.2	13.6

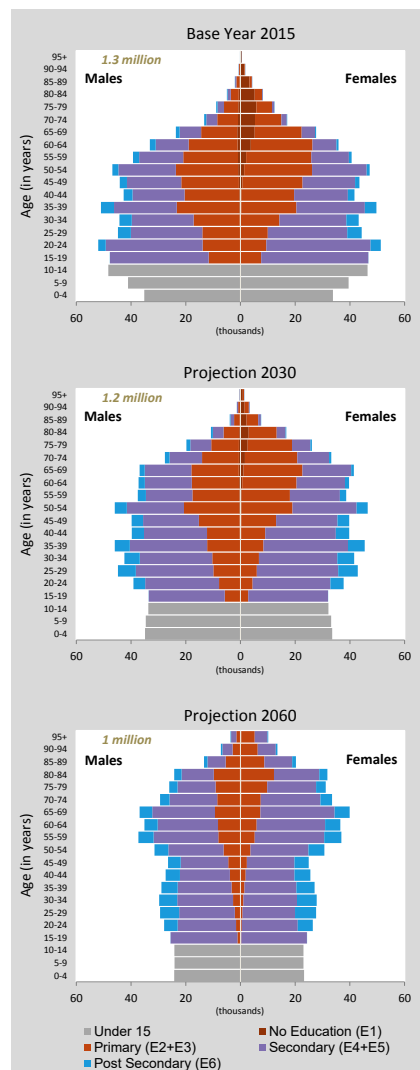
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

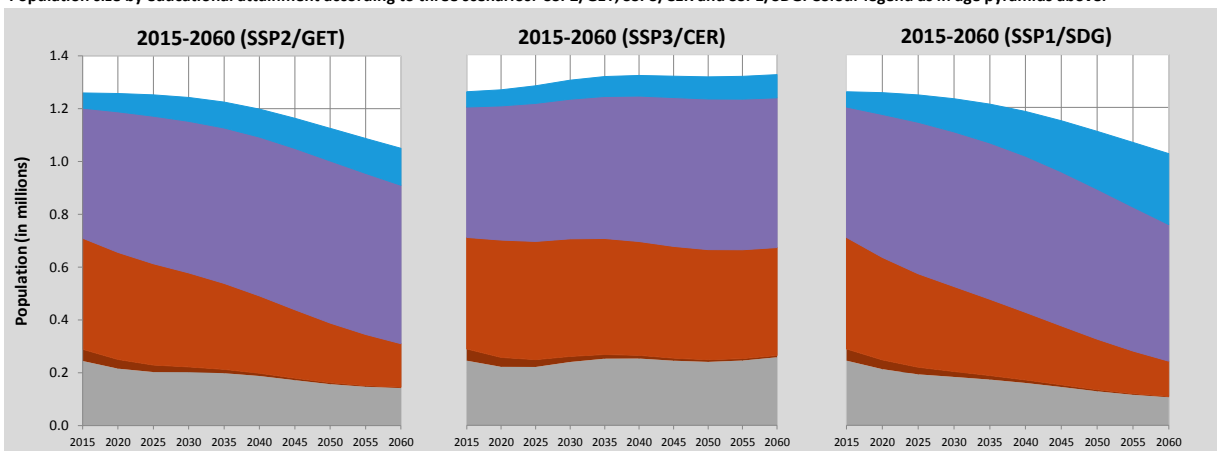
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

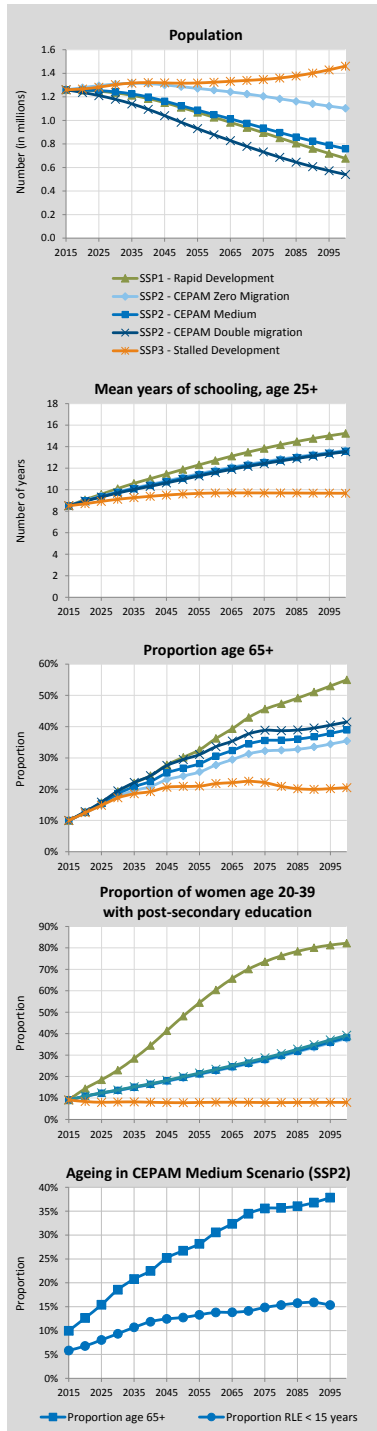
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Mauritius (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	1.26	1.26	1.23	1.11	1.03	0.90	0.68
SSP2 - CEPAM Zero Migration	1.26	1.28	1.31	1.29	1.26	1.20	1.10
SSP2 - CEPAM Medium	1.26	1.26	1.24	1.13	1.05	0.94	0.76
SSP2 - CEPAM Double Migration	1.26	1.24	1.18	0.98	0.88	0.73	0.54
SSP3 - Stalled Development	1.26	1.27	1.30	1.32	1.32	1.35	1.46
Proportion age 65+							
SSP1 - Rapid Development	10.0%	12.7%	19.3%	30.2%	36.2%	45.6%	55.0%
SSP2 - CEPAM Zero Migration	10.0%	12.5%	17.7%	24.2%	27.7%	32.3%	35.4%
SSP2 - CEPAM Medium	10.0%	12.6%	18.6%	26.7%	30.6%	35.6%	38.9%
SSP2 - CEPAM Double Migration	10.0%	12.8%	19.4%	29.5%	33.6%	38.8%	41.5%
SSP3 - Stalled Development	10.0%	12.5%	17.2%	20.9%	21.8%	22.1%	20.5%
Proportion below age 20							
SSP1 - Rapid Development	26.9%	24.4%	20.2%	16.3%	14.4%	12.9%	10.4%
SSP2 - CEPAM Zero Migration	26.9%	24.6%	21.8%	20.1%	19.1%	18.8%	17.6%
SSP2 - CEPAM Medium	26.9%	24.6%	21.5%	19.4%	18.3%	17.9%	16.7%
SSP2 - CEPAM Double Migration	26.9%	24.6%	21.2%	18.6%	17.4%	17.1%	16.1%
SSP3 - Stalled Development	26.9%	24.9%	23.5%	24.7%	25.3%	26.9%	27.8%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	9.1%	14.4%	23.0%	48.2%	60.4%	73.6%	82.2%
SSP2 - CEPAM Zero Migration	9.1%	10.7%	13.4%	19.4%	22.7%	27.6%	37.7%
SSP2 - CEPAM Medium	9.1%	10.8%	13.6%	19.6%	22.9%	28.0%	38.2%
SSP2 - CEPAM Double Migration	9.1%	10.9%	13.8%	20.0%	23.4%	28.7%	39.3%
SSP3 - Stalled Development	9.1%	8.4%	8.1%	7.8%	8.0%	7.9%	7.9%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	8.5	9.1	10.1	11.9	12.7	13.8	15.2
SSP2 - CEPAM Zero Migration	8.5	9.0	9.8	11.2	11.8	12.6	13.6
SSP2 - CEPAM Medium	8.5	9.0	9.7	11.1	11.7	12.5	13.6
SSP2 - CEPAM Double Migration	8.5	8.9	9.7	11.0	11.6	12.4	13.5
SSP3 - Stalled Development	8.5	8.7	9.1	9.6	9.7	9.7	9.7

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.44	1.42	1.40	1.43	1.43	1.43	1.44
SSP2 - CEPAM Zero Migration	1.51	1.57	1.64	1.71	1.71	1.71	1.71
SSP2 - CEPAM Medium	1.51	1.57	1.64	1.71	1.71	1.71	1.71
SSP2 - CEPAM Double Migration	1.51	1.57	1.64	1.71	1.71	1.71	1.71
SSP3 - Stalled Development	1.61	1.79	2.02	2.23	2.27	2.31	2.37
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	79.0	80.5	83.7	89.9	93.0	97.7	104.1
SSP2 - CEPAM Zero Migration	78.4	79.5	81.6	85.8	87.9	91.1	95.3
SSP2 - CEPAM Medium	78.4	79.5	81.6	85.8	87.9	91.1	95.3
SSP2 - CEPAM Double Migration	78.4	79.5	81.6	85.8	87.9	91.1	95.3
SSP3 - Stalled Development	77.9	78.4	79.4	81.4	82.3	83.7	85.7
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-19.2	-18.9	-18.0	-15.1	-13.4	-11.1	-8.2
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-19.2	-18.8	-17.9	-14.8	-13.2	-10.9	-8.3
SSP2 - CEPAM Double Migration	-38.4	-36.9	-33.5	-24.4	-20.0	-14.4	-8.8
SSP3 - Stalled Development	-12.8	-6.3	0.0	0.0	0.0	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	35.6	37.6	40.9	47.9	50.3	51.6	54.6
Proportion age 65+	10.0%	12.6%	18.6%	26.7%	30.6%	35.6%	37.8%
Proportion RLE < 15 years	5.4%	6.1%	8.7%	12.7%	14.0%	15.0%	16.0%

Mayotte

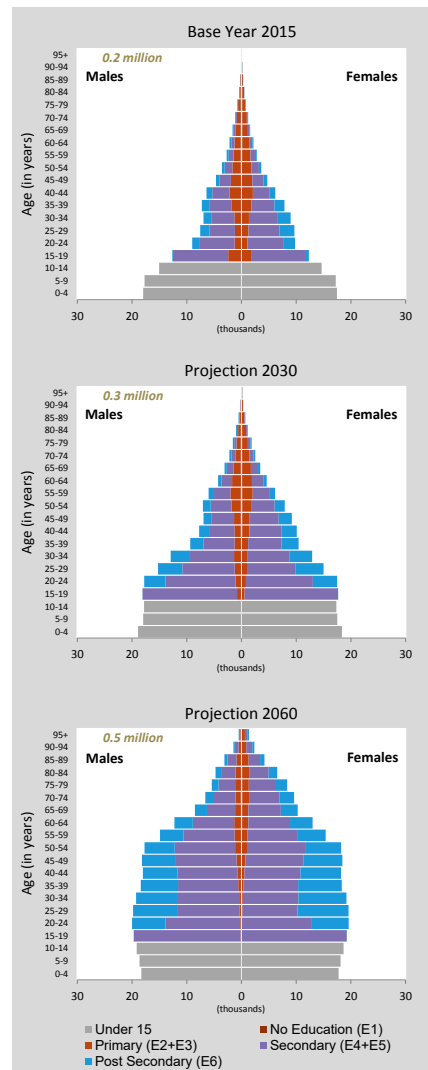
Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	0.24	0.27	0.34	0.42	0.48	0.54
Proportion age 65+	3.8%	4.2%	5.5%	7.8%	10.7%	13.5%
Proportion below age 20	52.1%	49.3%	41.8%	36.4%	32.1%	27.6%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	3.57	3.12	2.60	2.22	1.98	1.91
Life expectancy at birth (in years)						
Male	77.3	78.3	80.4	82.5	84.6	85.6
Female	83.7	84.7	86.7	88.8	90.8	92.8
Five-year net-migration flow (in thousands)	2.2	2.2	2.2	2.1	1.9	1.9

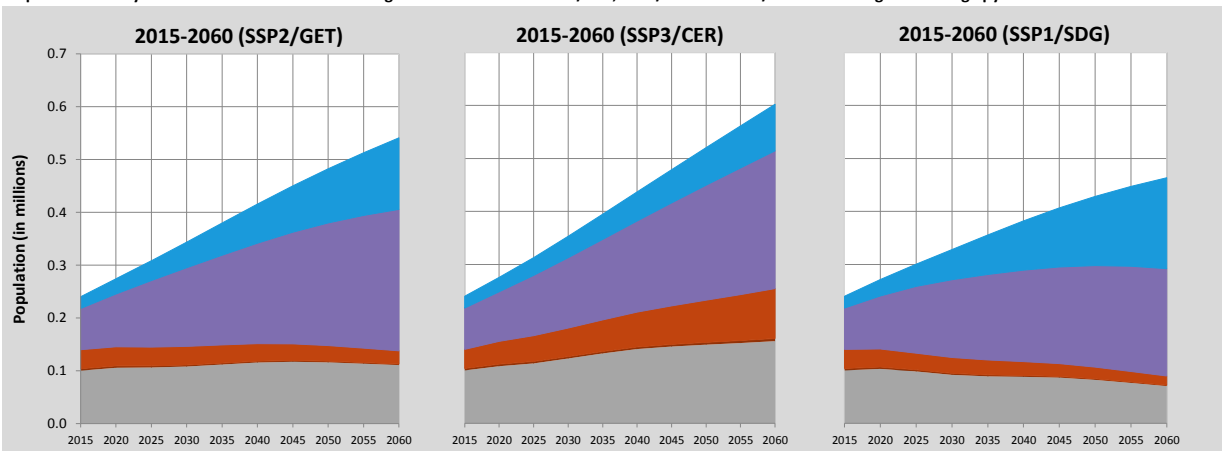
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	3.7%	3.0%	1.8%	1.2%	0.8%	0.6%
E2 - incomplete primary	6.8%	5.6%	3.5%	2.1%	1.4%	0.9%
E3 - primary	24.0%	21.3%	15.9%	11.5%	8.4%	6.0%
E4 - lower secondary	14.0%	14.1%	13.4%	12.0%	10.6%	9.1%
E5 - upper secondary	32.8%	35.5%	41.0%	45.0%	47.3%	48.6%
E6 - post-secondary	18.7%	20.5%	24.4%	28.2%	31.5%	34.8%
Mean years of schooling (in years)	9.5	9.9	10.7	11.3	11.7	12.0
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	1.10	1.01	0.85	0.73	0.67	0.62
E2 - incomplete primary	1.00	1.03	1.03	1.03	1.03	1.03
E3 - primary	1.02	1.03	1.01	1.01	1.01	1.03
E4 - lower secondary	0.90	0.93	0.96	0.98	0.98	0.99
E5 - upper secondary	1.08	1.07	1.08	1.09	1.09	1.09
E6 - post-secondary	0.90	0.89	0.89	0.89	0.89	0.89
Mean years of schooling (male minus female)	0.0	0.0	0.0	0.0	0.0	0.0
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	0.9%	0.8%	0.4%	0.2%	0.1%	0.1%
E2 - incomplete primary	1.9%	1.3%	0.7%	0.3%	0.2%	0.1%
E3 - primary	13.9%	11.0%	7.2%	4.5%	2.6%	1.4%
E4 - lower secondary	16.0%	14.6%	11.2%	8.7%	6.4%	4.4%
E5 - upper secondary	44.9%	48.1%	52.8%	54.2%	54.8%	54.1%
E6 - post-secondary	22.5%	24.1%	27.8%	32.1%	36.0%	39.9%
Mean years of schooling (in years)	11.1	11.4	11.9	12.2	12.5	12.7

Education scenarios
 SSP2/GET: Global Education Trend Scenario (Medium assumption)
 SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)
 SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

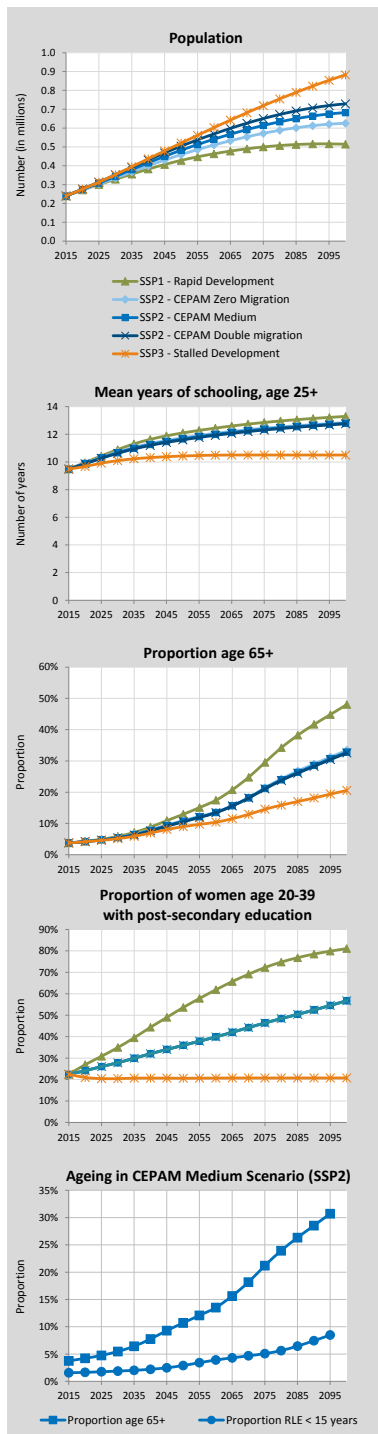
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Mayotte (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	0.24	0.27	0.33	0.43	0.46	0.50	0.51
SSP2 - CEPAM Zero Migration	0.24	0.27	0.33	0.46	0.51	0.57	0.63
SSP2 - CEPAM Medium	0.24	0.27	0.34	0.48	0.54	0.61	0.68
SSP2 - CEPAM Double Migration	0.24	0.28	0.35	0.50	0.57	0.65	0.73
SSP3 - Stalled Development	0.24	0.28	0.35	0.52	0.60	0.72	0.88
Proportion age 65+							
SSP1 - Rapid Development	3.8%	4.3%	5.9%	12.9%	17.4%	29.5%	48.0%
SSP2 - CEPAM Zero Migration	3.8%	4.2%	5.5%	10.9%	13.6%	21.4%	33.4%
SSP2 - CEPAM Medium	3.8%	4.2%	5.5%	10.7%	13.5%	21.2%	32.8%
SSP2 - CEPAM Double Migration	3.8%	4.2%	5.4%	10.5%	13.4%	21.1%	32.5%
SSP3 - Stalled Development	3.8%	4.2%	5.2%	9.0%	10.4%	14.5%	20.5%
Proportion below age 20							
SSP1 - Rapid Development	52.1%	48.8%	38.8%	26.1%	21.2%	16.0%	10.9%
SSP2 - CEPAM Zero Migration	52.1%	49.5%	41.9%	32.1%	27.6%	22.9%	17.9%
SSP2 - CEPAM Medium	52.1%	49.3%	41.8%	32.1%	27.6%	23.1%	18.2%
SSP2 - CEPAM Double Migration	52.1%	49.2%	41.7%	32.1%	27.7%	23.2%	18.4%
SSP3 - Stalled Development	52.1%	49.9%	44.7%	37.6%	34.0%	30.4%	26.6%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	22.5%	27.0%	35.0%	53.6%	61.9%	72.3%	81.1%
SSP2 - CEPAM Zero Migration	22.5%	24.2%	27.9%	36.0%	40.0%	46.5%	56.8%
SSP2 - CEPAM Medium	22.5%	24.1%	27.8%	36.0%	39.9%	46.4%	56.7%
SSP2 - CEPAM Double Migration	22.5%	24.1%	27.8%	36.0%	39.9%	46.4%	56.7%
SSP3 - Stalled Development	22.5%	21.0%	20.5%	20.6%	20.7%	20.7%	20.8%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	9.5	10.0	10.9	12.1	12.4	12.9	13.3
SSP2 - CEPAM Zero Migration	9.5	9.9	10.7	11.7	12.1	12.4	12.8
SSP2 - CEPAM Medium	9.5	9.9	10.7	11.7	12.0	12.4	12.8
SSP2 - CEPAM Double Migration	9.5	9.9	10.6	11.6	11.9	12.3	12.8
SSP3 - Stalled Development	9.5	9.7	10.1	10.4	10.5	10.5	10.5

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	3.30	2.65	1.99	1.46	1.36	1.28	1.24
SSP2 - CEPAM Zero Migration	3.56	3.11	2.60	1.98	1.85	1.74	1.67
SSP2 - CEPAM Medium	3.57	3.12	2.60	1.98	1.85	1.74	1.67
SSP2 - CEPAM Double Migration	3.57	3.12	2.60	1.98	1.85	1.74	1.67
SSP3 - Stalled Development	3.84	3.60	3.24	2.56	2.39	2.28	2.22
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	84.2	85.7	88.7	94.8	97.8	102.3	108.4
SSP2 - CEPAM Zero Migration	83.7	84.7	86.7	90.8	92.8	95.9	99.9
SSP2 - CEPAM Medium	83.7	84.7	86.7	90.8	92.8	95.9	99.9
SSP2 - CEPAM Double Migration	83.7	84.7	86.7	90.8	92.8	95.8	99.9
SSP3 - Stalled Development	83.2	83.7	84.7	86.7	87.6	88.9	90.7
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	2.2	2.2	2.2	1.9	1.7	1.4	1.0
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	2.2	2.2	2.2	1.9	1.8	1.5	1.1
SSP2 - CEPAM Double Migration	4.4	4.3	4.1	3.5	3.0	2.3	1.5
SSP3 - Stalled Development	1.5	0.8	0.0	0.0	0.0	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	19.0	20.4	24.0	31.7	35.5	41.2	48.6
Proportion age 65+	3.8%	4.2%	5.5%	10.7%	13.5%	21.2%	30.7%
Proportion RLE < 15 years	1.4%	1.4%	1.7%	2.6%	3.7%	5.4%	7.9%

Mexico

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	125.89	133.20	145.81	155.26	161.33	163.50
Proportion age 65+	6.5%	7.6%	10.3%	14.8%	19.3%	23.6%
Proportion below age 20	36.8%	34.4%	30.6%	27.2%	24.5%	22.2%
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	2.20	2.11	1.97	1.89	1.83	1.72
Life expectancy at birth (in years)						
Male	75.0	76.1	78.4	80.6	82.8	83.9
Female	79.8	80.9	83.1	85.3	87.5	89.6
Five-year net-migration flow (in thousands)	-1220.1	-1289.6	-1406.5	-1489.0	-1535.7	-1546.1

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	7.2%	5.8%	3.6%	2.3%	1.4%	0.9%
E2 - incomplete primary	13.4%	11.5%	8.2%	5.8%	4.0%	2.6%
E3 - primary	20.6%	19.6%	17.1%	14.5%	11.8%	9.4%
E4 - lower secondary	28.0%	29.3%	31.1%	31.7%	31.1%	29.6%
E5 - upper secondary	14.8%	16.3%	19.3%	22.0%	24.5%	26.8%
E6 - post-secondary	16.0%	17.5%	20.6%	23.7%	27.1%	30.6%
Mean years of schooling (in years)	8.6	9.0	9.7	10.4	10.9	11.4
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.72	0.71	0.69	0.68	0.69	0.70
E2 - incomplete primary	0.94	0.93	0.90	0.88	0.86	0.86
E3 - primary	0.97	0.97	0.96	0.96	0.95	0.94
E4 - lower secondary	1.00	1.00	1.01	1.02	1.03	1.05
E5 - upper secondary	1.18	1.16	1.14	1.15	1.15	1.15
E6 - post-secondary	1.09	1.05	0.99	0.94	0.91	0.88
Mean years of schooling (male minus female)	0.2	0.2	0.1	0.1	0.0	0.0
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	2.1%	1.5%	0.6%	0.3%	0.1%	0.0%
E2 - incomplete primary	5.8%	4.2%	2.1%	1.0%	0.5%	0.2%
E3 - primary	16.7%	14.4%	10.4%	6.8%	4.2%	2.5%
E4 - lower secondary	33.9%	33.6%	32.9%	30.2%	26.1%	21.2%
E5 - upper secondary	23.6%	25.7%	28.7%	31.8%	34.5%	36.8%
E6 - post-secondary	17.9%	20.5%	25.3%	29.9%	34.5%	39.2%
Mean years of schooling (in years)	10.1	10.5	11.2	11.8	12.3	12.7

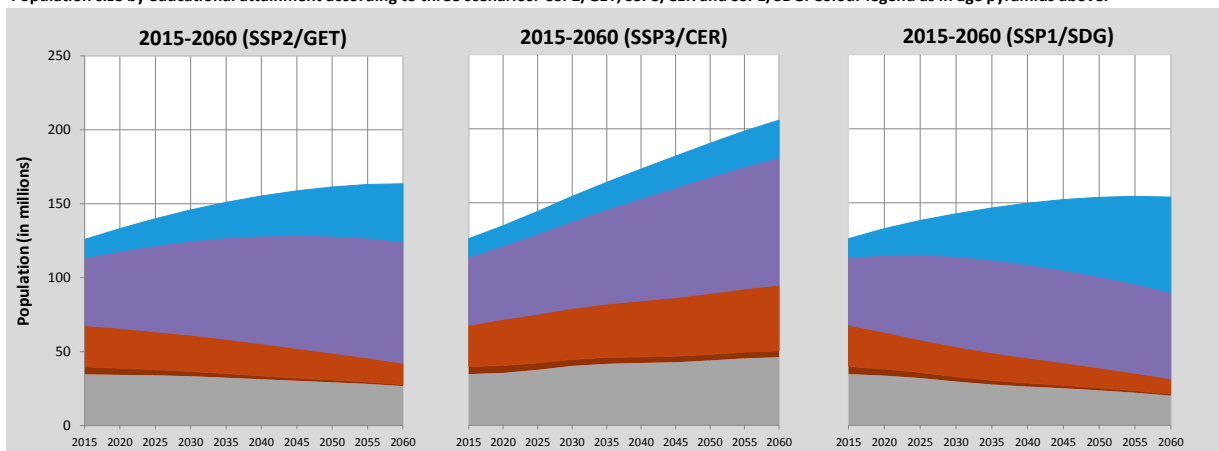
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

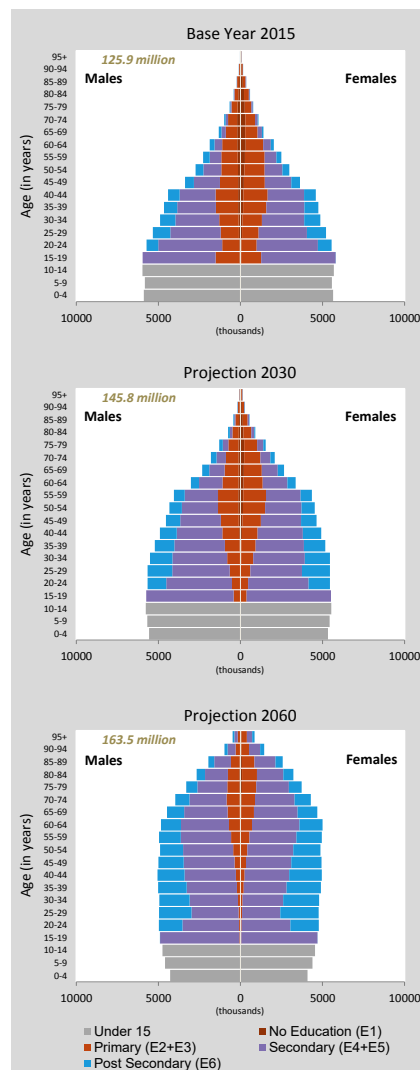
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

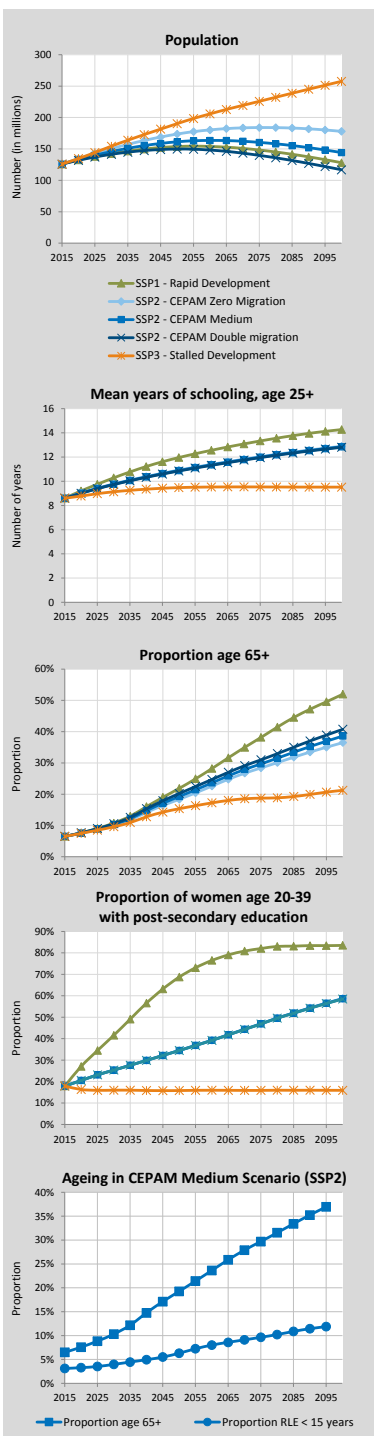
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



Mexico (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)

	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	125.89	132.64	142.66	153.78	153.90	148.27	128.09
SSP2 - CEPAM Zero Migration	125.89	134.51	150.30	173.66	180.29	184.03	177.96
SSP2 - CEPAM Medium	125.89	133.20	145.81	161.33	163.50	160.44	144.24
SSP2 - CEPAM Double Migration	125.89	131.89	141.42	149.80	148.18	139.75	116.82
SSP3 - Stalled Development	125.89	134.64	154.41	190.22	205.80	225.78	257.67
Proportion age 65+							
SSP1 - Rapid Development	6.5%	7.6%	10.8%	21.9%	28.2%	38.2%	52.0%
SSP2 - CEPAM Zero Migration	6.5%	7.5%	10.1%	18.4%	22.6%	28.4%	36.5%
SSP2 - CEPAM Medium	6.5%	7.6%	10.3%	19.3%	23.6%	29.7%	38.6%
SSP2 - CEPAM Double Migration	6.5%	7.6%	10.6%	20.2%	24.7%	31.0%	40.8%
SSP3 - Stalled Development	6.5%	7.5%	9.6%	15.4%	17.2%	18.7%	21.3%
Proportion below age 20							
SSP1 - Rapid Development	36.8%	34.0%	28.6%	21.0%	18.1%	14.5%	10.7%
SSP2 - CEPAM Zero Migration	36.8%	34.3%	30.4%	24.4%	22.2%	19.3%	16.2%
SSP2 - CEPAM Medium	36.8%	34.4%	30.6%	24.5%	22.2%	19.1%	15.8%
SSP2 - CEPAM Double Migration	36.8%	34.5%	30.7%	24.5%	22.1%	18.9%	15.3%
SSP3 - Stalled Development	36.8%	34.9%	33.3%	30.3%	29.4%	27.7%	26.4%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	17.9%	27.1%	41.6%	68.7%	76.5%	82.0%	83.5%
SSP2 - CEPAM Zero Migration	17.9%	20.5%	25.4%	34.5%	39.3%	47.0%	58.8%
SSP2 - CEPAM Medium	17.9%	20.5%	25.3%	34.5%	39.2%	46.9%	58.6%
SSP2 - CEPAM Double Migration	17.9%	20.5%	25.3%	34.5%	39.2%	46.9%	58.5%
SSP3 - Stalled Development	17.9%	16.3%	16.0%	15.8%	15.9%	15.9%	15.9%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	8.6	9.2	10.3	12.0	12.6	13.3	14.3
SSP2 - CEPAM Zero Migration	8.6	9.0	9.8	10.9	11.4	12.0	12.9
SSP2 - CEPAM Medium	8.6	9.0	9.7	10.9	11.4	12.0	12.8
SSP2 - CEPAM Double Migration	8.6	9.0	9.7	10.8	11.3	12.0	12.8
SSP3 - Stalled Development	8.6	8.8	9.1	9.5	9.5	9.5	9.5

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	2.07	1.85	1.66	1.57	1.48	1.40	1.36
SSP2 - CEPAM Zero Migration	2.20	2.11	1.97	1.83	1.74	1.64	1.58
SSP2 - CEPAM Medium	2.20	2.11	1.97	1.83	1.74	1.64	1.58
SSP2 - CEPAM Double Migration	2.20	2.11	1.97	1.83	1.74	1.64	1.58
SSP3 - Stalled Development	2.41	2.52	2.54	2.38	2.31	2.26	2.25
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	80.3	82.0	85.2	91.6	94.8	99.6	106.2
SSP2 - CEPAM Zero Migration	79.8	80.9	83.1	87.5	89.6	92.9	97.3
SSP2 - CEPAM Medium	79.8	80.9	83.1	87.5	89.6	92.9	97.3
SSP2 - CEPAM Double Migration	79.8	80.9	83.1	87.5	89.6	92.9	97.3
SSP3 - Stalled Development	79.2	79.8	80.9	83.0	84.1	85.6	87.7
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-1221.2	-1286.0	-1380.6	-1476.6	-1469.7	-1401.7	-1241.7
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-1220.1	-1289.6	-1406.5	-1535.7	-1544.1	-1497.0	-1363.4
SSP2 - CEPAM Double Migration	-2440.2	-2551.5	-2720.3	-2828.4	-2765.9	-2561.0	-2179.4
SSP3 - Stalled Development	-813.5	-435.0	-1.5	-1.8	-2.0	-2.1	-2.4

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	27.5	29.2	32.8	39.8	43.2	47.9	53.7
Proportion age 65+	6.5%	7.6%	10.3%	19.3%	23.6%	29.7%	36.9%
Proportion RLE < 15 years	3.1%	3.3%	3.8%	6.1%	8.0%	9.7%	12.1%

Micronesia

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	0.10	0.11	0.11	0.12	0.11	0.11
Proportion age 65+	4.4%	5.5%	7.0%	6.6%	8.8%	14.9%
Proportion below age 20	46.5%	42.8%	38.5%	34.9%	29.5%	26.0%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	2.94	2.62	2.28	2.04	1.88	1.83
Life expectancy at birth (in years)						
Male	68.2	69.2	71.1	73.1	75.1	76.1
Female	70.6	71.7	73.8	75.9	78.1	80.2
Five-year net-migration flow (in thousands)	-5.1	-5.3	-5.5	-5.5	-5.4	-5.3

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	6.9%	6.4%	5.4%	4.6%	3.7%	2.9%
E2 - incomplete primary	4.7%	3.9%	2.8%	2.2%	1.6%	1.2%
E3 - primary	24.6%	24.1%	22.8%	21.2%	19.2%	16.9%
E4 - lower secondary	22.5%	23.6%	25.0%	25.8%	25.8%	25.4%
E5 - upper secondary	27.8%	29.3%	32.5%	35.4%	38.7%	42.2%
E6 - post-secondary	13.7%	12.8%	11.6%	10.9%	10.9%	11.4%
Mean years of schooling (in years)	8.9	9.0	9.2	9.3	9.6	9.9
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.98	0.99	0.99	0.99	1.00	1.00
E2 - incomplete primary	0.95	0.98	1.03	1.09	1.13	1.16
E3 - primary	1.00	0.99	0.98	0.98	0.98	0.98
E4 - lower secondary	1.02	1.03	1.04	1.05	1.08	1.10
E5 - upper secondary	1.01	1.00	1.00	0.98	0.97	0.96
E6 - post-secondary	0.97	0.97	0.96	0.96	0.96	0.95
Mean years of schooling (male minus female)	0.0	0.0	0.0	0.0	0.0	-0.1
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	6.4%	5.6%	3.9%	2.6%	1.6%	0.9%
E2 - incomplete primary	3.0%	2.5%	1.6%	1.0%	0.5%	0.3%
E3 - primary	25.6%	23.8%	20.6%	17.2%	13.7%	10.7%
E4 - lower secondary	25.4%	25.8%	26.5%	26.3%	25.2%	23.5%
E5 - upper secondary	32.8%	34.5%	38.4%	43.3%	48.3%	52.7%
E6 - post-secondary	6.7%	7.8%	9.0%	9.6%	10.7%	11.9%
Mean years of schooling (in years)	8.8	9.0	9.5	9.9	10.4	10.7

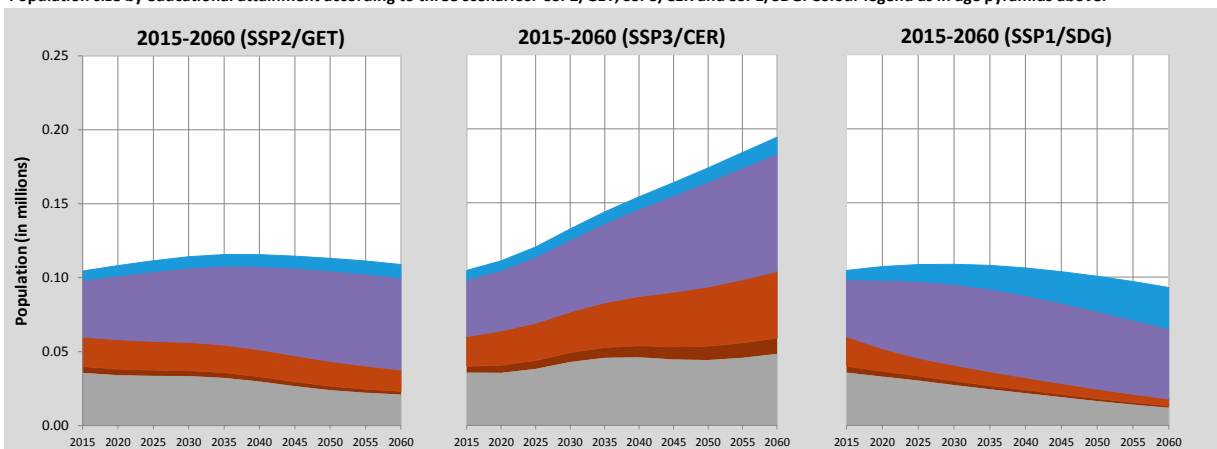
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

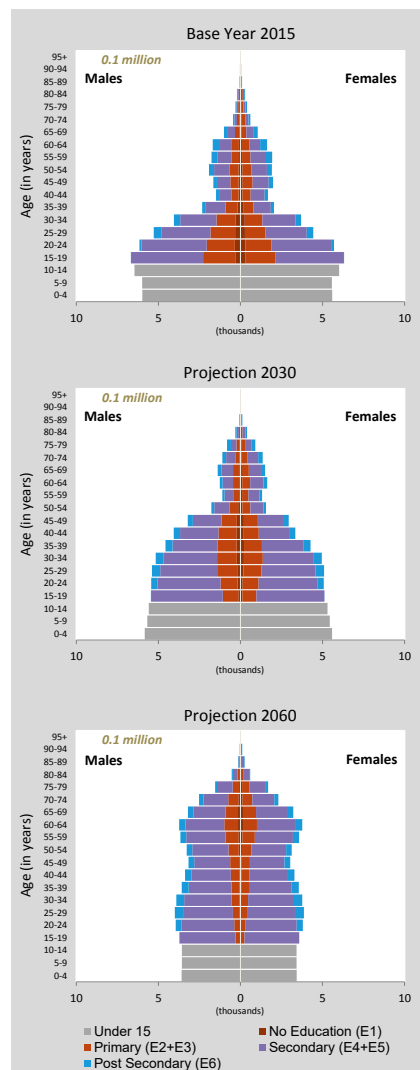
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

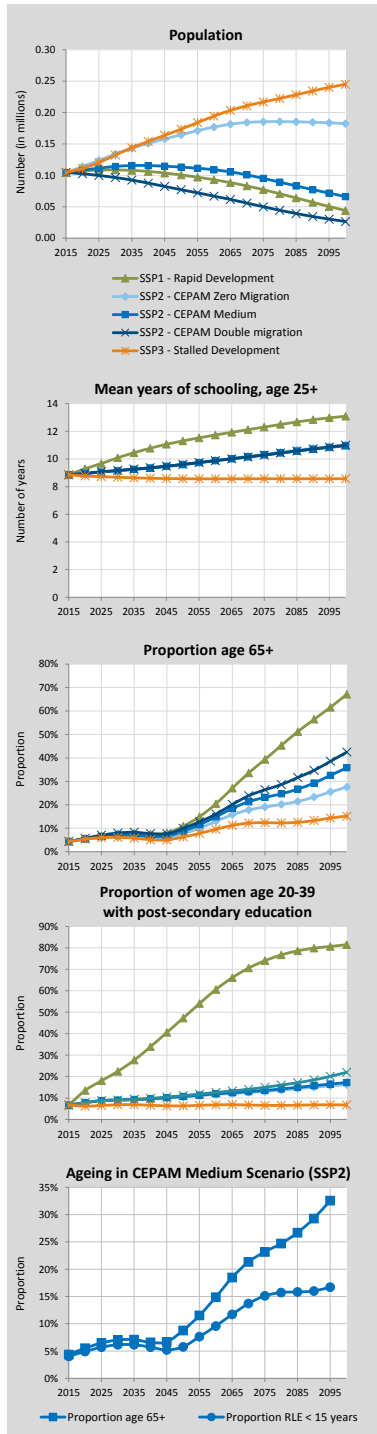
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



Micronesia (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)

	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	0.10	0.11	0.11	0.10	0.09	0.08	0.04
SSP2 - CEPAM Zero Migration	0.10	0.11	0.13	0.16	0.18	0.19	0.18
SSP2 - CEPAM Medium	0.10	0.11	0.11	0.11	0.11	0.10	0.07
SSP2 - CEPAM Double Migration	0.10	0.10	0.10	0.08	0.07	0.05	0.03
SSP3 - Stalled Development	0.10	0.11	0.13	0.17	0.19	0.22	0.25
Proportion age 65+							
SSP1 - Rapid Development	4.4%	5.6%	7.6%	10.9%	20.4%	39.4%	67.1%
SSP2 - CEPAM Zero Migration	4.4%	5.3%	6.3%	7.7%	12.9%	19.1%	27.5%
SSP2 - CEPAM Medium	4.4%	5.5%	7.0%	8.8%	14.9%	23.2%	35.8%
SSP2 - CEPAM Double Migration	4.4%	5.7%	8.0%	10.0%	16.0%	26.4%	42.5%
SSP3 - Stalled Development	4.4%	5.4%	6.1%	6.3%	9.6%	12.4%	15.2%
Proportion below age 20							
SSP1 - Rapid Development	46.5%	42.2%	34.8%	23.1%	18.2%	12.6%	5.6%
SSP2 - CEPAM Zero Migration	46.5%	41.9%	37.6%	28.9%	25.8%	23.1%	19.0%
SSP2 - CEPAM Medium	46.5%	42.8%	38.5%	29.5%	26.0%	22.6%	17.4%
SSP2 - CEPAM Double Migration	46.5%	43.8%	39.6%	30.8%	26.8%	22.5%	16.1%
SSP3 - Stalled Development	46.5%	43.0%	40.6%	34.3%	32.2%	30.6%	28.4%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	6.7%	13.5%	22.4%	47.3%	60.6%	74.1%	81.5%
SSP2 - CEPAM Zero Migration	6.7%	7.8%	8.9%	10.5%	11.7%	13.1%	16.2%
SSP2 - CEPAM Medium	6.7%	7.8%	9.0%	10.7%	11.9%	13.5%	17.2%
SSP2 - CEPAM Double Migration	6.7%	7.8%	9.1%	11.1%	12.6%	15.0%	22.0%
SSP3 - Stalled Development	6.7%	6.2%	6.8%	6.3%	6.8%	6.6%	6.8%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	8.9	9.3	10.1	11.3	11.7	12.3	13.1
SSP2 - CEPAM Zero Migration	8.9	8.9	9.1	9.6	9.9	10.3	11.0
SSP2 - CEPAM Medium	8.9	9.0	9.2	9.6	9.9	10.3	10.9
SSP2 - CEPAM Double Migration	8.9	9.0	9.2	9.6	9.9	10.3	11.0
SSP3 - Stalled Development	8.9	8.8	8.7	8.6	8.6	8.6	8.6

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	2.67	2.14	1.66	1.32	1.25	1.18	1.09
SSP2 - CEPAM Zero Migration	2.94	2.62	2.28	1.88	1.78	1.67	1.56
SSP2 - CEPAM Medium	2.94	2.62	2.28	1.88	1.78	1.67	1.56
SSP2 - CEPAM Double Migration	2.94	2.62	2.28	1.88	1.78	1.67	1.56
SSP3 - Stalled Development	3.18	3.06	2.87	2.48	2.36	2.26	2.18
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	71.1	72.8	76.1	82.2	85.3	89.8	95.0
SSP2 - CEPAM Zero Migration	70.6	71.7	73.8	78.1	80.3	83.4	87.7
SSP2 - CEPAM Medium	70.6	71.7	73.8	78.1	80.2	83.4	87.5
SSP2 - CEPAM Double Migration	70.6	71.7	73.8	78.1	80.2	83.2	86.8
SSP3 - Stalled Development	70.0	70.5	71.5	73.6	74.7	76.2	78.4
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-5.1	-5.2	-5.2	-4.8	-4.4	-3.5	-2.0
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-5.1	-5.3	-5.5	-5.4	-5.1	-4.3	-3.1
SSP2 - CEPAM Double Migration	-10.2	-9.9	-9.2	-7.0	-5.9	-4.0	-2.0
SSP3 - Stalled Development	-3.4	-1.8	0.0	0.0	0.0	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	21.5	23.1	26.2	32.8	37.0	43.9	51.2
Proportion age 65+	4.4%	5.5%	7.0%	8.8%	14.9%	23.2%	32.6%
Proportion RLE < 15 years	4.1%	4.8%	6.3%	5.6%	8.6%	14.8%	16.5%

Moldova

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	4.07	4.03	3.91	3.69	3.47	3.26
Proportion age 65+	9.9%	12.5%	17.0%	18.6%	23.1%	30.5%
Proportion below age 20	21.7%	21.2%	20.9%	18.6%	17.5%	17.7%
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	1.35	1.40	1.46	1.50	1.52	1.52
Life expectancy at birth (in years)						
Male	67.4	68.6	70.9	73.1	75.4	76.6
Female	75.9	76.9	78.8	80.7	82.6	84.5
Five-year net-migration flow (in thousands)	-22.0	-19.0	-12.6	-5.3	1.0	3.7

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	0.2%	0.3%	0.4%	0.5%	0.6%	0.6%
E2 - incomplete primary	1.5%	0.9%	0.5%	0.4%	0.4%	0.4%
E3 - primary	6.3%	4.2%	2.1%	1.3%	1.1%	0.9%
E4 - lower secondary	24.3%	22.6%	19.6%	16.3%	12.9%	9.9%
E5 - upper secondary	52.8%	56.2%	60.2%	62.5%	63.7%	64.1%
E6 - post-secondary	14.9%	15.8%	17.2%	19.0%	21.4%	24.1%
Mean years of schooling (in years)	10.6	10.8	11.1	11.3	11.4	11.6
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.42	0.58	0.66	0.63	0.58	0.54
E2 - incomplete primary	0.38	0.45	0.72	0.83	0.79	0.74
E3 - primary	0.61	0.57	0.66	0.85	0.88	0.82
E4 - lower secondary	1.25	1.26	1.28	1.32	1.36	1.38
E5 - upper secondary	1.03	1.02	1.02	1.03	1.06	1.11
E6 - post-secondary	0.84	0.81	0.76	0.73	0.70	0.68
Mean years of schooling (male minus female)	0.1	0.0	-0.1	-0.1	-0.1	-0.2
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	0.1%	0.3%	0.4%	0.3%	0.3%	0.2%
E2 - incomplete primary	0.3%	0.3%	0.2%	0.2%	0.1%	0.1%
E3 - primary	1.3%	0.9%	0.5%	0.4%	0.4%	0.4%
E4 - lower secondary	21.7%	16.9%	9.9%	5.9%	3.7%	2.4%
E5 - upper secondary	60.2%	63.9%	69.5%	70.3%	68.9%	66.5%
E6 - post-secondary	16.4%	17.6%	19.6%	22.8%	26.6%	30.4%
Mean years of schooling (in years)	11.3	11.5	11.7	12.0	12.2	12.4

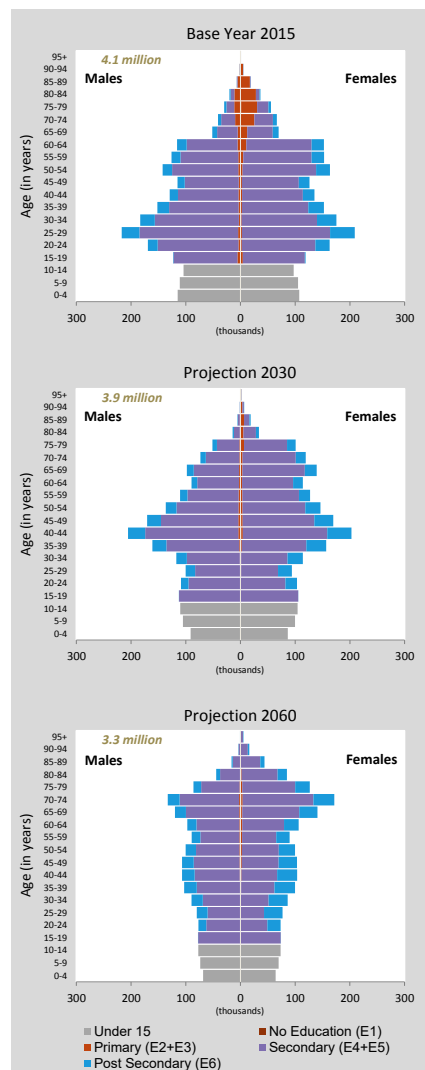
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

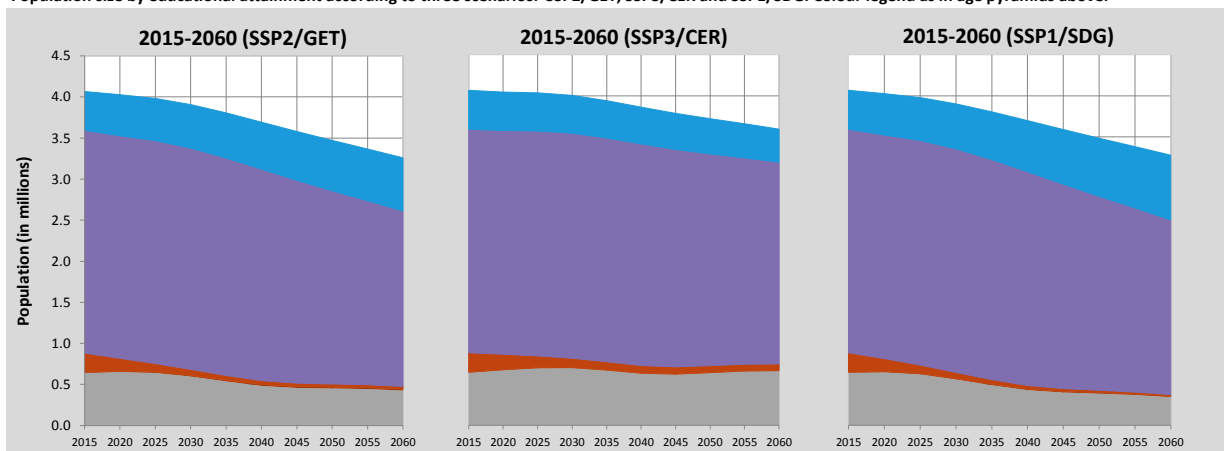
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

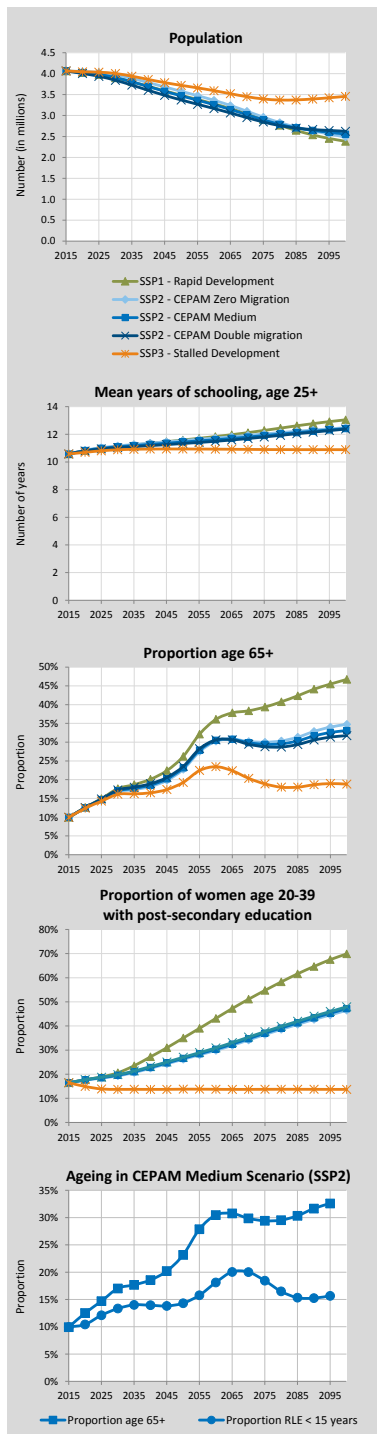
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Moldova (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	4.07	4.03	3.90	3.48	3.28	2.91	2.38
SSP2 - CEPAM Zero Migration	4.07	4.05	3.97	3.58	3.36	2.96	2.49
SSP2 - CEPAM Medium	4.07	4.03	3.91	3.47	3.26	2.90	2.56
SSP2 - CEPAM Double Migration	4.07	4.00	3.84	3.37	3.17	2.85	2.62
SSP3 - Stalled Development	4.07	4.04	4.00	3.72	3.59	3.40	3.46
Proportion age 65+							
SSP1 - Rapid Development	9.9%	12.6%	17.6%	26.2%	36.1%	39.4%	46.7%
SSP2 - CEPAM Zero Migration	9.9%	12.4%	16.8%	22.7%	30.2%	30.0%	34.8%
SSP2 - CEPAM Medium	9.9%	12.5%	17.0%	23.1%	30.5%	29.4%	33.1%
SSP2 - CEPAM Double Migration	9.9%	12.6%	17.3%	23.5%	30.6%	28.8%	31.7%
SSP3 - Stalled Development	9.9%	12.4%	16.1%	19.3%	23.5%	18.9%	18.8%
Proportion below age 20							
SSP1 - Rapid Development	21.7%	21.0%	19.9%	15.0%	14.4%	12.8%	11.9%
SSP2 - CEPAM Zero Migration	21.7%	21.2%	20.9%	17.6%	17.7%	16.8%	16.2%
SSP2 - CEPAM Medium	21.7%	21.2%	20.9%	17.5%	17.7%	17.1%	16.9%
SSP2 - CEPAM Double Migration	21.7%	21.2%	20.8%	17.4%	17.8%	17.3%	17.5%
SSP3 - Stalled Development	21.7%	21.5%	22.8%	22.5%	24.3%	25.2%	26.5%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	16.4%	17.8%	20.6%	35.0%	43.1%	54.7%	69.9%
SSP2 - CEPAM Zero Migration	16.4%	17.5%	19.3%	26.2%	29.9%	36.5%	46.5%
SSP2 - CEPAM Medium	16.4%	17.6%	19.6%	26.6%	30.4%	37.0%	47.2%
SSP2 - CEPAM Double Migration	16.4%	17.7%	19.8%	27.0%	30.9%	37.7%	47.9%
SSP3 - Stalled Development	16.4%	14.9%	13.7%	13.8%	13.7%	13.7%	13.7%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	10.6	10.8	11.1	11.6	11.8	12.3	13.0
SSP2 - CEPAM Zero Migration	10.6	10.8	11.2	11.6	11.7	12.0	12.5
SSP2 - CEPAM Medium	10.6	10.8	11.1	11.4	11.6	11.9	12.4
SSP2 - CEPAM Double Migration	10.6	10.8	11.0	11.3	11.5	11.8	12.4
SSP3 - Stalled Development	10.6	10.7	10.9	10.9	10.9	10.9	10.9

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.30	1.31	1.29	1.32	1.33	1.34	1.37
SSP2 - CEPAM Zero Migration	1.35	1.40	1.46	1.52	1.53	1.55	1.58
SSP2 - CEPAM Medium	1.35	1.40	1.46	1.52	1.53	1.55	1.58
SSP2 - CEPAM Double Migration	1.34	1.40	1.46	1.52	1.53	1.55	1.58
SSP3 - Stalled Development	1.45	1.65	1.86	2.03	2.07	2.13	2.22
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	76.4	77.9	80.8	86.6	89.5	93.8	99.7
SSP2 - CEPAM Zero Migration	75.9	76.9	78.8	82.6	84.5	87.4	91.2
SSP2 - CEPAM Medium	75.9	76.9	78.8	82.6	84.5	87.3	91.1
SSP2 - CEPAM Double Migration	75.9	76.9	78.8	82.5	84.4	87.2	91.0
SSP3 - Stalled Development	75.4	75.8	76.7	78.4	79.3	80.6	82.3
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-22.0	-19.3	-14.1	-3.5	0.1	5.5	7.8
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-22.0	-19.0	-12.6	1.0	6.4	13.5	16.5
SSP2 - CEPAM Double Migration	-44.0	-37.5	-23.9	3.5	13.5	25.9	28.7
SSP3 - Stalled Development	-14.6	-6.3	0.0	0.0	0.0	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	35.6	37.5	42.2	48.3	48.7	50.2	50.6
Proportion age 65+	9.9%	12.5%	17.0%	23.1%	30.5%	29.4%	32.6%
Proportion RLE < 15 years	9.2%	9.0%	13.0%	14.6%	17.4%	20.1%	15.5%

Mongolia

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	2.98	3.19	3.50	3.69	3.85	3.93
Proportion age 65+	3.9%	4.4%	7.3%	10.5%	13.7%	17.3%
Proportion below age 20	36.5%	36.8%	35.4%	28.9%	27.2%	26.3%
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	2.55	2.35	2.12	1.95	1.84	1.79
Life expectancy at birth (in years)						
Male	65.5	66.5	68.5	70.6	72.6	73.6
Female	73.8	74.6	76.4	78.1	79.9	81.6
Five-year net-migration flow (in thousands)	-16.5	-17.7	-19.2	-20.1	-20.9	-21.1

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	1.8%	1.5%	1.2%	0.9%	0.6%	0.4%
E2 - incomplete primary	1.9%	1.5%	1.0%	0.6%	0.4%	0.2%
E3 - primary	8.8%	7.4%	5.1%	3.3%	2.1%	1.3%
E4 - lower secondary	16.5%	15.8%	14.5%	11.6%	8.8%	6.4%
E5 - upper secondary	44.3%	44.7%	45.2%	44.1%	41.9%	39.2%
E6 - post-secondary	26.8%	29.1%	33.1%	39.5%	46.2%	52.4%
Mean years of schooling (in years)	10.1	10.5	11.3	12.1	12.9	13.5
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	1.36	1.43	1.53	1.52	1.51	1.47
E2 - incomplete primary	1.08	1.20	1.45	1.60	1.66	1.70
E3 - primary	1.22	1.32	1.48	1.59	1.60	1.56
E4 - lower secondary	1.44	1.47	1.51	1.57	1.62	1.67
E5 - upper secondary	1.01	1.03	1.10	1.22	1.36	1.50
E6 - post-secondary	0.72	0.69	0.67	0.66	0.66	0.68
Mean years of schooling (male minus female)	-0.3	-0.4	-0.4	-0.4	-0.4	-0.4
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	2.1%	1.5%	0.6%	0.2%	0.1%	0.0%
E2 - incomplete primary	1.3%	0.9%	0.2%	0.0%	0.0%	0.0%
E3 - primary	6.6%	4.8%	1.2%	0.3%	0.1%	0.0%
E4 - lower secondary	13.4%	11.9%	9.0%	4.9%	2.6%	1.1%
E5 - upper secondary	44.3%	45.0%	49.0%	46.2%	41.1%	36.3%
E6 - post-secondary	32.2%	35.9%	39.9%	48.3%	56.0%	62.6%
Mean years of schooling (in years)	11.6	12.4	13.6	14.3	14.7	14.9

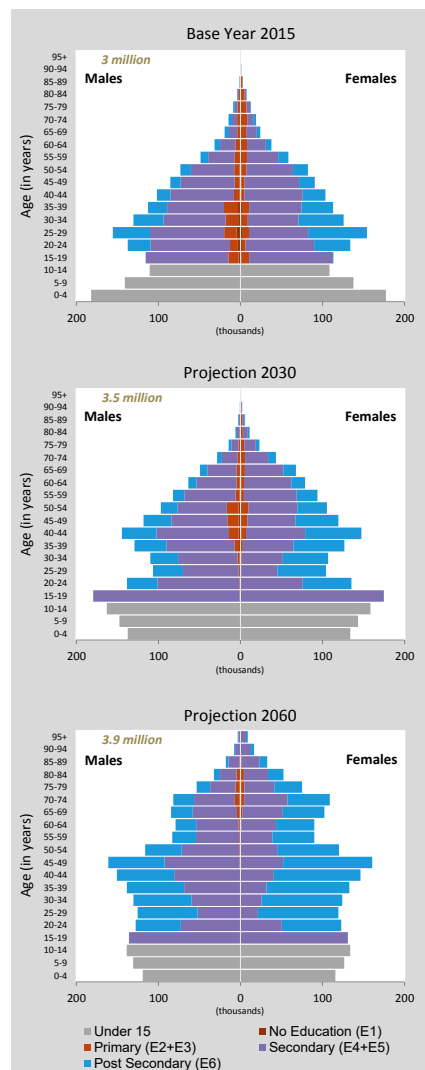
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

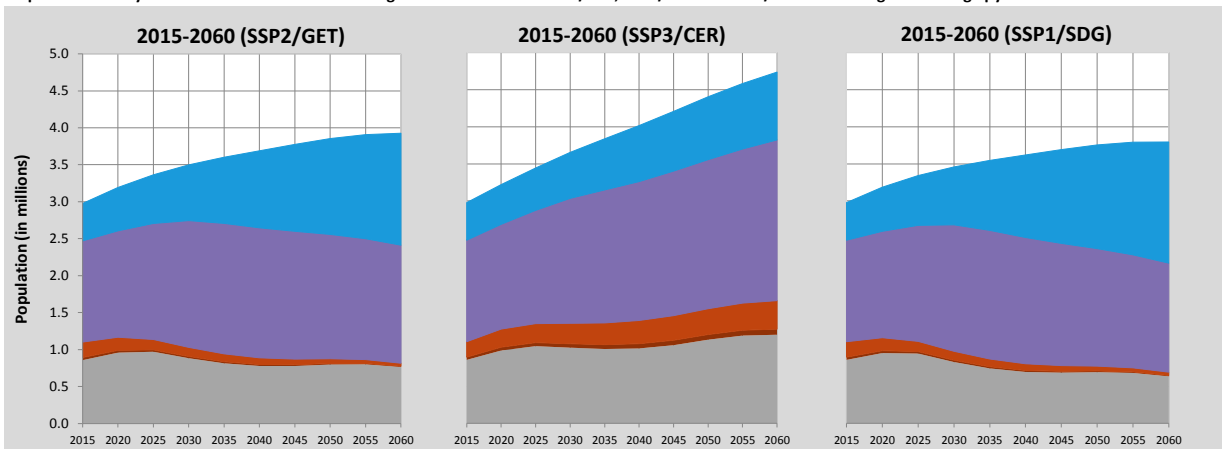
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

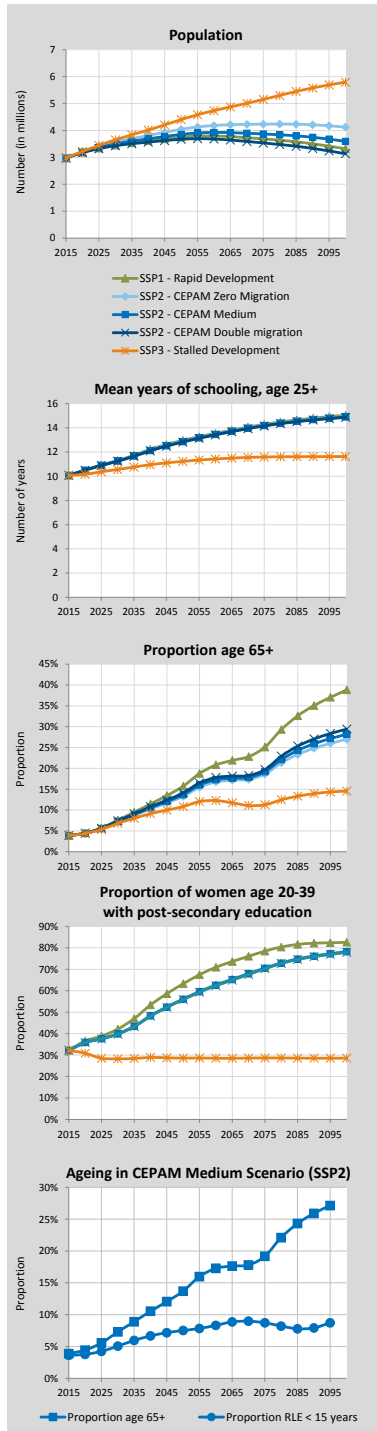
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Mongolia (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)	2015 2020 2030 2050 2060 2075 2100						
	Population (in millions)						
SSP1 - Rapid Development	2.98	3.19	3.46	3.75	3.79	3.69	3.32
SSP2 - CEPAM Zero Migration	2.98	3.21	3.57	4.04	4.19	4.23	4.12
SSP2 - CEPAM Medium	2.98	3.19	3.50	3.85	3.93	3.87	3.60
SSP2 - CEPAM Double Migration	2.98	3.17	3.43	3.67	3.68	3.54	3.14
SSP3 - Stalled Development	2.98	3.22	3.65	4.40	4.74	5.15	5.80
Proportion age 65+							
SSP1 - Rapid Development	3.9%	4.5%	7.6%	15.7%	20.8%	25.1%	38.8%
SSP2 - CEPAM Zero Migration	3.9%	4.4%	7.2%	13.3%	16.7%	18.6%	27.0%
SSP2 - CEPAM Medium	3.9%	4.4%	7.3%	13.7%	17.3%	19.2%	28.2%
SSP2 - CEPAM Double Migration	3.9%	4.4%	7.4%	14.1%	17.8%	19.7%	29.4%
SSP3 - Stalled Development	3.9%	4.4%	6.8%	10.8%	12.3%	11.3%	14.5%
Proportion below age 20							
SSP1 - Rapid Development	36.5%	36.6%	34.2%	24.4%	22.8%	18.0%	14.2%
SSP2 - CEPAM Zero Migration	36.5%	36.8%	35.3%	27.4%	26.4%	22.5%	19.4%
SSP2 - CEPAM Medium	36.5%	36.8%	35.4%	27.2%	26.3%	22.1%	18.9%
SSP2 - CEPAM Double Migration	36.5%	36.9%	35.4%	27.0%	26.1%	21.6%	18.3%
SSP3 - Stalled Development	36.5%	37.3%	37.7%	33.1%	33.2%	30.6%	28.5%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	32.2%	36.6%	42.1%	63.3%	71.0%	78.5%	82.6%
SSP2 - CEPAM Zero Migration	32.2%	35.9%	40.0%	56.2%	62.8%	70.7%	78.4%
SSP2 - CEPAM Medium	32.2%	35.9%	39.9%	56.0%	62.6%	70.5%	78.2%
SSP2 - CEPAM Double Migration	32.2%	35.8%	39.8%	55.9%	62.4%	70.3%	77.9%
SSP3 - Stalled Development	32.2%	30.9%	28.3%	28.6%	28.6%	28.7%	28.6%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	10.1	10.5	11.3	13.0	13.5	14.3	15.0
SSP2 - CEPAM Zero Migration	10.1	10.5	11.3	12.9	13.5	14.2	14.9
SSP2 - CEPAM Medium	10.1	10.5	11.3	12.9	13.5	14.2	14.9
SSP2 - CEPAM Double Migration	10.1	10.5	11.2	12.8	13.4	14.2	14.9
SSP3 - Stalled Development	10.1	10.2	10.6	11.2	11.4	11.6	11.6

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	2.46	2.19	1.89	1.60	1.53	1.44	1.37
SSP2 - CEPAM Zero Migration	2.55	2.35	2.12	1.84	1.75	1.65	1.56
SSP2 - CEPAM Medium	2.55	2.35	2.12	1.84	1.75	1.65	1.56
SSP2 - CEPAM Double Migration	2.55	2.35	2.12	1.84	1.75	1.65	1.56
SSP3 - Stalled Development	2.74	2.73	2.67	2.44	2.35	2.22	2.11
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	74.3	75.6	78.4	83.9	86.6	90.7	96.2
SSP2 - CEPAM Zero Migration	73.8	74.6	76.4	79.9	81.6	84.2	87.7
SSP2 - CEPAM Medium	73.8	74.6	76.4	79.9	81.6	84.2	87.7
SSP2 - CEPAM Double Migration	73.8	74.6	76.4	79.9	81.6	84.2	87.7
SSP3 - Stalled Development	73.2	73.5	74.1	75.4	76.0	77.1	78.5
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-16.5	-17.6	-19.1	-20.6	-20.7	-20.1	-18.5
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-16.5	-17.7	-19.2	-20.9	-21.1	-20.7	-19.4
SSP2 - CEPAM Double Migration	-32.9	-35.1	-37.7	-39.5	-39.3	-37.3	-33.6
SSP3 - Stalled Development	-11.0	-5.9	0.0	0.0	0.0	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	27.1	28.6	30.6	35.4	38.4	41.5	46.2
Proportion age 65+	3.9%	4.4%	7.3%	13.7%	17.3%	19.2%	27.1%
Proportion RLE < 15 years	3.3%	3.4%	4.6%	7.7%	8.3%	9.4%	9.0%

Montenegro

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	0.63	0.63	0.62	0.61	0.60	0.58
Proportion age 65+	13.9%	16.1%	20.2%	22.6%	26.0%	29.2%
Proportion below age 20	25.1%	24.0%	21.8%	20.1%	19.1%	18.2%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	1.67	1.65	1.60	1.60	1.61	1.61
Life expectancy at birth (in years)						
Male	74.9	76.0	78.2	80.5	82.7	83.8
Female	79.6	80.7	82.9	85.1	87.4	89.6
Five-year net-migration flow (in thousands)	-3.2	-2.7	-1.8	-0.8	0.1	0.5

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	0.2%	0.3%	0.5%	0.7%	0.8%	0.8%
E2 - incomplete primary	1.7%	1.2%	0.8%	0.7%	0.6%	0.6%
E3 - primary	6.3%	4.7%	2.5%	1.6%	1.3%	1.2%
E4 - lower secondary	15.1%	14.1%	11.7%	9.4%	7.3%	5.7%
E5 - upper secondary	56.0%	57.4%	59.4%	59.3%	57.8%	55.3%
E6 - post-secondary	20.8%	22.2%	25.1%	28.4%	32.3%	36.6%
Mean years of schooling (in years)	11.3	11.6	12.1	12.5	12.9	13.2
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.36	0.58	0.66	0.67	0.65	0.63
E2 - incomplete primary	0.26	0.36	0.57	0.69	0.75	0.78
E3 - primary	0.34	0.33	0.39	0.59	0.80	0.87
E4 - lower secondary	0.76	0.77	0.81	0.87	0.95	1.02
E5 - upper secondary	1.22	1.20	1.17	1.20	1.24	1.32
E6 - post-secondary	1.06	0.97	0.84	0.75	0.70	0.67
Mean years of schooling (male minus female)	0.4	0.3	0.1	0.0	-0.1	-0.1
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	0.2%	0.5%	0.5%	0.4%	0.3%	0.2%
E2 - incomplete primary	0.7%	0.6%	0.3%	0.2%	0.2%	0.2%
E3 - primary	1.1%	1.0%	0.5%	0.5%	0.5%	0.4%
E4 - lower secondary	11.3%	8.6%	4.5%	2.7%	1.7%	1.2%
E5 - upper secondary	63.3%	63.1%	62.6%	59.3%	54.8%	50.1%
E6 - post-secondary	23.3%	26.3%	31.6%	37.0%	42.5%	47.8%
Mean years of schooling (in years)	12.2	12.7	13.6	14.1	14.4	14.6

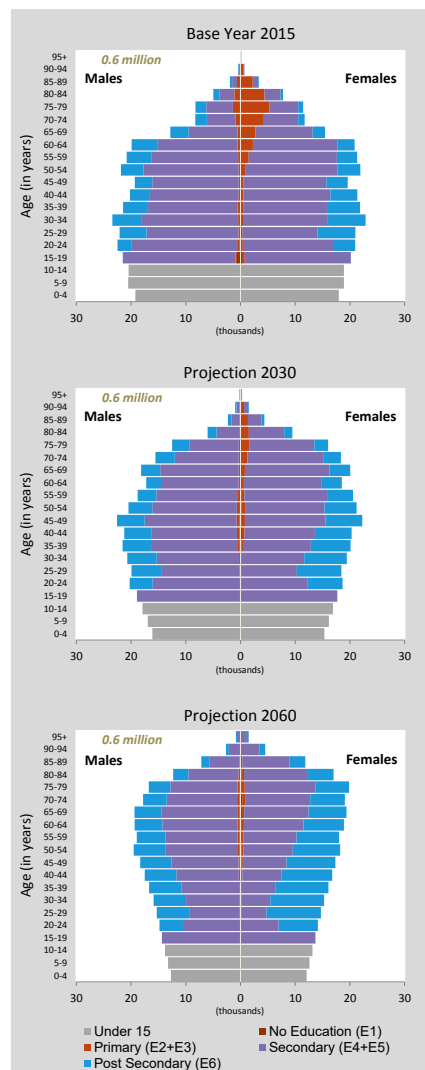
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

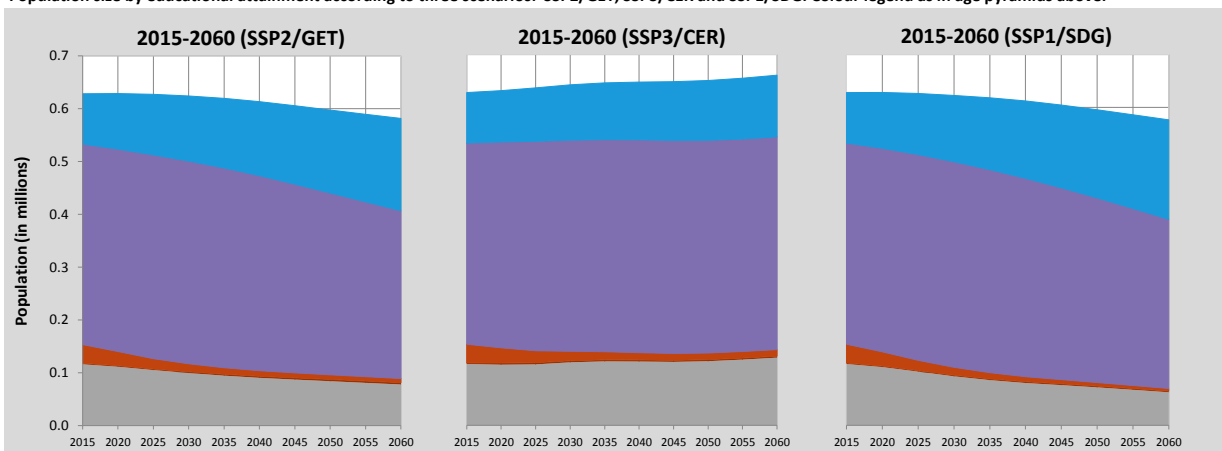
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

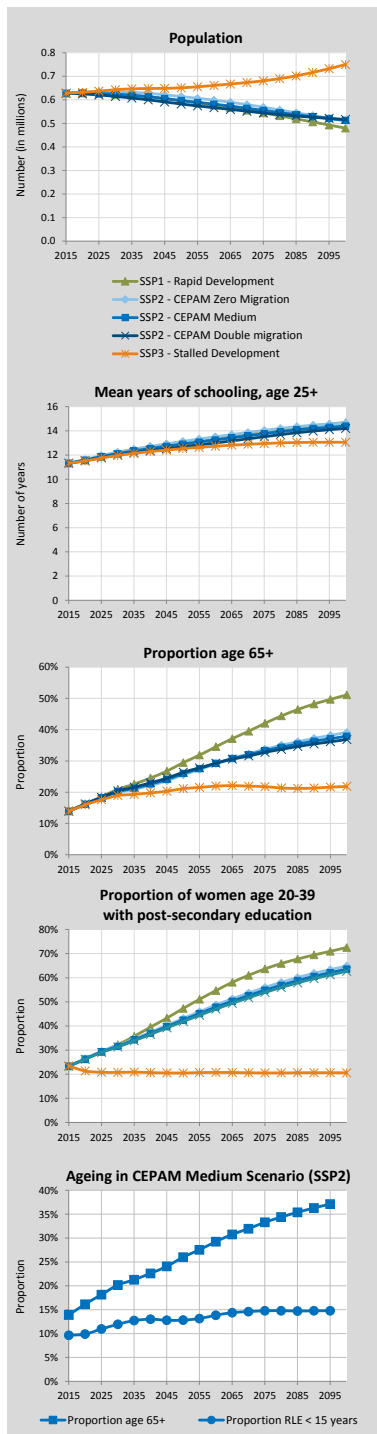
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Montenegro (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	0.63	0.63	0.62	0.60	0.58	0.54	0.48
SSP2 - CEPAM Zero Migration	0.63	0.63	0.63	0.61	0.60	0.57	0.51
SSP2 - CEPAM Medium	0.63	0.63	0.62	0.60	0.58	0.55	0.51
SSP2 - CEPAM Double Migration	0.63	0.63	0.61	0.58	0.57	0.54	0.52
SSP3 - Stalled Development	0.63	0.63	0.64	0.65	0.66	0.68	0.75
Proportion age 65+							
SSP1 - Rapid Development	13.9%	16.3%	20.9%	29.5%	34.5%	42.0%	51.1%
SSP2 - CEPAM Zero Migration	13.9%	16.1%	19.9%	25.6%	29.1%	33.8%	39.1%
SSP2 - CEPAM Medium	13.9%	16.1%	20.2%	26.0%	29.2%	33.3%	37.9%
SSP2 - CEPAM Double Migration	13.9%	16.2%	20.4%	26.4%	29.3%	32.7%	36.8%
SSP3 - Stalled Development	13.9%	16.0%	18.9%	21.1%	21.9%	21.8%	21.8%
Proportion below age 20							
SSP1 - Rapid Development	25.1%	23.8%	20.8%	16.5%	15.0%	13.1%	11.3%
SSP2 - CEPAM Zero Migration	25.1%	23.9%	21.9%	19.1%	18.1%	16.9%	15.7%
SSP2 - CEPAM Medium	25.1%	24.0%	21.8%	19.1%	18.2%	17.1%	16.1%
SSP2 - CEPAM Double Migration	25.1%	24.0%	21.7%	19.0%	18.3%	17.4%	16.5%
SSP3 - Stalled Development	25.1%	24.4%	24.3%	24.8%	25.4%	26.1%	26.8%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	23.3%	26.3%	32.3%	47.3%	54.7%	63.6%	72.5%
SSP2 - CEPAM Zero Migration	23.3%	26.4%	31.9%	43.1%	48.7%	56.0%	64.8%
SSP2 - CEPAM Medium	23.3%	26.3%	31.6%	42.5%	47.8%	54.8%	63.6%
SSP2 - CEPAM Double Migration	23.3%	26.2%	31.3%	41.9%	47.0%	53.9%	62.7%
SSP3 - Stalled Development	23.3%	21.3%	20.8%	20.5%	20.7%	20.5%	20.6%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	11.3	11.6	12.1	13.0	13.4	13.9	14.7
SSP2 - CEPAM Zero Migration	11.3	11.6	12.2	13.1	13.5	14.0	14.6
SSP2 - CEPAM Medium	11.3	11.6	12.1	12.9	13.2	13.8	14.4
SSP2 - CEPAM Double Migration	11.3	11.5	12.0	12.7	13.0	13.5	14.2
SSP3 - Stalled Development	11.3	11.5	12.0	12.5	12.7	13.0	13.1

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.61	1.53	1.43	1.39	1.40	1.41	1.44
SSP2 - CEPAM Zero Migration	1.67	1.64	1.60	1.60	1.61	1.62	1.64
SSP2 - CEPAM Medium	1.67	1.65	1.60	1.61	1.61	1.62	1.65
SSP2 - CEPAM Double Migration	1.67	1.65	1.61	1.61	1.62	1.63	1.65
SSP3 - Stalled Development	1.82	1.97	2.10	2.23	2.26	2.31	2.36
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	80.1	81.7	84.9	91.3	94.5	99.3	105.7
SSP2 - CEPAM Zero Migration	79.6	80.7	83.0	87.4	89.6	92.9	97.3
SSP2 - CEPAM Medium	79.6	80.7	82.9	87.4	89.6	92.8	97.2
SSP2 - CEPAM Double Migration	79.6	80.7	82.9	87.3	89.5	92.8	97.1
SSP3 - Stalled Development	79.1	79.7	80.9	83.3	84.5	86.2	88.5
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-3.2	-2.8	-2.0	-0.7	-0.3	0.1	0.3
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-3.2	-2.7	-1.8	0.1	0.8	1.6	2.0
SSP2 - CEPAM Double Migration	-6.4	-5.4	-3.3	0.4	1.7	2.9	3.4
SSP3 - Stalled Development	-2.1	-0.9	0.0	0.0	0.0	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	37.7	39.1	42.0	46.7	48.9	51.4	53.8
Proportion age 65+	13.9%	16.1%	20.2%	26.0%	29.2%	33.3%	37.1%
Proportion RLE < 15 years	10.2%	10.1%	12.1%	13.3%	14.3%	14.9%	14.6%

Morocco

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	34.80	36.83	39.81	41.66	42.47	42.27
Proportion age 65+	6.4%	7.6%	11.3%	14.3%	17.9%	22.0%
Proportion below age 20	36.2%	34.8%	31.1%	26.5%	24.2%	22.2%
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	2.38	2.18	1.94	1.79	1.72	1.69
Life expectancy at birth (in years)						
Male	74.9	75.7	77.3	78.9	80.5	81.3
Female	77.3	78.3	80.1	82.0	83.8	85.7
Five-year net-migration flow (in thousands)	-428.7	-453.1	-487.2	-505.1	-512.2	-511.3

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	48.3%	42.2%	31.4%	22.3%	14.7%	9.0%
E2 - incomplete primary	6.5%	6.4%	5.9%	5.0%	4.0%	3.0%
E3 - primary	16.5%	17.5%	18.4%	17.3%	15.4%	13.0%
E4 - lower secondary	10.9%	12.3%	14.6%	16.0%	16.3%	15.7%
E5 - upper secondary	9.5%	11.6%	15.7%	20.5%	25.0%	28.6%
E6 - post-secondary	8.3%	10.1%	13.9%	18.9%	24.6%	30.8%
Mean years of schooling (in years)	4.7	5.5	6.9	8.3	9.7	10.8
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.64	0.61	0.56	0.52	0.47	0.43
E2 - incomplete primary	1.59	1.54	1.45	1.35	1.26	1.15
E3 - primary	1.79	1.70	1.56	1.48	1.41	1.33
E4 - lower secondary	1.37	1.31	1.22	1.18	1.18	1.18
E5 - upper secondary	1.30	1.20	1.10	1.05	1.04	1.05
E6 - post-secondary	1.42	1.34	1.22	1.12	1.03	0.97
Mean years of schooling (male minus female)	0.8	0.8	0.7	0.6	0.4	0.3
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	27.4%	20.0%	7.7%	2.8%	0.9%	0.2%
E2 - incomplete primary	8.0%	6.4%	3.8%	1.9%	0.8%	0.3%
E3 - primary	18.9%	19.4%	17.8%	11.9%	6.9%	3.2%
E4 - lower secondary	16.0%	17.4%	19.2%	17.3%	13.6%	9.1%
E5 - upper secondary	17.0%	21.1%	29.4%	36.4%	39.7%	40.2%
E6 - post-secondary	12.6%	15.7%	22.1%	29.7%	38.0%	46.9%
Mean years of schooling (in years)	6.5	7.8	10.1	11.8	12.9	13.7

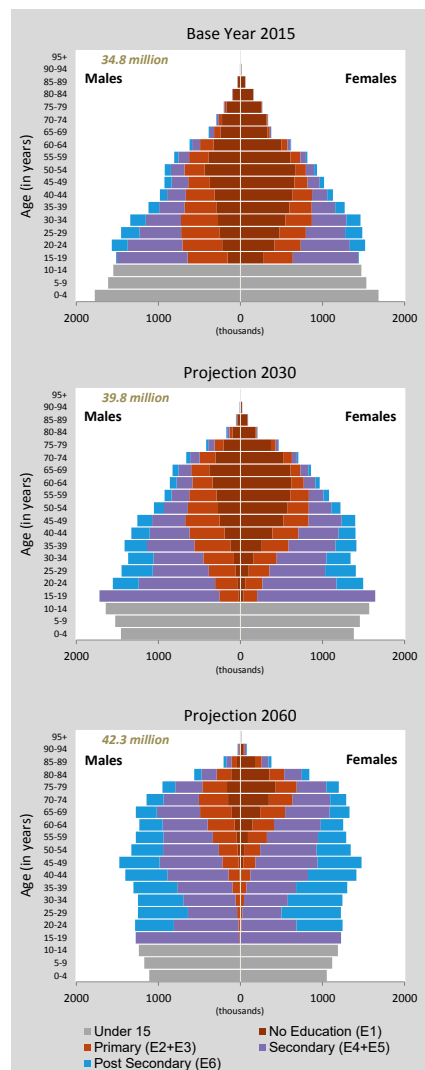
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

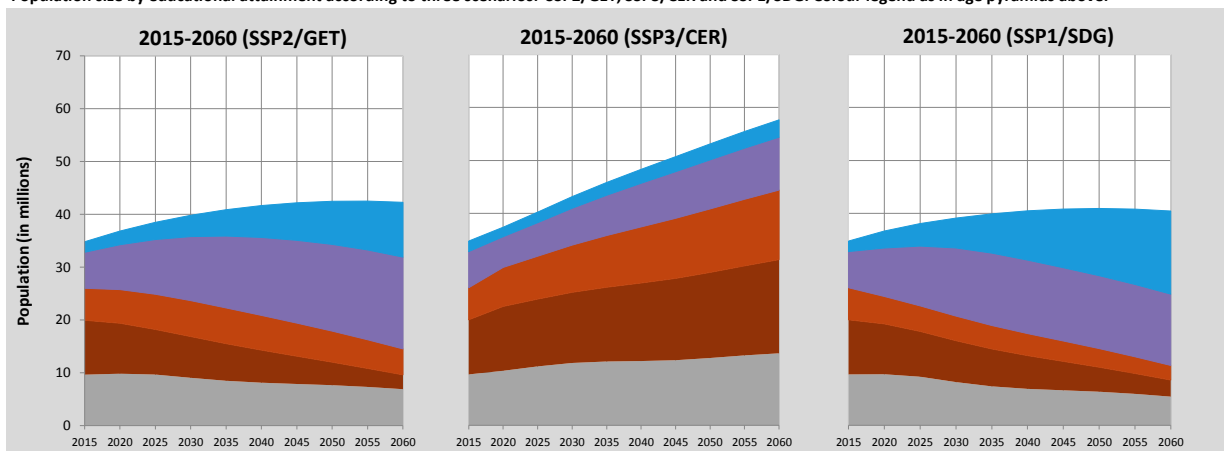
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

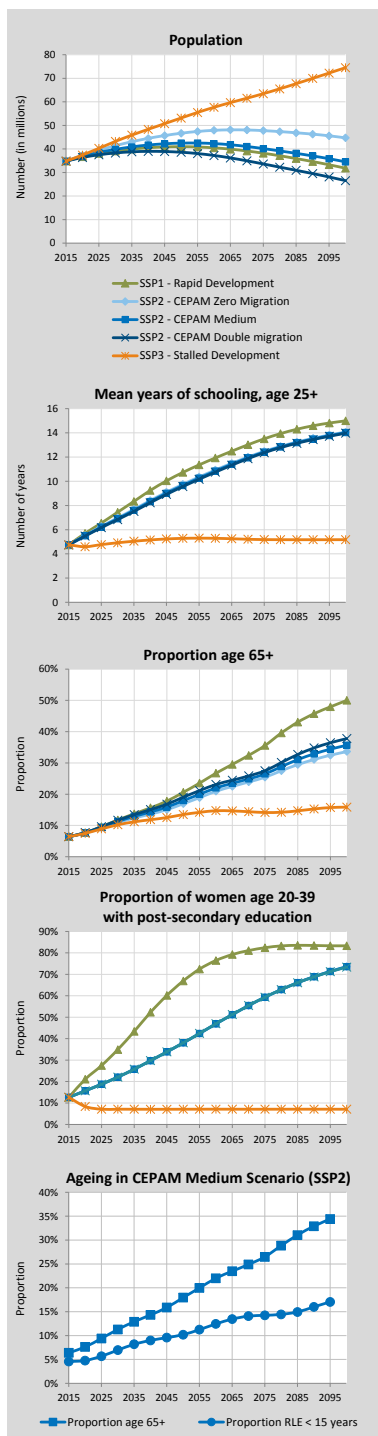
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Morocco (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	34.80	36.70	39.14	40.96	40.47	38.18	31.82
SSP2 - CEPAM Zero Migration	34.80	37.28	41.38	46.67	47.90	47.77	44.70
SSP2 - CEPAM Medium	34.80	36.83	39.81	42.47	42.27	40.15	34.52
SSP2 - CEPAM Double Migration	34.80	36.37	38.29	38.59	37.23	33.63	26.54
SSP3 - Stalled Development	34.80	37.42	43.18	53.13	57.68	63.45	74.51
Proportion age 65+							
SSP1 - Rapid Development	6.4%	7.7%	11.8%	20.6%	26.7%	35.6%	50.0%
SSP2 - CEPAM Zero Migration	6.4%	7.5%	10.9%	16.9%	20.9%	25.4%	33.6%
SSP2 - CEPAM Medium	6.4%	7.6%	11.3%	17.9%	22.0%	26.5%	35.6%
SSP2 - CEPAM Double Migration	6.4%	7.7%	11.7%	19.0%	23.1%	27.5%	37.8%
SSP3 - Stalled Development	6.4%	7.5%	10.2%	13.5%	14.7%	14.1%	15.9%
Proportion below age 20							
SSP1 - Rapid Development	36.2%	34.5%	29.5%	21.0%	18.6%	14.8%	11.4%
SSP2 - CEPAM Zero Migration	36.2%	34.7%	30.9%	24.0%	22.0%	19.3%	16.7%
SSP2 - CEPAM Medium	36.2%	34.8%	31.1%	24.2%	22.2%	19.3%	16.6%
SSP2 - CEPAM Double Migration	36.2%	35.0%	31.3%	24.4%	22.4%	19.4%	16.3%
SSP3 - Stalled Development	36.2%	35.6%	35.2%	31.5%	30.9%	30.0%	29.8%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	12.6%	21.1%	34.9%	66.9%	76.5%	82.4%	83.3%
SSP2 - CEPAM Zero Migration	12.6%	15.7%	22.1%	38.0%	46.9%	59.3%	73.7%
SSP2 - CEPAM Medium	12.6%	15.7%	22.1%	38.0%	46.9%	59.3%	73.5%
SSP2 - CEPAM Double Migration	12.6%	15.7%	22.1%	38.1%	47.0%	59.4%	73.4%
SSP3 - Stalled Development	12.6%	8.4%	7.1%	7.1%	7.1%	7.1%	7.1%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	4.7	5.7	7.4	10.7	11.9	13.5	15.0
SSP2 - CEPAM Zero Migration	4.7	5.5	7.0	9.7	10.9	12.5	14.1
SSP2 - CEPAM Medium	4.7	5.5	6.9	9.7	10.8	12.4	14.0
SSP2 - CEPAM Double Migration	4.7	5.5	6.8	9.6	10.8	12.4	14.0
SSP3 - Stalled Development	4.7	4.6	4.9	5.3	5.3	5.2	5.2

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	2.26	1.95	1.64	1.47	1.43	1.39	1.38
SSP2 - CEPAM Zero Migration	2.38	2.17	1.94	1.72	1.66	1.60	1.58
SSP2 - CEPAM Medium	2.38	2.18	1.94	1.72	1.66	1.60	1.58
SSP2 - CEPAM Double Migration	2.38	2.18	1.94	1.72	1.66	1.60	1.58
SSP3 - Stalled Development	2.72	2.86	2.77	2.49	2.44	2.45	2.50
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	77.9	79.4	82.2	87.8	90.7	95.1	101.2
SSP2 - CEPAM Zero Migration	77.3	78.3	80.1	83.8	85.7	88.5	92.2
SSP2 - CEPAM Medium	77.3	78.3	80.1	83.8	85.7	88.5	92.2
SSP2 - CEPAM Double Migration	77.3	78.3	80.1	83.8	85.7	88.5	92.2
SSP3 - Stalled Development	76.7	76.9	77.4	78.4	78.8	79.4	80.8
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-429.0	-452.2	-480.5	-496.9	-489.3	-456.6	-393.5
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-428.7	-453.1	-487.2	-512.2	-506.5	-476.1	-420.3
SSP2 - CEPAM Double Migration	-857.4	-894.2	-934.6	-924.5	-884.1	-789.1	-648.9
SSP3 - Stalled Development	-285.7	-153.6	-0.5	-0.6	-0.7	-0.7	-0.8

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	27.9	29.5	33.0	39.2	42.9	47.3	52.2
Proportion age 65+	6.4%	7.6%	11.3%	17.9%	22.0%	26.5%	34.4%
Proportion RLE < 15 years	4.7%	4.6%	6.5%	10.4%	12.7%	14.1%	16.4%

Mozambique

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	28.01	31.78	38.75	45.26	50.76	54.90
Proportion age 65+	3.1%	3.3%	3.7%	4.4%	5.6%	7.4%
Proportion below age 20	56.0%	54.6%	48.9%	42.1%	37.4%	33.1%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	4.71	3.96	3.05	2.46	2.14	2.04
Life expectancy at birth (in years)						
Male	57.0	57.9	59.8	61.7	63.6	64.6
Female	61.3	62.2	64.0	65.9	67.7	69.6
Five-year net-migration flow (in thousands)	-87.3	-105.9	-140.1	-172.4	-199.5	-210.4

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	63.2%	58.2%	48.2%	38.7%	30.6%	23.7%
E2 - incomplete primary	15.1%	15.6%	15.6%	14.5%	13.0%	11.2%
E3 - primary	5.4%	6.3%	8.2%	10.2%	11.6%	12.4%
E4 - lower secondary	10.0%	11.9%	16.1%	20.2%	23.4%	25.7%
E5 - upper secondary	5.6%	7.0%	10.4%	14.6%	19.3%	24.4%
E6 - post-secondary	0.8%	1.0%	1.4%	1.7%	2.1%	2.6%
Mean years of schooling (in years)	2.3	2.9	4.1	5.4	6.4	7.4
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.72	0.72	0.75	0.78	0.82	0.85
E2 - incomplete primary	1.67	1.50	1.30	1.17	1.10	1.04
E3 - primary	1.74	1.55	1.28	1.12	1.04	1.01
E4 - lower secondary	1.75	1.55	1.26	1.09	1.01	0.96
E5 - upper secondary	1.85	1.66	1.42	1.30	1.21	1.15
E6 - post-secondary	2.15	1.77	1.50	1.45	1.40	1.37
Mean years of schooling (male minus female)	0.6	0.6	0.5	0.4	0.3	0.2
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	50.2%	44.5%	35.0%	26.2%	18.1%	11.3%
E2 - incomplete primary	17.6%	17.2%	14.8%	12.5%	10.1%	7.3%
E3 - primary	7.1%	8.6%	11.2%	12.9%	13.7%	13.2%
E4 - lower secondary	15.6%	17.6%	21.9%	25.3%	28.0%	29.5%
E5 - upper secondary	8.7%	11.0%	15.6%	21.1%	27.7%	35.6%
E6 - post-secondary	0.8%	1.1%	1.4%	1.9%	2.4%	3.1%
Mean years of schooling (in years)	3.1	4.0	5.6	6.9	8.1	9.3

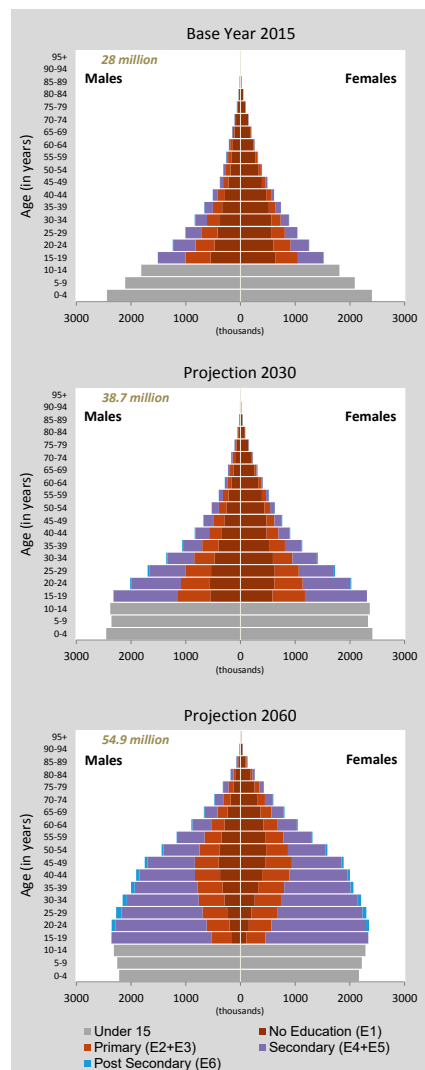
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

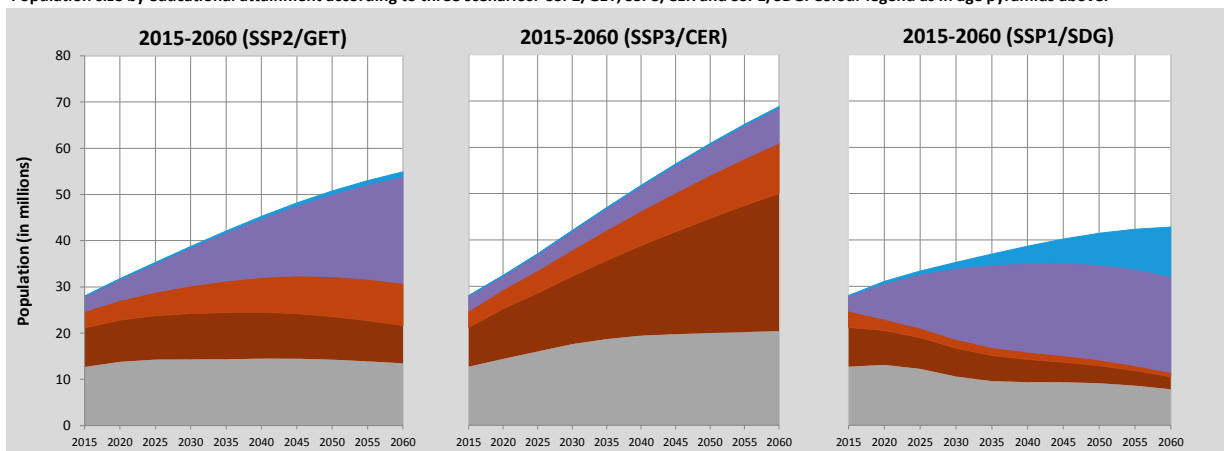
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

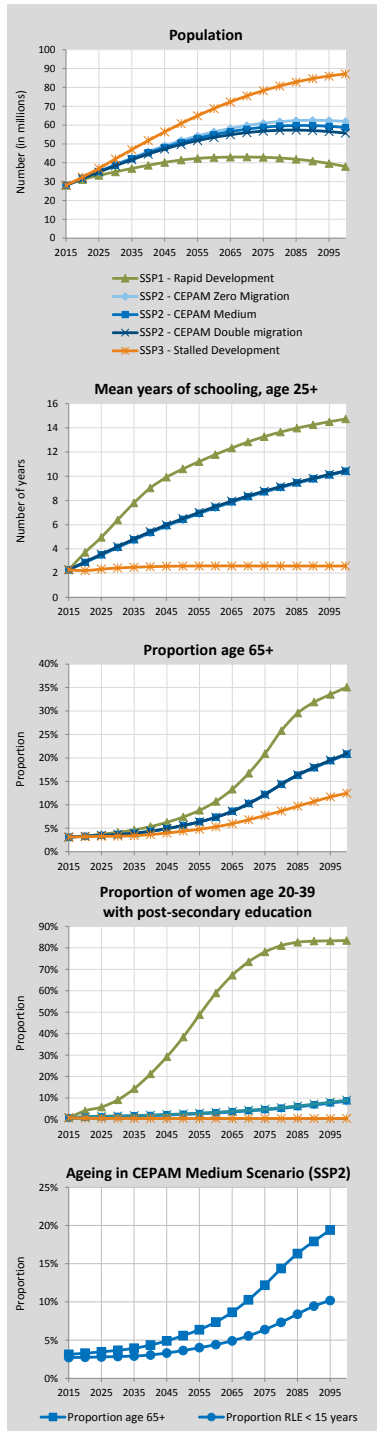
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Mozambique (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)		2015	2020	2030	2050	2060	2075	2100
Population (in millions)								
SSP1 - Rapid Development		28.01	31.07	35.17	41.45	42.79	42.89	38.04
SSP2 - CEPAM Zero Migration		28.01	31.87	39.11	51.82	56.38	60.98	61.93
SSP2 - CEPAM Medium		28.01	31.78	38.75	50.76	54.90	58.83	58.73
SSP2 - CEPAM Double Migration		28.01	31.68	38.40	49.72	53.46	56.77	55.74
SSP3 - Stalled Development		28.01	32.37	42.03	60.81	68.80	78.28	87.18
Proportion age 65+								
SSP1 - Rapid Development		3.1%	3.4%	4.1%	7.4%	10.7%	20.9%	35.1%
SSP2 - CEPAM Zero Migration		3.1%	3.3%	3.7%	5.6%	7.4%	12.2%	20.7%
SSP2 - CEPAM Medium		3.1%	3.3%	3.7%	5.6%	7.4%	12.2%	20.8%
SSP2 - CEPAM Double Migration		3.1%	3.3%	3.7%	5.6%	7.3%	12.2%	20.9%
SSP3 - Stalled Development		3.1%	3.2%	3.3%	4.4%	5.3%	7.7%	12.5%
Proportion below age 20								
SSP1 - Rapid Development		56.0%	53.6%	43.2%	29.4%	25.3%	19.4%	14.9%
SSP2 - CEPAM Zero Migration		56.0%	54.5%	48.7%	37.1%	32.7%	28.0%	23.1%
SSP2 - CEPAM Medium		56.0%	54.6%	48.9%	37.4%	33.1%	28.3%	23.3%
SSP2 - CEPAM Double Migration		56.0%	54.7%	49.1%	37.7%	33.4%	28.6%	23.6%
SSP3 - Stalled Development		56.0%	55.4%	52.7%	43.2%	39.0%	34.7%	31.3%
Proportion of women age 20-39 with post-secondary education								
SSP1 - Rapid Development		0.8%	4.1%	9.1%	38.4%	59.0%	78.1%	83.5%
SSP2 - CEPAM Zero Migration		0.8%	1.0%	1.3%	2.3%	3.0%	4.4%	8.4%
SSP2 - CEPAM Medium		0.8%	1.1%	1.4%	2.4%	3.1%	4.6%	8.7%
SSP2 - CEPAM Double Migration		0.8%	1.2%	1.6%	2.6%	3.3%	4.9%	9.0%
SSP3 - Stalled Development		0.8%	0.6%	0.5%	0.5%	0.5%	0.5%	0.5%
Mean years of schooling, age 25+								
SSP1 - Rapid Development		2.3	3.7	6.4	10.6	11.8	13.3	14.7
SSP2 - CEPAM Zero Migration		2.3	2.9	4.1	6.4	7.4	8.7	10.4
SSP2 - CEPAM Medium		2.3	2.9	4.1	6.4	7.4	8.7	10.4
SSP2 - CEPAM Double Migration		2.3	2.9	4.2	6.5	7.5	8.8	10.5
SSP3 - Stalled Development		2.3	2.2	2.4	2.6	2.6	2.6	2.6

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	4.06	2.90	1.97	1.53	1.44	1.35	1.24
SSP2 - CEPAM Zero Migration	4.72	3.96	3.05	2.14	1.97	1.83	1.69
SSP2 - CEPAM Medium	4.71	3.96	3.05	2.14	1.97	1.83	1.69
SSP2 - CEPAM Double Migration	4.71	3.95	3.05	2.14	1.97	1.83	1.69
SSP3 - Stalled Development	5.25	4.88	4.09	2.75	2.50	2.38	2.30
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	61.9	63.8	67.4	73.4	76.2	80.3	85.8
SSP2 - CEPAM Zero Migration	61.3	62.2	64.0	67.7	69.5	72.3	76.0
SSP2 - CEPAM Medium	61.3	62.2	64.0	67.7	69.6	72.3	76.0
SSP2 - CEPAM Double Migration	61.3	62.2	64.1	67.7	69.6	72.4	76.0
SSP3 - Stalled Development	60.7	60.8	61.2	61.8	62.1	62.7	63.6
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-87.4	-102.2	-120.9	-150.6	-157.4	-158.1	-140.7
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-87.3	-105.9	-140.1	-199.5	-219.7	-238.4	-238.6
SSP2 - CEPAM Double Migration	-174.7	-210.9	-276.9	-388.7	-424.7	-455.2	-446.5
SSP3 - Stalled Development	-58.2	-36.3	-0.1	-0.2	-0.3	-0.3	-0.3

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	17.2	17.9	20.5	27.0	30.0	34.6	39.7
Proportion age 65+	3.1%	3.3%	3.7%	5.6%	7.4%	12.2%	19.4%
Proportion RLE < 15 years	2.8%	2.9%	3.0%	3.9%	4.6%	6.5%	10.4%

Myanmar

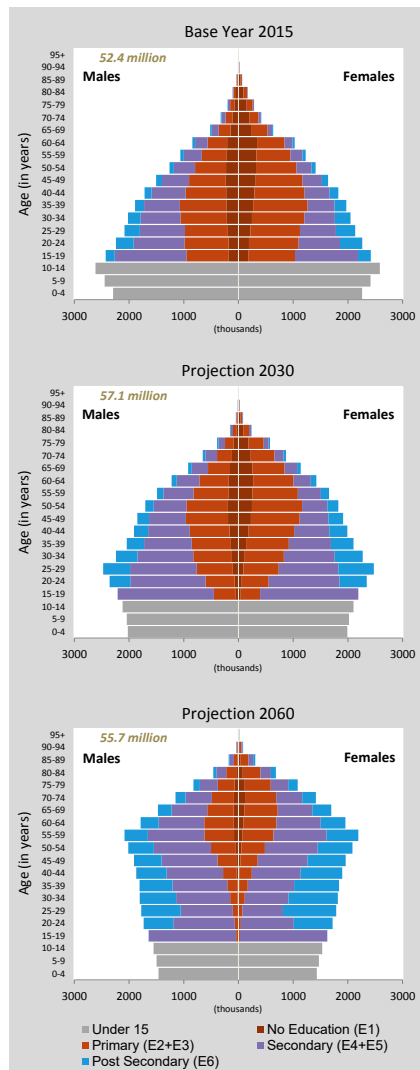
Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	52.40	54.35	57.08	58.16	57.49	55.66
Proportion age 65+	5.3%	6.5%	8.9%	11.7%	14.4%	16.9%
Proportion below age 20	37.1%	34.6%	29.3%	26.3%	23.9%	21.9%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	2.12	1.94	1.73	1.63	1.61	1.61
Life expectancy at birth (in years)						
Male	64.4	65.3	67.1	68.9	70.8	71.7
Female	69.1	70.0	71.8	73.6	75.4	77.2
Five-year net-migration flow (in thousands)	-412.0	-426.0	-443.4	-447.1	-437.3	-428.9

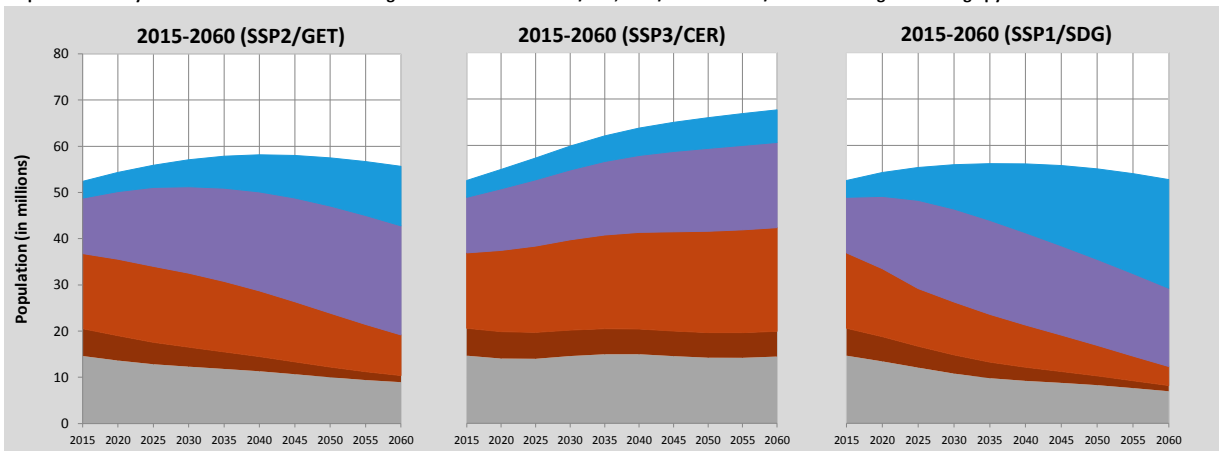
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	18.2%	15.7%	11.2%	8.0%	5.5%	3.6%
E2 - incomplete primary	22.7%	22.0%	19.7%	16.7%	13.5%	10.1%
E3 - primary	22.6%	22.1%	20.2%	17.7%	14.7%	11.5%
E4 - lower secondary	22.5%	23.3%	25.6%	27.3%	27.7%	26.8%
E5 - upper secondary	5.1%	6.6%	9.3%	12.2%	15.5%	19.0%
E6 - post-secondary	8.8%	10.3%	13.9%	18.2%	23.2%	29.1%
Mean years of schooling (in years)	5.9	6.3	7.2	8.0	8.9	9.8
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.76	0.76	0.79	0.81	0.85	0.88
E2 - incomplete primary	0.77	0.78	0.80	0.82	0.85	0.87
E3 - primary	1.01	1.00	0.99	0.99	0.99	0.99
E4 - lower secondary	1.51	1.43	1.32	1.26	1.23	1.22
E5 - upper secondary	1.42	1.35	1.25	1.20	1.18	1.19
E6 - post-secondary	0.96	0.92	0.86	0.82	0.80	0.79
Mean years of schooling (male minus female)	0.4	0.3	0.2	0.1	0.0	-0.1
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	10.4%	8.3%	4.6%	2.6%	1.2%	0.6%
E2 - incomplete primary	21.2%	18.7%	13.7%	9.1%	4.8%	2.2%
E3 - primary	21.1%	19.1%	14.9%	10.7%	6.7%	3.7%
E4 - lower secondary	24.8%	26.1%	28.8%	29.5%	26.2%	20.9%
E5 - upper secondary	8.9%	12.4%	18.1%	22.0%	27.4%	31.0%
E6 - post-secondary	13.6%	15.4%	19.9%	26.1%	33.7%	41.5%
Mean years of schooling (in years)	7.0	7.6	9.0	10.2	11.3	12.2

Education scenarios
 SSP2/GET: Global Education Trend Scenario (Medium assumption)
 SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)
 SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

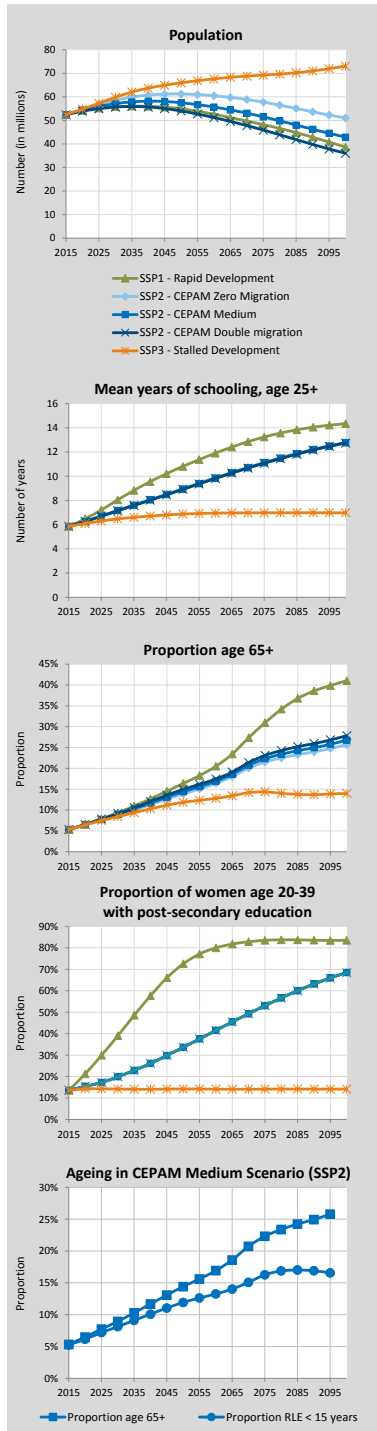
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Myanmar (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	52.40	54.12	55.81	54.91	52.60	48.19	38.68
SSP2 - CEPAM Zero Migration	52.40	54.79	58.55	61.20	60.47	57.75	51.02
SSP2 - CEPAM Medium	52.40	54.35	57.08	57.49	55.66	51.50	42.91
SSP2 - CEPAM Double Migration	52.40	53.91	55.64	53.99	51.20	45.89	36.05
SSP3 - Stalled Development	52.40	54.79	59.82	65.95	67.64	69.21	73.04
Proportion age 65+							
SSP1 - Rapid Development	5.3%	6.5%	9.3%	16.4%	20.5%	30.9%	41.0%
SSP2 - CEPAM Zero Migration	5.3%	6.4%	8.8%	13.9%	16.4%	21.5%	25.7%
SSP2 - CEPAM Medium	5.3%	6.5%	8.9%	14.4%	16.9%	22.3%	26.8%
SSP2 - CEPAM Double Migration	5.3%	6.5%	9.1%	15.0%	17.4%	23.1%	27.8%
SSP3 - Stalled Development	5.3%	6.4%	8.4%	11.9%	12.8%	14.4%	14.0%
Proportion below age 20							
SSP1 - Rapid Development	37.1%	34.2%	27.2%	20.5%	18.4%	15.8%	13.7%
SSP2 - CEPAM Zero Migration	37.1%	34.5%	29.2%	23.8%	21.9%	20.7%	19.6%
SSP2 - CEPAM Medium	37.1%	34.6%	29.3%	23.9%	21.9%	20.6%	19.4%
SSP2 - CEPAM Double Migration	37.1%	34.7%	29.3%	23.9%	21.9%	20.6%	19.2%
SSP3 - Stalled Development	37.1%	35.0%	31.7%	29.0%	28.1%	28.6%	30.3%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	13.6%	21.2%	39.0%	72.6%	80.0%	83.5%	83.5%
SSP2 - CEPAM Zero Migration	13.6%	15.4%	19.9%	33.7%	41.5%	53.1%	68.6%
SSP2 - CEPAM Medium	13.6%	15.4%	19.9%	33.7%	41.5%	53.1%	68.5%
SSP2 - CEPAM Double Migration	13.6%	15.4%	20.0%	33.7%	41.5%	53.1%	68.4%
SSP3 - Stalled Development	13.6%	14.3%	14.2%	14.2%	14.1%	14.2%	14.2%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	5.9	6.5	8.0	10.8	11.9	13.2	14.3
SSP2 - CEPAM Zero Migration	5.9	6.3	7.2	9.0	9.9	11.1	12.8
SSP2 - CEPAM Medium	5.9	6.3	7.2	8.9	9.8	11.1	12.8
SSP2 - CEPAM Double Migration	5.9	6.3	7.1	8.9	9.8	11.1	12.7
SSP3 - Stalled Development	5.9	6.1	6.5	6.9	7.0	7.0	7.0

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.99	1.68	1.36	1.37	1.39	1.41	1.44
SSP2 - CEPAM Zero Migration	2.12	1.94	1.73	1.61	1.61	1.62	1.65
SSP2 - CEPAM Medium	2.12	1.94	1.73	1.61	1.61	1.62	1.65
SSP2 - CEPAM Double Migration	2.12	1.94	1.73	1.61	1.61	1.62	1.65
SSP3 - Stalled Development	2.29	2.28	2.25	2.16	2.20	2.32	2.46
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	69.7	71.2	74.2	79.7	82.5	87.0	92.7
SSP2 - CEPAM Zero Migration	69.1	70.0	71.8	75.4	77.2	79.9	83.5
SSP2 - CEPAM Medium	69.1	70.0	71.8	75.4	77.2	79.9	83.5
SSP2 - CEPAM Double Migration	69.1	70.0	71.8	75.4	77.2	79.9	83.5
SSP3 - Stalled Development	68.6	68.8	69.3	70.0	70.4	71.0	72.3
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-412.2	-425.0	-434.9	-420.7	-400.1	-363.7	-301.2
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-412.0	-426.0	-443.4	-437.3	-419.1	-381.8	-326.0
SSP2 - CEPAM Double Migration	-824.1	-844.6	-862.9	-817.1	-765.5	-673.5	-545.2
SSP3 - Stalled Development	-274.6	-143.2	-0.4	-0.5	-0.5	-0.5	-0.5

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	27.7	29.1	32.4	39.3	41.8	44.6	46.8
Proportion age 65+	5.3%	6.5%	8.9%	14.4%	16.9%	22.3%	25.8%
Proportion RLE < 15 years	5.1%	6.0%	8.2%	11.9%	13.2%	16.0%	16.7%

Namibia

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	2.43	2.69	3.13	3.51	3.81	4.01
Proportion age 65+	3.5%	3.8%	4.8%	6.3%	8.2%	11.3%
Proportion below age 20	48.0%	46.2%	42.4%	36.5%	32.5%	29.3%
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Total Fertility Rate	3.22	2.78	2.30	2.00	1.82	1.78
Life expectancy at birth (in years)						
Male	62.0	62.9	64.8	66.6	68.5	69.4
Female	67.9	68.6	70.1	71.5	73.0	74.4
Five-year net-migration flow (in thousands)	-3.3	-4.8	-7.3	-9.2	-10.8	-11.3

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	15.4%	12.3%	7.8%	4.8%	3.0%	1.8%
E2 - incomplete primary	20.8%	17.8%	12.4%	8.2%	5.2%	3.2%
E3 - primary	19.9%	19.5%	17.8%	15.2%	12.1%	9.4%
E4 - lower secondary	17.8%	19.7%	22.5%	23.5%	23.0%	21.2%
E5 - upper secondary	17.2%	20.6%	27.1%	33.4%	39.0%	43.4%
E6 - post-secondary	8.9%	10.1%	12.4%	14.9%	17.8%	21.0%
Mean years of schooling (in years)	7.8	8.4	9.5	10.4	11.1	11.7
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	1.09	1.11	1.17	1.22	1.28	1.31
E2 - incomplete primary	0.95	0.97	1.01	1.05	1.12	1.21
E3 - primary	0.90	0.89	0.89	0.91	0.92	0.93
E4 - lower secondary	0.92	0.93	0.95	0.95	0.96	0.98
E5 - upper secondary	1.07	1.05	1.02	1.01	1.01	1.01
E6 - post-secondary	1.25	1.18	1.10	1.05	1.02	0.99
Mean years of schooling (male minus female)	0.1	0.0	0.0	0.0	0.0	0.0
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	7.6%	5.7%	2.6%	1.1%	0.5%	0.2%
E2 - incomplete primary	12.8%	9.8%	4.8%	2.1%	0.9%	0.3%
E3 - primary	23.1%	20.2%	14.6%	9.7%	6.0%	3.2%
E4 - lower secondary	24.6%	25.3%	25.9%	23.8%	20.1%	15.1%
E5 - upper secondary	24.0%	29.0%	38.3%	45.9%	51.1%	55.1%
E6 - post-secondary	7.9%	10.1%	13.8%	17.3%	21.5%	26.1%
Mean years of schooling (in years)	9.4	10.0	11.0	11.8	12.3	12.8

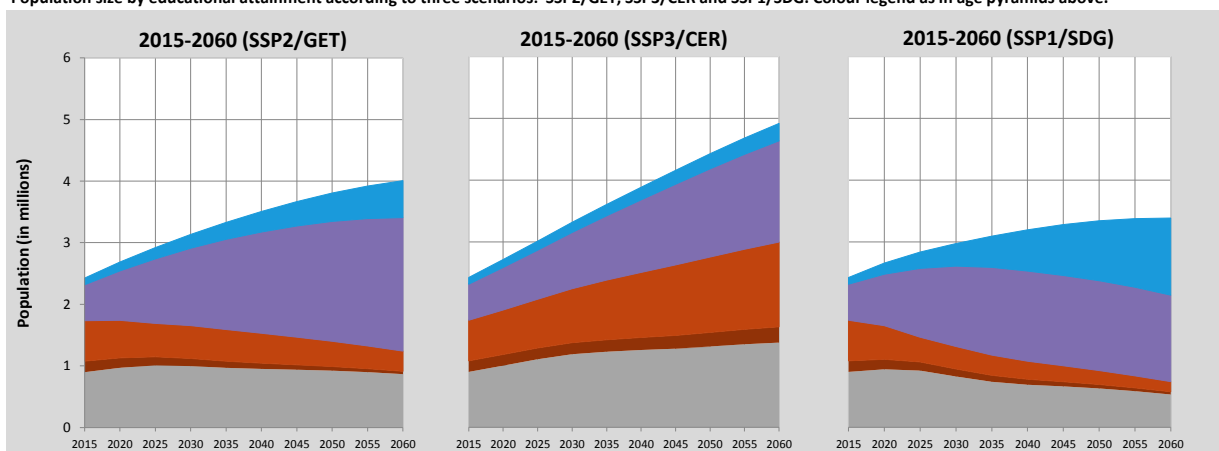
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

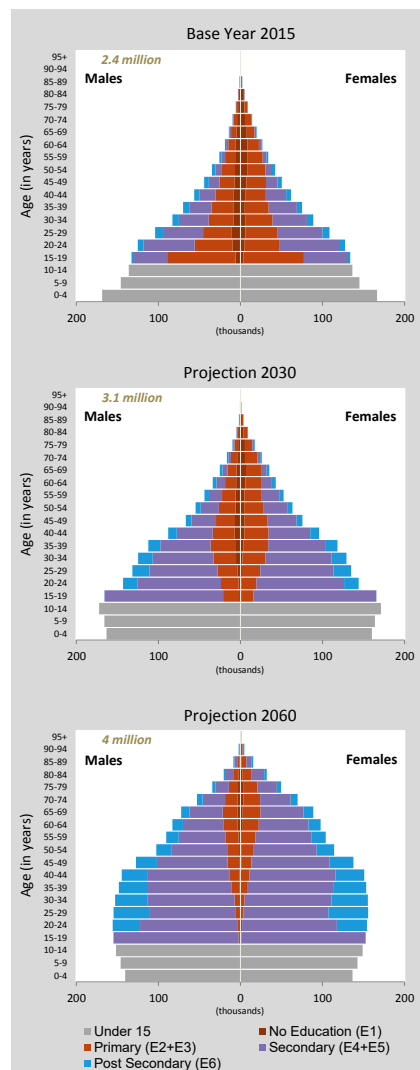
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

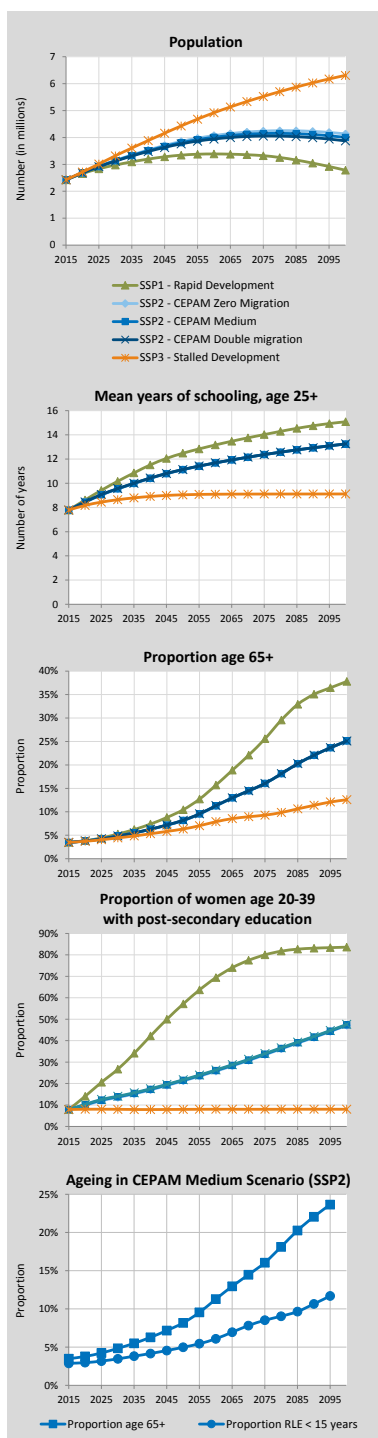
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



Namibia (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	2.43	2.66	2.97	3.34	3.39	3.32	2.78
SSP2 - CEPAM Zero Migration	2.43	2.69	3.15	3.85	4.07	4.24	4.13
SSP2 - CEPAM Medium	2.43	2.69	3.13	3.81	4.01	4.15	4.00
SSP2 - CEPAM Double Migration	2.43	2.68	3.12	3.76	3.94	4.05	3.87
SSP3 - Stalled Development	2.43	2.72	3.32	4.43	4.92	5.52	6.31
Proportion age 65+							
SSP1 - Rapid Development	3.5%	3.8%	5.3%	10.4%	15.7%	25.6%	37.8%
SSP2 - CEPAM Zero Migration	3.5%	3.8%	4.8%	8.1%	11.2%	16.0%	25.1%
SSP2 - CEPAM Medium	3.5%	3.8%	4.8%	8.2%	11.3%	16.0%	25.1%
SSP2 - CEPAM Double Migration	3.5%	3.8%	4.8%	8.2%	11.3%	16.0%	25.1%
SSP3 - Stalled Development	3.5%	3.7%	4.4%	6.3%	7.9%	9.3%	12.6%
Proportion below age 20							
SSP1 - Rapid Development	48.0%	45.6%	38.8%	25.7%	22.0%	16.9%	13.0%
SSP2 - CEPAM Zero Migration	48.0%	46.1%	42.2%	32.3%	29.0%	25.0%	20.8%
SSP2 - CEPAM Medium	48.0%	46.2%	42.4%	32.5%	29.3%	25.2%	21.1%
SSP2 - CEPAM Double Migration	48.0%	46.2%	42.5%	32.8%	29.5%	25.5%	21.3%
SSP3 - Stalled Development	48.0%	46.8%	45.7%	38.9%	36.7%	34.0%	31.9%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	7.9%	14.1%	26.7%	57.1%	69.4%	80.1%	83.6%
SSP2 - CEPAM Zero Migration	7.9%	9.8%	13.5%	21.2%	25.8%	33.4%	47.1%
SSP2 - CEPAM Medium	7.9%	10.1%	13.8%	21.5%	26.1%	33.7%	47.3%
SSP2 - CEPAM Double Migration	7.9%	10.3%	14.1%	21.8%	26.3%	34.0%	47.6%
SSP3 - Stalled Development	7.9%	8.0%	8.0%	8.0%	8.0%	8.0%	8.0%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	7.8	8.6	10.2	12.5	13.2	14.0	15.1
SSP2 - CEPAM Zero Migration	7.8	8.4	9.5	11.1	11.7	12.4	13.2
SSP2 - CEPAM Medium	7.8	8.4	9.5	11.1	11.7	12.4	13.2
SSP2 - CEPAM Double Migration	7.8	8.5	9.6	11.1	11.7	12.4	13.3
SSP3 - Stalled Development	7.8	8.2	8.6	9.0	9.1	9.1	9.1

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	2.94	2.27	1.67	1.32	1.28	1.23	1.17
SSP2 - CEPAM Zero Migration	3.22	2.78	2.30	1.82	1.74	1.67	1.59
SSP2 - CEPAM Medium	3.22	2.78	2.30	1.82	1.74	1.67	1.59
SSP2 - CEPAM Double Migration	3.22	2.78	2.30	1.82	1.74	1.67	1.59
SSP3 - Stalled Development	3.51	3.33	3.02	2.45	2.34	2.28	2.24
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	68.4	69.7	72.3	77.3	79.8	83.5	88.4
SSP2 - CEPAM Zero Migration	67.9	68.6	70.1	73.0	74.4	76.6	79.5
SSP2 - CEPAM Medium	67.9	68.6	70.1	73.0	74.4	76.6	79.5
SSP2 - CEPAM Double Migration	67.9	68.6	70.1	73.0	74.4	76.6	79.5
SSP3 - Stalled Development	67.4	67.5	67.6	68.0	68.2	68.6	69.4
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-3.3	-4.7	-6.3	-7.9	-8.0	-7.5	-4.6
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-3.3	-4.8	-7.3	-10.8	-11.7	-12.1	-11.2
SSP2 - CEPAM Double Migration	-6.6	-9.7	-14.7	-21.4	-23.0	-23.5	-21.1
SSP3 - Stalled Development	-2.2	-1.7	0.0	0.0	0.0	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	21.0	21.9	24.2	30.4	33.4	37.6	42.7
Proportion age 65+	3.5%	3.8%	4.8%	8.2%	11.3%	16.0%	23.7%
Proportion RLE < 15 years	2.9%	3.0%	3.6%	5.2%	6.4%	9.0%	12.3%

Nepal

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	28.66	30.58	34.37	37.29	39.66	41.32
Proportion age 65+	5.5%	6.2%	7.0%	8.7%	11.1%	14.9%
Proportion below age 20	43.9%	40.1%	34.7%	31.6%	27.9%	25.5%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	2.23	2.16	2.03	1.94	1.87	1.84
Life expectancy at birth (in years)						
Male	69.1	70.3	72.7	75.0	77.3	78.5
Female	72.4	73.6	76.0	78.5	80.8	83.3
Five-year net-migration flow (in thousands)	-267.3	-285.4	-321.8	-348.8	-370.1	-378.3

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	46.2%	38.4%	25.8%	17.9%	11.8%	7.4%
E2 - incomplete primary	7.0%	7.6%	7.2%	6.3%	5.2%	4.1%
E3 - primary	12.7%	14.0%	14.7%	14.0%	12.6%	10.8%
E4 - lower secondary	8.4%	9.7%	11.7%	12.8%	13.1%	12.7%
E5 - upper secondary	21.4%	25.3%	33.6%	40.1%	46.0%	50.8%
E6 - post-secondary	4.2%	5.0%	7.0%	8.9%	11.3%	14.1%
Mean years of schooling (in years)	4.5	5.4	6.9	8.1	9.2	10.1
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.55	0.53	0.48	0.44	0.41	0.40
E2 - incomplete primary	1.51	1.33	1.04	0.90	0.80	0.72
E3 - primary	1.47	1.25	1.10	1.03	0.95	0.89
E4 - lower secondary	1.47	1.33	1.20	1.11	1.06	1.02
E5 - upper secondary	1.65	1.48	1.28	1.17	1.09	1.02
E6 - post-secondary	3.10	2.72	2.31	2.05	1.83	1.67
Mean years of schooling (male minus female)	1.1	1.0	0.9	0.8	0.7	0.6
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	21.5%	14.7%	7.5%	5.0%	2.4%	1.0%
E2 - incomplete primary	8.2%	8.1%	6.3%	3.7%	2.0%	1.1%
E3 - primary	17.4%	17.2%	14.8%	10.6%	7.2%	4.6%
E4 - lower secondary	12.9%	13.7%	14.4%	14.0%	12.0%	9.6%
E5 - upper secondary	35.3%	40.0%	47.8%	54.3%	60.1%	62.8%
E6 - post-secondary	4.7%	6.3%	9.3%	12.4%	16.3%	20.9%
Mean years of schooling (in years)	6.4	7.5	8.9	9.9	11.0	11.7

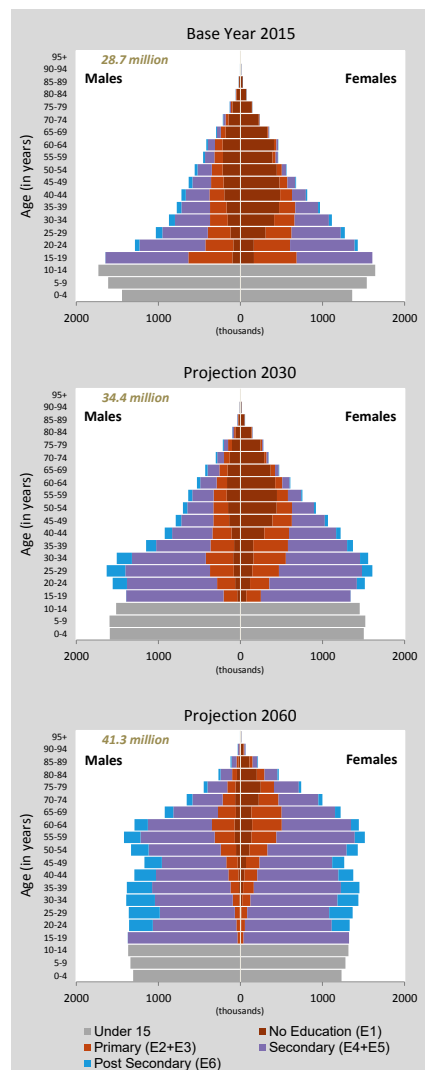
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

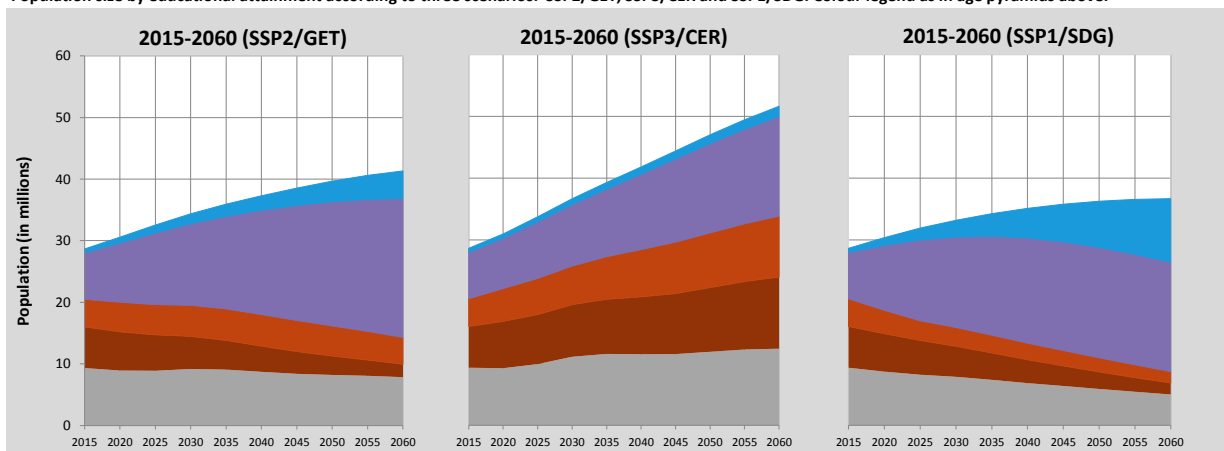
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

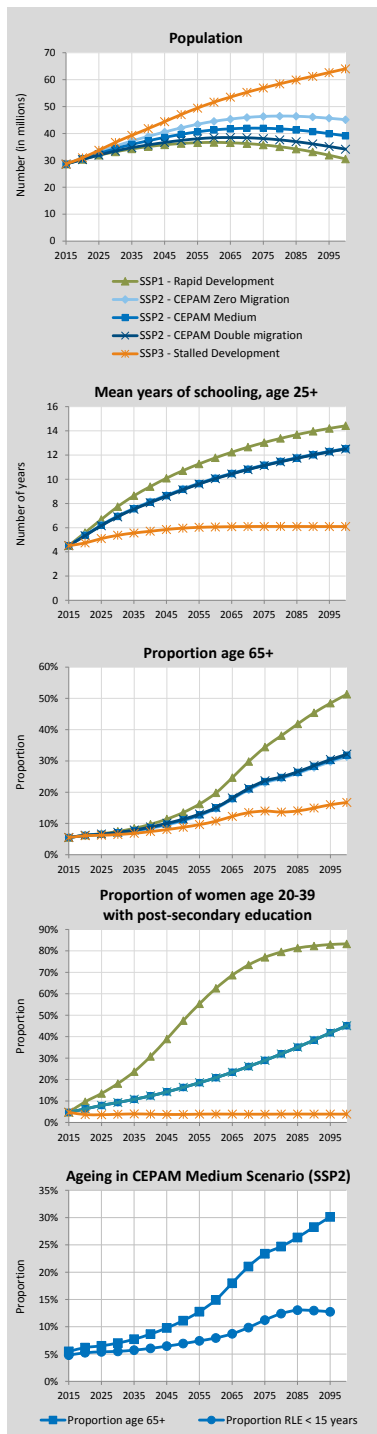
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Nepal (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	28.66	30.38	33.19	36.27	36.69	35.75	30.53
SSP2 - CEPAM Zero Migration	28.66	30.85	35.27	42.07	44.53	46.33	45.14
SSP2 - CEPAM Medium	28.66	30.58	34.37	39.66	41.32	41.94	39.13
SSP2 - CEPAM Double Migration	28.66	30.30	33.48	37.43	38.41	38.10	34.18
SSP3 - Stalled Development	28.66	30.97	36.67	47.02	51.64	56.90	64.03
Proportion age 65+							
SSP1 - Rapid Development	5.5%	6.3%	7.5%	13.5%	19.8%	34.4%	51.3%
SSP2 - CEPAM Zero Migration	5.5%	6.1%	6.9%	10.8%	14.7%	23.0%	31.3%
SSP2 - CEPAM Medium	5.5%	6.2%	7.0%	11.1%	14.9%	23.4%	31.8%
SSP2 - CEPAM Double Migration	5.5%	6.2%	7.1%	11.4%	15.1%	23.6%	32.1%
SSP3 - Stalled Development	5.5%	6.1%	6.5%	8.8%	10.7%	14.0%	16.7%
Proportion below age 20							
SSP1 - Rapid Development	43.9%	39.7%	31.9%	22.5%	18.9%	14.5%	10.1%
SSP2 - CEPAM Zero Migration	43.9%	40.0%	34.3%	27.2%	24.8%	21.0%	17.5%
SSP2 - CEPAM Medium	43.9%	40.1%	34.7%	27.9%	25.5%	21.7%	18.2%
SSP2 - CEPAM Double Migration	43.9%	40.3%	35.1%	28.6%	26.3%	22.4%	18.8%
SSP3 - Stalled Development	43.9%	40.7%	37.8%	33.4%	31.7%	28.9%	27.2%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	4.7%	9.6%	18.1%	47.5%	62.6%	77.0%	83.3%
SSP2 - CEPAM Zero Migration	4.7%	6.3%	9.3%	16.3%	20.9%	29.0%	45.2%
SSP2 - CEPAM Medium	4.7%	6.3%	9.3%	16.3%	20.9%	28.9%	45.1%
SSP2 - CEPAM Double Migration	4.7%	6.3%	9.3%	16.4%	20.9%	28.9%	45.1%
SSP3 - Stalled Development	4.7%	3.7%	3.8%	3.7%	3.9%	3.9%	3.9%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	4.5	5.6	7.7	10.7	11.8	13.0	14.4
SSP2 - CEPAM Zero Migration	4.5	5.4	7.0	9.2	10.1	11.2	12.5
SSP2 - CEPAM Medium	4.5	5.4	6.9	9.2	10.1	11.2	12.5
SSP2 - CEPAM Double Migration	4.5	5.3	6.9	9.1	10.0	11.1	12.5
SSP3 - Stalled Development	4.5	4.7	5.4	6.0	6.1	6.1	6.1

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	2.07	1.84	1.59	1.43	1.26	1.21	1.17
SSP2 - CEPAM Zero Migration	2.23	2.16	2.03	1.87	1.71	1.64	1.58
SSP2 - CEPAM Medium	2.23	2.16	2.03	1.87	1.71	1.64	1.58
SSP2 - CEPAM Double Migration	2.23	2.16	2.03	1.87	1.71	1.64	1.58
SSP3 - Stalled Development	2.47	2.63	2.62	2.33	2.20	2.18	2.20
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	73.0	74.8	78.2	84.9	88.4	93.7	100.8
SSP2 - CEPAM Zero Migration	72.4	73.6	76.0	80.8	83.3	86.9	91.7
SSP2 - CEPAM Medium	72.4	73.6	76.0	80.8	83.3	86.9	91.7
SSP2 - CEPAM Double Migration	72.4	73.6	76.0	80.9	83.3	86.9	91.7
SSP3 - Stalled Development	71.8	72.3	73.5	75.9	77.0	78.7	81.2
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-267.5	-283.8	-310.6	-338.0	-340.5	-327.6	-281.4
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-267.3	-285.4	-321.8	-370.1	-384.3	-385.1	-358.9
SSP2 - CEPAM Double Migration	-534.6	-563.4	-620.2	-682.6	-694.5	-674.6	-601.3
SSP3 - Stalled Development	-178.2	-96.6	-0.3	-0.4	-0.5	-0.5	-0.6

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	23.2	24.7	28.4	35.1	38.3	43.5	48.6
Proportion age 65+	5.5%	6.2%	7.0%	11.1%	14.9%	23.4%	30.1%
Proportion RLE < 15 years	4.5%	5.0%	5.3%	7.1%	8.6%	11.4%	12.8%

New Caledonia

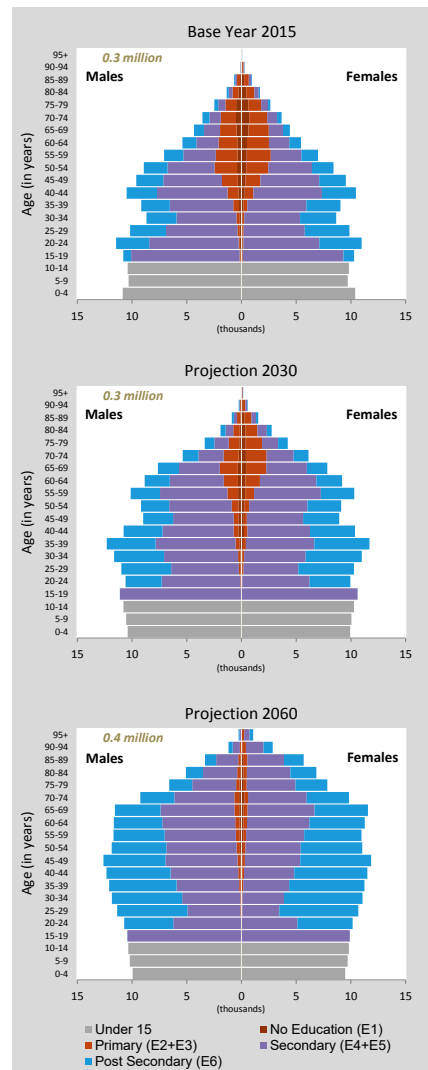
Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	0.27	0.28	0.31	0.33	0.35	0.37
Proportion age 65+	9.7%	10.5%	13.7%	17.8%	19.4%	22.5%
Proportion below age 20	30.7%	29.1%	26.9%	24.5%	22.9%	21.6%
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	2.10	1.99	1.89	1.82	1.79	1.78
Life expectancy at birth (in years)						
Male	74.7	75.7	77.6	79.6	81.6	82.6
Female	80.1	81.2	83.1	85.1	87.1	89.1
Five-year net-migration flow (in thousands)	3.1	3.3	3.6	3.9	4.2	4.2

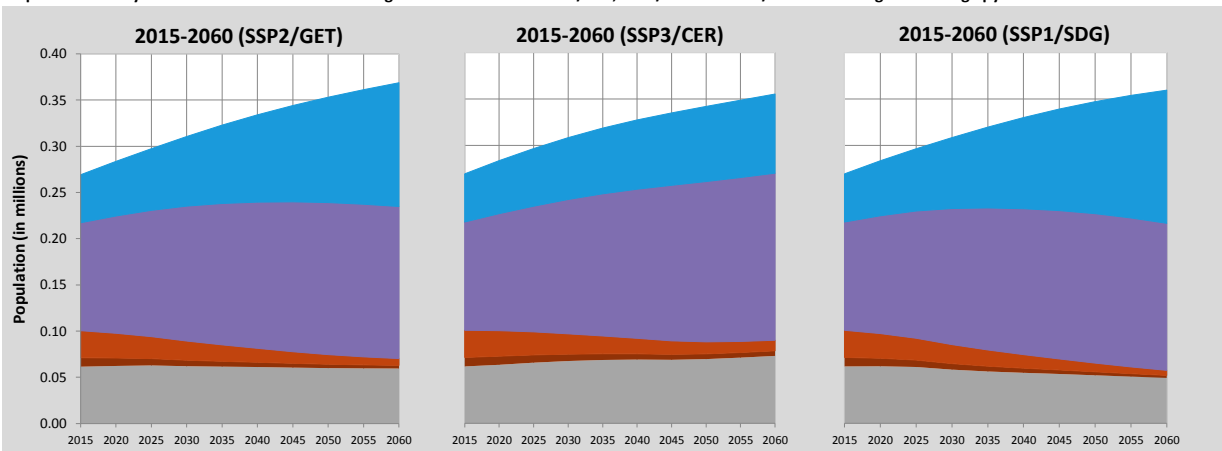
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	5.7%	4.7%	3.1%	2.2%	1.7%	1.3%
E2 - incomplete primary	4.8%	3.8%	2.4%	1.5%	1.0%	0.7%
E3 - primary	12.8%	10.8%	7.6%	5.0%	3.1%	2.0%
E4 - lower secondary	18.4%	17.8%	16.2%	14.0%	11.5%	8.9%
E5 - upper secondary	31.9%	34.1%	37.6%	39.9%	40.9%	40.7%
E6 - post-secondary	26.4%	28.7%	33.1%	37.4%	41.8%	46.4%
Mean years of schooling (in years)	10.6	11.0	11.8	12.4	12.8	13.2
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.80	0.78	0.77	0.80	0.82	0.81
E2 - incomplete primary	0.91	0.89	0.87	0.90	0.98	1.05
E3 - primary	0.94	0.93	0.89	0.88	0.93	1.04
E4 - lower secondary	1.06	1.09	1.10	1.11	1.12	1.14
E5 - upper secondary	1.07	1.07	1.09	1.11	1.13	1.15
E6 - post-secondary	0.97	0.95	0.92	0.89	0.87	0.86
Mean years of schooling (male minus female)	0.1	0.1	0.0	-0.1	-0.1	-0.1
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	1.4%	1.4%	0.7%	0.5%	0.4%	0.2%
E2 - incomplete primary	0.3%	0.5%	0.4%	0.3%	0.2%	0.2%
E3 - primary	2.0%	1.7%	1.3%	0.8%	0.6%	0.5%
E4 - lower secondary	16.6%	13.8%	9.5%	5.9%	3.6%	2.2%
E5 - upper secondary	46.3%	46.9%	47.5%	46.8%	44.3%	41.0%
E6 - post-secondary	33.3%	35.7%	40.6%	45.7%	51.0%	55.9%
Mean years of schooling (in years)	12.8	13.0	13.3	13.7	14.0	14.3

Education scenarios
 SSP2/GET: Global Education Trend Scenario (Medium assumption)
 SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)
 SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

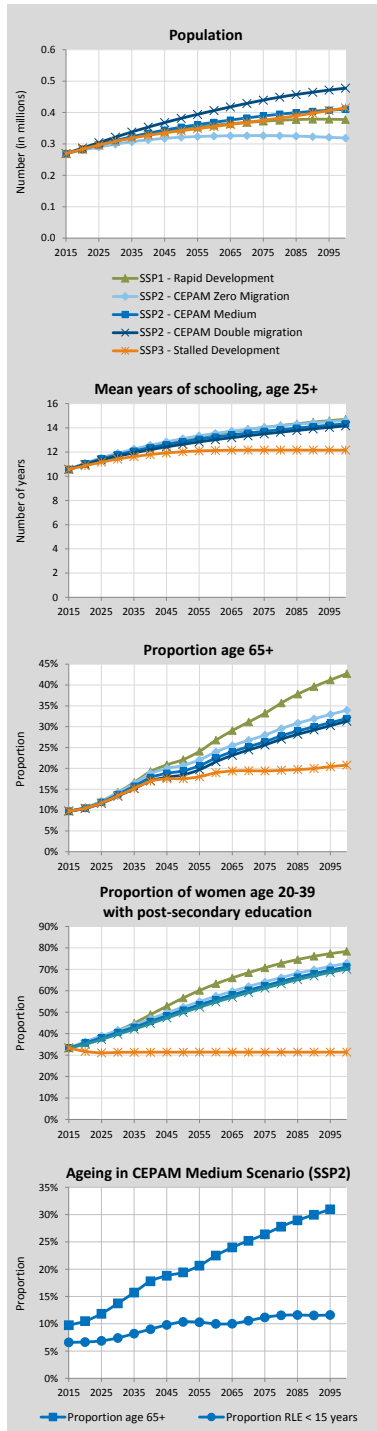
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



New Caledonia (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	0.27	0.28	0.31	0.35	0.36	0.37	0.38
SSP2 - CEPAM Zero Migration	0.27	0.28	0.30	0.32	0.33	0.33	0.32
SSP2 - CEPAM Medium	0.27	0.28	0.31	0.35	0.37	0.39	0.41
SSP2 - CEPAM Double Migration	0.27	0.29	0.32	0.38	0.41	0.44	0.48
SSP3 - Stalled Development	0.27	0.28	0.31	0.34	0.36	0.38	0.42
Proportion age 65+							
SSP1 - Rapid Development	9.7%	10.6%	14.3%	22.1%	26.8%	33.2%	42.7%
SSP2 - CEPAM Zero Migration	9.7%	10.6%	14.2%	20.7%	24.0%	28.0%	33.9%
SSP2 - CEPAM Medium	9.7%	10.5%	13.7%	19.4%	22.5%	26.4%	31.9%
SSP2 - CEPAM Double Migration	9.7%	10.4%	13.3%	18.4%	21.6%	25.6%	31.3%
SSP3 - Stalled Development	9.7%	10.4%	13.4%	17.5%	18.9%	19.4%	20.8%
Proportion below age 20							
SSP1 - Rapid Development	30.7%	28.9%	25.9%	20.3%	18.6%	16.5%	14.2%
SSP2 - CEPAM Zero Migration	30.7%	29.2%	27.0%	22.7%	21.5%	20.0%	18.4%
SSP2 - CEPAM Medium	30.7%	29.1%	26.9%	22.9%	21.6%	20.3%	18.7%
SSP2 - CEPAM Double Migration	30.7%	29.0%	26.9%	23.0%	21.7%	20.4%	18.8%
SSP3 - Stalled Development	30.7%	29.4%	28.8%	27.0%	26.9%	26.9%	26.6%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	33.3%	35.9%	41.4%	56.7%	63.2%	70.7%	78.4%
SSP2 - CEPAM Zero Migration	33.3%	36.3%	41.5%	52.4%	57.5%	64.1%	72.8%
SSP2 - CEPAM Medium	33.3%	35.7%	40.6%	51.0%	55.9%	62.4%	71.1%
SSP2 - CEPAM Double Migration	33.3%	35.1%	39.7%	49.9%	54.8%	61.2%	70.1%
SSP3 - Stalled Development	33.3%	31.7%	31.3%	31.4%	31.4%	31.4%	31.4%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	10.6	11.0	11.8	13.0	13.5	14.0	14.7
SSP2 - CEPAM Zero Migration	10.6	11.1	11.9	13.1	13.5	14.0	14.6
SSP2 - CEPAM Medium	10.6	11.0	11.8	12.8	13.2	13.7	14.3
SSP2 - CEPAM Double Migration	10.6	11.0	11.7	12.6	13.0	13.5	14.2
SSP3 - Stalled Development	10.6	10.9	11.4	12.0	12.1	12.2	12.2

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	2.03	1.86	1.68	1.56	1.56	1.56	1.56
SSP2 - CEPAM Zero Migration	2.10	1.99	1.89	1.79	1.78	1.78	1.78
SSP2 - CEPAM Medium	2.10	1.99	1.89	1.79	1.78	1.78	1.78
SSP2 - CEPAM Double Migration	2.10	1.99	1.89	1.79	1.78	1.78	1.78
SSP3 - Stalled Development	2.22	2.22	2.27	2.26	2.27	2.28	2.30
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	80.6	82.1	85.1	91.1	94.1	98.6	104.5
SSP2 - CEPAM Zero Migration	80.1	81.2	83.2	87.2	89.2	92.2	96.1
SSP2 - CEPAM Medium	80.1	81.2	83.1	87.1	89.1	92.1	96.0
SSP2 - CEPAM Double Migration	80.1	81.1	83.1	87.1	89.0	92.0	96.0
SSP3 - Stalled Development	79.6	80.1	81.1	83.0	84.0	85.3	87.2
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	3.1	3.2	3.4	3.6	3.5	3.2	2.5
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	3.1	3.3	3.6	4.2	4.3	4.2	3.9
SSP2 - CEPAM Double Migration	6.1	6.4	6.8	7.3	7.2	6.8	5.8
SSP3 - Stalled Development	2.1	1.1	0.0	0.0	0.0	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	32.7	33.6	36.5	41.2	43.2	45.9	48.6
Proportion age 65+	9.7%	10.5%	13.7%	19.4%	22.5%	26.4%	31.0%
Proportion RLE < 15 years	5.7%	5.9%	6.7%	10.1%	10.1%	10.8%	11.2%

New Zealand

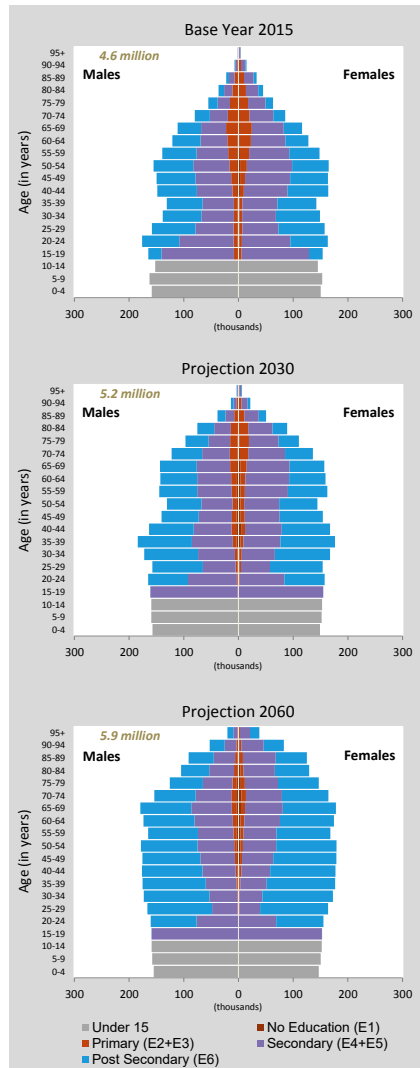
Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	4.61	4.80	5.15	5.45	5.70	5.92
Proportion age 65+	14.6%	16.4%	20.6%	23.6%	24.5%	26.9%
Proportion below age 20	26.9%	25.7%	24.2%	22.7%	21.6%	20.8%
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	1.96	1.91	1.85	1.82	1.80	1.79
Life expectancy at birth (in years)						
Male	80.5	81.5	83.5	85.6	87.6	88.7
Female	83.7	84.8	86.9	89.0	91.1	93.2
Five-year net-migration flow (in thousands)	42.1	45.9	52.6	58.4	62.7	64.1

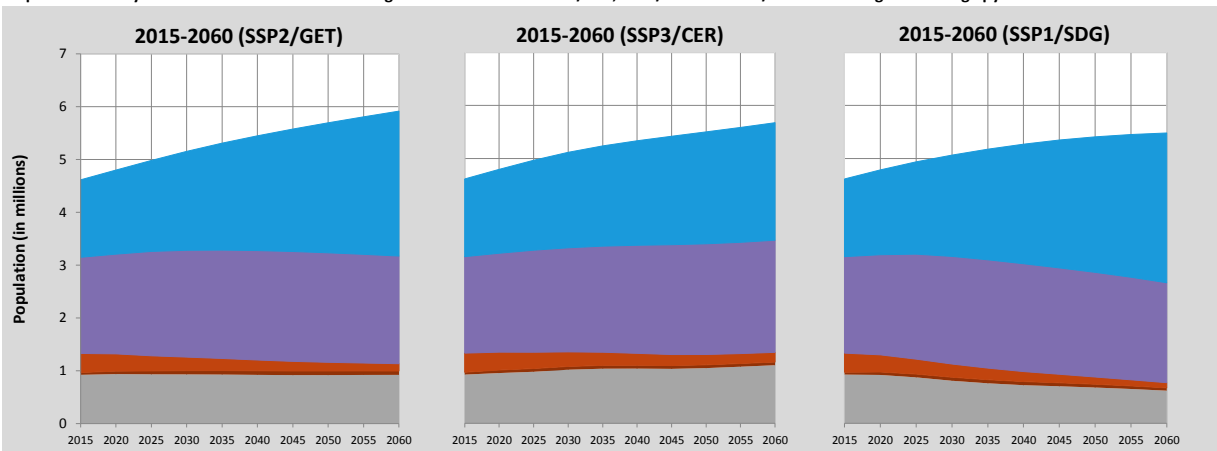
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	1.3%	1.6%	1.8%	1.9%	1.9%	1.7%
E2 - incomplete primary	0.0%	0.2%	0.4%	0.5%	0.6%	0.6%
E3 - primary	11.1%	9.4%	6.7%	4.7%	3.3%	2.5%
E4 - lower secondary	11.0%	10.2%	8.7%	7.3%	6.1%	5.1%
E5 - upper secondary	34.4%	34.3%	34.2%	33.8%	32.7%	31.2%
E6 - post-secondary	42.2%	44.3%	48.2%	51.8%	55.4%	58.9%
Mean years of schooling (in years)	13.0	13.2	13.5	13.8	14.0	14.2
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	1.03	0.96	0.90	0.87	0.84	0.81
E2 - incomplete primary	1.09	1.05	1.04	1.03	1.01	0.99
E3 - primary	1.04	1.04	1.03	1.04	1.08	1.09
E4 - lower secondary	0.98	1.01	1.06	1.13	1.19	1.23
E5 - upper secondary	0.86	0.88	0.91	0.95	0.99	1.03
E6 - post-secondary	1.12	1.09	1.05	1.02	0.99	0.97
Mean years of schooling (male minus female)	0.0	0.0	0.0	0.0	0.0	0.0
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	1.3%	1.6%	1.3%	1.1%	0.7%	0.4%
E2 - incomplete primary	0.0%	0.3%	0.4%	0.3%	0.2%	0.2%
E3 - primary	3.8%	3.3%	1.8%	1.0%	0.7%	0.6%
E4 - lower secondary	7.3%	6.4%	4.3%	3.0%	2.2%	1.7%
E5 - upper secondary	39.1%	38.1%	37.2%	35.2%	32.7%	30.0%
E6 - post-secondary	48.4%	50.3%	55.0%	59.3%	63.5%	67.1%
Mean years of schooling (in years)	13.9	13.9	14.2	14.4	14.7	14.8

Education scenarios
 SSP2/GET: Global Education Trend Scenario (Medium assumption)
 SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)
 SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

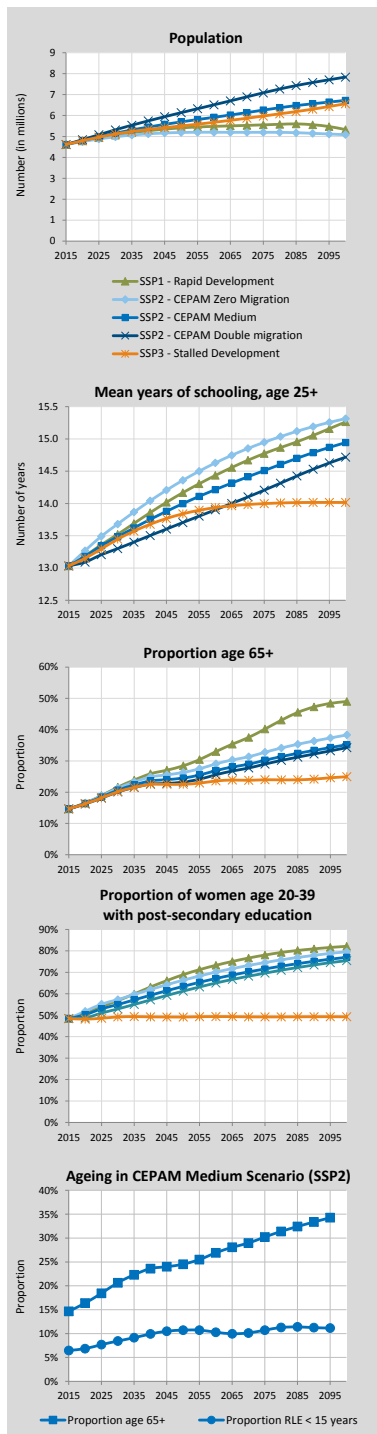
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



New Zealand (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)	2015 2020 2030 2050 2060 2075 2100						
	Population (in millions)						
SSP1 - Rapid Development	4.61	4.79	5.06	5.41	5.48	5.55	5.33
SSP2 - CEPAM Zero Migration	4.61	4.75	4.98	5.19	5.20	5.20	5.09
SSP2 - CEPAM Medium	4.61	4.80	5.15	5.70	5.92	6.26	6.72
SSP2 - CEPAM Double Migration	4.61	4.85	5.32	6.14	6.51	7.08	7.84
SSP3 - Stalled Development	4.61	4.80	5.12	5.50	5.68	5.98	6.56
Proportion age 65+							
SSP1 - Rapid Development	14.6%	16.5%	21.6%	28.4%	33.0%	40.2%	49.0%
SSP2 - CEPAM Zero Migration	14.6%	16.5%	21.3%	26.3%	29.1%	32.8%	38.3%
SSP2 - CEPAM Medium	14.6%	16.4%	20.6%	24.5%	26.9%	30.2%	35.2%
SSP2 - CEPAM Double Migration	14.6%	16.2%	20.1%	23.2%	25.6%	29.0%	34.2%
SSP3 - Stalled Development	14.6%	16.3%	20.2%	22.5%	23.6%	24.0%	24.9%
Proportion below age 20							
SSP1 - Rapid Development	26.9%	25.4%	22.1%	17.1%	15.5%	13.4%	11.5%
SSP2 - CEPAM Zero Migration	26.9%	25.7%	24.0%	20.9%	20.1%	18.7%	17.1%
SSP2 - CEPAM Medium	26.9%	25.7%	24.2%	21.6%	20.8%	19.7%	18.2%
SSP2 - CEPAM Double Migration	26.9%	25.7%	24.4%	22.0%	21.3%	20.2%	18.6%
SSP3 - Stalled Development	26.9%	26.0%	25.9%	25.2%	25.4%	25.3%	25.1%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	48.4%	50.8%	56.8%	68.9%	73.3%	78.1%	82.1%
SSP2 - CEPAM Zero Migration	48.4%	51.8%	57.3%	66.3%	70.1%	74.6%	79.6%
SSP2 - CEPAM Medium	48.4%	50.3%	55.0%	63.5%	67.1%	71.6%	77.0%
SSP2 - CEPAM Double Migration	48.4%	48.7%	53.0%	61.2%	65.0%	69.6%	75.5%
SSP3 - Stalled Development	48.4%	48.2%	49.2%	49.2%	49.4%	49.2%	49.3%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	13.0	13.2	13.5	14.2	14.4	14.8	15.3
SSP2 - CEPAM Zero Migration	13.0	13.3	13.7	14.4	14.6	14.9	15.3
SSP2 - CEPAM Medium	13.0	13.2	13.5	14.0	14.2	14.5	14.9
SSP2 - CEPAM Double Migration	13.0	13.1	13.3	13.7	13.9	14.2	14.7
SSP3 - Stalled Development	13.0	13.2	13.4	13.8	13.9	14.0	14.0

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.83	1.65	1.45	1.35	1.34	1.34	1.34
SSP2 - CEPAM Zero Migration	1.96	1.91	1.85	1.81	1.79	1.79	1.79
SSP2 - CEPAM Medium	1.96	1.91	1.85	1.80	1.79	1.79	1.78
SSP2 - CEPAM Double Migration	1.96	1.91	1.85	1.80	1.79	1.79	1.78
SSP3 - Stalled Development	2.08	2.15	2.24	2.27	2.27	2.28	2.28
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	84.2	85.8	88.9	95.1	98.2	102.8	104.7
SSP2 - CEPAM Zero Migration	83.7	84.8	86.9	91.2	93.3	96.5	100.7
SSP2 - CEPAM Medium	83.7	84.8	86.9	91.1	93.2	96.4	100.6
SSP2 - CEPAM Double Migration	83.7	84.8	86.9	91.0	93.1	96.3	100.5
SSP3 - Stalled Development	83.2	83.8	84.9	87.1	88.2	89.9	92.0
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	42.1	45.5	50.2	56.2	56.2	51.9	44.7
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	42.1	45.9	52.6	62.7	64.7	62.8	55.4
SSP2 - CEPAM Double Migration	84.2	89.8	98.1	107.2	105.1	93.4	70.8
SSP3 - Stalled Development	28.1	15.7	0.1	0.1	0.1	0.1	0.1

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	37.3	38.0	40.0	43.9	45.4	47.7	50.5
Proportion age 65+	14.6%	16.4%	20.6%	24.5%	26.9%	30.2%	34.3%
Proportion RLE < 15 years	6.5%	6.6%	8.2%	11.0%	10.8%	10.6%	11.0%

Nicaragua

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	6.08	6.45	7.04	7.46	7.69	7.70
Proportion age 65+	5.1%	6.1%	8.7%	11.9%	16.8%	22.1%
Proportion below age 20	40.0%	37.3%	32.6%	28.7%	25.8%	23.0%
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	2.23	2.13	1.98	1.89	1.74	1.75
Life expectancy at birth (in years)						
Male	72.7	73.7	75.6	77.6	79.5	80.5
Female	78.7	79.6	81.5	83.3	85.1	86.9
Five-year net-migration flow (in thousands)	-99.7	-105.5	-114.8	-120.9	-123.9	-123.8

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	20.8%	18.2%	13.8%	10.5%	7.8%	5.7%
E2 - incomplete primary	23.2%	21.6%	18.5%	15.4%	12.6%	10.0%
E3 - primary	21.5%	22.0%	22.1%	21.3%	19.9%	18.0%
E4 - lower secondary	9.6%	10.7%	12.7%	14.3%	15.5%	16.3%
E5 - upper secondary	14.0%	15.6%	18.8%	21.8%	24.8%	27.5%
E6 - post-secondary	10.9%	12.0%	14.2%	16.7%	19.4%	22.6%
Mean years of schooling (in years)	6.2	6.6	7.4	8.1	8.8	9.5

Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.97	0.98	0.98	0.99	1.01	1.04
E2 - incomplete primary	1.07	1.09	1.11	1.12	1.14	1.15
E3 - primary	1.03	1.04	1.05	1.06	1.09	1.11
E4 - lower secondary	1.04	1.04	1.05	1.07	1.08	1.12
E5 - upper secondary	0.89	0.90	0.93	0.96	0.99	1.02
E6 - post-secondary	0.96	0.93	0.88	0.83	0.79	0.77
Mean years of schooling (male minus female)	-0.1	-0.1	-0.1	-0.2	-0.2	-0.2

Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	12.4%	10.0%	5.9%	3.4%	1.9%	0.9%
E2 - incomplete primary	19.1%	16.4%	11.4%	7.6%	4.7%	2.7%
E3 - primary	23.0%	22.7%	21.1%	17.9%	14.0%	10.4%
E4 - lower secondary	12.6%	14.1%	16.7%	18.1%	18.4%	17.4%
E5 - upper secondary	20.3%	22.7%	27.4%	31.6%	35.4%	38.2%
E6 - post-secondary	12.5%	14.1%	17.4%	21.4%	25.7%	30.4%
Mean years of schooling (in years)	7.7	8.3	9.3	10.2	11.0	11.6

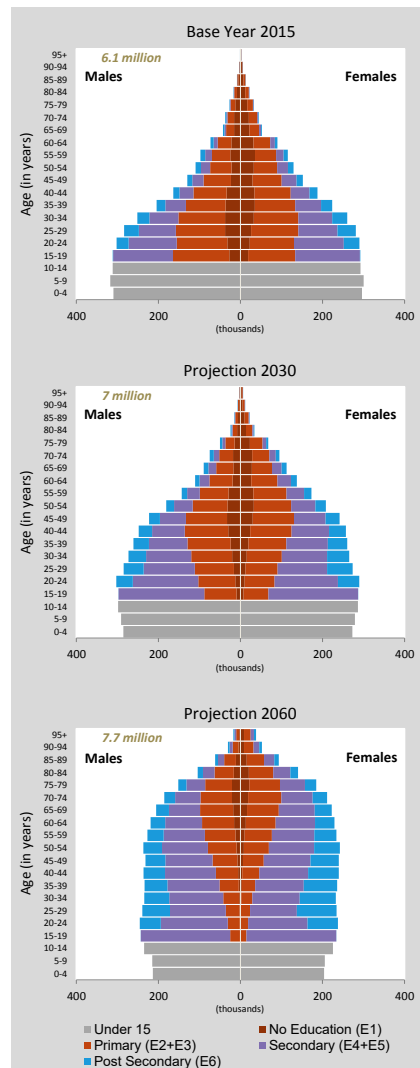
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

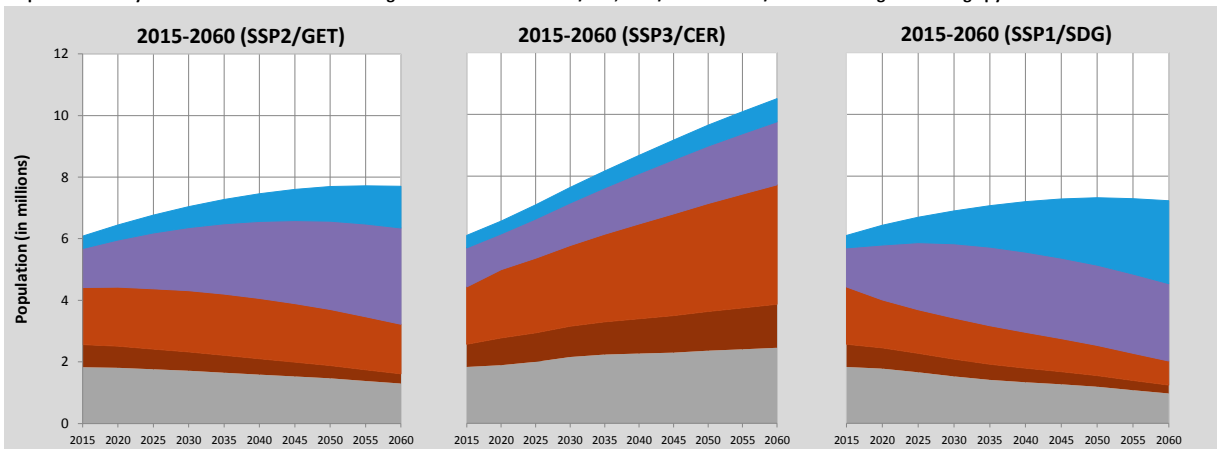
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

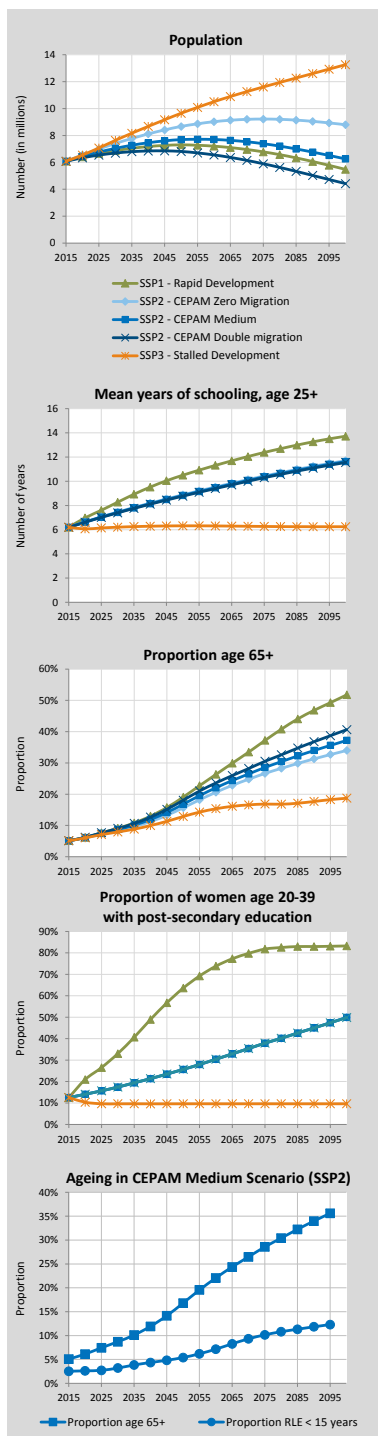
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Nicaragua (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	6.08	6.41	6.87	7.30	7.21	6.78	5.48
SSP2 - CEPAM Zero Migration	6.08	6.55	7.40	8.67	9.02	9.22	8.80
SSP2 - CEPAM Medium	6.08	6.45	7.04	7.69	7.70	7.39	6.26
SSP2 - CEPAM Double Migration	6.08	6.34	6.69	6.81	6.56	5.90	4.42
SSP3 - Stalled Development	6.08	6.55	7.64	9.65	10.51	11.60	13.26
Proportion age 65+							
SSP1 - Rapid Development	5.1%	6.2%	9.1%	19.1%	26.3%	37.2%	51.8%
SSP2 - CEPAM Zero Migration	5.1%	6.1%	8.4%	15.7%	20.6%	26.6%	34.0%
SSP2 - CEPAM Medium	5.1%	6.1%	8.7%	16.8%	22.1%	28.6%	37.2%
SSP2 - CEPAM Double Migration	5.1%	6.2%	9.0%	18.1%	23.6%	30.5%	40.6%
SSP3 - Stalled Development	5.1%	6.0%	7.9%	12.9%	15.3%	16.8%	18.7%
Proportion below age 20							
SSP1 - Rapid Development	40.0%	37.0%	30.6%	22.2%	18.8%	15.0%	10.9%
SSP2 - CEPAM Zero Migration	40.0%	37.1%	32.3%	25.5%	23.0%	20.2%	17.1%
SSP2 - CEPAM Medium	40.0%	37.3%	32.6%	25.8%	23.0%	20.0%	16.5%
SSP2 - CEPAM Double Migration	40.0%	37.6%	33.0%	26.1%	23.2%	19.8%	15.8%
SSP3 - Stalled Development	40.0%	37.9%	35.9%	32.1%	30.7%	29.3%	28.2%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	12.5%	21.0%	33.0%	63.6%	73.8%	81.8%	83.3%
SSP2 - CEPAM Zero Migration	12.5%	14.1%	17.4%	25.6%	30.4%	37.9%	49.9%
SSP2 - CEPAM Medium	12.5%	14.1%	17.4%	25.7%	30.4%	37.9%	49.9%
SSP2 - CEPAM Double Migration	12.5%	14.1%	17.4%	25.7%	30.4%	37.9%	49.8%
SSP3 - Stalled Development	12.5%	10.4%	9.6%	9.6%	9.6%	9.6%	9.6%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	6.2	7.0	8.3	10.5	11.3	12.4	13.7
SSP2 - CEPAM Zero Migration	6.2	6.6	7.5	8.9	9.5	10.4	11.7
SSP2 - CEPAM Medium	6.2	6.6	7.4	8.8	9.5	10.4	11.6
SSP2 - CEPAM Double Migration	6.2	6.6	7.4	8.8	9.4	10.3	11.5
SSP3 - Stalled Development	6.2	6.1	6.2	6.3	6.3	6.3	6.2

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	2.10	1.87	1.67	1.44	1.44	1.41	1.35
SSP2 - CEPAM Zero Migration	2.23	2.13	1.98	1.74	1.71	1.67	1.58
SSP2 - CEPAM Medium	2.23	2.13	1.98	1.74	1.71	1.67	1.58
SSP2 - CEPAM Double Migration	2.23	2.13	1.98	1.74	1.71	1.67	1.58
SSP3 - Stalled Development	2.49	2.64	2.62	2.37	2.34	2.34	2.32
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	79.2	80.8	83.7	89.4	92.3	96.6	102.5
SSP2 - CEPAM Zero Migration	78.7	79.6	81.5	85.1	86.9	89.7	93.3
SSP2 - CEPAM Medium	78.7	79.6	81.5	85.1	86.9	89.7	93.3
SSP2 - CEPAM Double Migration	78.7	79.6	81.5	85.1	86.9	89.7	93.3
SSP3 - Stalled Development	78.1	78.5	79.1	80.3	80.8	81.6	82.8
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-99.7	-105.0	-112.3	-118.3	-116.0	-107.9	-90.3
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-99.7	-105.5	-114.8	-123.9	-123.0	-116.5	-101.3
SSP2 - CEPAM Double Migration	-199.3	-207.3	-217.6	-217.9	-207.3	-183.0	-143.1
SSP3 - Stalled Development	-66.4	-35.7	-0.1	-0.1	-0.1	-0.1	-0.2

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	25.2	27.0	30.7	38.2	41.9	46.9	52.6
Proportion age 65+	5.1%	6.1%	8.7%	16.8%	22.1%	28.6%	35.6%
Proportion RLE < 15 years	2.5%	2.6%	3.1%	5.5%	7.2%	10.2%	12.2%

Niger

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	19.90	23.85	33.30	45.01	58.19	71.86
Proportion age 65+	2.5%	2.6%	2.9%	2.9%	3.1%	3.6%
Proportion below age 20	60.5%	60.4%	57.6%	53.9%	49.8%	44.8%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	6.81	6.24	5.26	4.38	3.60	3.27
Life expectancy at birth (in years)						
Male	59.5	60.4	62.1	63.8	65.5	66.3
Female	61.6	62.6	64.4	66.3	68.2	70.1
Five-year net-migration flow (in thousands)	-25.8	-35.1	-58.4	-88.5	-123.2	-141.4

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	76.7%	70.7%	58.8%	48.4%	38.4%	29.4%
E2 - incomplete primary	10.7%	12.6%	16.6%	19.8%	21.7%	21.9%
E3 - primary	7.4%	10.0%	14.3%	16.5%	19.0%	21.1%
E4 - lower secondary	2.8%	3.6%	5.6%	8.4%	11.3%	14.6%
E5 - upper secondary	1.0%	1.4%	2.5%	4.1%	6.1%	8.6%
E6 - post-secondary	1.5%	1.7%	2.2%	2.8%	3.5%	4.5%
Mean years of schooling (in years)	1.5	1.9	2.8	3.7	4.6	5.6
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.83	0.81	0.74	0.69	0.65	0.61
E2 - incomplete primary	1.57	1.64	1.56	1.36	1.22	1.10
E3 - primary	2.02	1.54	1.34	1.28	1.19	1.10
E4 - lower secondary	1.70	1.53	1.37	1.25	1.15	1.06
E5 - upper secondary	2.51	2.21	2.00	1.88	1.73	1.61
E6 - post-secondary	4.65	4.08	3.77	3.74	3.80	3.82
Mean years of schooling (male minus female)	0.5	0.6	0.7	0.8	0.8	0.9
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	62.7%	54.8%	44.0%	35.5%	25.5%	16.8%
E2 - incomplete primary	15.5%	17.9%	21.6%	23.3%	23.3%	21.2%
E3 - primary	14.3%	17.1%	18.8%	19.3%	21.8%	23.7%
E4 - lower secondary	4.6%	5.9%	8.7%	12.0%	15.6%	19.6%
E5 - upper secondary	1.6%	2.6%	4.4%	6.7%	9.7%	13.4%
E6 - post-secondary	1.3%	1.7%	2.4%	3.2%	4.1%	5.3%
Mean years of schooling (in years)	1.8	2.3	3.2	4.0	5.1	6.3

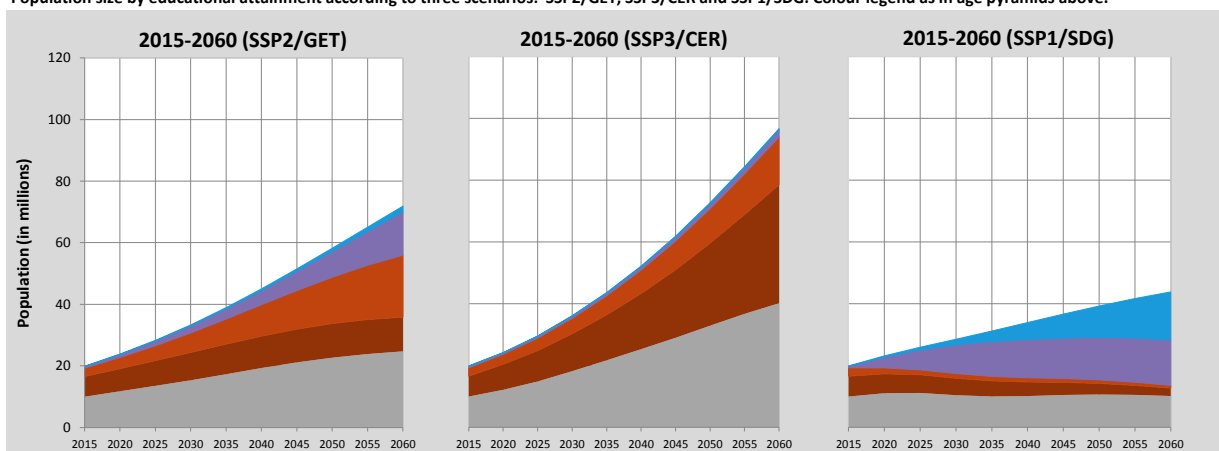
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

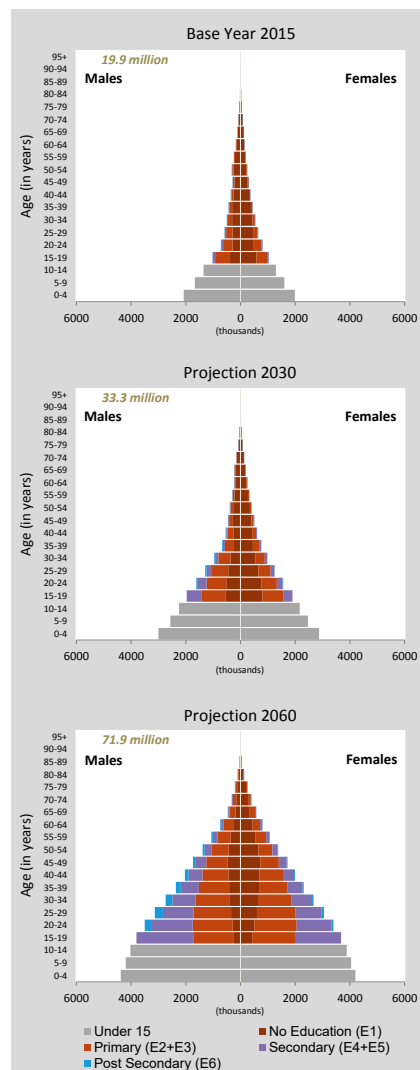
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

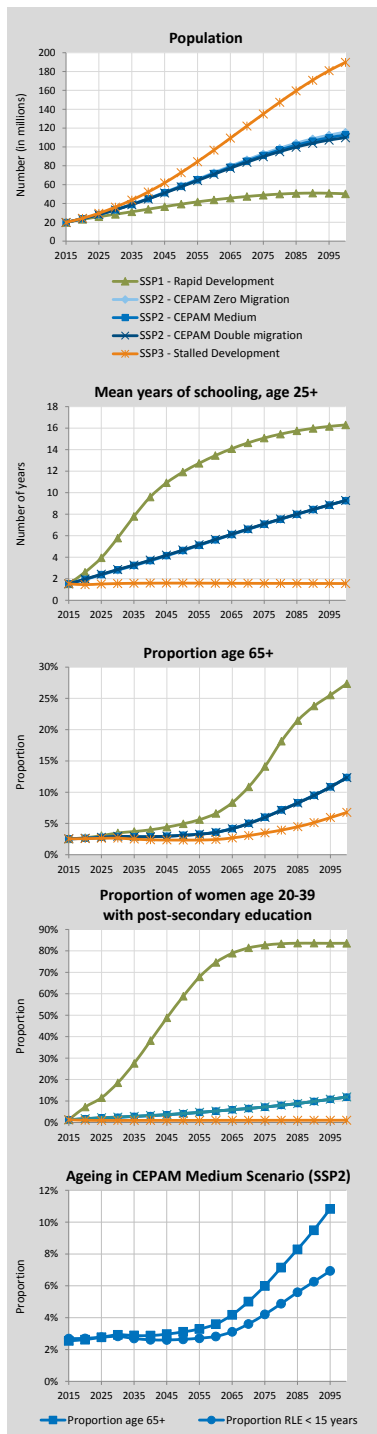
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



Niger (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)		2015	2020	2030	2050	2060	2075	2100
Population (in millions)								
SSP1 - Rapid Development		19.90	23.15	28.52	39.28	43.84	48.82	50.24
SSP2 - CEPAM Zero Migration		19.90	23.87	33.43	58.74	72.75	92.72	115.72
SSP2 - CEPAM Medium		19.90	23.85	33.30	58.19	71.86	91.15	112.74
SSP2 - CEPAM Double Migration		19.90	23.82	33.17	57.65	70.97	89.60	109.84
SSP3 - Stalled Development		19.90	24.24	36.14	72.70	96.68	134.96	189.83
Proportion age 65+								
SSP1 - Rapid Development		2.5%	2.7%	3.5%	4.9%	6.6%	14.1%	27.3%
SSP2 - CEPAM Zero Migration		2.5%	2.6%	2.9%	3.1%	3.6%	6.0%	12.3%
SSP2 - CEPAM Medium		2.5%	2.6%	2.9%	3.1%	3.6%	6.0%	12.3%
SSP2 - CEPAM Double Migration		2.5%	2.6%	2.9%	3.1%	3.6%	6.0%	12.3%
SSP3 - Stalled Development		2.5%	2.6%	2.6%	2.3%	2.4%	3.5%	6.8%
Proportion below age 20								
SSP1 - Rapid Development		60.5%	59.1%	50.1%	35.6%	31.3%	24.7%	17.7%
SSP2 - CEPAM Zero Migration		60.5%	60.3%	57.5%	49.7%	44.6%	37.1%	27.4%
SSP2 - CEPAM Medium		60.5%	60.4%	57.6%	49.8%	44.8%	37.3%	27.6%
SSP2 - CEPAM Double Migration		60.5%	60.4%	57.7%	50.0%	45.0%	37.5%	27.7%
SSP3 - Stalled Development		60.5%	61.0%	61.0%	56.5%	52.6%	45.5%	35.1%
Proportion of women age 20-39 with post-secondary education								
SSP1 - Rapid Development		1.3%	7.2%	18.5%	58.8%	74.6%	82.7%	83.6%
SSP2 - CEPAM Zero Migration		1.3%	1.7%	2.4%	4.1%	5.3%	7.2%	11.8%
SSP2 - CEPAM Medium		1.3%	1.7%	2.4%	4.1%	5.3%	7.2%	11.9%
SSP2 - CEPAM Double Migration		1.3%	1.8%	2.5%	4.2%	5.3%	7.2%	11.9%
SSP3 - Stalled Development		1.3%	1.0%	0.9%	1.0%	1.0%	1.0%	1.0%
Mean years of schooling, age 25+								
SSP1 - Rapid Development		1.5	2.6	5.8	11.9	13.5	15.1	16.3
SSP2 - CEPAM Zero Migration		1.5	1.9	2.8	4.6	5.6	7.1	9.3
SSP2 - CEPAM Medium		1.5	1.9	2.8	4.6	5.6	7.1	9.3
SSP2 - CEPAM Double Migration		1.5	2.0	2.9	4.7	5.7	7.1	9.3
SSP3 - Stalled Development		1.5	1.5	1.6	1.6	1.6	1.6	1.6

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	5.87	4.41	2.89	2.10	1.92	1.65	1.36
SSP2 - CEPAM Zero Migration	6.81	6.24	5.26	3.61	2.98	2.34	1.85
SSP2 - CEPAM Medium	6.81	6.24	5.26	3.60	2.98	2.34	1.85
SSP2 - CEPAM Double Migration	6.80	6.23	5.25	3.60	2.98	2.34	1.85
SSP3 - Stalled Development	7.42	7.42	6.87	5.01	4.13	3.17	2.41
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	62.2	64.2	68.2	74.7	77.5	81.9	87.8
SSP2 - CEPAM Zero Migration	61.6	62.5	64.4	68.2	70.1	72.9	76.7
SSP2 - CEPAM Medium	61.6	62.6	64.4	68.2	70.1	72.9	76.7
SSP2 - CEPAM Double Migration	61.6	62.6	64.4	68.2	70.1	72.9	76.7
SSP3 - Stalled Development	61.1	61.4	62.1	63.2	63.7	64.4	65.3
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-25.9	-33.4	-46.2	-73.4	-85.7	-99.4	-104.9
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-25.8	-35.1	-58.4	-123.2	-159.6	-211.1	-259.7
SSP2 - CEPAM Double Migration	-51.7	-70.2	-116.5	-244.3	-315.4	-414.7	-506.0
SSP3 - Stalled Development	-17.2	-12.0	0.0	-0.1	-0.2	-0.3	-0.4

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	14.9	15.3	16.7	20.1	22.7	27.2	33.7
Proportion age 65+	2.5%	2.6%	2.9%	3.1%	3.6%	6.0%	10.8%
Proportion RLE < 15 years	2.7%	2.6%	2.5%	2.7%	3.0%	4.2%	6.8%

Nigeria

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	181.18	205.18	257.75	317.02	379.01	438.43
Proportion age 65+	2.7%	2.8%	3.0%	3.4%	4.2%	5.0%
Proportion below age 20	54.4%	53.8%	50.8%	47.4%	44.4%	40.5%
Total Fertility Rate	5.22	4.82	4.16	3.62	3.10	2.86
Life expectancy at birth (in years)						
Male	53.3	54.5	57.0	59.4	61.9	63.1
Female	54.9	56.3	59.0	61.8	64.5	67.3
Five-year net-migration flow (in thousands)	-73.8	-97.3	-153.0	-221.2	-296.2	-334.1

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	41.0%	35.5%	25.2%	17.2%	11.4%	7.2%
E2 - incomplete primary	4.9%	4.7%	4.4%	3.9%	3.3%	2.6%
E3 - primary	17.6%	17.5%	17.0%	15.5%	13.5%	11.0%
E4 - lower secondary	5.4%	6.3%	7.9%	8.9%	9.6%	9.8%
E5 - upper secondary	18.8%	21.8%	27.9%	33.7%	38.2%	41.8%
E6 - post-secondary	12.4%	14.1%	17.5%	20.8%	24.1%	27.6%
Mean years of schooling (in years)	6.1	6.9	8.3	9.5	10.4	11.3
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.63	0.61	0.59	0.59	0.59	0.59
E2 - incomplete primary	0.75	0.74	0.77	0.76	0.74	0.74
E3 - primary	1.07	1.02	0.97	0.90	0.85	0.81
E4 - lower secondary	1.21	1.17	1.04	0.96	0.89	0.83
E5 - upper secondary	1.77	1.60	1.34	1.19	1.11	1.06
E6 - post-secondary	1.83	1.66	1.45	1.35	1.29	1.26
Mean years of schooling (male minus female)	1.3	1.2	1.0	0.8	0.6	0.5
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	30.3%	24.3%	13.5%	7.8%	4.2%	2.1%
E2 - incomplete primary	3.8%	3.9%	3.9%	3.2%	2.4%	1.6%
E3 - primary	16.0%	15.7%	15.2%	13.1%	10.1%	7.1%
E4 - lower secondary	8.0%	8.5%	9.7%	10.1%	10.2%	9.5%
E5 - upper secondary	28.3%	31.9%	38.3%	43.0%	46.8%	49.8%
E6 - post-secondary	13.5%	15.7%	19.4%	22.8%	26.3%	29.9%
Mean years of schooling (in years)	6.4	7.4	9.3	10.4	11.3	12.0

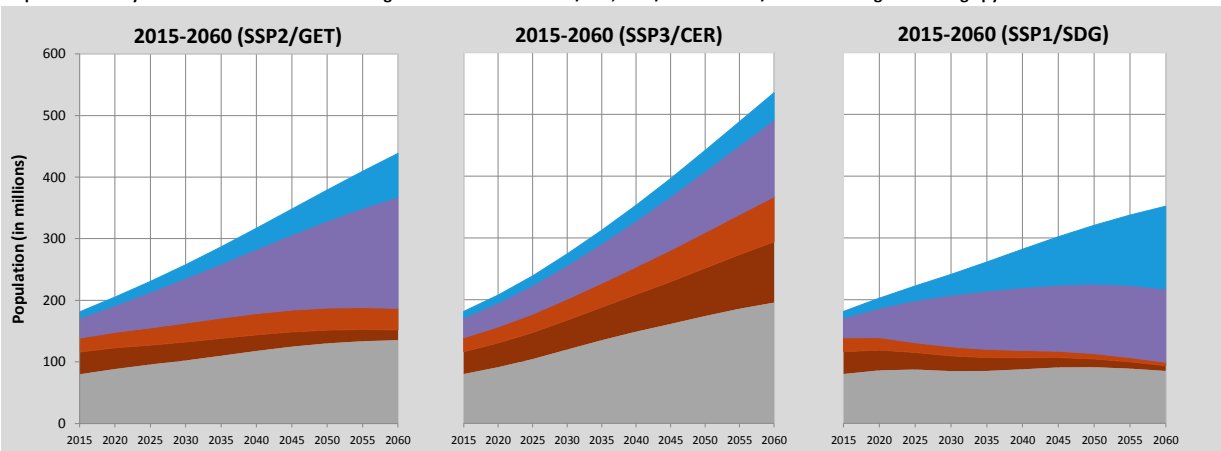
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

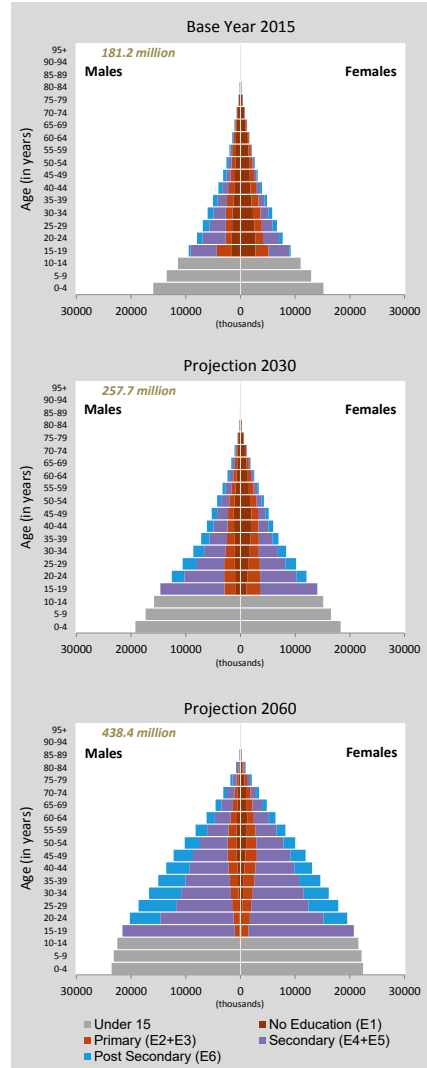
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

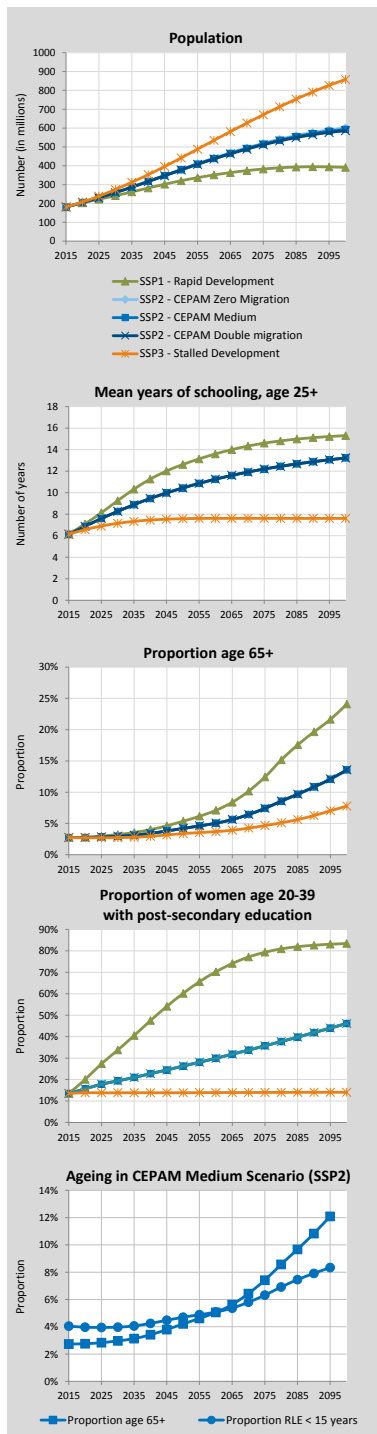
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



Nigeria (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	181.18	202.61	241.03	320.48	351.43	382.84	391.28
SSP2 - CEPAM Zero Migration	181.18	205.26	258.12	380.51	440.80	519.34	600.96
SSP2 - CEPAM Medium	181.18	205.18	257.75	379.01	438.43	515.30	593.49
SSP2 - CEPAM Double Migration	181.18	205.09	257.37	377.50	436.04	511.23	586.02
SSP3 - Stalled Development	181.18	207.68	274.22	441.67	535.02	670.75	858.37
Proportion age 65+							
SSP1 - Rapid Development	2.7%	2.8%	3.2%	5.4%	7.1%	12.4%	24.1%
SSP2 - CEPAM Zero Migration	2.7%	2.8%	3.0%	4.2%	5.0%	7.4%	13.5%
SSP2 - CEPAM Medium	2.7%	2.8%	3.0%	4.2%	5.0%	7.4%	13.5%
SSP2 - CEPAM Double Migration	2.7%	2.8%	3.0%	4.2%	5.0%	7.4%	13.6%
SSP3 - Stalled Development	2.7%	2.7%	2.7%	3.4%	3.7%	4.7%	7.8%
Proportion below age 20							
SSP1 - Rapid Development	54.4%	53.2%	47.1%	37.3%	32.7%	25.9%	17.9%
SSP2 - CEPAM Zero Migration	54.4%	53.8%	50.8%	44.3%	40.5%	34.4%	26.3%
SSP2 - CEPAM Medium	54.4%	53.8%	50.8%	44.4%	40.5%	34.4%	26.3%
SSP2 - CEPAM Double Migration	54.4%	53.8%	50.9%	44.4%	40.6%	34.5%	26.4%
SSP3 - Stalled Development	54.4%	54.4%	54.0%	50.0%	46.9%	41.5%	34.5%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	13.5%	20.1%	33.8%	60.2%	70.3%	79.4%	83.4%
SSP2 - CEPAM Zero Migration	13.5%	15.7%	19.4%	26.3%	29.9%	35.7%	46.2%
SSP2 - CEPAM Medium	13.5%	15.7%	19.4%	26.3%	29.9%	35.7%	46.2%
SSP2 - CEPAM Double Migration	13.5%	15.7%	19.4%	26.3%	29.9%	35.7%	46.2%
SSP3 - Stalled Development	13.5%	13.9%	13.8%	13.9%	13.9%	14.0%	14.1%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	6.1	7.1	9.3	12.6	13.6	14.6	15.3
SSP2 - CEPAM Zero Migration	6.1	6.9	8.3	10.4	11.3	12.2	13.2
SSP2 - CEPAM Medium	6.1	6.9	8.3	10.4	11.3	12.2	13.2
SSP2 - CEPAM Double Migration	6.1	6.9	8.3	10.4	11.3	12.2	13.2
SSP3 - Stalled Development	6.1	6.6	7.2	7.6	7.6	7.6	7.6

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	4.79	3.98	3.07	2.25	1.92	1.57	1.32
SSP2 - CEPAM Zero Migration	5.22	4.82	4.16	3.10	2.64	2.15	1.79
SSP2 - CEPAM Medium	5.22	4.82	4.16	3.10	2.64	2.15	1.79
SSP2 - CEPAM Double Migration	5.22	4.82	4.16	3.10	2.64	2.15	1.79
SSP3 - Stalled Development	5.65	5.68	5.33	4.03	3.44	2.84	2.42
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	55.5	57.7	62.0	69.6	73.2	78.7	86.1
SSP2 - CEPAM Zero Migration	54.9	56.3	59.0	64.5	67.3	71.4	76.9
SSP2 - CEPAM Medium	54.9	56.3	59.0	64.5	67.3	71.4	76.9
SSP2 - CEPAM Double Migration	54.9	56.3	59.0	64.5	67.3	71.4	76.9
SSP3 - Stalled Development	54.4	54.9	55.9	58.3	59.7	62.0	65.4
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-73.8	-95.0	-136.2	-232.3	-274.2	-321.5	-350.0
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-73.8	-97.3	-153.0	-296.2	-371.4	-472.6	-567.5
SSP2 - CEPAM Double Migration	-147.5	-195.4	-308.1	-595.5	-745.0	-944.3	-1127.4
SSP3 - Stalled Development	-49.2	-33.1	-0.2	-0.3	-0.5	-0.6	-0.8

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	17.9	18.2	19.6	23.1	25.3	29.3	35.2
Proportion age 65+	2.7%	2.8%	3.0%	4.2%	5.0%	7.4%	12.1%
Proportion RLE < 15 years	4.1%	4.1%	4.0%	4.7%	5.1%	6.2%	8.2%

North Korea

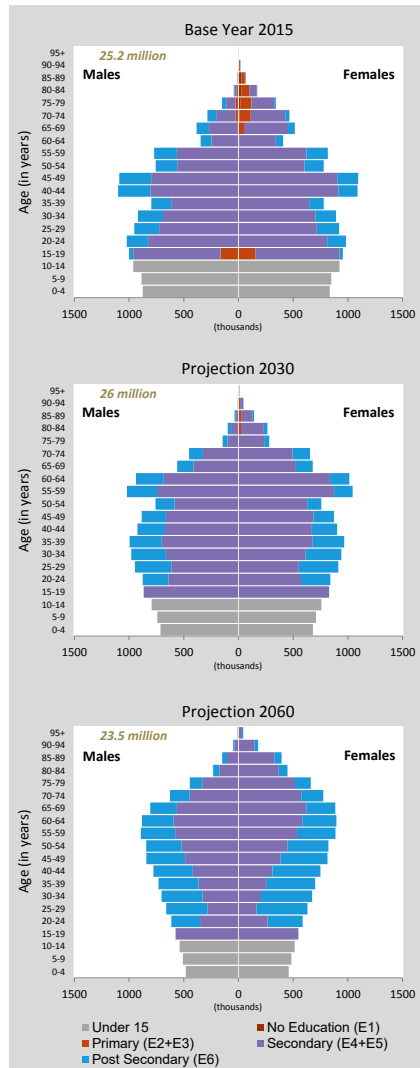
Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	25.24	25.68	26.03	25.73	24.81	23.51
Proportion age 65+	9.7%	9.4%	13.0%	19.2%	20.9%	24.3%
Proportion below age 20	28.8%	26.8%	23.4%	20.7%	18.8%	17.5%
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	1.74	1.58	1.46	1.40	1.39	1.40
Life expectancy at birth (in years)						
Male	68.3	69.3	71.4	73.5	75.6	76.7
Female	75.4	76.4	78.5	80.6	82.7	84.8
Five-year net-migration flow (in thousands)	-7.0	-6.5	-5.3	-3.7	-1.9	-1.0

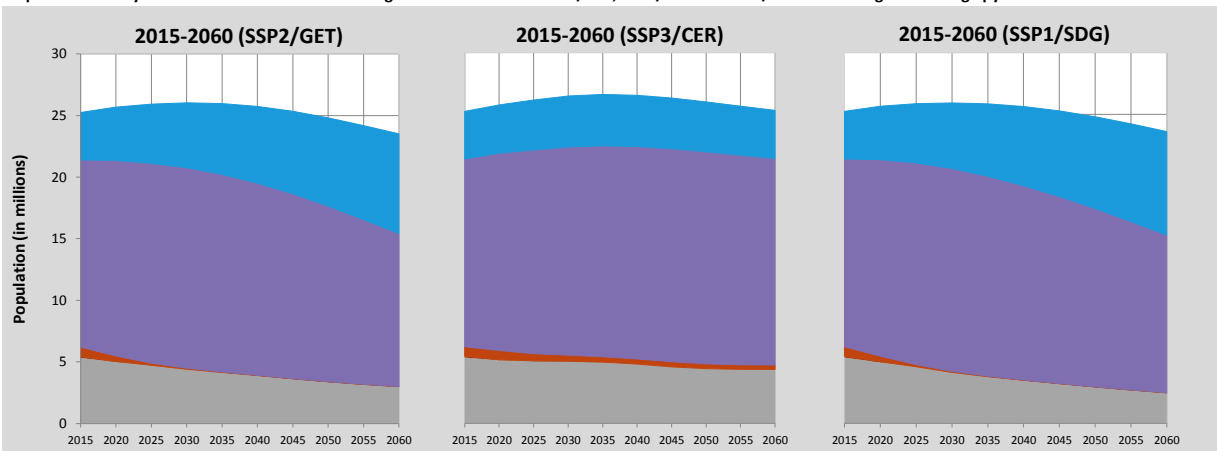
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	0.7%	0.3%	0.1%	0.0%	0.0%	0.0%
E2 - incomplete primary	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
E3 - primary	2.8%	1.7%	0.4%	0.1%	0.0%	0.0%
E4 - lower secondary	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%
E5 - upper secondary	75.1%	75.1%	73.3%	69.8%	64.8%	58.6%
E6 - post-secondary	21.4%	22.9%	26.1%	30.0%	35.0%	41.2%
Mean years of schooling (in years)	10.6	10.8	11.2	11.6	11.9	12.3
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.12	0.11	0.25	0.73	0.88	0.84
E2 - incomplete primary	1.10	1.39	1.36	1.33	1.29	1.21
E3 - primary	0.24	0.19	0.13	0.30	1.09	1.28
E4 - lower secondary	1.10	1.51	1.50	1.48	1.46	1.41
E5 - upper secondary	0.95	0.94	0.95	0.98	1.01	1.06
E6 - post-secondary	1.49	1.37	1.18	1.06	0.99	0.92
Mean years of schooling (male minus female)	0.3	0.2	0.1	0.1	0.0	0.0
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
E2 - incomplete primary	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
E3 - primary	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
E4 - lower secondary	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
E5 - upper secondary	78.9%	74.9%	67.5%	59.2%	50.1%	41.7%
E6 - post-secondary	21.1%	25.0%	32.5%	40.8%	49.9%	58.2%
Mean years of schooling (in years)	10.8	11.3	12.1	12.8	13.2	13.6

Education scenarios
 SSP2/GET: Global Education Trend Scenario (Medium assumption)
 SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)
 SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

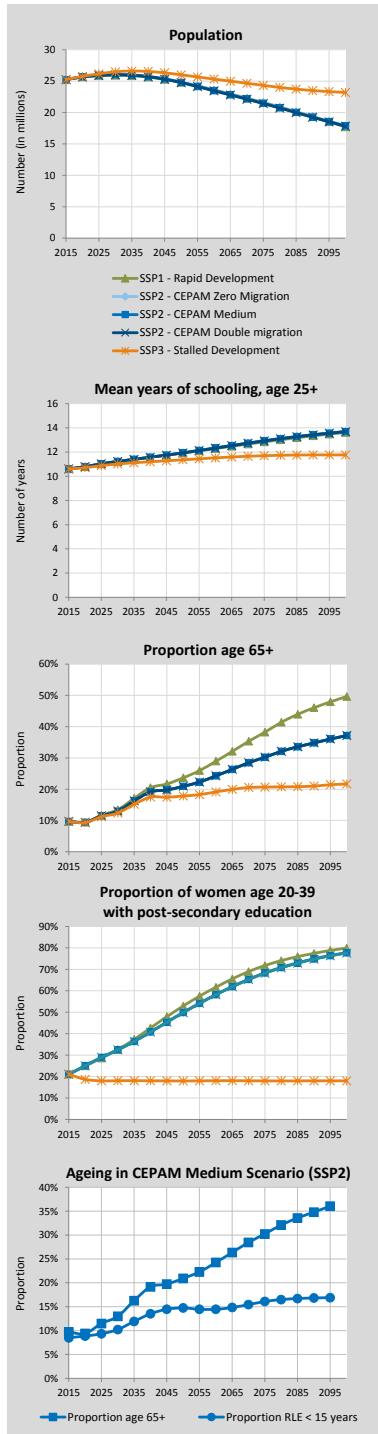
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



North Korea (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	25.24	25.66	25.93	24.81	23.61	21.60	17.72
SSP2 - CEPAM Zero Migration	25.24	25.69	26.05	24.85	23.57	21.55	17.91
SSP2 - CEPAM Medium	25.24	25.68	26.03	24.81	23.51	21.49	17.87
SSP2 - CEPAM Double Migration	25.24	25.67	26.00	24.76	23.45	21.43	17.82
SSP3 - Stalled Development	25.24	25.76	26.48	26.01	25.33	24.32	23.19
Proportion age 65+							
SSP1 - Rapid Development	9.7%	9.4%	13.4%	23.6%	29.0%	38.2%	49.6%
SSP2 - CEPAM Zero Migration	9.7%	9.4%	13.0%	20.9%	24.2%	30.2%	37.2%
SSP2 - CEPAM Medium	9.7%	9.4%	13.0%	20.9%	24.3%	30.2%	37.2%
SSP2 - CEPAM Double Migration	9.7%	9.4%	13.0%	20.9%	24.3%	30.2%	37.1%
SSP3 - Stalled Development	9.7%	9.3%	12.4%	17.8%	19.1%	20.7%	21.7%
Proportion below age 20							
SSP1 - Rapid Development	28.8%	26.6%	22.4%	16.6%	14.6%	12.6%	10.7%
SSP2 - CEPAM Zero Migration	28.8%	26.7%	23.4%	18.9%	17.5%	16.2%	15.1%
SSP2 - CEPAM Medium	28.8%	26.8%	23.4%	18.8%	17.5%	16.2%	15.1%
SSP2 - CEPAM Double Migration	28.8%	26.8%	23.4%	18.8%	17.5%	16.2%	15.0%
SSP3 - Stalled Development	28.8%	27.1%	25.3%	23.1%	23.0%	23.2%	24.1%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	21.1%	24.9%	32.6%	52.9%	61.7%	71.8%	79.9%
SSP2 - CEPAM Zero Migration	21.1%	25.1%	32.5%	49.9%	58.3%	68.4%	77.8%
SSP2 - CEPAM Medium	21.1%	25.0%	32.5%	49.9%	58.2%	68.3%	77.7%
SSP2 - CEPAM Double Migration	21.1%	25.0%	32.5%	49.8%	58.1%	68.2%	77.6%
SSP3 - Stalled Development	21.1%	18.7%	18.1%	18.0%	18.1%	18.0%	18.0%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	10.6	10.8	11.2	11.9	12.3	12.8	13.6
SSP2 - CEPAM Zero Migration	10.6	10.8	11.2	11.9	12.3	12.9	13.7
SSP2 - CEPAM Medium	10.6	10.8	11.2	11.9	12.3	12.9	13.7
SSP2 - CEPAM Double Migration	10.6	10.8	11.2	11.9	12.3	12.9	13.7
SSP3 - Stalled Development	10.6	10.7	11.0	11.4	11.5	11.7	11.8

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.68	1.47	1.30	1.22	1.23	1.28	1.33
SSP2 - CEPAM Zero Migration	1.74	1.58	1.46	1.39	1.42	1.46	1.52
SSP2 - CEPAM Medium	1.74	1.58	1.46	1.39	1.42	1.46	1.52
SSP2 - CEPAM Double Migration	1.74	1.58	1.46	1.39	1.42	1.46	1.52
SSP3 - Stalled Development	1.87	1.82	1.82	1.84	1.89	1.97	2.06
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	75.9	77.4	80.5	86.7	89.8	94.4	100.6
SSP2 - CEPAM Zero Migration	75.4	76.4	78.5	82.7	84.8	87.9	92.1
SSP2 - CEPAM Medium	75.4	76.4	78.5	82.7	84.8	87.9	92.1
SSP2 - CEPAM Double Migration	75.4	76.4	78.5	82.7	84.8	87.9	92.1
SSP3 - Stalled Development	74.9	75.4	76.4	78.5	79.6	81.1	83.2
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-7.1	-6.6	-5.7	-3.3	-2.2	-0.9	0.4
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-7.0	-6.5	-5.3	-1.9	-0.2	1.9	4.1
SSP2 - CEPAM Double Migration	-14.1	-13.2	-10.8	-4.2	-0.9	3.1	7.3
SSP3 - Stalled Development	-4.7	-2.2	0.0	0.0	0.0	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	34.0	35.5	38.7	45.1	47.5	50.9	54.3
Proportion age 65+	9.7%	9.4%	13.0%	20.9%	24.3%	30.2%	36.0%
Proportion RLE < 15 years	8.4%	8.6%	9.1%	14.8%	14.0%	15.6%	16.9%

Norway

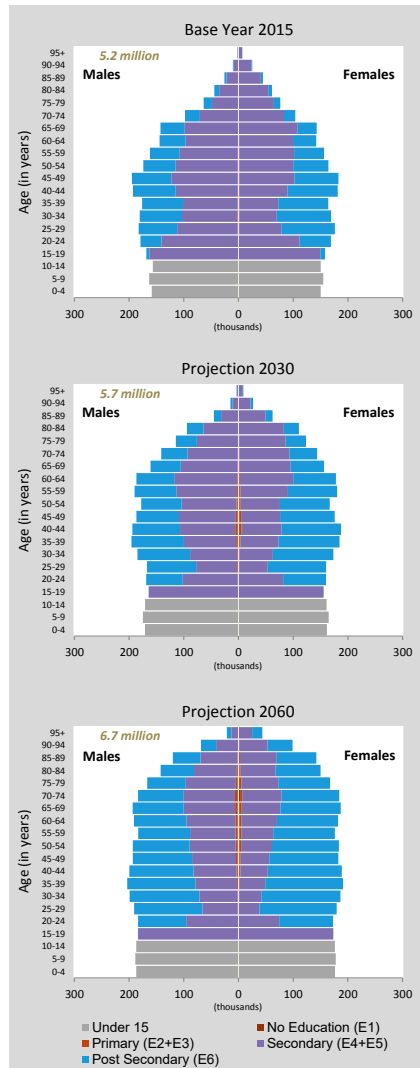
Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	5.20	5.38	5.75	6.07	6.38	6.70
Proportion age 65+	16.3%	17.7%	21.0%	24.4%	26.0%	27.9%
Proportion below age 20	24.2%	23.6%	23.0%	22.4%	21.8%	21.6%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	1.87	1.92	1.96	1.99	2.00	1.99
Life expectancy at birth (in years)						
Male	80.5	81.6	83.6	85.7	87.7	88.8
Female	84.3	85.3	87.5	89.6	91.7	93.9
Five-year net-migration flow (in thousands)	61.7	65.7	72.6	78.5	83.0	84.6

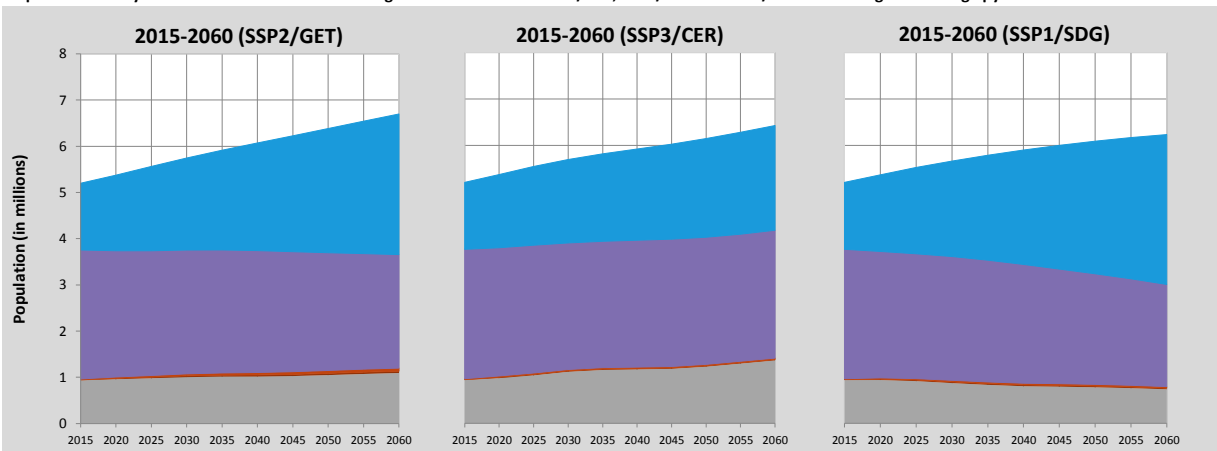
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	0.3%	0.5%	0.7%	0.8%	0.8%	0.8%
E2 - incomplete primary	0.0%	0.1%	0.2%	0.3%	0.3%	0.4%
E3 - primary	0.4%	0.6%	0.8%	0.9%	1.0%	1.0%
E4 - lower secondary	22.4%	20.4%	17.2%	14.8%	12.5%	10.3%
E5 - upper secondary	39.6%	38.4%	36.0%	33.6%	31.2%	29.2%
E6 - post-secondary	37.2%	40.1%	45.1%	49.6%	54.1%	58.4%
Mean years of schooling (in years)	12.7	12.9	13.3	13.7	14.0	14.4
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.65	0.70	0.72	0.74	0.75	0.75
E2 - incomplete primary	1.00	1.12	1.10	1.10	1.08	1.06
E3 - primary	0.83	0.94	1.02	1.06	1.07	1.08
E4 - lower secondary	0.94	0.98	1.06	1.13	1.20	1.27
E5 - upper secondary	1.14	1.16	1.19	1.24	1.31	1.36
E6 - post-secondary	0.91	0.88	0.86	0.83	0.82	0.82
Mean years of schooling (male minus female)	0.0	-0.1	-0.1	-0.2	-0.2	-0.2
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	0.3%	0.5%	0.5%	0.5%	0.4%	0.3%
E2 - incomplete primary	0.0%	0.2%	0.2%	0.2%	0.2%	0.1%
E3 - primary	0.5%	0.7%	0.6%	0.5%	0.4%	0.3%
E4 - lower secondary	20.8%	17.2%	10.9%	7.8%	5.4%	3.7%
E5 - upper secondary	35.0%	33.9%	33.5%	32.6%	31.2%	29.7%
E6 - post-secondary	43.4%	47.5%	54.2%	58.4%	62.4%	65.8%
Mean years of schooling (in years)	13.9	14.2	14.6	14.8	15.1	15.2

Education scenarios
 SSP2/GET: Global Education Trend Scenario (Medium assumption)
 SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)
 SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

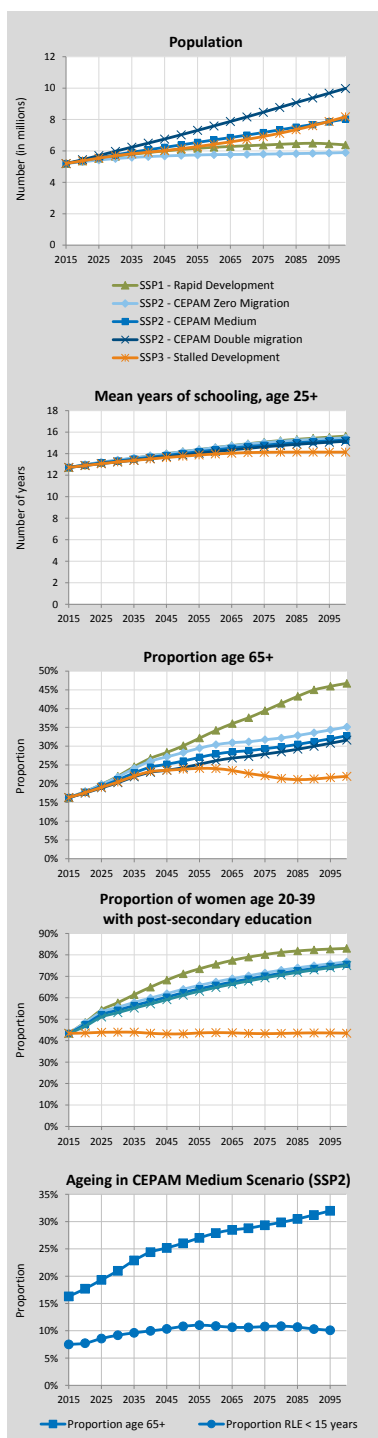
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Norway (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	5.20	5.36	5.66	6.09	6.23	6.37	6.38
SSP2 - CEPAM Zero Migration	5.20	5.31	5.51	5.72	5.76	5.80	5.90
SSP2 - CEPAM Medium	5.20	5.38	5.75	6.38	6.70	7.17	8.03
SSP2 - CEPAM Double Migration	5.20	5.44	5.98	7.03	7.59	8.47	9.98
SSP3 - Stalled Development	5.20	5.37	5.69	6.14	6.43	6.92	8.17
Proportion age 65+							
SSP1 - Rapid Development	16.3%	17.9%	22.0%	30.1%	34.2%	39.5%	46.7%
SSP2 - CEPAM Zero Migration	16.3%	17.9%	21.8%	28.3%	30.4%	31.7%	35.1%
SSP2 - CEPAM Medium	16.3%	17.7%	21.0%	26.0%	27.9%	29.3%	32.8%
SSP2 - CEPAM Double Migration	16.3%	17.5%	20.2%	24.3%	26.1%	27.9%	31.6%
SSP3 - Stalled Development	16.3%	17.6%	20.4%	23.9%	24.0%	22.1%	21.9%
Proportion below age 20							
SSP1 - Rapid Development	24.2%	23.2%	21.0%	17.3%	16.1%	14.4%	12.4%
SSP2 - CEPAM Zero Migration	24.2%	23.6%	22.8%	21.4%	21.2%	20.5%	19.2%
SSP2 - CEPAM Medium	24.2%	23.6%	23.0%	21.8%	21.6%	21.0%	19.6%
SSP2 - CEPAM Double Migration	24.2%	23.5%	23.2%	22.2%	22.0%	21.2%	19.8%
SSP3 - Stalled Development	24.2%	23.9%	25.1%	26.2%	27.4%	28.0%	27.8%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	43.4%	48.5%	57.7%	71.2%	75.6%	80.2%	83.0%
SSP2 - CEPAM Zero Migration	43.4%	48.3%	55.6%	64.0%	67.4%	71.6%	76.7%
SSP2 - CEPAM Medium	43.4%	47.5%	54.2%	62.4%	65.8%	70.2%	75.6%
SSP2 - CEPAM Double Migration	43.4%	46.7%	53.1%	61.2%	64.8%	69.3%	75.0%
SSP3 - Stalled Development	43.4%	43.6%	44.0%	43.2%	43.8%	43.3%	43.5%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	12.7	12.9	13.4	14.2	14.6	15.1	15.6
SSP2 - CEPAM Zero Migration	12.7	13.0	13.4	14.2	14.6	15.0	15.5
SSP2 - CEPAM Medium	12.7	12.9	13.3	14.0	14.4	14.8	15.3
SSP2 - CEPAM Double Migration	12.7	12.9	13.2	13.9	14.2	14.6	15.2
SSP3 - Stalled Development	12.7	12.9	13.2	13.8	14.0	14.1	14.1

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.75	1.66	1.54	1.50	1.49	1.47	1.44
SSP2 - CEPAM Zero Migration	1.87	1.93	1.97	2.00	1.99	1.96	1.92
SSP2 - CEPAM Medium	1.87	1.92	1.96	2.00	1.99	1.96	1.92
SSP2 - CEPAM Double Migration	1.87	1.92	1.96	1.99	1.98	1.95	1.92
SSP3 - Stalled Development	2.01	2.22	2.45	2.57	2.55	2.51	2.46
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	84.8	86.3	89.5	95.7	98.8	103.5	106.7
SSP2 - CEPAM Zero Migration	84.3	85.3	87.5	91.8	93.9	97.1	101.4
SSP2 - CEPAM Medium	84.3	85.3	87.5	91.7	93.9	97.0	101.3
SSP2 - CEPAM Double Migration	84.3	85.3	87.4	91.7	93.8	97.0	101.2
SSP3 - Stalled Development	83.8	84.3	85.5	87.7	88.8	90.5	92.7
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	61.8	65.4	70.5	76.6	77.0	74.8	67.8
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	61.7	65.7	72.6	83.0	85.8	87.0	84.1
SSP2 - CEPAM Double Migration	123.4	130.5	142.7	159.5	163.1	162.8	153.9
SSP3 - Stalled Development	41.1	22.1	0.1	0.1	0.1	0.1	0.1

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	39.2	40.0	42.0	44.6	45.1	46.3	48.1
Proportion age 65+	16.3%	17.7%	21.0%	26.0%	27.9%	29.3%	32.0%
Proportion RLE < 15 years	7.9%	7.6%	9.1%	10.5%	10.8%	10.6%	10.0%

Oman

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	4.20	4.64	5.34	5.89	6.37	6.62
Proportion age 65+	2.3%	2.9%	5.5%	10.4%	20.9%	29.6%
Proportion below age 20	27.8%	28.8%	26.8%	20.5%	18.7%	17.8%
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	2.58	2.30	2.00	1.82	1.73	1.71
Life expectancy at birth (in years)						
Male	75.7	76.6	78.5	80.5	82.4	83.4
Female	79.8	80.8	82.8	84.7	86.7	88.6
Five-year net-migration flow (in thousands)	108.7	113.1	122.2	130.7	137.5	140.4

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	14.9%	12.7%	9.7%	6.9%	4.8%	3.3%
E2 - incomplete primary	13.9%	12.5%	10.7%	8.6%	6.5%	4.8%
E3 - primary	16.7%	16.4%	15.7%	14.2%	12.3%	10.5%
E4 - lower secondary	13.7%	14.7%	15.7%	16.4%	16.4%	16.0%
E5 - upper secondary	21.1%	22.4%	24.4%	26.7%	29.1%	31.2%
E6 - post-secondary	19.7%	21.3%	23.7%	27.2%	30.9%	34.2%
Mean years of schooling (in years)	8.7	9.1	9.7	10.4	11.0	11.6
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.37	0.39	0.44	0.52	0.61	0.71
E2 - incomplete primary	1.44	1.41	1.36	1.31	1.26	1.19
E3 - primary	1.39	1.29	1.24	1.28	1.32	1.32
E4 - lower secondary	1.98	1.90	1.75	1.67	1.69	1.72
E5 - upper secondary	1.03	1.00	1.01	1.04	1.10	1.17
E6 - post-secondary	0.95	0.89	0.80	0.73	0.68	0.66
Mean years of schooling (male minus female)	0.8	0.5	0.1	-0.2	-0.5	-0.6
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	4.8%	3.8%	2.3%	1.1%	0.6%	0.4%
E2 - incomplete primary	9.6%	7.1%	4.3%	2.8%	1.6%	0.8%
E3 - primary	19.7%	18.6%	12.5%	7.5%	5.1%	3.2%
E4 - lower secondary	15.3%	16.2%	18.0%	17.2%	15.6%	12.7%
E5 - upper secondary	28.7%	29.6%	32.8%	35.7%	37.0%	39.4%
E6 - post-secondary	21.9%	24.6%	30.2%	35.6%	40.1%	43.4%
Mean years of schooling (in years)	10.4	11.0	11.9	12.7	13.4	13.9

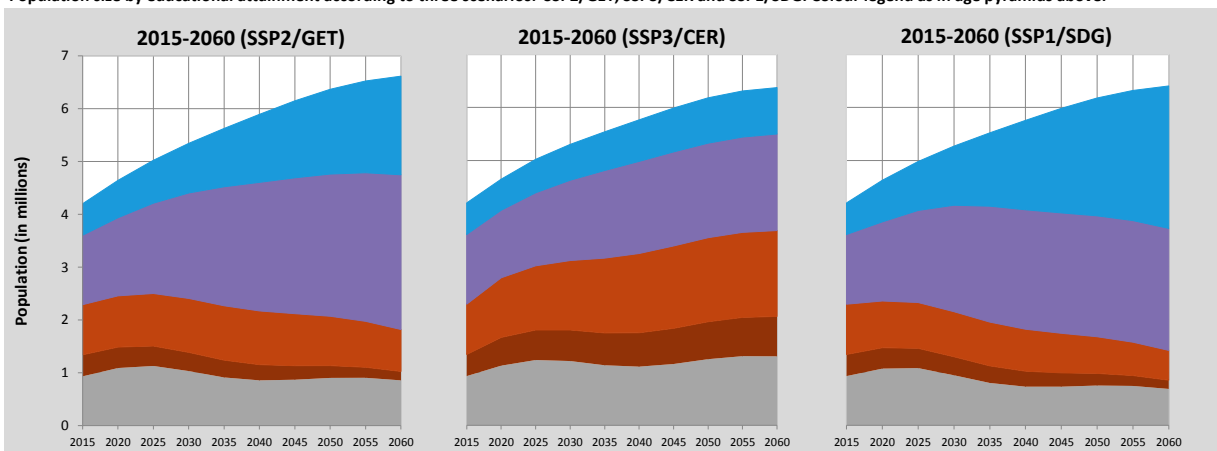
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

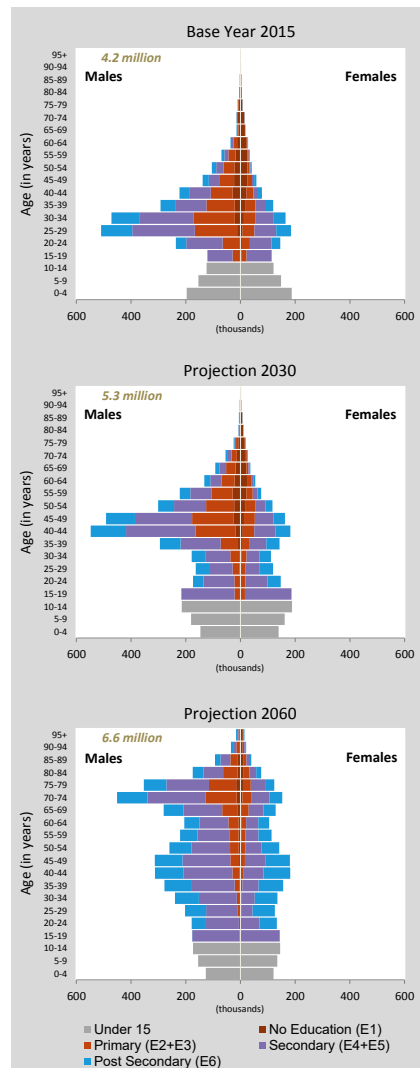
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

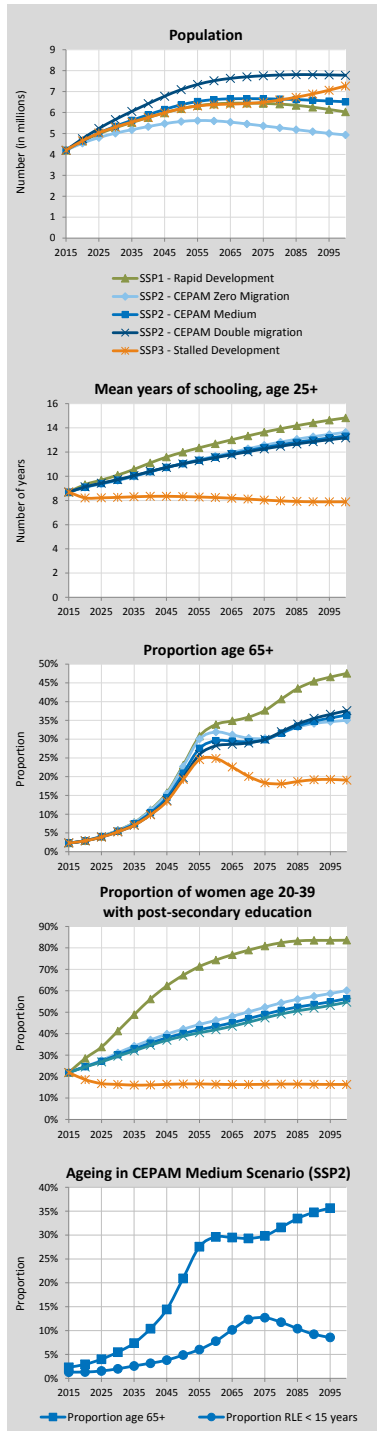
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



Oman (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)	2015 2020 2030 2050 2060 2075 2100						
	Population (in millions)						
SSP1 - Rapid Development	4.20	4.63	5.27	6.18	6.41	6.44	6.03
SSP2 - CEPAM Zero Migration	4.20	4.53	5.01	5.57	5.60	5.36	4.93
SSP2 - CEPAM Medium	4.20	4.64	5.34	6.37	6.62	6.66	6.52
SSP2 - CEPAM Double Migration	4.20	4.75	5.67	7.09	7.52	7.76	7.78
SSP3 - Stalled Development	4.20	4.65	5.30	6.18	6.38	6.49	7.27
Proportion age 65+							
SSP1 - Rapid Development	2.3%	2.9%	5.7%	23.1%	33.9%	37.7%	47.5%
SSP2 - CEPAM Zero Migration	2.3%	3.0%	5.7%	22.7%	31.9%	30.2%	35.0%
SSP2 - CEPAM Medium	2.3%	2.9%	5.5%	20.9%	29.6%	29.8%	36.4%
SSP2 - CEPAM Double Migration	2.3%	2.9%	5.3%	19.7%	28.2%	29.9%	37.6%
SSP3 - Stalled Development	2.3%	2.9%	5.3%	19.2%	24.8%	18.4%	19.1%
Proportion below age 20							
SSP1 - Rapid Development	27.8%	28.5%	25.6%	16.2%	14.9%	11.4%	9.5%
SSP2 - CEPAM Zero Migration	27.8%	29.1%	27.8%	20.7%	20.4%	18.0%	17.4%
SSP2 - CEPAM Medium	27.8%	28.8%	26.8%	18.7%	17.8%	14.9%	13.3%
SSP2 - CEPAM Double Migration	27.8%	28.5%	26.0%	17.2%	15.9%	12.9%	11.1%
SSP3 - Stalled Development	27.8%	29.6%	30.3%	25.9%	27.1%	27.0%	28.0%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	21.9%	28.5%	41.2%	67.3%	74.4%	80.9%	83.6%
SSP2 - CEPAM Zero Migration	21.9%	24.8%	31.1%	42.1%	46.2%	52.3%	60.1%
SSP2 - CEPAM Medium	21.9%	24.6%	30.2%	40.1%	43.4%	49.0%	56.3%
SSP2 - CEPAM Double Migration	21.9%	24.5%	29.5%	38.8%	41.8%	47.3%	54.7%
SSP3 - Stalled Development	21.9%	18.6%	16.3%	16.5%	16.4%	16.4%	16.3%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	8.7	9.3	10.1	12.0	12.7	13.6	14.8
SSP2 - CEPAM Zero Migration	8.7	9.1	9.6	11.1	11.7	12.6	13.6
SSP2 - CEPAM Medium	8.7	9.1	9.7	11.0	11.6	12.4	13.3
SSP2 - CEPAM Double Migration	8.7	9.1	9.7	11.0	11.5	12.3	13.2
SSP3 - Stalled Development	8.7	8.2	8.3	8.3	8.2	8.0	7.9

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	2.46	2.08	1.71	1.48	1.47	1.48	1.49
SSP2 - CEPAM Zero Migration	2.58	2.30	2.00	1.73	1.70	1.70	1.71
SSP2 - CEPAM Medium	2.58	2.30	2.00	1.73	1.70	1.70	1.71
SSP2 - CEPAM Double Migration	2.58	2.30	2.01	1.74	1.70	1.71	1.71
SSP3 - Stalled Development	2.87	2.85	2.64	2.31	2.30	2.36	2.45
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	80.3	81.8	84.8	90.8	93.8	98.3	104.3
SSP2 - CEPAM Zero Migration	79.8	80.8	82.7	86.7	88.6	91.6	95.5
SSP2 - CEPAM Medium	79.8	80.8	82.8	86.7	88.6	91.6	95.5
SSP2 - CEPAM Double Migration	79.8	80.8	82.8	86.7	88.6	91.6	95.5
SSP3 - Stalled Development	79.2	79.6	80.5	82.0	82.5	83.4	85.0
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	108.8	112.6	117.9	123.9	123.3	119.7	108.4
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	108.7	113.1	122.2	137.5	143.1	148.5	146.9
SSP2 - CEPAM Double Migration	217.4	222.9	234.4	252.6	258.7	264.0	256.8
SSP3 - Stalled Development	72.4	38.1	0.1	0.2	0.2	0.2	0.3

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	29.0	32.4	38.9	44.3	46.9	51.0	53.2
Proportion age 65+	2.3%	2.9%	5.5%	20.9%	29.6%	29.8%	35.6%
Proportion RLE < 15 years	1.4%	1.6%	1.8%	2.7%	3.8%	7.8%	7.5%

Pakistan

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	189.38	208.97	245.20	278.66	308.03	329.72
Proportion age 65+	4.5%	4.6%	5.6%	6.9%	8.9%	11.8%
Proportion below age 20	45.2%	43.5%	39.8%	34.9%	31.6%	28.5%
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	3.34	3.00	2.59	2.29	2.08	2.00
Life expectancy at birth (in years)						
Male	65.7	66.7	68.6	70.6	72.6	73.6
Female	67.8	68.9	71.1	73.3	75.5	77.7
Five-year net-migration flow (in thousands)	-277.5	-331.2	-430.8	-525.1	-608.9	-642.2

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	53.0%	47.9%	38.4%	29.6%	21.9%	15.6%
E2 - incomplete primary	4.8%	4.8%	4.6%	4.1%	3.6%	2.9%
E3 - primary	10.4%	11.0%	11.9%	11.9%	11.2%	10.0%
E4 - lower secondary	10.2%	11.3%	13.2%	14.7%	15.7%	16.0%
E5 - upper secondary	15.5%	17.8%	22.5%	27.5%	32.3%	36.5%
E6 - post-secondary	6.1%	7.2%	9.4%	12.1%	15.4%	19.1%
Mean years of schooling (in years)	4.4	5.0	6.1	7.2	8.3	9.4
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.62	0.60	0.56	0.55	0.54	0.53
E2 - incomplete primary	1.54	1.41	1.34	1.16	1.01	0.92
E3 - primary	1.74	1.74	1.63	1.45	1.33	1.25
E4 - lower secondary	1.97	1.79	1.54	1.41	1.34	1.29
E5 - upper secondary	1.63	1.48	1.28	1.16	1.07	1.02
E6 - post-secondary	1.78	1.65	1.47	1.32	1.23	1.16
Mean years of schooling (male minus female)	1.2	1.2	1.0	0.9	0.7	0.5
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	39.7%	33.7%	22.9%	14.4%	8.5%	4.4%
E2 - incomplete primary	4.7%	4.6%	4.0%	3.1%	2.3%	1.5%
E3 - primary	11.7%	12.3%	12.7%	11.2%	8.9%	6.4%
E4 - lower secondary	12.9%	14.1%	16.1%	17.0%	16.8%	14.9%
E5 - upper secondary	23.0%	26.0%	32.3%	38.3%	43.1%	47.1%
E6 - post-secondary	8.0%	9.3%	12.1%	15.9%	20.4%	25.7%
Mean years of schooling (in years)	4.9	5.7	7.3	8.8	10.1	11.3

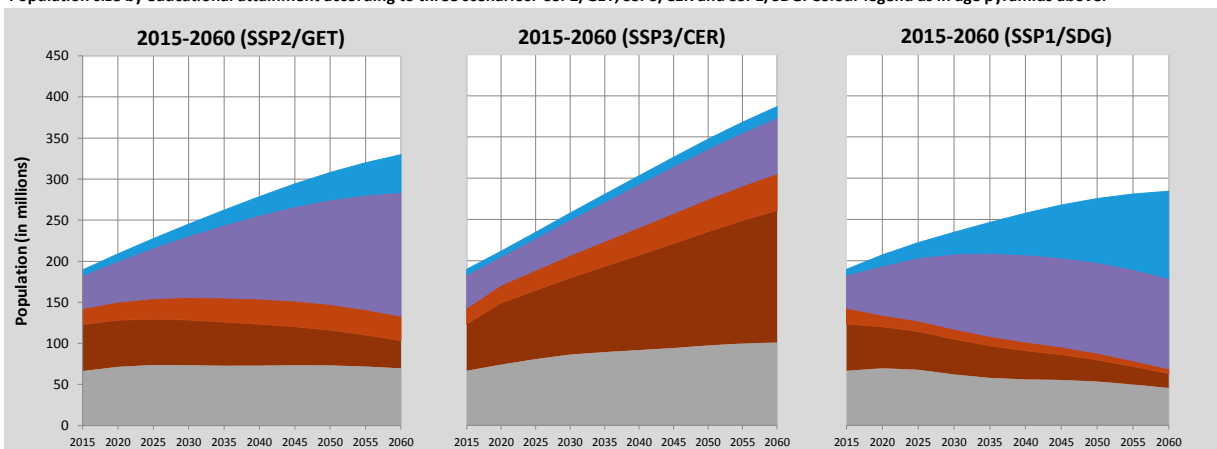
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

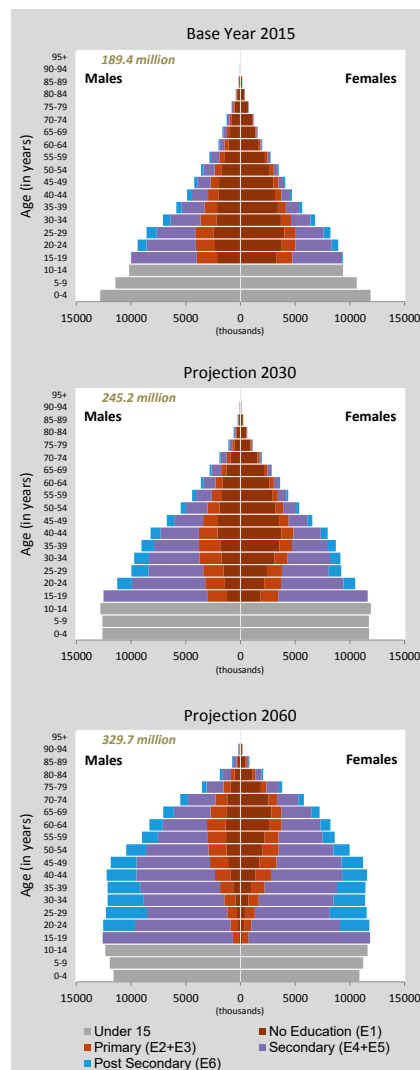
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

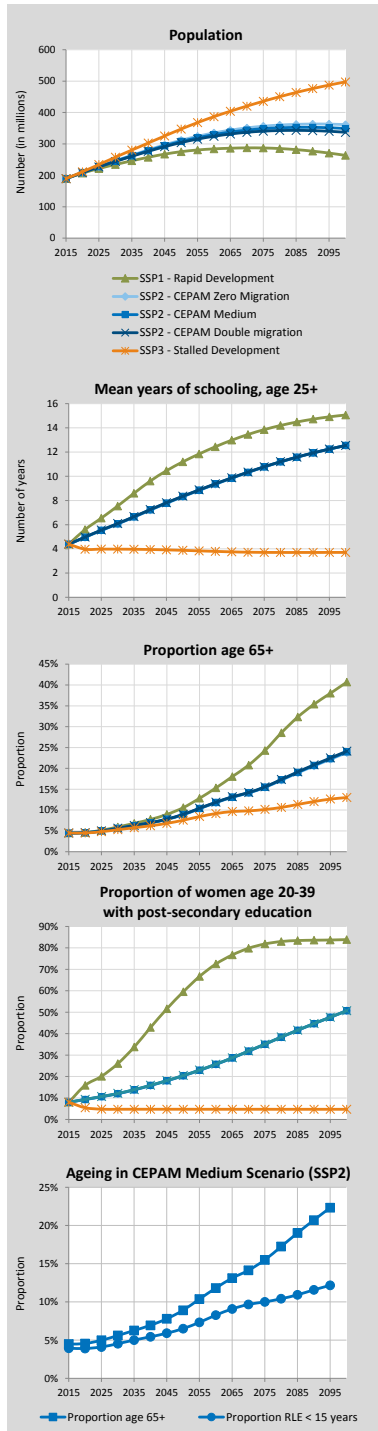
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



Pakistan (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)	2015 2020 2030 2050 2060 2075 2100						
	Population (in millions)						
SSP1 - Rapid Development	189.38	206.92	234.32	275.28	284.23	287.16	263.55
SSP2 - CEPAM Zero Migration	189.38	209.27	246.36	311.72	335.03	356.42	361.49
SSP2 - CEPAM Medium	189.38	208.97	245.20	308.03	329.72	348.49	349.10
SSP2 - CEPAM Double Migration	189.38	208.66	244.03	304.35	324.45	340.68	337.11
SSP3 - Stalled Development	189.38	211.41	257.67	347.34	386.84	435.86	497.62
Proportion age 65+							
SSP1 - Rapid Development	4.5%	4.6%	5.9%	10.6%	15.3%	24.3%	40.7%
SSP2 - CEPAM Zero Migration	4.5%	4.6%	5.6%	8.9%	11.8%	15.4%	23.8%
SSP2 - CEPAM Medium	4.5%	4.6%	5.6%	8.9%	11.8%	15.5%	23.9%
SSP2 - CEPAM Double Migration	4.5%	4.6%	5.6%	9.0%	11.9%	15.6%	24.1%
SSP3 - Stalled Development	4.5%	4.5%	5.3%	7.6%	9.2%	10.1%	13.0%
Proportion below age 20							
SSP1 - Rapid Development	45.2%	42.9%	36.7%	26.1%	22.3%	17.3%	12.1%
SSP2 - CEPAM Zero Migration	45.2%	43.5%	39.7%	31.5%	28.5%	24.6%	20.1%
SSP2 - CEPAM Medium	45.2%	43.5%	39.8%	31.6%	28.5%	24.7%	20.1%
SSP2 - CEPAM Double Migration	45.2%	43.5%	39.9%	31.7%	28.6%	24.7%	20.1%
SSP3 - Stalled Development	45.2%	44.1%	42.8%	36.6%	34.3%	31.4%	29.2%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	8.0%	15.9%	26.0%	59.5%	72.5%	81.9%	83.9%
SSP2 - CEPAM Zero Migration	8.0%	9.2%	12.0%	20.3%	25.6%	35.0%	50.7%
SSP2 - CEPAM Medium	8.0%	9.3%	12.1%	20.4%	25.7%	35.1%	50.7%
SSP2 - CEPAM Double Migration	8.0%	9.4%	12.1%	20.5%	25.8%	35.1%	50.7%
SSP3 - Stalled Development	8.0%	5.5%	4.8%	4.8%	4.7%	4.7%	4.7%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	4.4	5.6	7.5	11.2	12.4	13.9	15.1
SSP2 - CEPAM Zero Migration	4.4	5.0	6.0	8.3	9.3	10.8	12.5
SSP2 - CEPAM Medium	4.4	5.0	6.1	8.3	9.4	10.8	12.5
SSP2 - CEPAM Double Migration	4.4	5.0	6.1	8.4	9.4	10.8	12.5
SSP3 - Stalled Development	4.4	4.0	4.0	3.9	3.8	3.7	3.7

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	3.04	2.48	1.96	1.57	1.45	1.32	1.21
SSP2 - CEPAM Zero Migration	3.34	3.00	2.59	2.08	1.93	1.77	1.63
SSP2 - CEPAM Medium	3.34	3.00	2.59	2.08	1.93	1.77	1.63
SSP2 - CEPAM Double Migration	3.34	3.00	2.59	2.08	1.93	1.77	1.63
SSP3 - Stalled Development	3.68	3.59	3.28	2.65	2.49	2.39	2.31
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	68.5	70.5	73.9	79.9	83.2	88.3	94.9
SSP2 - CEPAM Zero Migration	67.7	68.9	71.1	75.5	77.7	81.0	85.4
SSP2 - CEPAM Medium	67.8	68.9	71.1	75.5	77.7	81.0	85.4
SSP2 - CEPAM Double Migration	67.8	68.9	71.1	75.5	77.7	81.0	85.4
SSP3 - Stalled Development	67.0	67.1	67.7	69.0	69.7	71.0	73.2
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-277.5	-325.4	-401.6	-520.6	-550.7	-570.1	-538.0
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-277.5	-331.2	-430.8	-608.9	-669.6	-721.5	-735.4
SSP2 - CEPAM Double Migration	-555.0	-662.7	-861.1	-1207.8	-1320.6	-1408.0	-1409.7
SSP3 - Stalled Development	-185.3	-112.5	-0.5	-0.7	-0.8	-0.9	-1.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	22.5	23.5	25.9	31.8	34.8	38.7	43.9
Proportion age 65+	4.5%	4.6%	5.6%	8.9%	11.8%	15.5%	22.3%
Proportion RLE < 15 years	3.8%	3.9%	4.6%	6.6%	8.3%	9.9%	12.0%

Palestine*

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	4.66	5.25	6.34	7.32	8.13	8.71
Proportion age 65+	3.0%	3.2%	4.2%	5.9%	8.2%	11.9%
Proportion below age 20	51.5%	49.2%	44.6%	38.7%	33.9%	29.5%
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	3.74	3.28	2.74	2.32	2.05	1.95
Life expectancy at birth (in years)						
Male	71.8	72.9	75.1	77.3	79.5	80.5
Female	75.7	76.8	79.0	81.2	83.3	85.5
Five-year net-migration flow (in thousands)	-69.2	-83.3	-109.9	-134.2	-153.8	-161.4

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	3.9%	2.9%	1.6%	1.1%	0.8%	0.6%
E2 - incomplete primary	6.1%	4.9%	3.1%	1.9%	1.1%	0.7%
E3 - primary	15.7%	13.8%	10.6%	7.8%	5.5%	3.9%
E4 - lower secondary	30.8%	31.1%	30.5%	28.4%	25.4%	22.2%
E5 - upper secondary	20.8%	22.7%	25.8%	28.9%	31.4%	33.3%
E6 - post-secondary	22.7%	24.7%	28.4%	32.1%	35.7%	39.2%
Mean years of schooling (in years)	10.1	10.6	11.3	11.9	12.4	12.7
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.28	0.33	0.47	0.63	0.72	0.75
E2 - incomplete primary	0.84	0.83	0.87	0.95	1.07	1.18
E3 - primary	1.15	1.17	1.19	1.25	1.33	1.42
E4 - lower secondary	1.09	1.11	1.16	1.24	1.34	1.45
E5 - upper secondary	1.07	1.07	1.08	1.12	1.19	1.27
E6 - post-secondary	0.96	0.89	0.79	0.72	0.67	0.64
Mean years of schooling (male minus female)	0.2	0.0	-0.2	-0.3	-0.4	-0.5
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	0.6%	0.7%	0.3%	0.2%	0.2%	0.1%
E2 - incomplete primary	1.9%	1.4%	0.7%	0.3%	0.2%	0.1%
E3 - primary	9.7%	7.9%	5.4%	3.0%	1.6%	0.9%
E4 - lower secondary	35.1%	32.9%	28.5%	23.4%	18.5%	13.8%
E5 - upper secondary	29.9%	31.2%	34.1%	37.6%	39.7%	41.2%
E6 - post-secondary	22.8%	25.9%	31.1%	35.5%	39.8%	43.9%
Mean years of schooling (in years)	11.6	12.0	12.6	13.2	13.7	14.0

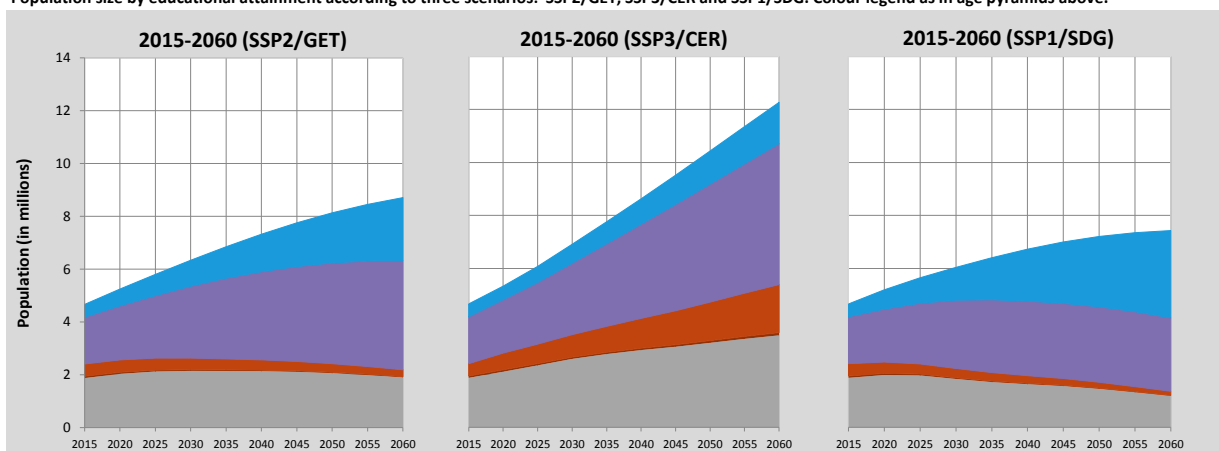
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

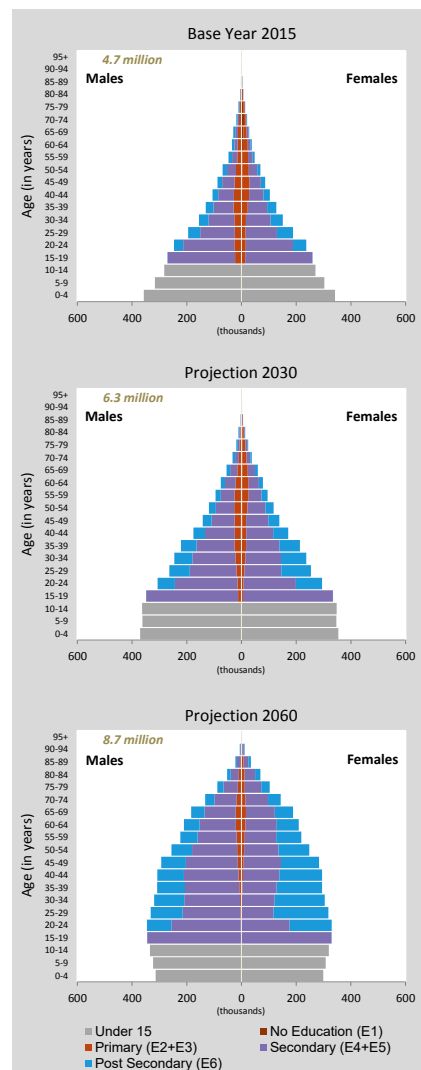
SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.

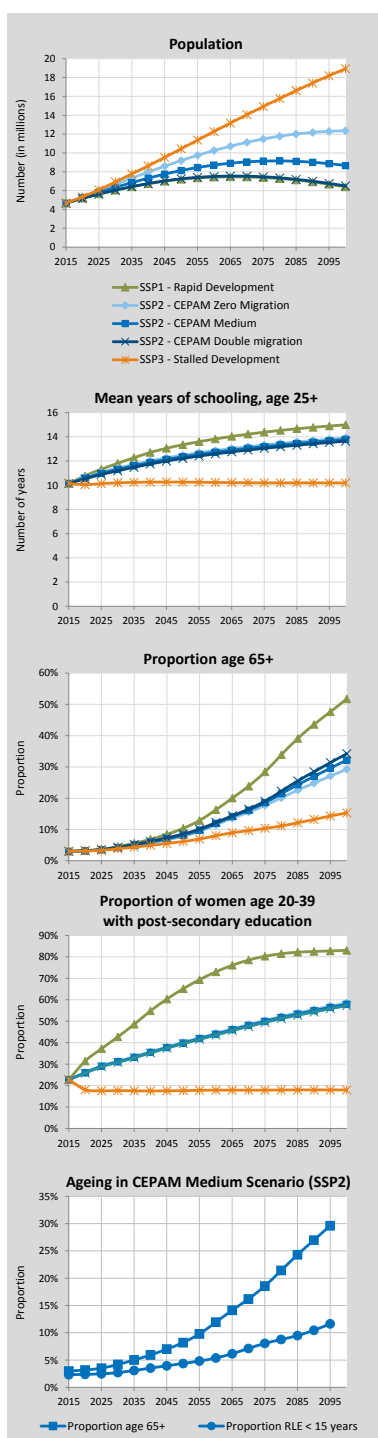


* This designation shall not be construed as recognition of a State of Palestine and is without prejudice to the individual positions of the Member States on this issue.

Pyramids by education, CEPAM Medium Scenario



Palestine (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)	2015 2020 2030 2050 2060 2075 2100						
	Population (in millions)						
SSP1 - Rapid Development	4.66	5.20	6.04	7.21	7.43	7.39	6.40
SSP2 - CEPAM Zero Migration	4.66	5.32	6.65	9.19	10.25	11.48	12.35
SSP2 - CEPAM Medium	4.66	5.25	6.34	8.13	8.71	9.13	8.67
SSP2 - CEPAM Double Migration	4.66	5.17	6.04	7.25	7.50	7.47	6.50
SSP3 - Stalled Development	4.66	5.33	6.91	10.44	12.27	14.92	18.94
Proportion age 65+							
SSP1 - Rapid Development	3.0%	3.2%	4.5%	10.4%	16.3%	28.4%	51.8%
SSP2 - CEPAM Zero Migration	3.0%	3.2%	4.1%	7.8%	11.5%	17.7%	29.3%
SSP2 - CEPAM Medium	3.0%	3.2%	4.2%	8.2%	11.9%	18.6%	32.2%
SSP2 - CEPAM Double Migration	3.0%	3.2%	4.3%	8.5%	12.2%	19.0%	34.2%
SSP3 - Stalled Development	3.0%	3.1%	3.8%	6.1%	8.0%	10.3%	15.3%
Proportion below age 20							
SSP1 - Rapid Development	51.5%	48.7%	41.6%	27.6%	22.4%	16.2%	9.7%
SSP2 - CEPAM Zero Migration	51.5%	48.9%	44.1%	33.4%	29.1%	24.1%	18.7%
SSP2 - CEPAM Medium	51.5%	49.2%	44.6%	33.9%	29.5%	24.1%	18.0%
SSP2 - CEPAM Double Migration	51.5%	49.5%	45.2%	34.5%	30.0%	24.3%	17.6%
SSP3 - Stalled Development	51.5%	49.7%	47.4%	39.9%	37.0%	33.3%	29.3%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	22.8%	31.4%	42.7%	65.2%	73.0%	80.3%	83.1%
SSP2 - CEPAM Zero Migration	22.8%	26.1%	31.3%	40.1%	44.3%	50.4%	58.6%
SSP2 - CEPAM Medium	22.8%	25.9%	31.1%	39.8%	43.9%	49.9%	57.9%
SSP2 - CEPAM Double Migration	22.8%	25.8%	30.8%	39.5%	43.6%	49.5%	57.3%
SSP3 - Stalled Development	22.8%	18.1%	17.6%	17.6%	17.9%	17.9%	18.0%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	10.1	10.8	11.8	13.3	13.8	14.4	15.0
SSP2 - CEPAM Zero Migration	10.1	10.7	11.4	12.5	12.9	13.3	13.9
SSP2 - CEPAM Medium	10.1	10.6	11.3	12.4	12.7	13.2	13.8
SSP2 - CEPAM Double Migration	10.1	10.5	11.2	12.2	12.6	13.1	13.6
SSP3 - Stalled Development	10.1	10.1	10.2	10.3	10.2	10.2	10.2

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	3.46	2.79	2.11	1.51	1.39	1.30	1.21
SSP2 - CEPAM Zero Migration	3.74	3.28	2.74	2.05	1.88	1.75	1.62
SSP2 - CEPAM Medium	3.74	3.28	2.74	2.05	1.88	1.75	1.62
SSP2 - CEPAM Double Migration	3.74	3.28	2.74	2.05	1.88	1.75	1.62
SSP3 - Stalled Development	4.06	3.86	3.48	2.76	2.58	2.43	2.28
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	76.3	77.9	81.0	87.4	90.5	95.4	101.8
SSP2 - CEPAM Zero Migration	75.7	76.8	79.0	83.4	85.6	88.8	93.2
SSP2 - CEPAM Medium	75.7	76.8	79.0	83.3	85.5	88.8	93.1
SSP2 - CEPAM Double Migration	75.7	76.8	79.0	83.3	85.4	88.7	93.1
SSP3 - Stalled Development	75.2	75.7	76.7	78.9	79.9	81.4	83.6
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-69.2	-82.2	-103.2	-132.4	-138.1	-136.9	-118.5
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-69.2	-83.3	-109.9	-153.8	-167.5	-176.1	-165.3
SSP2 - CEPAM Double Migration	-138.5	-162.0	-201.9	-253.7	-260.8	-250.2	-202.2
SSP3 - Stalled Development	-46.2	-28.5	-0.1	-0.2	-0.2	-0.3	-0.4

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	19.3	20.4	22.8	29.7	33.7	39.9	48.4
Proportion age 65+	3.0%	3.2%	4.2%	8.2%	11.9%	18.6%	29.6%
Proportion RLE < 15 years	2.1%	2.2%	2.5%	4.2%	5.2%	7.9%	11.3%

Panama

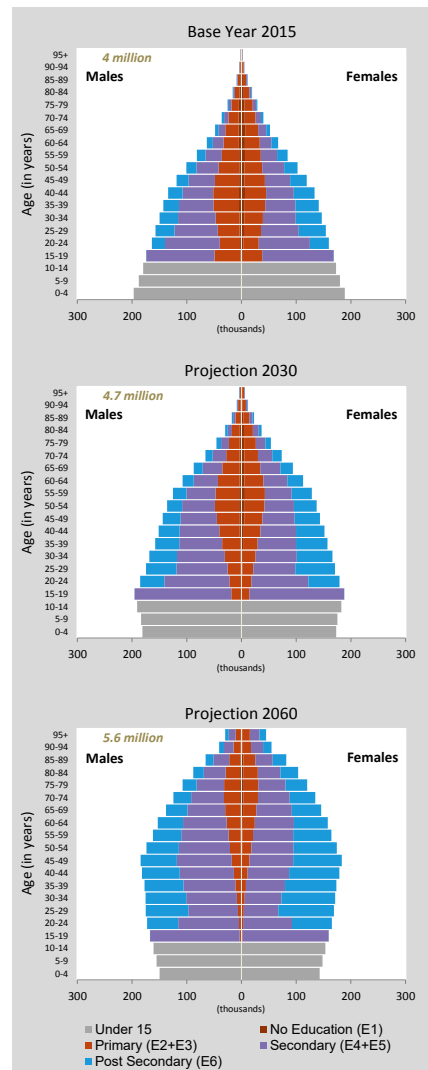
Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	3.97	4.25	4.73	5.13	5.42	5.61
Proportion age 65+	7.6%	8.7%	11.8%	15.8%	19.5%	22.8%
Proportion below age 20	36.5%	34.8%	31.1%	27.3%	24.5%	22.0%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	2.41	2.23	2.02	1.84	1.74	1.72
Life expectancy at birth (in years)						
Male	75.4	76.4	78.5	80.5	82.6	83.6
Female	81.3	82.3	84.3	86.3	88.3	90.3
Five-year net-migration flow (in thousands)	0.3	0.2	0.0	-0.1	0.0	0.0

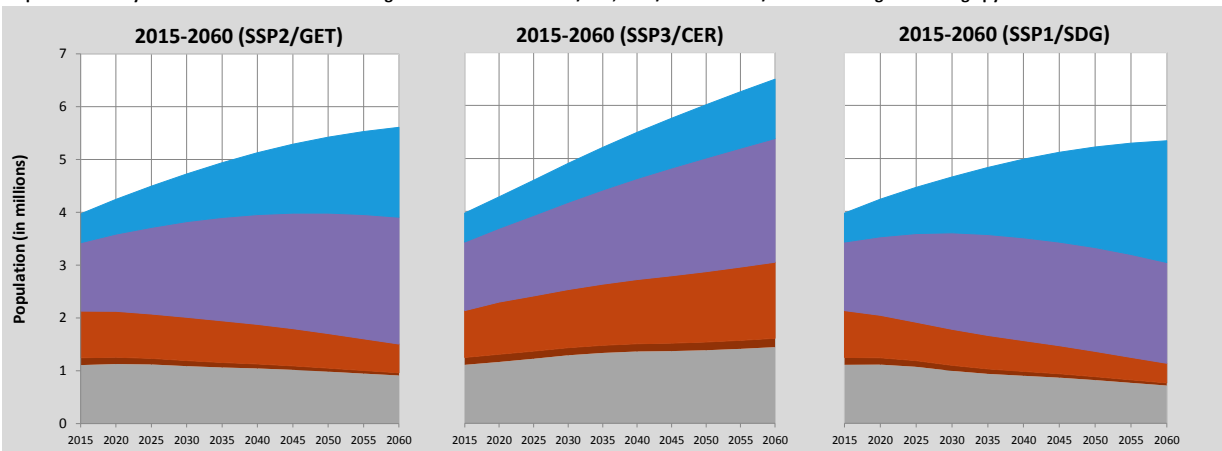
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	5.9%	5.0%	3.5%	2.5%	1.8%	1.3%
E2 - incomplete primary	8.7%	7.5%	5.5%	3.9%	2.8%	2.0%
E3 - primary	24.8%	23.5%	20.5%	17.1%	14.0%	11.2%
E4 - lower secondary	12.2%	12.4%	12.6%	12.5%	12.0%	11.2%
E5 - upper secondary	26.3%	27.6%	30.2%	32.5%	34.2%	35.4%
E6 - post-secondary	22.1%	24.0%	27.7%	31.4%	35.2%	39.0%
Mean years of schooling (in years)	9.6	10.0	10.6	11.2	11.7	12.1
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.78	0.75	0.70	0.67	0.65	0.63
E2 - incomplete primary	1.10	1.10	1.11	1.12	1.11	1.10
E3 - primary	1.18	1.18	1.18	1.17	1.16	1.16
E4 - lower secondary	1.16	1.18	1.21	1.23	1.26	1.27
E5 - upper secondary	1.04	1.05	1.08	1.12	1.16	1.21
E6 - post-secondary	0.75	0.76	0.76	0.76	0.76	0.76
Mean years of schooling (male minus female)	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	2.7%	2.1%	1.0%	0.5%	0.3%	0.1%
E2 - incomplete primary	4.7%	3.6%	1.8%	0.9%	0.5%	0.2%
E3 - primary	19.9%	17.3%	12.5%	8.5%	5.6%	3.4%
E4 - lower secondary	13.9%	13.4%	12.5%	11.5%	9.8%	7.7%
E5 - upper secondary	34.6%	36.2%	39.3%	40.9%	41.6%	41.6%
E6 - post-secondary	24.3%	27.4%	32.9%	37.6%	42.3%	46.9%
Mean years of schooling (in years)	11.0	11.4	12.1	12.6	13.1	13.4

Education scenarios
 SSP2/GET: Global Education Trend Scenario (Medium assumption)
 SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)
 SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

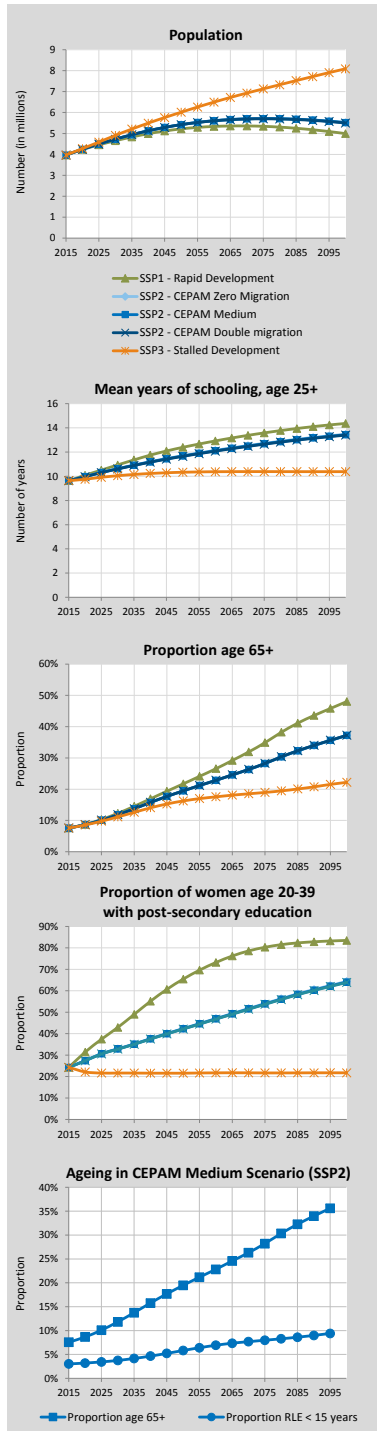
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Panama (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	3.97	4.23	4.65	5.22	5.34	5.34	4.99
SSP2 - CEPAM Zero Migration	3.97	4.24	4.73	5.42	5.61	5.71	5.52
SSP2 - CEPAM Medium	3.97	4.25	4.73	5.42	5.61	5.71	5.52
SSP2 - CEPAM Double Migration	3.97	4.25	4.73	5.42	5.60	5.70	5.50
SSP3 - Stalled Development	3.97	4.28	4.91	6.01	6.50	7.13	8.09
Proportion age 65+							
SSP1 - Rapid Development	7.6%	8.7%	12.3%	21.7%	26.6%	34.9%	48.0%
SSP2 - CEPAM Zero Migration	7.6%	8.7%	11.8%	19.5%	22.8%	28.2%	37.2%
SSP2 - CEPAM Medium	7.6%	8.7%	11.8%	19.5%	22.8%	28.2%	37.2%
SSP2 - CEPAM Double Migration	7.6%	8.7%	11.8%	19.5%	22.8%	28.2%	37.2%
SSP3 - Stalled Development	7.6%	8.6%	11.1%	16.2%	17.6%	19.0%	22.2%
Proportion below age 20							
SSP1 - Rapid Development	36.5%	34.5%	29.6%	21.4%	18.5%	15.3%	11.7%
SSP2 - CEPAM Zero Migration	36.5%	34.8%	31.1%	24.5%	22.1%	19.3%	16.2%
SSP2 - CEPAM Medium	36.5%	34.8%	31.1%	24.5%	22.0%	19.3%	16.1%
SSP2 - CEPAM Double Migration	36.5%	34.8%	31.1%	24.5%	22.0%	19.3%	16.1%
SSP3 - Stalled Development	36.5%	35.3%	34.0%	30.4%	29.2%	27.8%	26.2%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	24.3%	31.4%	42.9%	65.5%	73.2%	80.3%	83.5%
SSP2 - CEPAM Zero Migration	24.3%	27.4%	32.9%	42.4%	47.1%	54.1%	64.4%
SSP2 - CEPAM Medium	24.3%	27.4%	32.9%	42.3%	46.9%	53.9%	64.1%
SSP2 - CEPAM Double Migration	24.3%	27.3%	32.8%	42.2%	46.8%	53.7%	63.9%
SSP3 - Stalled Development	24.3%	22.2%	21.7%	21.6%	21.7%	21.7%	21.7%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	9.6	10.1	10.9	12.4	12.9	13.6	14.4
SSP2 - CEPAM Zero Migration	9.6	10.0	10.6	11.7	12.1	12.7	13.5
SSP2 - CEPAM Medium	9.6	10.0	10.6	11.7	12.1	12.7	13.4
SSP2 - CEPAM Double Migration	9.6	10.0	10.6	11.6	12.1	12.6	13.4
SSP3 - Stalled Development	9.6	9.8	10.0	10.3	10.4	10.4	10.4

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	2.30	2.02	1.74	1.48	1.45	1.41	1.38
SSP2 - CEPAM Zero Migration	2.41	2.23	2.02	1.74	1.69	1.63	1.59
SSP2 - CEPAM Medium	2.41	2.23	2.02	1.74	1.69	1.63	1.59
SSP2 - CEPAM Double Migration	2.41	2.23	2.02	1.74	1.69	1.63	1.59
SSP3 - Stalled Development	2.63	2.66	2.60	2.35	2.30	2.25	2.24
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	81.8	83.4	86.4	92.4	95.4	100.0	106.0
SSP2 - CEPAM Zero Migration	81.3	82.3	84.3	88.3	90.3	93.3	97.3
SSP2 - CEPAM Medium	81.3	82.3	84.3	88.3	90.3	93.3	97.3
SSP2 - CEPAM Double Migration	81.3	82.3	84.3	88.3	90.3	93.3	97.3
SSP3 - Stalled Development	80.7	81.2	82.1	83.9	84.7	86.0	87.8
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	0.3	0.1	-0.3	-1.0	-1.3	-1.7	-2.2
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	0.3	0.2	0.0	0.0	0.1	0.4	0.8
SSP2 - CEPAM Double Migration	0.7	0.2	-0.4	-0.9	-0.7	-0.3	0.5
SSP3 - Stalled Development	0.2	0.1	0.0	0.0	0.0	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	28.4	29.7	32.7	39.2	42.6	47.1	52.6
Proportion age 65+	7.6%	8.7%	11.8%	19.5%	22.8%	28.2%	35.6%
Proportion RLE < 15 years	2.9%	3.1%	3.7%	5.8%	6.9%	8.1%	9.5%

Papua New Guinea

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	7.92	8.69	10.09	11.33	12.30	12.96
Proportion age 65+	3.6%	4.1%	5.2%	6.7%	8.7%	11.0%
Proportion below age 20	47.0%	44.7%	39.2%	34.1%	30.3%	26.9%
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	3.37	2.94	2.43	2.10	1.90	1.84
Life expectancy at birth (in years)						
Male	63.3	64.3	66.1	68.0	69.9	70.8
Female	68.3	69.2	71.0	72.8	74.5	76.3
Five-year net-migration flow (in thousands)	-2.1	-2.4	-3.0	-3.5	-3.9	-4.0

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	19.1%	16.0%	10.6%	6.8%	4.3%	2.6%
E2 - incomplete primary	18.0%	15.9%	11.7%	8.2%	5.5%	3.6%
E3 - primary	33.1%	33.2%	31.6%	27.5%	22.7%	17.8%
E4 - lower secondary	12.6%	14.6%	18.7%	21.7%	23.1%	22.9%
E5 - upper secondary	10.2%	12.5%	17.7%	23.7%	29.7%	35.5%
E6 - post-secondary	6.9%	7.8%	9.7%	12.1%	14.7%	17.7%
Mean years of schooling (in years)	6.3	6.9	8.0	9.1	10.0	10.8
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.43	0.42	0.40	0.41	0.41	0.42
E2 - incomplete primary	0.84	0.82	0.81	0.79	0.78	0.78
E3 - primary	1.12	1.07	1.00	0.94	0.91	0.89
E4 - lower secondary	1.40	1.28	1.12	1.04	0.99	0.96
E5 - upper secondary	1.84	1.66	1.42	1.29	1.21	1.16
E6 - post-secondary	1.93	1.72	1.42	1.23	1.12	1.04
Mean years of schooling (male minus female)	1.0	0.9	0.7	0.5	0.4	0.3
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	10.4%	7.8%	3.6%	1.7%	0.7%	0.2%
E2 - incomplete primary	14.1%	10.6%	5.2%	2.6%	1.2%	0.4%
E3 - primary	31.6%	30.1%	26.2%	18.7%	11.7%	6.4%
E4 - lower secondary	18.2%	20.8%	24.7%	25.7%	23.8%	19.5%
E5 - upper secondary	18.3%	21.9%	28.5%	36.2%	43.9%	50.2%
E6 - post-secondary	7.4%	8.8%	11.7%	15.1%	18.8%	23.1%
Mean years of schooling (in years)	7.2	8.1	9.6	10.7	11.6	12.3

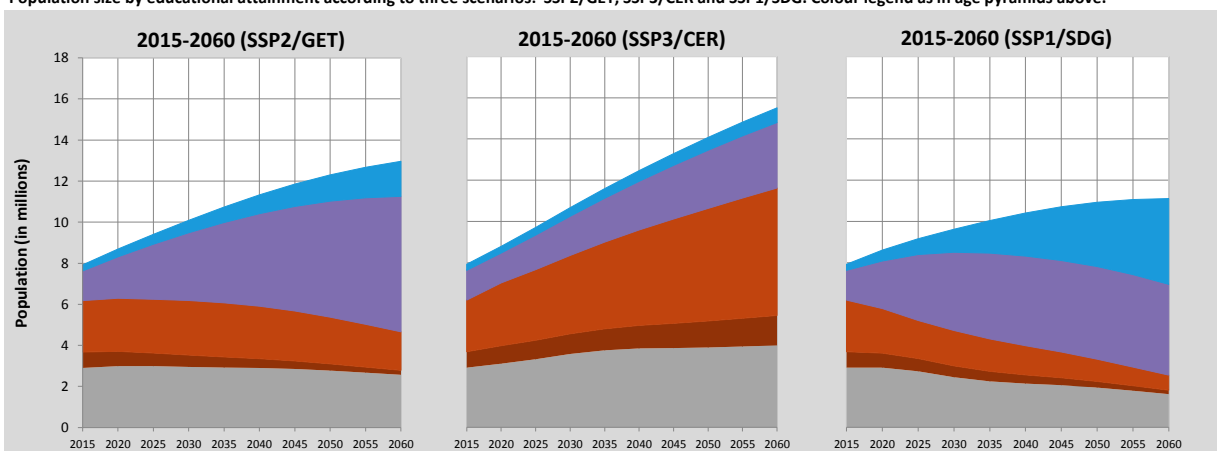
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

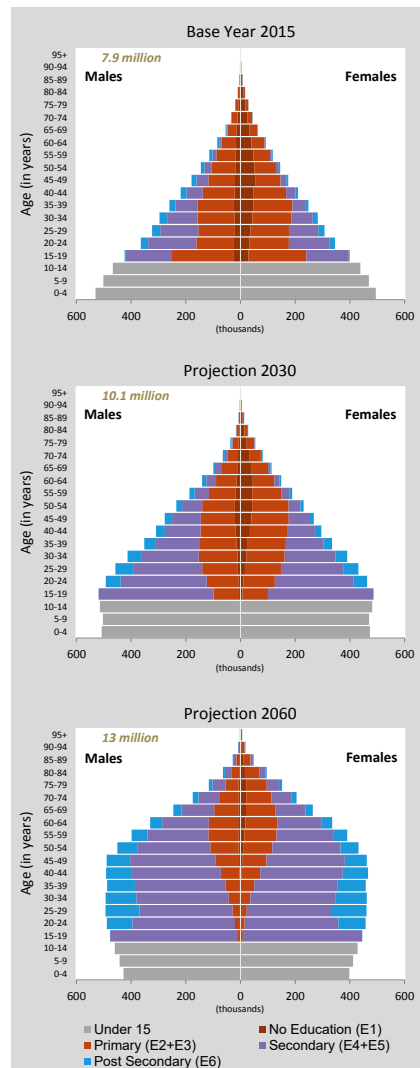
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

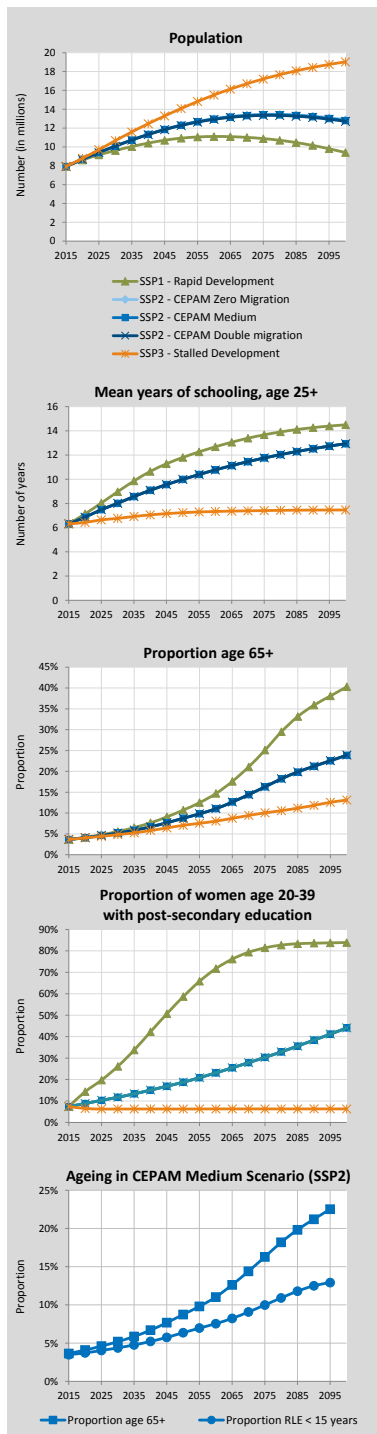
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



Papua New Guinea (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	7.92	8.61	9.62	10.93	11.11	10.89	9.40
SSP2 - CEPAM Zero Migration	7.92	8.69	10.10	12.33	13.00	13.46	12.89
SSP2 - CEPAM Medium	7.92	8.69	10.09	12.30	12.96	13.40	12.80
SSP2 - CEPAM Double Migration	7.92	8.69	10.08	12.28	12.92	13.34	12.72
SSP3 - Stalled Development	7.92	8.79	10.67	14.08	15.51	17.21	19.03
Proportion age 65+							
SSP1 - Rapid Development	3.6%	4.2%	5.6%	10.7%	14.7%	25.1%	40.3%
SSP2 - CEPAM Zero Migration	3.6%	4.1%	5.2%	8.7%	11.0%	16.3%	23.8%
SSP2 - CEPAM Medium	3.6%	4.1%	5.2%	8.7%	11.0%	16.3%	23.8%
SSP2 - CEPAM Double Migration	3.6%	4.1%	5.2%	8.8%	11.0%	16.3%	23.9%
SSP3 - Stalled Development	3.6%	4.0%	4.8%	7.1%	8.1%	10.0%	13.1%
Proportion below age 20							
SSP1 - Rapid Development	47.0%	44.2%	35.8%	24.2%	20.4%	15.9%	12.0%
SSP2 - CEPAM Zero Migration	47.0%	44.7%	39.2%	30.3%	26.9%	23.3%	19.8%
SSP2 - CEPAM Medium	47.0%	44.7%	39.2%	30.3%	26.9%	23.3%	19.8%
SSP2 - CEPAM Double Migration	47.0%	44.8%	39.2%	30.3%	26.9%	23.3%	19.8%
SSP3 - Stalled Development	47.0%	45.4%	42.8%	36.6%	33.9%	31.2%	29.1%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	7.4%	14.4%	26.2%	58.7%	71.8%	81.4%	83.9%
SSP2 - CEPAM Zero Migration	7.4%	8.8%	11.7%	18.8%	23.1%	30.3%	44.1%
SSP2 - CEPAM Medium	7.4%	8.8%	11.7%	18.8%	23.1%	30.3%	44.1%
SSP2 - CEPAM Double Migration	7.4%	8.9%	11.8%	18.8%	23.1%	30.4%	44.1%
SSP3 - Stalled Development	7.4%	6.5%	6.3%	6.3%	6.3%	6.3%	6.3%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	6.3	7.1	9.0	11.8	12.7	13.7	14.5
SSP2 - CEPAM Zero Migration	6.3	6.9	8.0	10.0	10.8	11.8	12.9
SSP2 - CEPAM Medium	6.3	6.9	8.0	10.0	10.8	11.8	12.9
SSP2 - CEPAM Double Migration	6.3	6.9	8.0	10.0	10.8	11.8	12.9
SSP3 - Stalled Development	6.3	6.4	6.8	7.2	7.3	7.4	7.5

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	3.07	2.40	1.77	1.37	1.31	1.25	1.20
SSP2 - CEPAM Zero Migration	3.37	2.94	2.43	1.90	1.79	1.70	1.63
SSP2 - CEPAM Medium	3.37	2.94	2.43	1.90	1.79	1.70	1.63
SSP2 - CEPAM Double Migration	3.37	2.94	2.43	1.90	1.79	1.70	1.63
SSP3 - Stalled Development	3.72	3.58	3.23	2.54	2.40	2.34	2.31
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	68.9	70.6	73.6	79.2	81.9	86.2	91.7
SSP2 - CEPAM Zero Migration	68.3	69.2	71.0	74.5	76.3	79.0	82.5
SSP2 - CEPAM Medium	68.3	69.2	71.0	74.5	76.3	79.0	82.5
SSP2 - CEPAM Double Migration	68.3	69.2	71.0	74.5	76.3	79.0	82.5
SSP3 - Stalled Development	67.8	67.9	68.2	68.7	68.9	69.4	70.5
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-2.1	-2.4	-2.8	-3.3	-3.4	-3.2	-2.7
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-2.1	-2.4	-3.0	-3.9	-4.1	-4.2	-4.0
SSP2 - CEPAM Double Migration	-4.2	-4.9	-6.0	-7.9	-8.4	-8.6	-8.0
SSP3 - Stalled Development	-1.4	-0.8	0.0	0.0	0.0	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	21.7	22.8	25.8	32.5	35.7	40.0	44.5
Proportion age 65+	3.6%	4.1%	5.2%	8.7%	11.0%	16.3%	22.5%
Proportion RLE < 15 years	3.1%	3.3%	4.0%	5.9%	7.2%	9.5%	12.8%

Paraguay

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	6.64	7.10	7.90	8.52	8.96	9.20
Proportion age 65+	6.0%	6.9%	8.9%	11.0%	14.8%	20.0%
Proportion below age 20	40.5%	37.7%	33.7%	29.9%	26.4%	23.6%
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	2.45	2.30	2.09	1.94	1.83	1.76
Life expectancy at birth (in years)						
Male	71.1	72.2	74.3	76.5	78.7	79.7
Female	75.5	76.6	78.7	80.8	82.9	85.0
Five-year net-migration flow (in thousands)	-54.2	-58.1	-64.8	-69.6	-72.7	-73.6

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	3.2%	2.7%	1.9%	1.3%	0.9%	0.7%
E2 - incomplete primary	22.5%	19.3%	13.9%	10.1%	7.1%	4.9%
E3 - primary	30.4%	29.7%	27.7%	24.8%	21.4%	18.0%
E4 - lower secondary	12.6%	13.4%	14.7%	15.4%	15.7%	15.5%
E5 - upper secondary	17.2%	19.4%	23.6%	27.6%	31.3%	34.4%
E6 - post-secondary	14.2%	15.6%	18.2%	20.8%	23.6%	26.5%
Mean years of schooling (in years)	8.2	8.7	9.4	10.1	10.7	11.2
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.74	0.77	0.82	0.86	0.90	0.95
E2 - incomplete primary	0.95	0.94	0.92	0.92	0.91	0.90
E3 - primary	1.06	1.07	1.09	1.10	1.12	1.14
E4 - lower secondary	1.22	1.20	1.17	1.18	1.20	1.23
E5 - upper secondary	1.07	1.07	1.08	1.09	1.11	1.13
E6 - post-secondary	0.79	0.78	0.76	0.74	0.72	0.71
Mean years of schooling (male minus female)	0.0	-0.1	-0.1	-0.2	-0.2	-0.3
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	1.3%	1.1%	0.6%	0.3%	0.2%	0.1%
E2 - incomplete primary	12.4%	9.7%	5.0%	2.6%	1.3%	0.6%
E3 - primary	28.6%	26.4%	22.1%	16.6%	11.7%	7.7%
E4 - lower secondary	16.1%	16.3%	16.8%	16.4%	15.4%	13.6%
E5 - upper secondary	25.5%	28.6%	34.2%	39.4%	43.0%	45.4%
E6 - post-secondary	16.1%	17.9%	21.3%	24.6%	28.4%	32.5%
Mean years of schooling (in years)	9.7	10.2	11.0	11.8	12.4	12.9

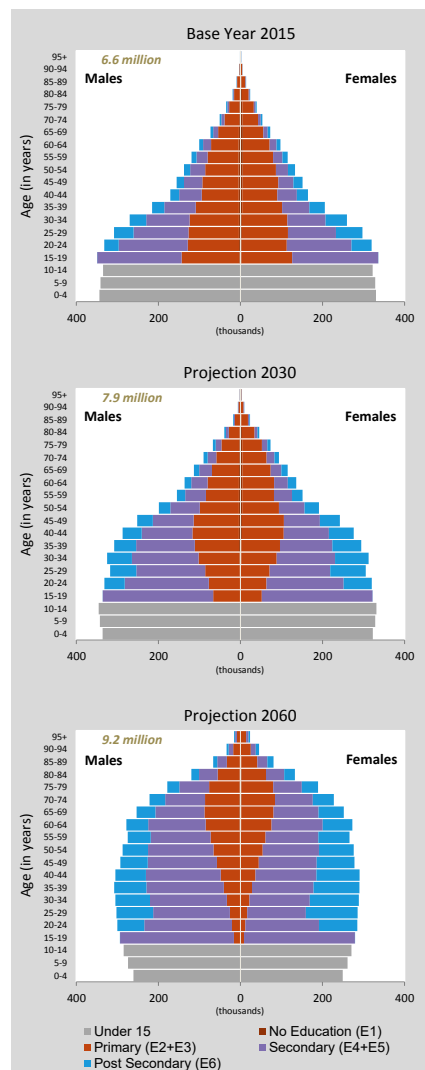
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

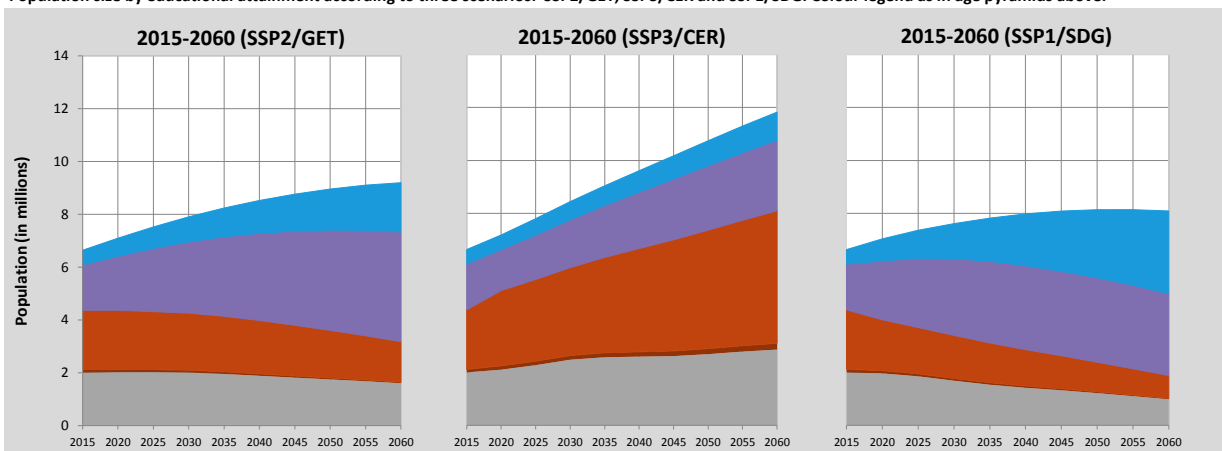
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

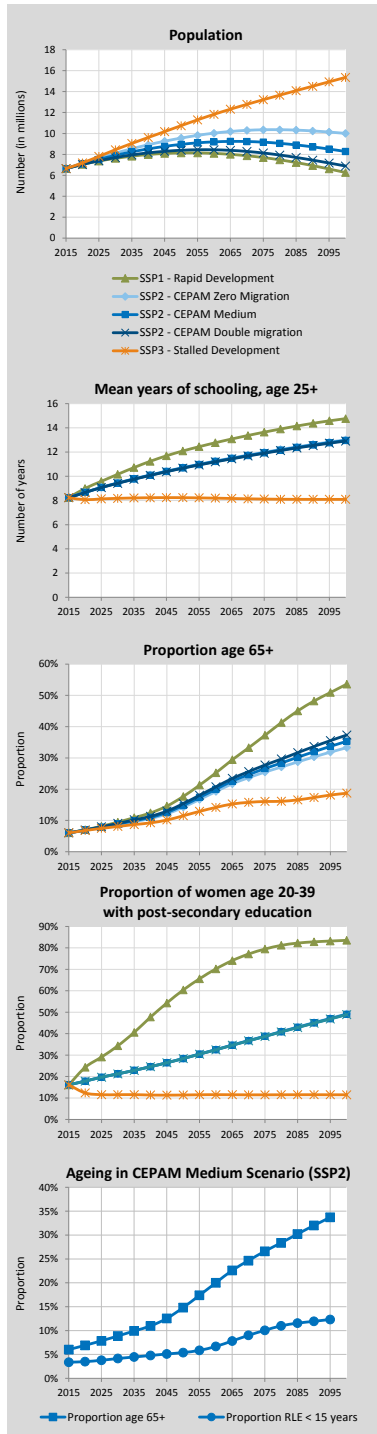
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Paraguay (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)

	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	6.64	7.04	7.62	8.14	8.10	7.70	6.27
SSP2 - CEPAM Zero Migration	6.64	7.16	8.12	9.56	10.03	10.35	10.01
SSP2 - CEPAM Medium	6.64	7.10	7.90	8.96	9.20	9.17	8.28
SSP2 - CEPAM Double Migration	6.64	7.04	7.70	8.39	8.44	8.13	6.89
SSP3 - Stalled Development	6.64	7.19	8.45	10.75	11.83	13.22	15.36
Proportion age 65+							
SSP1 - Rapid Development	6.0%	7.0%	9.5%	17.7%	25.2%	37.2%	53.6%
SSP2 - CEPAM Zero Migration	6.0%	6.9%	8.7%	14.2%	19.2%	25.5%	33.3%
SSP2 - CEPAM Medium	6.0%	6.9%	8.9%	14.8%	20.0%	26.6%	35.3%
SSP2 - CEPAM Double Migration	6.0%	7.0%	9.0%	15.4%	20.8%	27.7%	37.3%
SSP3 - Stalled Development	6.0%	6.8%	8.1%	11.5%	14.2%	16.1%	18.7%
Proportion below age 20							
SSP1 - Rapid Development	40.5%	37.1%	30.8%	20.7%	17.1%	13.0%	8.9%
SSP2 - CEPAM Zero Migration	40.5%	37.6%	33.6%	26.5%	23.8%	20.7%	17.4%
SSP2 - CEPAM Medium	40.5%	37.7%	33.7%	26.4%	23.6%	20.3%	16.7%
SSP2 - CEPAM Double Migration	40.5%	37.8%	33.8%	26.3%	23.4%	19.9%	16.0%
SSP3 - Stalled Development	40.5%	38.4%	37.2%	33.0%	31.7%	29.9%	28.5%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	16.1%	24.3%	34.3%	60.4%	70.2%	79.5%	83.5%
SSP2 - CEPAM Zero Migration	16.1%	17.9%	21.3%	28.4%	32.6%	38.9%	49.2%
SSP2 - CEPAM Medium	16.1%	17.9%	21.3%	28.4%	32.5%	38.8%	49.0%
SSP2 - CEPAM Double Migration	16.1%	17.9%	21.3%	28.4%	32.5%	38.7%	48.9%
SSP3 - Stalled Development	16.1%	12.4%	11.6%	11.4%	11.6%	11.5%	11.5%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	8.2	9.0	10.2	12.1	12.8	13.6	14.8
SSP2 - CEPAM Zero Migration	8.2	8.7	9.4	10.7	11.3	12.0	13.0
SSP2 - CEPAM Medium	8.2	8.7	9.4	10.7	11.2	11.9	13.0
SSP2 - CEPAM Double Migration	8.2	8.7	9.4	10.7	11.2	11.9	12.9
SSP3 - Stalled Development	8.2	8.1	8.2	8.2	8.2	8.1	8.1

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	2.24	1.91	1.58	1.33	1.26	1.23	1.17
SSP2 - CEPAM Zero Migration	2.45	2.30	2.09	1.83	1.74	1.68	1.59
SSP2 - CEPAM Medium	2.45	2.30	2.09	1.83	1.74	1.68	1.59
SSP2 - CEPAM Double Migration	2.45	2.30	2.09	1.83	1.74	1.68	1.59
SSP3 - Stalled Development	2.73	2.84	2.77	2.48	2.41	2.39	2.33
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	76.1	77.7	80.9	87.1	90.3	94.9	101.3
SSP2 - CEPAM Zero Migration	75.5	76.6	78.7	82.9	85.0	88.1	92.3
SSP2 - CEPAM Medium	75.5	76.6	78.7	82.9	85.0	88.1	92.3
SSP2 - CEPAM Double Migration	75.5	76.6	78.7	82.9	85.0	88.1	92.3
SSP3 - Stalled Development	74.9	75.2	76.1	77.8	78.6	79.9	81.9
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-54.3	-57.7	-62.4	-65.9	-65.0	-60.4	-49.4
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-54.2	-58.1	-64.8	-72.7	-74.0	-72.3	-65.0
SSP2 - CEPAM Double Migration	-108.4	-114.9	-125.3	-133.9	-132.6	-123.4	-102.7
SSP3 - Stalled Development	-36.1	-19.7	0.0	-0.1	-0.1	-0.1	-0.1

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	24.9	26.6	30.1	36.9	40.5	45.7	51.2
Proportion age 65+	6.0%	6.9%	8.9%	14.8%	20.0%	26.6%	33.7%
Proportion RLE < 15 years	3.2%	3.3%	4.0%	5.4%	6.6%	10.1%	12.4%

Peru

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	31.38	33.22	36.21	38.39	39.74	40.10
Proportion age 65+	6.8%	7.7%	10.4%	13.8%	17.7%	21.9%
Proportion below age 20	36.7%	35.0%	31.2%	27.4%	24.8%	22.5%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	2.34	2.18	1.98	1.86	1.74	1.72
Life expectancy at birth (in years)						
Male	72.7	73.7	75.6	77.6	79.5	80.5
Female	78.0	79.0	81.0	82.9	84.9	86.9
Five-year net-migration flow (in thousands)	-249.4	-263.8	-286.5	-302.3	-311.3	-312.7

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	5.6%	4.5%	2.9%	1.8%	1.1%	0.7%
E2 - incomplete primary	14.4%	12.2%	8.5%	5.8%	3.8%	2.4%
E3 - primary	10.5%	10.2%	9.1%	7.8%	6.4%	5.0%
E4 - lower secondary	7.0%	7.0%	7.0%	6.7%	6.1%	5.4%
E5 - upper secondary	36.3%	38.0%	41.0%	43.2%	44.6%	45.1%
E6 - post-secondary	26.2%	28.1%	31.4%	34.6%	38.0%	41.4%
Mean years of schooling (in years)	9.7	10.1	10.8	11.3	11.8	12.1
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.34	0.34	0.36	0.38	0.42	0.46
E2 - incomplete primary	0.80	0.75	0.68	0.63	0.59	0.56
E3 - primary	0.99	0.99	0.99	0.97	0.95	0.94
E4 - lower secondary	1.18	1.15	1.10	1.08	1.07	1.08
E5 - upper secondary	1.26	1.25	1.22	1.20	1.20	1.21
E6 - post-secondary	0.97	0.95	0.92	0.89	0.87	0.85
Mean years of schooling (male minus female)	0.4	0.3	0.2	0.1	0.0	0.0
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	1.5%	1.2%	0.6%	0.3%	0.1%	0.1%
E2 - incomplete primary	6.3%	4.7%	1.9%	0.9%	0.4%	0.2%
E3 - primary	10.7%	8.8%	5.8%	3.7%	2.2%	1.2%
E4 - lower secondary	8.8%	7.8%	6.5%	5.3%	4.0%	2.9%
E5 - upper secondary	46.7%	48.0%	50.3%	50.7%	49.6%	48.0%
E6 - post-secondary	26.0%	29.5%	34.9%	39.2%	43.7%	47.7%
Mean years of schooling (in years)	10.7	11.2	12.0	12.4	12.8	13.1

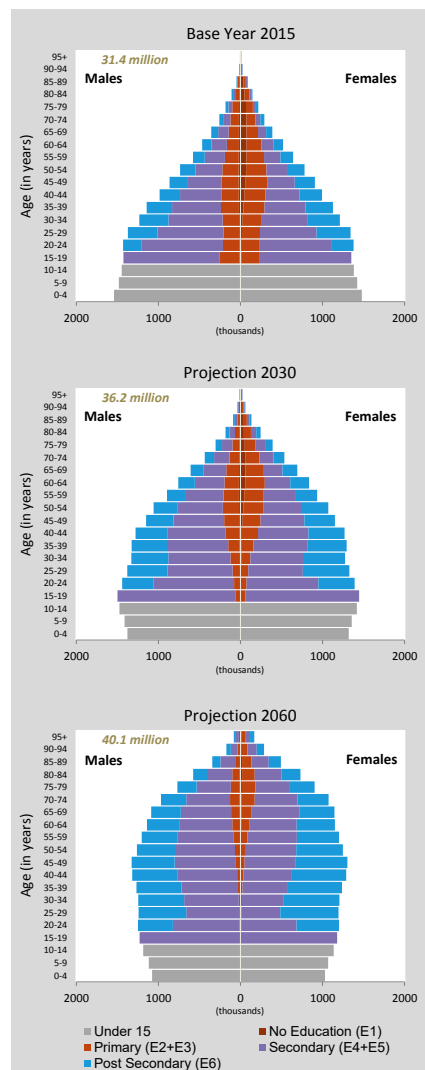
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

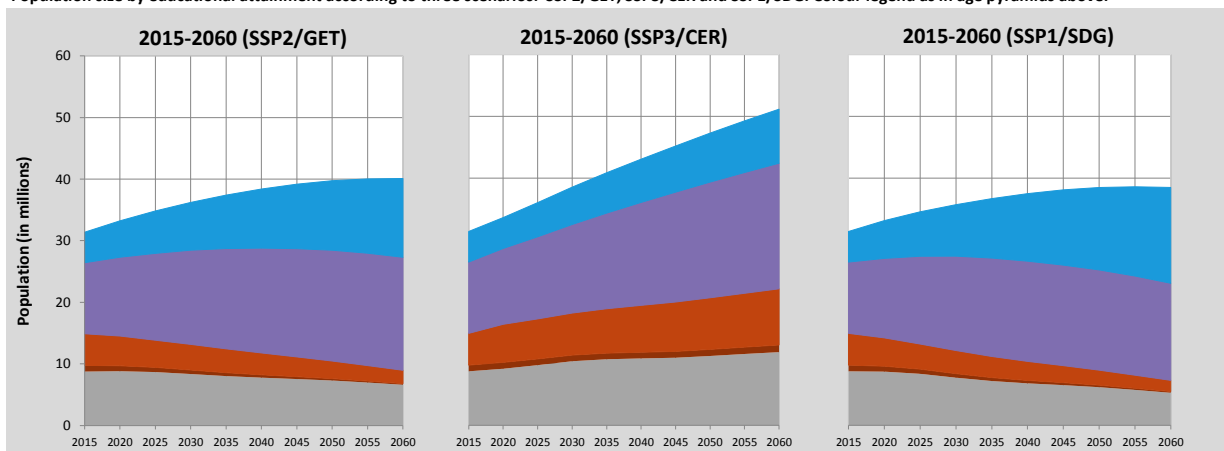
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

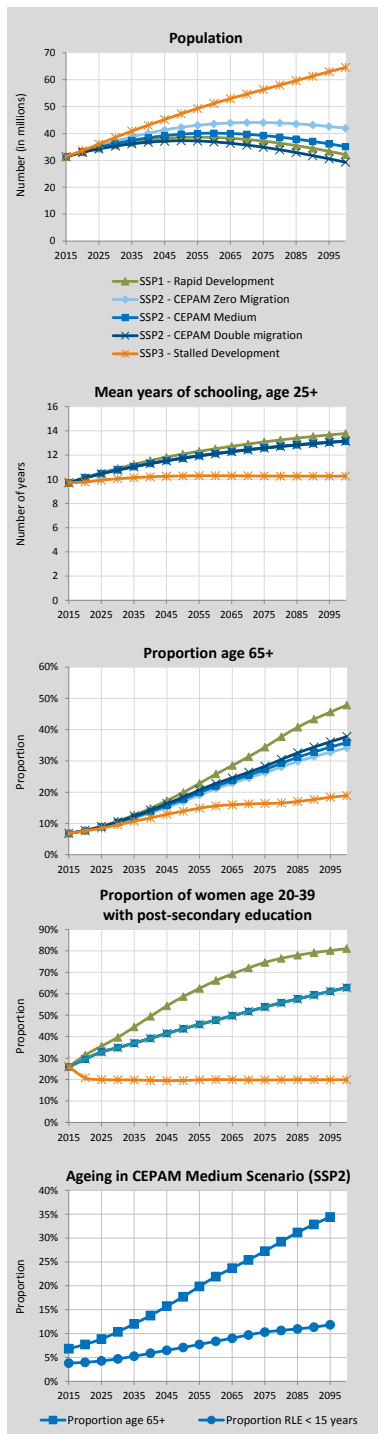
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Peru (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	31.38	33.13	35.71	38.49	38.50	37.16	32.17
SSP2 - CEPAM Zero Migration	31.38	33.49	37.14	42.29	43.56	44.06	41.95
SSP2 - CEPAM Medium	31.38	33.22	36.21	39.74	40.10	39.24	35.14
SSP2 - CEPAM Double Migration	31.38	32.95	35.30	37.32	36.88	34.89	29.34
SSP3 - Stalled Development	31.38	33.62	38.55	47.29	51.16	56.30	64.55
Proportion age 65+							
SSP1 - Rapid Development	6.8%	7.8%	10.7%	19.9%	25.8%	34.4%	47.9%
SSP2 - CEPAM Zero Migration	6.8%	7.7%	10.1%	17.0%	21.1%	26.2%	34.2%
SSP2 - CEPAM Medium	6.8%	7.7%	10.4%	17.7%	21.9%	27.2%	35.9%
SSP2 - CEPAM Double Migration	6.8%	7.8%	10.6%	18.4%	22.8%	28.3%	37.8%
SSP3 - Stalled Development	6.8%	7.6%	9.5%	13.9%	15.6%	16.4%	18.9%
Proportion below age 20							
SSP1 - Rapid Development	36.7%	34.8%	29.9%	21.9%	19.0%	15.5%	11.7%
SSP2 - CEPAM Zero Migration	36.7%	34.9%	31.1%	24.8%	22.6%	19.9%	16.9%
SSP2 - CEPAM Medium	36.7%	35.0%	31.2%	24.8%	22.5%	19.7%	16.5%
SSP2 - CEPAM Double Migration	36.7%	35.1%	31.3%	24.8%	22.4%	19.5%	16.0%
SSP3 - Stalled Development	36.7%	35.6%	34.6%	31.3%	30.4%	29.2%	27.7%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	26.0%	31.4%	39.7%	58.7%	66.2%	74.6%	81.1%
SSP2 - CEPAM Zero Migration	26.0%	29.6%	34.9%	43.7%	47.8%	53.9%	63.0%
SSP2 - CEPAM Medium	26.0%	29.5%	34.9%	43.7%	47.7%	53.8%	62.9%
SSP2 - CEPAM Double Migration	26.0%	29.5%	34.8%	43.7%	47.7%	53.8%	62.8%
SSP3 - Stalled Development	26.0%	20.8%	19.9%	19.6%	20.0%	19.8%	19.9%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	9.7	10.2	10.9	12.1	12.5	13.1	13.8
SSP2 - CEPAM Zero Migration	9.7	10.1	10.8	11.8	12.1	12.6	13.2
SSP2 - CEPAM Medium	9.7	10.1	10.8	11.8	12.1	12.6	13.2
SSP2 - CEPAM Double Migration	9.7	10.1	10.8	11.7	12.1	12.6	13.1
SSP3 - Stalled Development	9.7	9.8	10.0	10.3	10.3	10.3	10.3

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	2.25	2.00	1.73	1.49	1.46	1.41	1.36
SSP2 - CEPAM Zero Migration	2.34	2.18	1.98	1.74	1.70	1.64	1.57
SSP2 - CEPAM Medium	2.34	2.18	1.98	1.74	1.70	1.64	1.57
SSP2 - CEPAM Double Migration	2.34	2.18	1.98	1.74	1.70	1.64	1.57
SSP3 - Stalled Development	2.61	2.72	2.66	2.42	2.37	2.33	2.28
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	78.5	80.0	83.0	89.0	92.0	96.4	102.4
SSP2 - CEPAM Zero Migration	78.0	79.0	81.0	84.9	86.9	89.9	93.8
SSP2 - CEPAM Medium	78.0	79.0	81.0	84.9	86.9	89.9	93.8
SSP2 - CEPAM Double Migration	78.0	79.0	81.0	84.9	86.9	89.9	93.8
SSP3 - Stalled Development	77.4	77.8	78.6	80.2	81.1	82.3	84.1
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-249.6	-263.4	-283.4	-303.4	-302.2	-289.6	-257.7
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-249.4	-263.8	-286.5	-311.3	-312.4	-303.6	-277.7
SSP2 - CEPAM Double Migration	-498.8	-523.2	-558.1	-583.5	-573.1	-537.8	-467.4
SSP3 - Stalled Development	-166.2	-89.0	-0.3	-0.3	-0.4	-0.4	-0.5

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	27.5	29.1	32.4	38.9	42.3	46.7	51.9
Proportion age 65+	6.8%	7.7%	10.4%	17.7%	21.9%	27.2%	34.4%
Proportion RLE < 15 years	3.7%	3.8%	4.6%	7.1%	8.3%	10.4%	11.7%

Philippines

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	101.73	109.45	123.41	135.30	144.65	151.36
Proportion age 65+	4.6%	5.2%	6.9%	8.7%	10.7%	13.7%
Proportion below age 20	42.3%	40.2%	36.4%	32.6%	29.5%	26.7%
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	2.78	2.54	2.26	2.05	1.91	1.85
Life expectancy at birth (in years)						
Male	66.0	67.2	69.6	72.0	74.3	75.5
Female	72.9	74.0	76.1	78.3	80.5	82.6
Five-year net-migration flow (in thousands)	-516.9	-556.5	-627.4	-687.0	-733.5	-751.8

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	2.0%	1.6%	1.1%	0.7%	0.4%	0.2%
E2 - incomplete primary	11.0%	9.1%	5.9%	3.8%	2.3%	1.3%
E3 - primary	21.9%	19.0%	13.5%	9.2%	6.0%	3.7%
E4 - lower secondary	4.1%	4.5%	4.9%	4.6%	4.0%	3.3%
E5 - upper secondary	43.1%	45.9%	50.2%	52.0%	51.7%	49.7%
E6 - post-secondary	17.8%	19.9%	24.4%	29.7%	35.6%	41.7%
Mean years of schooling (in years)	9.0	9.4	10.0	10.5	11.0	11.4
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.84	0.86	0.87	0.87	0.89	0.90
E2 - incomplete primary	1.19	1.24	1.32	1.37	1.41	1.47
E3 - primary	0.95	0.95	0.95	0.96	0.96	0.98
E4 - lower secondary	1.13	1.17	1.24	1.30	1.35	1.39
E5 - upper secondary	1.05	1.05	1.05	1.07	1.11	1.15
E6 - post-secondary	0.84	0.84	0.84	0.83	0.82	0.82
Mean years of schooling (male minus female)	-0.1	-0.1	-0.1	-0.1	-0.2	-0.2
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	1.0%	0.7%	0.3%	0.1%	0.0%	0.0%
E2 - incomplete primary	6.0%	4.2%	1.7%	0.7%	0.3%	0.1%
E3 - primary	13.7%	10.1%	4.7%	2.3%	1.0%	0.4%
E4 - lower secondary	4.9%	5.2%	5.0%	3.5%	2.1%	1.2%
E5 - upper secondary	53.0%	55.5%	58.2%	56.1%	51.7%	46.0%
E6 - post-secondary	21.4%	24.2%	30.1%	37.2%	44.9%	52.4%
Mean years of schooling (in years)	10.1	10.5	11.1	11.6	12.0	12.3

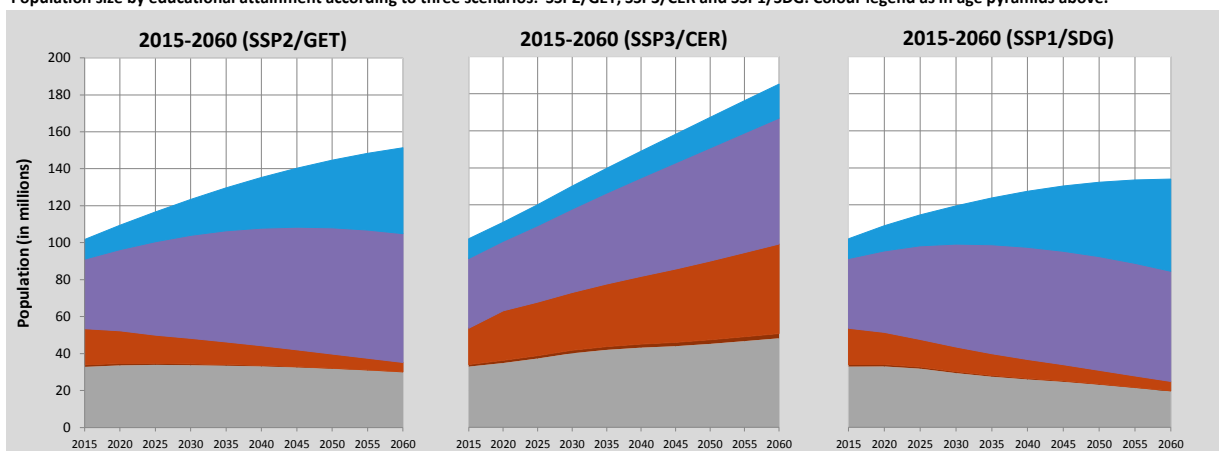
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

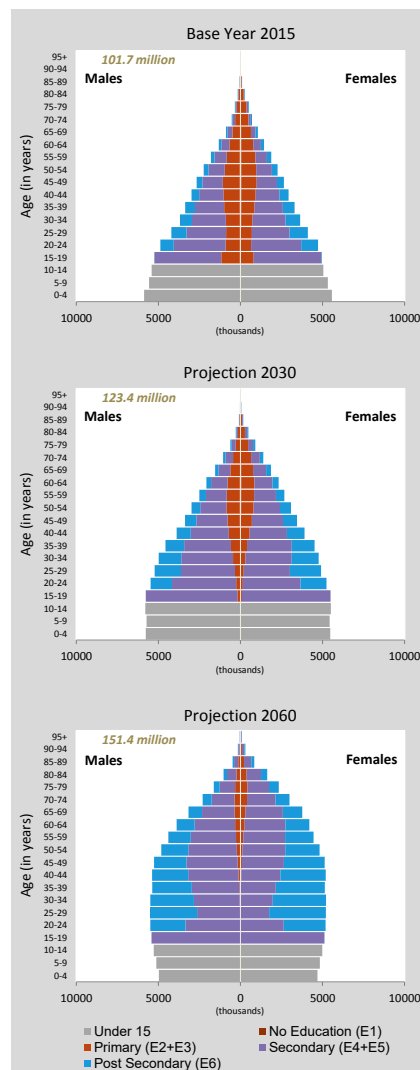
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

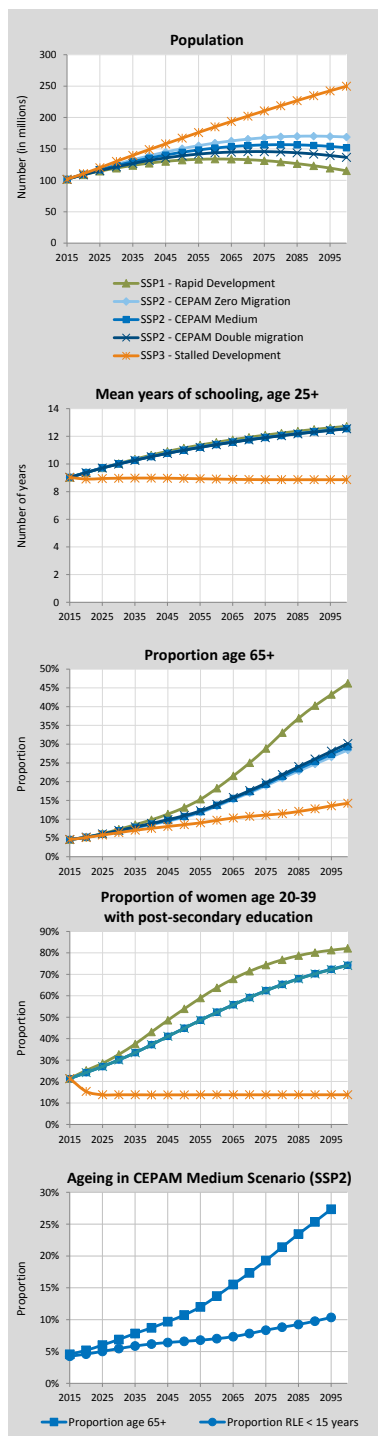
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



Philippines (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	101.73	108.77	119.45	132.21	133.93	131.40	115.19
SSP2 - CEPAM Zero Migration	101.73	110.02	125.42	150.41	159.31	167.82	168.99
SSP2 - CEPAM Medium	101.73	109.45	123.41	144.65	151.36	156.41	151.94
SSP2 - CEPAM Double Migration	101.73	108.89	121.41	139.09	143.79	145.75	136.59
SSP3 - Stalled Development	101.73	110.64	130.11	167.19	185.15	210.61	249.84
Proportion age 65+							
SSP1 - Rapid Development	4.6%	5.2%	7.3%	13.1%	18.3%	28.8%	46.2%
SSP2 - CEPAM Zero Migration	4.6%	5.2%	6.8%	10.5%	13.5%	18.9%	28.4%
SSP2 - CEPAM Medium	4.6%	5.2%	6.9%	10.7%	13.7%	19.3%	29.3%
SSP2 - CEPAM Double Migration	4.6%	5.2%	7.0%	10.9%	13.9%	19.6%	30.2%
SSP3 - Stalled Development	4.6%	5.1%	6.4%	8.5%	9.7%	11.1%	14.3%
Proportion below age 20							
SSP1 - Rapid Development	42.3%	39.8%	34.0%	23.9%	20.2%	15.7%	10.8%
SSP2 - CEPAM Zero Migration	42.3%	40.1%	36.3%	29.5%	26.7%	23.1%	18.7%
SSP2 - CEPAM Medium	42.3%	40.2%	36.4%	29.5%	26.7%	23.0%	18.5%
SSP2 - CEPAM Double Migration	42.3%	40.3%	36.5%	29.6%	26.7%	22.9%	18.2%
SSP3 - Stalled Development	42.3%	40.8%	39.4%	35.5%	34.0%	32.2%	29.5%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	21.4%	25.2%	32.7%	53.9%	63.8%	74.4%	82.1%
SSP2 - CEPAM Zero Migration	21.4%	24.2%	30.1%	44.9%	52.4%	62.5%	74.4%
SSP2 - CEPAM Medium	21.4%	24.2%	30.1%	44.9%	52.4%	62.4%	74.2%
SSP2 - CEPAM Double Migration	21.4%	24.2%	30.1%	44.8%	52.3%	62.3%	74.1%
SSP3 - Stalled Development	21.4%	15.4%	13.8%	13.8%	13.9%	13.8%	13.8%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	9.0	9.4	10.0	11.1	11.6	12.1	12.7
SSP2 - CEPAM Zero Migration	9.0	9.4	10.0	11.0	11.4	11.9	12.6
SSP2 - CEPAM Medium	9.0	9.4	10.0	11.0	11.4	11.9	12.6
SSP2 - CEPAM Double Migration	9.0	9.4	10.0	11.0	11.4	11.9	12.5
SSP3 - Stalled Development	9.0	8.9	9.0	9.0	8.9	8.9	8.9

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	2.60	2.20	1.77	1.43	1.33	1.27	1.18
SSP2 - CEPAM Zero Migration	2.78	2.54	2.26	1.91	1.79	1.70	1.58
SSP2 - CEPAM Medium	2.78	2.54	2.26	1.91	1.79	1.70	1.58
SSP2 - CEPAM Double Migration	2.78	2.54	2.26	1.91	1.79	1.70	1.58
SSP3 - Stalled Development	3.05	3.03	2.88	2.53	2.44	2.36	2.23
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	73.4	75.0	78.1	84.5	87.6	92.4	98.7
SSP2 - CEPAM Zero Migration	72.9	74.0	76.1	80.5	82.6	85.9	90.2
SSP2 - CEPAM Medium	72.9	74.0	76.1	80.5	82.6	85.9	90.2
SSP2 - CEPAM Double Migration	72.9	74.0	76.1	80.5	82.6	85.9	90.2
SSP3 - Stalled Development	72.3	72.7	73.7	75.8	76.7	78.3	80.5
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-517.2	-553.6	-608.5	-672.4	-679.9	-663.0	-595.0
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-516.9	-556.5	-627.4	-733.5	-766.4	-789.1	-771.7
SSP2 - CEPAM Double Migration	-1033.8	-1106.9	-1233.3	-1407.1	-1451.1	-1463.4	-1387.1
SSP3 - Stalled Development	-344.5	-187.6	-0.6	-0.8	-0.9	-1.0	-1.2

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	24.1	25.3	28.0	33.6	36.5	41.0	46.8
Proportion age 65+	4.6%	5.2%	6.9%	10.7%	13.7%	19.3%	27.3%
Proportion RLE < 15 years	4.0%	4.3%	5.2%	6.6%	7.2%	8.9%	11.0%

Puerto Rico

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	3.67	3.65	3.56	3.41	3.21	2.99
Proportion age 65+	14.5%	16.5%	21.2%	26.2%	31.5%	36.4%
Proportion below age 20	26.2%	23.8%	20.6%	18.7%	16.8%	15.5%
Total Fertility Rate	1.52	1.51	1.52	1.55	1.55	1.55
Life expectancy at birth (in years)						
Male	76.4	77.5	79.8	82.1	84.3	85.5
Female	83.9	85.0	87.1	89.3	91.4	93.6
Five-year net-migration flow (in thousands)	-73.9	-70.2	-61.8	-52.0	-41.4	-36.3

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	2.1%	1.9%	1.6%	1.4%	1.3%	1.2%
E2 - incomplete primary	6.0%	4.8%	3.0%	1.9%	1.3%	0.9%
E3 - primary	7.4%	6.5%	4.9%	3.8%	3.0%	2.4%
E4 - lower secondary	8.3%	7.9%	7.0%	6.1%	5.4%	4.7%
E5 - upper secondary	41.6%	41.7%	41.7%	41.2%	40.0%	38.6%
E6 - post-secondary	34.6%	37.2%	41.8%	45.6%	49.0%	52.1%
Mean years of schooling (in years)	11.8	12.1	12.5	12.8	13.0	13.2
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	1.09	1.10	1.10	1.06	0.97	0.86
E2 - incomplete primary	0.97	1.00	1.09	1.20	1.30	1.30
E3 - primary	1.21	1.23	1.27	1.32	1.37	1.34
E4 - lower secondary	1.34	1.35	1.36	1.38	1.38	1.36
E5 - upper secondary	1.17	1.18	1.20	1.23	1.27	1.31
E6 - post-secondary	0.74	0.74	0.76	0.76	0.77	0.78
Mean years of schooling (male minus female)	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	0.9%	0.9%	0.6%	0.5%	0.4%	0.3%
E2 - incomplete primary	1.0%	0.7%	0.4%	0.3%	0.2%	0.2%
E3 - primary	3.1%	2.5%	1.5%	1.0%	0.7%	0.6%
E4 - lower secondary	7.4%	6.1%	3.7%	2.6%	1.9%	1.5%
E5 - upper secondary	49.6%	47.3%	44.2%	41.9%	39.2%	36.4%
E6 - post-secondary	38.0%	42.4%	49.6%	53.7%	57.5%	61.0%
Mean years of schooling (in years)	13.0	13.2	13.5	13.7	13.8	14.0

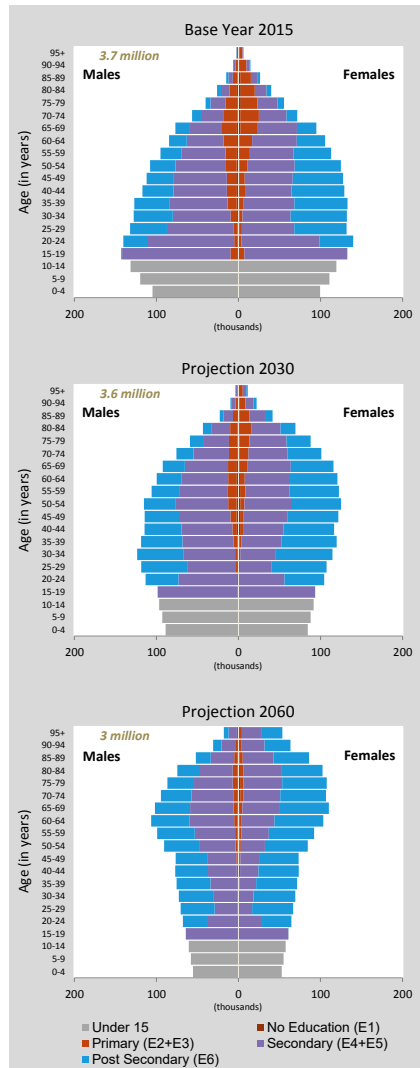
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

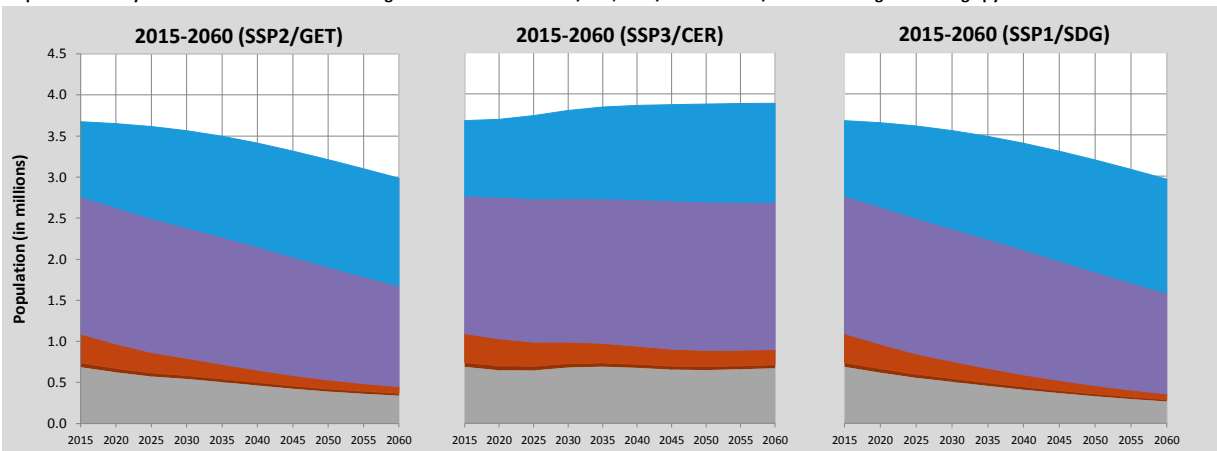
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

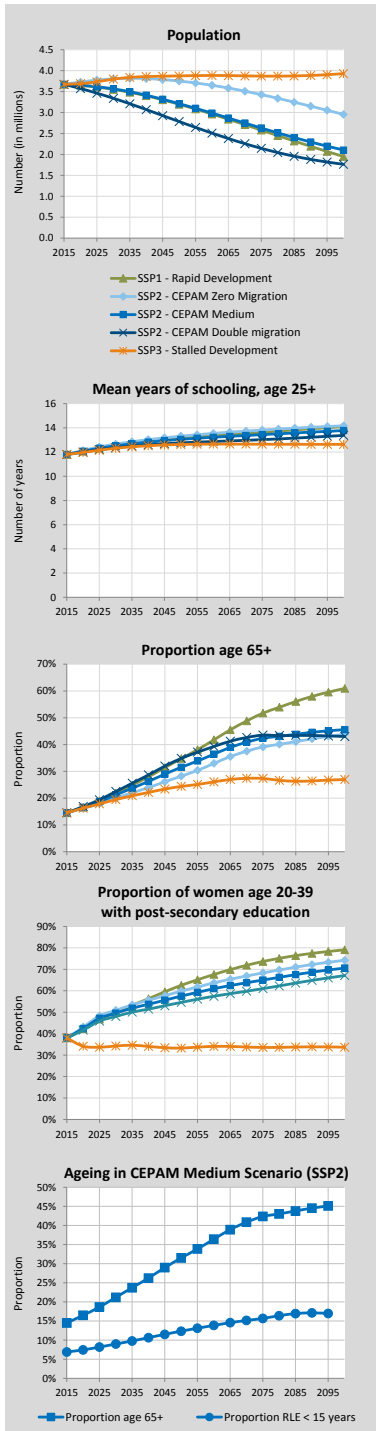
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Puerto Rico (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)	2015 2020 2030 2050 2060 2075 2100						
	Population (in millions)						
SSP1 - Rapid Development	3.67	3.65	3.55	3.20	2.96	2.58	1.95
SSP2 - CEPAM Zero Migration	3.67	3.73	3.81	3.75	3.65	3.43	2.96
SSP2 - CEPAM Medium	3.67	3.65	3.56	3.21	2.99	2.63	2.10
SSP2 - CEPAM Double Migration	3.67	3.57	3.34	2.78	2.51	2.14	1.76
SSP3 - Stalled Development	3.67	3.69	3.80	3.87	3.88	3.87	3.93
Proportion age 65+							
SSP1 - Rapid Development	14.5%	16.6%	21.8%	34.8%	41.8%	51.7%	60.9%
SSP2 - CEPAM Zero Migration	14.5%	16.2%	20.0%	28.2%	33.0%	39.1%	43.9%
SSP2 - CEPAM Medium	14.5%	16.5%	21.2%	31.5%	36.4%	42.4%	45.6%
SSP2 - CEPAM Double Migration	14.5%	16.8%	22.5%	34.8%	39.3%	43.5%	43.0%
SSP3 - Stalled Development	14.5%	16.3%	19.5%	24.4%	26.1%	27.3%	26.9%
Proportion below age 20							
SSP1 - Rapid Development	26.2%	23.7%	19.6%	14.4%	12.5%	10.5%	8.7%
SSP2 - CEPAM Zero Migration	26.2%	23.8%	20.8%	17.4%	16.3%	15.1%	14.0%
SSP2 - CEPAM Medium	26.2%	23.8%	20.6%	16.8%	15.5%	14.4%	13.8%
SSP2 - CEPAM Double Migration	26.2%	23.9%	20.3%	16.1%	15.0%	14.2%	14.6%
SSP3 - Stalled Development	26.2%	24.2%	23.1%	22.5%	22.7%	22.9%	23.5%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	38.0%	42.3%	49.9%	62.6%	67.6%	73.7%	79.1%
SSP2 - CEPAM Zero Migration	38.0%	43.1%	50.9%	59.8%	63.7%	68.4%	74.2%
SSP2 - CEPAM Medium	38.0%	42.4%	49.6%	57.5%	61.0%	65.0%	70.6%
SSP2 - CEPAM Double Migration	38.0%	41.6%	48.0%	54.6%	57.5%	61.0%	67.1%
SSP3 - Stalled Development	38.0%	34.2%	34.3%	33.3%	34.1%	33.6%	33.7%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	11.8	12.1	12.5	13.1	13.3	13.6	14.1
SSP2 - CEPAM Zero Migration	11.8	12.1	12.7	13.3	13.5	13.8	14.2
SSP2 - CEPAM Medium	11.8	12.1	12.5	13.0	13.2	13.4	13.8
SSP2 - CEPAM Double Migration	11.8	12.0	12.4	12.8	12.9	13.0	13.4
SSP3 - Stalled Development	11.8	12.0	12.3	12.6	12.7	12.6	12.6

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.47	1.41	1.35	1.35	1.35	1.36	1.39
SSP2 - CEPAM Zero Migration	1.52	1.51	1.52	1.55	1.55	1.56	1.60
SSP2 - CEPAM Medium	1.52	1.51	1.52	1.55	1.55	1.56	1.60
SSP2 - CEPAM Double Migration	1.52	1.52	1.53	1.55	1.55	1.57	1.60
SSP3 - Stalled Development	1.66	1.81	1.97	2.06	2.07	2.10	2.16
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	84.4	86.0	89.1	95.4	98.6	103.3	109.6
SSP2 - CEPAM Zero Migration	83.9	85.0	87.1	91.5	93.6	96.9	101.2
SSP2 - CEPAM Medium	83.9	85.0	87.1	91.4	93.6	96.8	101.1
SSP2 - CEPAM Double Migration	83.9	84.9	87.1	91.4	93.5	96.7	100.9
SSP3 - Stalled Development	83.3	83.9	85.1	87.4	88.5	90.2	92.4
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-74.1	-70.6	-63.5	-46.2	-37.6	-25.6	-13.1
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-73.9	-70.2	-61.8	-41.4	-31.3	-17.8	-4.4
SSP2 - CEPAM Double Migration	-147.9	-135.4	-109.2	-55.8	-32.9	-6.3	12.1
SSP3 - Stalled Development	-49.3	-23.7	0.0	0.0	0.0	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	36.4	38.5	42.8	51.3	54.9	58.1	60.6
Proportion age 65+	14.5%	16.5%	21.2%	31.5%	36.4%	42.4%	45.1%
Proportion RLE < 15 years	6.6%	7.0%	8.9%	12.8%	14.4%	16.1%	17.1%

Qatar

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	2.48	2.76	3.29	3.80	4.25	4.59
Proportion age 65+	1.1%	1.9%	5.7%	13.3%	25.5%	35.6%
Proportion below age 20	17.9%	18.1%	17.0%	14.6%	14.0%	13.5%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	1.95	1.92	1.85	1.81	1.73	1.71
Life expectancy at birth (in years)						
Male	77.6	78.7	80.9	83.2	85.4	86.5
Female	80.1	81.1	83.1	85.2	87.2	89.2
Five-year net-migration flow (in thousands)	170.9	179.1	193.2	204.5	213.1	216.3

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	3.4%	3.6%	3.7%	3.5%	3.2%	2.8%
E2 - incomplete primary	22.6%	20.3%	17.6%	14.6%	11.8%	9.1%
E3 - primary	20.6%	19.6%	18.3%	16.7%	14.8%	12.8%
E4 - lower secondary	11.9%	12.6%	13.2%	13.8%	14.2%	14.3%
E5 - upper secondary	23.2%	24.8%	26.5%	28.7%	31.1%	33.6%
E6 - post-secondary	18.3%	19.1%	20.7%	22.7%	24.9%	27.3%
Mean years of schooling (in years)	9.2	9.4	9.7	10.1	10.5	11.0
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.72	0.77	0.91	1.06	1.15	1.20
E2 - incomplete primary	1.43	1.48	1.65	1.88	2.09	2.28
E3 - primary	2.13	2.06	2.10	2.27	2.43	2.57
E4 - lower secondary	1.28	1.39	1.46	1.61	1.80	2.02
E5 - upper secondary	1.02	1.07	1.09	1.14	1.23	1.34
E6 - post-secondary	0.40	0.39	0.39	0.37	0.36	0.36
Mean years of schooling (male minus female)	-1.6	-1.6	-1.7	-1.9	-1.9	-1.9
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	2.5%	2.7%	2.1%	1.7%	1.1%	0.7%
E2 - incomplete primary	20.7%	17.0%	9.9%	5.0%	3.1%	1.8%
E3 - primary	20.7%	18.6%	14.3%	10.3%	8.0%	5.9%
E4 - lower secondary	14.0%	14.4%	15.0%	14.7%	14.2%	13.0%
E5 - upper secondary	26.2%	28.8%	34.4%	38.2%	40.6%	43.1%
E6 - post-secondary	15.7%	18.5%	24.3%	30.1%	32.9%	35.4%
Mean years of schooling (in years)	11.3	11.7	12.8	13.5	14.0	14.3

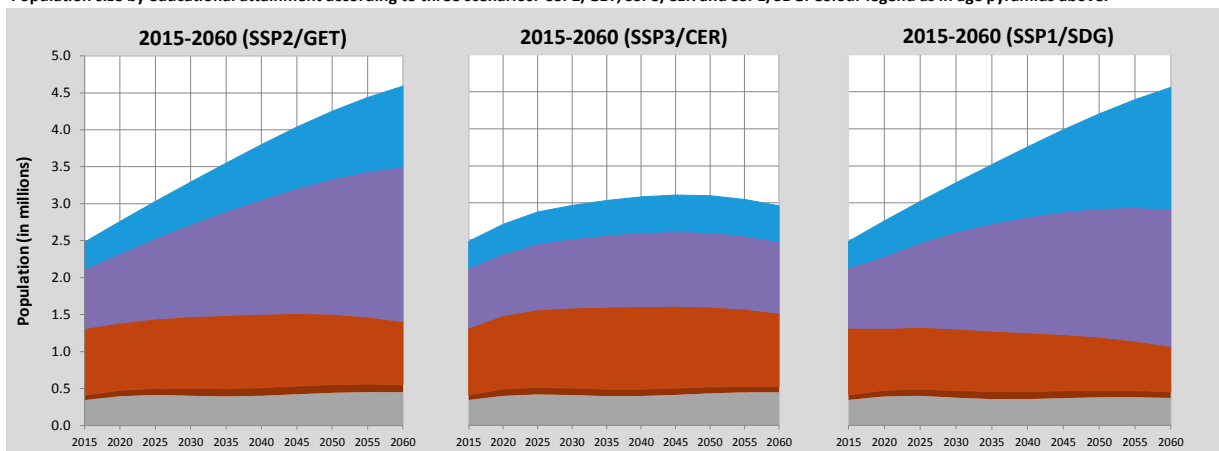
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

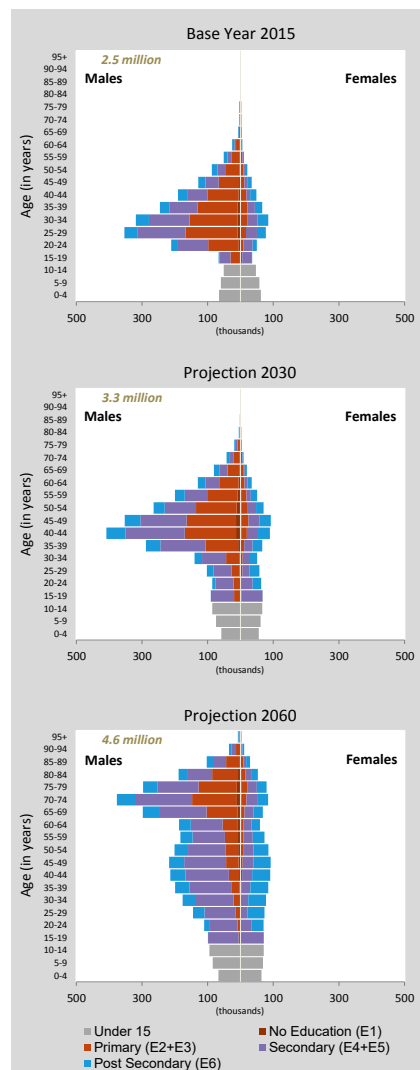
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

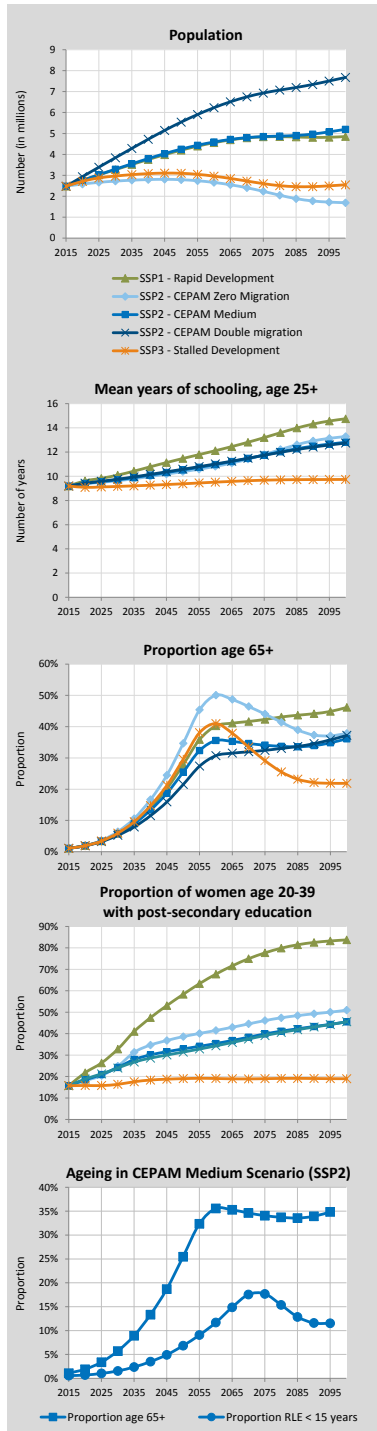
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



Qatar (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)

	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	2.48	2.76	3.27	4.20	4.56	4.84	4.85
SSP2 - CEPAM Zero Migration	2.48	2.58	2.72	2.79	2.66	2.24	1.69
SSP2 - CEPAM Medium	2.48	2.76	3.29	4.25	4.59	4.85	5.20
SSP2 - CEPAM Double Migration	2.48	2.94	3.84	5.54	6.23	6.93	7.68
SSP3 - Stalled Development	2.48	2.71	2.97	3.10	2.96	2.60	2.55
Proportion age 65+							
SSP1 - Rapid Development	1.1%	1.9%	5.9%	27.9%	40.2%	42.3%	46.2%
SSP2 - CEPAM Zero Migration	1.1%	1.9%	6.4%	34.7%	50.1%	44.0%	37.8%
SSP2 - CEPAM Medium	1.1%	1.9%	5.7%	25.5%	35.6%	34.1%	36.1%
SSP2 - CEPAM Double Migration	1.1%	1.9%	5.2%	21.5%	30.7%	32.4%	37.2%
SSP3 - Stalled Development	1.1%	1.9%	5.9%	29.6%	41.0%	29.1%	21.9%
Proportion below age 20							
SSP1 - Rapid Development	17.9%	17.9%	16.2%	12.2%	11.3%	9.9%	8.9%
SSP2 - CEPAM Zero Migration	17.9%	18.0%	16.5%	14.0%	14.2%	14.4%	15.7%
SSP2 - CEPAM Medium	17.9%	18.1%	17.0%	14.0%	13.5%	12.7%	11.8%
SSP2 - CEPAM Double Migration	17.9%	18.2%	17.3%	13.8%	13.1%	12.0%	10.8%
SSP3 - Stalled Development	17.9%	18.4%	18.5%	18.1%	20.0%	23.1%	25.8%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	15.7%	21.8%	32.8%	58.4%	67.8%	77.7%	83.7%
SSP2 - CEPAM Zero Migration	15.7%	18.1%	24.9%	38.6%	41.5%	46.1%	51.0%
SSP2 - CEPAM Medium	15.7%	18.5%	24.3%	32.9%	35.4%	39.9%	45.5%
SSP2 - CEPAM Double Migration	15.7%	18.9%	24.0%	31.4%	34.3%	39.1%	45.6%
SSP3 - Stalled Development	15.7%	15.8%	16.4%	19.0%	19.1%	19.0%	19.0%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	9.2	9.6	10.1	11.5	12.1	13.2	14.8
SSP2 - CEPAM Zero Migration	9.2	9.4	9.6	10.4	10.8	11.8	13.3
SSP2 - CEPAM Medium	9.2	9.4	9.7	10.5	11.0	11.8	12.8
SSP2 - CEPAM Double Migration	9.2	9.4	9.8	10.6	11.0	11.7	12.7
SSP3 - Stalled Development	9.2	9.1	9.2	9.4	9.5	9.7	9.7

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.87	1.76	1.62	1.51	1.47	1.40	1.38
SSP2 - CEPAM Zero Migration	1.94	1.91	1.84	1.73	1.68	1.61	1.58
SSP2 - CEPAM Medium	1.95	1.92	1.85	1.73	1.68	1.61	1.58
SSP2 - CEPAM Double Migration	1.95	1.93	1.85	1.73	1.68	1.61	1.58
SSP3 - Stalled Development	2.13	2.32	2.40	2.31	2.25	2.23	2.27
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	80.6	82.1	85.1	91.2	94.3	98.8	105.0
SSP2 - CEPAM Zero Migration	80.1	81.1	83.2	87.3	89.3	92.4	96.5
SSP2 - CEPAM Medium	80.1	81.1	83.1	87.2	89.2	92.3	96.3
SSP2 - CEPAM Double Migration	80.1	81.1	83.1	87.1	89.2	92.2	96.2
SSP3 - Stalled Development	79.6	80.1	81.0	83.0	83.8	85.1	86.9
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	171.2	178.3	186.7	192.8	189.5	181.3	160.3
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	170.9	179.1	193.2	213.1	218.7	223.1	213.7
SSP2 - CEPAM Double Migration	341.9	351.2	364.4	374.6	372.3	365.0	334.5
SSP3 - Stalled Development	113.9	60.6	0.2	0.3	0.3	0.3	0.4

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	31.3	35.0	42.3	51.8	52.2	52.9	53.4
Proportion age 65+	1.1%	1.9%	5.7%	25.5%	35.6%	34.1%	34.8%
Proportion RLE < 15 years	0.7%	0.8%	1.1%	4.5%	7.9%	11.5%	10.3%

Republic of Congo

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	5.00	5.67	6.94	8.22	9.29	10.13
Proportion age 65+	3.4%	3.5%	4.3%	5.6%	7.3%	8.6%
Proportion below age 20	52.3%	51.4%	46.2%	40.3%	36.2%	31.7%
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Total Fertility Rate	4.27	3.59	2.84	2.35	2.07	1.98
Life expectancy at birth (in years)						
Male	63.6	64.4	65.9	67.4	68.9	69.6
Female	66.9	67.7	69.3	70.9	72.6	74.2
Five-year net-migration flow (in thousands)	10.1	7.7	3.0	-2.4	-7.1	-9.0

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	9.3%	7.1%	3.7%	2.0%	1.1%	0.6%
E2 - incomplete primary	14.2%	12.4%	8.5%	5.5%	3.5%	2.2%
E3 - primary	37.0%	36.7%	34.7%	30.1%	24.9%	19.7%
E4 - lower secondary	21.5%	23.2%	26.8%	29.4%	30.6%	30.4%
E5 - upper secondary	10.2%	12.0%	16.0%	21.0%	25.8%	30.7%
E6 - post-secondary	7.8%	8.6%	10.2%	12.1%	14.0%	16.3%
Mean years of schooling (in years)	8.0	8.4	9.3	10.1	10.8	11.4
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.33	0.34	0.39	0.50	0.62	0.71
E2 - incomplete primary	0.74	0.70	0.66	0.67	0.70	0.73
E3 - primary	0.86	0.82	0.77	0.73	0.70	0.68
E4 - lower secondary	1.38	1.30	1.17	1.06	0.97	0.92
E5 - upper secondary	1.69	1.54	1.34	1.21	1.14	1.08
E6 - post-secondary	2.73	2.41	2.05	1.87	1.80	1.73
Mean years of schooling (male minus female)	1.0	0.9	0.7	0.6	0.5	0.5
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	3.3%	2.3%	0.5%	0.2%	0.1%	0.1%
E2 - incomplete primary	12.1%	8.4%	3.1%	1.4%	0.6%	0.2%
E3 - primary	39.9%	36.3%	29.6%	21.9%	15.1%	9.3%
E4 - lower secondary	25.0%	27.5%	31.7%	32.9%	32.0%	28.8%
E5 - upper secondary	12.7%	16.8%	24.0%	30.0%	36.3%	42.7%
E6 - post-secondary	7.0%	8.6%	11.1%	13.5%	16.0%	19.0%
Mean years of schooling (in years)	8.2	8.9	10.0	10.8	11.4	12.1

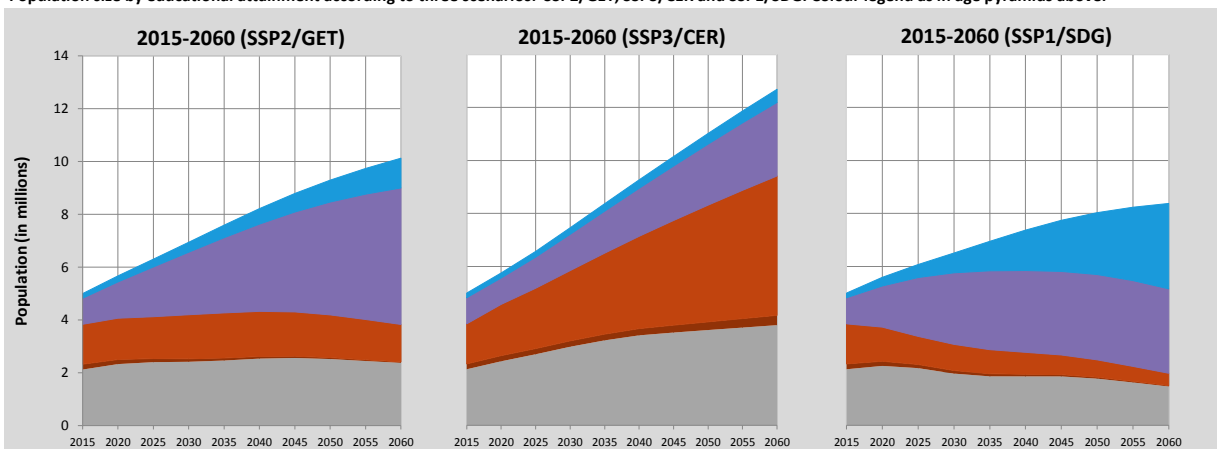
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

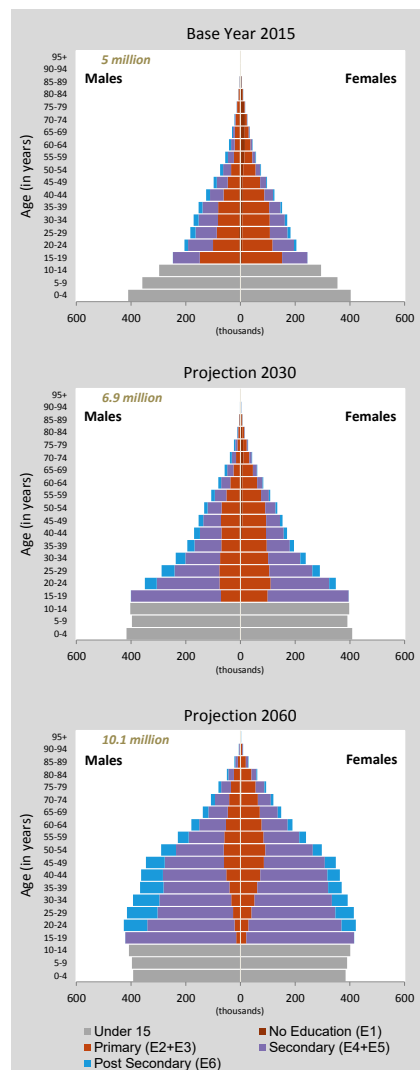
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

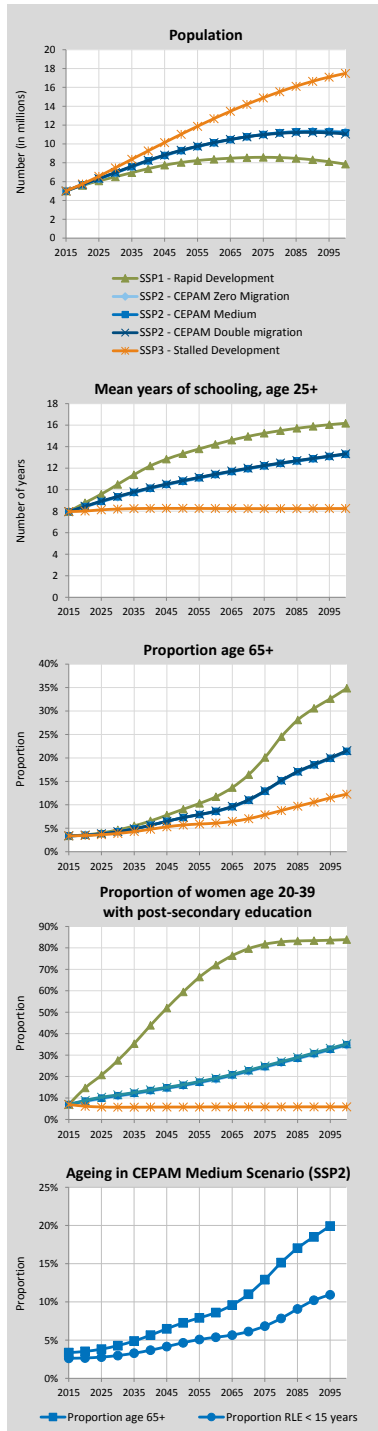
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



Republic of Congo (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)

	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	5.00	5.59	6.51	8.03	8.38	8.58	7.85
SSP2 - CEPAM Zero Migration	5.00	5.66	6.91	9.25	10.09	11.01	11.30
SSP2 - CEPAM Medium	5.00	5.67	6.94	9.29	10.13	11.00	11.20
SSP2 - CEPAM Double Migration	5.00	5.68	6.97	9.33	10.14	10.97	11.06
SSP3 - Stalled Development	5.00	5.76	7.46	11.02	12.69	14.89	17.49
Proportion age 65+							
SSP1 - Rapid Development	3.4%	3.6%	4.7%	9.1%	11.7%	20.1%	34.8%
SSP2 - CEPAM Zero Migration	3.4%	3.5%	4.3%	7.3%	8.5%	12.9%	21.3%
SSP2 - CEPAM Medium	3.4%	3.5%	4.3%	7.3%	8.6%	12.9%	21.4%
SSP2 - CEPAM Double Migration	3.4%	3.5%	4.3%	7.3%	8.7%	13.0%	21.5%
SSP3 - Stalled Development	3.4%	3.5%	3.9%	5.7%	6.1%	7.9%	12.3%
Proportion below age 20							
SSP1 - Rapid Development	52.3%	50.7%	42.3%	29.7%	24.6%	19.3%	13.8%
SSP2 - CEPAM Zero Migration	52.3%	51.5%	46.3%	36.2%	31.7%	27.1%	22.1%
SSP2 - CEPAM Medium	52.3%	51.4%	46.2%	36.2%	31.7%	27.2%	22.2%
SSP2 - CEPAM Double Migration	52.3%	51.4%	46.2%	36.2%	31.7%	27.2%	22.2%
SSP3 - Stalled Development	52.3%	52.3%	50.4%	42.8%	39.1%	35.0%	31.1%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	7.0%	14.7%	27.5%	59.5%	72.0%	81.7%	83.9%
SSP2 - CEPAM Zero Migration	7.0%	8.3%	10.8%	15.7%	18.7%	24.3%	34.6%
SSP2 - CEPAM Medium	7.0%	8.6%	11.1%	16.0%	19.0%	24.6%	34.9%
SSP2 - CEPAM Double Migration	7.0%	8.9%	11.4%	16.2%	19.3%	25.0%	35.3%
SSP3 - Stalled Development	7.0%	6.2%	5.7%	5.8%	5.8%	5.9%	5.9%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	8.0	8.8	10.5	13.3	14.2	15.2	16.2
SSP2 - CEPAM Zero Migration	8.0	8.4	9.3	10.8	11.4	12.2	13.3
SSP2 - CEPAM Medium	8.0	8.4	9.3	10.8	11.4	12.2	13.3
SSP2 - CEPAM Double Migration	8.0	8.5	9.4	10.8	11.4	12.2	13.3
SSP3 - Stalled Development	8.0	8.0	8.2	8.3	8.3	8.2	8.3

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	3.85	2.90	2.09	1.53	1.42	1.32	1.22
SSP2 - CEPAM Zero Migration	4.27	3.59	2.83	2.06	1.91	1.78	1.65
SSP2 - CEPAM Medium	4.27	3.59	2.84	2.07	1.91	1.78	1.65
SSP2 - CEPAM Double Migration	4.27	3.59	2.84	2.07	1.91	1.79	1.65
SSP3 - Stalled Development	4.76	4.46	3.80	2.73	2.51	2.37	2.25
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	67.5	69.0	71.9	77.3	79.9	83.8	89.1
SSP2 - CEPAM Zero Migration	66.9	67.7	69.3	72.5	74.1	76.5	79.8
SSP2 - CEPAM Medium	66.9	67.7	69.3	72.6	74.2	76.6	79.8
SSP2 - CEPAM Double Migration	66.9	67.7	69.3	72.6	74.2	76.6	79.8
SSP3 - Stalled Development	66.3	66.4	66.6	67.2	67.4	67.9	68.8
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	10.1	8.1	4.8	-2.0	-4.0	-6.4	-6.2
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	10.1	7.7	3.0	-7.1	-10.9	-15.5	-17.3
SSP2 - CEPAM Double Migration	20.2	15.0	4.6	-16.7	-24.5	-33.6	-36.2
SSP3 - Stalled Development	6.7	2.5	0.0	0.0	0.0	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	18.9	19.3	21.9	28.1	31.1	35.8	41.0
Proportion age 65+	3.4%	3.5%	4.3%	7.3%	8.6%	12.9%	19.9%
Proportion RLE < 15 years	2.6%	2.7%	2.9%	4.5%	5.3%	6.7%	10.8%

Réunion

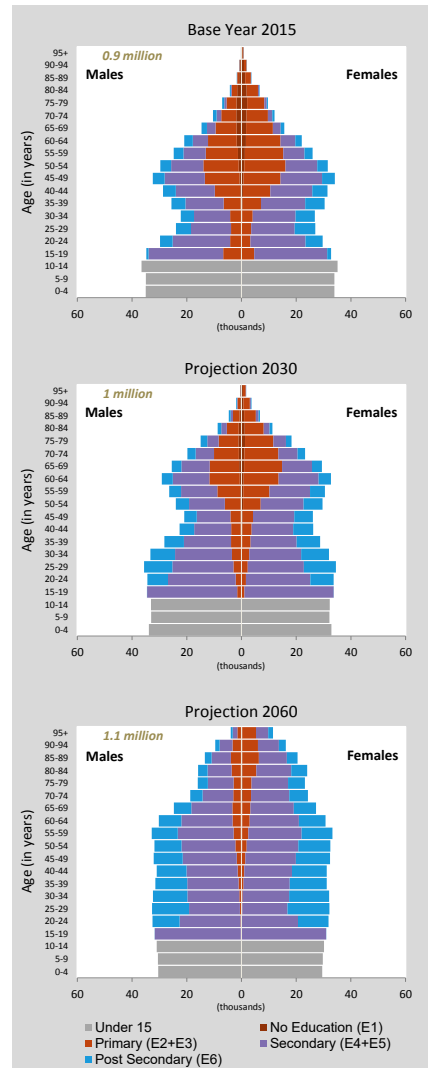
Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	0.86	0.90	0.96	1.02	1.05	1.07
Proportion age 65+	10.3%	12.5%	17.7%	21.9%	22.8%	23.3%
Proportion below age 20	32.1%	30.5%	27.5%	25.9%	24.4%	22.9%
Total Fertility Rate	2.26	2.15	2.03	1.94	1.90	1.88
Life expectancy at birth (in years)						
Male	77.3	78.3	80.3	82.3	84.3	85.3
Female	83.7	84.7	86.6	88.6	90.5	92.4
Five-year net-migration flow (in thousands)	-3.6	-3.6	-3.5	-3.4	-3.1	-3.0

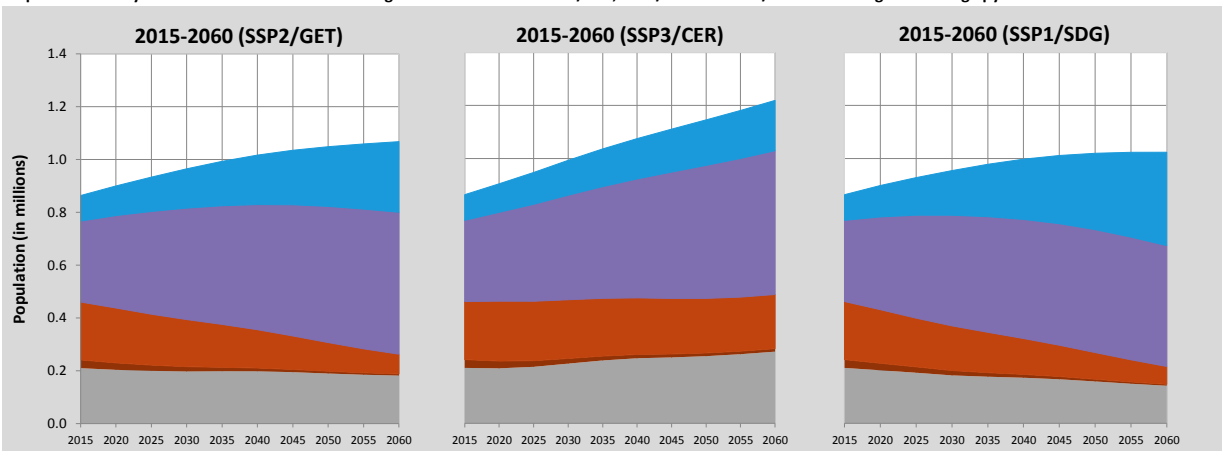
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	5.8%	4.7%	2.8%	1.8%	1.2%	0.8%
E2 - incomplete primary	9.6%	8.3%	5.8%	3.9%	2.4%	1.4%
E3 - primary	28.5%	26.4%	21.5%	16.7%	12.3%	8.3%
E4 - lower secondary	12.9%	13.2%	13.3%	12.8%	11.7%	10.3%
E5 - upper secondary	27.2%	29.9%	35.5%	40.2%	44.0%	46.7%
E6 - post-secondary	15.9%	17.5%	21.0%	24.7%	28.4%	32.5%
Mean years of schooling (in years)	9.0	9.4	10.3	11.1	11.8	12.3
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.99	0.96	0.86	0.76	0.68	0.64
E2 - incomplete primary	0.85	0.87	0.88	0.89	0.89	0.89
E3 - primary	0.96	0.95	0.93	0.91	0.89	0.90
E4 - lower secondary	0.89	0.91	0.93	0.94	0.94	0.95
E5 - upper secondary	1.16	1.15	1.14	1.13	1.12	1.11
E6 - post-secondary	1.02	0.99	0.96	0.94	0.92	0.91
Mean years of schooling (male minus female)	0.1	0.1	0.1	0.1	0.0	0.0
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	0.9%	0.8%	0.4%	0.3%	0.2%	0.1%
E2 - incomplete primary	1.9%	1.3%	0.7%	0.4%	0.2%	0.1%
E3 - primary	14.2%	11.1%	7.5%	4.6%	2.7%	1.5%
E4 - lower secondary	16.0%	14.6%	11.4%	8.9%	6.4%	4.5%
E5 - upper secondary	44.7%	47.9%	52.0%	53.9%	54.6%	53.8%
E6 - post-secondary	22.3%	24.2%	28.1%	32.0%	35.9%	39.9%
Mean years of schooling (in years)	11.5	11.9	12.4	12.9	13.3	13.6

Education scenarios
 SSP2/GET: Global Education Trend Scenario (Medium assumption)
 SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)
 SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

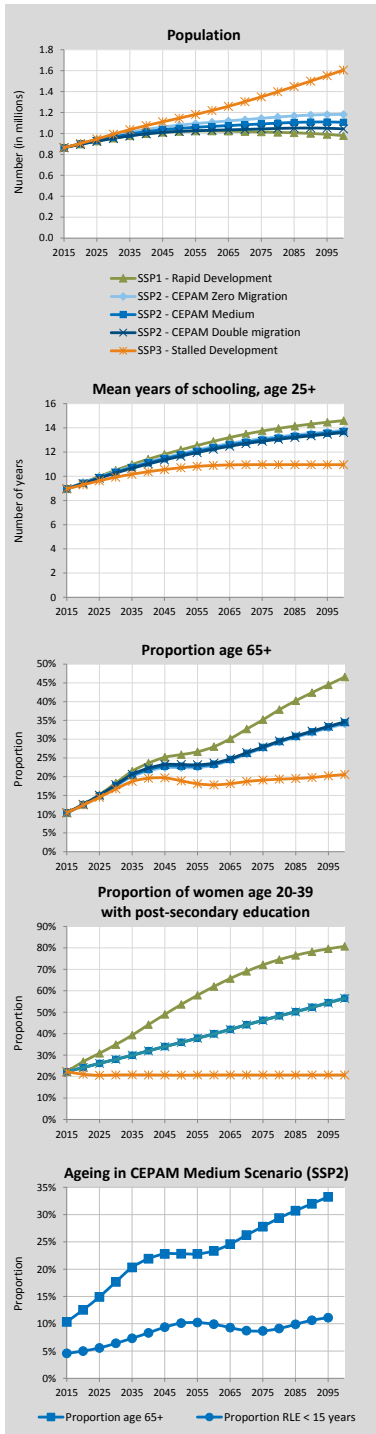
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Réunion (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	0.86	0.90	0.95	1.02	1.02	1.01	0.98
SSP2 - CEPAM Zero Migration	0.86	0.90	0.98	1.08	1.11	1.14	1.18
SSP2 - CEPAM Medium	0.86	0.90	0.96	1.05	1.07	1.09	1.11
SSP2 - CEPAM Double Migration	0.86	0.90	0.95	1.02	1.03	1.04	1.04
SSP3 - Stalled Development	0.86	0.90	0.99	1.15	1.22	1.35	1.61
Proportion age 65+							
SSP1 - Rapid Development	10.3%	12.6%	18.3%	25.9%	28.0%	35.2%	46.6%
SSP2 - CEPAM Zero Migration	10.3%	12.5%	17.5%	22.4%	23.0%	27.6%	34.1%
SSP2 - CEPAM Medium	10.3%	12.5%	17.7%	22.8%	23.3%	27.8%	34.4%
SSP2 - CEPAM Double Migration	10.3%	12.6%	17.9%	22.2%	23.6%	27.9%	34.6%
SSP3 - Stalled Development	10.3%	12.4%	16.7%	18.9%	17.8%	19.1%	20.6%
Proportion below age 20							
SSP1 - Rapid Development	32.1%	30.3%	26.1%	21.2%	19.0%	16.8%	13.6%
SSP2 - CEPAM Zero Migration	32.1%	30.5%	27.5%	24.3%	22.8%	21.3%	19.0%
SSP2 - CEPAM Medium	32.1%	30.5%	27.5%	24.4%	22.9%	21.4%	19.0%
SSP2 - CEPAM Double Migration	32.1%	30.6%	27.5%	24.4%	22.9%	21.5%	19.1%
SSP3 - Stalled Development	32.1%	30.9%	29.6%	29.3%	29.1%	28.9%	28.3%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	22.3%	27.0%	34.9%	53.6%	62.0%	72.1%	80.7%
SSP2 - CEPAM Zero Migration	22.3%	24.2%	28.1%	36.1%	40.0%	46.4%	56.8%
SSP2 - CEPAM Medium	22.3%	24.2%	28.1%	35.9%	39.9%	46.2%	56.5%
SSP2 - CEPAM Double Migration	22.3%	24.2%	28.0%	35.9%	39.8%	46.2%	56.4%
SSP3 - Stalled Development	22.3%	21.1%	20.8%	20.7%	20.8%	20.7%	20.7%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	9.0	9.5	10.5	12.2	12.9	13.7	14.6
SSP2 - CEPAM Zero Migration	9.0	9.4	10.4	11.9	12.5	13.1	13.8
SSP2 - CEPAM Medium	9.0	9.4	10.3	11.8	12.3	13.0	13.7
SSP2 - CEPAM Double Migration	9.0	9.4	10.3	11.7	12.2	12.9	13.6
SSP3 - Stalled Development	9.0	9.3	9.9	10.7	10.9	11.0	11.0

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	2.17	1.97	1.78	1.63	1.61	1.61	1.59
SSP2 - CEPAM Zero Migration	2.26	2.15	2.03	1.90	1.88	1.87	1.85
SSP2 - CEPAM Medium	2.26	2.15	2.03	1.90	1.88	1.87	1.85
SSP2 - CEPAM Double Migration	2.26	2.15	2.03	1.90	1.88	1.87	1.85
SSP3 - Stalled Development	2.42	2.44	2.47	2.41	2.40	2.41	2.43
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	84.2	85.7	88.7	94.5	97.5	101.9	107.8
SSP2 - CEPAM Zero Migration	83.7	84.7	86.7	90.5	92.5	95.4	99.2
SSP2 - CEPAM Medium	83.7	84.7	86.6	90.5	92.4	95.3	99.2
SSP2 - CEPAM Double Migration	83.7	84.7	86.6	90.5	92.4	95.3	99.2
SSP3 - Stalled Development	83.2	83.7	84.6	86.4	87.2	88.4	90.1
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-3.6	-3.6	-3.7	-3.6	-3.6	-3.7	-4.3
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-3.6	-3.6	-3.5	-3.1	-2.9	-3.1	-3.4
SSP2 - CEPAM Double Migration	-7.2	-7.1	-6.8	-5.7	-5.3	-5.3	-5.6
SSP3 - Stalled Development	-2.4	-1.2	0.0	0.0	0.0	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	34.5	35.0	36.2	40.8	42.7	45.5	49.8
Proportion age 65+	10.3%	12.5%	17.7%	22.8%	23.3%	27.8%	33.2%
Proportion RLE < 15 years	4.6%	4.9%	5.9%	10.1%	10.6%	9.2%	10.9%

Russian Federation

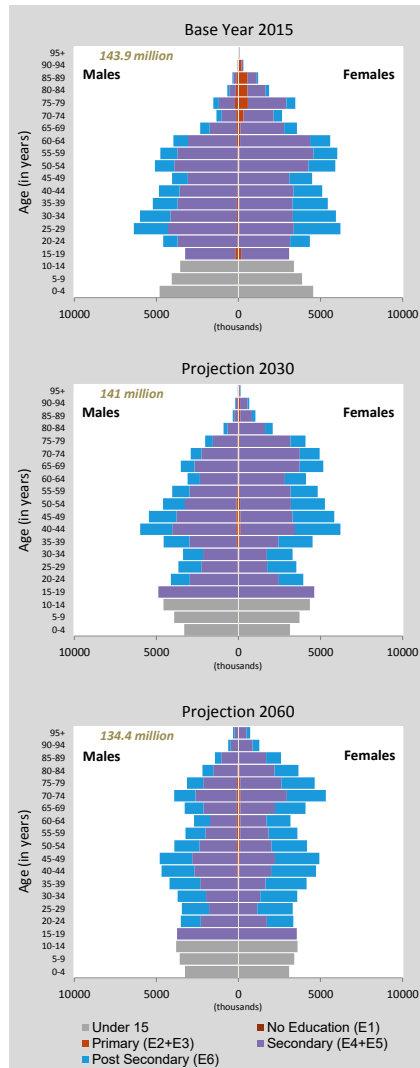
Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	143.91	143.88	141.00	137.54	135.89	134.41
Proportion age 65+	13.5%	15.5%	19.9%	21.6%	24.7%	27.7%
Proportion below age 20	21.2%	23.0%	23.0%	19.6%	20.1%	20.8%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	1.63	1.58	1.59	1.62	1.66	1.68
Life expectancy at birth (in years)						
Male	65.6	66.9	69.4	71.9	74.5	75.8
Female	76.8	77.8	79.8	81.8	83.7	85.7
Five-year net-migration flow (in thousands)	914.4	1010.0	1195.1	1358.5	1481.1	1526.8

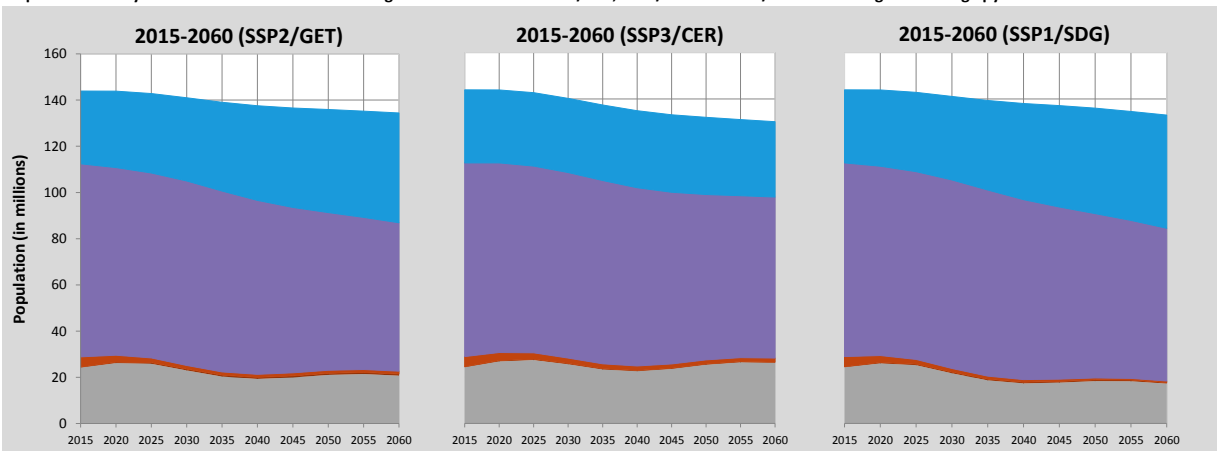
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	0.2%	0.4%	0.6%	0.7%	0.7%	0.7%
E2 - incomplete primary	0.1%	0.2%	0.3%	0.3%	0.3%	0.4%
E3 - primary	3.6%	2.5%	1.3%	1.0%	0.9%	0.9%
E4 - lower secondary	8.4%	7.4%	5.8%	4.6%	3.8%	3.3%
E5 - upper secondary	59.4%	59.6%	58.8%	56.3%	53.0%	49.9%
E6 - post-secondary	28.2%	30.0%	33.2%	37.2%	41.3%	44.9%
Mean years of schooling (in years)	10.2	10.6	11.3	11.9	12.4	12.9
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	1.21	1.07	0.96	0.88	0.81	0.75
E2 - incomplete primary	0.85	1.02	1.13	1.08	1.01	0.96
E3 - primary	0.57	0.67	1.00	1.23	1.20	1.12
E4 - lower secondary	1.10	1.18	1.36	1.45	1.44	1.38
E5 - upper secondary	1.08	1.08	1.08	1.11	1.17	1.23
E6 - post-secondary	0.88	0.85	0.82	0.80	0.79	0.78
Mean years of schooling (male minus female)	0.0	0.0	-0.1	-0.1	-0.2	-0.2
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	0.2%	0.5%	0.5%	0.4%	0.3%	0.2%
E2 - incomplete primary	0.1%	0.2%	0.2%	0.2%	0.1%	0.1%
E3 - primary	0.8%	0.8%	0.5%	0.4%	0.4%	0.4%
E4 - lower secondary	5.9%	4.9%	2.8%	1.7%	1.2%	1.0%
E5 - upper secondary	58.6%	56.7%	56.4%	53.7%	49.9%	47.0%
E6 - post-secondary	34.3%	36.9%	39.5%	43.7%	48.2%	51.3%
Mean years of schooling (in years)	12.1	12.8	13.0	13.3	13.7	13.8

Education scenarios
 SSP2/GET: Global Education Trend Scenario (Medium assumption)
 SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)
 SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

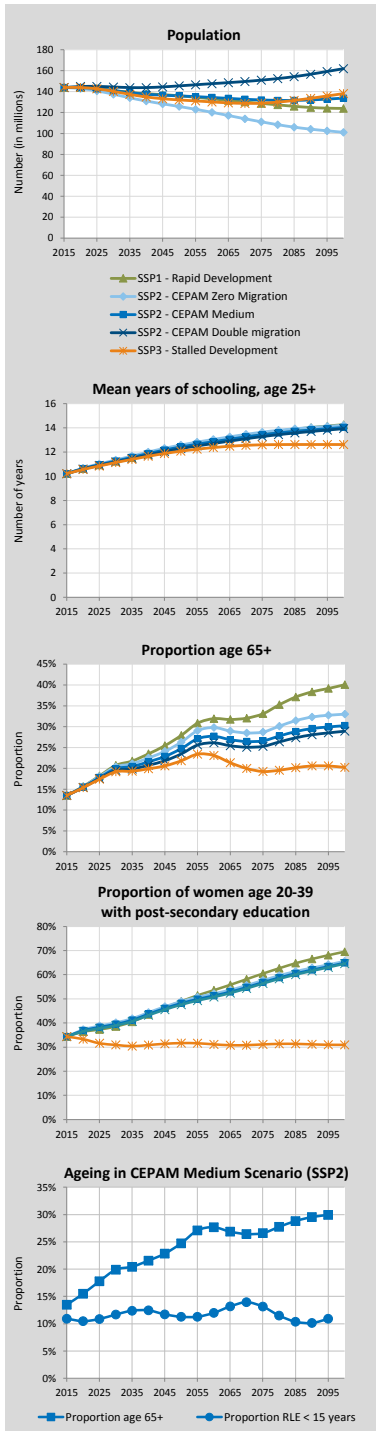
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Russian Federation (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)

	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	143.91	143.87	141.07	136.00	133.06	128.73	123.90
SSP2 - CEPAM Zero Migration	143.91	142.89	137.51	125.76	120.21	111.13	101.11
SSP2 - CEPAM Medium	143.91	143.88	141.00	135.89	134.41	132.04	133.74
SSP2 - CEPAM Double Migration	143.91	144.86	144.42	145.47	147.58	150.94	161.91
SSP3 - Stalled Development	143.91	143.89	140.25	132.06	130.15	128.98	138.10
Proportion age 65+							
SSP1 - Rapid Development	13.5%	15.6%	20.7%	27.9%	31.9%	33.1%	40.1%
SSP2 - CEPAM Zero Migration	13.5%	15.6%	20.4%	26.3%	29.8%	28.7%	33.0%
SSP2 - CEPAM Medium	13.5%	15.5%	19.9%	24.7%	27.7%	26.6%	30.2%
SSP2 - CEPAM Double Migration	13.5%	15.4%	19.5%	23.5%	26.1%	25.3%	28.9%
SSP3 - Stalled Development	13.5%	15.4%	19.2%	21.8%	23.1%	19.2%	20.2%
Proportion below age 20							
SSP1 - Rapid Development	21.2%	22.8%	22.1%	17.6%	17.7%	15.6%	14.5%
SSP2 - CEPAM Zero Migration	21.2%	23.0%	22.9%	19.7%	20.4%	18.6%	18.2%
SSP2 - CEPAM Medium	21.2%	23.0%	23.0%	20.1%	20.8%	19.4%	19.0%
SSP2 - CEPAM Double Migration	21.2%	23.0%	23.1%	20.5%	21.1%	19.8%	19.4%
SSP3 - Stalled Development	21.2%	23.4%	24.9%	24.6%	26.7%	26.4%	27.2%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	34.3%	36.3%	38.5%	49.0%	53.6%	60.5%	69.5%
SSP2 - CEPAM Zero Migration	34.3%	37.2%	40.2%	48.9%	52.2%	57.7%	65.6%
SSP2 - CEPAM Medium	34.3%	36.9%	39.5%	48.2%	51.3%	56.8%	64.9%
SSP2 - CEPAM Double Migration	34.3%	36.5%	39.0%	47.6%	50.8%	56.3%	64.6%
SSP3 - Stalled Development	34.3%	33.3%	30.9%	31.7%	31.1%	31.1%	30.9%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	10.2	10.6	11.2	12.4	12.9	13.5	14.3
SSP2 - CEPAM Zero Migration	10.2	10.7	11.3	12.6	13.0	13.6	14.2
SSP2 - CEPAM Medium	10.2	10.6	11.3	12.4	12.9	13.4	14.0
SSP2 - CEPAM Double Migration	10.2	10.6	11.2	12.3	12.7	13.3	13.9
SSP3 - Stalled Development	10.2	10.6	11.1	12.1	12.4	12.6	12.6

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.58	1.48	1.42	1.45	1.48	1.49	1.50
SSP2 - CEPAM Zero Migration	1.63	1.58	1.58	1.66	1.69	1.71	1.71
SSP2 - CEPAM Medium	1.63	1.58	1.59	1.66	1.69	1.71	1.71
SSP2 - CEPAM Double Migration	1.63	1.59	1.59	1.67	1.70	1.71	1.72
SSP3 - Stalled Development	1.75	1.83	1.97	2.16	2.21	2.26	2.28
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	77.2	78.8	81.8	87.8	90.8	95.3	101.3
SSP2 - CEPAM Zero Migration	76.8	77.8	79.8	83.8	85.8	88.8	92.8
SSP2 - CEPAM Medium	76.8	77.8	79.8	83.7	85.7	88.7	92.7
SSP2 - CEPAM Double Migration	76.8	77.8	79.7	83.7	85.7	88.7	92.7
SSP3 - Stalled Development	76.3	76.7	77.7	79.7	80.7	82.1	84.0
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	914.8	1001.0	1139.9	1324.6	1352.7	1336.2	1196.6
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	914.4	1010.0	1195.1	1481.1	1564.5	1630.9	1591.8
SSP2 - CEPAM Double Migration	1828.9	2000.6	2325.4	2795.4	2908.7	2966.2	2801.7
SSP3 - Stalled Development	609.7	341.7	1.1	1.5	1.8	2.1	2.4

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	38.7	39.6	42.9	43.8	45.3	46.8	47.4
Proportion age 65+	13.5%	15.5%	19.9%	24.7%	27.7%	26.6%	29.9%
Proportion RLE < 15 years	11.7%	10.6%	12.4%	12.9%	13.3%	14.8%	11.6%

Rwanda

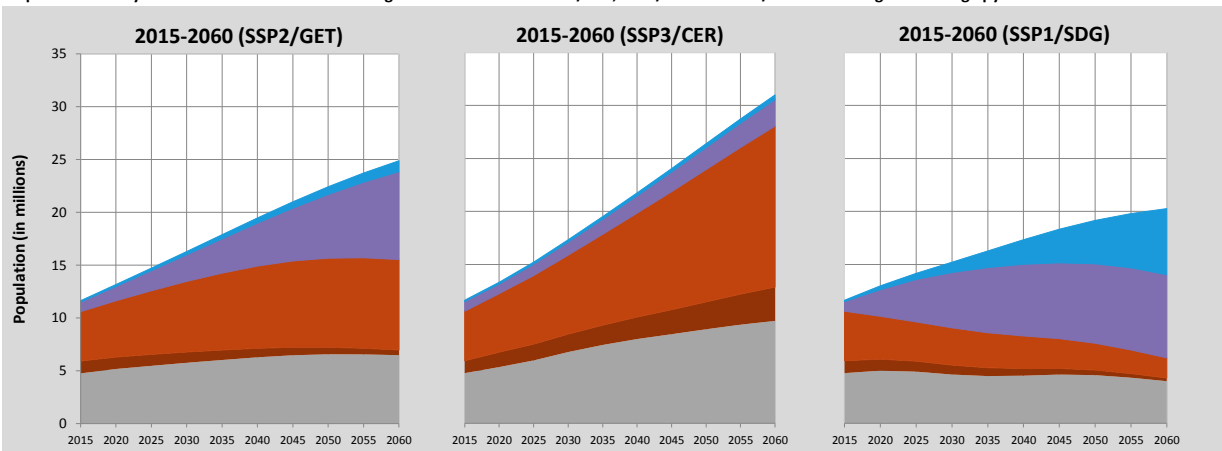
Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	11.63	13.16	16.29	19.47	22.42	24.88
Proportion age 65+	2.8%	3.3%	4.5%	5.0%	7.0%	8.9%
Proportion below age 20	51.2%	49.8%	45.6%	41.9%	38.4%	34.7%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	3.94	3.71	3.25	2.84	2.49	2.34
Life expectancy at birth (in years)						
Male	65.4	66.0	67.1	68.3	69.4	70.0
Female	69.7	70.3	71.4	72.5	73.6	74.8
Five-year net-migration flow (in thousands)	-45.3	-61.1	-95.0	-131.7	-166.9	-182.5

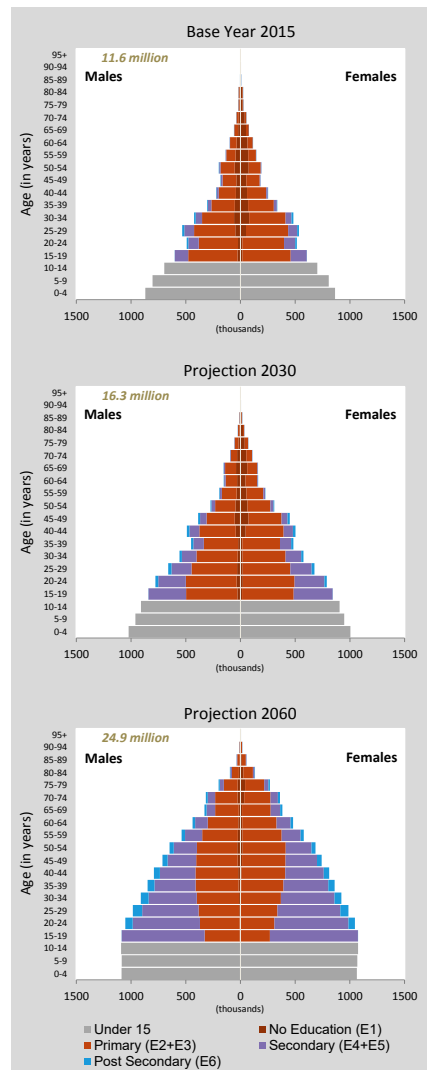
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	23.3%	19.0%	12.6%	8.3%	5.4%	3.4%
E2 - incomplete primary	50.9%	49.6%	45.8%	40.2%	33.9%	27.4%
E3 - primary	14.3%	16.5%	20.2%	22.7%	24.1%	24.2%
E4 - lower secondary	4.1%	5.1%	7.2%	9.2%	11.2%	12.9%
E5 - upper secondary	5.3%	6.9%	10.6%	15.1%	20.1%	25.7%
E6 - post-secondary	2.2%	2.9%	3.6%	4.4%	5.3%	6.4%
Mean years of schooling (in years)	4.0	4.6	5.5	6.4	7.2	8.0
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.70	0.72	0.78	0.87	0.99	1.14
E2 - incomplete primary	0.90	0.83	0.76	0.72	0.70	0.70
E3 - primary	2.15	2.15	1.99	1.76	1.60	1.49
E4 - lower secondary	1.19	1.08	0.98	0.93	0.94	0.93
E5 - upper secondary	1.48	1.35	1.18	1.09	1.03	0.99
E6 - post-secondary	1.28	1.20	1.19	1.17	1.15	1.15
Mean years of schooling (male minus female)	0.5	0.5	0.4	0.3	0.3	0.2
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	11.0%	7.7%	3.8%	2.9%	1.7%	0.9%
E2 - incomplete primary	50.3%	46.4%	38.6%	30.1%	21.8%	14.5%
E3 - primary	20.8%	23.1%	26.1%	26.4%	25.8%	23.7%
E4 - lower secondary	7.2%	8.3%	10.4%	12.6%	14.6%	15.8%
E5 - upper secondary	7.8%	10.8%	17.3%	23.4%	30.4%	38.1%
E6 - post-secondary	3.1%	3.6%	3.7%	4.6%	5.7%	7.1%
Mean years of schooling (in years)	4.8	5.5	6.6	7.5	8.5	9.5

Education scenarios
 SSP2/GET: Global Education Trend Scenario (Medium assumption)
 SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)
 SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

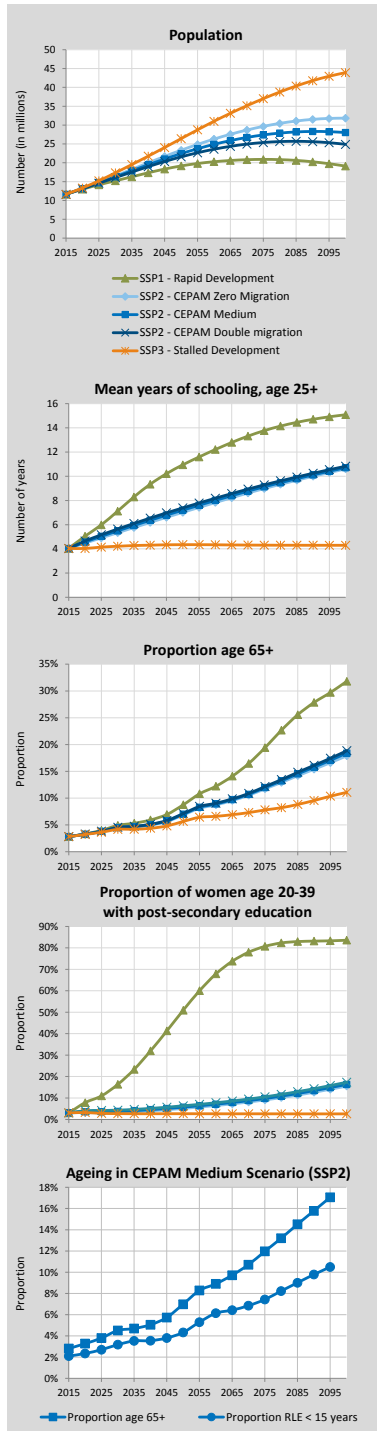
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



Rwanda (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	11.63	12.98	15.21	19.16	20.27	20.90	19.12
SSP2 - CEPAM Zero Migration	11.63	13.21	16.52	23.33	26.28	29.65	31.84
SSP2 - CEPAM Medium	11.63	13.16	16.29	22.42	24.88	27.38	28.03
SSP2 - CEPAM Double Migration	11.63	13.11	16.05	21.57	23.59	25.38	24.90
SSP3 - Stalled Development	11.63	13.32	17.33	26.40	31.00	37.01	43.92
Proportion age 65+							
SSP1 - Rapid Development	2.8%	3.3%	4.9%	8.8%	12.2%	19.4%	31.8%
SSP2 - CEPAM Zero Migration	2.8%	3.3%	4.5%	6.8%	8.7%	11.7%	17.9%
SSP2 - CEPAM Medium	2.8%	3.3%	4.5%	7.0%	8.9%	12.0%	18.4%
SSP2 - CEPAM Double Migration	2.8%	3.3%	4.5%	7.1%	9.1%	12.2%	18.8%
SSP3 - Stalled Development	2.8%	3.2%	4.2%	5.7%	6.6%	7.8%	11.1%
Proportion below age 20							
SSP1 - Rapid Development	51.2%	49.0%	41.4%	31.5%	27.2%	21.5%	15.1%
SSP2 - CEPAM Zero Migration	51.2%	49.7%	45.5%	38.1%	34.4%	29.6%	23.4%
SSP2 - CEPAM Medium	51.2%	49.8%	45.6%	38.4%	34.7%	29.8%	23.5%
SSP2 - CEPAM Double Migration	51.2%	49.9%	45.8%	38.7%	35.0%	30.0%	23.5%
SSP3 - Stalled Development	51.2%	50.3%	48.6%	43.5%	40.6%	36.1%	30.9%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	3.1%	7.8%	16.4%	50.9%	67.9%	80.7%	83.6%
SSP2 - CEPAM Zero Migration	3.1%	3.2%	3.2%	5.1%	6.5%	9.1%	15.5%
SSP2 - CEPAM Medium	3.1%	3.6%	3.7%	5.7%	7.1%	9.8%	16.3%
SSP2 - CEPAM Double Migration	3.1%	4.1%	4.3%	6.4%	7.8%	10.5%	17.3%
SSP3 - Stalled Development	3.1%	3.2%	2.7%	2.7%	2.6%	2.6%	2.6%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	4.0	5.1	7.1	10.9	12.2	13.8	15.1
SSP2 - CEPAM Zero Migration	4.0	4.5	5.3	7.0	7.8	9.0	10.6
SSP2 - CEPAM Medium	4.0	4.6	5.5	7.2	8.0	9.1	10.7
SSP2 - CEPAM Double Migration	4.0	4.7	5.6	7.4	8.2	9.3	10.8
SSP3 - Stalled Development	4.0	4.0	4.2	4.3	4.3	4.3	4.3

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	3.55	2.97	2.33	1.85	1.67	1.45	1.24
SSP2 - CEPAM Zero Migration	3.95	3.72	3.24	2.49	2.21	1.92	1.67
SSP2 - CEPAM Medium	3.94	3.71	3.25	2.49	2.21	1.92	1.67
SSP2 - CEPAM Double Migration	3.94	3.70	3.25	2.50	2.22	1.92	1.68
SSP3 - Stalled Development	4.27	4.34	4.09	3.15	2.78	2.46	2.26
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	70.3	71.7	74.3	78.7	80.9	84.3	88.7
SSP2 - CEPAM Zero Migration	69.7	70.3	71.4	73.6	74.7	76.4	78.6
SSP2 - CEPAM Medium	69.7	70.3	71.4	73.6	74.8	76.5	78.7
SSP2 - CEPAM Double Migration	69.7	70.3	71.5	73.7	74.8	76.5	78.7
SSP3 - Stalled Development	69.2	69.1	68.9	68.3	67.9	67.3	66.6
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-45.3	-59.1	-83.0	-129.9	-144.4	-154.7	-145.3
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-45.3	-61.1	-95.0	-166.9	-196.6	-227.7	-238.3
SSP2 - CEPAM Double Migration	-90.6	-121.3	-185.2	-312.9	-360.3	-402.2	-396.4
SSP3 - Stalled Development	-30.2	-20.8	-0.1	-0.2	-0.2	-0.3	-0.4

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	19.4	20.1	22.3	26.8	29.3	33.5	39.0
Proportion age 65+	2.8%	3.3%	4.5%	7.0%	8.9%	12.0%	17.1%
Proportion RLE < 15 years	2.2%	2.4%	3.1%	4.3%	6.3%	7.5%	10.5%

Saint Lucia

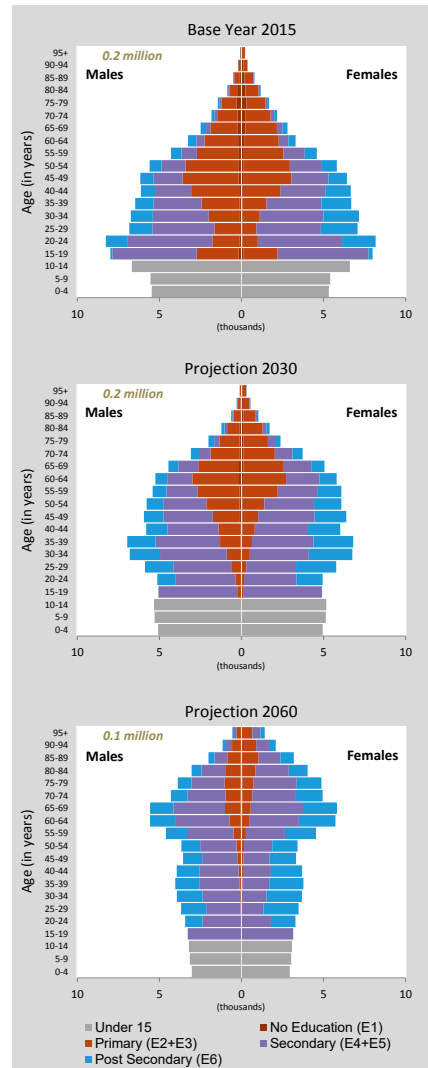
Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	0.18	0.18	0.18	0.17	0.16	0.14
Proportion age 65+	9.4%	10.5%	15.2%	21.2%	26.9%	32.8%
Proportion below age 20	28.8%	25.6%	23.4%	21.3%	18.4%	17.4%
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	1.55	1.57	1.59	1.61	1.61	1.61
Life expectancy at birth (in years)						
Male	73.1	74.2	76.3	78.4	80.6	81.6
Female	78.5	79.5	81.6	83.7	85.7	87.8
Five-year net-migration flow (in thousands)	-4.5	-4.4	-4.2	-3.8	-3.3	-3.0

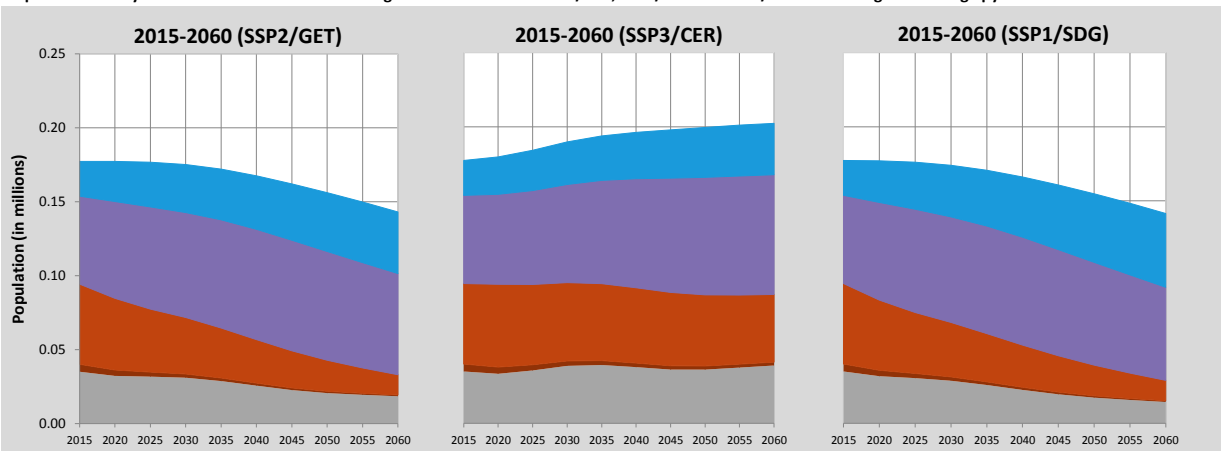
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	4.2%	3.2%	2.0%	1.4%	1.1%	0.8%
E2 - incomplete primary	2.7%	2.2%	1.5%	1.1%	0.8%	0.6%
E3 - primary	40.1%	36.0%	28.6%	22.7%	16.8%	11.6%
E4 - lower secondary	8.8%	9.0%	9.1%	8.9%	8.3%	7.4%
E5 - upper secondary	26.3%	29.5%	34.8%	38.7%	42.1%	44.5%
E6 - post-secondary	18.0%	20.1%	24.0%	27.2%	31.0%	35.1%
Mean years of schooling (in years)	9.9	10.3	10.9	11.4	11.8	12.2
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	1.18	1.17	1.17	1.18	1.13	1.03
E2 - incomplete primary	1.21	1.23	1.27	1.31	1.29	1.21
E3 - primary	1.19	1.21	1.24	1.26	1.28	1.31
E4 - lower secondary	0.96	1.00	1.05	1.10	1.17	1.25
E5 - upper secondary	0.90	0.93	0.99	1.04	1.10	1.15
E6 - post-secondary	0.75	0.75	0.74	0.73	0.73	0.73
Mean years of schooling (male minus female)	-0.3	-0.3	-0.2	-0.2	-0.2	-0.2
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	1.0%	0.8%	0.4%	0.3%	0.2%	0.1%
E2 - incomplete primary	0.8%	0.6%	0.3%	0.2%	0.1%	0.1%
E3 - primary	19.8%	15.2%	9.0%	4.5%	2.2%	1.1%
E4 - lower secondary	9.2%	8.9%	8.1%	6.2%	4.4%	3.0%
E5 - upper secondary	45.7%	48.2%	50.6%	52.7%	52.1%	49.4%
E6 - post-secondary	23.5%	26.3%	31.7%	36.1%	41.1%	46.2%
Mean years of schooling (in years)	11.9	12.1	12.5	12.9	13.1	13.3

Education scenarios
 SSP2/GET: Global Education Trend Scenario (Medium assumption)
 SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)
 SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

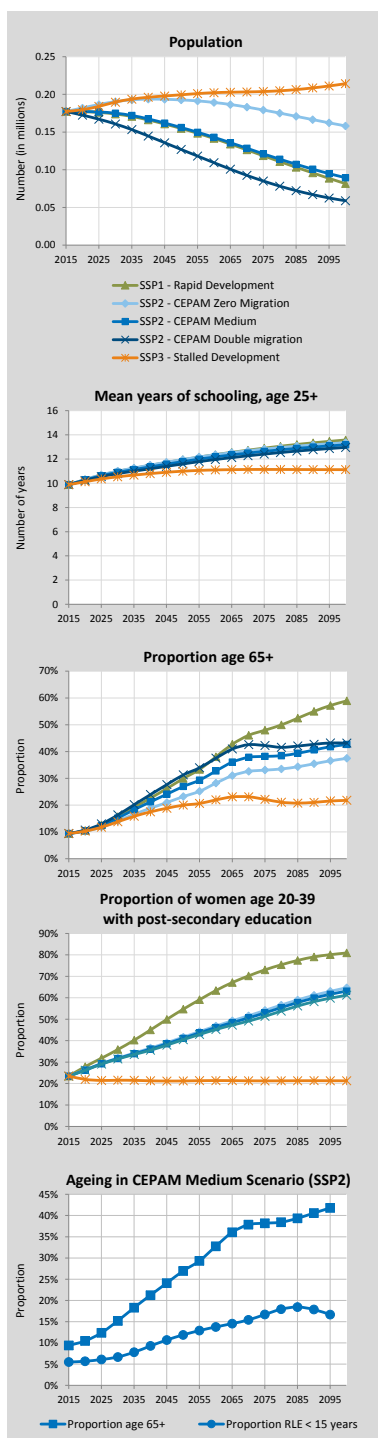
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Saint Lucia (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	0.18	0.18	0.17	0.15	0.14	0.12	0.08
SSP2 - CEPAM Zero Migration	0.18	0.18	0.19	0.19	0.19	0.18	0.16
SSP2 - CEPAM Medium	0.18	0.18	0.18	0.16	0.14	0.12	0.09
SSP2 - CEPAM Double Migration	0.18	0.17	0.16	0.13	0.11	0.09	0.06
SSP3 - Stalled Development	0.18	0.18	0.19	0.20	0.20	0.20	0.21
Proportion age 65+							
SSP1 - Rapid Development	9.4%	10.5%	15.7%	29.9%	38.0%	48.0%	58.9%
SSP2 - CEPAM Zero Migration	9.4%	10.2%	14.1%	23.2%	28.2%	33.1%	37.4%
SSP2 - CEPAM Medium	9.4%	10.5%	15.2%	26.9%	32.8%	38.2%	42.6%
SSP2 - CEPAM Double Migration	9.4%	10.7%	16.3%	31.3%	37.5%	42.2%	43.1%
SSP3 - Stalled Development	9.4%	10.3%	13.8%	20.0%	22.0%	22.1%	21.8%
Proportion below age 20							
SSP1 - Rapid Development	28.8%	25.4%	22.3%	15.8%	14.0%	11.7%	9.4%
SSP2 - CEPAM Zero Migration	28.8%	25.4%	23.6%	19.4%	18.5%	17.4%	16.4%
SSP2 - CEPAM Medium	28.8%	25.6%	23.4%	18.4%	17.4%	16.1%	15.1%
SSP2 - CEPAM Double Migration	28.8%	25.7%	23.1%	17.3%	16.3%	15.0%	15.1%
SSP3 - Stalled Development	28.8%	25.9%	25.9%	24.5%	25.1%	25.5%	26.3%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	23.5%	27.9%	35.9%	54.7%	63.4%	73.0%	80.9%
SSP2 - CEPAM Zero Migration	23.5%	26.4%	31.9%	41.6%	46.8%	54.1%	64.7%
SSP2 - CEPAM Medium	23.5%	26.3%	31.7%	41.1%	46.2%	53.0%	63.1%
SSP2 - CEPAM Double Migration	23.5%	26.2%	31.5%	40.4%	45.2%	51.4%	61.2%
SSP3 - Stalled Development	23.5%	22.0%	21.6%	21.2%	21.4%	21.3%	21.3%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	9.9	10.3	11.0	11.9	12.4	12.9	13.6
SSP2 - CEPAM Zero Migration	9.9	10.3	11.0	12.0	12.4	12.8	13.4
SSP2 - CEPAM Medium	9.9	10.3	10.9	11.8	12.2	12.6	13.2
SSP2 - CEPAM Double Migration	9.9	10.2	10.8	11.6	12.0	12.4	13.0
SSP3 - Stalled Development	9.9	10.1	10.5	11.0	11.1	11.1	11.1

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.49	1.46	1.40	1.40	1.39	1.40	1.42
SSP2 - CEPAM Zero Migration	1.55	1.57	1.59	1.61	1.61	1.61	1.63
SSP2 - CEPAM Medium	1.55	1.57	1.59	1.61	1.61	1.61	1.63
SSP2 - CEPAM Double Migration	1.55	1.58	1.59	1.61	1.61	1.61	1.64
SSP3 - Stalled Development	1.68	1.87	2.04	2.13	2.14	2.18	2.24
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	79.0	80.6	83.6	89.8	92.8	97.3	103.0
SSP2 - CEPAM Zero Migration	78.5	79.6	81.6	85.8	87.9	91.0	95.1
SSP2 - CEPAM Medium	78.5	79.5	81.6	85.7	87.8	90.9	95.0
SSP2 - CEPAM Double Migration	78.5	79.5	81.6	85.7	87.8	90.8	94.8
SSP3 - Stalled Development	78.0	78.5	79.5	81.5	82.4	83.9	85.9
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-4.5	-4.4	-4.2	-3.4	-2.9	-2.2	-1.3
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-4.5	-4.4	-4.2	-3.3	-2.8	-2.0	-1.2
SSP2 - CEPAM Double Migration	-9.0	-8.6	-7.5	-4.7	-3.4	-1.8	-0.5
SSP3 - Stalled Development	-3.0	-1.5	0.0	0.0	0.0	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	32.6	34.8	39.1	49.3	52.0	54.5	57.9
Proportion age 65+	9.4%	10.5%	15.2%	26.9%	32.8%	38.2%	41.8%
Proportion RLE < 15 years	5.1%	5.3%	6.0%	11.6%	13.8%	16.5%	17.5%

Saint Vincent and the Grenadines

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	0.11	0.11	0.10	0.09	0.08	0.06
Proportion age 65+	7.3%	8.8%	15.0%	20.8%	27.5%	32.8%
Proportion below age 20	33.5%	31.5%	27.7%	24.6%	21.5%	19.3%
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	1.92	1.87	1.82	1.71	1.72	1.65
Life expectancy at birth (in years)						
Male	71.2	72.3	74.7	77.0	79.3	80.5
Female	75.6	76.7	79.0	81.2	83.5	85.6
Five-year net-migration flow (in thousands)	-6.9	-6.7	-6.1	-5.3	-4.5	-4.1

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	0.6%	0.6%	0.5%	0.5%	0.4%	0.4%
E2 - incomplete primary	4.1%	3.4%	2.3%	1.7%	1.3%	0.9%
E3 - primary	47.8%	44.5%	37.6%	31.1%	25.1%	19.6%
E4 - lower secondary	13.2%	13.8%	14.9%	15.4%	15.2%	14.5%
E5 - upper secondary	20.3%	22.8%	27.8%	32.4%	36.6%	40.3%
E6 - post-secondary	14.0%	14.9%	16.8%	18.9%	21.4%	24.2%
Mean years of schooling (in years)	10.5	10.7	11.0	11.4	11.7	12.0
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	1.09	1.11	1.13	1.11	1.02	0.95
E2 - incomplete primary	1.33	1.45	1.64	1.74	1.79	1.77
E3 - primary	1.27	1.30	1.36	1.42	1.48	1.54
E4 - lower secondary	0.82	0.86	0.94	1.02	1.10	1.17
E5 - upper secondary	0.73	0.74	0.78	0.83	0.88	0.94
E6 - post-secondary	0.78	0.77	0.75	0.73	0.71	0.70
Mean years of schooling (male minus female)	-0.4	-0.4	-0.5	-0.5	-0.5	-0.4
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	0.4%	0.3%	0.2%	0.1%	0.1%	0.1%
E2 - incomplete primary	1.6%	1.1%	0.3%	0.1%	0.1%	0.0%
E3 - primary	30.8%	25.9%	16.6%	10.1%	5.5%	2.9%
E4 - lower secondary	18.3%	17.8%	16.6%	14.4%	11.0%	7.8%
E5 - upper secondary	33.0%	37.5%	45.7%	50.8%	54.2%	55.1%
E6 - post-secondary	15.9%	17.4%	20.5%	24.5%	29.1%	34.0%
Mean years of schooling (in years)	11.7	11.8	12.3	12.8	13.3	13.6

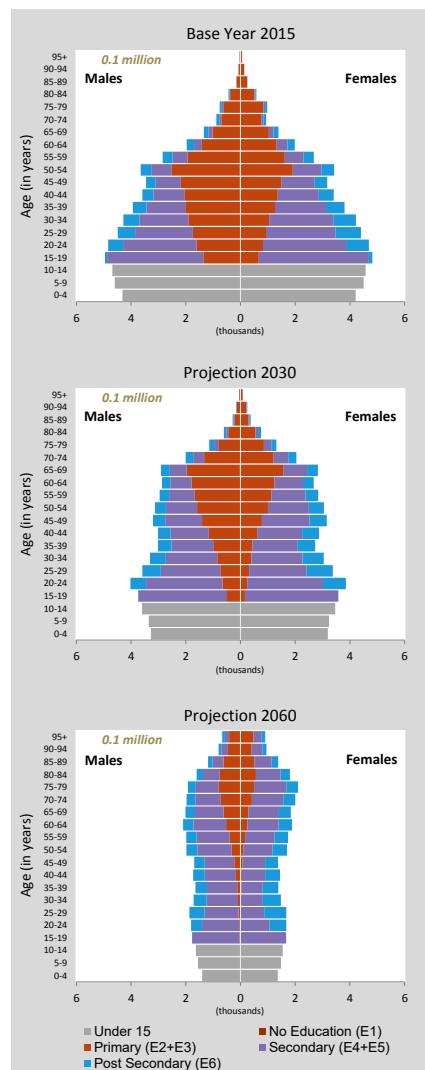
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

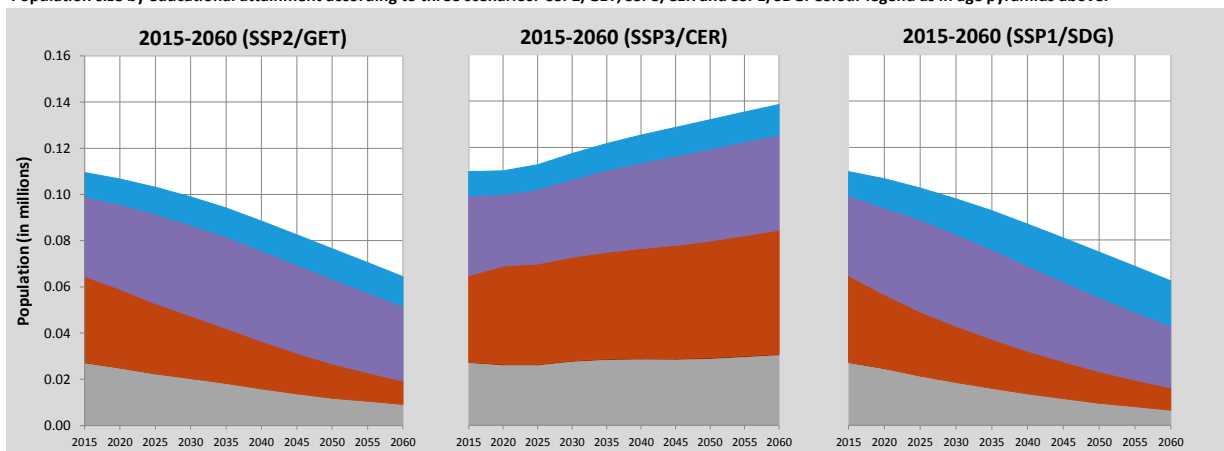
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

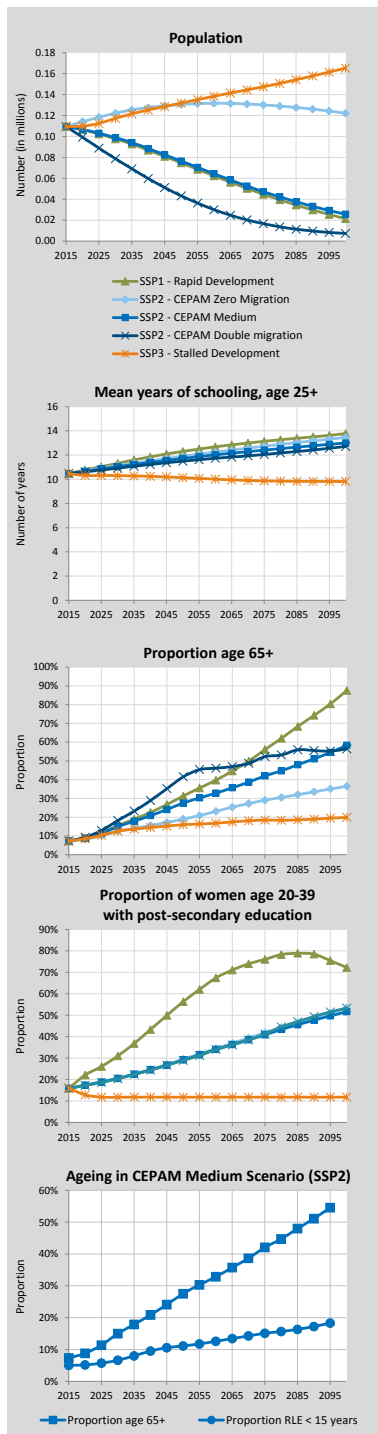
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Saint Vincent and the Grenadines (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)		2015	2020	2030	2050	2060	2075	2100
Population (in millions)								
SSP1 - Rapid Development		0.11	0.11	0.10	0.07	0.06	0.04	0.02
SSP2 - CEPAM Zero Migration		0.11	0.11	0.12	0.13	0.13	0.13	0.12
SSP2 - CEPAM Medium		0.11	0.11	0.10	0.08	0.06	0.05	0.03
SSP2 - CEPAM Double Migration		0.11	0.10	0.08	0.04	0.03	0.02	0.01
SSP3 - Stalled Development		0.11	0.11	0.12	0.13	0.14	0.15	0.17
Proportion age 65+								
SSP1 - Rapid Development		7.3%	8.9%	15.6%	31.3%	39.8%	56.1%	87.5%
SSP2 - CEPAM Zero Migration		7.3%	8.3%	12.5%	19.0%	23.1%	29.1%	36.5%
SSP2 - CEPAM Medium		7.3%	8.8%	15.0%	27.5%	32.8%	42.1%	58.3%
SSP2 - CEPAM Double Migration		7.3%	9.3%	18.2%	41.5%	46.1%	52.3%	56.4%
SSP3 - Stalled Development		7.3%	8.5%	12.5%	16.0%	16.8%	18.5%	19.9%
Proportion below age 20								
SSP1 - Rapid Development		33.5%	31.3%	26.2%	18.1%	14.7%	9.5%	2.3%
SSP2 - CEPAM Zero Migration		33.5%	30.9%	27.6%	22.8%	21.2%	19.0%	16.6%
SSP2 - CEPAM Medium		33.5%	31.5%	27.7%	21.5%	19.3%	15.5%	11.1%
SSP2 - CEPAM Double Migration		33.5%	32.2%	27.8%	20.4%	18.0%	13.7%	13.8%
SSP3 - Stalled Development		33.5%	31.8%	30.2%	28.9%	28.6%	28.2%	27.8%
Proportion of women age 20-39 with post-secondary education								
SSP1 - Rapid Development		15.9%	22.1%	31.0%	56.3%	67.4%	76.1%	72.3%
SSP2 - CEPAM Zero Migration		15.9%	17.4%	20.7%	29.5%	34.5%	41.8%	53.3%
SSP2 - CEPAM Medium		15.9%	17.4%	20.5%	29.1%	34.0%	40.9%	51.7%
SSP2 - CEPAM Double Migration		15.9%	17.3%	20.3%	28.9%	34.1%	41.2%	53.3%
SSP3 - Stalled Development		15.9%	12.9%	11.8%	11.8%	11.8%	11.8%	11.8%
Mean years of schooling, age 25+								
SSP1 - Rapid Development		10.5	10.8	11.3	12.3	12.7	13.1	13.8
SSP2 - CEPAM Zero Migration		10.5	10.7	11.1	11.9	12.2	12.7	13.4
SSP2 - CEPAM Medium		10.5	10.7	11.0	11.7	12.0	12.4	13.0
SSP2 - CEPAM Double Migration		10.5	10.6	10.9	11.5	11.7	12.0	12.7
SSP3 - Stalled Development		10.5	10.3	10.3	10.1	10.0	9.9	9.8

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.83	1.70	1.58	1.47	1.40	1.38	2.43
SSP2 - CEPAM Zero Migration	1.92	1.87	1.82	1.72	1.63	1.60	1.60
SSP2 - CEPAM Medium	1.92	1.87	1.82	1.72	1.63	1.60	1.60
SSP2 - CEPAM Double Migration	1.92	1.87	1.82	1.72	1.63	1.60	1.60
SSP3 - Stalled Development	2.11	2.22	2.30	2.28	2.26	2.26	2.31
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	76.1	77.8	81.0	87.6	90.7	95.4	93.0
SSP2 - CEPAM Zero Migration	75.6	76.7	79.0	83.5	85.7	89.2	93.7
SSP2 - CEPAM Medium	75.6	76.7	79.0	83.5	85.6	89.0	93.0
SSP2 - CEPAM Double Migration	75.6	76.7	79.0	83.4	85.4	87.8	89.7
SSP3 - Stalled Development	75.0	75.5	76.6	78.8	79.9	81.6	83.9
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-6.9	-6.7	-6.0	-4.5	-3.6	-2.5	-1.2
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-6.9	-6.7	-6.1	-4.5	-3.7	-2.6	-1.4
SSP2 - CEPAM Double Migration	-13.8	-12.4	-9.5	-4.6	-2.9	-1.2	-0.3
SSP3 - Stalled Development	-4.6	-2.3	0.0	0.0	0.0	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	29.8	31.7	35.7	45.3	50.4	58.0	68.6
Proportion age 65+	7.3%	8.8%	15.0%	27.5%	32.8%	42.1%	54.5%
Proportion RLE < 15 years	5.1%	5.0%	6.2%	11.0%	12.9%	16.3%	19.4%

Samoa

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	0.19	0.20	0.20	0.20	0.19	0.18
Proportion age 65+	5.3%	6.1%	8.9%	11.8%	13.2%	14.4%
Proportion below age 20	47.9%	46.1%	39.0%	34.8%	32.0%	26.2%
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	3.61	3.08	2.52	2.14	1.93	1.86
Life expectancy at birth (in years)						
Male	72.3	73.3	75.3	77.3	79.3	80.3
Female	78.5	79.5	81.3	83.2	85.0	86.9
Five-year net-migration flow (in thousands)	-12.5	-12.8	-12.8	-12.7	-12.1	-11.6

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	0.5%	0.5%	0.4%	0.3%	0.2%	0.2%
E2 - incomplete primary	1.2%	1.0%	0.7%	0.4%	0.3%	0.2%
E3 - primary	33.5%	28.8%	19.1%	12.2%	7.9%	4.8%
E4 - lower secondary	38.5%	40.6%	43.5%	42.9%	41.0%	37.8%
E5 - upper secondary	10.4%	12.2%	16.8%	21.7%	25.5%	29.1%
E6 - post-secondary	15.8%	16.9%	19.5%	22.4%	25.0%	27.9%
Mean years of schooling (in years)	10.4	10.5	10.9	11.4	11.7	12.1
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	1.19	1.11	0.99	0.96	0.89	0.84
E2 - incomplete primary	1.27	1.28	1.27	1.30	1.27	1.26
E3 - primary	1.11	1.13	1.18	1.22	1.25	1.33
E4 - lower secondary	0.93	0.96	1.01	1.07	1.14	1.20
E5 - upper secondary	0.78	0.80	0.83	0.86	0.87	0.90
E6 - post-secondary	1.08	1.05	0.97	0.91	0.87	0.83
Mean years of schooling (male minus female)	-0.1	-0.1	-0.2	-0.3	-0.3	-0.4
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	0.3%	0.3%	0.1%	0.1%	0.0%	0.0%
E2 - incomplete primary	0.5%	0.4%	0.1%	0.1%	0.0%	0.0%
E3 - primary	18.1%	12.1%	4.0%	1.9%	0.7%	0.2%
E4 - lower secondary	44.5%	45.5%	44.7%	39.2%	32.2%	24.5%
E5 - upper secondary	19.6%	23.2%	29.1%	33.3%	37.9%	42.2%
E6 - post-secondary	16.9%	18.6%	21.9%	25.6%	29.0%	33.0%
Mean years of schooling (in years)	11.1	11.2	11.7	12.4	13.0	13.6

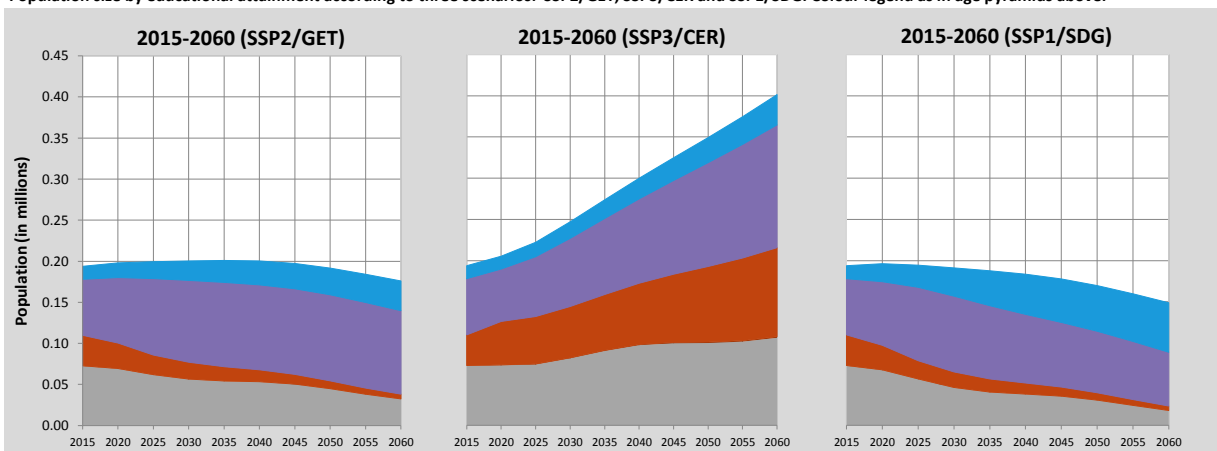
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

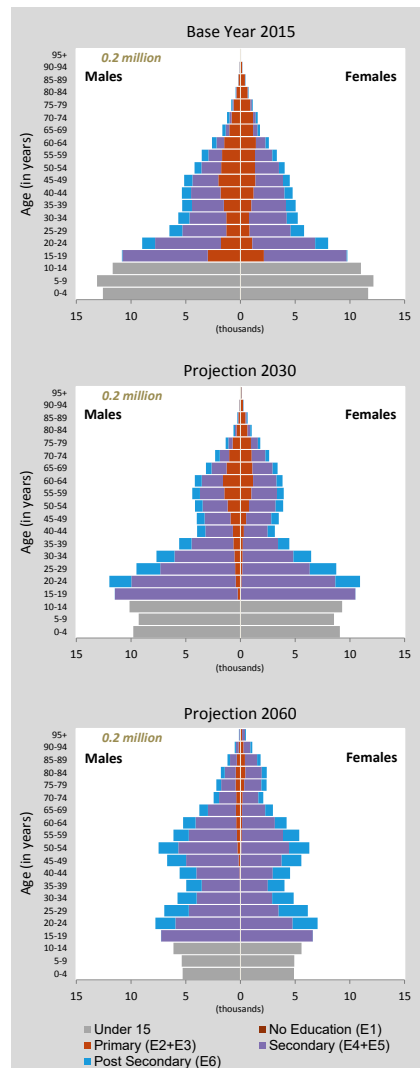
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

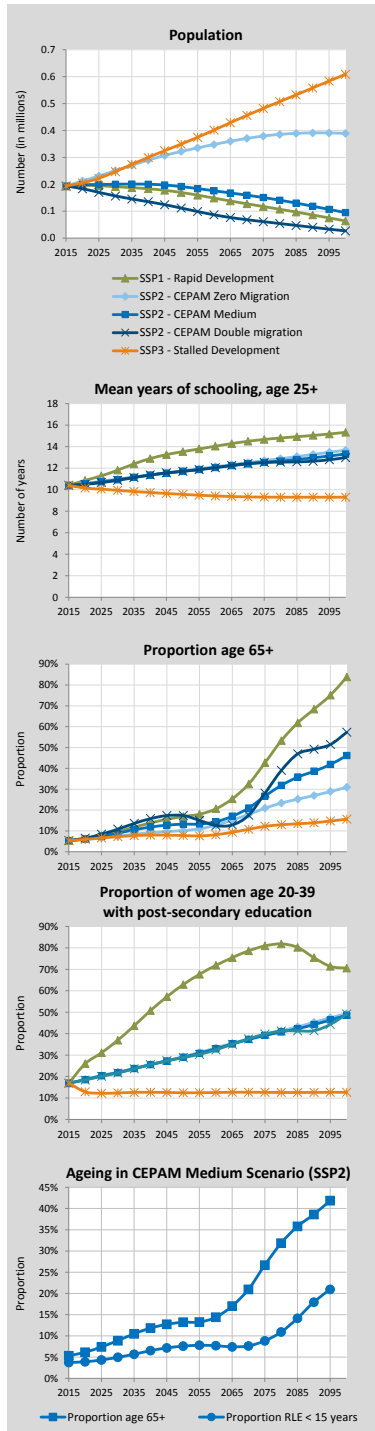
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



Samoa (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	0.19	0.20	0.19	0.17	0.15	0.12	0.06
SSP2 - CEPAM Zero Migration	0.19	0.21	0.25	0.32	0.35	0.38	0.39
SSP2 - CEPAM Medium	0.19	0.20	0.20	0.19	0.18	0.15	0.09
SSP2 - CEPAM Double Migration	0.19	0.18	0.16	0.11	0.09	0.06	0.03
SSP3 - Stalled Development	0.19	0.21	0.25	0.35	0.40	0.48	0.61
Proportion age 65+							
SSP1 - Rapid Development	5.3%	6.2%	9.6%	16.9%	20.6%	42.7%	83.8%
SSP2 - CEPAM Zero Migration	5.3%	5.8%	7.5%	10.2%	12.7%	20.9%	30.9%
SSP2 - CEPAM Medium	5.3%	6.1%	8.9%	13.2%	14.4%	26.7%	46.1%
SSP2 - CEPAM Double Migration	5.3%	6.5%	10.8%	17.4%	12.5%	28.1%	57.3%
SSP3 - Stalled Development	5.3%	5.9%	7.2%	7.8%	8.2%	12.2%	15.6%
Proportion below age 20							
SSP1 - Rapid Development	47.9%	45.5%	35.4%	24.8%	18.4%	11.0%	0.8%
SSP2 - CEPAM Zero Migration	47.9%	44.8%	38.2%	30.7%	26.2%	22.6%	18.1%
SSP2 - CEPAM Medium	47.9%	46.1%	39.0%	32.0%	26.2%	21.3%	13.1%
SSP2 - CEPAM Double Migration	47.9%	47.5%	39.8%	35.3%	27.9%	21.9%	7.5%
SSP3 - Stalled Development	47.9%	46.4%	42.3%	38.1%	34.7%	32.8%	30.7%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	16.9%	26.0%	37.0%	62.9%	71.9%	80.9%	70.5%
SSP2 - CEPAM Zero Migration	16.9%	18.7%	22.0%	29.3%	33.4%	39.5%	49.4%
SSP2 - CEPAM Medium	16.9%	18.6%	21.9%	29.0%	33.0%	39.2%	48.6%
SSP2 - CEPAM Double Migration	16.9%	18.4%	21.6%	28.9%	32.5%	39.8%	49.1%
SSP3 - Stalled Development	16.9%	12.9%	12.4%	12.4%	12.6%	12.6%	12.7%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	10.4	10.9	11.8	13.5	14.0	14.7	15.3
SSP2 - CEPAM Zero Migration	10.4	10.6	11.0	11.7	12.1	12.7	13.7
SSP2 - CEPAM Medium	10.4	10.5	10.9	11.7	12.1	12.5	13.3
SSP2 - CEPAM Double Migration	10.4	10.5	10.9	11.7	12.1	12.5	13.0
SSP3 - Stalled Development	10.4	10.2	9.9	9.6	9.4	9.3	9.3

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	3.30	2.55	1.85	1.37	1.30	1.24	1.20
SSP2 - CEPAM Zero Migration	3.60	3.08	2.52	1.93	1.81	1.72	1.64
SSP2 - CEPAM Medium	3.61	3.08	2.52	1.93	1.81	1.72	1.64
SSP2 - CEPAM Double Migration	3.61	3.08	2.52	1.92	1.81	1.73	1.64
SSP3 - Stalled Development	4.02	3.80	3.36	2.71	2.60	2.57	2.58
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	79.0	80.5	83.4	89.1	91.9	96.0	28.8
SSP2 - CEPAM Zero Migration	78.5	79.5	81.3	85.0	86.9	89.7	93.4
SSP2 - CEPAM Medium	78.5	79.5	81.3	85.0	86.9	89.7	93.2
SSP2 - CEPAM Double Migration	78.5	79.5	81.3	85.0	86.9	89.7	93.2
SSP3 - Stalled Development	77.9	78.3	79.0	80.5	81.1	82.1	83.7
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-12.5	-12.7	-12.3	-10.7	-9.3	-7.2	-4.2
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-12.5	-12.8	-12.8	-12.1	-11.0	-9.3	-6.2
SSP2 - CEPAM Double Migration	-25.1	-23.6	-19.8	-13.5	-10.2	-6.9	-2.9
SSP3 - Stalled Development	-8.3	-4.4	0.0	0.0	0.0	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	21.2	22.0	24.8	32.5	36.9	45.0	59.4
Proportion age 65+	5.3%	6.1%	8.9%	13.2%	14.4%	26.7%	41.9%
Proportion RLE < 15 years	3.5%	3.6%	4.4%	7.6%	8.2%	7.8%	20.8%

Sao Tome and Principe

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	0.20	0.22	0.25	0.27	0.29	0.30
Proportion age 65+	3.0%	2.9%	3.8%	5.3%	7.7%	10.0%
Proportion below age 20	54.1%	52.4%	44.9%	37.8%	33.3%	29.1%
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	3.93	3.25	2.55	2.11	1.89	1.84
Life expectancy at birth (in years)						
Male	64.6	65.5	67.3	69.1	70.9	71.8
Female	69.0	69.9	71.6	73.3	75.1	76.8
Five-year net-migration flow (in thousands)	-4.9	-5.4	-6.3	-6.9	-7.4	-7.5

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	10.3%	7.5%	3.6%	1.8%	0.9%	0.5%
E2 - incomplete primary	46.7%	43.0%	34.3%	25.5%	18.8%	13.3%
E3 - primary	25.9%	29.0%	33.8%	35.3%	34.5%	32.0%
E4 - lower secondary	10.3%	12.1%	16.9%	22.2%	26.5%	30.0%
E5 - upper secondary	5.4%	6.6%	9.2%	12.4%	15.8%	19.8%
E6 - post-secondary	1.4%	1.8%	2.3%	2.9%	3.6%	4.4%
Mean years of schooling (in years)	4.0	4.6	5.8	6.8	7.5	8.2
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.29	0.27	0.26	0.27	0.31	0.34
E2 - incomplete primary	0.94	0.93	0.90	0.91	0.94	0.98
E3 - primary	1.29	1.20	1.10	1.05	1.02	1.01
E4 - lower secondary	1.34	1.24	1.12	1.02	0.97	0.95
E5 - upper secondary	2.08	1.79	1.44	1.28	1.21	1.19
E6 - post-secondary	1.31	1.00	0.82	0.76	0.73	0.73
Mean years of schooling (male minus female)	0.5	0.4	0.3	0.1	0.1	0.0
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	2.6%	1.6%	0.2%	0.1%	0.0%	0.0%
E2 - incomplete primary	40.9%	32.6%	19.3%	11.3%	6.0%	2.7%
E3 - primary	33.0%	36.3%	39.3%	36.3%	30.4%	23.0%
E4 - lower secondary	14.5%	17.7%	24.8%	30.9%	35.3%	37.5%
E5 - upper secondary	7.9%	10.1%	13.8%	18.1%	23.9%	31.1%
E6 - post-secondary	1.2%	1.7%	2.5%	3.3%	4.3%	5.6%
Mean years of schooling (in years)	5.0	6.0	7.6	8.4	9.0	9.5

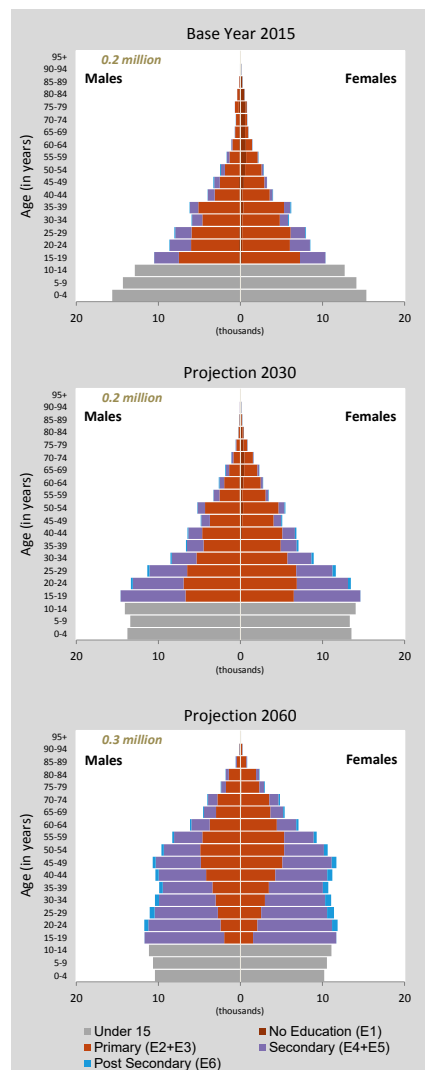
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

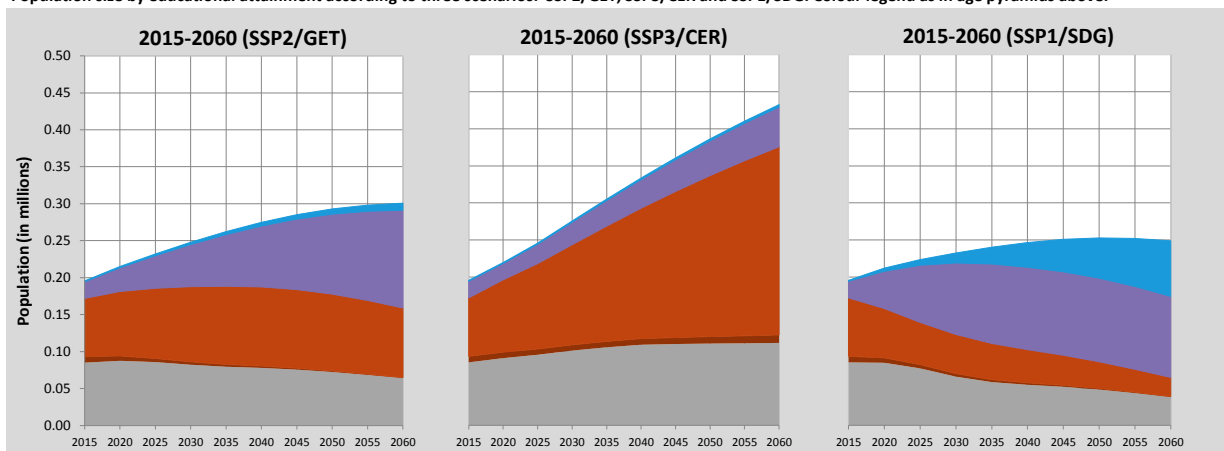
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

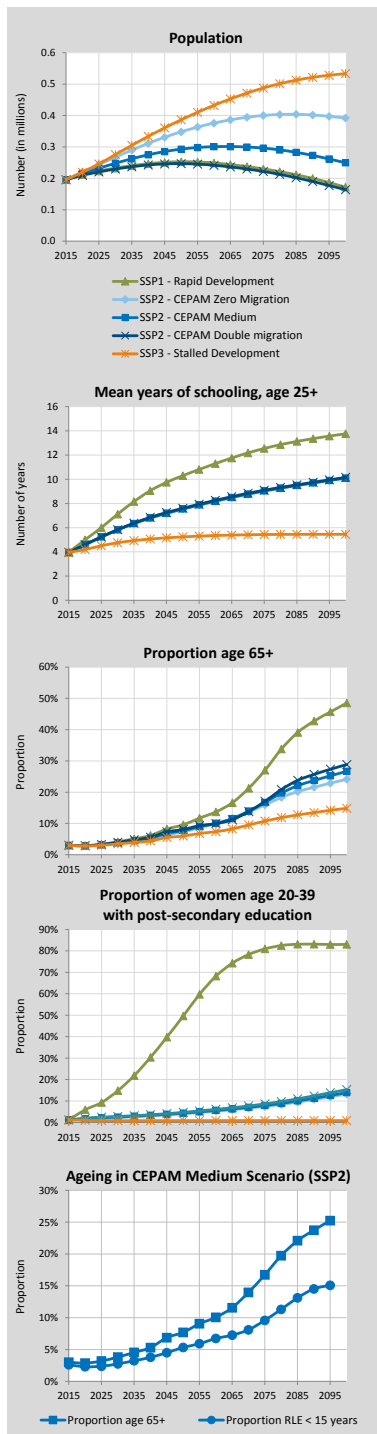
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Sao Tome and Principe (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	0.20	0.21	0.23	0.25	0.25	0.23	0.17
SSP2 - CEPAM Zero Migration	0.20	0.22	0.27	0.35	0.38	0.40	0.39
SSP2 - CEPAM Medium	0.20	0.22	0.25	0.29	0.30	0.30	0.25
SSP2 - CEPAM Double Migration	0.20	0.21	0.23	0.25	0.24	0.22	0.16
SSP3 - Stalled Development	0.20	0.22	0.28	0.39	0.43	0.49	0.53
Proportion age 65+							
SSP1 - Rapid Development	3.0%	2.9%	4.1%	9.6%	13.7%	27.0%	48.5%
SSP2 - CEPAM Zero Migration	3.0%	2.8%	3.7%	7.3%	9.9%	15.9%	24.1%
SSP2 - CEPAM Medium	3.0%	2.9%	3.8%	7.7%	10.0%	16.7%	26.7%
SSP2 - CEPAM Double Migration	3.0%	2.9%	4.0%	8.1%	9.9%	17.1%	28.9%
SSP3 - Stalled Development	3.0%	2.8%	3.5%	6.0%	7.4%	10.8%	14.8%
Proportion below age 20							
SSP1 - Rapid Development	54.1%	51.7%	40.9%	26.1%	21.6%	15.7%	10.5%
SSP2 - CEPAM Zero Migration	54.1%	51.8%	43.8%	32.1%	28.1%	23.9%	20.0%
SSP2 - CEPAM Medium	54.1%	52.4%	44.9%	33.3%	29.1%	24.5%	20.0%
SSP2 - CEPAM Double Migration	54.1%	53.1%	46.1%	34.6%	30.3%	25.1%	20.1%
SSP3 - Stalled Development	54.1%	52.8%	47.4%	37.8%	34.1%	30.7%	27.9%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	1.2%	5.9%	14.8%	49.6%	68.2%	80.9%	83.0%
SSP2 - CEPAM Zero Migration	1.2%	1.6%	2.3%	4.1%	5.3%	7.5%	13.2%
SSP2 - CEPAM Medium	1.2%	1.7%	2.5%	4.3%	5.6%	7.9%	13.9%
SSP2 - CEPAM Double Migration	1.2%	1.9%	2.8%	4.7%	6.1%	8.6%	15.3%
SSP3 - Stalled Development	1.2%	0.9%	0.8%	0.8%	0.9%	0.9%	0.9%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	4.0	5.0	7.1	10.3	11.3	12.5	13.8
SSP2 - CEPAM Zero Migration	4.0	4.6	5.8	7.5	8.2	9.0	10.1
SSP2 - CEPAM Medium	4.0	4.6	5.8	7.5	8.2	9.0	10.1
SSP2 - CEPAM Double Migration	4.0	4.6	5.8	7.6	8.3	9.1	10.2
SSP3 - Stalled Development	4.0	4.2	4.8	5.2	5.3	5.4	5.5

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	3.53	2.59	1.81	1.33	1.27	1.22	1.15
SSP2 - CEPAM Zero Migration	3.93	3.25	2.55	1.89	1.79	1.70	1.58
SSP2 - CEPAM Medium	3.93	3.25	2.55	1.89	1.79	1.70	1.58
SSP2 - CEPAM Double Migration	3.93	3.25	2.55	1.90	1.79	1.70	1.59
SSP3 - Stalled Development	4.30	3.88	3.29	2.44	2.31	2.24	2.14
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	69.6	71.3	74.4	79.8	82.6	87.0	92.7
SSP2 - CEPAM Zero Migration	69.0	69.8	71.6	75.1	76.8	79.5	83.0
SSP2 - CEPAM Medium	69.0	69.9	71.6	75.1	76.8	79.5	83.0
SSP2 - CEPAM Double Migration	69.0	69.9	71.6	75.1	76.9	79.5	83.0
SSP3 - Stalled Development	68.4	68.6	69.1	70.0	70.3	71.0	72.0
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-4.9	-5.3	-5.9	-6.3	-6.1	-5.5	-4.2
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-4.9	-5.4	-6.3	-7.4	-7.5	-7.2	-6.1
SSP2 - CEPAM Double Migration	-9.8	-10.5	-11.5	-12.1	-11.6	-10.3	-7.5
SSP3 - Stalled Development	-3.2	-1.8	0.0	0.0	0.0	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	18.1	19.0	22.3	30.2	33.9	39.5	45.6
Proportion age 65+	3.0%	2.9%	3.8%	7.7%	10.0%	16.7%	25.2%
Proportion RLE < 15 years	2.8%	2.5%	2.9%	5.2%	6.7%	9.4%	15.2%

Saudi Arabia

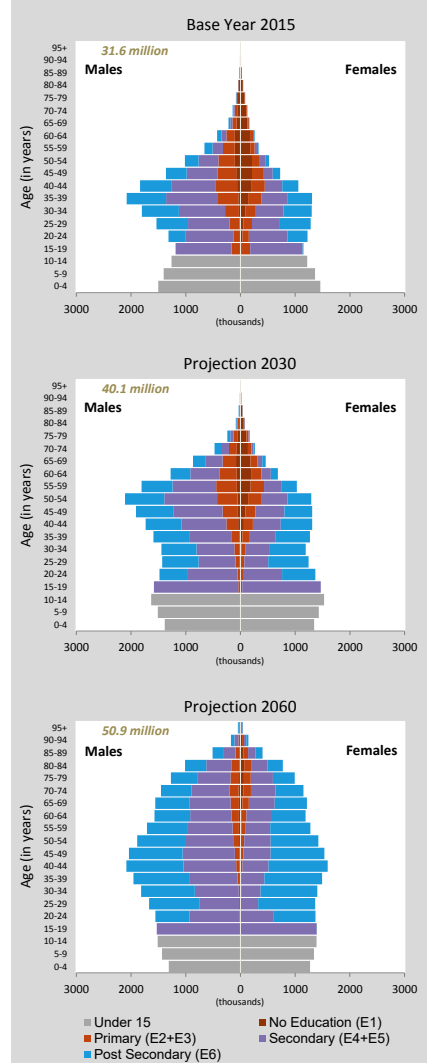
Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	31.55	34.68	40.11	44.65	48.37	50.90
Proportion age 65+	3.1%	3.8%	6.8%	12.6%	18.6%	21.1%
Proportion below age 20	33.4%	32.8%	29.6%	25.3%	23.4%	22.0%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	2.49	2.32	2.10	1.95	1.84	1.79
Life expectancy at birth (in years)						
Male	73.5	74.6	76.7	78.8	80.9	82.0
Female	76.6	77.7	79.8	82.0	84.1	86.3
Five-year net-migration flow (in thousands)	611.7	638.3	688.2	732.0	766.9	780.2

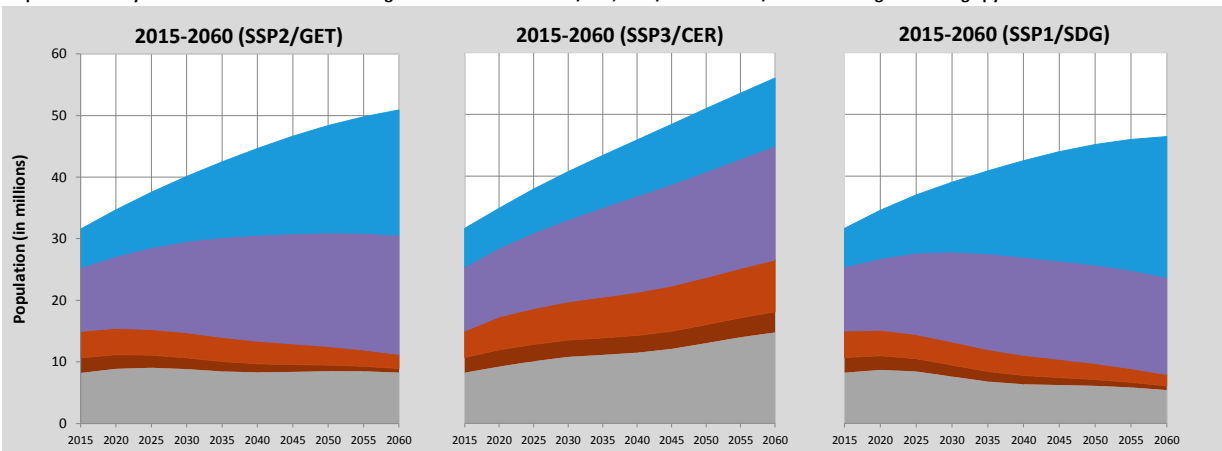
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	12.9%	10.7%	7.2%	4.6%	2.9%	1.8%
E2 - incomplete primary	5.2%	4.7%	3.6%	2.6%	1.8%	1.2%
E3 - primary	15.0%	14.0%	11.9%	9.3%	6.9%	5.0%
E4 - lower secondary	16.9%	17.0%	16.7%	15.5%	13.9%	12.0%
E5 - upper secondary	19.9%	21.2%	23.6%	25.7%	27.4%	28.5%
E6 - post-secondary	30.0%	32.4%	37.1%	42.2%	47.1%	51.5%
Mean years of schooling (in years)	9.6	10.0	10.8	11.5	12.1	12.5
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.30	0.30	0.30	0.32	0.38	0.50
E2 - incomplete primary	0.62	0.61	0.60	0.60	0.62	0.70
E3 - primary	1.41	1.38	1.31	1.26	1.20	1.16
E4 - lower secondary	1.52	1.48	1.44	1.44	1.45	1.48
E5 - upper secondary	1.27	1.24	1.23	1.25	1.31	1.38
E6 - post-secondary	1.08	1.01	0.91	0.85	0.81	0.79
Mean years of schooling (male minus female)	1.0	0.8	0.4	0.1	-0.1	-0.2
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	3.4%	2.7%	1.0%	0.5%	0.3%	0.2%
E2 - incomplete primary	2.6%	2.1%	0.9%	0.4%	0.3%	0.2%
E3 - primary	11.1%	9.0%	5.3%	2.9%	1.6%	1.0%
E4 - lower secondary	18.3%	17.0%	13.9%	10.7%	8.3%	6.0%
E5 - upper secondary	29.3%	30.1%	32.7%	34.0%	33.7%	33.8%
E6 - post-secondary	35.3%	39.1%	46.3%	51.5%	55.8%	58.9%
Mean years of schooling (in years)	11.1	11.6	12.6	13.2	13.6	13.8

Education scenarios
 SSP2/GET: Global Education Trend Scenario (Medium assumption)
 SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)
 SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

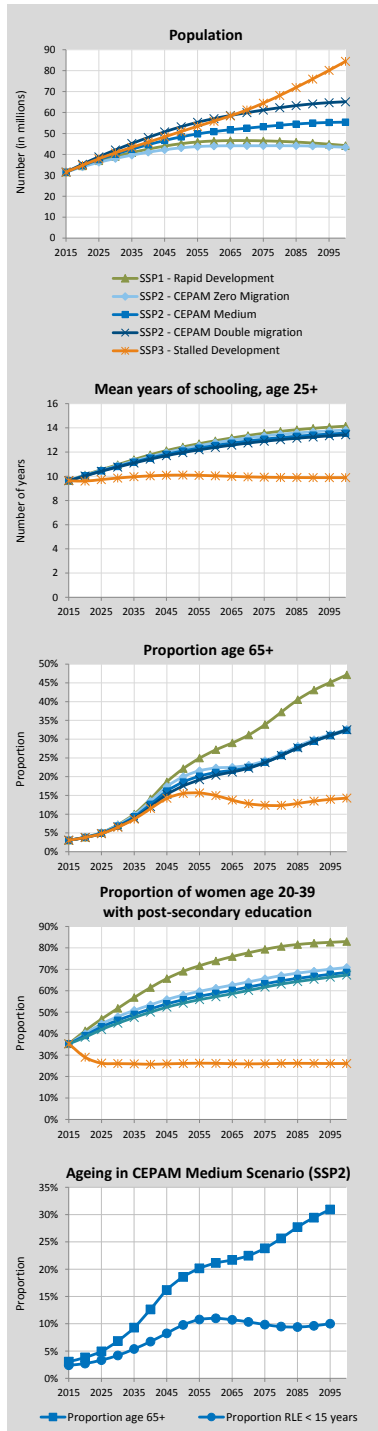
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Saudi Arabia (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	31.55	34.48	39.02	45.12	46.41	46.46	44.22
SSP2 - CEPAM Zero Migration	31.55	34.05	38.05	43.14	44.04	44.14	43.39
SSP2 - CEPAM Medium	31.55	34.68	40.11	48.37	50.90	53.25	55.40
SSP2 - CEPAM Double Migration	31.55	35.32	42.12	53.22	57.10	61.17	65.15
SSP3 - Stalled Development	31.55	34.80	40.73	50.93	55.88	64.49	84.43
Proportion age 65+							
SSP1 - Rapid Development	3.1%	3.9%	7.2%	22.1%	27.2%	33.9%	47.1%
SSP2 - CEPAM Zero Migration	3.1%	3.9%	7.1%	20.0%	22.3%	24.3%	32.6%
SSP2 - CEPAM Medium	3.1%	3.8%	6.8%	18.6%	21.1%	23.8%	32.3%
SSP2 - CEPAM Double Migration	3.1%	3.8%	6.6%	17.5%	20.4%	23.7%	32.5%
SSP3 - Stalled Development	3.1%	3.8%	6.5%	15.5%	15.0%	12.4%	14.3%
Proportion below age 20							
SSP1 - Rapid Development	33.4%	32.3%	27.2%	18.3%	16.2%	12.7%	9.5%
SSP2 - CEPAM Zero Migration	33.4%	33.0%	30.1%	24.4%	23.3%	20.6%	17.5%
SSP2 - CEPAM Medium	33.4%	32.8%	29.6%	23.4%	22.0%	19.1%	16.0%
SSP2 - CEPAM Double Migration	33.4%	32.5%	29.2%	22.5%	21.0%	18.1%	15.0%
SSP3 - Stalled Development	33.4%	33.6%	33.8%	32.8%	34.0%	33.8%	32.1%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	35.3%	41.3%	51.8%	69.1%	74.0%	79.3%	83.0%
SSP2 - CEPAM Zero Migration	35.3%	40.0%	47.9%	58.0%	61.2%	65.7%	70.9%
SSP2 - CEPAM Medium	35.3%	39.1%	46.3%	55.8%	58.9%	63.2%	68.6%
SSP2 - CEPAM Double Migration	35.3%	38.3%	44.9%	54.2%	57.2%	61.7%	67.3%
SSP3 - Stalled Development	35.3%	29.0%	26.0%	26.1%	26.2%	26.0%	26.1%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	9.6	10.1	11.0	12.4	12.9	13.6	14.1
SSP2 - CEPAM Zero Migration	9.6	10.1	10.9	12.3	12.8	13.3	13.8
SSP2 - CEPAM Medium	9.6	10.0	10.8	12.1	12.5	13.1	13.6
SSP2 - CEPAM Double Migration	9.6	10.0	10.8	12.0	12.4	12.9	13.4
SSP3 - Stalled Development	9.6	9.6	9.9	10.1	10.0	9.9	9.9

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	2.31	1.97	1.59	1.33	1.28	1.23	1.18
SSP2 - CEPAM Zero Migration	2.49	2.32	2.09	1.83	1.74	1.66	1.58
SSP2 - CEPAM Medium	2.49	2.32	2.10	1.84	1.75	1.66	1.58
SSP2 - CEPAM Double Migration	2.50	2.33	2.11	1.84	1.76	1.67	1.59
SSP3 - Stalled Development	2.79	2.97	3.00	2.88	2.80	2.69	2.59
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	77.1	78.7	81.8	88.1	91.3	96.1	102.5
SSP2 - CEPAM Zero Migration	76.6	77.7	79.8	84.1	86.3	89.6	93.9
SSP2 - CEPAM Medium	76.6	77.7	79.8	84.1	86.3	89.5	93.8
SSP2 - CEPAM Double Migration	76.6	77.7	79.8	84.1	86.2	89.4	93.8
SSP3 - Stalled Development	76.0	76.5	77.5	79.5	80.3	81.7	83.8
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	612.5	636.1	668.8	707.9	707.9	687.4	618.8
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	611.7	638.3	688.2	766.9	790.4	800.4	770.5
SSP2 - CEPAM Double Migration	1223.5	1261.5	1328.0	1419.9	1437.4	1422.2	1333.2
SSP3 - Stalled Development	407.5	214.9	0.6	0.8	0.9	0.9	1.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	29.8	31.6	35.0	39.7	42.2	45.5	49.8
Proportion age 65+	3.1%	3.8%	6.8%	18.6%	21.1%	23.8%	30.9%
Proportion RLE < 15 years	2.3%	2.4%	3.0%	7.0%	8.9%	9.4%	9.5%

Senegal

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	14.98	17.12	21.27	25.42	29.34	32.59
Proportion age 65+	3.0%	3.1%	3.5%	4.6%	6.3%	8.4%
Proportion below age 20	53.6%	52.3%	47.4%	41.0%	36.8%	32.7%
Total Fertility Rate	4.47	3.89	3.13	2.60	2.26	2.14
Life expectancy at birth (in years)						
Male	65.5	66.4	68.2	70.1	71.9	72.8
Female	69.5	70.4	72.2	74.0	75.9	77.7
Five-year net-migration flow (in thousands)	-68.0	-81.6	-108.1	-135.0	-160.4	-171.6

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	57.5%	52.1%	41.7%	32.1%	24.1%	17.7%
E2 - incomplete primary	7.1%	7.9%	9.2%	9.7%	9.4%	8.7%
E3 - primary	17.4%	19.0%	21.8%	23.6%	24.3%	23.9%
E4 - lower secondary	7.8%	8.9%	11.2%	13.8%	15.9%	17.7%
E5 - upper secondary	6.3%	7.6%	10.5%	14.2%	18.2%	22.6%
E6 - post-secondary	4.0%	4.5%	5.5%	6.7%	8.0%	9.5%
Mean years of schooling (in years)	3.7	4.3	5.3	6.4	7.4	8.4

Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.82	0.81	0.81	0.83	0.84	0.86
E2 - incomplete primary	0.97	0.93	0.90	0.86	0.83	0.81
E3 - primary	1.22	1.18	1.10	1.03	0.98	0.94
E4 - lower secondary	1.34	1.25	1.12	1.01	0.94	0.91
E5 - upper secondary	1.68	1.59	1.41	1.30	1.23	1.17
E6 - post-secondary	2.05	1.88	1.69	1.59	1.53	1.51
Mean years of schooling (male minus female)	0.6	0.6	0.6	0.5	0.4	0.4

Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	44.7%	38.3%	26.8%	18.1%	11.5%	6.6%
E2 - incomplete primary	9.3%	10.0%	10.7%	9.8%	8.3%	6.4%
E3 - primary	21.7%	23.1%	25.3%	25.8%	24.6%	21.4%
E4 - lower secondary	10.4%	11.9%	15.0%	17.6%	19.4%	21.0%
E5 - upper secondary	9.5%	11.6%	16.0%	21.1%	26.8%	33.2%
E6 - post-secondary	4.3%	5.0%	6.3%	7.7%	9.3%	11.4%
Mean years of schooling (in years)	4.4	5.1	6.5	7.8	8.9	9.9

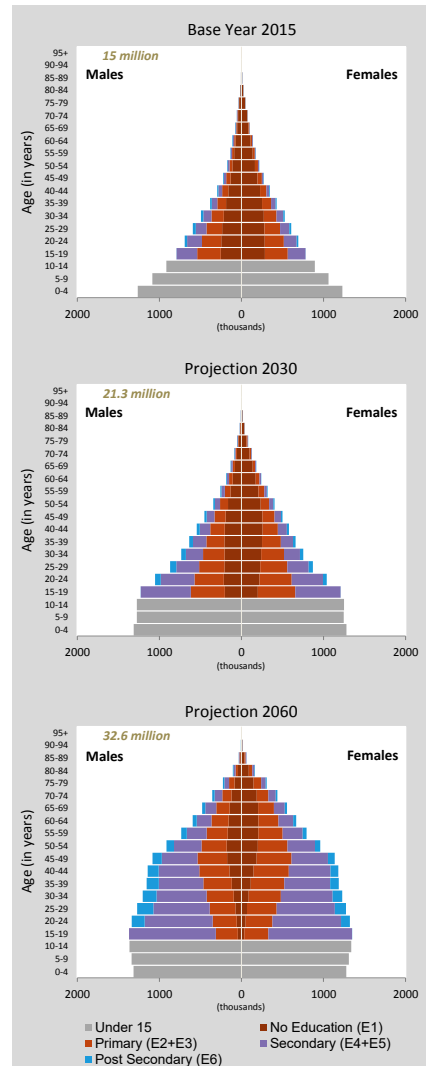
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

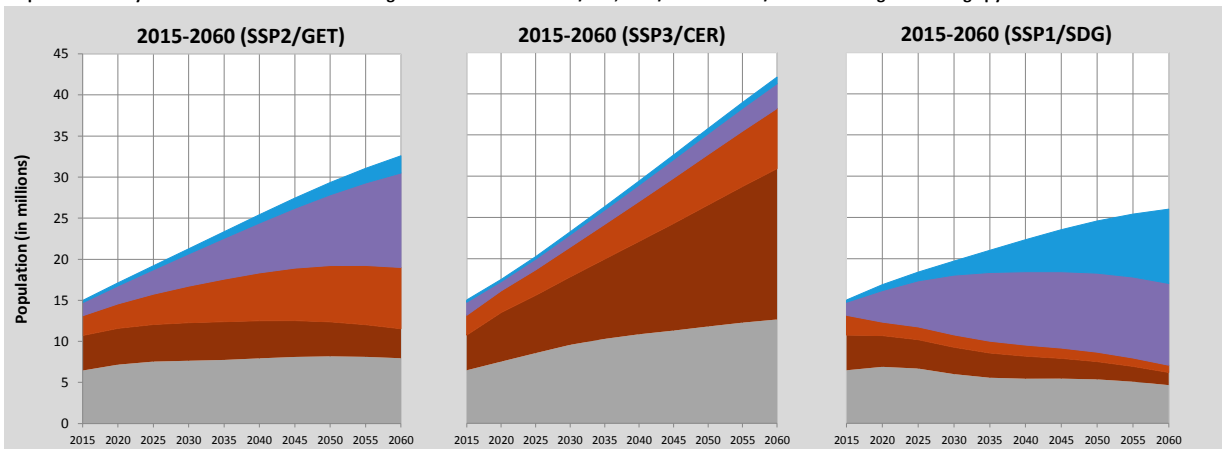
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

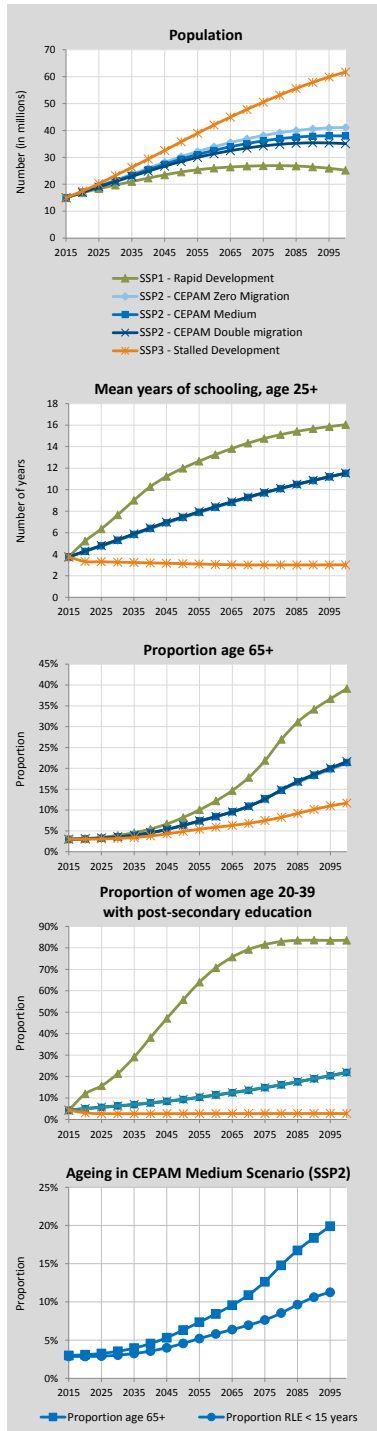
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Senegal (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)	2015 2020 2030 2050 2060 2075 2100						
	Population (in millions)						
SSP1 - Rapid Development	14.98	16.83	19.69	24.56	26.00	26.89	25.24
SSP2 - CEPAM Zero Migration	14.98	17.20	21.56	30.26	33.92	38.12	41.11
SSP2 - CEPAM Medium	14.98	17.12	21.27	29.34	32.59	36.12	37.96
SSP2 - CEPAM Double Migration	14.98	17.05	20.99	28.46	31.33	34.25	35.11
SSP3 - Stalled Development	14.98	17.47	23.25	35.78	42.03	50.54	61.72
Proportion age 65+							
SSP1 - Rapid Development	3.0%	3.2%	3.9%	8.2%	12.2%	21.9%	39.1%
SSP2 - CEPAM Zero Migration	3.0%	3.1%	3.5%	6.3%	8.4%	12.6%	21.2%
SSP2 - CEPAM Medium	3.0%	3.1%	3.5%	6.3%	8.4%	12.6%	21.4%
SSP2 - CEPAM Double Migration	3.0%	3.1%	3.6%	6.4%	8.4%	12.6%	21.6%
SSP3 - Stalled Development	3.0%	3.0%	3.2%	4.9%	5.9%	7.5%	11.7%
Proportion below age 20							
SSP1 - Rapid Development	53.6%	51.5%	42.8%	29.0%	24.8%	18.6%	13.3%
SSP2 - CEPAM Zero Migration	53.6%	52.2%	47.1%	36.4%	32.3%	27.2%	22.0%
SSP2 - CEPAM Medium	53.6%	52.3%	47.4%	36.8%	32.7%	27.6%	22.3%
SSP2 - CEPAM Double Migration	53.6%	52.5%	47.6%	37.2%	33.1%	28.0%	22.5%
SSP3 - Stalled Development	53.6%	53.2%	51.5%	42.8%	39.2%	34.8%	31.0%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	4.3%	11.9%	21.4%	55.8%	70.7%	81.6%	83.6%
SSP2 - CEPAM Zero Migration	4.3%	4.9%	6.2%	9.2%	11.3%	14.7%	21.8%
SSP2 - CEPAM Medium	4.3%	5.0%	6.3%	9.3%	11.4%	14.8%	21.9%
SSP2 - CEPAM Double Migration	4.3%	5.1%	6.4%	9.4%	11.5%	14.9%	22.0%
SSP3 - Stalled Development	4.3%	3.0%	2.7%	2.7%	2.7%	2.8%	2.8%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	3.7	5.2	7.7	12.0	13.3	14.8	16.0
SSP2 - CEPAM Zero Migration	3.7	4.3	5.3	7.4	8.3	9.7	11.5
SSP2 - CEPAM Medium	3.7	4.3	5.3	7.4	8.4	9.7	11.5
SSP2 - CEPAM Double Migration	3.7	4.3	5.3	7.5	8.4	9.7	11.5
SSP3 - Stalled Development	3.7	3.3	3.3	3.1	3.1	3.0	3.0

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	3.97	3.04	2.17	1.58	1.45	1.33	1.22
SSP2 - CEPAM Zero Migration	4.47	3.89	3.13	2.26	2.05	1.86	1.69
SSP2 - CEPAM Medium	4.47	3.89	3.13	2.26	2.05	1.86	1.69
SSP2 - CEPAM Double Migration	4.47	3.89	3.13	2.26	2.05	1.86	1.69
SSP3 - Stalled Development	5.03	4.87	4.21	2.94	2.65	2.46	2.34
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	70.1	71.8	74.9	80.6	83.5	88.2	94.2
SSP2 - CEPAM Zero Migration	69.5	70.4	72.2	75.9	77.7	80.4	84.1
SSP2 - CEPAM Medium	69.5	70.4	72.2	75.9	77.7	80.4	84.1
SSP2 - CEPAM Double Migration	69.5	70.4	72.2	75.9	77.7	80.5	84.1
SSP3 - Stalled Development	68.9	69.1	69.6	70.5	70.9	71.6	72.7
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-68.0	-79.8	-97.9	-129.4	-138.9	-145.0	-138.0
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-68.0	-81.6	-108.1	-160.4	-181.4	-203.8	-214.5
SSP2 - CEPAM Double Migration	-136.0	-162.2	-212.2	-308.1	-344.4	-380.3	-390.0
SSP3 - Stalled Development	-45.3	-28.0	-0.1	-0.2	-0.2	-0.3	-0.3

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	18.3	18.9	21.3	27.8	30.9	35.6	41.3
Proportion age 65+	3.0%	3.1%	3.5%	6.3%	8.4%	12.6%	19.9%
Proportion RLE < 15 years	2.9%	3.0%	3.2%	4.7%	5.9%	7.6%	11.3%

Serbia

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	8.85	8.65	8.20	7.68	7.17	6.70
Proportion age 65+	16.3%	18.8%	21.2%	23.5%	26.9%	30.4%
Proportion below age 20	22.8%	22.2%	21.0%	19.8%	18.7%	18.0%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	1.61	1.64	1.59	1.60	1.60	1.60
Life expectancy at birth (in years)						
Male	72.6	73.7	76.0	78.3	80.5	81.7
Female	78.2	79.3	81.4	83.5	85.6	87.7
Five-year net-migration flow (in thousands)	-99.1	-94.3	-84.2	-73.7	-64.3	-60.0

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	2.4%	1.7%	0.9%	0.7%	0.5%	0.4%
E2 - incomplete primary	1.0%	0.7%	0.4%	0.3%	0.2%	0.2%
E3 - primary	6.5%	4.8%	2.4%	1.2%	0.7%	0.5%
E4 - lower secondary	16.9%	15.9%	13.1%	10.1%	7.4%	5.3%
E5 - upper secondary	52.2%	54.3%	57.3%	58.2%	57.4%	55.4%
E6 - post-secondary	21.0%	22.7%	26.0%	29.5%	33.7%	38.1%
Mean years of schooling (in years)	11.3	11.6	12.2	12.6	12.9	13.2
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.30	0.37	0.57	0.67	0.68	0.65
E2 - incomplete primary	0.48	0.54	0.73	0.86	0.90	0.88
E3 - primary	0.55	0.50	0.48	0.59	0.78	0.85
E4 - lower secondary	0.88	0.87	0.89	0.94	1.02	1.09
E5 - upper secondary	1.21	1.19	1.18	1.19	1.23	1.30
E6 - post-secondary	0.97	0.90	0.81	0.74	0.70	0.68
Mean years of schooling (male minus female)	0.3	0.2	0.0	-0.1	-0.2	-0.3
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	0.8%	0.6%	0.3%	0.2%	0.1%	0.1%
E2 - incomplete primary	0.3%	0.2%	0.1%	0.1%	0.1%	0.0%
E3 - primary	0.9%	0.6%	0.2%	0.1%	0.1%	0.1%
E4 - lower secondary	11.6%	8.8%	4.5%	2.4%	1.3%	0.7%
E5 - upper secondary	63.0%	62.6%	61.8%	59.0%	54.7%	50.0%
E6 - post-secondary	23.3%	27.1%	33.1%	38.3%	43.8%	49.0%
Mean years of schooling (in years)	12.5	12.8	13.4	13.8	14.1	14.4

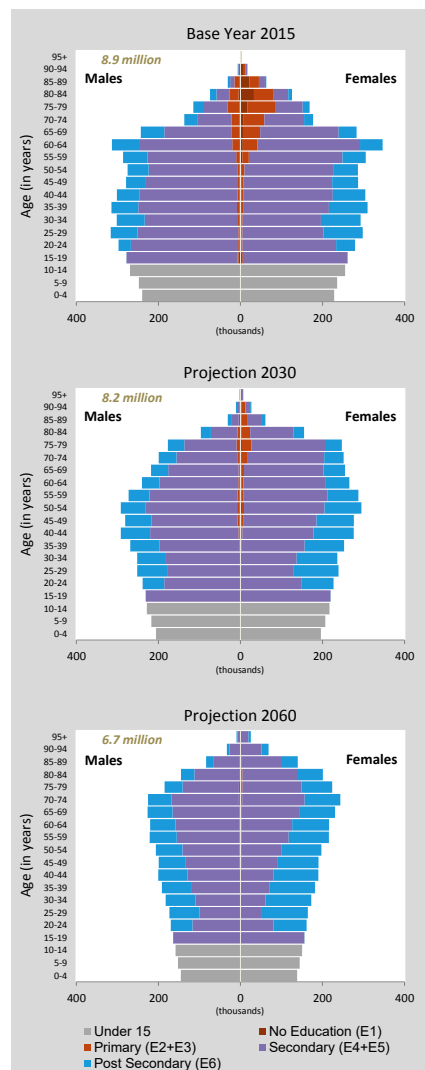
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

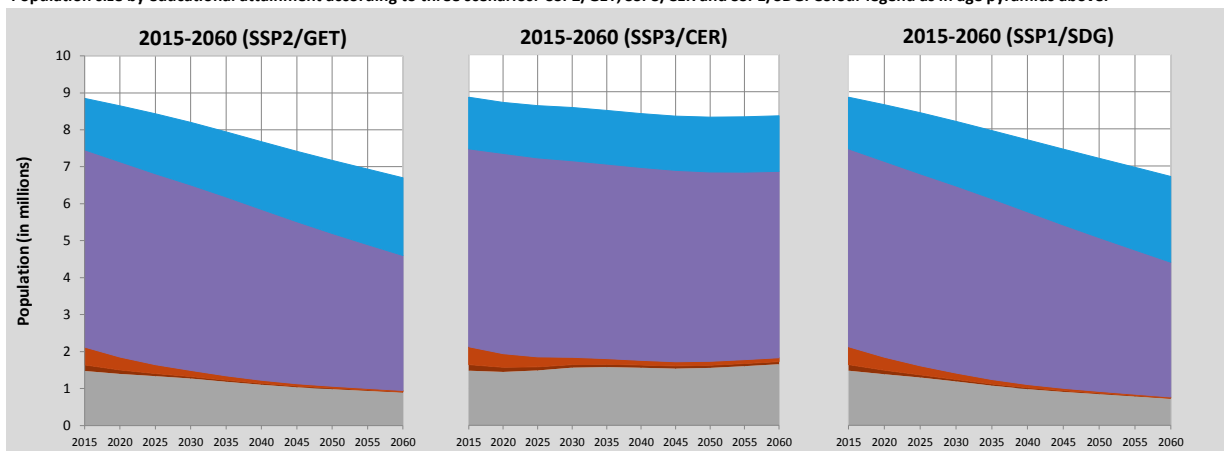
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

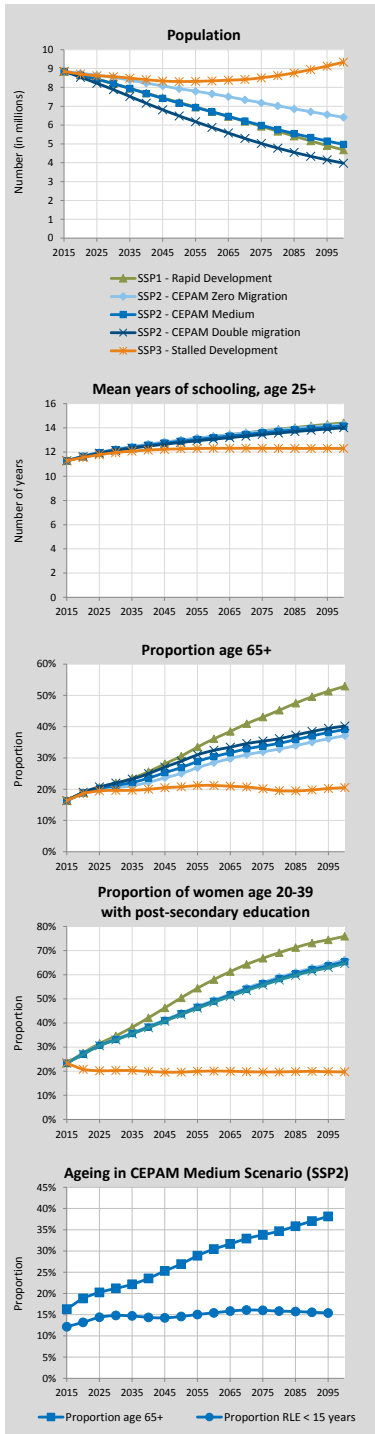
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Serbia (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	8.85	8.65	8.20	7.20	6.71	5.93	4.68
SSP2 - CEPAM Zero Migration	8.85	8.75	8.53	7.93	7.66	7.18	6.42
SSP2 - CEPAM Medium	8.85	8.65	8.20	7.17	6.70	5.99	4.98
SSP2 - CEPAM Double Migration	8.85	8.54	7.88	6.49	5.88	5.03	3.98
SSP3 - Stalled Development	8.85	8.71	8.57	8.31	8.35	8.51	9.34
Proportion age 65+							
SSP1 - Rapid Development	16.3%	18.9%	22.0%	30.6%	36.1%	43.1%	52.9%
SSP2 - CEPAM Zero Migration	16.3%	18.6%	20.5%	25.0%	28.5%	32.0%	37.1%
SSP2 - CEPAM Medium	16.3%	18.8%	21.2%	26.9%	30.4%	33.8%	39.1%
SSP2 - CEPAM Double Migration	16.3%	19.0%	22.0%	28.9%	32.4%	35.4%	40.2%
SSP3 - Stalled Development	16.3%	18.6%	19.6%	20.7%	21.2%	20.1%	20.5%
Proportion below age 20							
SSP1 - Rapid Development	22.8%	22.0%	20.0%	16.1%	14.8%	12.8%	10.8%
SSP2 - CEPAM Zero Migration	22.8%	22.2%	21.2%	19.1%	18.5%	17.5%	16.2%
SSP2 - CEPAM Medium	22.8%	22.2%	21.0%	18.7%	18.0%	17.0%	15.8%
SSP2 - CEPAM Double Migration	22.8%	22.1%	20.8%	18.2%	17.6%	16.6%	15.6%
SSP3 - Stalled Development	22.8%	22.5%	23.5%	24.8%	25.9%	26.7%	27.1%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	23.3%	27.6%	34.7%	50.4%	58.0%	66.8%	75.9%
SSP2 - CEPAM Zero Migration	23.3%	27.2%	33.3%	44.1%	49.4%	56.8%	66.1%
SSP2 - CEPAM Medium	23.3%	27.1%	33.1%	43.8%	49.0%	56.3%	65.4%
SSP2 - CEPAM Double Migration	23.3%	27.0%	33.0%	43.4%	48.5%	55.7%	64.7%
SSP3 - Stalled Development	23.3%	20.8%	20.3%	19.6%	20.1%	19.7%	19.7%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	11.3	11.6	12.2	13.0	13.3	13.7	14.4
SSP2 - CEPAM Zero Migration	11.3	11.7	12.2	13.0	13.3	13.7	14.3
SSP2 - CEPAM Medium	11.3	11.6	12.2	12.9	13.2	13.6	14.1
SSP2 - CEPAM Double Migration	11.3	11.6	12.1	12.8	13.1	13.4	14.0
SSP3 - Stalled Development	11.3	11.5	12.0	12.3	12.3	12.3	12.3

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.56	1.53	1.42	1.39	1.38	1.43	1.43
SSP2 - CEPAM Zero Migration	1.61	1.64	1.59	1.60	1.60	1.65	1.64
SSP2 - CEPAM Medium	1.61	1.64	1.59	1.60	1.60	1.65	1.64
SSP2 - CEPAM Double Migration	1.61	1.64	1.59	1.61	1.60	1.65	1.64
SSP3 - Stalled Development	1.76	1.97	2.09	2.22	2.23	2.30	2.32
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	78.7	80.3	83.4	89.6	92.7	97.4	103.6
SSP2 - CEPAM Zero Migration	78.2	79.3	81.4	85.6	87.7	90.9	95.1
SSP2 - CEPAM Medium	78.2	79.3	81.4	85.6	87.7	90.9	95.1
SSP2 - CEPAM Double Migration	78.2	79.3	81.4	85.6	87.7	90.8	95.1
SSP3 - Stalled Development	77.7	78.2	79.3	81.5	82.6	84.1	86.3
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-99.3	-94.8	-85.9	-68.5	-60.9	-49.8	-37.7
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-99.1	-94.3	-84.2	-64.3	-55.9	-44.3	-33.0
SSP2 - CEPAM Double Migration	-198.1	-185.4	-159.0	-108.9	-88.2	-61.6	-38.3
SSP3 - Stalled Development	-65.9	-31.6	-0.1	-0.1	-0.1	-0.1	-0.1

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	40.0	41.3	43.6	47.8	49.6	52.0	54.8
Proportion age 65+	16.3%	18.8%	21.2%	26.9%	30.4%	33.8%	38.1%
Proportion RLE < 15 years	12.0%	12.6%	15.1%	14.9%	15.9%	16.4%	15.7%

Seychelles

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2040	2050	2060
Population (in millions)	0.09	0.10	0.10	0.10	0.10	0.09
Proportion age 65+	8.2%	9.5%	14.7%	19.4%	22.7%	23.3%
Proportion below age 20	28.0%	28.6%	27.6%	24.5%	24.1%	23.1%
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	2.27	2.15	2.00	1.89	1.81	1.80
Life expectancy at birth (in years)						
Male	69.6	70.5	72.4	74.3	76.3	77.3
Female	78.7	79.3	80.7	82.0	83.1	84.3
Five-year net-migration flow (in thousands)	-1.0	-1.0	-0.9	-0.8	-0.6	-0.6

Human Capital indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	4.8%	3.8%	2.5%	1.7%	1.3%	1.0%
E2 - incomplete primary	8.5%	7.3%	5.2%	3.5%	2.2%	1.3%
E3 - primary	27.0%	24.9%	20.8%	15.8%	11.3%	7.6%
E4 - lower secondary	13.4%	13.7%	13.9%	13.1%	11.9%	10.2%
E5 - upper secondary	29.5%	31.9%	36.4%	40.9%	44.5%	46.9%
E6 - post-secondary	16.8%	18.4%	21.3%	25.0%	29.0%	33.0%
Mean years of schooling (in years)	9.9	10.3	11.1	11.9	12.6	13.2
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.91	0.88	0.84	0.78	0.75	0.73
E2 - incomplete primary	0.84	0.85	0.88	0.88	0.91	1.00
E3 - primary	0.94	0.93	0.90	0.88	0.88	0.94
E4 - lower secondary	0.91	0.92	0.94	0.95	0.95	0.96
E5 - upper secondary	1.17	1.16	1.15	1.13	1.12	1.10
E6 - post-secondary	1.00	0.99	0.96	0.94	0.92	0.90
Mean years of schooling (male minus female)	0.2	0.2	0.1	0.1	0.1	0.0
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	0.9%	0.9%	0.5%	0.4%	0.3%	0.2%
E2 - incomplete primary	2.0%	1.5%	0.8%	0.4%	0.2%	0.2%
E3 - primary	14.4%	11.6%	7.6%	4.5%	2.8%	1.6%
E4 - lower secondary	15.9%	14.9%	11.5%	8.7%	6.6%	4.7%
E5 - upper secondary	44.3%	46.8%	51.9%	54.1%	54.1%	53.7%
E6 - post-secondary	22.4%	24.4%	27.7%	31.9%	36.0%	39.6%
Mean years of schooling (in years)	12.2	12.7	13.3	13.8	14.2	14.5

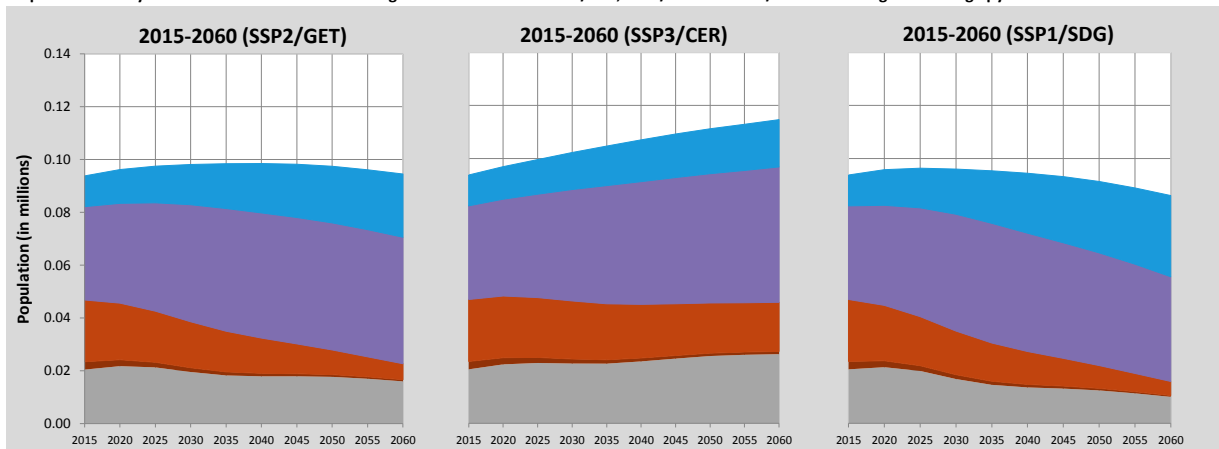
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

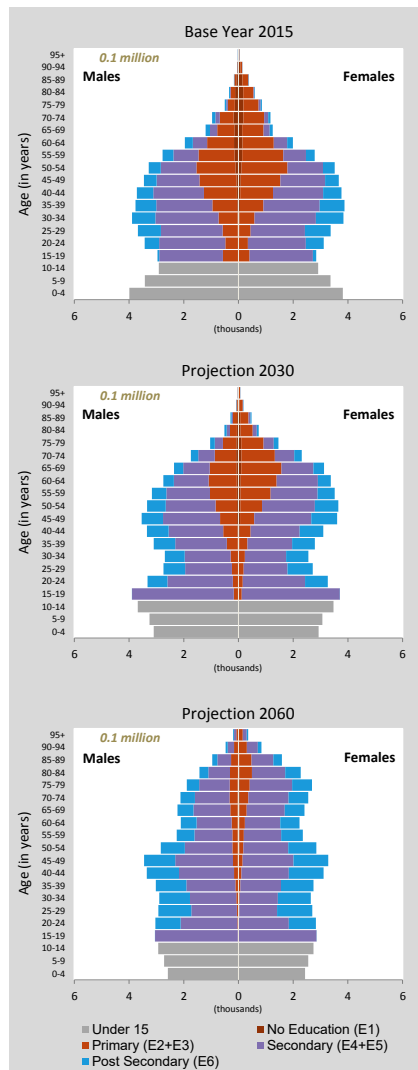
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

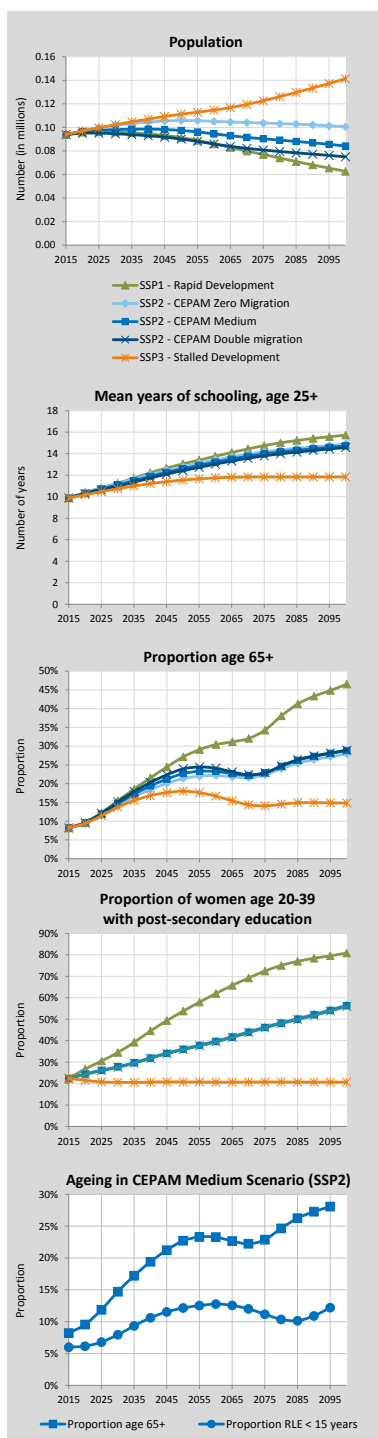
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



Seychelles (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)

	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	0.09	0.10	0.10	0.09	0.09	0.08	0.06
SSP2 - CEPAM Zero Migration	0.09	0.10	0.10	0.11	0.11	0.10	0.10
SSP2 - CEPAM Medium	0.09	0.10	0.10	0.10	0.09	0.09	0.08
SSP2 - CEPAM Double Migration	0.09	0.10	0.09	0.09	0.09	0.08	0.07
SSP3 - Stalled Development	0.09	0.10	0.10	0.11	0.11	0.12	0.14
Proportion age 65+							
SSP1 - Rapid Development	8.2%	9.6%	15.5%	27.2%	30.4%	34.3%	46.5%
SSP2 - CEPAM Zero Migration	8.2%	9.4%	14.2%	21.4%	22.2%	22.3%	27.9%
SSP2 - CEPAM Medium	8.2%	9.5%	14.7%	22.7%	23.3%	22.9%	28.8%
SSP2 - CEPAM Double Migration	8.2%	9.6%	15.1%	24.0%	24.1%	22.9%	28.9%
SSP3 - Stalled Development	8.2%	9.4%	13.7%	18.0%	16.7%	14.1%	14.8%
Proportion below age 20							
SSP1 - Rapid Development	28.0%	28.2%	25.4%	18.5%	16.5%	13.6%	11.1%
SSP2 - CEPAM Zero Migration	28.0%	28.6%	27.7%	24.4%	23.4%	21.8%	20.1%
SSP2 - CEPAM Medium	28.0%	28.6%	27.6%	24.1%	23.1%	21.4%	19.6%
SSP2 - CEPAM Double Migration	28.0%	28.7%	27.6%	23.9%	22.9%	21.2%	19.4%
SSP3 - Stalled Development	28.0%	29.0%	29.6%	29.8%	30.2%	30.4%	30.6%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	22.4%	26.8%	34.5%	53.8%	62.0%	72.5%	80.9%
SSP2 - CEPAM Zero Migration	22.4%	24.5%	27.9%	36.2%	39.9%	46.4%	56.7%
SSP2 - CEPAM Medium	22.4%	24.4%	27.7%	36.0%	39.6%	46.2%	56.3%
SSP2 - CEPAM Double Migration	22.4%	24.3%	27.6%	35.8%	39.4%	46.0%	56.0%
SSP3 - Stalled Development	22.4%	21.5%	20.6%	20.8%	20.7%	20.7%	20.7%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	9.9	10.4	11.3	13.0	13.8	14.7	15.7
SSP2 - CEPAM Zero Migration	9.9	10.4	11.2	12.8	13.4	14.2	14.9
SSP2 - CEPAM Medium	9.9	10.3	11.1	12.6	13.2	14.0	14.7
SSP2 - CEPAM Double Migration	9.9	10.3	11.0	12.4	13.0	13.8	14.6
SSP3 - Stalled Development	9.9	10.2	10.7	11.5	11.7	11.8	11.8

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	2.11	1.83	1.54	1.31	1.31	1.31	1.31
SSP2 - CEPAM Zero Migration	2.27	2.15	2.00	1.81	1.80	1.80	1.79
SSP2 - CEPAM Medium	2.27	2.15	2.00	1.81	1.80	1.80	1.79
SSP2 - CEPAM Double Migration	2.27	2.15	2.00	1.81	1.80	1.80	1.80
SSP3 - Stalled Development	2.43	2.44	2.46	2.40	2.41	2.45	2.49
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	79.2	80.4	82.7	87.1	89.2	92.3	96.3
SSP2 - CEPAM Zero Migration	78.7	79.3	80.7	83.2	84.3	86.0	88.1
SSP2 - CEPAM Medium	78.7	79.3	80.7	83.1	84.3	85.9	88.0
SSP2 - CEPAM Double Migration	78.7	79.3	80.7	83.1	84.2	85.8	87.9
SSP3 - Stalled Development	78.1	78.3	78.6	78.9	78.9	78.8	78.7
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-1.0	-1.0	-0.9	-0.6	-0.5	-0.3	-0.1
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-1.0	-1.0	-0.9	-0.6	-0.5	-0.4	-0.3
SSP2 - CEPAM Double Migration	-2.0	-2.0	-1.6	-1.0	-0.7	-0.3	-0.2
SSP3 - Stalled Development	-0.7	-0.3	0.0	0.0	0.0	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	34.6	36.2	38.9	39.8	42.0	43.6	46.9
Proportion age 65+	8.2%	9.5%	14.7%	22.7%	23.3%	22.9%	28.1%
Proportion RLE < 15 years	5.8%	5.7%	7.2%	13.4%	14.5%	12.5%	13.2%

Sierra Leone

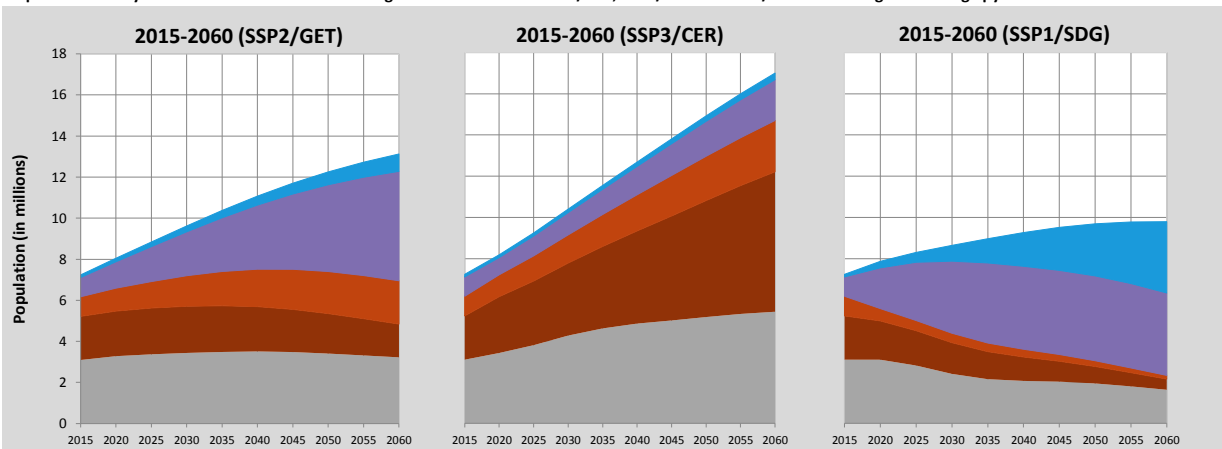
Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	7.24	8.05	9.62	11.07	12.25	13.13
Proportion age 65+	2.5%	2.5%	2.8%	3.5%	4.8%	6.3%
Proportion below age 20	53.6%	51.9%	46.7%	41.6%	37.1%	33.0%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	4.23	3.67	2.95	2.46	2.16	2.06
Life expectancy at birth (in years)						
Male	51.7	52.9	55.3	57.6	60.1	61.3
Female	52.9	54.3	57.0	59.7	62.4	65.1
Five-year net-migration flow (in thousands)	3.3	-0.4	-8.1	-15.7	-21.7	-24.1

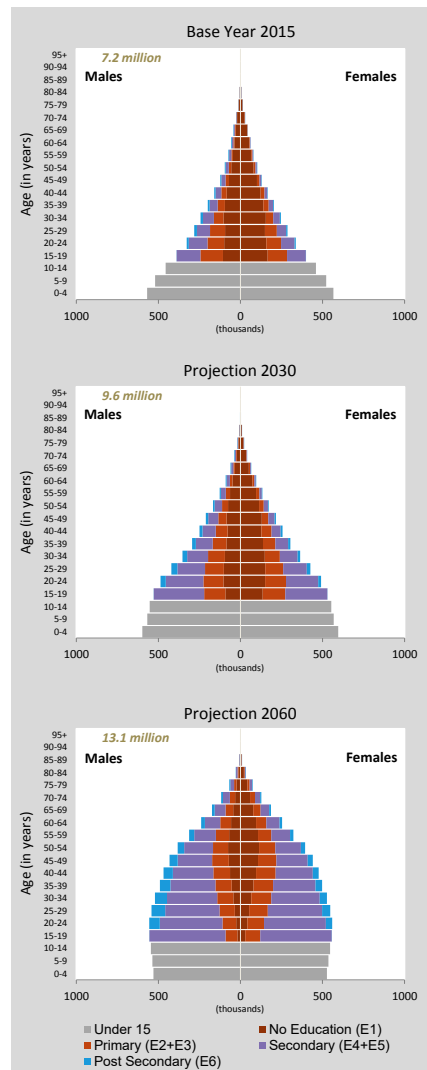
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	59.4%	53.6%	43.2%	34.2%	26.3%	19.6%
E2 - incomplete primary	10.2%	11.1%	12.0%	12.0%	11.3%	10.1%
E3 - primary	9.4%	9.6%	11.4%	12.4%	12.9%	12.8%
E4 - lower secondary	8.6%	10.8%	13.5%	16.2%	18.2%	19.9%
E5 - upper secondary	8.5%	10.3%	14.2%	18.4%	23.0%	27.9%
E6 - post-secondary	3.9%	4.6%	5.7%	6.9%	8.2%	9.7%
Mean years of schooling (in years)	3.9	4.4	5.4	6.4	7.4	8.4
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.71	0.69	0.67	0.66	0.66	0.65
E2 - incomplete primary	1.15	1.05	0.97	0.92	0.87	0.82
E3 - primary	1.68	1.65	1.46	1.27	1.12	1.02
E4 - lower secondary	1.82	1.65	1.40	1.25	1.15	1.07
E5 - upper secondary	1.88	1.68	1.43	1.28	1.21	1.15
E6 - post-secondary	2.58	2.17	1.86	1.73	1.67	1.65
Mean years of schooling (male minus female)	1.2	1.1	1.0	0.9	0.8	0.7
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	46.6%	40.3%	30.9%	23.0%	15.4%	9.4%
E2 - incomplete primary	14.3%	14.3%	13.1%	11.5%	9.6%	7.5%
E3 - primary	10.9%	11.9%	13.3%	13.5%	13.3%	12.1%
E4 - lower secondary	12.5%	13.9%	17.0%	19.5%	21.4%	22.5%
E5 - upper secondary	11.9%	14.8%	19.8%	25.2%	31.4%	37.7%
E6 - post-secondary	3.8%	4.7%	6.0%	7.3%	9.0%	10.8%
Mean years of schooling (in years)	3.8	4.5	5.8	7.1	8.3	9.5

Education scenarios
 SSP2/GET: Global Education Trend Scenario (Medium assumption)
 SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)
 SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

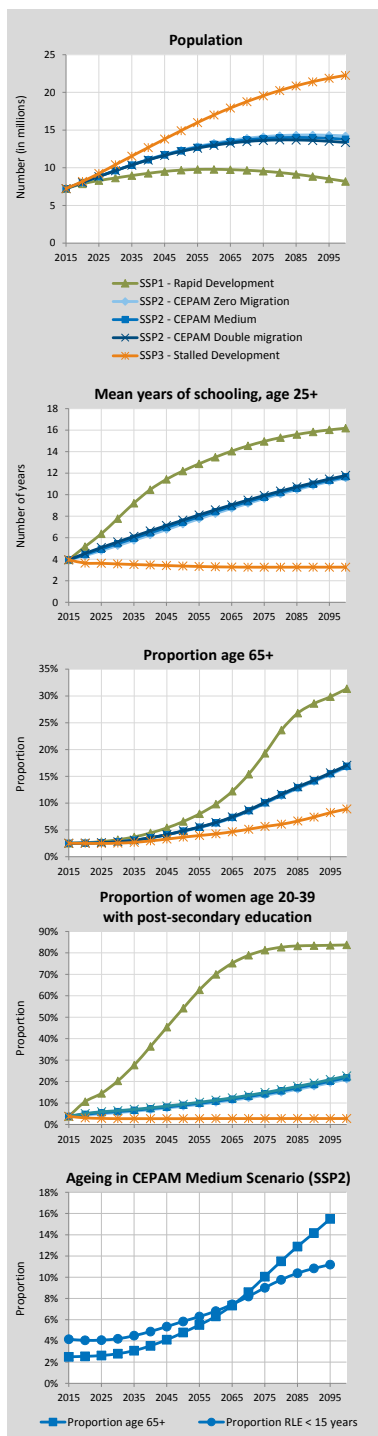
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



Sierra Leone (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	7.24	7.87	8.64	9.69	9.79	9.54	8.20
SSP2 - CEPAM Zero Migration	7.24	8.05	9.63	12.33	13.26	14.13	14.23
SSP2 - CEPAM Medium	7.24	8.05	9.62	12.25	13.13	13.88	13.80
SSP2 - CEPAM Double Migration	7.24	8.05	9.61	12.17	12.98	13.63	13.36
SSP3 - Stalled Development	7.24	8.18	10.40	14.93	17.01	19.55	22.26
Proportion age 65+							
SSP1 - Rapid Development	2.5%	2.6%	3.2%	6.6%	9.8%	19.3%	31.3%
SSP2 - CEPAM Zero Migration	2.5%	2.5%	2.8%	4.8%	6.2%	9.9%	16.7%
SSP2 - CEPAM Medium	2.5%	2.5%	2.8%	4.8%	6.3%	10.1%	16.9%
SSP2 - CEPAM Double Migration	2.5%	2.5%	2.8%	4.8%	6.4%	10.2%	17.0%
SSP3 - Stalled Development	2.5%	2.5%	2.5%	3.7%	4.3%	5.6%	8.9%
Proportion below age 20							
SSP1 - Rapid Development	53.6%	50.7%	40.1%	27.0%	23.3%	18.9%	14.9%
SSP2 - CEPAM Zero Migration	53.6%	51.9%	46.8%	37.1%	33.0%	28.6%	23.8%
SSP2 - CEPAM Medium	53.6%	51.9%	46.7%	37.1%	33.0%	28.6%	23.8%
SSP2 - CEPAM Double Migration	53.6%	51.9%	46.7%	37.1%	33.0%	28.6%	23.8%
SSP3 - Stalled Development	53.6%	52.8%	51.1%	45.0%	41.6%	37.0%	32.5%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	3.8%	10.7%	20.3%	54.2%	70.0%	81.3%	83.7%
SSP2 - CEPAM Zero Migration	3.8%	4.4%	5.5%	8.5%	10.3%	13.6%	21.1%
SSP2 - CEPAM Medium	3.8%	4.7%	6.0%	9.0%	10.8%	14.2%	21.8%
SSP2 - CEPAM Double Migration	3.8%	5.1%	6.4%	9.4%	11.4%	14.9%	22.6%
SSP3 - Stalled Development	3.8%	3.1%	2.7%	2.7%	2.7%	2.7%	2.8%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	3.9	5.2	7.8	12.2	13.5	15.0	16.2
SSP2 - CEPAM Zero Migration	3.9	4.3	5.3	7.3	8.2	9.6	11.6
SSP2 - CEPAM Medium	3.9	4.4	5.4	7.4	8.4	9.8	11.7
SSP2 - CEPAM Double Migration	3.9	4.5	5.6	7.6	8.6	9.9	11.8
SSP3 - Stalled Development	3.9	3.6	3.6	3.4	3.3	3.3	3.3

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	3.58	2.52	1.72	1.46	1.42	1.33	1.23
SSP2 - CEPAM Zero Migration	4.24	3.69	2.96	2.16	1.98	1.82	1.68
SSP2 - CEPAM Medium	4.23	3.67	2.95	2.16	1.98	1.82	1.68
SSP2 - CEPAM Double Migration	4.22	3.65	2.95	2.16	1.98	1.82	1.68
SSP3 - Stalled Development	4.74	4.62	4.12	3.02	2.69	2.42	2.24
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	53.6	56.1	60.7	68.4	72.0	77.3	84.5
SSP2 - CEPAM Zero Migration	52.9	54.3	56.9	62.3	65.1	69.1	74.6
SSP2 - CEPAM Medium	52.9	54.3	57.0	62.4	65.1	69.2	74.6
SSP2 - CEPAM Double Migration	52.9	54.3	57.0	62.5	65.2	69.2	74.6
SSP3 - Stalled Development	52.3	52.8	54.0	56.2	57.4	59.4	62.5
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	3.3	0.9	-1.0	-3.8	-3.7	-2.3	1.5
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	3.3	-0.4	-8.1	-21.7	-26.3	-30.5	-31.2
SSP2 - CEPAM Double Migration	6.6	-1.2	-17.3	-44.8	-53.5	-60.6	-59.5
SSP3 - Stalled Development	2.2	-0.3	0.0	0.0	0.0	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	18.3	19.1	21.6	27.3	30.1	34.3	38.8
Proportion age 65+	2.5%	2.5%	2.8%	4.8%	6.3%	10.1%	15.5%
Proportion RLE < 15 years	4.2%	4.1%	4.3%	5.7%	6.7%	8.7%	10.8%

Singapore

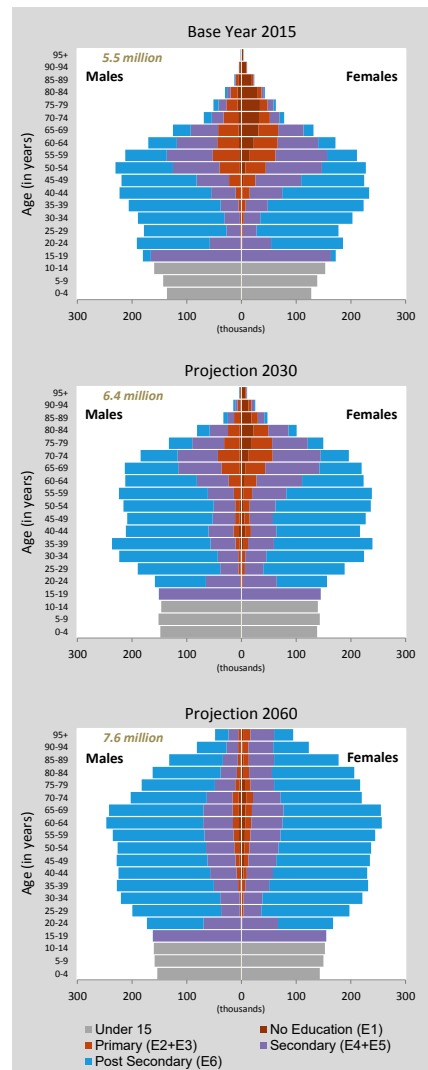
Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	5.54	5.83	6.41	6.89	7.26	7.58
Proportion age 65+	11.7%	15.0%	22.1%	26.8%	29.1%	30.9%
Proportion below age 20	21.9%	19.7%	18.2%	17.6%	16.7%	16.3%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	1.30	1.35	1.38	1.40	1.42	1.42
Life expectancy at birth (in years)						
Male	81.3	82.1	84.0	85.7	87.5	88.4
Female	85.2	86.2	88.1	90.0	91.9	93.8
Five-year net-migration flow (in thousands)	178.9	189.9	209.2	225.7	239.0	243.8

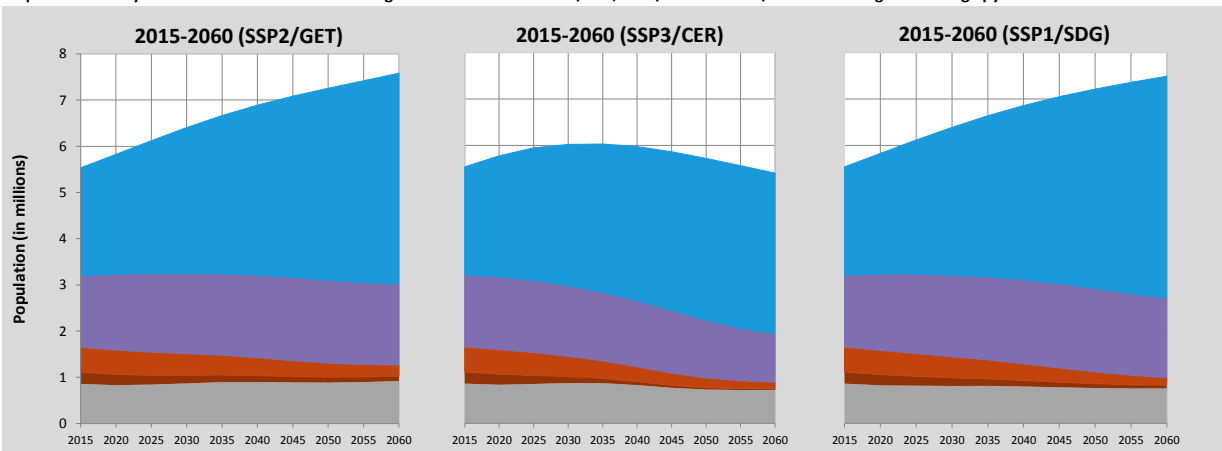
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	6.4%	5.3%	3.5%	2.5%	2.0%	1.8%
E2 - incomplete primary	6.9%	6.0%	4.3%	3.0%	2.0%	1.4%
E3 - primary	6.5%	6.1%	5.1%	4.1%	3.2%	2.6%
E4 - lower secondary	9.7%	9.3%	8.1%	6.9%	5.7%	4.6%
E5 - upper secondary	18.6%	18.7%	18.6%	18.4%	17.8%	17.2%
E6 - post-secondary	51.8%	54.6%	60.3%	65.1%	69.3%	72.4%
Mean years of schooling (in years)	11.6	11.8	12.2	12.5	12.6	12.7
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.25	0.26	0.32	0.45	0.59	0.65
E2 - incomplete primary	1.27	1.18	1.01	0.89	0.82	0.81
E3 - primary	0.93	0.91	0.86	0.84	0.85	0.91
E4 - lower secondary	1.06	1.03	0.98	0.92	0.88	0.90
E5 - upper secondary	0.89	0.89	0.89	0.90	0.92	0.97
E6 - post-secondary	1.17	1.15	1.12	1.09	1.06	1.03
Mean years of schooling (male minus female)	0.5	0.5	0.3	0.2	0.1	0.1
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	0.1%	1.0%	1.1%	1.0%	0.8%	0.5%
E2 - incomplete primary	0.7%	0.9%	0.7%	0.6%	0.4%	0.3%
E3 - primary	0.9%	1.5%	1.5%	1.3%	1.1%	1.0%
E4 - lower secondary	2.8%	3.3%	2.8%	2.4%	2.1%	1.8%
E5 - upper secondary	16.0%	18.5%	19.6%	20.1%	20.4%	20.0%
E6 - post-secondary	79.5%	74.8%	74.5%	74.6%	75.1%	76.4%
Mean years of schooling (in years)	13.1	12.7	12.7	12.7	12.8	12.9

Education scenarios
 SSP2/GET: Global Education Trend Scenario (Medium assumption)
 SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)
 SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

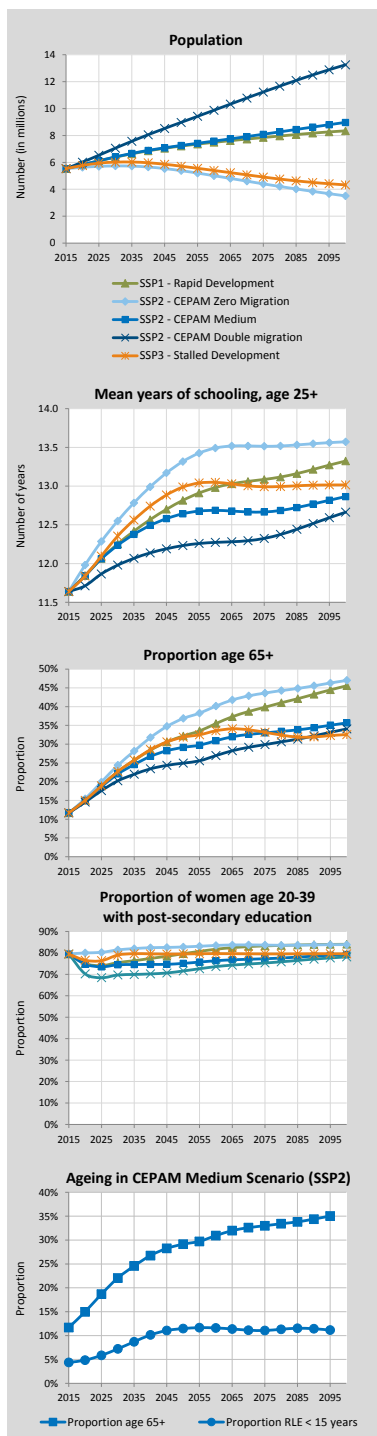
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Singapore (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	5.54	5.82	6.39	7.21	7.49	7.85	8.34
SSP2 - CEPAM Zero Migration	5.54	5.63	5.74	5.39	5.01	4.41	3.51
SSP2 - CEPAM Medium	5.54	5.83	6.41	7.26	7.58	8.09	8.97
SSP2 - CEPAM Double Migration	5.54	6.02	7.06	8.97	9.88	11.23	13.25
SSP3 - Stalled Development	5.54	5.77	6.02	5.72	5.40	4.91	4.33
Proportion age 65+							
SSP1 - Rapid Development	11.7%	15.1%	22.7%	32.2%	35.5%	39.9%	45.6%
SSP2 - CEPAM Zero Migration	11.7%	15.4%	24.4%	36.9%	40.2%	43.6%	47.0%
SSP2 - CEPAM Medium	11.7%	15.0%	22.1%	29.1%	30.9%	33.0%	35.7%
SSP2 - CEPAM Double Migration	11.7%	14.5%	20.2%	24.9%	27.0%	29.9%	34.1%
SSP3 - Stalled Development	11.7%	15.0%	22.7%	31.9%	33.6%	33.2%	32.6%
Proportion below age 20							
SSP1 - Rapid Development	21.9%	19.6%	17.3%	14.6%	13.7%	13.1%	12.1%
SSP2 - CEPAM Zero Migration	21.9%	19.6%	17.1%	14.3%	13.5%	13.2%	12.7%
SSP2 - CEPAM Medium	21.9%	19.7%	18.2%	16.7%	16.3%	16.3%	15.9%
SSP2 - CEPAM Double Migration	21.9%	19.8%	19.0%	17.9%	17.5%	17.2%	16.4%
SSP3 - Stalled Development	21.9%	19.9%	19.1%	17.6%	17.8%	18.7%	19.4%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	79.5%	75.0%	75.5%	79.6%	81.7%	83.3%	84.0%
SSP2 - CEPAM Zero Migration	79.5%	80.0%	81.4%	82.8%	83.5%	83.7%	83.9%
SSP2 - CEPAM Medium	79.5%	74.8%	74.5%	75.1%	76.4%	77.3%	79.3%
SSP2 - CEPAM Double Migration	79.5%	70.2%	69.7%	71.6%	73.6%	75.3%	78.1%
SSP3 - Stalled Development	79.5%	76.6%	79.0%	79.5%	79.7%	79.5%	79.6%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	11.6	11.8	12.3	12.8	13.0	13.1	13.3
SSP2 - CEPAM Zero Migration	11.6	12.0	12.5	13.3	13.5	13.5	13.6
SSP2 - CEPAM Medium	11.6	11.8	12.2	12.6	12.7	12.7	12.9
SSP2 - CEPAM Double Migration	11.6	11.7	12.0	12.2	12.3	12.3	12.7
SSP3 - Stalled Development	11.6	11.8	12.4	13.0	13.0	13.0	13.0

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.25	1.25	1.22	1.23	1.24	1.27	1.32
SSP2 - CEPAM Zero Migration	1.28	1.33	1.36	1.40	1.42	1.45	1.50
SSP2 - CEPAM Medium	1.30	1.35	1.38	1.42	1.43	1.46	1.51
SSP2 - CEPAM Double Migration	1.31	1.37	1.40	1.42	1.44	1.47	1.51
SSP3 - Stalled Development	1.38	1.52	1.64	1.74	1.76	1.81	1.87
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	85.7	87.2	90.1	95.9	98.8	103.1	109.0
SSP2 - CEPAM Zero Migration	85.2	86.2	88.1	92.0	94.0	96.9	100.7
SSP2 - CEPAM Medium	85.2	86.2	88.1	91.9	93.8	96.6	100.4
SSP2 - CEPAM Double Migration	85.2	86.2	88.1	91.8	93.6	96.4	100.3
SSP3 - Stalled Development	84.7	85.2	86.1	88.0	88.9	90.2	92.0
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	179.1	188.9	201.9	217.0	216.7	207.3	181.0
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	178.9	189.9	209.2	239.0	247.0	249.5	238.8
SSP2 - CEPAM Double Migration	357.8	374.6	400.8	433.1	435.2	421.0	379.9
SSP3 - Stalled Development	119.2	64.2	0.2	0.3	0.3	0.4	0.4

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	40.0	42.0	45.0	49.3	50.0	50.7	52.2
Proportion age 65+	11.7%	15.0%	22.1%	29.1%	30.9%	33.0%	35.0%
Proportion RLE < 15 years	4.4%	4.7%	6.6%	11.1%	11.7%	11.1%	11.2%

Solomon Islands

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)	2015	2020	2030	2040	2050	2060
Population (in millions)	0.59	0.65	0.78	0.90	1.00	1.07
Proportion age 65+	3.4%	3.6%	4.5%	6.4%	8.4%	10.3%
Proportion below age 20	50.3%	47.7%	41.3%	36.0%	32.3%	28.7%
Total Fertility Rate	3.59	3.14	2.59	2.23	2.01	1.94
Life expectancy at birth (in years)						
Male	69.6	70.3	71.5	72.7	73.9	74.5
Female	72.8	73.4	74.8	76.1	77.5	78.9
Five-year net-migration flow (in thousands)	-2.2	-2.6	-3.1	-3.7	-4.1	-4.3

Human Capital indicators, CEPAM Medium Scenario (SSP2)	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	18.7%	15.6%	10.3%	6.6%	4.2%	2.5%
E2 - incomplete primary	18.0%	15.8%	11.5%	8.0%	5.4%	3.5%
E3 - primary	33.4%	33.3%	31.5%	27.3%	22.5%	17.6%
E4 - lower secondary	12.8%	14.8%	18.9%	21.8%	23.1%	22.9%
E5 - upper secondary	10.2%	12.6%	17.9%	24.0%	29.9%	35.7%
E6 - post-secondary	6.9%	7.8%	9.8%	12.2%	14.8%	17.9%
Mean years of schooling (in years)	6.2	6.6	7.5	8.4	9.0	9.6
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.46	0.44	0.42	0.42	0.43	0.45
E2 - incomplete primary	0.86	0.84	0.82	0.81	0.80	0.81
E3 - primary	1.09	1.06	0.99	0.94	0.91	0.90
E4 - lower secondary	1.33	1.24	1.10	1.03	0.99	0.96
E5 - upper secondary	1.75	1.61	1.39	1.27	1.20	1.15
E6 - post-secondary	1.87	1.68	1.39	1.21	1.10	1.02
Mean years of schooling (male minus female)	0.8	0.8	0.6	0.4	0.3	0.2
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	10.6%	7.8%	3.5%	1.7%	0.7%	0.2%
E2 - incomplete primary	14.2%	10.5%	5.2%	2.6%	1.2%	0.4%
E3 - primary	31.6%	29.9%	26.0%	18.7%	11.7%	6.4%
E4 - lower secondary	18.2%	20.8%	24.8%	25.6%	23.7%	19.4%
E5 - upper secondary	18.2%	22.1%	28.8%	36.3%	44.0%	50.3%
E6 - post-secondary	7.4%	8.9%	11.8%	15.1%	18.8%	23.2%
Mean years of schooling (in years)	6.7	7.5	8.7	9.6	10.2	10.8

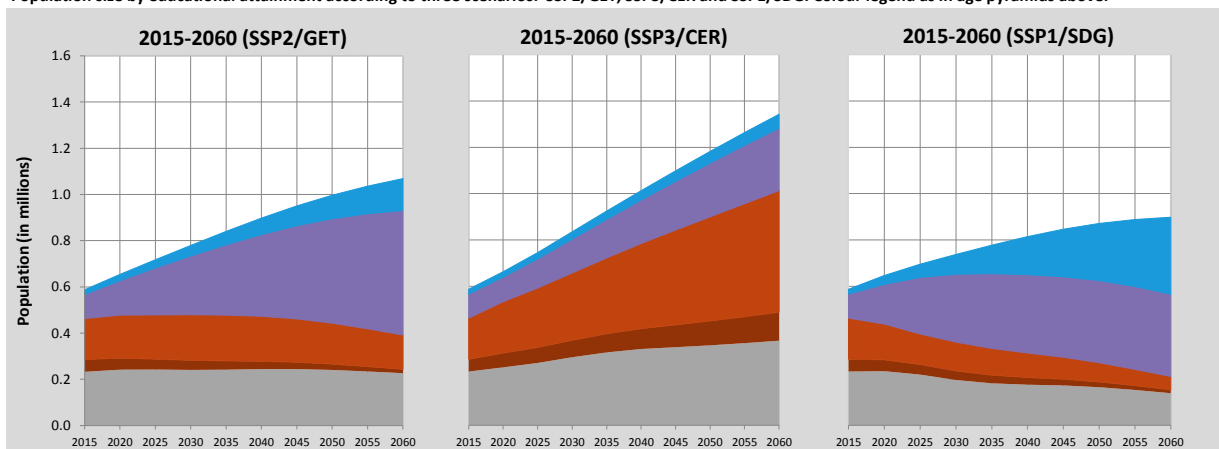
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

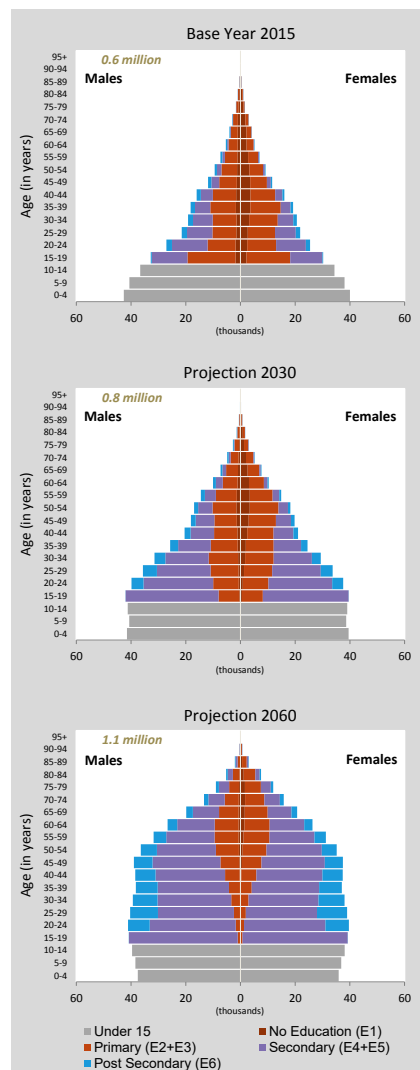
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

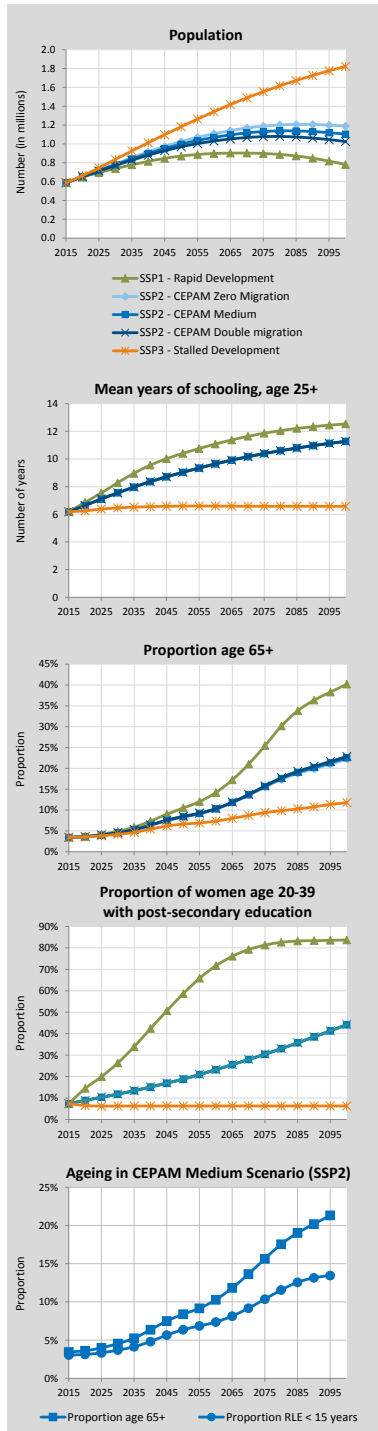
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



Solomon Islands (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)

	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	0.59	0.65	0.74	0.87	0.90	0.90	0.78
SSP2 - CEPAM Zero Migration	0.59	0.66	0.79	1.02	1.11	1.19	1.19
SSP2 - CEPAM Medium	0.59	0.65	0.78	1.00	1.07	1.13	1.10
SSP2 - CEPAM Double Migration	0.59	0.65	0.77	0.97	1.03	1.08	1.03
SSP3 - Stalled Development	0.59	0.66	0.84	1.18	1.34	1.55	1.82
Proportion age 65+							
SSP1 - Rapid Development	3.4%	3.7%	4.9%	10.5%	14.2%	25.4%	40.2%
SSP2 - CEPAM Zero Migration	3.4%	3.6%	4.5%	8.3%	10.2%	15.5%	22.2%
SSP2 - CEPAM Medium	3.4%	3.6%	4.5%	8.4%	10.3%	15.6%	22.5%
SSP2 - CEPAM Double Migration	3.4%	3.6%	4.6%	8.5%	10.3%	15.8%	22.9%
SSP3 - Stalled Development	3.4%	3.5%	4.2%	6.6%	7.3%	9.4%	11.8%
Proportion below age 20							
SSP1 - Rapid Development	50.3%	47.1%	37.6%	25.6%	21.6%	16.7%	12.5%
SSP2 - CEPAM Zero Migration	50.3%	47.7%	41.2%	32.1%	28.5%	24.7%	21.0%
SSP2 - CEPAM Medium	50.3%	47.7%	41.3%	32.3%	28.7%	24.8%	21.0%
SSP2 - CEPAM Double Migration	50.3%	47.8%	41.5%	32.4%	28.8%	24.9%	21.1%
SSP3 - Stalled Development	50.3%	48.4%	45.0%	38.5%	35.7%	33.1%	31.0%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	7.4%	14.5%	26.4%	58.7%	71.7%	81.3%	83.7%
SSP2 - CEPAM Zero Migration	7.4%	8.8%	11.7%	18.8%	23.1%	30.4%	44.1%
SSP2 - CEPAM Medium	7.4%	8.9%	11.8%	18.8%	23.2%	30.4%	44.2%
SSP2 - CEPAM Double Migration	7.4%	8.9%	11.9%	18.9%	23.2%	30.5%	44.2%
SSP3 - Stalled Development	7.4%	6.5%	6.2%	6.3%	6.3%	6.3%	6.3%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	6.2	6.9	8.3	10.4	11.1	11.9	12.5
SSP2 - CEPAM Zero Migration	6.2	6.6	7.5	9.0	9.6	10.4	11.3
SSP2 - CEPAM Medium	6.2	6.6	7.5	9.0	9.6	10.4	11.3
SSP2 - CEPAM Double Migration	6.2	6.6	7.5	9.0	9.6	10.4	11.3
SSP3 - Stalled Development	6.2	6.2	6.5	6.6	6.6	6.6	6.6

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	3.26	2.55	1.87	1.44	1.37	1.29	1.22
SSP2 - CEPAM Zero Migration	3.59	3.14	2.59	2.01	1.88	1.76	1.66
SSP2 - CEPAM Medium	3.59	3.14	2.59	2.01	1.88	1.76	1.66
SSP2 - CEPAM Double Migration	3.59	3.14	2.59	2.02	1.88	1.76	1.66
SSP3 - Stalled Development	3.97	3.84	3.45	2.69	2.53	2.43	2.38
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	73.3	74.6	77.0	81.7	84.1	88.0	92.9
SSP2 - CEPAM Zero Migration	72.8	73.4	74.8	77.5	78.9	80.9	83.6
SSP2 - CEPAM Medium	72.8	73.4	74.8	77.5	78.9	80.9	83.6
SSP2 - CEPAM Double Migration	72.8	73.4	74.8	77.5	78.9	80.9	83.6
SSP3 - Stalled Development	72.2	72.2	72.3	72.2	72.1	72.0	72.3
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-2.2	-2.5	-2.9	-3.5	-3.7	-3.7	-3.2
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-2.2	-2.6	-3.1	-4.1	-4.5	-4.7	-4.6
SSP2 - CEPAM Double Migration	-4.5	-5.1	-6.2	-8.0	-8.6	-8.9	-8.4
SSP3 - Stalled Development	-1.5	-0.8	0.0	0.0	0.0	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	19.9	21.2	24.4	31.3	34.4	38.7	43.2
Proportion age 65+	3.4%	3.6%	4.5%	8.4%	10.3%	15.6%	21.3%
Proportion RLE < 15 years	2.8%	2.9%	3.5%	6.4%	7.4%	9.9%	13.3%

Somalia

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	13.91	16.16	20.88	25.73	30.24	33.99
Proportion age 65+	2.7%	2.8%	3.1%	3.5%	4.2%	5.6%
Proportion below age 20	57.7%	56.6%	53.0%	47.8%	42.6%	37.3%
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	5.84	5.05	3.94	3.12	2.56	2.36
Life expectancy at birth (in years)						
Male	55.3	56.4	58.5	60.7	62.8	63.9
Female	58.7	59.8	62.1	64.3	66.6	68.9
Five-year net-migration flow (in thousands)	-31.2	-54.3	-105.7	-161.7	-215.2	-239.1

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	55.2%	50.4%	41.6%	33.4%	26.0%	19.7%
E2 - incomplete primary	21.0%	20.1%	18.5%	16.3%	14.1%	11.8%
E3 - primary	4.8%	6.2%	8.8%	10.8%	12.1%	12.8%
E4 - lower secondary	9.8%	11.6%	15.2%	18.7%	21.2%	22.7%
E5 - upper secondary	7.0%	8.9%	12.4%	16.5%	21.5%	27.1%
E6 - post-secondary	2.2%	2.8%	3.5%	4.2%	5.0%	6.0%
Mean years of schooling (in years)	2.9	3.5	4.5	5.5	6.5	7.4
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.63	0.63	0.64	0.68	0.71	0.74
E2 - incomplete primary	1.71	1.64	1.50	1.37	1.30	1.25
E3 - primary	1.25	1.17	1.06	0.95	0.88	0.85
E4 - lower secondary	1.43	1.26	1.05	0.94	0.88	0.84
E5 - upper secondary	2.55	2.09	1.64	1.38	1.23	1.14
E6 - post-secondary	4.99	3.42	2.97	2.85	2.79	2.75
Mean years of schooling (male minus female)	0.9	0.9	0.8	0.7	0.6	0.5
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	46.1%	40.3%	31.1%	23.1%	15.9%	9.9%
E2 - incomplete primary	22.1%	19.8%	16.5%	13.5%	10.7%	7.7%
E3 - primary	7.5%	9.3%	12.0%	13.2%	13.8%	13.5%
E4 - lower secondary	13.1%	15.5%	19.8%	23.0%	24.4%	24.5%
E5 - upper secondary	9.2%	12.3%	17.1%	22.9%	30.0%	38.0%
E6 - post-secondary	2.0%	2.8%	3.4%	4.2%	5.2%	6.4%
Mean years of schooling (in years)	3.0	3.8	5.1	6.3	7.5	8.6

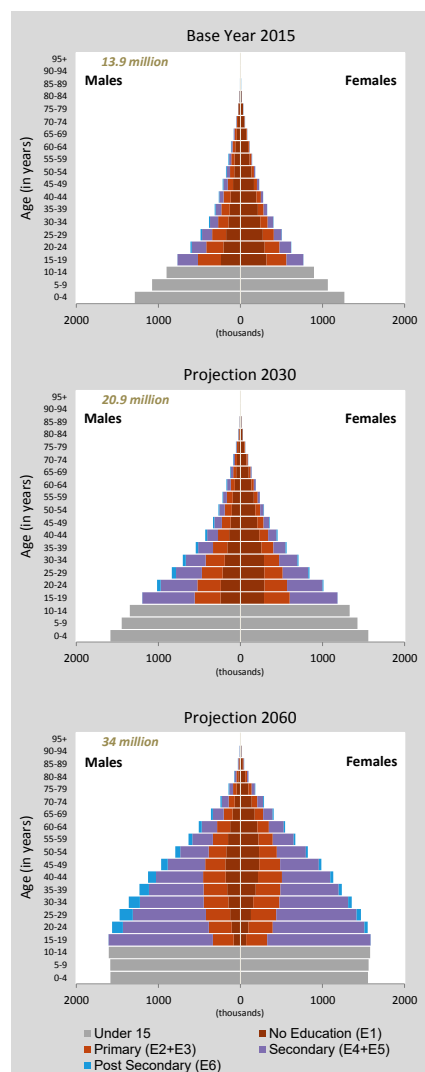
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

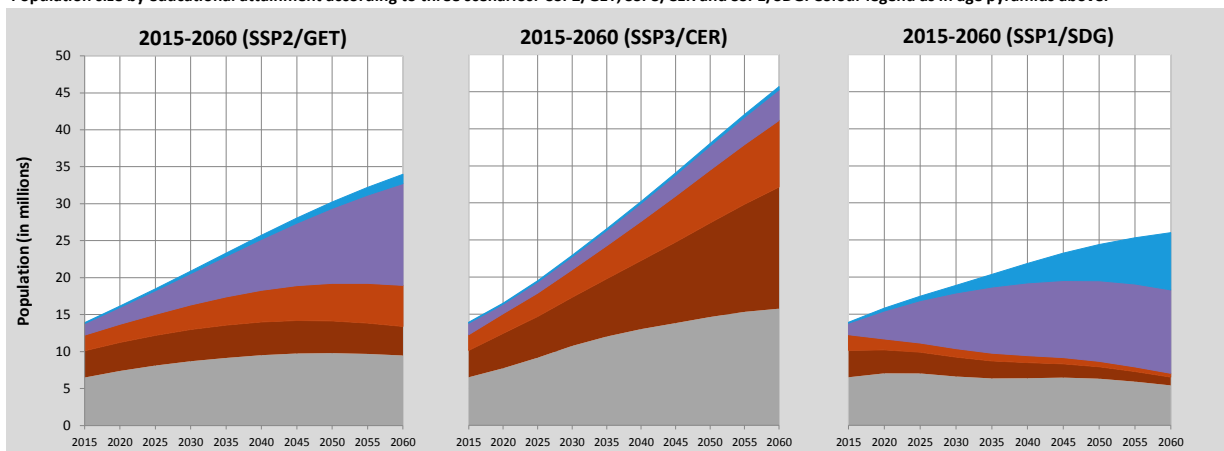
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

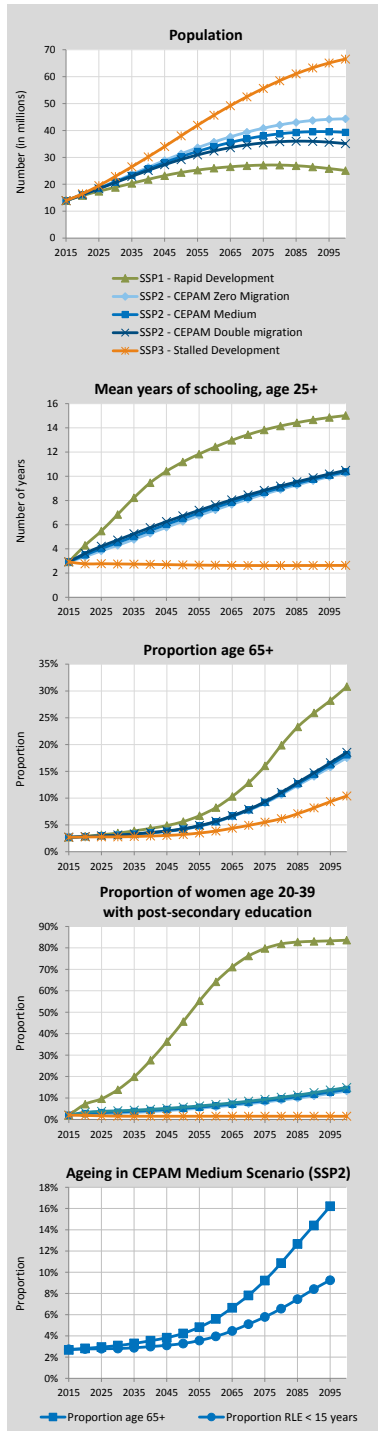
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Somalia (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)

	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	13.91	15.81	18.88	24.38	25.99	27.13	25.12
SSP2 - CEPAM Zero Migration	13.91	16.21	21.12	31.31	35.70	40.84	44.33
SSP2 - CEPAM Medium	13.91	16.16	20.88	30.24	33.99	37.96	39.31
SSP2 - CEPAM Double Migration	13.91	16.12	20.64	29.21	32.39	35.38	35.11
SSP3 - Stalled Development	13.91	16.49	22.93	38.01	45.68	55.64	66.54
Proportion age 65+							
SSP1 - Rapid Development	2.7%	2.9%	3.5%	5.6%	8.2%	16.0%	30.8%
SSP2 - CEPAM Zero Migration	2.7%	2.8%	3.1%	4.2%	5.5%	9.1%	17.5%
SSP2 - CEPAM Medium	2.7%	2.8%	3.1%	4.2%	5.6%	9.2%	18.1%
SSP2 - CEPAM Double Migration	2.7%	2.8%	3.1%	4.3%	5.7%	9.3%	18.5%
SSP3 - Stalled Development	2.7%	2.8%	2.8%	3.2%	3.9%	5.5%	10.4%
Proportion below age 20							
SSP1 - Rapid Development	57.7%	55.6%	47.6%	34.3%	28.9%	22.2%	15.3%
SSP2 - CEPAM Zero Migration	57.7%	56.6%	52.9%	42.4%	37.0%	30.6%	23.5%
SSP2 - CEPAM Medium	57.7%	56.6%	53.0%	42.6%	37.3%	30.7%	23.5%
SSP2 - CEPAM Double Migration	57.7%	56.6%	53.1%	42.9%	37.5%	30.9%	23.5%
SSP3 - Stalled Development	57.7%	57.5%	57.1%	49.4%	44.7%	38.0%	31.2%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	2.0%	7.1%	13.9%	45.6%	64.2%	79.7%	83.6%
SSP2 - CEPAM Zero Migration	2.0%	2.3%	2.9%	4.7%	5.9%	8.1%	13.2%
SSP2 - CEPAM Medium	2.0%	2.8%	3.4%	5.2%	6.4%	8.7%	14.0%
SSP2 - CEPAM Double Migration	2.0%	3.3%	4.0%	5.7%	7.0%	9.4%	14.9%
SSP3 - Stalled Development	2.0%	1.9%	1.5%	1.5%	1.5%	1.5%	1.5%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	2.9	4.3	6.8	11.2	12.4	13.8	15.0
SSP2 - CEPAM Zero Migration	2.9	3.4	4.3	6.3	7.2	8.5	10.3
SSP2 - CEPAM Medium	2.9	3.5	4.5	6.5	7.4	8.7	10.4
SSP2 - CEPAM Double Migration	2.9	3.6	4.7	6.7	7.6	8.8	10.5
SSP3 - Stalled Development	2.9	2.8	2.8	2.7	2.6	2.6	2.6

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	5.13	3.82	2.62	1.83	1.63	1.44	1.25
SSP2 - CEPAM Zero Migration	5.85	5.07	3.95	2.55	2.20	1.91	1.68
SSP2 - CEPAM Medium	5.84	5.05	3.94	2.56	2.20	1.91	1.68
SSP2 - CEPAM Double Migration	5.83	5.04	3.94	2.56	2.21	1.91	1.68
SSP3 - Stalled Development	6.49	6.24	5.34	3.45	2.91	2.50	2.25
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	59.4	61.7	66.0	72.8	75.9	80.6	86.9
SSP2 - CEPAM Zero Migration	58.6	59.8	62.0	66.5	68.8	72.3	76.9
SSP2 - CEPAM Medium	58.7	59.8	62.1	66.6	68.9	72.3	76.9
SSP2 - CEPAM Double Migration	58.7	59.9	62.1	66.7	69.0	72.4	76.9
SSP3 - Stalled Development	58.0	58.3	58.9	60.2	60.8	61.9	63.8
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-31.2	-50.3	-82.6	-147.1	-167.9	-185.9	-178.2
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-31.2	-54.3	-105.7	-215.2	-260.8	-309.7	-329.0
SSP2 - CEPAM Double Migration	-62.4	-108.3	-207.6	-407.9	-484.0	-555.2	-557.1
SSP3 - Stalled Development	-20.8	-19.1	-0.1	-0.3	-0.4	-0.5	-0.6

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	16.5	17.0	18.7	23.9	27.1	32.2	38.7
Proportion age 65+	2.7%	2.8%	3.1%	4.2%	5.6%	9.2%	16.2%
Proportion RLE < 15 years	2.6%	2.6%	2.7%	3.3%	3.9%	5.7%	9.1%

South Africa

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	55.30	58.60	63.84	67.81	70.55	71.93
Proportion age 65+	5.1%	5.9%	7.5%	9.2%	11.6%	14.3%
Proportion below age 20	38.6%	37.4%	34.6%	31.1%	28.7%	26.6%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	2.38	2.21	2.01	1.86	1.75	1.71
Life expectancy at birth (in years)						
Male	60.2	61.0	62.6	64.2	65.8	66.6
Female	67.2	67.9	69.1	70.4	71.6	72.9
Five-year net-migration flow (in thousands)	345.8	366.4	404.2	436.8	463.4	473.9

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	7.5%	6.0%	3.7%	2.2%	1.3%	0.8%
E2 - incomplete primary	10.9%	9.2%	6.0%	3.7%	2.2%	1.3%
E3 - primary	11.1%	9.8%	7.5%	5.4%	3.7%	2.5%
E4 - lower secondary	25.2%	25.2%	24.4%	22.1%	18.9%	15.4%
E5 - upper secondary	36.9%	40.7%	47.7%	53.8%	58.7%	61.8%
E6 - post-secondary	8.4%	9.2%	10.8%	12.7%	15.2%	18.1%
Mean years of schooling (in years)	9.6	10.0	10.6	11.2	11.6	11.9
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.73	0.71	0.69	0.68	0.71	0.75
E2 - incomplete primary	0.97	0.97	0.94	0.93	0.95	1.03
E3 - primary	0.97	0.96	0.93	0.93	0.94	0.96
E4 - lower secondary	1.03	1.03	1.04	1.04	1.04	1.04
E5 - upper secondary	1.06	1.05	1.04	1.04	1.03	1.04
E6 - post-secondary	1.01	0.98	0.94	0.90	0.88	0.87
Mean years of schooling (male minus female)	0.2	0.1	0.1	0.0	0.0	0.0
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	2.1%	1.6%	0.6%	0.3%	0.1%	0.1%
E2 - incomplete primary	4.8%	3.5%	1.4%	0.5%	0.2%	0.1%
E3 - primary	7.6%	6.0%	3.3%	1.7%	0.9%	0.4%
E4 - lower secondary	30.3%	26.8%	21.1%	15.6%	10.7%	6.5%
E5 - upper secondary	47.6%	52.7%	61.5%	66.6%	69.1%	69.7%
E6 - post-secondary	7.5%	9.3%	12.2%	15.2%	19.0%	23.3%
Mean years of schooling (in years)	10.8	11.1	11.7	12.1	12.4	12.7

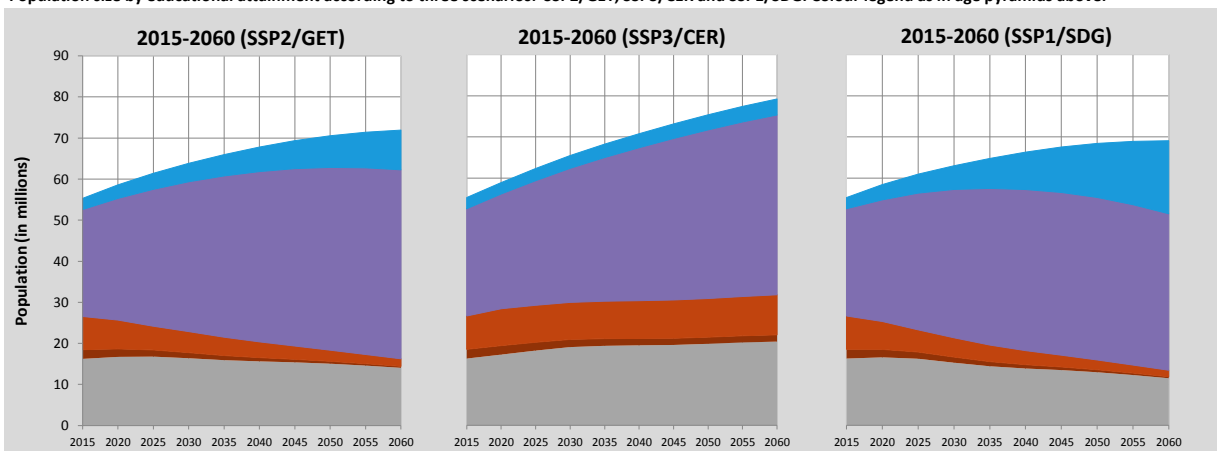
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

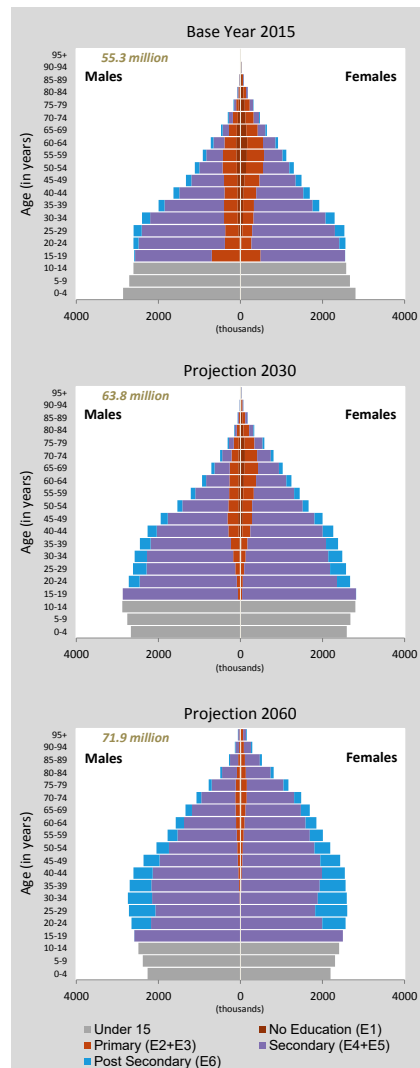
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

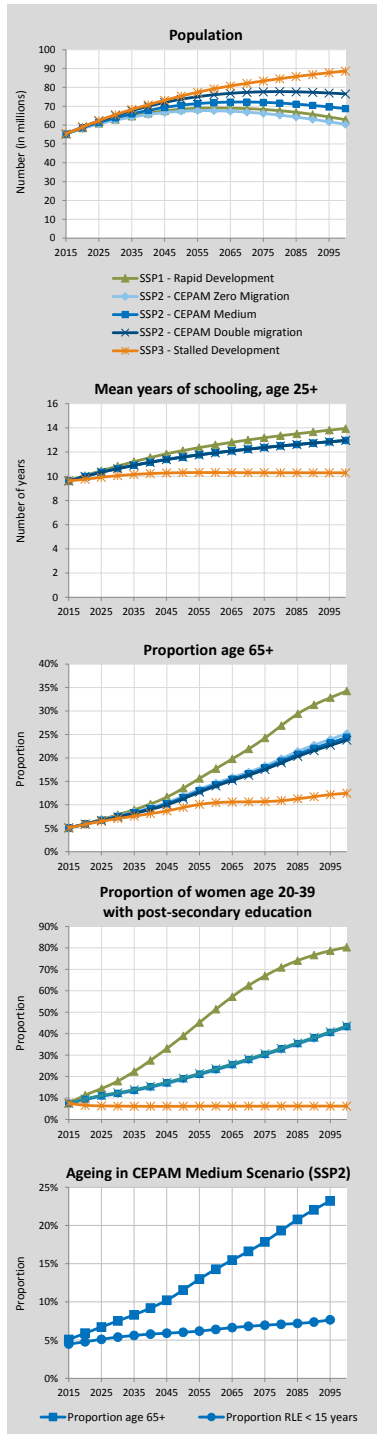
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



South Africa (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	55.30	58.45	63.01	68.44	69.09	68.30	62.88
SSP2 - CEPAM Zero Migration	55.30	58.22	62.59	67.32	67.62	66.17	60.42
SSP2 - CEPAM Medium	55.30	58.60	63.84	70.55	71.93	72.06	68.75
SSP2 - CEPAM Double Migration	55.30	58.97	65.08	73.70	76.09	77.68	76.55
SSP3 - Stalled Development	55.30	58.94	65.50	75.38	79.22	83.41	88.70
Proportion age 65+							
SSP1 - Rapid Development	5.1%	6.0%	7.9%	13.5%	17.7%	24.2%	34.3%
SSP2 - CEPAM Zero Migration	5.1%	5.9%	7.6%	11.9%	14.6%	18.3%	25.2%
SSP2 - CEPAM Medium	5.1%	5.9%	7.5%	11.6%	14.3%	17.9%	24.4%
SSP2 - CEPAM Double Migration	5.1%	5.9%	7.4%	11.3%	14.0%	17.5%	23.8%
SSP3 - Stalled Development	5.1%	5.8%	7.1%	9.4%	10.5%	10.7%	12.5%
Proportion below age 20							
SSP1 - Rapid Development	38.6%	37.1%	33.2%	25.6%	22.9%	19.3%	15.9%
SSP2 - CEPAM Zero Migration	38.6%	37.4%	34.7%	28.9%	26.7%	23.9%	21.0%
SSP2 - CEPAM Medium	38.6%	37.4%	34.6%	28.7%	26.6%	23.8%	21.0%
SSP2 - CEPAM Double Migration	38.6%	37.3%	34.4%	28.6%	26.5%	23.8%	21.1%
SSP3 - Stalled Development	38.6%	37.9%	37.6%	34.8%	34.0%	32.5%	31.4%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	7.5%	11.4%	17.9%	39.0%	51.4%	66.9%	80.3%
SSP2 - CEPAM Zero Migration	7.5%	9.1%	11.9%	18.7%	23.0%	30.0%	43.1%
SSP2 - CEPAM Medium	7.5%	9.3%	12.2%	19.0%	23.3%	30.3%	43.3%
SSP2 - CEPAM Double Migration	7.5%	9.5%	12.4%	19.3%	23.6%	30.6%	43.6%
SSP3 - Stalled Development	7.5%	6.6%	6.2%	6.2%	6.2%	6.2%	6.2%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	9.6	10.1	10.8	12.1	12.6	13.2	13.9
SSP2 - CEPAM Zero Migration	9.6	10.0	10.6	11.6	12.0	12.4	13.0
SSP2 - CEPAM Medium	9.6	10.0	10.6	11.6	11.9	12.4	13.0
SSP2 - CEPAM Double Migration	9.6	10.0	10.6	11.6	11.9	12.4	13.0
SSP3 - Stalled Development	9.6	9.8	10.0	10.3	10.3	10.3	10.3

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	2.29	2.04	1.77	1.50	1.44	1.39	1.38
SSP2 - CEPAM Zero Migration	2.38	2.21	2.01	1.75	1.68	1.62	1.60
SSP2 - CEPAM Medium	2.38	2.21	2.01	1.75	1.68	1.62	1.60
SSP2 - CEPAM Double Migration	2.38	2.21	2.01	1.75	1.68	1.62	1.60
SSP3 - Stalled Development	2.59	2.63	2.57	2.33	2.25	2.20	2.21
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	67.8	68.9	71.2	75.8	78.1	81.5	86.0
SSP2 - CEPAM Zero Migration	67.2	67.9	69.1	71.6	72.9	74.8	77.3
SSP2 - CEPAM Medium	67.2	67.9	69.1	71.6	72.9	74.8	77.3
SSP2 - CEPAM Double Migration	67.2	67.9	69.1	71.6	72.9	74.8	77.3
SSP3 - Stalled Development	66.7	66.7	66.7	67.0	67.1	67.3	67.7
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	346.1	364.8	391.8	425.5	428.8	419.6	385.5
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	345.8	366.4	404.2	463.4	482.2	496.4	493.3
SSP2 - CEPAM Double Migration	691.5	729.1	796.7	898.8	929.1	948.5	934.1
SSP3 - Stalled Development	230.4	123.2	0.4	0.5	0.6	0.6	0.7

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	26.1	27.2	29.3	33.7	35.9	38.8	42.5
Proportion age 65+	5.1%	5.9%	7.5%	11.6%	14.3%	17.9%	23.2%
Proportion RLE < 15 years	3.8%	4.1%	5.1%	6.3%	7.0%	8.1%	9.0%

South Korea

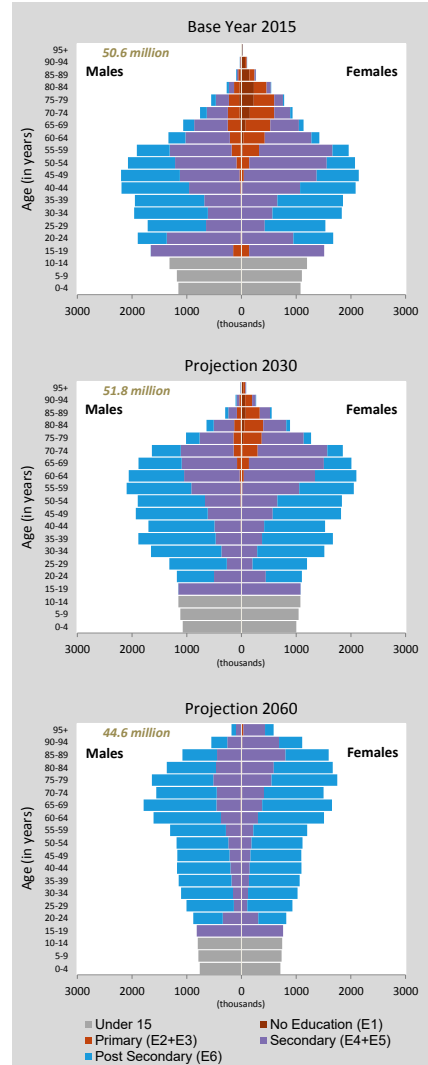
Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	50.59	51.28	51.78	50.70	48.06	44.58
Proportion age 65+	13.0%	15.7%	24.2%	32.2%	37.3%	40.4%
Proportion below age 20	20.2%	18.1%	16.8%	15.5%	13.9%	13.7%
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	1.29	1.34	1.37	1.40	1.42	1.42
Life expectancy at birth (in years)						
Male	79.3	80.3	82.2	84.1	86.0	86.9
Female	85.3	86.3	88.2	90.2	92.1	94.0
Five-year net-migration flow (in thousands)	14.7	23.7	42.5	63.9	87.0	97.8

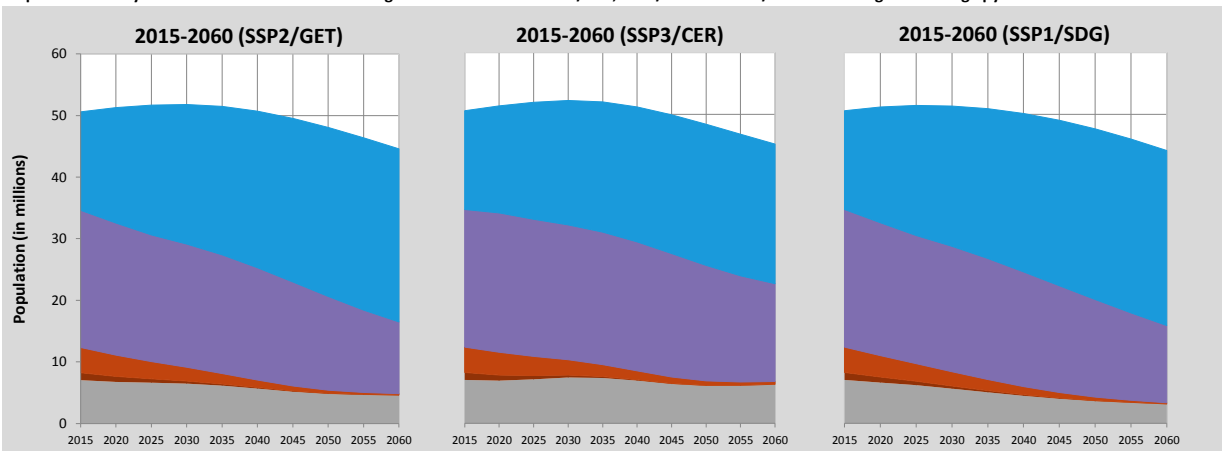
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	3.3%	2.3%	1.0%	0.5%	0.3%	0.3%
E2 - incomplete primary	0.8%	0.6%	0.4%	0.2%	0.1%	0.1%
E3 - primary	9.5%	7.9%	5.1%	2.7%	1.1%	0.4%
E4 - lower secondary	9.0%	8.1%	6.4%	4.6%	2.5%	1.1%
E5 - upper secondary	37.4%	36.5%	34.8%	32.8%	29.3%	24.5%
E6 - post-secondary	40.0%	44.5%	52.3%	59.2%	66.6%	73.6%
Mean years of schooling (in years)	11.9	12.3	12.9	13.3	13.7	14.0
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.23	0.23	0.29	0.50	0.75	0.84
E2 - incomplete primary	0.38	0.37	0.41	0.58	0.90	1.17
E3 - primary	0.54	0.50	0.43	0.39	0.44	0.79
E4 - lower secondary	0.81	0.77	0.66	0.57	0.53	0.71
E5 - upper secondary	1.04	1.02	0.97	0.93	0.90	0.92
E6 - post-secondary	1.31	1.26	1.19	1.14	1.09	1.04
Mean years of schooling (male minus female)	0.6	0.5	0.4	0.2	0.1	0.0
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
E2 - incomplete primary	0.0%	0.0%	0.1%	0.1%	0.1%	0.1%
E3 - primary	0.3%	0.2%	0.1%	0.2%	0.2%	0.2%
E4 - lower secondary	1.2%	0.5%	0.3%	0.3%	0.3%	0.3%
E5 - upper secondary	39.4%	33.6%	24.7%	22.1%	19.9%	18.1%
E6 - post-secondary	59.1%	65.5%	74.7%	77.3%	79.5%	81.4%
Mean years of schooling (in years)	13.7	13.9	14.1	14.2	14.3	14.3

Education scenarios
 SSP2/GET: Global Education Trend Scenario (Medium assumption)
 SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)
 SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

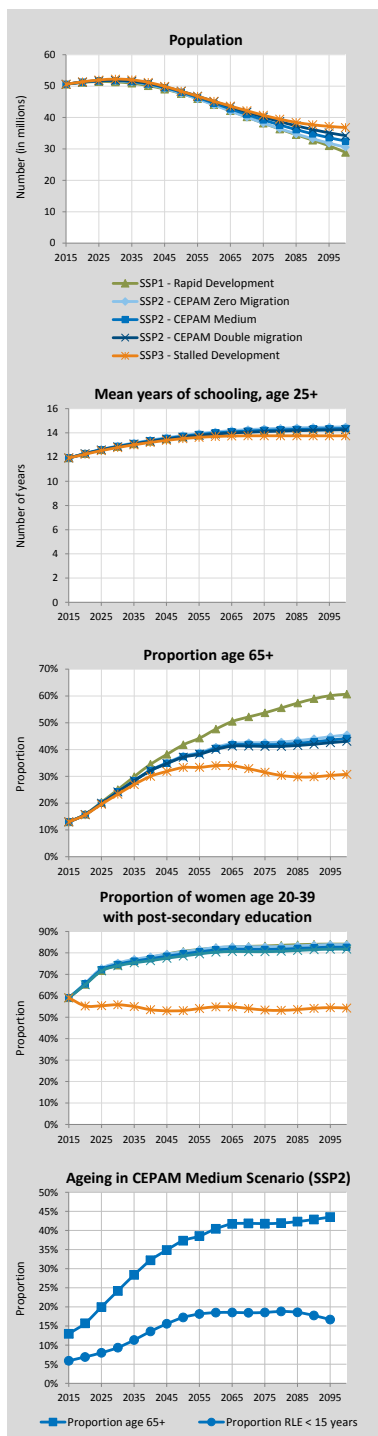
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



South Korea (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	50.59	51.19	51.34	47.66	44.15	38.22	28.92
SSP2 - CEPAM Zero Migration	50.59	51.26	51.70	47.70	44.00	38.24	30.56
SSP2 - CEPAM Medium	50.59	51.28	51.78	48.06	44.58	39.26	32.52
SSP2 - CEPAM Double Migration	50.59	51.29	51.86	48.39	45.11	40.17	34.23
SSP3 - Stalled Development	50.59	51.37	52.25	48.40	45.19	40.75	36.81
Proportion age 65+							
SSP1 - Rapid Development	13.0%	15.8%	25.0%	41.8%	47.6%	53.7%	60.6%
SSP2 - CEPAM Zero Migration	13.0%	15.7%	24.2%	37.6%	40.9%	42.6%	45.5%
SSP2 - CEPAM Medium	13.0%	15.7%	24.2%	37.3%	40.4%	41.8%	44.1%
SSP2 - CEPAM Double Migration	13.0%	15.7%	24.2%	37.1%	40.1%	41.1%	43.1%
SSP3 - Stalled Development	13.0%	15.6%	23.3%	33.3%	34.0%	31.5%	30.8%
Proportion below age 20							
SSP1 - Rapid Development	20.2%	17.8%	15.3%	10.7%	9.7%	8.6%	7.7%
SSP2 - CEPAM Zero Migration	20.2%	18.1%	16.8%	13.9%	13.6%	13.7%	13.5%
SSP2 - CEPAM Medium	20.2%	18.1%	16.8%	13.9%	13.7%	13.9%	13.7%
SSP2 - CEPAM Double Migration	20.2%	18.1%	16.8%	14.0%	13.8%	14.0%	14.0%
SSP3 - Stalled Development	20.2%	18.4%	18.5%	17.3%	18.2%	19.8%	20.7%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	59.1%	65.3%	74.3%	80.8%	82.4%	83.3%	84.1%
SSP2 - CEPAM Zero Migration	59.1%	65.9%	75.4%	80.5%	82.5%	82.9%	83.8%
SSP2 - CEPAM Medium	59.1%	65.5%	74.7%	79.5%	81.4%	81.6%	82.6%
SSP2 - CEPAM Double Migration	59.1%	65.2%	74.0%	78.6%	80.4%	80.6%	81.8%
SSP3 - Stalled Development	59.1%	55.3%	55.8%	53.1%	54.9%	53.4%	54.3%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	11.9	12.3	12.9	13.7	13.9	14.2	14.4
SSP2 - CEPAM Zero Migration	11.9	12.3	12.9	13.8	14.1	14.3	14.5
SSP2 - CEPAM Medium	11.9	12.3	12.9	13.7	14.0	14.2	14.4
SSP2 - CEPAM Double Migration	11.9	12.3	12.8	13.6	13.9	14.1	14.3
SSP3 - Stalled Development	11.9	12.2	12.8	13.5	13.7	13.8	13.8

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.20	1.16	1.08	1.06	1.07	1.10	1.13
SSP2 - CEPAM Zero Migration	1.29	1.34	1.37	1.42	1.43	1.46	1.51
SSP2 - CEPAM Medium	1.29	1.34	1.37	1.42	1.43	1.46	1.51
SSP2 - CEPAM Double Migration	1.29	1.35	1.38	1.42	1.43	1.46	1.51
SSP3 - Stalled Development	1.39	1.56	1.70	1.81	1.83	1.87	1.93
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	85.8	87.3	90.3	96.1	99.0	103.4	107.3
SSP2 - CEPAM Zero Migration	85.3	86.3	88.2	92.1	94.1	97.0	100.8
SSP2 - CEPAM Medium	85.3	86.3	88.2	92.1	94.0	96.9	100.8
SSP2 - CEPAM Double Migration	85.3	86.3	88.2	92.1	94.0	96.9	100.8
SSP3 - Stalled Development	84.8	85.3	86.2	88.1	89.0	90.3	92.2
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	14.7	22.8	37.4	69.9	83.9	98.3	105.6
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	14.7	23.7	42.5	87.0	107.4	129.5	143.6
SSP2 - CEPAM Double Migration	29.4	46.3	81.2	164.3	201.8	241.8	264.4
SSP3 - Stalled Development	9.8	8.4	0.0	0.1	0.1	0.2	0.2

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	40.8	43.5	48.2	55.8	57.7	57.9	59.5
Proportion age 65+	13.0%	15.7%	24.2%	37.3%	40.4%	41.8%	43.5%
Proportion RLE < 15 years	6.1%	7.0%	8.8%	17.0%	18.6%	18.0%	17.0%

South Sudan

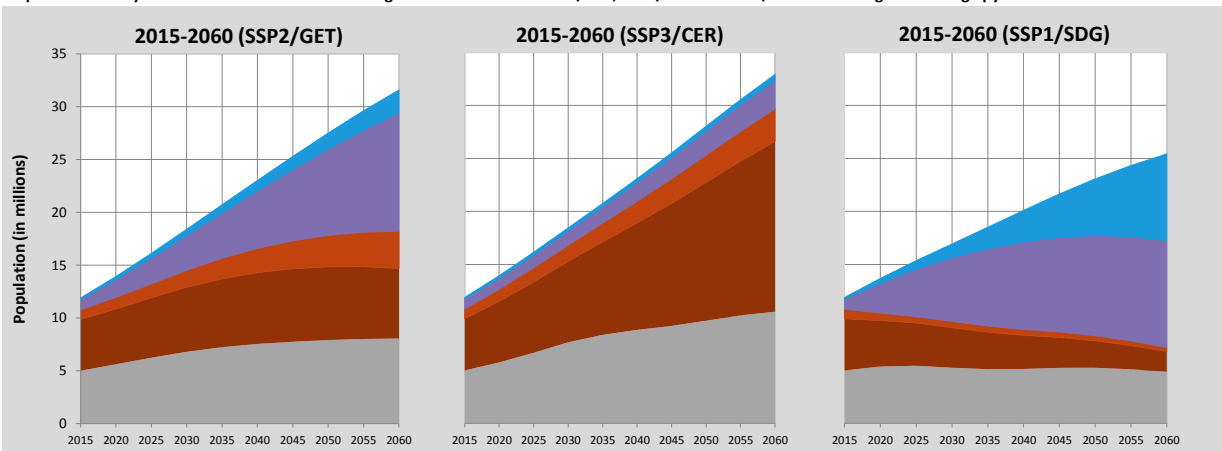
Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	11.88	13.92	18.39	23.02	27.50	31.58
Proportion age 65+	3.5%	3.4%	3.7%	4.6%	5.9%	8.2%
Proportion below age 20	53.1%	50.8%	47.0%	42.6%	37.9%	33.8%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	4.69	4.14	3.38	2.79	2.38	2.24
Life expectancy at birth (in years)						
Male	56.5	58.7	62.4	65.2	67.2	68.0
Female	58.6	61.0	65.2	68.4	70.9	73.0
Five-year net-migration flow (in thousands)	422.7	425.1	415.6	393.8	364.3	346.9

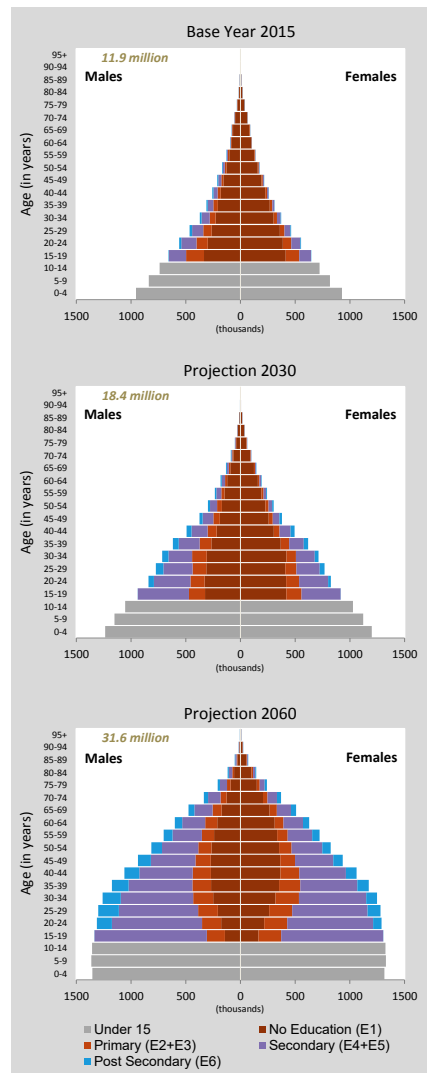
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	77.1%	68.3%	57.2%	48.5%	40.2%	32.4%
E2 - incomplete primary	0.2%	1.1%	2.1%	2.5%	2.7%	2.7%
E3 - primary	9.5%	10.3%	11.2%	11.6%	12.2%	12.4%
E4 - lower secondary	0.5%	2.4%	4.7%	6.4%	7.6%	8.6%
E5 - upper secondary	10.1%	13.5%	18.3%	22.9%	28.0%	33.2%
E6 - post-secondary	2.6%	4.5%	6.5%	8.0%	9.3%	10.7%
Mean years of schooling (in years)	2.2	3.1	4.3	5.2	6.1	7.0
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.80	0.78	0.75	0.74	0.73	0.73
E2 - incomplete primary	3.24	2.56	2.34	1.74	1.50	1.27
E3 - primary	1.76	1.55	1.34	1.19	1.06	0.98
E4 - lower secondary	1.18	1.19	1.16	1.12	1.09	1.05
E5 - upper secondary	2.58	1.94	1.55	1.37	1.27	1.19
E6 - post-secondary	3.60	1.81	1.51	1.44	1.41	1.41
Mean years of schooling (male minus female)	0.9	0.9	0.8	0.7	0.7	0.6
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	67.8%	57.7%	48.2%	39.3%	29.5%	20.5%
E2 - incomplete primary	0.5%	1.8%	2.7%	2.9%	2.8%	2.3%
E3 - primary	12.7%	12.3%	12.3%	12.5%	13.0%	13.0%
E4 - lower secondary	1.4%	4.1%	6.5%	7.9%	9.0%	9.7%
E5 - upper secondary	14.8%	19.0%	24.1%	30.1%	37.0%	44.1%
E6 - post-secondary	2.8%	5.1%	6.3%	7.4%	8.7%	10.4%
Mean years of schooling (in years)	2.1	3.3	4.4	5.4	6.6	7.8

Education scenarios
 SSP2/GET: Global Education Trend Scenario (Medium assumption)
 SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)
 SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

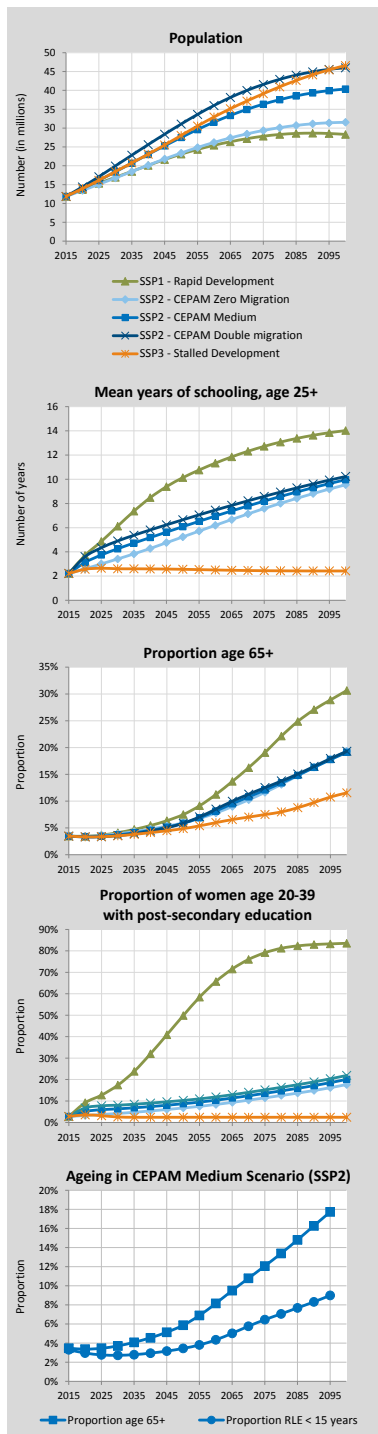
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



South Sudan (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	11.88	13.68	16.93	23.07	25.43	27.84	28.32
SSP2 - CEPAM Zero Migration	11.88	13.45	16.76	23.38	26.19	29.36	31.54
SSP2 - CEPAM Medium	11.88	13.92	18.39	27.50	31.58	36.34	40.37
SSP2 - CEPAM Double Migration	11.88	14.39	19.95	31.07	36.00	41.58	46.01
SSP3 - Stalled Development	11.88	13.94	18.45	28.04	32.94	39.12	46.62
Proportion age 65+							
SSP1 - Rapid Development	3.5%	3.4%	4.1%	7.5%	11.2%	19.0%	30.6%
SSP2 - CEPAM Zero Migration	3.5%	3.4%	3.9%	5.9%	7.8%	11.6%	19.3%
SSP2 - CEPAM Medium	3.5%	3.4%	3.7%	5.9%	8.2%	12.1%	19.1%
SSP2 - CEPAM Double Migration	3.5%	3.3%	3.6%	5.9%	8.5%	12.5%	19.3%
SSP3 - Stalled Development	3.5%	3.3%	3.5%	4.9%	6.0%	7.5%	11.5%
Proportion below age 20							
SSP1 - Rapid Development	53.1%	49.9%	42.0%	30.3%	26.2%	21.1%	16.2%
SSP2 - CEPAM Zero Migration	53.1%	51.7%	48.2%	38.9%	34.6%	29.2%	23.9%
SSP2 - CEPAM Medium	53.1%	50.8%	47.0%	37.9%	33.8%	28.8%	24.0%
SSP2 - CEPAM Double Migration	53.1%	50.0%	46.1%	37.2%	33.4%	28.7%	24.0%
SSP3 - Stalled Development	53.1%	51.7%	51.3%	44.8%	41.6%	36.4%	32.1%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	2.8%	9.2%	17.4%	49.8%	65.7%	79.2%	83.6%
SSP2 - CEPAM Zero Migration	2.8%	3.2%	4.2%	6.8%	8.4%	11.5%	17.7%
SSP2 - CEPAM Medium	2.8%	5.1%	6.3%	8.7%	10.4%	13.6%	20.1%
SSP2 - CEPAM Double Migration	2.8%	6.8%	8.0%	10.3%	11.9%	15.2%	21.9%
SSP3 - Stalled Development	2.8%	3.5%	2.5%	2.4%	2.4%	2.4%	2.4%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	2.2	3.7	6.1	10.1	11.3	12.7	14.0
SSP2 - CEPAM Zero Migration	2.2	2.6	3.4	5.2	6.2	7.6	9.5
SSP2 - CEPAM Medium	2.2	3.1	4.3	6.1	7.0	8.2	10.0
SSP2 - CEPAM Double Migration	2.2	3.6	4.9	6.6	7.5	8.6	10.2
SSP3 - Stalled Development	2.2	2.6	2.6	2.6	2.5	2.4	2.4

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	4.15	3.18	2.25	1.74	1.60	1.45	1.35
SSP2 - CEPAM Zero Migration	4.74	4.21	3.41	2.38	2.11	1.91	1.81
SSP2 - CEPAM Medium	4.69	4.14	3.38	2.38	2.12	1.92	1.81
SSP2 - CEPAM Double Migration	4.64	4.09	3.36	2.39	2.13	1.92	1.81
SSP3 - Stalled Development	5.13	4.96	4.42	3.14	2.75	2.48	2.42
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	59.2	62.7	68.7	76.7	79.6	83.5	88.3
SSP2 - CEPAM Zero Migration	58.5	60.8	64.8	70.6	72.7	75.3	78.2
SSP2 - CEPAM Medium	58.6	61.0	65.2	70.9	73.0	75.5	78.3
SSP2 - CEPAM Double Migration	58.6	61.2	65.4	71.2	73.2	75.7	78.4
SSP3 - Stalled Development	58.0	59.6	62.2	65.0	65.5	65.7	65.5
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	423.2	426.2	420.0	378.0	346.4	295.3	231.3
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	422.7	425.1	415.6	364.3	328.5	274.9	213.0
SSP2 - CEPAM Double Migration	845.5	831.2	768.5	585.4	480.5	342.6	203.1
SSP3 - Stalled Development	281.6	143.4	0.4	0.4	0.4	0.4	0.4

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	18.6	19.6	21.7	26.9	29.9	34.2	39.1
Proportion age 65+	3.5%	3.4%	3.7%	5.9%	8.2%	12.1%	17.7%
Proportion RLE < 15 years	3.3%	3.0%	2.7%	3.3%	4.1%	6.2%	8.7%

Sri Lanka

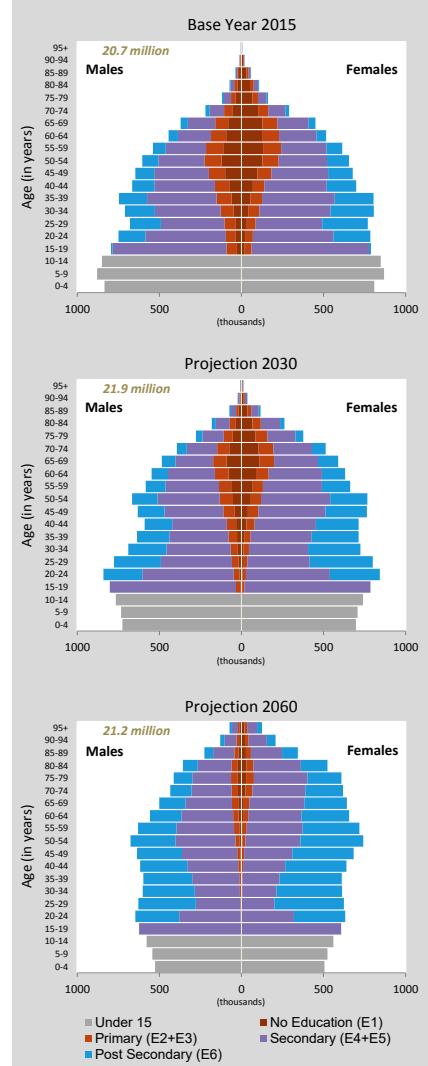
Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	20.71	21.25	21.89	22.11	21.85	21.18
Proportion age 65+	9.3%	11.2%	15.3%	18.5%	22.2%	24.6%
Proportion below age 20	32.2%	31.0%	27.2%	25.0%	23.4%	21.1%
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	2.01	1.94	1.83	1.74	1.67	1.64
Life expectancy at birth (in years)						
Male	72.2	73.4	75.6	77.8	80.0	81.2
Female	78.9	79.9	82.0	84.0	86.1	88.1
Five-year net-migration flow (in thousands)	-281.4	-287.6	-293.6	-294.5	-289.4	-284.7

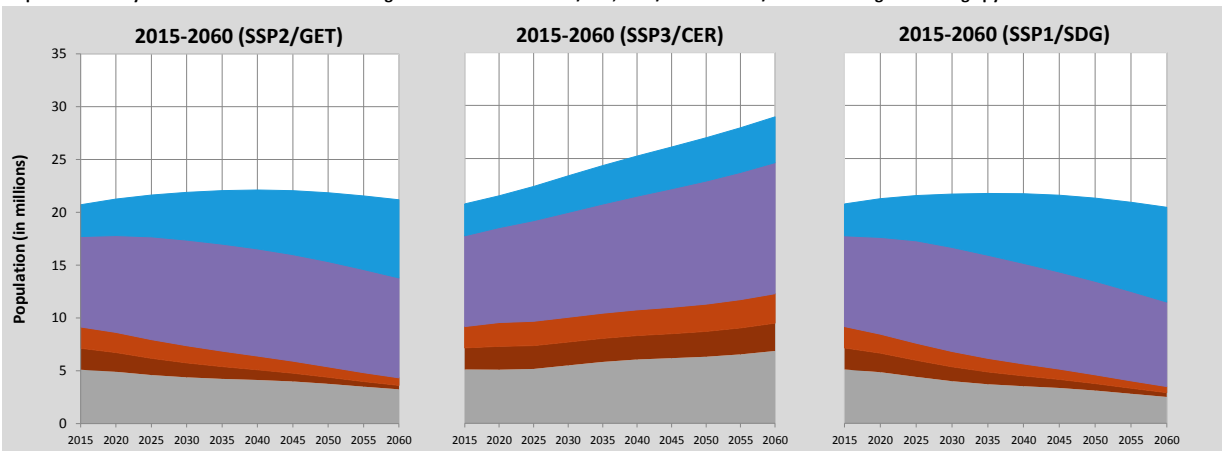
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	15.5%	13.3%	9.4%	6.3%	4.1%	2.4%
E2 - incomplete primary	3.0%	2.6%	2.0%	1.5%	1.1%	0.7%
E3 - primary	11.5%	10.6%	8.7%	6.8%	5.2%	3.8%
E4 - lower secondary	23.5%	23.3%	22.5%	20.9%	18.6%	15.8%
E5 - upper secondary	25.9%	27.1%	29.4%	31.2%	32.4%	33.0%
E6 - post-secondary	20.8%	23.0%	27.9%	33.3%	38.7%	44.2%
Mean years of schooling (in years)	9.9	10.4	11.3	12.2	12.9	13.6
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.91	0.93	0.97	1.01	1.04	1.09
E2 - incomplete primary	1.31	1.29	1.23	1.20	1.17	1.14
E3 - primary	1.14	1.15	1.18	1.21	1.26	1.29
E4 - lower secondary	1.12	1.14	1.16	1.19	1.21	1.25
E5 - upper secondary	0.99	0.99	1.01	1.04	1.07	1.10
E6 - post-secondary	0.85	0.84	0.83	0.82	0.82	0.83
Mean years of schooling (male minus female)	-0.1	-0.1	-0.2	-0.2	-0.3	-0.3
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	5.5%	4.3%	2.0%	1.0%	0.4%	0.1%
E2 - incomplete primary	1.5%	1.2%	0.8%	0.4%	0.2%	0.1%
E3 - primary	7.3%	6.3%	4.1%	2.6%	1.5%	0.7%
E4 - lower secondary	24.6%	21.9%	17.6%	13.8%	9.7%	6.5%
E5 - upper secondary	32.8%	35.0%	38.2%	38.6%	38.6%	37.1%
E6 - post-secondary	28.3%	31.3%	37.3%	43.6%	49.6%	55.5%
Mean years of schooling (in years)	12.4	12.8	13.6	14.2	14.8	15.2

Education scenarios
 SSP2/GET: Global Education Trend Scenario (Medium assumption)
 SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)
 SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

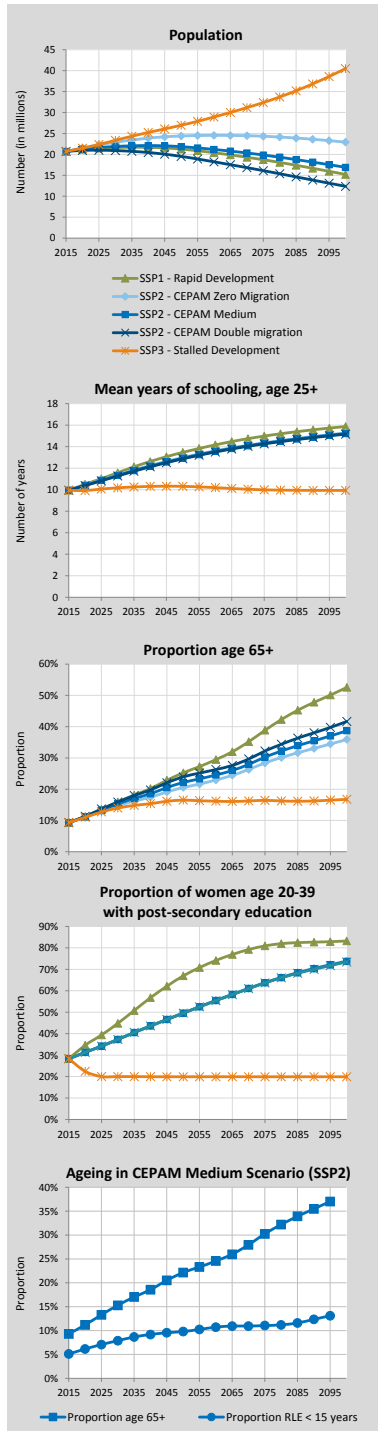
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Sri Lanka (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)	2015 2020 2030 2050 2060 2075 2100						
	Population (in millions)						
SSP1 - Rapid Development	20.71	21.21	21.65	21.26	20.40	18.72	15.22
SSP2 - CEPAM Zero Migration	20.71	21.55	22.89	24.40	24.54	24.34	22.92
SSP2 - CEPAM Medium	20.71	21.25	21.89	21.85	21.18	19.85	16.91
SSP2 - CEPAM Double Migration	20.71	20.95	20.91	19.53	18.23	16.12	12.38
SSP3 - Stalled Development	20.71	21.48	23.36	26.96	28.93	32.38	40.49
Proportion age 65+							
SSP1 - Rapid Development	9.3%	11.3%	15.9%	25.2%	29.5%	38.8%	52.6%
SSP2 - CEPAM Zero Migration	9.3%	11.1%	14.7%	20.5%	23.0%	28.4%	35.9%
SSP2 - CEPAM Medium	9.3%	11.2%	15.3%	22.2%	24.6%	30.3%	38.7%
SSP2 - CEPAM Double Migration	9.3%	11.3%	15.9%	23.9%	26.3%	32.2%	41.7%
SSP3 - Stalled Development	9.3%	11.0%	14.0%	16.5%	16.2%	16.4%	16.8%
Proportion below age 20							
SSP1 - Rapid Development	32.2%	30.7%	25.7%	20.0%	17.2%	14.1%	10.8%
SSP2 - CEPAM Zero Migration	32.2%	30.9%	27.2%	23.3%	21.1%	19.0%	16.5%
SSP2 - CEPAM Medium	32.2%	31.0%	27.2%	23.4%	21.1%	18.8%	16.0%
SSP2 - CEPAM Double Migration	32.2%	31.1%	27.2%	23.4%	21.0%	18.7%	15.5%
SSP3 - Stalled Development	32.2%	31.5%	30.3%	30.8%	30.8%	31.3%	31.9%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	28.3%	34.6%	44.8%	67.0%	74.2%	80.9%	83.2%
SSP2 - CEPAM Zero Migration	28.3%	31.3%	37.3%	49.6%	55.5%	63.8%	73.9%
SSP2 - CEPAM Medium	28.3%	31.3%	37.3%	49.6%	55.5%	63.7%	73.7%
SSP2 - CEPAM Double Migration	28.3%	31.3%	37.3%	49.6%	55.4%	63.7%	73.4%
SSP3 - Stalled Development	28.3%	22.4%	20.0%	19.9%	19.9%	19.9%	19.9%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	9.9	10.5	11.6	13.5	14.2	15.0	15.9
SSP2 - CEPAM Zero Migration	9.9	10.4	11.4	13.0	13.6	14.4	15.3
SSP2 - CEPAM Medium	9.9	10.4	11.3	12.9	13.6	14.3	15.2
SSP2 - CEPAM Double Migration	9.9	10.4	11.3	12.9	13.5	14.3	15.2
SSP3 - Stalled Development	9.9	9.9	10.2	10.3	10.2	10.0	9.9

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.93	1.77	1.56	1.40	1.37	1.36	1.39
SSP2 - CEPAM Zero Migration	2.01	1.94	1.83	1.67	1.62	1.59	1.61
SSP2 - CEPAM Medium	2.01	1.94	1.83	1.67	1.62	1.59	1.61
SSP2 - CEPAM Double Migration	2.01	1.94	1.83	1.67	1.62	1.59	1.61
SSP3 - Stalled Development	2.21	2.38	2.50	2.54	2.56	2.62	2.75
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	79.4	81.0	84.0	90.1	93.2	97.8	103.9
SSP2 - CEPAM Zero Migration	78.9	79.9	82.0	86.1	88.1	91.2	95.3
SSP2 - CEPAM Medium	78.9	79.9	82.0	86.1	88.1	91.2	95.3
SSP2 - CEPAM Double Migration	78.9	79.9	82.0	86.1	88.1	91.2	95.3
SSP3 - Stalled Development	78.4	78.8	79.8	81.6	82.5	83.7	85.6
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-281.7	-287.7	-291.7	-283.6	-270.8	-247.0	-208.6
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-281.4	-287.6	-293.6	-289.4	-279.3	-260.4	-228.0
SSP2 - CEPAM Double Migration	-562.9	-566.3	-558.8	-511.8	-474.2	-415.2	-332.6
SSP3 - Stalled Development	-187.5	-96.9	-0.3	-0.3	-0.4	-0.4	-0.5

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	32.3	33.7	36.2	41.6	44.6	48.5	54.2
Proportion age 65+	9.3%	11.2%	15.3%	22.2%	24.6%	30.3%	37.0%
Proportion RLE < 15 years	5.0%	6.1%	7.9%	10.0%	11.2%	12.0%	13.6%

Sudan

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	38.65	43.06	51.66	59.78	66.67	71.86
Proportion age 65+	3.5%	3.7%	4.5%	5.5%	6.8%	8.4%
Proportion below age 20	52.4%	50.8%	46.2%	41.5%	37.4%	33.3%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	4.36	3.92	3.26	2.74	2.37	2.23
Life expectancy at birth (in years)						
Male	63.1	64.1	65.8	67.2	68.5	69.1
Female	66.4	67.6	69.7	71.6	73.3	74.8
Five-year net-migration flow (in thousands)	-566.2	-634.2	-766.0	-890.2	-994.1	-1035.9

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	52.9%	47.0%	34.8%	24.4%	16.3%	10.3%
E2 - incomplete primary	14.3%	13.4%	11.3%	8.9%	6.5%	4.6%
E3 - primary	4.1%	5.0%	6.4%	6.7%	6.2%	5.3%
E4 - lower secondary	8.6%	9.7%	11.8%	13.0%	12.7%	11.7%
E5 - upper secondary	12.0%	14.9%	21.4%	27.5%	32.4%	35.6%
E6 - post-secondary	8.1%	9.9%	14.2%	19.6%	25.8%	32.6%
Mean years of schooling (in years)	4.3	5.0	6.5	8.0	9.3	10.4
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.75	0.73	0.71	0.71	0.70	0.69
E2 - incomplete primary	1.40	1.38	1.32	1.25	1.20	1.16
E3 - primary	1.31	1.35	1.34	1.33	1.35	1.37
E4 - lower secondary	1.48	1.39	1.28	1.24	1.24	1.28
E5 - upper secondary	1.33	1.23	1.12	1.08	1.06	1.07
E6 - post-secondary	1.38	1.25	1.09	0.98	0.92	0.89
Mean years of schooling (male minus female)	0.7	0.6	0.5	0.3	0.2	0.0
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	38.0%	30.4%	17.5%	9.0%	3.8%	1.3%
E2 - incomplete primary	15.5%	12.4%	7.7%	4.7%	2.4%	1.0%
E3 - primary	4.9%	6.4%	7.7%	6.5%	4.7%	2.7%
E4 - lower secondary	11.4%	12.6%	14.3%	13.6%	11.2%	8.0%
E5 - upper secondary	19.2%	24.6%	33.7%	40.1%	43.8%	44.0%
E6 - post-secondary	11.0%	13.6%	19.1%	26.1%	34.2%	42.9%
Mean years of schooling (in years)	5.4	6.5	8.6	10.2	11.5	12.5

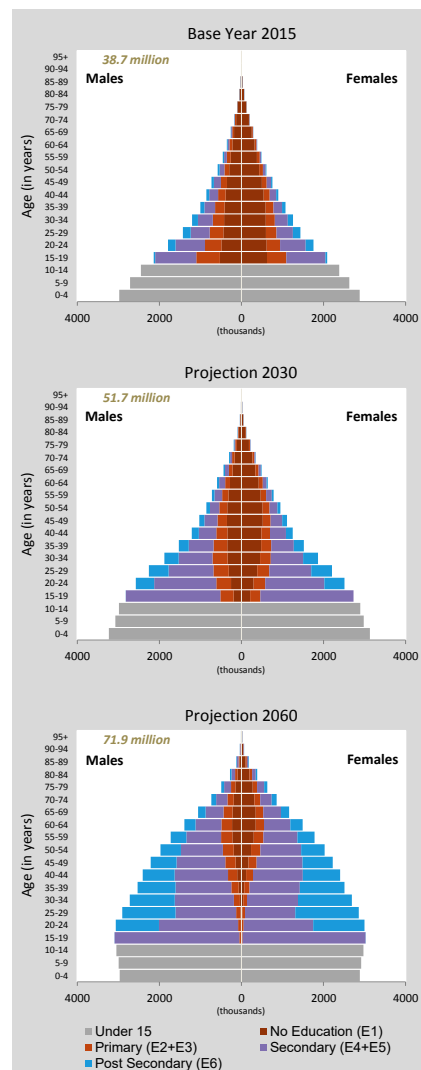
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

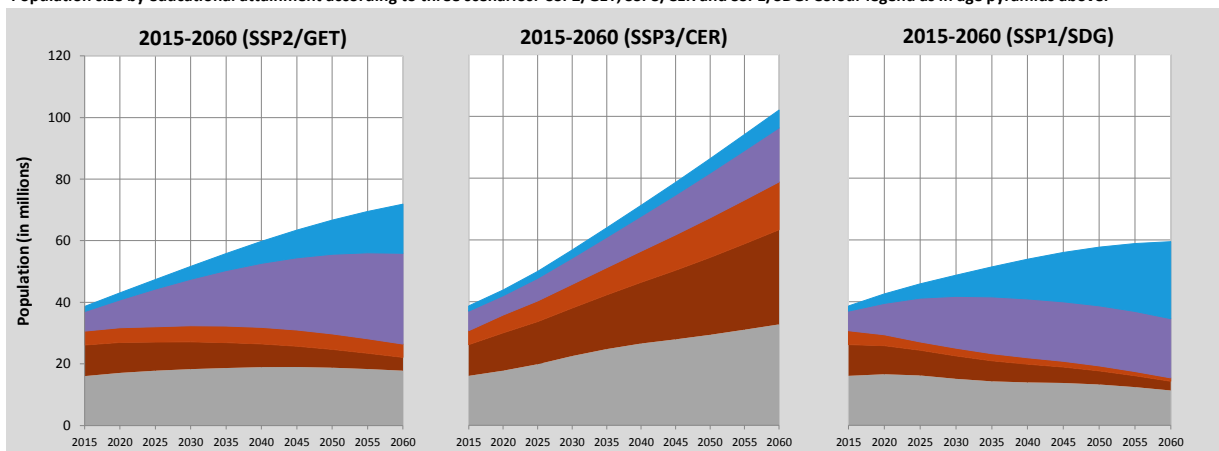
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

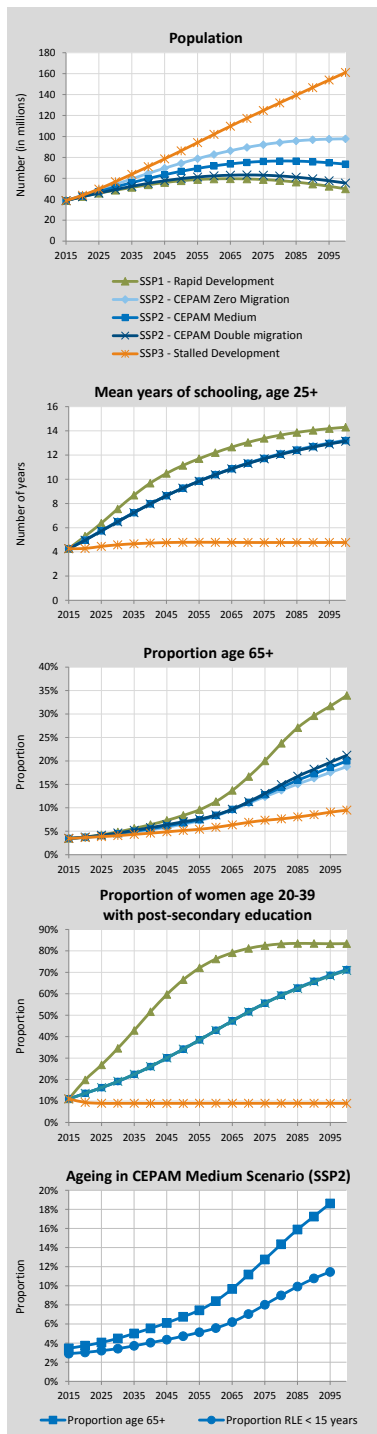
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Sudan (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)	2015 2020 2030 2050 2060 2075 2100						
	Population (in millions)						
<i>SSP1 - Rapid Development</i>	38.65	42.54	48.60	57.68	59.46	58.81	49.98
<i>SSP2 - CEPAM Zero Migration</i>	38.65	43.71	54.18	74.40	82.80	92.18	97.74
<i>SSP2 - CEPAM Medium</i>	38.65	43.06	51.66	66.67	71.86	76.16	73.56
<i>SSP2 - CEPAM Double Migration</i>	38.65	42.41	49.22	59.72	62.35	62.98	55.51
<i>SSP3 - Stalled Development</i>	38.65	43.83	56.76	86.30	102.04	124.76	161.11
Proportion age 65+							
<i>SSP1 - Rapid Development</i>	3.5%	3.8%	4.9%	8.4%	11.3%	20.0%	33.9%
<i>SSP2 - CEPAM Zero Migration</i>	3.5%	3.7%	4.4%	6.5%	8.3%	12.4%	18.8%
<i>SSP2 - CEPAM Medium</i>	3.5%	3.7%	4.5%	6.8%	8.4%	12.8%	20.0%
<i>SSP2 - CEPAM Double Migration</i>	3.5%	3.8%	4.6%	7.0%	8.5%	13.1%	21.2%
<i>SSP3 - Stalled Development</i>	3.5%	3.7%	4.1%	5.2%	5.8%	7.3%	9.5%
Proportion below age 20							
<i>SSP1 - Rapid Development</i>	52.4%	50.1%	42.5%	30.8%	26.4%	20.4%	15.1%
<i>SSP2 - CEPAM Zero Migration</i>	52.4%	50.4%	45.7%	36.9%	32.9%	28.3%	23.8%
<i>SSP2 - CEPAM Medium</i>	52.4%	50.8%	46.2%	37.4%	33.3%	28.4%	23.6%
<i>SSP2 - CEPAM Double Migration</i>	52.4%	51.1%	46.6%	37.9%	33.7%	28.5%	23.3%
<i>SSP3 - Stalled Development</i>	52.4%	51.3%	49.4%	44.0%	41.3%	38.2%	35.9%
Proportion of women age 20-39 with post-secondary education							
<i>SSP1 - Rapid Development</i>	11.0%	19.8%	34.6%	66.6%	76.2%	82.5%	83.4%
<i>SSP2 - CEPAM Zero Migration</i>	11.0%	13.5%	19.1%	34.2%	43.0%	55.7%	71.4%
<i>SSP2 - CEPAM Medium</i>	11.0%	13.6%	19.1%	34.2%	42.9%	55.6%	71.2%
<i>SSP2 - CEPAM Double Migration</i>	11.0%	13.6%	19.2%	34.2%	42.9%	55.5%	70.9%
<i>SSP3 - Stalled Development</i>	11.0%	9.3%	8.9%	8.9%	8.9%	8.9%	8.9%
Mean years of schooling, age 25+							
<i>SSP1 - Rapid Development</i>	4.3	5.3	7.6	11.1	12.2	13.4	14.3
<i>SSP2 - CEPAM Zero Migration</i>	4.3	5.0	6.5	9.3	10.4	11.7	13.2
<i>SSP2 - CEPAM Medium</i>	4.3	5.0	6.5	9.3	10.4	11.7	13.2
<i>SSP2 - CEPAM Double Migration</i>	4.3	5.0	6.5	9.3	10.4	11.7	13.1
<i>SSP3 - Stalled Development</i>	4.3	4.3	4.6	4.8	4.8	4.8	4.8

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
<i>SSP1 - Rapid Development</i>	3.98	3.22	2.39	1.73	1.57	1.42	1.36
<i>SSP2 - CEPAM Zero Migration</i>	4.36	3.92	3.26	2.37	2.12	1.91	1.81
<i>SSP2 - CEPAM Medium</i>	4.36	3.92	3.26	2.37	2.12	1.91	1.81
<i>SSP2 - CEPAM Double Migration</i>	4.36	3.92	3.26	2.37	2.12	1.91	1.81
<i>SSP3 - Stalled Development</i>	4.77	4.69	4.30	3.38	3.11	2.92	2.89
Life expectancy at birth for females (in years)							
<i>SSP1 - Rapid Development</i>	67.0	68.9	72.3	77.9	80.3	84.0	88.4
<i>SSP2 - CEPAM Zero Migration</i>	66.4	67.6	69.7	73.3	74.8	76.9	79.5
<i>SSP2 - CEPAM Medium</i>	66.4	67.6	69.7	73.3	74.8	76.9	79.5
<i>SSP2 - CEPAM Double Migration</i>	66.4	67.6	69.7	73.3	74.8	76.9	79.5
<i>SSP3 - Stalled Development</i>	65.8	66.0	66.4	66.2	65.9	65.6	65.5
Migration – net flow over five years (in thousands)							
<i>SSP1 - Rapid Development</i>	-566.5	-626.9	-720.4	-857.3	-881.1	-862.4	-750.3
<i>SSP2 - CEPAM Zero Migration</i>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<i>SSP2 - CEPAM Medium</i>	-566.2	-634.2	-766.0	-994.1	-1070.2	-1125.9	-1090.4
<i>SSP2 - CEPAM Double Migration</i>	-1132.3	-1247.6	-1454.2	-1766.8	-1839.3	-1837.1	-1641.5
<i>SSP3 - Stalled Development</i>	-377.4	-215.4	-0.8	-1.3	-1.5	-1.9	-2.3

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	18.9	19.7	21.9	27.2	30.2	34.8	40.1
Proportion age 65+	3.5%	3.7%	4.5%	6.8%	8.4%	12.8%	18.6%
Proportion RLE < 15 years	2.9%	3.0%	3.4%	4.8%	5.6%	7.8%	11.3%

Suriname

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	0.55	0.56	0.57	0.57	0.55	0.53
Proportion age 65+	6.7%	7.5%	11.2%	15.1%	17.7%	20.4%
Proportion below age 20	35.9%	34.4%	31.2%	28.1%	25.9%	23.9%
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	2.32	2.19	2.03	1.93	1.86	1.82
Life expectancy at birth (in years)						
Male	68.4	69.5	71.9	74.3	76.6	77.8
Female	74.9	76.0	78.1	80.3	82.5	84.6
Five-year net-migration flow (in thousands)	-16.9	-17.1	-16.9	-16.3	-15.2	-14.7

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	0.4%	0.4%	0.5%	0.5%	0.5%	0.5%
E2 - incomplete primary	7.1%	5.8%	3.8%	2.5%	1.7%	1.1%
E3 - primary	26.6%	23.9%	18.7%	14.2%	10.5%	7.5%
E4 - lower secondary	40.7%	41.8%	42.9%	42.1%	39.8%	36.5%
E5 - upper secondary	18.2%	20.5%	25.3%	30.3%	35.3%	39.9%
E6 - post-secondary	7.0%	7.6%	8.9%	10.4%	12.3%	14.5%
Mean years of schooling (in years)	9.7	10.0	10.6	11.1	11.6	12.0
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.50	0.60	0.70	0.77	0.78	0.78
E2 - incomplete primary	0.50	0.48	0.46	0.45	0.45	0.46
E3 - primary	1.07	1.06	1.04	1.04	1.03	1.03
E4 - lower secondary	1.12	1.12	1.12	1.12	1.14	1.17
E5 - upper secondary	0.95	0.96	0.98	0.99	1.01	1.02
E6 - post-secondary	0.96	0.90	0.81	0.74	0.69	0.65
Mean years of schooling (male minus female)	0.1	0.1	0.0	0.0	-0.1	-0.2
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	0.2%	0.3%	0.3%	0.2%	0.1%	0.1%
E2 - incomplete primary	3.0%	2.1%	0.7%	0.3%	0.2%	0.1%
E3 - primary	17.1%	13.6%	8.1%	4.9%	2.8%	1.6%
E4 - lower secondary	44.5%	44.0%	42.1%	37.0%	31.1%	24.8%
E5 - upper secondary	27.0%	30.9%	38.2%	44.7%	50.2%	54.6%
E6 - post-secondary	8.2%	9.1%	10.7%	12.9%	15.6%	18.8%
Mean years of schooling (in years)	10.9	11.3	12.0	12.5	13.0	13.4

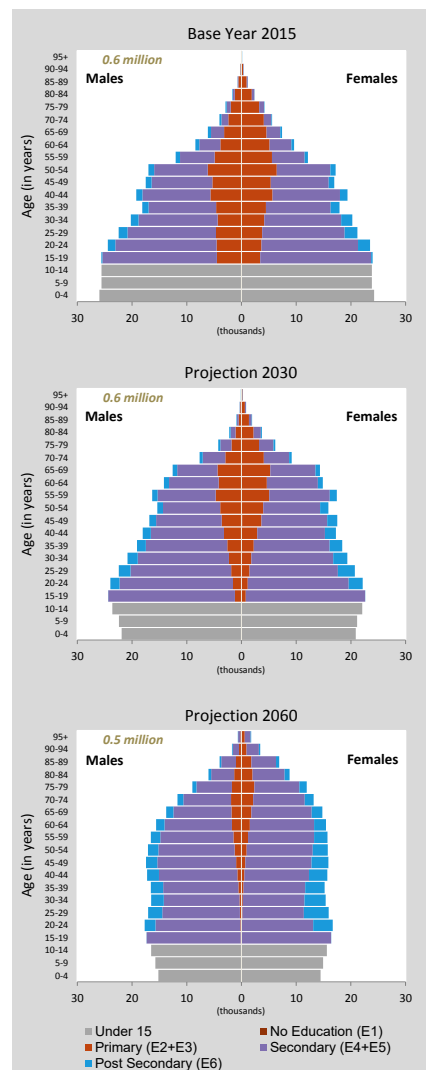
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

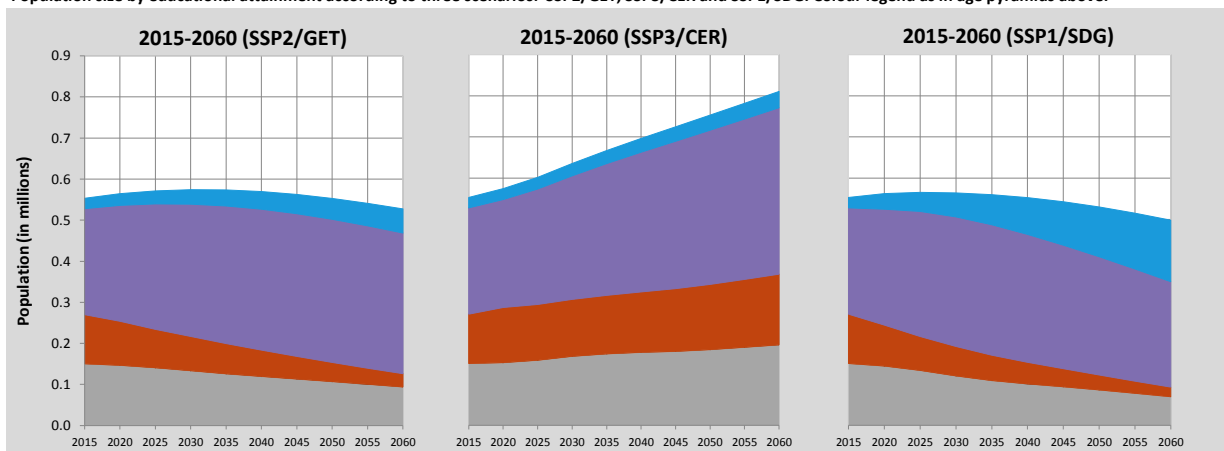
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

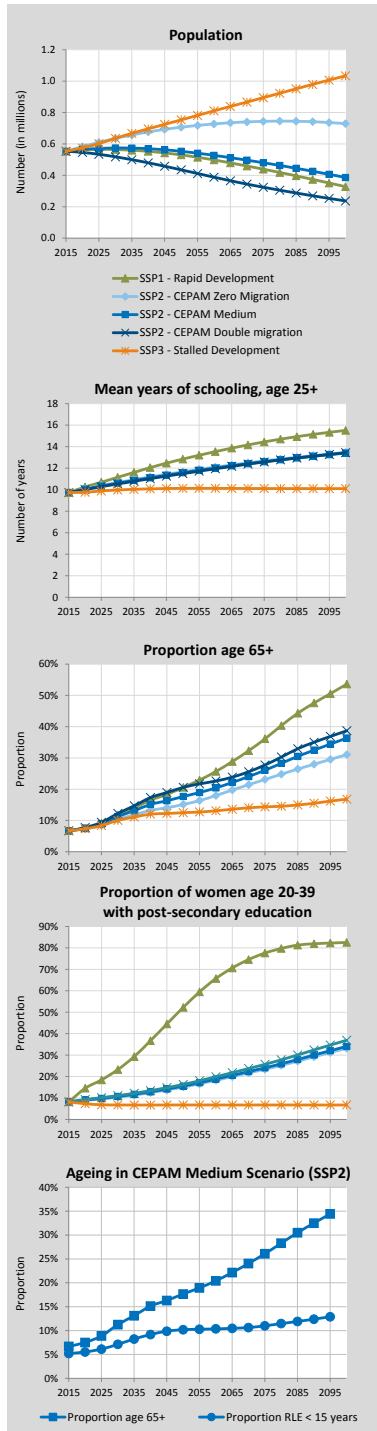
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Suriname (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	0.55	0.56	0.56	0.53	0.50	0.44	0.33
SSP2 - CEPAM Zero Migration	0.55	0.58	0.63	0.71	0.73	0.74	0.73
SSP2 - CEPAM Medium	0.55	0.56	0.57	0.55	0.53	0.48	0.39
SSP2 - CEPAM Double Migration	0.55	0.55	0.52	0.44	0.39	0.32	0.24
SSP3 - Stalled Development	0.55	0.57	0.64	0.75	0.81	0.89	1.03
Proportion age 65+							
SSP1 - Rapid Development	6.7%	7.6%	11.7%	20.6%	25.7%	36.1%	53.6%
SSP2 - CEPAM Zero Migration	6.7%	7.3%	10.4%	15.1%	18.0%	23.1%	31.1%
SSP2 - CEPAM Medium	6.7%	7.5%	11.2%	17.7%	20.4%	26.1%	36.4%
SSP2 - CEPAM Double Migration	6.7%	7.7%	12.2%	20.6%	22.6%	27.7%	38.7%
SSP3 - Stalled Development	6.7%	7.4%	10.0%	12.5%	13.1%	14.4%	16.8%
Proportion below age 20							
SSP1 - Rapid Development	35.9%	34.1%	29.4%	22.0%	19.2%	15.1%	10.2%
SSP2 - CEPAM Zero Migration	35.9%	34.0%	30.9%	26.0%	24.2%	21.6%	18.1%
SSP2 - CEPAM Medium	35.9%	34.4%	31.2%	25.9%	23.9%	20.8%	16.6%
SSP2 - CEPAM Double Migration	35.9%	34.7%	31.4%	25.9%	23.9%	20.4%	15.9%
SSP3 - Stalled Development	35.9%	34.8%	33.8%	32.0%	31.4%	30.2%	28.3%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	8.2%	14.5%	23.3%	52.2%	65.7%	77.6%	82.6%
SSP2 - CEPAM Zero Migration	8.2%	8.9%	10.4%	15.1%	18.3%	23.4%	33.2%
SSP2 - CEPAM Medium	8.2%	9.1%	10.7%	15.6%	18.8%	24.1%	34.1%
SSP2 - CEPAM Double Migration	8.2%	9.3%	11.1%	16.3%	19.9%	25.7%	36.9%
SSP3 - Stalled Development	8.2%	7.3%	6.8%	6.8%	6.7%	6.7%	6.7%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	9.7	10.3	11.2	12.8	13.5	14.4	15.5
SSP2 - CEPAM Zero Migration	9.7	10.1	10.7	11.7	12.1	12.7	13.5
SSP2 - CEPAM Medium	9.7	10.0	10.6	11.6	12.0	12.6	13.4
SSP2 - CEPAM Double Migration	9.7	10.0	10.5	11.5	11.9	12.6	13.4
SSP3 - Stalled Development	9.7	9.8	10.0	10.1	10.1	10.1	10.1

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	2.20	1.96	1.72	1.56	1.48	1.43	1.35
SSP2 - CEPAM Zero Migration	2.32	2.18	2.03	1.86	1.77	1.70	1.59
SSP2 - CEPAM Medium	2.32	2.19	2.03	1.86	1.77	1.70	1.59
SSP2 - CEPAM Double Migration	2.32	2.19	2.04	1.86	1.77	1.70	1.59
SSP3 - Stalled Development	2.53	2.61	2.60	2.45	2.38	2.32	2.23
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	75.4	77.1	80.2	86.6	89.8	94.6	101.1
SSP2 - CEPAM Zero Migration	74.9	76.0	78.1	82.5	84.6	87.9	92.2
SSP2 - CEPAM Medium	74.9	76.0	78.1	82.5	84.6	87.9	92.2
SSP2 - CEPAM Double Migration	74.9	76.0	78.1	82.5	84.6	87.9	92.2
SSP3 - Stalled Development	74.4	74.8	75.9	78.0	79.1	80.6	82.8
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-17.0	-17.1	-16.8	-14.9	-13.6	-11.4	-8.4
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-16.9	-17.1	-16.9	-15.2	-14.1	-12.1	-9.3
SSP2 - CEPAM Double Migration	-33.9	-32.8	-29.6	-21.6	-17.7	-12.7	-7.4
SSP3 - Stalled Development	-11.3	-5.8	0.0	0.0	0.0	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	28.4	29.6	32.4	38.0	41.0	45.6	51.9
Proportion age 65+	6.7%	7.5%	11.2%	17.7%	20.4%	26.1%	34.4%
Proportion RLE < 15 years	5.0%	5.3%	6.6%	10.2%	10.6%	11.2%	13.0%

Swaziland

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	1.32	1.43	1.61	1.74	1.84	1.88
Proportion age 65+	3.1%	3.3%	3.9%	4.7%	6.7%	10.3%
Proportion below age 20	49.0%	46.8%	42.3%	37.0%	33.4%	30.3%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	2.91	2.59	2.26	2.04	1.90	1.84
Life expectancy at birth (in years)						
Male	55.2	56.2	58.1	60.1	62.0	62.9
Female	61.4	62.2	63.8	65.3	66.9	68.5
Five-year net-migration flow (in thousands)	-12.1	-13.2	-15.0	-16.2	-17.0	-17.1

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	10.4%	7.9%	4.4%	2.4%	1.4%	0.8%
E2 - incomplete primary	16.5%	13.4%	8.6%	5.4%	3.3%	1.9%
E3 - primary	20.7%	18.9%	15.5%	12.0%	8.8%	6.3%
E4 - lower secondary	14.8%	15.7%	16.5%	15.7%	14.1%	12.1%
E5 - upper secondary	23.9%	28.1%	35.0%	40.5%	44.3%	46.6%
E6 - post-secondary	13.7%	16.0%	20.1%	24.0%	28.1%	32.4%
Mean years of schooling (in years)	9.0	9.7	10.8	11.6	12.2	12.6
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.86	0.87	0.85	0.87	0.90	0.93
E2 - incomplete primary	0.98	1.02	1.14	1.22	1.34	1.52
E3 - primary	0.78	0.74	0.71	0.71	0.72	0.74
E4 - lower secondary	0.82	0.79	0.77	0.77	0.79	0.80
E5 - upper secondary	1.32	1.27	1.19	1.14	1.09	1.07
E6 - post-secondary	1.24	1.21	1.16	1.10	1.05	1.02
Mean years of schooling (male minus female)	0.3	0.2	0.2	0.1	0.1	0.0
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	3.7%	2.7%	0.9%	0.4%	0.1%	0.0%
E2 - incomplete primary	11.9%	8.2%	2.9%	1.2%	0.4%	0.2%
E3 - primary	20.7%	16.5%	10.0%	5.8%	3.0%	1.4%
E4 - lower secondary	16.7%	16.8%	16.3%	13.1%	9.9%	6.8%
E5 - upper secondary	32.9%	38.3%	46.8%	51.7%	53.5%	53.2%
E6 - post-secondary	14.0%	17.5%	23.1%	27.9%	33.0%	38.4%
Mean years of schooling (in years)	10.2	10.9	12.0	12.6	13.1	13.5

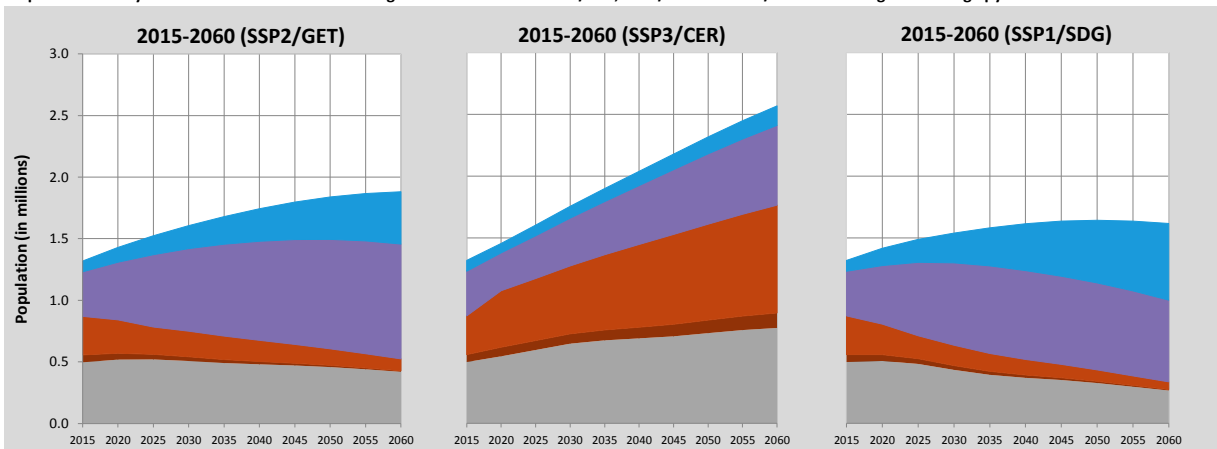
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

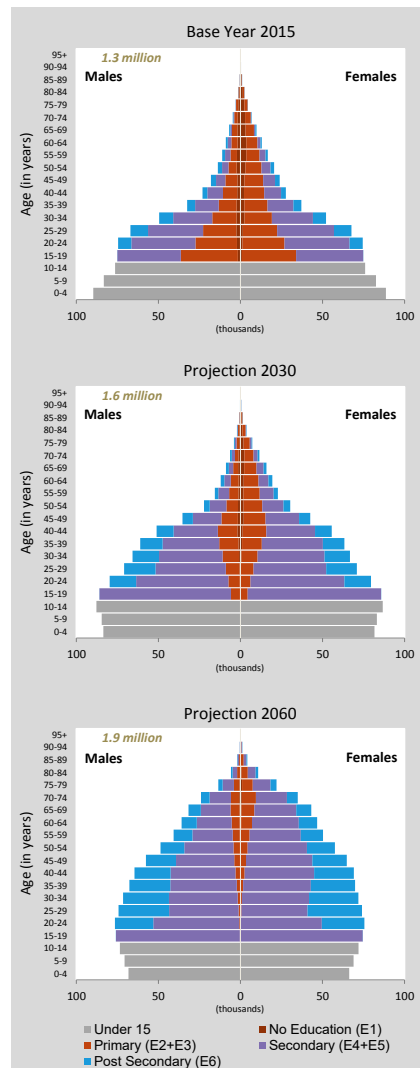
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

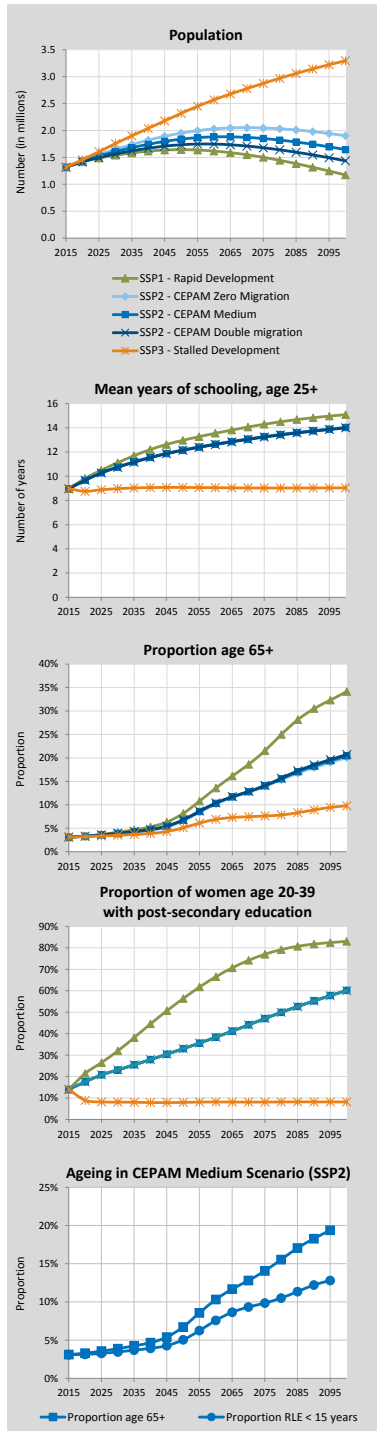
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



Swaziland (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)	2015 2020 2030 2050 2060 2075 2100						
	Population (in millions)						
SSP1 - Rapid Development	1.32	1.42	1.54	1.64	1.62	1.50	1.17
SSP2 - CEPAM Zero Migration	1.32	1.44	1.65	1.95	2.03	2.05	1.90
SSP2 - CEPAM Medium	1.32	1.43	1.61	1.84	1.88	1.85	1.64
SSP2 - CEPAM Double Migration	1.32	1.42	1.56	1.73	1.75	1.68	1.44
SSP3 - Stalled Development	1.32	1.46	1.76	2.32	2.57	2.87	3.30
Proportion age 65+							
SSP1 - Rapid Development	3.1%	3.3%	4.1%	8.2%	13.6%	21.5%	34.2%
SSP2 - CEPAM Zero Migration	3.1%	3.3%	3.8%	6.6%	10.2%	13.9%	20.1%
SSP2 - CEPAM Medium	3.1%	3.3%	3.9%	6.7%	10.3%	14.1%	20.4%
SSP2 - CEPAM Double Migration	3.1%	3.3%	3.9%	6.8%	10.4%	14.1%	20.7%
SSP3 - Stalled Development	3.1%	3.2%	3.5%	5.1%	6.9%	7.6%	9.8%
Proportion below age 20							
SSP1 - Rapid Development	49.0%	46.3%	39.3%	27.2%	23.1%	18.4%	13.9%
SSP2 - CEPAM Zero Migration	49.0%	46.6%	41.8%	32.9%	29.8%	26.1%	22.1%
SSP2 - CEPAM Medium	49.0%	46.8%	42.3%	33.4%	30.3%	26.5%	22.4%
SSP2 - CEPAM Double Migration	49.0%	47.1%	42.7%	34.0%	30.8%	26.9%	22.7%
SSP3 - Stalled Development	49.0%	47.6%	46.5%	41.1%	39.4%	36.8%	34.5%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	14.0%	21.5%	32.0%	56.4%	66.6%	77.0%	83.0%
SSP2 - CEPAM Zero Migration	14.0%	17.5%	23.1%	33.0%	38.4%	47.1%	60.3%
SSP2 - CEPAM Medium	14.0%	17.5%	23.1%	33.0%	38.4%	47.1%	60.2%
SSP2 - CEPAM Double Migration	14.0%	17.6%	23.1%	33.0%	38.4%	47.1%	60.1%
SSP3 - Stalled Development	14.0%	8.9%	8.1%	8.0%	8.2%	8.1%	8.2%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	9.0	9.8	11.1	13.0	13.5	14.3	15.1
SSP2 - CEPAM Zero Migration	9.0	9.7	10.8	12.2	12.7	13.3	14.0
SSP2 - CEPAM Medium	9.0	9.7	10.8	12.2	12.6	13.3	14.0
SSP2 - CEPAM Double Migration	9.0	9.7	10.7	12.1	12.6	13.2	14.0
SSP3 - Stalled Development	9.0	8.8	9.0	9.1	9.1	9.0	9.0

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	2.69	2.19	1.72	1.40	1.31	1.23	1.16
SSP2 - CEPAM Zero Migration	2.91	2.59	2.26	1.90	1.79	1.67	1.57
SSP2 - CEPAM Medium	2.91	2.59	2.26	1.90	1.79	1.67	1.57
SSP2 - CEPAM Double Migration	2.91	2.59	2.26	1.90	1.79	1.67	1.57
SSP3 - Stalled Development	3.29	3.33	3.13	2.68	2.57	2.48	2.39
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	61.9	63.3	66.0	71.2	73.8	77.6	82.7
SSP2 - CEPAM Zero Migration	61.4	62.2	63.8	66.9	68.5	70.9	74.0
SSP2 - CEPAM Medium	61.4	62.2	63.8	66.9	68.5	70.8	74.0
SSP2 - CEPAM Double Migration	61.4	62.2	63.8	66.9	68.5	70.8	74.0
SSP3 - Stalled Development	60.7	60.4	60.2	60.5	60.8	61.4	62.5
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-12.1	-13.1	-14.3	-15.0	-14.4	-12.8	-9.7
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-12.1	-13.2	-15.0	-17.0	-17.1	-16.3	-14.2
SSP2 - CEPAM Double Migration	-24.2	-26.2	-28.9	-31.4	-30.9	-28.3	-23.3
SSP3 - Stalled Development	-8.1	-4.5	0.0	0.0	0.0	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	20.4	21.5	23.9	29.8	32.5	36.0	40.4
Proportion age 65+	3.1%	3.3%	3.9%	6.7%	10.3%	14.1%	19.4%
Proportion RLE < 15 years	3.1%	3.3%	3.9%	5.6%	8.2%	10.7%	13.8%

Switzerland

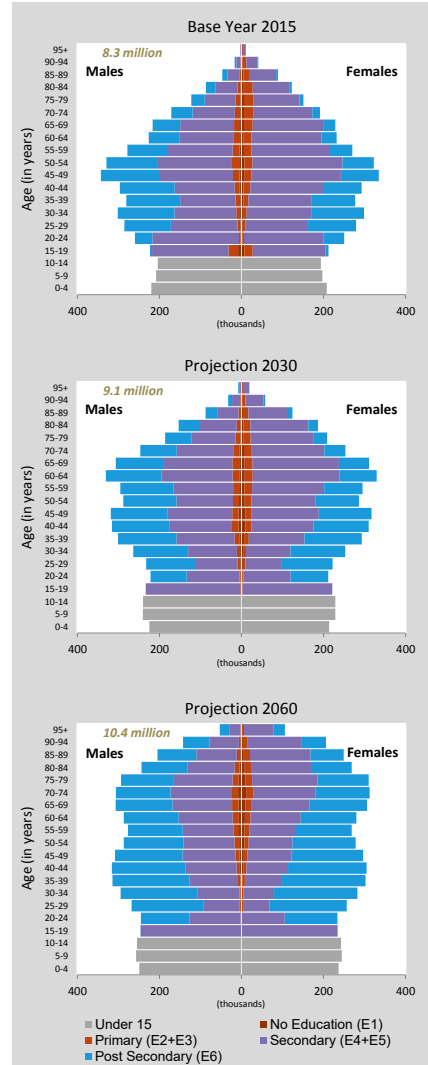
Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	8.32	8.58	9.09	9.53	9.96	10.37
Proportion age 65+	18.0%	19.3%	24.0%	28.1%	30.4%	31.9%
Proportion below age 20	20.0%	19.8%	20.1%	19.0%	18.5%	18.9%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	1.58	1.63	1.68	1.73	1.75	1.75
Life expectancy at birth (in years)						
Male	81.6	82.7	84.8	87.0	89.1	90.2
Female	85.4	86.5	88.7	90.8	93.0	95.2
Five-year net-migration flow (in thousands)	152.0	164.0	184.9	202.6	215.8	220.2

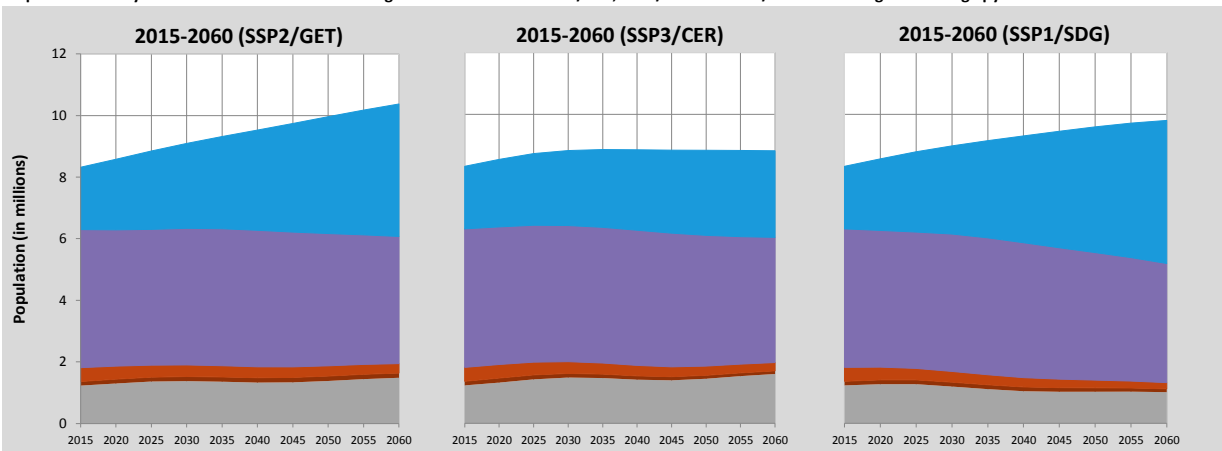
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	1.9%	2.0%	2.1%	2.1%	2.1%	1.9%
E2 - incomplete primary	0.0%	0.2%	0.5%	0.6%	0.8%	0.8%
E3 - primary	6.5%	5.9%	4.9%	4.2%	3.5%	3.0%
E4 - lower secondary	14.2%	13.3%	11.7%	10.3%	9.0%	7.8%
E5 - upper secondary	46.3%	45.1%	43.1%	40.8%	38.1%	35.4%
E6 - post-secondary	31.3%	33.6%	37.7%	42.0%	46.6%	51.1%
Mean years of schooling (in years)	12.9	13.0	13.3	13.5	13.8	14.1
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.61	0.66	0.71	0.73	0.73	0.72
E2 - incomplete primary	1.05	1.04	1.02	1.02	1.01	0.99
E3 - primary	0.71	0.75	0.82	0.87	0.90	0.93
E4 - lower secondary	0.57	0.61	0.71	0.82	0.93	1.02
E5 - upper secondary	0.94	0.93	0.92	0.93	0.96	1.01
E6 - post-secondary	1.56	1.44	1.28	1.16	1.07	1.00
Mean years of schooling (male minus female)	0.5	0.4	0.3	0.2	0.1	0.1
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	1.1%	1.6%	1.4%	1.2%	0.8%	0.5%
E2 - incomplete primary	0.0%	0.5%	0.6%	0.6%	0.4%	0.3%
E3 - primary	2.8%	2.8%	2.2%	1.6%	1.1%	0.9%
E4 - lower secondary	10.6%	9.7%	7.4%	5.4%	4.1%	3.1%
E5 - upper secondary	48.6%	44.0%	39.6%	37.5%	34.6%	31.9%
E6 - post-secondary	36.9%	41.5%	48.7%	53.7%	59.0%	63.3%
Mean years of schooling (in years)	13.5	13.7	14.1	14.5	14.8	15.1

Education scenarios
 SSP2/GET: Global Education Trend Scenario (Medium assumption)
 SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)
 SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

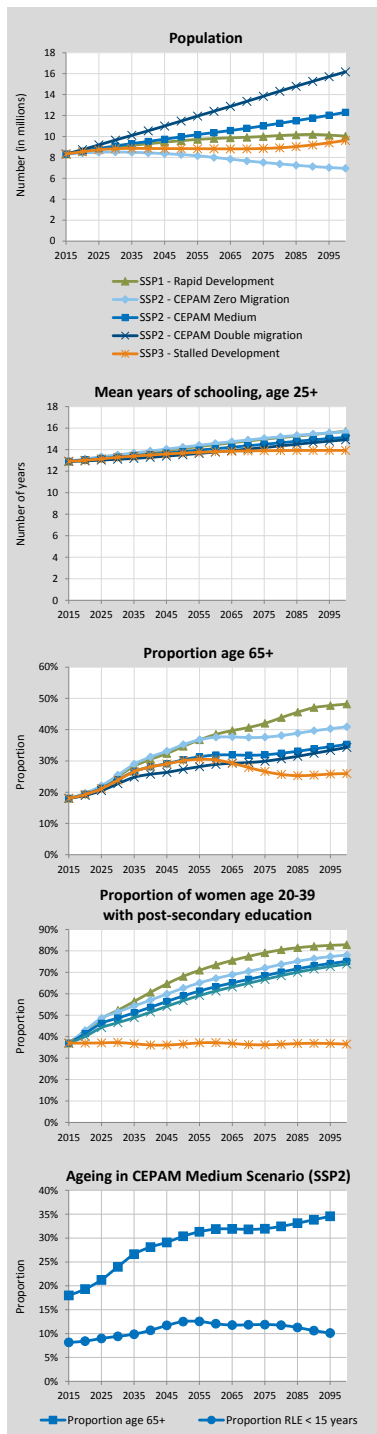
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Switzerland (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)

	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	8.32	8.56	8.98	9.60	9.80	10.00	10.03
SSP2 - CEPAM Zero Migration	8.32	8.42	8.51	8.27	8.00	7.52	6.96
SSP2 - CEPAM Medium	8.32	8.58	9.09	9.96	10.37	11.01	12.31
SSP2 - CEPAM Double Migration	8.32	8.74	9.65	11.47	12.41	13.84	16.17
SSP3 - Stalled Development	8.32	8.54	8.83	8.84	8.82	8.85	9.62
Proportion age 65+							
SSP1 - Rapid Development	18.0%	19.5%	25.0%	34.6%	38.5%	42.0%	48.2%
SSP2 - CEPAM Zero Migration	18.0%	19.6%	25.5%	35.2%	37.6%	37.6%	40.9%
SSP2 - CEPAM Medium	18.0%	19.3%	24.0%	30.4%	31.9%	32.0%	35.3%
SSP2 - CEPAM Double Migration	18.0%	19.0%	22.7%	27.3%	28.9%	29.9%	34.3%
SSP3 - Stalled Development	18.0%	19.2%	23.9%	30.1%	30.3%	26.6%	25.9%
Proportion below age 20							
SSP1 - Rapid Development	20.0%	19.5%	18.3%	14.4%	14.0%	12.7%	11.5%
SSP2 - CEPAM Zero Migration	20.0%	19.8%	19.6%	17.1%	17.5%	16.8%	16.4%
SSP2 - CEPAM Medium	20.0%	19.8%	20.1%	18.5%	18.9%	18.5%	17.8%
SSP2 - CEPAM Double Migration	20.0%	19.9%	20.5%	19.3%	19.6%	19.1%	18.0%
SSP3 - Stalled Development	20.0%	20.2%	21.8%	21.6%	23.5%	24.4%	25.2%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	36.9%	42.5%	52.3%	68.1%	73.5%	79.1%	82.9%
SSP2 - CEPAM Zero Migration	36.9%	42.9%	51.6%	62.6%	67.2%	72.1%	78.1%
SSP2 - CEPAM Medium	36.9%	41.5%	48.7%	59.0%	63.3%	68.4%	75.1%
SSP2 - CEPAM Double Migration	36.9%	40.1%	46.5%	56.8%	61.3%	66.7%	73.8%
SSP3 - Stalled Development	36.9%	37.0%	37.3%	36.5%	37.2%	36.2%	36.5%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	12.9	13.1	13.4	14.1	14.5	15.0	15.7
SSP2 - CEPAM Zero Migration	12.9	13.1	13.5	14.2	14.6	15.1	15.6
SSP2 - CEPAM Medium	12.9	13.0	13.3	13.8	14.1	14.5	15.1
SSP2 - CEPAM Double Migration	12.9	13.0	13.1	13.5	13.8	14.2	14.9
SSP3 - Stalled Development	12.9	13.0	13.3	13.7	13.8	13.9	13.9

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.47	1.41	1.31	1.31	1.31	1.31	1.31
SSP2 - CEPAM Zero Migration	1.58	1.63	1.68	1.75	1.75	1.75	1.75
SSP2 - CEPAM Medium	1.58	1.63	1.68	1.75	1.75	1.75	1.75
SSP2 - CEPAM Double Migration	1.58	1.64	1.69	1.75	1.76	1.75	1.75
SSP3 - Stalled Development	1.70	1.89	2.11	2.29	2.31	2.32	2.33
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	85.9	87.5	90.7	97.0	100.2	104.9	107.9
SSP2 - CEPAM Zero Migration	85.4	86.5	88.7	93.1	95.3	98.6	103.0
SSP2 - CEPAM Medium	85.4	86.5	88.7	93.0	95.2	98.5	102.8
SSP2 - CEPAM Double Migration	85.4	86.5	88.6	93.0	95.1	98.3	102.7
SSP3 - Stalled Development	84.9	85.5	86.7	89.0	90.2	91.9	94.2
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	152.1	162.9	177.8	195.3	195.4	185.9	161.7
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	152.0	164.0	184.9	215.8	223.0	222.5	204.3
SSP2 - CEPAM Double Migration	304.0	322.1	349.9	380.1	377.9	353.6	293.8
SSP3 - Stalled Development	101.3	55.6	0.2	0.3	0.3	0.3	0.4

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	42.2	43.4	45.7	48.7	48.3	49.4	50.5
Proportion age 65+	18.0%	19.3%	24.0%	30.4%	31.9%	32.0%	34.6%
Proportion RLE < 15 years	8.7%	8.6%	9.5%	12.4%	12.3%	11.9%	10.1%

Syria

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	18.74	19.77	21.85	23.74	24.73	25.12
Proportion age 65+	4.0%	4.8%	6.8%	8.8%	11.9%	14.7%
Proportion below age 20	49.6%	45.5%	36.8%	33.5%	29.6%	24.8%
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	2.78	2.49	2.16	1.94	1.81	1.77
Life expectancy at birth (in years)						
Male	65.9	67.5	70.8	74.1	77.3	79.0
Female	77.7	78.8	81.0	83.3	85.6	87.8
Five-year net-migration flow (in thousands)	-424.2	-447.3	-494.7	-538.1	-557.1	-559.9

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	19.8%	16.8%	10.6%	6.8%	4.5%	2.8%
E2 - incomplete primary	29.2%	27.2%	22.1%	17.7%	14.1%	10.6%
E3 - primary	15.4%	15.7%	16.1%	15.2%	13.8%	12.0%
E4 - lower secondary	12.1%	13.5%	16.5%	18.5%	19.4%	19.6%
E5 - upper secondary	10.3%	12.1%	16.5%	20.5%	23.8%	27.3%
E6 - post-secondary	13.1%	14.7%	18.2%	21.4%	24.4%	27.8%
Mean years of schooling (in years)	6.7	7.1	8.0	8.8	9.4	10.1
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.42	0.40	0.40	0.41	0.43	0.45
E2 - incomplete primary	1.13	1.11	1.10	1.09	1.08	1.08
E3 - primary	1.28	1.23	1.15	1.14	1.13	1.14
E4 - lower secondary	1.30	1.27	1.21	1.21	1.22	1.25
E5 - upper secondary	1.31	1.24	1.12	1.09	1.10	1.13
E6 - post-secondary	1.25	1.15	0.97	0.87	0.80	0.75
Mean years of schooling (male minus female)	0.7	0.6	0.3	0.1	-0.1	-0.2
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	8.5%	6.1%	2.4%	1.2%	0.5%	0.2%
E2 - incomplete primary	25.7%	20.9%	13.6%	9.0%	4.9%	2.5%
E3 - primary	19.0%	17.9%	15.6%	12.6%	8.7%	5.6%
E4 - lower secondary	15.9%	17.9%	20.9%	21.6%	20.5%	18.0%
E5 - upper secondary	16.6%	20.5%	26.1%	30.2%	35.9%	39.5%
E6 - post-secondary	14.3%	16.7%	21.4%	25.4%	29.5%	34.1%
Mean years of schooling (in years)	7.8	8.4	9.6	10.5	11.4	12.2

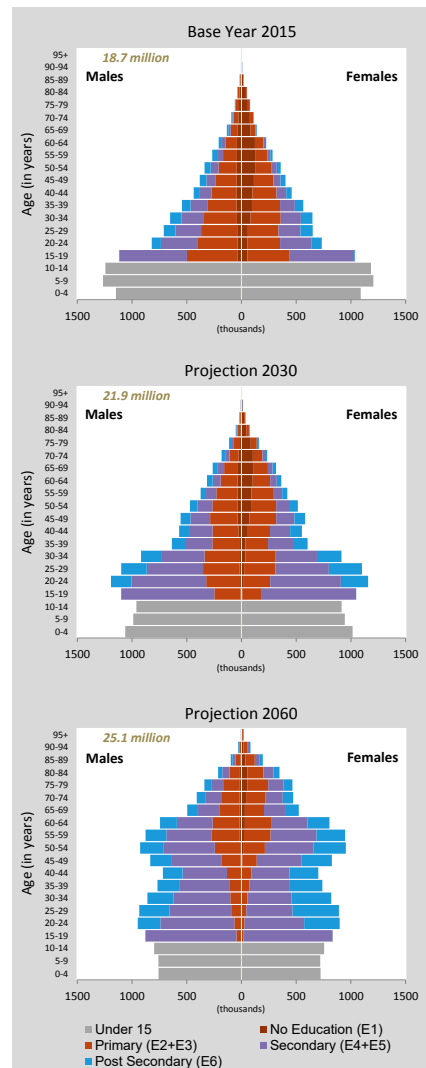
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

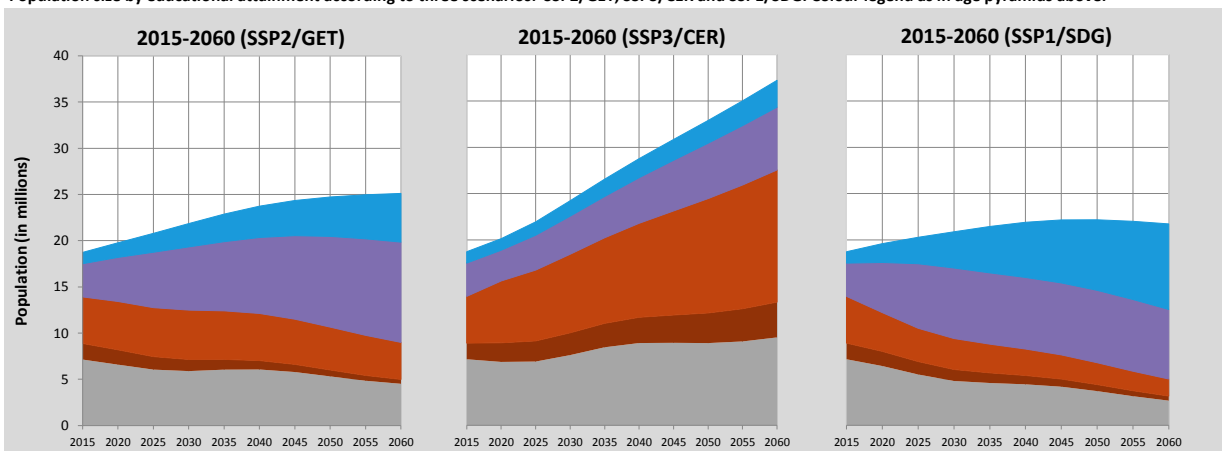
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

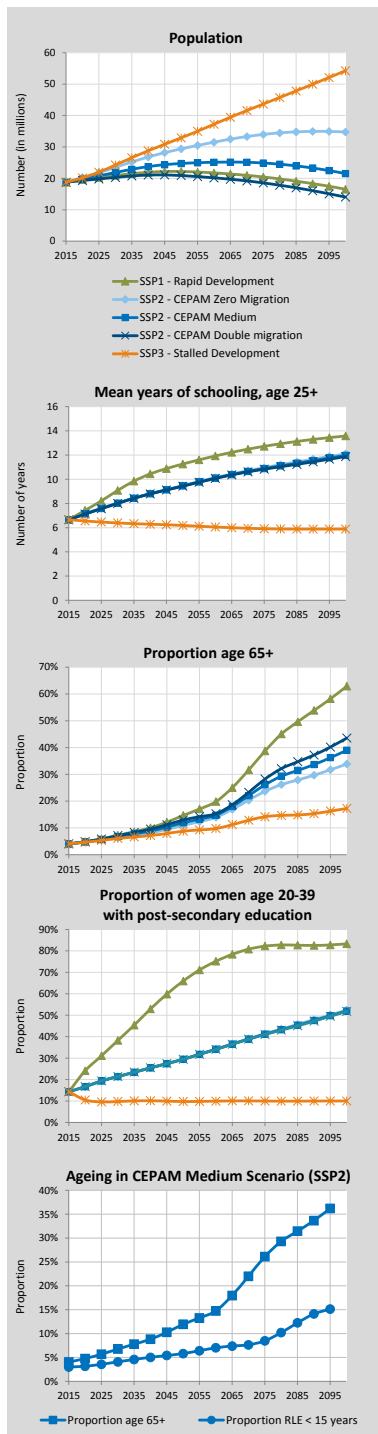
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Syria (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)	2015 2020 2030 2050 2060 2075 2100						
	Population (in millions)						
SSP1 - Rapid Development	18.74	19.61	20.88	22.18	21.74	20.43	16.53
SSP2 - CEPAM Zero Migration	18.74	20.24	23.50	29.38	31.51	33.98	34.76
SSP2 - CEPAM Medium	18.74	19.77	21.85	24.73	25.12	24.88	21.53
SSP2 - CEPAM Double Migration	18.74	19.30	20.30	20.88	20.16	18.54	14.03
SSP3 - Stalled Development	18.74	20.14	24.23	32.89	37.22	43.67	54.27
Proportion age 65+							
SSP1 - Rapid Development	4.0%	4.8%	7.2%	14.7%	19.8%	38.7%	62.9%
SSP2 - CEPAM Zero Migration	4.0%	4.7%	6.4%	11.0%	13.9%	23.7%	33.8%
SSP2 - CEPAM Medium	4.0%	4.8%	6.8%	11.9%	14.7%	26.1%	39.0%
SSP2 - CEPAM Double Migration	4.0%	4.8%	7.1%	13.0%	15.3%	28.2%	43.5%
SSP3 - Stalled Development	4.0%	4.7%	6.1%	8.8%	9.8%	14.2%	17.3%
Proportion below age 20							
SSP1 - Rapid Development	49.6%	44.9%	33.2%	23.3%	17.8%	12.9%	6.7%
SSP2 - CEPAM Zero Migration	49.6%	45.0%	36.4%	29.2%	24.9%	21.6%	17.1%
SSP2 - CEPAM Medium	49.6%	45.5%	36.8%	29.6%	24.8%	21.1%	15.6%
SSP2 - CEPAM Double Migration	49.6%	45.9%	37.2%	30.1%	24.8%	20.7%	14.3%
SSP3 - Stalled Development	49.6%	45.9%	40.3%	36.1%	33.3%	31.8%	29.8%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	14.3%	24.1%	38.2%	66.0%	75.2%	82.2%	83.3%
SSP2 - CEPAM Zero Migration	14.3%	16.6%	21.3%	29.5%	34.2%	41.4%	52.4%
SSP2 - CEPAM Medium	14.3%	16.7%	21.4%	29.5%	34.1%	41.2%	52.0%
SSP2 - CEPAM Double Migration	14.3%	16.7%	21.4%	29.4%	34.1%	41.0%	51.8%
SSP3 - Stalled Development	14.3%	10.5%	9.8%	9.8%	9.9%	10.0%	10.0%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	6.7	7.4	9.1	11.3	11.9	12.7	13.6
SSP2 - CEPAM Zero Migration	6.7	7.2	8.0	9.5	10.1	11.0	12.1
SSP2 - CEPAM Medium	6.7	7.1	8.0	9.4	10.1	10.9	12.0
SSP2 - CEPAM Double Migration	6.7	7.1	8.0	9.4	10.1	10.8	11.9
SSP3 - Stalled Development	6.7	6.6	6.4	6.2	6.1	5.9	5.9
Demographic assumptions underlying SSPs							
	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	2.53	2.04	1.60	1.32	1.26	1.23	1.18
SSP2 - CEPAM Zero Migration	2.78	2.49	2.16	1.81	1.73	1.68	1.59
SSP2 - CEPAM Medium	2.78	2.49	2.16	1.81	1.73	1.68	1.59
SSP2 - CEPAM Double Migration	2.78	2.49	2.16	1.81	1.73	1.68	1.60
SSP3 - Stalled Development	3.09	3.05	2.86	2.49	2.44	2.45	2.43
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	78.2	79.8	83.1	89.6	92.9	97.8	104.7
SSP2 - CEPAM Zero Migration	77.7	78.8	81.0	85.5	87.8	91.2	95.7
SSP2 - CEPAM Medium	77.7	78.8	81.0	85.6	87.8	91.2	95.7
SSP2 - CEPAM Double Migration	77.7	78.8	81.1	85.6	87.8	91.2	95.7
SSP3 - Stalled Development	77.1	77.6	78.7	80.9	81.9	83.3	85.3
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-424.6	-444.0	-472.1	-497.2	-481.8	-444.1	-363.1
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-424.2	-447.3	-494.7	-557.1	-560.8	-546.4	-467.1
SSP2 - CEPAM Double Migration	-848.5	-868.1	-901.0	-895.0	-840.2	-735.8	-520.6
SSP3 - Stalled Development	-282.7	-152.3	-0.6	-0.8	-0.9	-1.0	-1.2
Ageing indicators, CEPAM Medium Scenario (SSP2)							
	2015	2020	2030	2050	2060	2075	2095
Median age	20.2	22.2	26.2	34.6	38.3	44.7	54.4
Proportion age 65+	4.0%	4.8%	6.8%	11.9%	14.7%	26.1%	36.2%
Proportion RLE < 15 years	2.8%	2.8%	3.8%	5.8%	7.2%	8.3%	16.1%

Taiwan

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	23.48	23.61	23.44	22.57	21.02	19.16
Proportion age 65+	12.3%	15.7%	23.5%	30.0%	36.7%	40.1%
Proportion below age 20	20.2%	17.9%	16.4%	14.7%	13.4%	13.5%
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	1.13	1.16	1.25	1.32	1.38	1.41
Life expectancy at birth (in years)						
Male	77.5	78.6	80.7	82.5	83.8	84.4
Female	83.0	83.7	85.0	86.3	87.6	88.8
Five-year net-migration flow (in thousands)	3.7	6.0	10.9	16.5	22.5	25.3

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	2.0%	1.3%	0.5%	0.2%	0.1%	0.1%
E2 - incomplete primary	2.3%	1.7%	0.9%	0.4%	0.2%	0.1%
E3 - primary	13.5%	11.3%	7.4%	4.2%	1.8%	0.7%
E4 - lower secondary	15.6%	14.7%	12.6%	10.5%	7.8%	4.9%
E5 - upper secondary	30.1%	30.6%	30.9%	30.4%	28.7%	25.8%
E6 - post-secondary	36.5%	40.4%	47.7%	54.2%	61.3%	68.3%
Mean years of schooling (in years)	11.4	11.8	12.5	13.0	13.4	13.8
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.21	0.18	0.15	0.19	0.27	0.29
E2 - incomplete primary	0.59	0.50	0.38	0.33	0.34	0.35
E3 - primary	0.75	0.69	0.59	0.52	0.50	0.52
E4 - lower secondary	1.17	1.16	1.12	1.09	1.10	1.15
E5 - upper secondary	1.04	1.04	1.04	1.03	1.04	1.07
E6 - post-secondary	1.12	1.10	1.06	1.03	1.00	0.97
Mean years of schooling (male minus female)	0.3	0.3	0.2	0.1	0.0	-0.1
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	0.0%	0.0%	0.1%	0.1%	0.1%	0.0%
E2 - incomplete primary	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
E3 - primary	0.7%	0.5%	0.1%	0.1%	0.1%	0.1%
E4 - lower secondary	7.3%	5.2%	2.0%	0.8%	0.3%	0.2%
E5 - upper secondary	38.0%	35.1%	29.3%	26.0%	22.4%	19.8%
E6 - post-secondary	53.9%	59.1%	68.5%	73.1%	77.1%	79.9%
Mean years of schooling (in years)	13.4	13.7	14.1	14.2	14.3	14.4

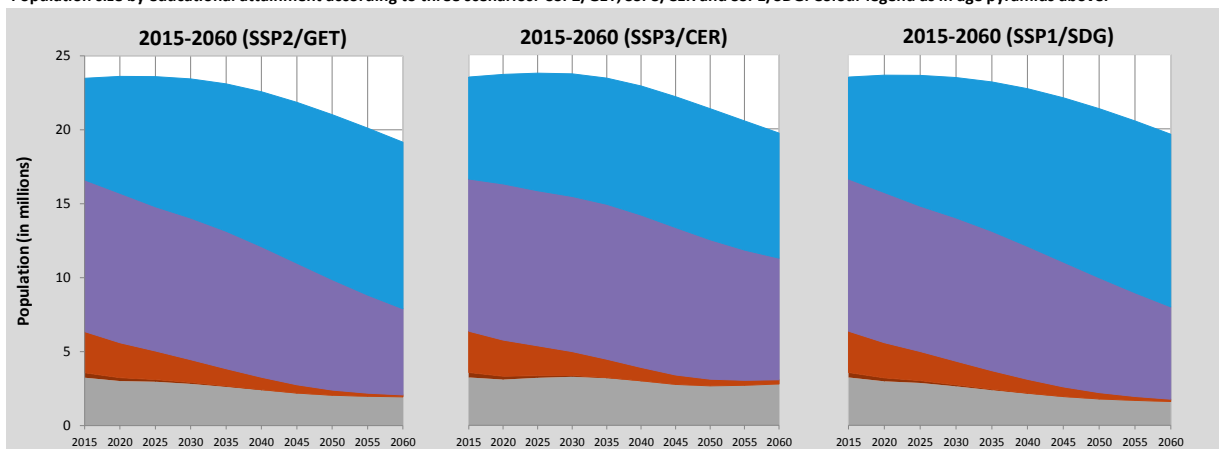
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

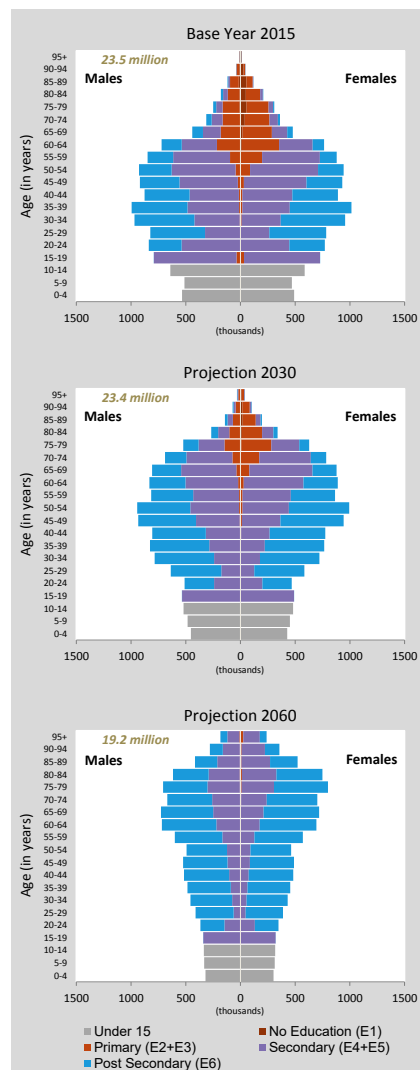
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

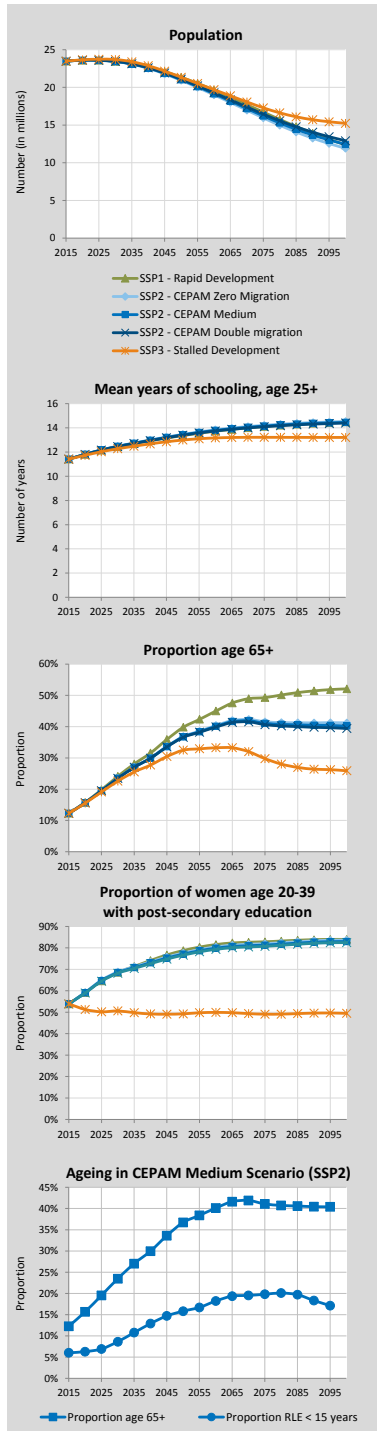
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



Taiwan (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	23.48	23.61	23.45	21.35	19.63	16.72	12.37
SSP2 - CEPAM Zero Migration	23.48	23.61	23.42	20.94	19.02	15.95	11.92
SSP2 - CEPAM Medium	23.48	23.61	23.44	21.02	19.16	16.22	12.45
SSP2 - CEPAM Double Migration	23.48	23.62	23.46	21.10	19.29	16.46	12.93
SSP3 - Stalled Development	23.48	23.66	23.70	21.35	19.71	17.30	15.23
Proportion age 65+							
SSP1 - Rapid Development	12.3%	15.8%	24.1%	39.8%	45.0%	49.3%	52.1%
SSP2 - CEPAM Zero Migration	12.3%	15.7%	23.5%	36.9%	40.4%	41.6%	41.2%
SSP2 - CEPAM Medium	12.3%	15.7%	23.5%	36.7%	40.1%	41.1%	40.2%
SSP2 - CEPAM Double Migration	12.3%	15.7%	23.5%	36.6%	39.9%	40.7%	39.4%
SSP3 - Stalled Development	12.3%	15.5%	22.6%	32.5%	33.3%	29.8%	25.9%
Proportion below age 20							
SSP1 - Rapid Development	20.2%	17.8%	15.6%	11.6%	11.1%	10.7%	10.8%
SSP2 - CEPAM Zero Migration	20.2%	17.9%	16.4%	13.4%	13.4%	13.9%	14.7%
SSP2 - CEPAM Medium	20.2%	17.9%	16.4%	13.4%	13.5%	14.1%	15.1%
SSP2 - CEPAM Double Migration	20.2%	17.9%	16.4%	13.4%	13.5%	14.2%	15.4%
SSP3 - Stalled Development	20.2%	18.2%	18.1%	17.0%	18.5%	20.9%	23.2%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	53.9%	59.1%	68.6%	78.8%	81.6%	82.9%	84.0%
SSP2 - CEPAM Zero Migration	53.9%	59.3%	68.8%	77.6%	80.5%	82.0%	83.6%
SSP2 - CEPAM Medium	53.9%	59.1%	68.5%	77.1%	79.9%	81.3%	83.0%
SSP2 - CEPAM Double Migration	53.9%	59.0%	68.2%	76.6%	79.3%	80.8%	82.5%
SSP3 - Stalled Development	53.9%	51.3%	50.6%	49.2%	49.9%	49.1%	49.5%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	11.4	11.8	12.4	13.4	13.7	14.1	14.5
SSP2 - CEPAM Zero Migration	11.4	11.8	12.5	13.5	13.8	14.2	14.5
SSP2 - CEPAM Medium	11.4	11.8	12.5	13.4	13.8	14.1	14.5
SSP2 - CEPAM Double Migration	11.4	11.8	12.5	13.4	13.7	14.1	14.4
SSP3 - Stalled Development	11.4	11.7	12.3	13.0	13.2	13.2	13.2

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.09	1.09	1.12	1.21	1.25	1.28	1.32
SSP2 - CEPAM Zero Migration	1.13	1.16	1.25	1.38	1.43	1.47	1.51
SSP2 - CEPAM Medium	1.13	1.16	1.25	1.38	1.43	1.47	1.51
SSP2 - CEPAM Double Migration	1.13	1.17	1.25	1.38	1.43	1.47	1.51
SSP3 - Stalled Development	1.23	1.38	1.59	1.83	1.90	1.96	2.02
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	83.5	84.7	87.0	91.6	93.8	97.1	101.4
SSP2 - CEPAM Zero Migration	83.0	83.7	85.0	87.6	88.8	90.6	92.9
SSP2 - CEPAM Medium	83.0	83.7	85.0	87.6	88.8	90.6	92.8
SSP2 - CEPAM Double Migration	83.0	83.7	85.0	87.6	88.8	90.5	92.8
SSP3 - Stalled Development	82.5	82.7	83.0	83.4	83.6	83.8	84.0
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	3.7	5.7	9.4	17.7	21.2	25.1	26.8
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	3.7	6.0	10.9	22.5	27.8	34.1	38.2
SSP2 - CEPAM Double Migration	7.3	11.7	21.1	43.1	53.1	64.8	72.2
SSP3 - Stalled Development	2.5	2.1	0.0	0.0	0.0	0.1	0.1

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	39.6	42.4	47.7	55.7	57.9	57.6	56.7
Proportion age 65+	12.3%	15.7%	23.5%	36.7%	40.1%	41.1%	40.4%
Proportion RLE < 15 years	5.7%	6.3%	8.7%	16.6%	19.0%	20.4%	17.3%

Tajikistan

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	8.55	9.42	10.84	12.02	12.96	13.46
Proportion age 65+	3.3%	3.8%	5.8%	7.6%	9.6%	13.3%
Proportion below age 20	45.3%	43.7%	39.7%	33.3%	30.2%	27.0%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	3.08	2.72	2.32	2.04	1.88	1.83
Life expectancy at birth (in years)						
Male	68.4	69.4	71.2	73.0	74.8	75.7
Female	74.4	75.3	76.9	78.6	80.3	81.9
Five-year net-migration flow (in thousands)	-82.5	-92.0	-106.8	-118.7	-127.9	-130.5

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	0.6%	0.4%	0.2%	0.2%	0.1%	0.1%
E2 - incomplete primary	0.3%	0.2%	0.1%	0.1%	0.1%	0.1%
E3 - primary	1.3%	0.9%	0.4%	0.3%	0.2%	0.2%
E4 - lower secondary	7.8%	6.2%	3.9%	2.4%	1.4%	0.8%
E5 - upper secondary	67.1%	68.3%	69.5%	69.2%	68.0%	66.4%
E6 - post-secondary	23.0%	24.0%	25.9%	27.9%	30.1%	32.4%
Mean years of schooling (in years)	11.6	11.7	11.9	12.0	12.1	12.2
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.35	0.35	0.50	0.62	0.65	0.64
E2 - incomplete primary	0.30	0.31	0.46	0.66	0.77	0.82
E3 - primary	0.44	0.41	0.45	0.59	0.73	0.82
E4 - lower secondary	0.60	0.59	0.59	0.61	0.64	0.68
E5 - upper secondary	0.92	0.92	0.92	0.92	0.93	0.94
E6 - post-secondary	1.64	1.55	1.40	1.30	1.22	1.16
Mean years of schooling (male minus female)	0.3	0.3	0.2	0.2	0.1	0.1
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%
E2 - incomplete primary	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
E3 - primary	0.3%	0.2%	0.1%	0.1%	0.1%	0.0%
E4 - lower secondary	4.5%	2.8%	0.6%	0.2%	0.1%	0.1%
E5 - upper secondary	72.6%	72.7%	72.4%	70.1%	67.4%	65.0%
E6 - post-secondary	22.5%	24.2%	26.8%	29.5%	32.3%	34.9%
Mean years of schooling (in years)	11.6	11.7	11.9	12.1	12.2	12.3

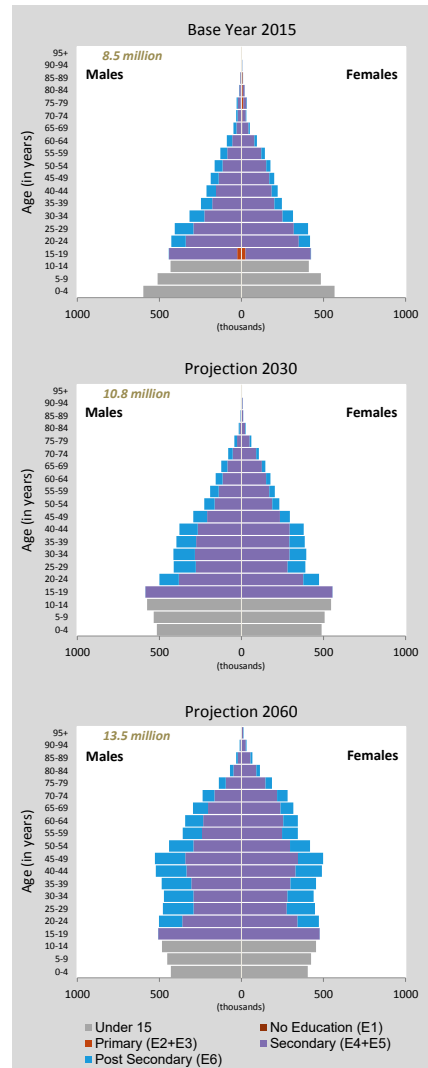
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

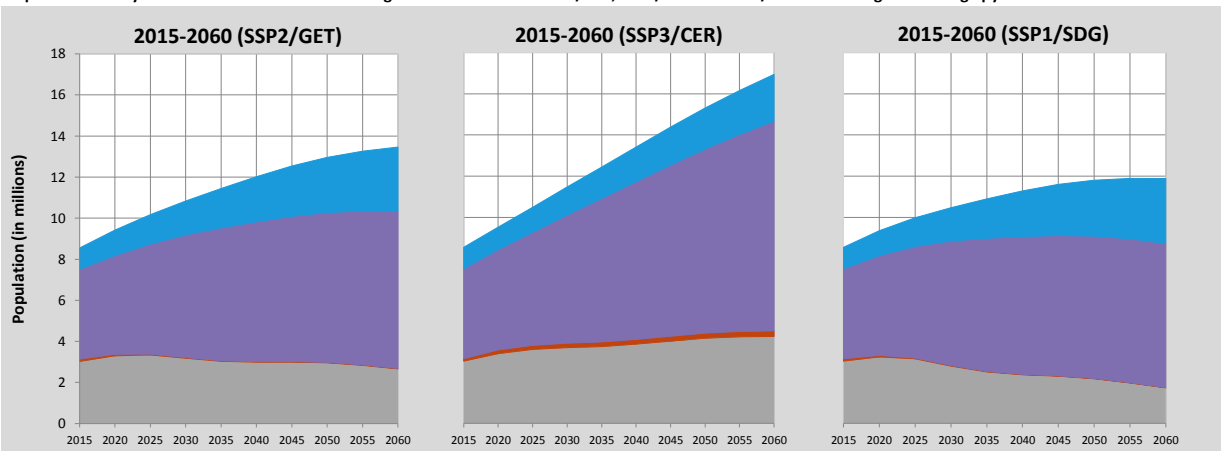
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

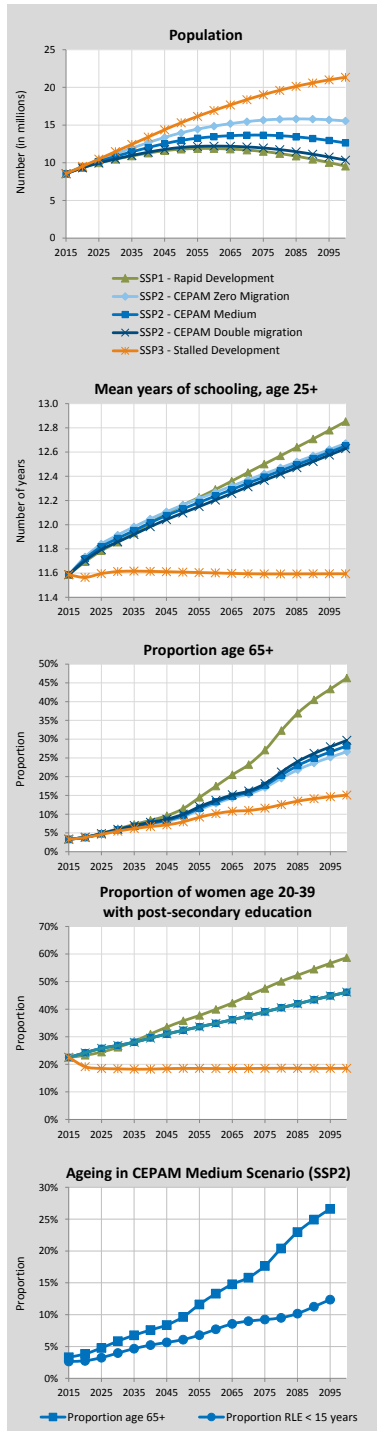
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Tajikistan (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)	2015 2020 2030 2050 2060 2075 2100						
	Population (in millions)						
SSP1 - Rapid Development	8.55	9.35	10.47	11.80	11.89	11.50	9.55
SSP2 - CEPAM Zero Migration	8.55	9.51	11.18	13.97	14.86	15.66	15.55
SSP2 - CEPAM Medium	8.55	9.42	10.84	12.96	13.46	13.67	12.64
SSP2 - CEPAM Double Migration	8.55	9.33	10.50	12.03	12.21	11.96	10.35
SSP3 - Stalled Development	8.55	9.53	11.48	15.31	16.94	19.03	21.35
Proportion age 65+							
SSP1 - Rapid Development	3.3%	3.9%	6.1%	11.5%	17.5%	27.1%	46.3%
SSP2 - CEPAM Zero Migration	3.3%	3.8%	5.7%	9.3%	12.9%	17.1%	26.7%
SSP2 - CEPAM Medium	3.3%	3.8%	5.8%	9.6%	13.3%	17.7%	28.2%
SSP2 - CEPAM Double Migration	3.3%	3.9%	6.0%	10.0%	13.7%	18.2%	29.7%
SSP3 - Stalled Development	3.3%	3.8%	5.5%	8.0%	10.1%	11.6%	15.1%
Proportion below age 20							
SSP1 - Rapid Development	45.3%	43.3%	37.4%	24.8%	20.6%	15.4%	10.2%
SSP2 - CEPAM Zero Migration	45.3%	43.6%	39.5%	30.1%	27.0%	23.1%	18.8%
SSP2 - CEPAM Medium	45.3%	43.7%	39.7%	30.2%	27.0%	22.9%	18.3%
SSP2 - CEPAM Double Migration	45.3%	43.9%	40.0%	30.4%	27.0%	22.7%	17.9%
SSP3 - Stalled Development	45.3%	44.1%	41.9%	35.1%	32.9%	30.2%	27.4%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	22.5%	23.3%	26.2%	35.8%	39.9%	47.5%	58.7%
SSP2 - CEPAM Zero Migration	22.5%	24.2%	26.9%	32.3%	34.9%	39.0%	46.2%
SSP2 - CEPAM Medium	22.5%	24.2%	26.8%	32.3%	34.9%	39.0%	46.1%
SSP2 - CEPAM Double Migration	22.5%	24.2%	26.8%	32.4%	34.8%	39.1%	46.2%
SSP3 - Stalled Development	22.5%	19.1%	18.4%	18.5%	18.5%	18.5%	18.5%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	11.6	11.7	11.9	12.2	12.3	12.5	12.9
SSP2 - CEPAM Zero Migration	11.6	11.7	11.9	12.2	12.3	12.4	12.7
SSP2 - CEPAM Medium	11.6	11.7	11.9	12.1	12.2	12.4	12.7
SSP2 - CEPAM Double Migration	11.6	11.7	11.9	12.1	12.2	12.4	12.6
SSP3 - Stalled Development	11.6	11.6	11.6	11.6	11.6	11.6	11.6

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	2.87	2.35	1.82	1.40	1.33	1.26	1.17
SSP2 - CEPAM Zero Migration	3.08	2.72	2.32	1.88	1.79	1.70	1.59
SSP2 - CEPAM Medium	3.08	2.72	2.32	1.88	1.79	1.70	1.59
SSP2 - CEPAM Double Migration	3.08	2.72	2.32	1.88	1.79	1.70	1.59
SSP3 - Stalled Development	3.30	3.12	2.87	2.43	2.33	2.23	2.10
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	74.9	76.3	78.9	84.3	87.0	91.0	96.3
SSP2 - CEPAM Zero Migration	74.4	75.3	76.9	80.3	82.0	84.5	87.8
SSP2 - CEPAM Medium	74.4	75.3	76.9	80.3	81.9	84.5	87.8
SSP2 - CEPAM Double Migration	74.4	75.2	76.9	80.3	81.9	84.4	87.8
SSP3 - Stalled Development	73.9	74.1	74.7	76.0	76.6	77.6	79.0
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-82.5	-91.3	-103.1	-116.4	-116.6	-111.0	-93.3
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-82.5	-92.0	-106.8	-127.9	-132.1	-132.5	-122.5
SSP2 - CEPAM Double Migration	-165.0	-181.7	-205.3	-233.0	-233.5	-223.4	-191.6
SSP3 - Stalled Development	-55.0	-31.1	-0.1	-0.1	-0.2	-0.2	-0.2

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	22.4	23.5	25.9	32.9	36.5	40.8	47.0
Proportion age 65+	3.3%	3.8%	5.8%	9.6%	13.3%	17.7%	26.6%
Proportion RLE < 15 years	2.2%	2.1%	3.3%	5.6%	6.8%	9.0%	12.0%

Tanzania

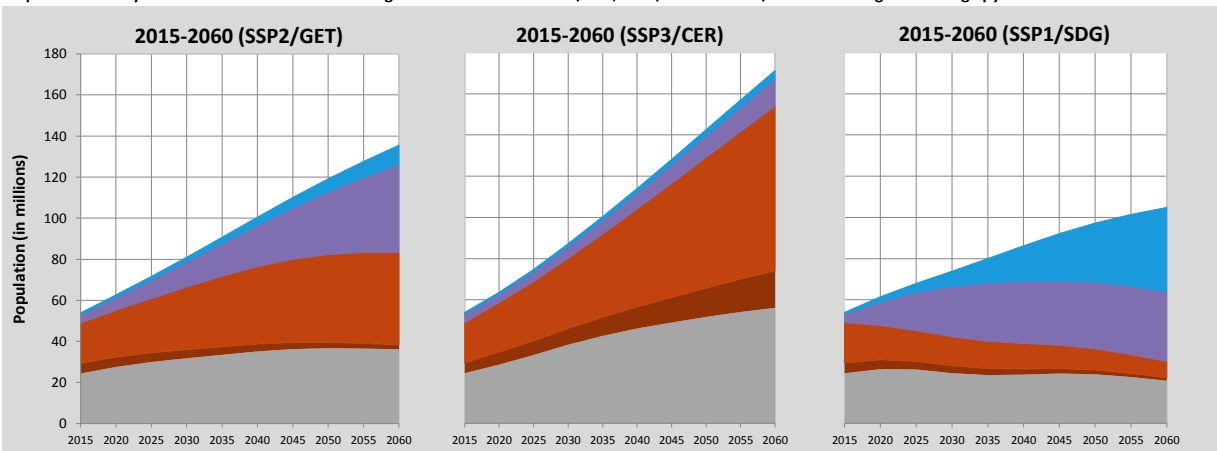
Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	53.88	62.66	81.00	100.52	119.17	135.56
Proportion age 65+	3.1%	3.2%	3.5%	4.3%	5.5%	7.1%
Proportion below age 20	55.7%	54.8%	50.6%	45.3%	40.6%	35.6%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	4.71	4.14	3.36	2.78	2.38	2.23
Life expectancy at birth (in years)						
Male	65.0	65.8	67.3	68.9	70.4	71.1
Female	68.4	69.2	70.7	72.3	73.9	75.5
Five-year net-migration flow (in thousands)	-4.3	-21.2	-59.2	-102.9	-146.2	-166.4

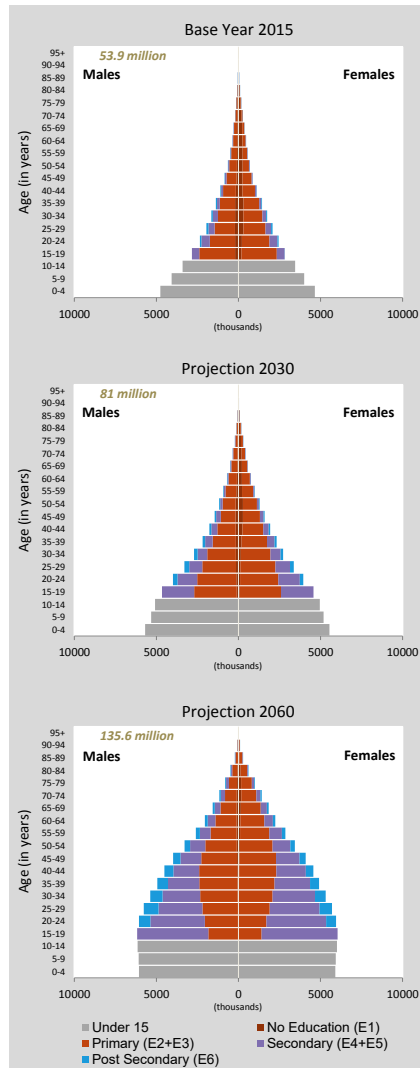
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	22.0%	18.2%	12.0%	7.5%	4.7%	2.9%
E2 - incomplete primary	10.0%	8.6%	5.6%	3.7%	2.4%	1.6%
E3 - primary	52.9%	55.2%	58.7%	58.0%	54.5%	49.1%
E4 - lower secondary	9.4%	10.7%	13.4%	16.2%	18.9%	21.3%
E5 - upper secondary	2.2%	2.9%	4.7%	7.3%	10.5%	14.4%
E6 - post-secondary	3.6%	4.3%	5.7%	7.3%	9.0%	10.8%
Mean years of schooling (in years)	6.6	7.1	8.1	8.9	9.6	10.2
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.54	0.57	0.64	0.72	0.81	0.91
E2 - incomplete primary	1.18	1.12	1.15	1.17	1.21	1.26
E3 - primary	1.10	1.06	1.01	0.99	0.99	1.01
E4 - lower secondary	1.41	1.29	1.10	0.98	0.91	0.88
E5 - upper secondary	1.68	1.42	1.16	1.08	1.03	0.99
E6 - post-secondary	1.67	1.55	1.43	1.35	1.29	1.24
Mean years of schooling (male minus female)	0.6	0.5	0.3	0.2	0.1	0.1
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	12.9%	9.6%	4.7%	2.3%	1.1%	0.5%
E2 - incomplete primary	8.5%	6.1%	2.4%	1.3%	0.7%	0.4%
E3 - primary	57.4%	58.8%	60.3%	55.0%	47.0%	37.4%
E4 - lower secondary	13.3%	14.9%	17.3%	20.2%	23.1%	25.2%
E5 - upper secondary	3.6%	5.3%	8.5%	12.6%	17.5%	23.9%
E6 - post-secondary	4.4%	5.3%	6.8%	8.6%	10.5%	12.7%
Mean years of schooling (in years)	7.5	8.1	9.2	9.9	10.6	11.2

Education scenarios
 SSP2/GET: Global Education Trend Scenario (Medium assumption)
 SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)
 SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

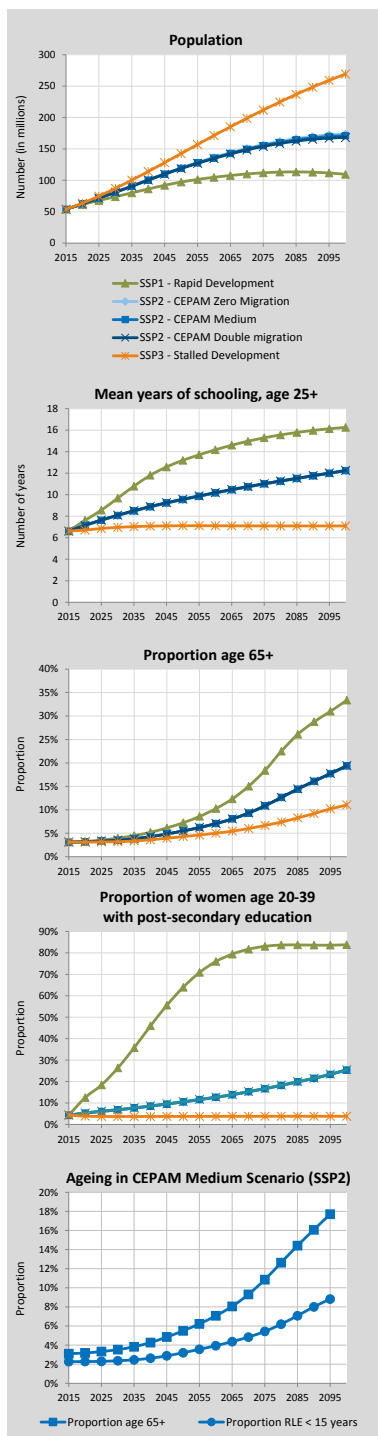
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



Tanzania (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)

	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	53.88	61.47	73.87	97.24	104.84	111.96	109.63
SSP2 - CEPAM Zero Migration	53.88	62.66	81.05	119.58	136.29	156.77	173.85
SSP2 - CEPAM Medium	53.88	62.66	81.00	119.17	135.56	155.40	171.10
SSP2 - CEPAM Double Migration	53.88	62.66	80.95	118.75	134.81	153.97	168.31
SSP3 - Stalled Development	53.88	63.65	87.25	142.62	171.28	211.94	269.29
Proportion age 65+							
SSP1 - Rapid Development	3.1%	3.3%	4.0%	7.3%	10.3%	18.4%	33.4%
SSP2 - CEPAM Zero Migration	3.1%	3.2%	3.5%	5.5%	7.1%	10.8%	19.3%
SSP2 - CEPAM Medium	3.1%	3.2%	3.5%	5.5%	7.1%	10.9%	19.4%
SSP2 - CEPAM Double Migration	3.1%	3.2%	3.5%	5.5%	7.1%	10.9%	19.4%
SSP3 - Stalled Development	3.1%	3.1%	3.2%	4.3%	5.0%	6.7%	11.0%
Proportion below age 20							
SSP1 - Rapid Development	55.7%	53.9%	45.6%	32.6%	27.5%	21.1%	14.8%
SSP2 - CEPAM Zero Migration	55.7%	54.8%	50.6%	40.5%	35.6%	29.9%	23.7%
SSP2 - CEPAM Medium	55.7%	54.8%	50.6%	40.6%	35.6%	30.0%	23.8%
SSP2 - CEPAM Double Migration	55.7%	54.8%	50.7%	40.6%	35.7%	30.1%	23.9%
SSP3 - Stalled Development	55.7%	55.6%	54.4%	46.9%	42.7%	37.6%	33.1%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	4.4%	12.5%	26.4%	64.0%	76.0%	83.1%	83.8%
SSP2 - CEPAM Zero Migration	4.4%	5.2%	6.7%	10.4%	12.6%	16.6%	25.3%
SSP2 - CEPAM Medium	4.4%	5.3%	6.8%	10.5%	12.7%	16.7%	25.4%
SSP2 - CEPAM Double Migration	4.4%	5.4%	6.9%	10.6%	12.8%	16.8%	25.5%
SSP3 - Stalled Development	4.4%	3.9%	3.7%	3.7%	3.8%	3.8%	3.8%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	6.6	7.6	9.7	13.2	14.2	15.3	16.3
SSP2 - CEPAM Zero Migration	6.6	7.1	8.0	9.5	10.1	11.0	12.2
SSP2 - CEPAM Medium	6.6	7.1	8.1	9.6	10.2	11.0	12.2
SSP2 - CEPAM Double Migration	6.6	7.2	8.1	9.6	10.2	11.0	12.3
SSP3 - Stalled Development	6.6	6.7	7.0	7.1	7.1	7.1	7.1

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	4.18	3.19	2.32	1.74	1.57	1.41	1.29
SSP2 - CEPAM Zero Migration	4.71	4.14	3.36	2.38	2.12	1.90	1.75
SSP2 - CEPAM Medium	4.71	4.14	3.36	2.38	2.12	1.90	1.75
SSP2 - CEPAM Double Migration	4.71	4.14	3.36	2.38	2.12	1.90	1.75
SSP3 - Stalled Development	5.18	5.00	4.38	3.07	2.73	2.51	2.42
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	68.9	70.5	73.5	78.9	81.5	85.6	90.9
SSP2 - CEPAM Zero Migration	68.4	69.2	70.7	73.9	75.5	77.9	81.1
SSP2 - CEPAM Medium	68.4	69.2	70.7	73.9	75.5	77.9	81.1
SSP2 - CEPAM Double Migration	68.4	69.2	70.8	73.9	75.5	77.9	81.1
SSP3 - Stalled Development	67.8	68.0	68.3	68.9	69.1	69.5	70.2
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-4.2	-18.5	-43.2	-96.7	-116.8	-139.8	-148.1
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-4.3	-21.2	-59.2	-146.2	-185.8	-236.2	-274.9
SSP2 - CEPAM Double Migration	-8.6	-43.3	-120.8	-296.1	-374.7	-473.0	-545.0
SSP3 - Stalled Development	-2.9	-7.6	-0.1	-0.2	-0.2	-0.3	-0.4

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	17.3	17.8	19.7	25.1	28.2	33.1	38.9
Proportion age 65+	3.1%	3.2%	3.5%	5.5%	7.1%	10.9%	17.7%
Proportion RLE < 15 years	2.3%	2.4%	2.5%	3.3%	4.1%	5.5%	8.9%

Thailand

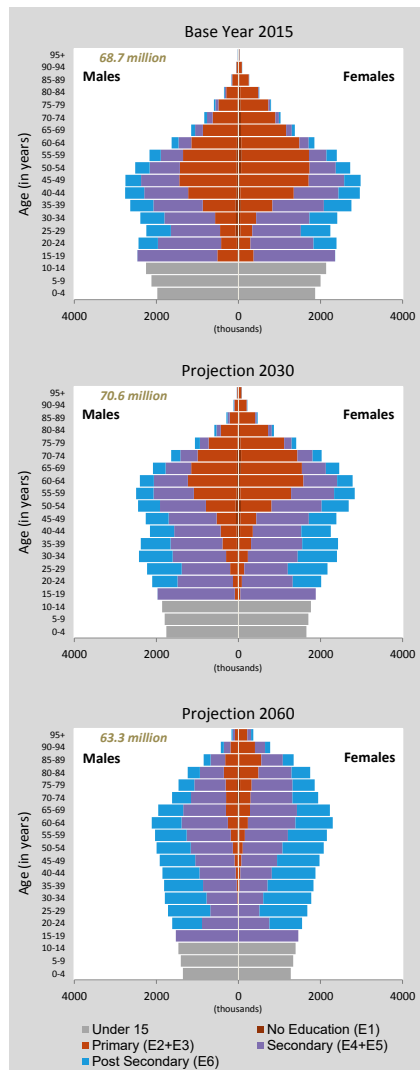
Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	68.66	69.71	70.59	69.63	66.87	63.25
Proportion age 65+	10.6%	12.8%	18.9%	24.7%	27.3%	28.4%
Proportion below age 20	25.0%	22.9%	20.4%	19.2%	18.3%	17.7%
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	1.54	1.52	1.52	1.53	1.53	1.54
Life expectancy at birth (in years)						
Male	71.9	72.7	74.2	75.7	77.2	77.9
Female	79.3	80.0	81.2	82.4	83.7	84.9
Five-year net-migration flow (in thousands)	202.9	226.2	271.9	317.0	360.0	378.5

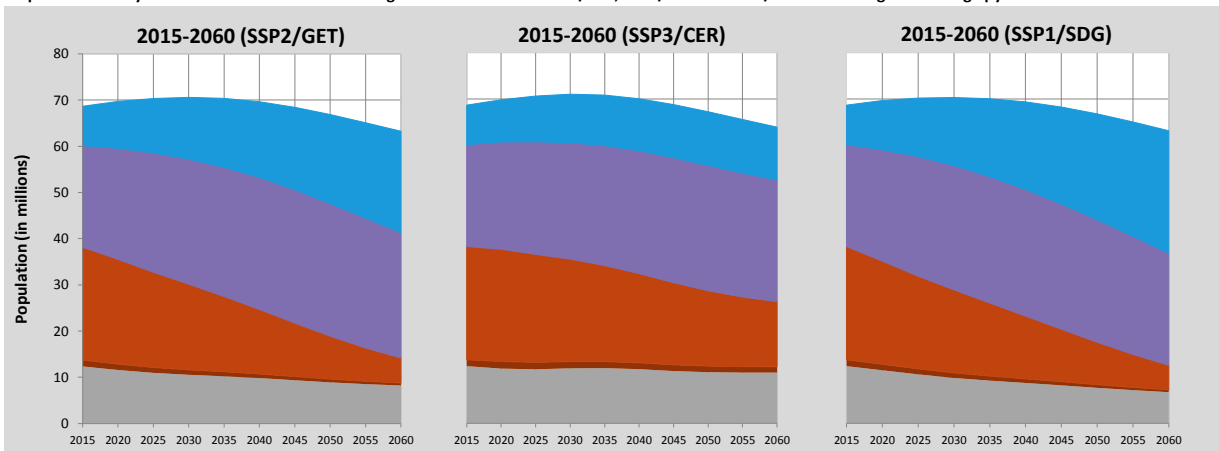
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	2.7%	2.4%	2.0%	1.7%	1.4%	1.1%
E2 - incomplete primary	2.9%	2.8%	2.5%	2.3%	2.0%	1.6%
E3 - primary	46.3%	41.6%	32.5%	24.0%	16.0%	9.4%
E4 - lower secondary	10.9%	11.6%	12.4%	12.5%	12.0%	10.7%
E5 - upper secondary	21.2%	23.4%	27.5%	31.0%	33.8%	35.4%
E6 - post-secondary	16.0%	18.3%	23.1%	28.5%	34.7%	41.8%
Mean years of schooling (in years)	9.7	10.0	10.6	11.3	11.9	12.6
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.85	0.87	0.99	1.05	1.08	1.06
E2 - incomplete primary	0.91	0.94	0.94	0.96	0.95	0.92
E3 - primary	0.91	0.91	0.90	0.89	0.89	0.94
E4 - lower secondary	1.32	1.30	1.27	1.25	1.23	1.22
E5 - upper secondary	1.08	1.06	1.06	1.06	1.06	1.07
E6 - post-secondary	1.02	1.00	0.96	0.94	0.93	0.91
Mean years of schooling (male minus female)	0.1	0.1	0.0	0.0	-0.1	-0.1
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	2.2%	1.7%	1.0%	0.6%	0.4%	0.2%
E2 - incomplete primary	2.7%	2.2%	1.4%	1.0%	0.5%	0.2%
E3 - primary	16.7%	12.1%	7.5%	3.5%	1.6%	0.7%
E4 - lower secondary	17.1%	16.1%	12.6%	9.3%	6.1%	3.8%
E5 - upper secondary	36.4%	39.3%	41.7%	42.2%	40.8%	37.2%
E6 - post-secondary	24.9%	28.6%	35.8%	43.3%	50.7%	57.9%
Mean years of schooling (in years)	11.4	11.9	12.7	13.4	13.9	14.3

Education scenarios
 SSP2/GET: Global Education Trend Scenario (Medium assumption)
 SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)
 SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

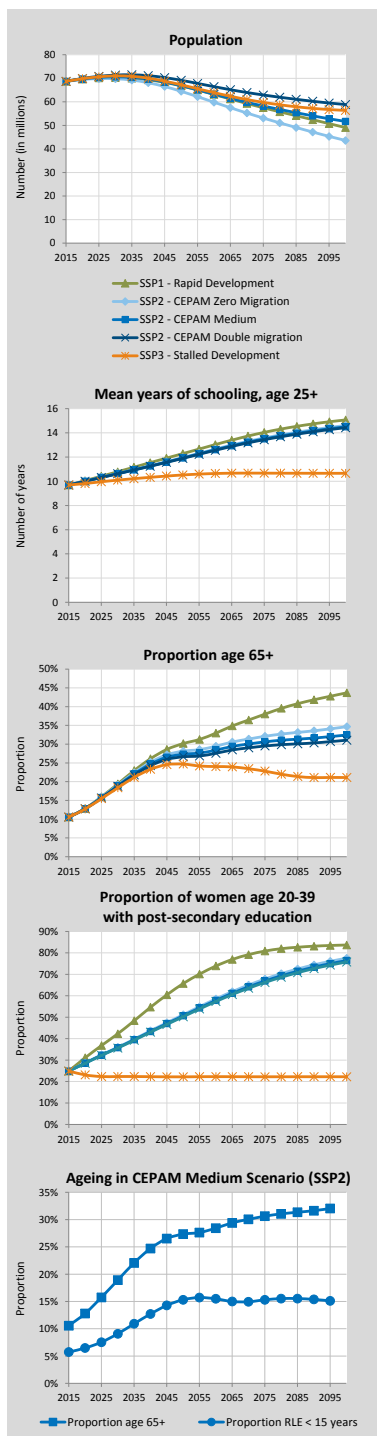
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Thailand (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	68.66	69.65	70.30	66.78	63.14	57.48	49.08
SSP2 - CEPAM Zero Migration	68.66	69.49	69.80	64.47	59.84	53.11	43.61
SSP2 - CEPAM Medium	68.66	69.71	70.59	66.87	63.25	58.22	51.68
SSP2 - CEPAM Double Migration	68.66	69.92	71.36	69.15	66.45	62.91	58.85
SSP3 - Stalled Development	68.66	69.82	71.02	67.23	63.91	59.77	56.35
Proportion age 65+							
SSP1 - Rapid Development	10.6%	12.9%	19.4%	30.2%	33.0%	38.0%	43.7%
SSP2 - CEPAM Zero Migration	10.6%	12.8%	19.1%	28.1%	29.5%	32.1%	34.7%
SSP2 - CEPAM Medium	10.6%	12.8%	18.9%	27.3%	28.4%	30.6%	32.4%
SSP2 - CEPAM Double Migration	10.6%	12.7%	18.7%	26.6%	27.6%	29.5%	31.1%
SSP3 - Stalled Development	10.6%	12.7%	18.4%	24.7%	24.0%	22.8%	21.1%
Proportion below age 20							
SSP1 - Rapid Development	25.0%	22.7%	19.4%	15.9%	14.8%	13.8%	12.7%
SSP2 - CEPAM Zero Migration	25.0%	22.9%	20.3%	18.0%	17.4%	17.0%	16.5%
SSP2 - CEPAM Medium	25.0%	22.9%	20.4%	18.3%	17.7%	17.5%	17.2%
SSP2 - CEPAM Double Migration	25.0%	22.9%	20.5%	18.5%	18.0%	17.9%	17.7%
SSP3 - Stalled Development	25.0%	23.2%	22.1%	22.2%	22.8%	24.0%	25.1%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	24.9%	31.1%	42.3%	65.7%	73.9%	80.9%	83.7%
SSP2 - CEPAM Zero Migration	24.9%	28.7%	36.0%	51.2%	58.6%	67.8%	77.5%
SSP2 - CEPAM Medium	24.9%	28.6%	35.8%	50.7%	57.9%	66.9%	76.4%
SSP2 - CEPAM Double Migration	24.9%	28.5%	35.6%	50.2%	57.3%	66.2%	75.8%
SSP3 - Stalled Development	24.9%	23.1%	22.3%	22.2%	22.3%	22.2%	22.2%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	9.7	10.1	10.8	12.3	13.0	14.0	15.1
SSP2 - CEPAM Zero Migration	9.7	10.0	10.6	12.0	12.7	13.6	14.6
SSP2 - CEPAM Medium	9.7	10.0	10.6	11.9	12.6	13.5	14.5
SSP2 - CEPAM Double Migration	9.7	10.0	10.6	11.9	12.6	13.4	14.4
SSP3 - Stalled Development	9.7	9.8	10.1	10.5	10.6	10.7	10.7

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.48	1.41	1.35	1.34	1.35	1.37	1.40
SSP2 - CEPAM Zero Migration	1.54	1.52	1.52	1.53	1.54	1.56	1.60
SSP2 - CEPAM Medium	1.54	1.52	1.52	1.53	1.54	1.56	1.60
SSP2 - CEPAM Double Migration	1.54	1.52	1.52	1.53	1.54	1.56	1.60
SSP3 - Stalled Development	1.65	1.75	1.88	1.97	1.98	2.03	2.10
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	79.8	81.0	83.2	87.7	90.0	93.4	98.0
SSP2 - CEPAM Zero Migration	79.3	80.0	81.2	83.7	85.0	86.9	89.3
SSP2 - CEPAM Medium	79.3	80.0	81.2	83.7	84.9	86.8	89.3
SSP2 - CEPAM Double Migration	79.3	80.0	81.2	83.7	84.9	86.8	89.3
SSP3 - Stalled Development	78.8	78.9	79.0	79.2	79.2	79.3	79.6
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	203.2	224.2	258.2	316.8	334.7	343.1	324.9
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	202.9	226.2	271.9	360.0	394.2	425.4	436.9
SSP2 - CEPAM Double Migration	405.9	448.4	530.2	685.0	742.4	789.9	796.4
SSP3 - Stalled Development	135.2	76.6	0.3	0.4	0.5	0.6	0.7

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	37.8	40.0	43.1	47.7	48.8	49.5	50.5
Proportion age 65+	10.6%	12.8%	18.9%	27.3%	28.4%	30.6%	32.0%
Proportion RLE < 15 years	5.6%	6.3%	8.7%	15.6%	16.2%	15.6%	15.5%

Togo

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	7.42	8.31	9.94	11.47	12.70	13.59
Proportion age 65+	2.8%	2.9%	3.5%	4.6%	6.4%	8.3%
Proportion below age 20	52.3%	50.8%	44.9%	38.9%	34.4%	30.1%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	4.05	3.40	2.69	2.23	1.98	1.90
Life expectancy at birth (in years)						
Male	59.7	60.7	62.8	64.9	67.0	68.1
Female	61.4	62.6	65.0	67.4	69.9	72.3
Five-year net-migration flow (in thousands)	-7.6	-11.7	-19.1	-26.4	-32.1	-34.3

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	38.6%	33.1%	23.3%	16.1%	11.0%	7.3%
E2 - incomplete primary	20.6%	20.7%	20.8%	19.7%	17.5%	14.9%
E3 - primary	22.9%	24.8%	28.5%	30.1%	30.3%	29.3%
E4 - lower secondary	7.3%	8.3%	10.5%	12.9%	15.1%	17.1%
E5 - upper secondary	6.2%	8.0%	10.7%	13.8%	17.3%	21.1%
E6 - post-secondary	4.3%	5.1%	6.2%	7.5%	8.8%	10.3%
Mean years of schooling (in years)	4.6	5.2	6.3	7.2	8.1	8.9
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.45	0.43	0.42	0.41	0.42	0.42
E2 - incomplete primary	0.88	0.84	0.77	0.72	0.67	0.62
E3 - primary	1.67	1.46	1.19	1.04	0.95	0.86
E4 - lower secondary	2.74	2.25	1.64	1.31	1.14	1.02
E5 - upper secondary	4.12	2.96	2.25	1.87	1.64	1.49
E6 - post-secondary	4.59	3.72	2.93	2.61	2.44	2.35
Mean years of schooling (male minus female)	1.7	1.6	1.4	1.2	1.1	1.0
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	24.7%	19.0%	10.7%	6.9%	3.9%	2.0%
E2 - incomplete primary	22.8%	21.7%	19.8%	17.0%	13.0%	9.0%
E3 - primary	27.9%	30.1%	33.0%	32.1%	29.6%	25.9%
E4 - lower secondary	9.3%	10.7%	14.0%	16.7%	19.0%	20.8%
E5 - upper secondary	9.7%	11.9%	15.6%	19.3%	24.6%	30.4%
E6 - post-secondary	5.7%	6.6%	6.9%	8.1%	9.8%	11.8%
Mean years of schooling (in years)	4.3	5.3	6.7	7.6	8.6	9.5

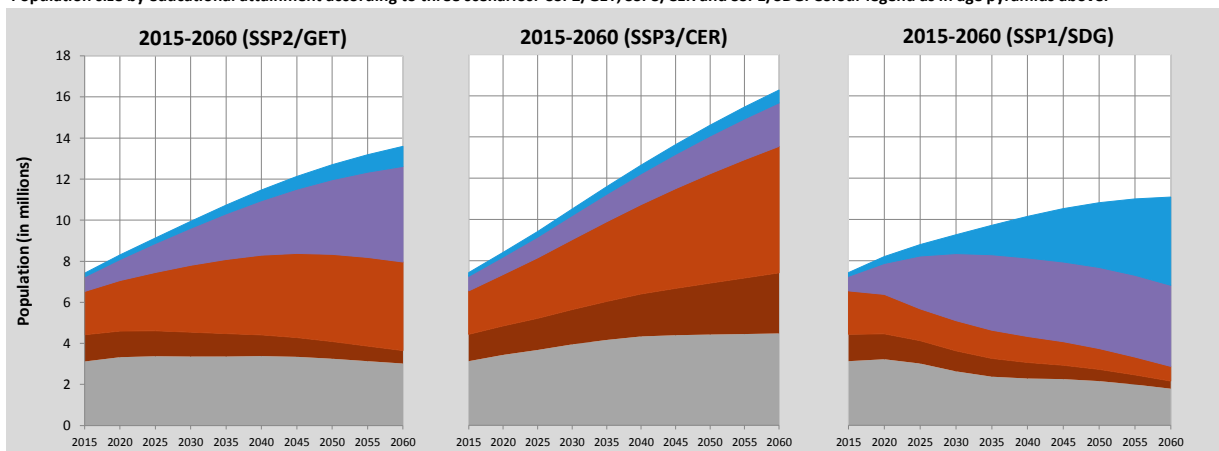
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

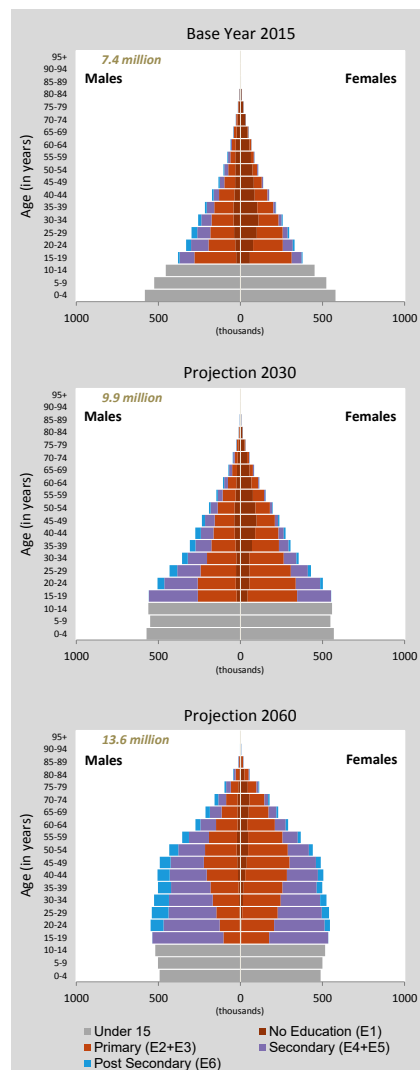
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

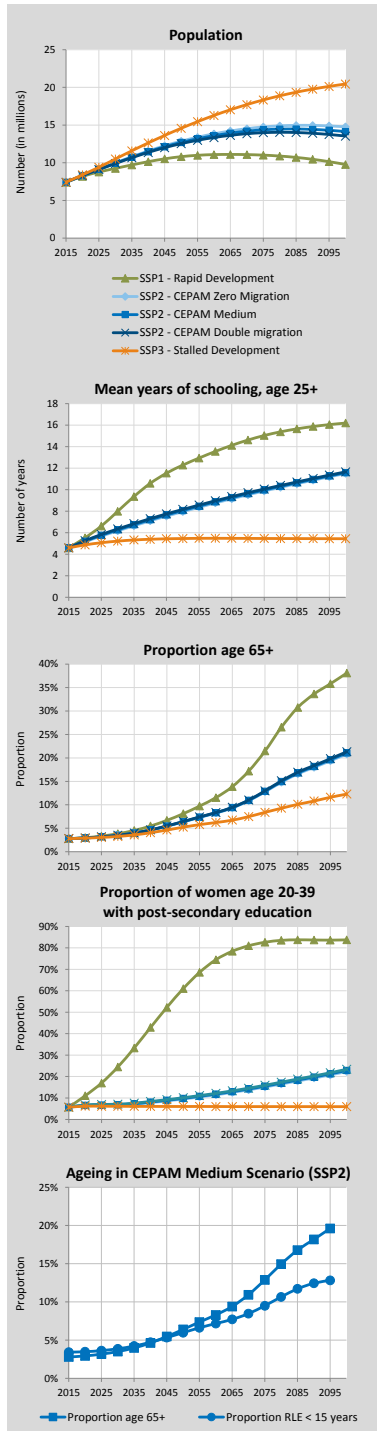
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



Togo (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)

	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	7.42	8.19	9.25	10.81	11.08	11.01	9.78
SSP2 - CEPAM Zero Migration	7.42	8.32	9.99	12.86	13.84	14.75	14.77
SSP2 - CEPAM Medium	7.42	8.31	9.94	12.70	13.59	14.37	14.14
SSP2 - CEPAM Double Migration	7.42	8.30	9.90	12.54	13.35	13.99	13.55
SSP3 - Stalled Development	7.42	8.40	10.50	14.57	16.28	18.34	20.45
Proportion age 65+							
SSP1 - Rapid Development	2.8%	3.0%	3.8%	8.1%	11.5%	21.5%	38.1%
SSP2 - CEPAM Zero Migration	2.8%	2.9%	3.5%	6.4%	8.2%	12.8%	20.8%
SSP2 - CEPAM Medium	2.8%	2.9%	3.5%	6.4%	8.3%	12.9%	21.1%
SSP2 - CEPAM Double Migration	2.8%	2.9%	3.5%	6.4%	8.4%	13.0%	21.3%
SSP3 - Stalled Development	2.8%	2.9%	3.3%	5.2%	6.2%	8.4%	12.3%
Proportion below age 20							
SSP1 - Rapid Development	52.3%	50.1%	40.4%	26.9%	22.6%	17.3%	12.7%
SSP2 - CEPAM Zero Migration	52.3%	50.8%	44.9%	34.3%	30.0%	25.8%	21.6%
SSP2 - CEPAM Medium	52.3%	50.8%	44.9%	34.4%	30.1%	25.8%	21.6%
SSP2 - CEPAM Double Migration	52.3%	50.9%	45.0%	34.5%	30.2%	25.8%	21.6%
SSP3 - Stalled Development	52.3%	51.4%	48.0%	40.0%	36.2%	32.6%	29.9%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	5.7%	11.0%	24.5%	61.0%	74.5%	82.6%	83.8%
SSP2 - CEPAM Zero Migration	5.7%	6.4%	6.6%	9.5%	11.5%	15.1%	22.3%
SSP2 - CEPAM Medium	5.7%	6.6%	6.9%	9.8%	11.8%	15.5%	22.8%
SSP2 - CEPAM Double Migration	5.7%	6.8%	7.1%	10.1%	12.2%	16.0%	23.4%
SSP3 - Stalled Development	5.7%	6.2%	6.1%	6.0%	6.0%	6.0%	6.0%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	4.6	5.5	8.0	12.3	13.6	15.0	16.2
SSP2 - CEPAM Zero Migration	4.6	5.2	6.2	8.0	8.8	9.9	11.5
SSP2 - CEPAM Medium	4.6	5.2	6.3	8.1	8.9	10.0	11.6
SSP2 - CEPAM Double Migration	4.6	5.3	6.4	8.2	9.0	10.1	11.7
SSP3 - Stalled Development	4.6	4.9	5.2	5.5	5.5	5.5	5.4

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	3.65	2.65	1.82	1.40	1.32	1.26	1.21
SSP2 - CEPAM Zero Migration	4.05	3.40	2.69	1.97	1.84	1.73	1.67
SSP2 - CEPAM Medium	4.05	3.40	2.69	1.98	1.84	1.73	1.67
SSP2 - CEPAM Double Migration	4.04	3.40	2.69	1.98	1.84	1.73	1.67
SSP3 - Stalled Development	4.40	4.03	3.47	2.55	2.35	2.25	2.23
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	61.9	64.0	68.2	75.1	78.5	83.8	91.0
SSP2 - CEPAM Zero Migration	61.4	62.6	65.0	69.8	72.2	75.9	80.8
SSP2 - CEPAM Medium	61.4	62.6	65.0	69.9	72.3	75.9	80.8
SSP2 - CEPAM Double Migration	61.4	62.6	65.0	69.9	72.3	76.0	80.8
SSP3 - Stalled Development	60.8	61.4	62.5	64.7	65.8	67.5	70.0
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-7.6	-11.1	-15.5	-22.4	-23.7	-23.9	-20.6
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-7.6	-11.7	-19.1	-32.1	-36.1	-39.7	-38.9
SSP2 - CEPAM Double Migration	-15.3	-23.5	-38.4	-63.7	-71.1	-76.6	-72.6
SSP3 - Stalled Development	-5.1	-4.0	0.0	0.0	0.0	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	18.9	19.6	22.5	29.3	32.5	37.3	42.2
Proportion age 65+	2.8%	2.9%	3.5%	6.4%	8.3%	12.9%	19.6%
Proportion RLE < 15 years	3.5%	3.5%	3.9%	5.9%	7.1%	9.2%	12.6%

Tonga

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	0.11	0.11	0.11	0.11	0.10	0.09
Proportion age 65+	5.9%	6.0%	8.0%	10.8%	13.0%	14.6%
Proportion below age 20	47.5%	45.6%	38.7%	35.0%	32.4%	26.8%
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	3.32	2.91	2.46	2.13	1.94	1.87
Life expectancy at birth (in years)						
Male	70.2	71.4	73.7	76.0	78.3	79.5
Female	76.3	77.3	79.5	81.7	83.8	85.9
Five-year net-migration flow (in thousands)	-7.2	-7.3	-7.2	-7.1	-6.7	-6.4

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	1.0%	0.9%	0.6%	0.5%	0.4%	0.3%
E2 - incomplete primary	0.8%	0.7%	0.4%	0.3%	0.2%	0.2%
E3 - primary	18.5%	14.9%	8.7%	4.9%	2.8%	1.5%
E4 - lower secondary	49.6%	49.9%	48.6%	45.0%	41.0%	36.1%
E5 - upper secondary	15.6%	17.8%	23.1%	27.9%	31.6%	35.1%
E6 - post-secondary	14.5%	15.8%	18.6%	21.5%	24.0%	26.9%
Mean years of schooling (in years)	10.6	10.9	11.6	12.2	12.7	13.0
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.87	0.83	0.77	0.75	0.72	0.68
E2 - incomplete primary	0.99	1.00	0.97	0.97	0.98	0.98
E3 - primary	0.87	0.85	0.78	0.75	0.77	0.83
E4 - lower secondary	1.02	1.03	1.06	1.09	1.11	1.15
E5 - upper secondary	0.99	0.99	1.00	1.00	1.00	1.02
E6 - post-secondary	1.13	1.08	0.99	0.91	0.86	0.82
Mean years of schooling (male minus female)	0.1	0.1	0.1	0.0	-0.1	-0.1
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	0.5%	0.4%	0.2%	0.1%	0.0%	0.0%
E2 - incomplete primary	0.2%	0.2%	0.1%	0.0%	0.0%	0.0%
E3 - primary	6.3%	3.9%	0.8%	0.3%	0.1%	0.1%
E4 - lower secondary	52.6%	49.1%	42.5%	35.3%	27.4%	19.7%
E5 - upper secondary	24.6%	28.8%	35.3%	39.5%	44.2%	48.0%
E6 - post-secondary	15.9%	17.7%	21.2%	24.8%	28.2%	32.1%
Mean years of schooling (in years)	11.5	11.9	12.9	13.5	13.9	14.2

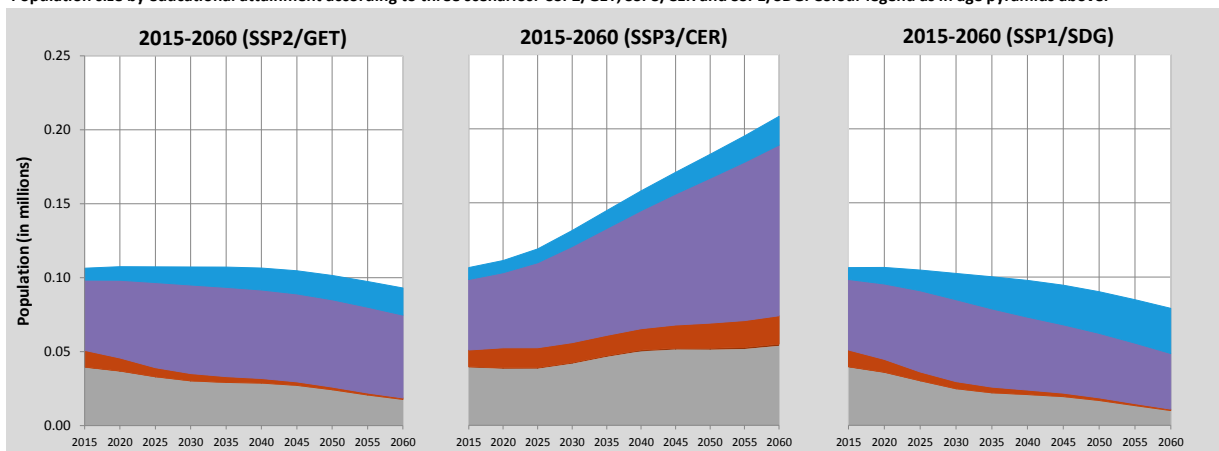
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

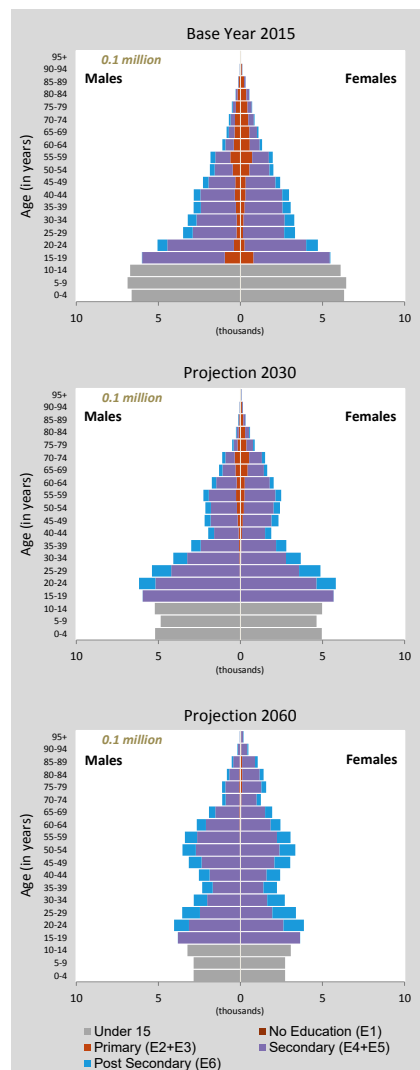
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

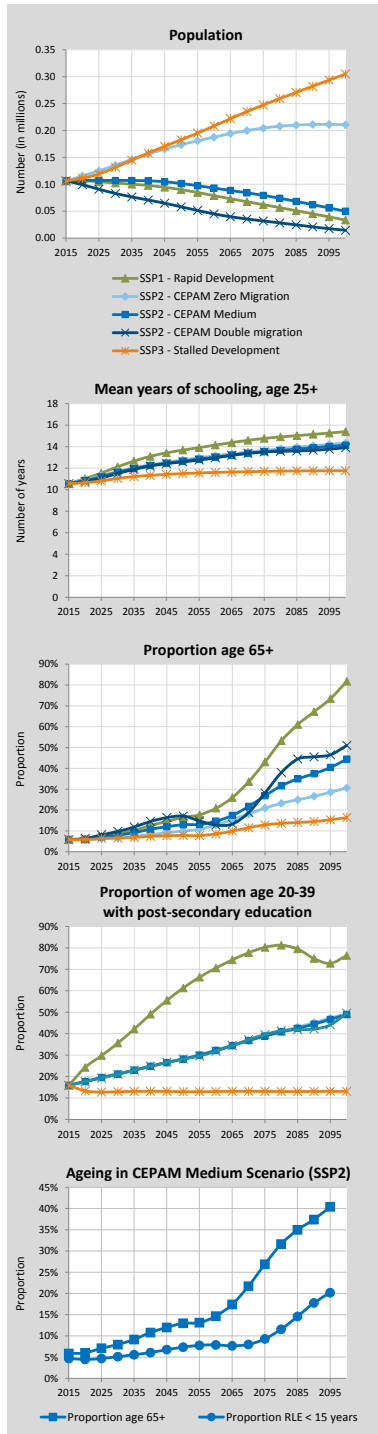
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



Tonga (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	0.11	0.11	0.10	0.09	0.08	0.06	0.03
SSP2 - CEPAM Zero Migration	0.11	0.12	0.14	0.17	0.19	0.20	0.21
SSP2 - CEPAM Medium	0.11	0.11	0.11	0.10	0.09	0.08	0.05
SSP2 - CEPAM Double Migration	0.11	0.10	0.08	0.06	0.05	0.03	0.01
SSP3 - Stalled Development	0.11	0.11	0.13	0.18	0.21	0.25	0.30
Proportion age 65+							
SSP1 - Rapid Development	5.9%	6.1%	8.6%	16.5%	20.8%	43.1%	81.7%
SSP2 - CEPAM Zero Migration	5.9%	5.7%	6.7%	9.9%	12.8%	20.9%	30.6%
SSP2 - CEPAM Medium	5.9%	6.0%	8.0%	13.0%	14.6%	26.9%	44.4%
SSP2 - CEPAM Double Migration	5.9%	6.4%	9.7%	17.1%	12.8%	28.2%	51.0%
SSP3 - Stalled Development	5.9%	5.8%	6.5%	7.8%	8.6%	12.9%	16.4%
Proportion below age 20							
SSP1 - Rapid Development	47.5%	45.1%	35.2%	25.4%	19.0%	11.9%	1.7%
SSP2 - CEPAM Zero Migration	47.5%	44.3%	37.7%	30.7%	26.3%	22.9%	18.1%
SSP2 - CEPAM Medium	47.5%	45.6%	38.7%	32.4%	26.8%	22.3%	14.2%
SSP2 - CEPAM Double Migration	47.5%	47.2%	39.8%	36.4%	29.1%	23.5%	9.7%
SSP3 - Stalled Development	47.5%	45.7%	41.1%	37.2%	33.8%	32.2%	29.3%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	15.9%	24.3%	35.6%	61.3%	70.6%	80.3%	76.5%
SSP2 - CEPAM Zero Migration	15.9%	17.8%	21.3%	28.3%	32.4%	39.0%	49.2%
SSP2 - CEPAM Medium	15.9%	17.7%	21.2%	28.2%	32.1%	38.9%	48.9%
SSP2 - CEPAM Double Migration	15.9%	17.6%	21.1%	28.1%	31.8%	39.6%	49.6%
SSP3 - Stalled Development	15.9%	13.3%	12.9%	12.9%	13.0%	13.1%	13.1%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	10.6	11.0	12.1	13.7	14.1	14.8	15.4
SSP2 - CEPAM Zero Migration	10.6	10.9	11.7	12.8	13.2	13.7	14.3
SSP2 - CEPAM Medium	10.6	10.9	11.6	12.7	13.0	13.5	14.1
SSP2 - CEPAM Double Migration	10.6	10.8	11.5	12.6	13.0	13.5	13.9
SSP3 - Stalled Development	10.6	10.6	11.0	11.5	11.6	11.7	11.8

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	3.04	2.42	1.83	1.39	1.32	1.24	1.16
SSP2 - CEPAM Zero Migration	3.32	2.91	2.45	1.94	1.82	1.71	1.59
SSP2 - CEPAM Medium	3.32	2.91	2.46	1.94	1.82	1.71	1.59
SSP2 - CEPAM Double Migration	3.33	2.91	2.46	1.94	1.82	1.71	1.88
SSP3 - Stalled Development	3.63	3.45	3.15	2.64	2.53	2.45	2.37
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	76.8	78.4	81.6	87.8	90.8	95.2	33.8
SSP2 - CEPAM Zero Migration	76.3	77.3	79.5	83.8	86.0	89.2	93.4
SSP2 - CEPAM Medium	76.3	77.3	79.5	83.8	85.9	89.1	93.0
SSP2 - CEPAM Double Migration	76.3	77.3	79.5	83.8	85.7	88.5	34.4
SSP3 - Stalled Development	75.7	76.2	77.3	79.4	80.4	82.0	84.1
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-7.2	-7.2	-6.9	-6.0	-5.2	-4.0	-2.3
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-7.2	-7.3	-7.2	-6.7	-6.1	-5.1	-3.4
SSP2 - CEPAM Double Migration	-14.5	-13.4	-11.0	-7.4	-5.5	-3.7	-1.5
SSP3 - Stalled Development	-4.8	-2.5	0.0	0.0	0.0	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	21.3	22.2	25.1	32.3	36.4	44.1	58.2
Proportion age 65+	5.9%	6.0%	8.0%	13.0%	14.6%	26.9%	40.4%
Proportion RLE < 15 years	4.5%	4.4%	4.8%	7.6%	8.8%	8.8%	20.0%

Trinidad and Tobago

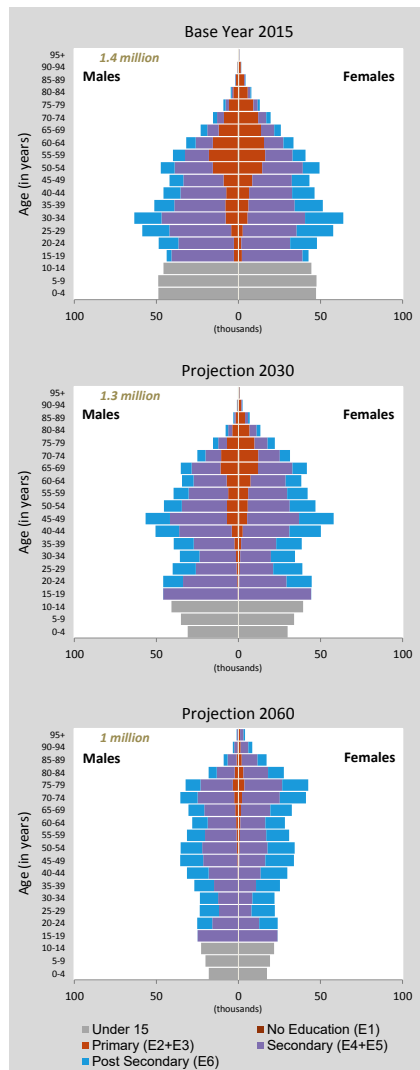
Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	1.36	1.35	1.29	1.20	1.10	0.98
Proportion age 65+	9.4%	11.1%	16.1%	19.8%	26.4%	30.9%
Proportion below age 20	27.1%	26.8%	23.3%	19.4%	18.3%	17.1%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	1.70	1.58	1.49	1.45	1.44	1.44
Life expectancy at birth (in years)						
Male	67.4	68.6	71.2	73.7	76.3	77.5
Female	74.5	75.7	78.0	80.3	82.6	84.9
Five-year net-migration flow (in thousands)	-30.6	-29.8	-27.0	-23.7	-20.3	-18.4

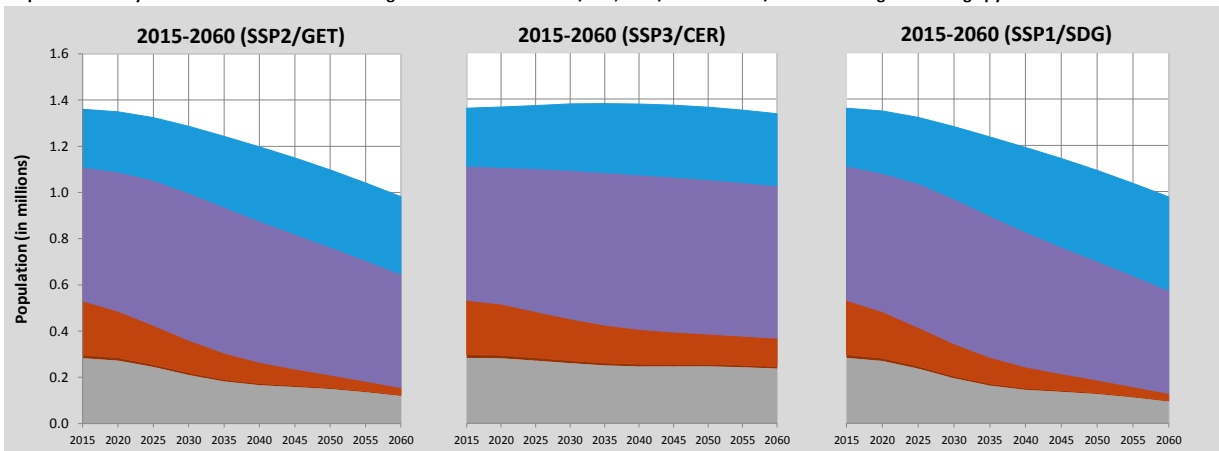
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	1.5%	1.3%	1.0%	0.8%	0.7%	0.6%
E2 - incomplete primary	6.3%	5.0%	3.1%	1.7%	0.9%	0.5%
E3 - primary	19.0%	16.7%	12.5%	8.5%	5.6%	3.6%
E4 - lower secondary	22.8%	22.6%	21.4%	19.1%	16.4%	13.6%
E5 - upper secondary	26.4%	28.7%	32.9%	36.7%	39.2%	40.6%
E6 - post-secondary	24.0%	25.7%	29.1%	33.2%	37.2%	41.1%
Mean years of schooling (in years)	11.1	11.4	11.9	12.4	12.9	13.2
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.84	0.90	0.95	0.94	0.89	0.83
E2 - incomplete primary	0.99	0.99	0.97	0.95	0.95	0.97
E3 - primary	1.05	1.04	1.02	1.00	1.00	1.03
E4 - lower secondary	1.19	1.20	1.24	1.27	1.29	1.31
E5 - upper secondary	1.00	1.01	1.04	1.08	1.11	1.14
E6 - post-secondary	0.83	0.82	0.81	0.81	0.80	0.80
Mean years of schooling (male minus female)	-0.1	-0.1	-0.1	-0.2	-0.2	-0.2
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	0.7%	0.6%	0.4%	0.2%	0.2%	0.1%
E2 - incomplete primary	0.8%	0.6%	0.2%	0.1%	0.1%	0.1%
E3 - primary	7.4%	5.5%	2.6%	1.2%	0.7%	0.4%
E4 - lower secondary	23.7%	20.9%	13.8%	9.1%	5.9%	3.6%
E5 - upper secondary	36.7%	40.1%	47.3%	48.5%	47.1%	45.2%
E6 - post-secondary	30.8%	32.3%	35.7%	40.9%	46.1%	50.7%
Mean years of schooling (in years)	12.7	12.9	13.3	13.7	14.0	14.3

Education scenarios
 SSP2/GET: Global Education Trend Scenario (Medium assumption)
 SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)
 SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

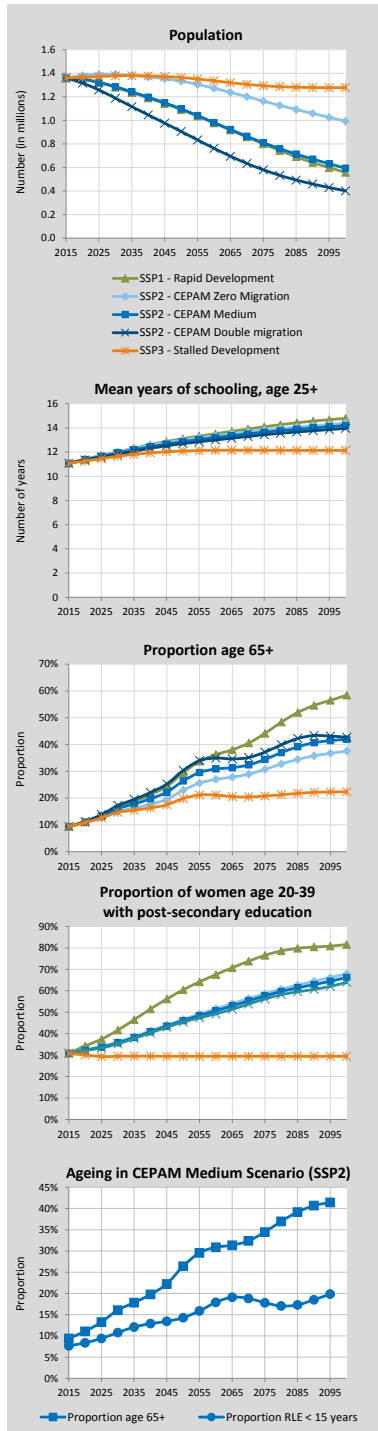
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Trinidad and Tobago (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
<i>SSP1 - Rapid Development</i>	1.36	1.35	1.28	1.09	0.98	0.80	0.56
<i>SSP2 - CEPAM Zero Migration</i>	1.36	1.38	1.39	1.33	1.27	1.16	0.99
<i>SSP2 - CEPAM Medium</i>	1.36	1.35	1.29	1.10	0.98	0.81	0.59
<i>SSP2 - CEPAM Double Migration</i>	1.36	1.32	1.19	0.91	0.76	0.58	0.40
<i>SSP3 - Stalled Development</i>	1.36	1.37	1.38	1.36	1.34	1.29	1.28
Proportion age 65+							
<i>SSP1 - Rapid Development</i>	9.4%	11.1%	16.6%	29.5%	36.3%	44.2%	58.4%
<i>SSP2 - CEPAM Zero Migration</i>	9.4%	10.8%	15.0%	23.0%	27.0%	30.7%	37.5%
<i>SSP2 - CEPAM Medium</i>	9.4%	11.1%	16.1%	26.4%	30.9%	34.4%	42.0%
<i>SSP2 - CEPAM Double Migration</i>	9.4%	11.3%	17.2%	30.3%	34.9%	37.2%	42.7%
<i>SSP3 - Stalled Development</i>	9.4%	10.9%	14.7%	19.8%	21.1%	20.8%	22.4%
Proportion below age 20							
<i>SSP1 - Rapid Development</i>	27.1%	26.6%	22.3%	15.7%	13.9%	10.8%	8.4%
<i>SSP2 - CEPAM Zero Migration</i>	27.1%	26.7%	23.6%	19.1%	18.0%	16.3%	15.1%
<i>SSP2 - CEPAM Medium</i>	27.1%	26.8%	23.3%	18.3%	17.1%	15.0%	13.7%
<i>SSP2 - CEPAM Double Migration</i>	27.1%	26.9%	23.0%	17.5%	16.3%	13.9%	13.4%
<i>SSP3 - Stalled Development</i>	27.1%	27.1%	25.6%	24.0%	23.9%	23.8%	24.3%
Proportion of women age 20-39 with post-secondary education							
<i>SSP1 - Rapid Development</i>	30.8%	34.3%	41.7%	60.5%	67.6%	76.5%	81.6%
<i>SSP2 - CEPAM Zero Migration</i>	30.8%	32.5%	36.1%	46.6%	51.6%	58.6%	67.9%
<i>SSP2 - CEPAM Medium</i>	30.8%	32.3%	35.7%	46.1%	50.7%	57.6%	66.2%
<i>SSP2 - CEPAM Double Migration</i>	30.8%	32.2%	35.3%	45.4%	49.3%	56.2%	64.0%
<i>SSP3 - Stalled Development</i>	30.8%	30.1%	29.5%	29.4%	29.4%	29.4%	29.4%
Mean years of schooling, age 25+							
<i>SSP1 - Rapid Development</i>	11.1	11.4	12.0	13.1	13.5	14.1	14.8
<i>SSP2 - CEPAM Zero Migration</i>	11.1	11.4	12.0	13.0	13.3	13.8	14.4
<i>SSP2 - CEPAM Medium</i>	11.1	11.4	11.9	12.9	13.2	13.6	14.2
<i>SSP2 - CEPAM Double Migration</i>	11.1	11.3	11.8	12.7	13.0	13.4	14.0
<i>SSP3 - Stalled Development</i>	11.1	11.3	11.6	12.1	12.1	12.1	12.1

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
<i>SSP1 - Rapid Development</i>	1.63	1.45	1.31	1.24	1.25	1.29	1.33
<i>SSP2 - CEPAM Zero Migration</i>	1.70	1.58	1.49	1.44	1.45	1.49	1.53
<i>SSP2 - CEPAM Medium</i>	1.70	1.58	1.49	1.44	1.45	1.49	1.54
<i>SSP2 - CEPAM Double Migration</i>	1.70	1.58	1.50	1.44	1.45	1.49	1.54
<i>SSP3 - Stalled Development</i>	1.83	1.87	1.91	1.90	1.93	2.00	2.10
Life expectancy at birth for females (in years)							
<i>SSP1 - Rapid Development</i>	75.0	76.7	80.0	86.6	89.9	94.9	101.5
<i>SSP2 - CEPAM Zero Migration</i>	74.5	75.7	78.0	82.6	84.9	88.4	93.0
<i>SSP2 - CEPAM Medium</i>	74.5	75.7	78.0	82.6	84.9	88.4	93.0
<i>SSP2 - CEPAM Double Migration</i>	74.5	75.7	77.9	82.6	84.9	88.3	92.9
<i>SSP3 - Stalled Development</i>	74.0	74.5	75.7	78.2	79.5	81.4	83.9
Migration – net flow over five years (in thousands)							
<i>SSP1 - Rapid Development</i>	-30.6	-29.9	-27.3	-21.0	-17.7	-12.8	-8.2
<i>SSP2 - CEPAM Zero Migration</i>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<i>SSP2 - CEPAM Medium</i>	-30.6	-29.8	-27.0	-20.3	-16.6	-11.6	-7.0
<i>SSP2 - CEPAM Double Migration</i>	-61.2	-57.7	-48.6	-29.9	-21.2	-10.9	-3.4
<i>SSP3 - Stalled Development</i>	-20.4	-10.0	0.0	0.0	0.0	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
<i>Median age</i>	33.9	36.3	41.3	46.8	50.0	54.8	57.7
<i>Proportion age 65+</i>	9.4%	11.1%	16.1%	26.4%	30.9%	34.4%	41.4%
<i>Proportion RLE < 15 years</i>	6.7%	7.3%	9.6%	14.0%	17.5%	18.8%	19.6%

Tunisia

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	11.27	11.84	12.58	12.93	13.09	12.96
Proportion age 65+	7.6%	8.8%	12.5%	16.2%	20.7%	25.1%
Proportion below age 20	31.0%	30.6%	28.3%	22.9%	21.1%	20.1%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	2.07	1.90	1.71	1.61	1.58	1.58
Life expectancy at birth (in years)						
Male	74.0	75.0	76.9	78.8	80.7	81.6
Female	78.1	79.1	81.0	83.0	84.9	86.8
Five-year net-migration flow (in thousands)	-36.8	-38.3	-39.1	-37.9	-36.3	-35.1

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	24.4%	19.8%	13.0%	7.9%	4.5%	2.2%
E2 - incomplete primary	0.9%	0.6%	0.4%	0.2%	0.2%	0.1%
E3 - primary	27.4%	25.3%	22.5%	18.3%	13.4%	9.0%
E4 - lower secondary	21.8%	23.8%	24.5%	23.2%	21.2%	18.7%
E5 - upper secondary	12.5%	14.8%	19.1%	23.4%	26.8%	29.1%
E6 - post-secondary	13.0%	15.6%	20.5%	27.0%	34.0%	40.8%
Mean years of schooling (in years)	7.8	8.6	9.8	11.1	12.2	13.1
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.39	0.35	0.28	0.24	0.21	0.20
E2 - incomplete primary	6.32	4.55	1.83	1.06	0.86	0.78
E3 - primary	1.23	1.19	1.10	0.99	0.90	0.86
E4 - lower secondary	1.48	1.41	1.34	1.31	1.27	1.22
E5 - upper secondary	1.44	1.40	1.32	1.29	1.28	1.29
E6 - post-secondary	1.09	1.03	0.97	0.91	0.87	0.84
Mean years of schooling (male minus female)	1.0	0.9	0.7	0.5	0.2	0.0
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	5.6%	3.6%	0.7%	0.1%	0.1%	0.0%
E2 - incomplete primary	0.1%	0.1%	0.2%	0.1%	0.0%	0.0%
E3 - primary	16.2%	9.6%	9.3%	7.1%	3.5%	1.3%
E4 - lower secondary	34.3%	35.3%	23.1%	13.0%	8.8%	5.1%
E5 - upper secondary	22.5%	25.8%	34.2%	38.4%	38.1%	36.6%
E6 - post-secondary	21.3%	25.5%	32.5%	41.3%	49.5%	57.0%
Mean years of schooling (in years)	10.8	11.7	13.0	14.1	14.8	15.4

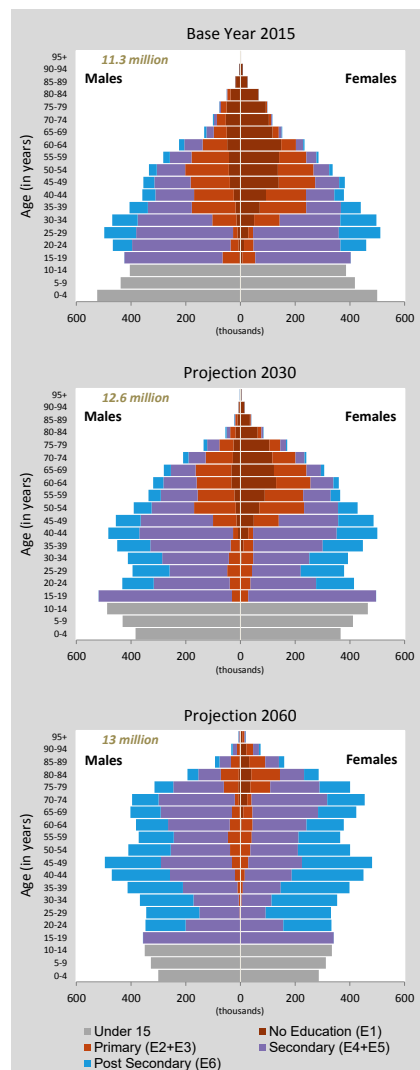
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

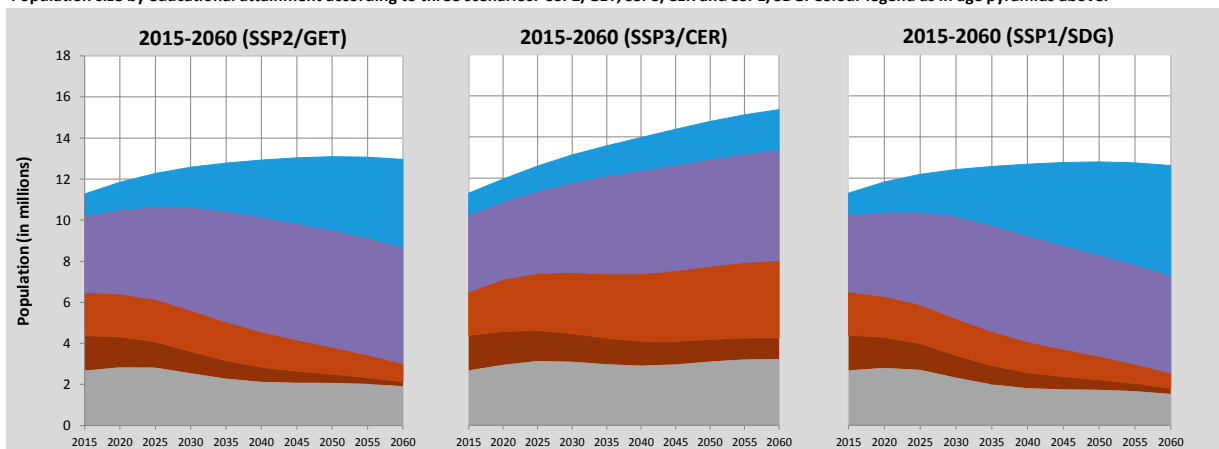
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

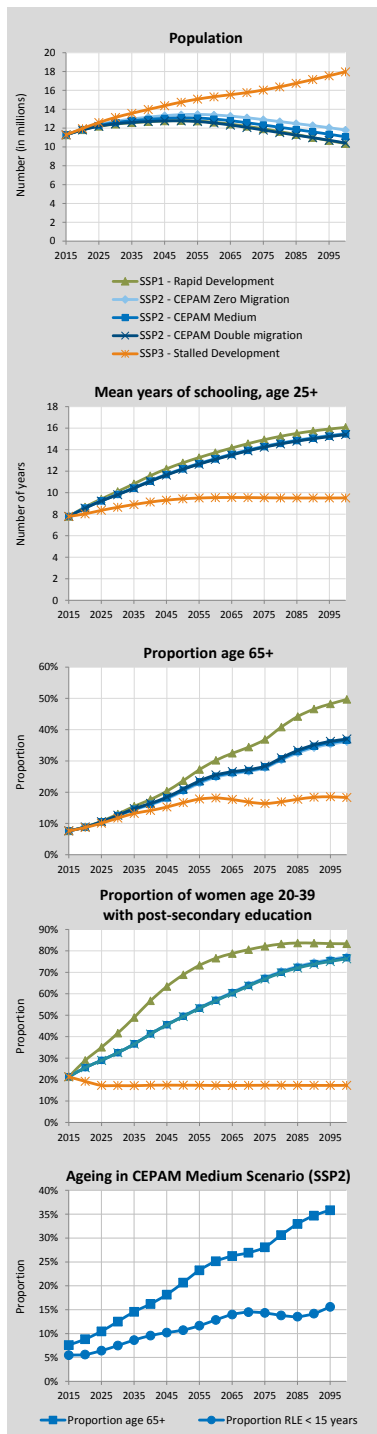
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Tunisia (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)	2015 2020 2030 2050 2060 2075 2100						
	Population (in millions)						
SSP1 - Rapid Development	11.27	11.81	12.42	12.79	12.61	11.92	10.36
SSP2 - CEPAM Zero Migration	11.27	11.88	12.71	13.43	13.39	12.90	11.79
SSP2 - CEPAM Medium	11.27	11.84	12.58	13.09	12.96	12.33	11.07
SSP2 - CEPAM Double Migration	11.27	11.81	12.45	12.77	12.54	11.79	10.42
SSP3 - Stalled Development	11.27	11.96	13.13	14.75	15.33	16.04	17.98
Proportion age 65+							
SSP1 - Rapid Development	7.6%	8.9%	13.0%	23.7%	30.2%	36.9%	49.7%
SSP2 - CEPAM Zero Migration	7.6%	8.8%	12.4%	20.3%	24.8%	27.8%	36.1%
SSP2 - CEPAM Medium	7.6%	8.8%	12.5%	20.7%	25.1%	28.1%	36.6%
SSP2 - CEPAM Double Migration	7.6%	8.8%	12.6%	21.0%	25.5%	28.4%	37.0%
SSP3 - Stalled Development	7.6%	8.7%	11.7%	16.6%	18.1%	16.4%	18.3%
Proportion below age 20							
SSP1 - Rapid Development	31.0%	30.3%	26.8%	18.1%	16.7%	13.5%	11.5%
SSP2 - CEPAM Zero Migration	31.0%	30.5%	28.3%	21.1%	20.1%	17.7%	16.4%
SSP2 - CEPAM Medium	31.0%	30.6%	28.3%	21.1%	20.1%	17.7%	16.3%
SSP2 - CEPAM Double Migration	31.0%	30.6%	28.3%	21.1%	20.1%	17.6%	16.2%
SSP3 - Stalled Development	31.0%	31.2%	31.3%	27.4%	27.8%	27.4%	28.2%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	21.3%	28.9%	41.7%	68.9%	76.6%	82.1%	83.3%
SSP2 - CEPAM Zero Migration	21.3%	25.6%	32.6%	49.6%	57.2%	67.5%	77.3%
SSP2 - CEPAM Medium	21.3%	25.5%	32.5%	49.5%	57.0%	67.2%	76.8%
SSP2 - CEPAM Double Migration	21.3%	25.5%	32.5%	49.4%	56.7%	66.9%	76.3%
SSP3 - Stalled Development	21.3%	19.2%	17.2%	17.4%	17.2%	17.3%	17.3%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	7.8	8.7	10.1	12.8	13.7	14.9	16.1
SSP2 - CEPAM Zero Migration	7.8	8.6	9.9	12.2	13.2	14.3	15.5
SSP2 - CEPAM Medium	7.8	8.6	9.8	12.2	13.1	14.3	15.5
SSP2 - CEPAM Double Migration	7.8	8.6	9.8	12.2	13.1	14.2	15.4
SSP3 - Stalled Development	7.8	8.0	8.6	9.4	9.5	9.5	9.5

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.97	1.70	1.45	1.36	1.37	1.40	1.43
SSP2 - CEPAM Zero Migration	2.07	1.90	1.71	1.58	1.58	1.60	1.64
SSP2 - CEPAM Medium	2.07	1.90	1.71	1.58	1.58	1.60	1.64
SSP2 - CEPAM Double Migration	2.07	1.90	1.71	1.58	1.58	1.60	1.64
SSP3 - Stalled Development	2.30	2.35	2.30	2.22	2.25	2.34	2.43
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	78.7	80.1	83.1	88.9	91.8	96.3	102.3
SSP2 - CEPAM Zero Migration	78.1	79.1	81.0	84.9	86.8	89.7	93.6
SSP2 - CEPAM Medium	78.1	79.1	81.0	84.9	86.8	89.7	93.6
SSP2 - CEPAM Double Migration	78.1	79.1	81.0	84.9	86.8	89.7	93.6
SSP3 - Stalled Development	77.6	77.9	78.7	80.2	80.8	81.7	83.4
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-36.8	-38.4	-39.4	-37.9	-36.3	-32.4	-28.1
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-36.8	-38.3	-39.1	-36.3	-33.6	-28.5	-23.3
SSP2 - CEPAM Double Migration	-73.5	-76.3	-77.2	-69.8	-63.8	-52.5	-41.1
SSP3 - Stalled Development	-24.5	-12.9	0.0	0.0	0.0	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	31.1	32.8	36.7	41.9	45.3	49.7	52.8
Proportion age 65+	7.6%	8.8%	12.5%	20.7%	25.1%	28.1%	35.8%
Proportion RLE < 15 years	5.3%	5.3%	7.1%	10.8%	12.9%	14.7%	14.9%

Turkey

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	78.27	82.30	88.99	93.81	96.45	96.95
Proportion age 65+	7.8%	8.9%	11.9%	15.6%	19.7%	23.1%
Proportion below age 20	34.1%	31.9%	27.9%	24.6%	22.4%	20.5%
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Total Fertility Rate	2.03	1.92	1.79	1.68	1.63	1.62
Life expectancy at birth (in years)						
Male	72.9	73.8	75.7	77.6	79.6	80.5
Female	79.3	80.2	81.8	83.4	85.1	86.7
Five-year net-migration flow (in thousands)	26.8	31.0	41.1	53.5	68.6	76.5

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	5.5%	4.3%	2.5%	1.5%	0.9%	0.6%
E2 - incomplete primary	6.3%	5.1%	3.2%	2.1%	1.4%	0.9%
E3 - primary	31.7%	28.1%	21.9%	16.5%	11.7%	7.7%
E4 - lower secondary	19.3%	20.7%	22.1%	21.5%	20.0%	17.8%
E5 - upper secondary	19.7%	21.7%	25.7%	29.1%	32.0%	34.3%
E6 - post-secondary	17.5%	20.0%	24.6%	29.3%	34.0%	38.7%
Mean years of schooling (in years)	8.3	8.9	9.9	10.7	11.4	12.1
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.20	0.18	0.18	0.22	0.29	0.35
E2 - incomplete primary	0.40	0.36	0.32	0.35	0.41	0.47
E3 - primary	0.74	0.69	0.60	0.53	0.49	0.48
E4 - lower secondary	1.52	1.43	1.32	1.25	1.17	1.12
E5 - upper secondary	1.52	1.46	1.34	1.27	1.22	1.20
E6 - post-secondary	1.37	1.29	1.16	1.08	1.01	0.96
Mean years of schooling (male minus female)	0.8	0.8	0.6	0.4	0.3	0.2
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	1.4%	1.0%	0.3%	0.2%	0.1%	0.0%
E2 - incomplete primary	4.1%	2.9%	0.8%	0.3%	0.1%	0.1%
E3 - primary	13.5%	9.2%	5.8%	4.9%	3.0%	1.5%
E4 - lower secondary	25.1%	25.2%	22.5%	16.5%	12.4%	9.0%
E5 - upper secondary	31.1%	33.0%	37.4%	40.3%	41.9%	42.4%
E6 - post-secondary	24.7%	28.6%	33.2%	37.8%	42.5%	47.0%
Mean years of schooling (in years)	9.9	10.7	11.9	12.6	13.1	13.6

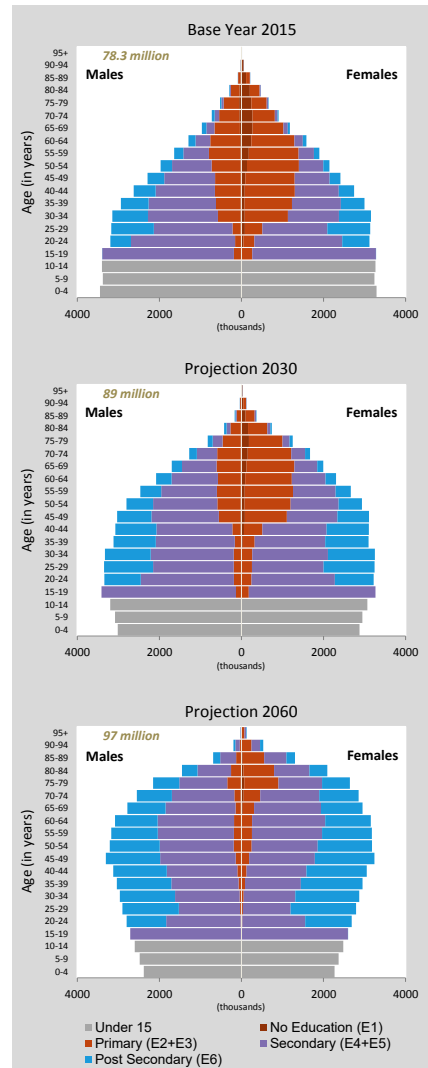
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

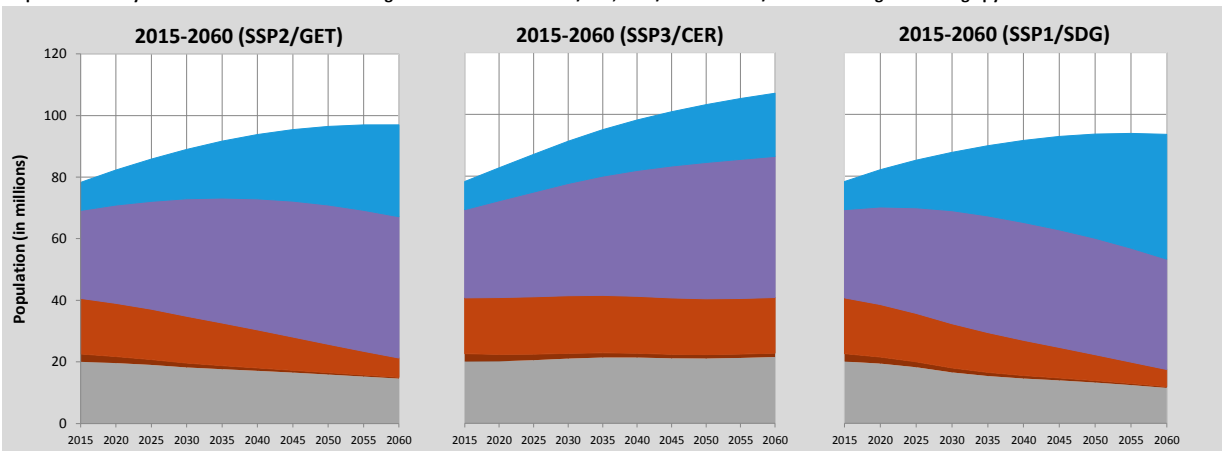
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

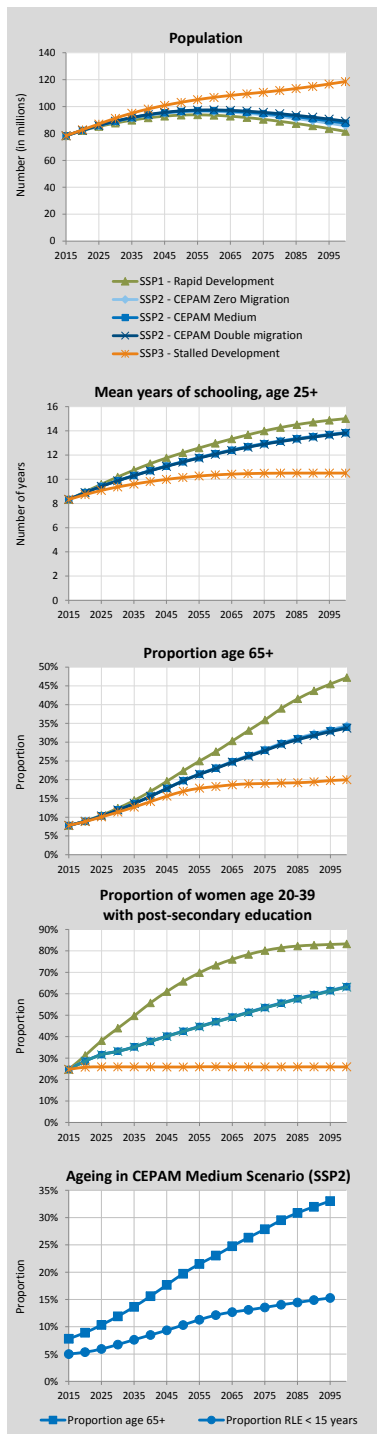
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Turkey (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	78.27	82.09	87.70	93.63	93.54	90.50	81.52
SSP2 - CEPAM Zero Migration	78.27	82.27	88.86	96.03	96.32	93.84	85.71
SSP2 - CEPAM Medium	78.27	82.30	88.99	96.45	96.95	94.89	87.63
SSP2 - CEPAM Double Migration	78.27	82.33	89.10	96.81	97.48	95.74	89.15
SSP3 - Stalled Development	78.27	82.71	91.30	103.15	106.84	110.65	118.59
Proportion age 65+							
SSP1 - Rapid Development	7.8%	9.0%	12.4%	22.3%	27.5%	35.9%	47.2%
SSP2 - CEPAM Zero Migration	7.8%	8.9%	11.9%	19.8%	23.2%	28.0%	34.4%
SSP2 - CEPAM Medium	7.8%	8.9%	11.9%	19.7%	23.1%	27.9%	34.0%
SSP2 - CEPAM Double Migration	7.8%	8.9%	11.9%	19.7%	23.0%	27.7%	33.7%
SSP3 - Stalled Development	7.8%	8.8%	11.3%	16.9%	18.2%	19.0%	20.0%
Proportion below age 20							
SSP1 - Rapid Development	34.1%	31.7%	26.4%	19.3%	17.0%	14.4%	12.0%
SSP2 - CEPAM Zero Migration	34.1%	31.9%	27.9%	22.4%	20.5%	18.6%	17.0%
SSP2 - CEPAM Medium	34.1%	31.9%	27.9%	22.4%	20.5%	18.7%	17.1%
SSP2 - CEPAM Double Migration	34.1%	31.9%	28.0%	22.4%	20.6%	18.8%	17.2%
SSP3 - Stalled Development	34.1%	32.3%	30.3%	27.2%	26.6%	26.5%	27.0%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	24.7%	31.2%	43.9%	65.8%	73.3%	80.2%	83.3%
SSP2 - CEPAM Zero Migration	24.7%	28.7%	33.3%	42.6%	47.1%	53.7%	63.5%
SSP2 - CEPAM Medium	24.7%	28.6%	33.2%	42.5%	47.0%	53.5%	63.3%
SSP2 - CEPAM Double Migration	24.7%	28.6%	33.1%	42.4%	46.8%	53.4%	63.1%
SSP3 - Stalled Development	24.7%	25.8%	25.9%	25.9%	26.0%	25.9%	25.9%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	8.3	9.0	10.2	12.2	13.0	14.0	15.0
SSP2 - CEPAM Zero Migration	8.3	8.9	9.9	11.5	12.1	13.0	13.9
SSP2 - CEPAM Medium	8.3	8.9	9.9	11.4	12.1	12.9	13.8
SSP2 - CEPAM Double Migration	8.3	8.9	9.9	11.4	12.1	12.9	13.8
SSP3 - Stalled Development	8.3	8.7	9.4	10.1	10.4	10.5	10.5

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.94	1.73	1.51	1.38	1.37	1.39	1.42
SSP2 - CEPAM Zero Migration	2.03	1.92	1.79	1.63	1.61	1.62	1.65
SSP2 - CEPAM Medium	2.03	1.92	1.79	1.63	1.61	1.62	1.65
SSP2 - CEPAM Double Migration	2.03	1.92	1.79	1.63	1.61	1.62	1.65
SSP3 - Stalled Development	2.19	2.24	2.24	2.15	2.16	2.22	2.32
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	79.8	81.2	83.8	89.1	91.8	95.8	101.2
SSP2 - CEPAM Zero Migration	79.3	80.2	81.8	85.1	86.7	89.2	92.5
SSP2 - CEPAM Medium	79.3	80.2	81.8	85.1	86.7	89.2	92.5
SSP2 - CEPAM Double Migration	79.3	80.2	81.8	85.1	86.7	89.2	92.5
SSP3 - Stalled Development	78.8	79.1	79.6	80.6	81.1	81.8	82.9
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	26.9	30.1	34.8	46.4	51.6	56.7	53.2
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	26.8	31.0	41.1	68.6	84.2	104.1	121.0
SSP2 - CEPAM Double Migration	53.6	60.0	75.4	120.9	147.7	181.9	209.7
SSP3 - Stalled Development	17.8	10.7	0.0	0.1	0.1	0.2	0.2

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	29.9	31.6	34.9	41.5	44.5	47.8	51.2
Proportion age 65+	7.8%	8.9%	11.9%	19.7%	23.1%	27.9%	33.0%
Proportion RLE < 15 years	4.7%	5.1%	6.6%	10.2%	12.1%	13.5%	15.2%

Turkmenistan

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	5.57	6.05	6.75	7.24	7.61	7.77
Proportion age 65+	4.1%	4.8%	7.2%	9.1%	11.5%	15.2%
Proportion below age 20	38.8%	39.1%	36.9%	30.2%	27.5%	25.3%
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	2.87	2.55	2.15	1.85	1.70	1.66
Life expectancy at birth (in years)						
Male	64.5	65.6	67.8	70.1	72.3	73.4
Female	71.5	72.5	74.5	76.5	78.5	80.5
Five-year net-migration flow (in thousands)	-22.7	-25.4	-28.5	-30.2	-31.3	-31.4

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	0.3%	0.3%	0.2%	0.2%	0.2%	0.2%
E2 - incomplete primary	0.3%	0.2%	0.2%	0.1%	0.1%	0.1%
E3 - primary	1.4%	1.0%	0.5%	0.4%	0.3%	0.2%
E4 - lower secondary	6.3%	4.9%	3.1%	1.9%	1.1%	0.7%
E5 - upper secondary	76.7%	78.0%	79.3%	79.3%	78.5%	77.1%
E6 - post-secondary	15.0%	15.6%	16.7%	18.0%	19.8%	21.6%
Mean years of schooling (in years)	10.6	10.7	11.2	11.6	12.0	12.3
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.40	0.45	0.57	0.62	0.62	0.61
E2 - incomplete primary	0.42	0.47	0.64	0.76	0.81	0.83
E3 - primary	0.49	0.51	0.61	0.73	0.81	0.86
E4 - lower secondary	0.79	0.80	0.83	0.88	0.91	0.94
E5 - upper secondary	0.98	0.98	0.97	0.98	0.99	0.99
E6 - post-secondary	1.35	1.29	1.21	1.13	1.08	1.03
Mean years of schooling (male minus female)	0.1	0.1	0.1	0.1	0.1	0.1
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	0.1%	0.1%	0.1%	0.1%	0.1%	0.0%
E2 - incomplete primary	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%
E3 - primary	0.3%	0.3%	0.1%	0.1%	0.1%	0.1%
E4 - lower secondary	2.6%	1.7%	0.4%	0.2%	0.2%	0.2%
E5 - upper secondary	82.7%	82.1%	81.9%	80.3%	77.9%	75.5%
E6 - post-secondary	14.2%	15.7%	17.4%	19.3%	21.8%	24.2%
Mean years of schooling (in years)	10.2	10.6	12.2	12.7	12.8	13.0

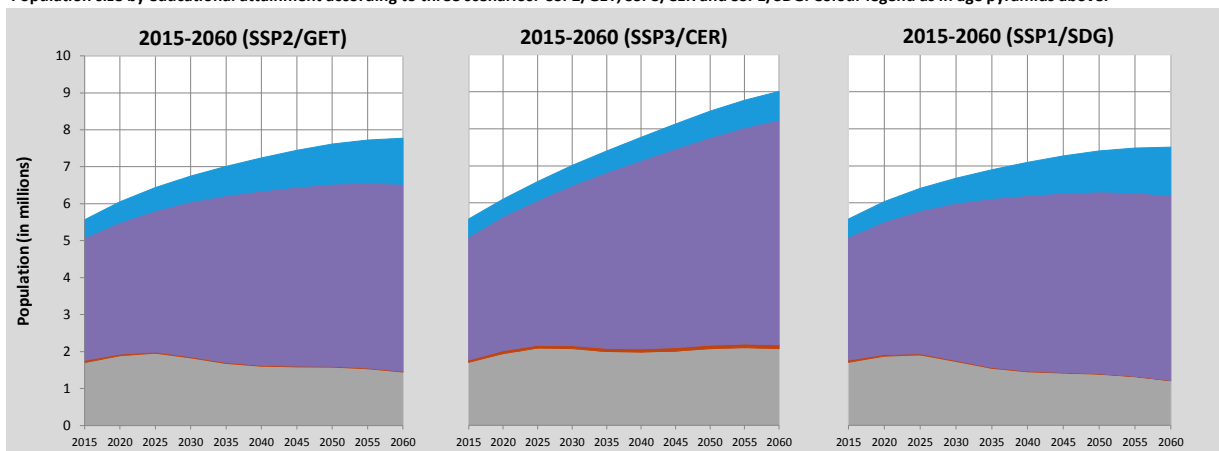
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

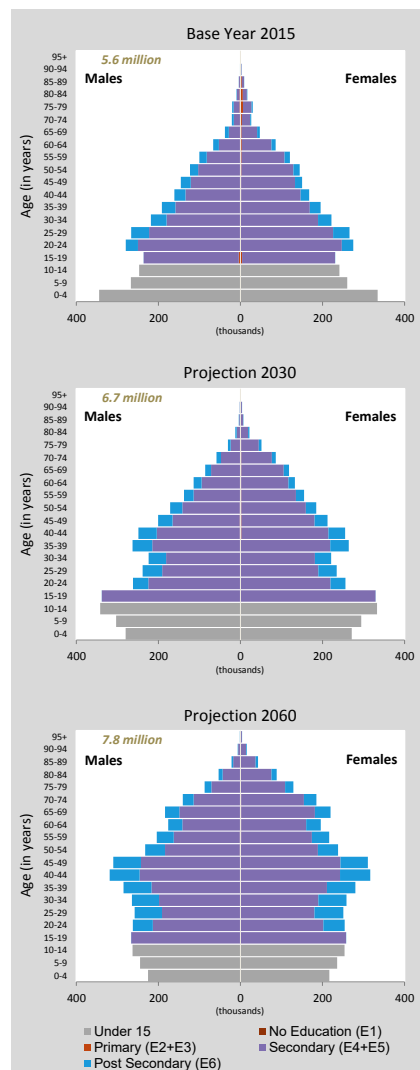
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

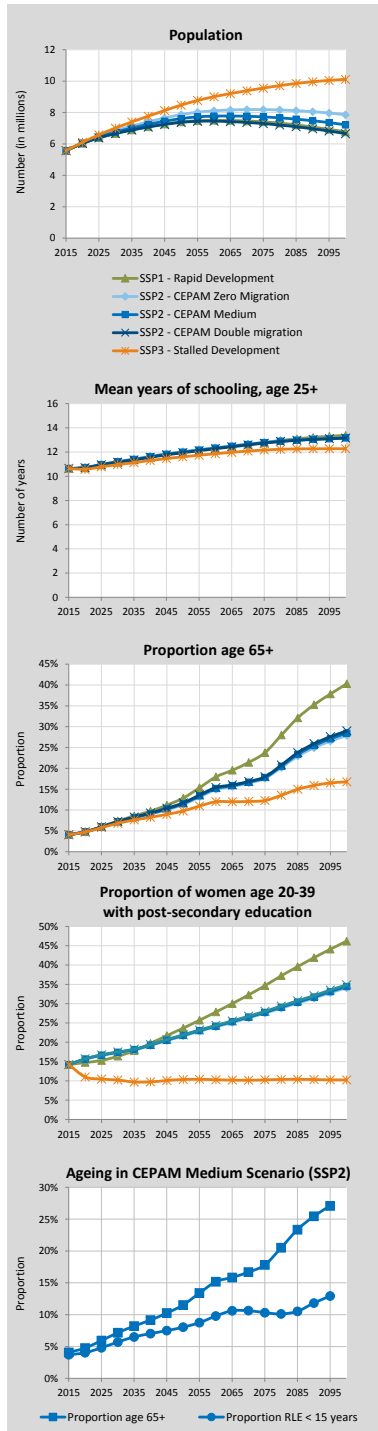
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



Turkmenistan (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	5.57	6.04	6.67	7.40	7.50	7.41	6.77
SSP2 - CEPAM Zero Migration	5.57	6.08	6.84	7.87	8.11	8.19	7.86
SSP2 - CEPAM Medium	5.57	6.05	6.75	7.61	7.77	7.72	7.22
SSP2 - CEPAM Double Migration	5.57	6.03	6.66	7.37	7.45	7.30	6.66
SSP3 - Stalled Development	5.57	6.10	7.01	8.47	9.01	9.56	10.12
Proportion age 65+							
SSP1 - Rapid Development	4.1%	4.8%	7.4%	12.9%	18.0%	23.8%	40.3%
SSP2 - CEPAM Zero Migration	4.1%	4.7%	7.1%	11.3%	14.9%	17.6%	27.9%
SSP2 - CEPAM Medium	4.1%	4.8%	7.2%	11.5%	15.2%	17.8%	28.5%
SSP2 - CEPAM Double Migration	4.1%	4.8%	7.2%	11.7%	15.4%	18.0%	29.0%
SSP3 - Stalled Development	4.1%	4.7%	6.8%	9.8%	12.0%	12.3%	16.8%
Proportion below age 20							
SSP1 - Rapid Development	38.8%	38.9%	35.8%	24.9%	22.1%	17.3%	13.4%
SSP2 - CEPAM Zero Migration	38.8%	39.0%	36.8%	27.4%	25.2%	21.3%	18.5%
SSP2 - CEPAM Medium	38.8%	39.1%	36.9%	27.5%	25.3%	21.3%	18.3%
SSP2 - CEPAM Double Migration	38.8%	39.2%	37.0%	27.5%	25.3%	21.2%	18.2%
SSP3 - Stalled Development	38.8%	39.5%	38.9%	31.8%	30.4%	27.5%	26.1%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	14.2%	14.7%	16.4%	23.7%	27.8%	34.7%	46.2%
SSP2 - CEPAM Zero Migration	14.2%	15.6%	17.3%	21.6%	24.0%	27.5%	34.1%
SSP2 - CEPAM Medium	14.2%	15.7%	17.4%	21.8%	24.2%	27.7%	34.4%
SSP2 - CEPAM Double Migration	14.2%	15.7%	17.5%	21.9%	24.4%	28.0%	34.9%
SSP3 - Stalled Development	14.2%	11.0%	10.2%	10.4%	10.3%	10.3%	10.2%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	10.6	10.7	11.2	12.0	12.3	12.8	13.4
SSP2 - CEPAM Zero Migration	10.6	10.7	11.2	12.0	12.4	12.8	13.2
SSP2 - CEPAM Medium	10.6	10.7	11.2	12.0	12.3	12.8	13.2
SSP2 - CEPAM Double Migration	10.6	10.7	11.2	11.9	12.3	12.7	13.2
SSP3 - Stalled Development	10.6	10.6	11.0	11.6	11.9	12.2	12.3

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	2.77	2.38	1.92	1.48	1.42	1.39	1.40
SSP2 - CEPAM Zero Migration	2.87	2.55	2.15	1.70	1.63	1.60	1.62
SSP2 - CEPAM Medium	2.87	2.55	2.15	1.70	1.63	1.60	1.62
SSP2 - CEPAM Double Migration	2.87	2.54	2.15	1.70	1.63	1.60	1.62
SSP3 - Stalled Development	3.06	2.90	2.62	2.16	2.07	2.04	2.08
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	72.0	73.5	76.5	82.5	85.6	90.1	96.1
SSP2 - CEPAM Zero Migration	71.5	72.5	74.5	78.6	80.6	83.6	87.6
SSP2 - CEPAM Medium	71.5	72.5	74.5	78.5	80.5	83.6	87.6
SSP2 - CEPAM Double Migration	71.5	72.5	74.5	78.5	80.5	83.6	87.6
SSP3 - Stalled Development	71.0	71.4	72.4	74.4	75.3	76.8	78.9
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-22.7	-25.4	-28.7	-32.2	-32.8	-32.3	-30.5
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-22.7	-25.4	-28.5	-31.3	-31.2	-29.5	-26.6
SSP2 - CEPAM Double Migration	-45.4	-50.5	-55.9	-59.4	-58.1	-53.3	-45.6
SSP3 - Stalled Development	-15.1	-8.5	0.0	0.0	0.0	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	25.6	26.8	28.9	34.6	38.3	42.4	47.5
Proportion age 65+	4.1%	4.8%	7.2%	11.5%	15.2%	17.8%	27.1%
Proportion RLE < 15 years	3.5%	3.7%	5.5%	8.0%	9.7%	10.3%	12.3%

Uganda

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	40.15	47.24	63.42	81.75	100.89	119.28
Proportion age 65+	2.2%	2.2%	2.3%	2.9%	3.8%	4.9%
Proportion below age 20	59.4%	58.2%	54.7%	50.6%	46.2%	41.5%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	5.46	4.99	4.19	3.51	2.96	2.73
Life expectancy at birth (in years)						
Male	58.0	59.0	60.9	62.9	64.8	65.8
Female	62.4	63.4	65.3	67.1	69.0	70.9
Five-year net-migration flow (in thousands)	-105.2	-135.4	-206.8	-290.4	-379.1	-423.1

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	18.1%	14.7%	9.9%	6.7%	4.3%	2.7%
E2 - incomplete primary	35.2%	33.4%	28.0%	22.2%	16.7%	12.0%
E3 - primary	26.6%	28.6%	32.1%	33.5%	32.9%	30.5%
E4 - lower secondary	11.9%	13.3%	16.1%	19.3%	22.0%	24.2%
E5 - upper secondary	4.3%	5.5%	8.1%	11.3%	15.5%	20.3%
E6 - post-secondary	4.0%	4.6%	5.7%	7.0%	8.6%	10.3%
Mean years of schooling (in years)	6.2	6.7	7.6	8.5	9.4	10.1
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.49	0.52	0.60	0.68	0.77	0.87
E2 - incomplete primary	0.92	0.89	0.88	0.90	0.93	0.96
E3 - primary	1.27	1.19	1.09	1.03	1.03	1.02
E4 - lower secondary	1.40	1.27	1.07	0.96	0.88	0.87
E5 - upper secondary	1.83	1.65	1.44	1.31	1.20	1.11
E6 - post-secondary	1.70	1.56	1.36	1.24	1.18	1.15
Mean years of schooling (male minus female)	0.8	0.7	0.4	0.3	0.2	0.1
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	8.7%	6.7%	5.0%	3.2%	1.8%	0.8%
E2 - incomplete primary	33.8%	29.7%	20.5%	13.8%	8.6%	4.9%
E3 - primary	31.8%	33.5%	35.8%	34.5%	30.6%	25.4%
E4 - lower secondary	14.4%	16.2%	20.0%	23.4%	25.9%	26.8%
E5 - upper secondary	7.2%	9.0%	12.5%	17.2%	23.3%	30.0%
E6 - post-secondary	4.1%	4.9%	6.3%	7.9%	9.8%	12.0%
Mean years of schooling (in years)	6.9	7.5	8.6	9.6	10.5	11.4

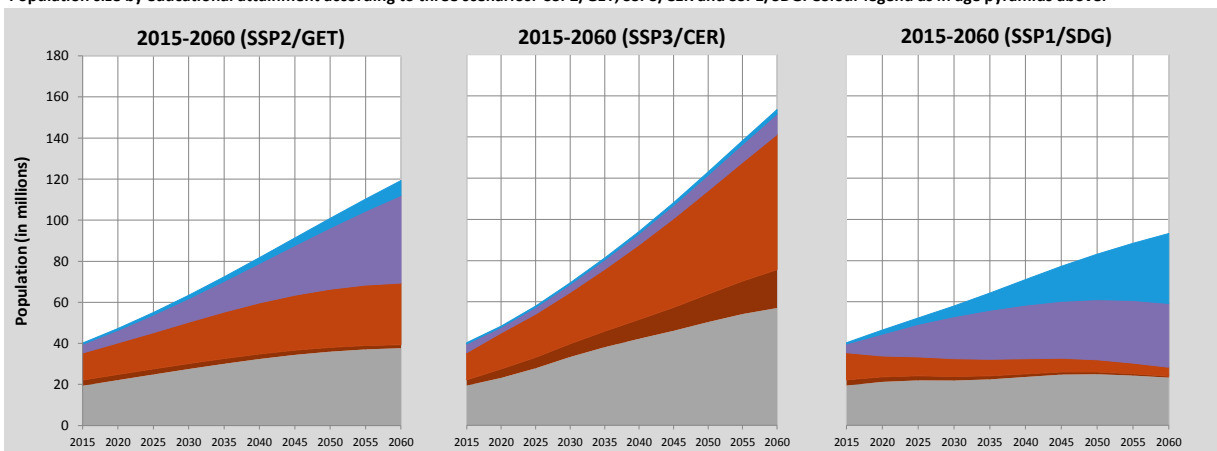
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

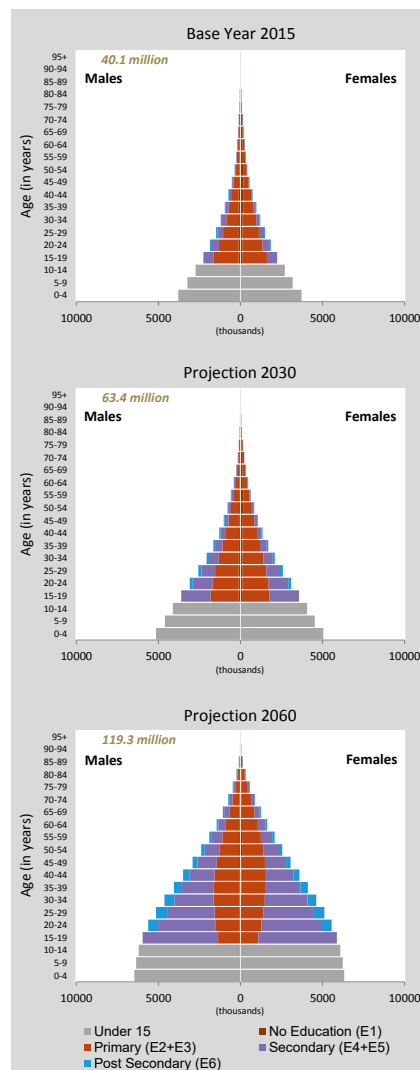
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

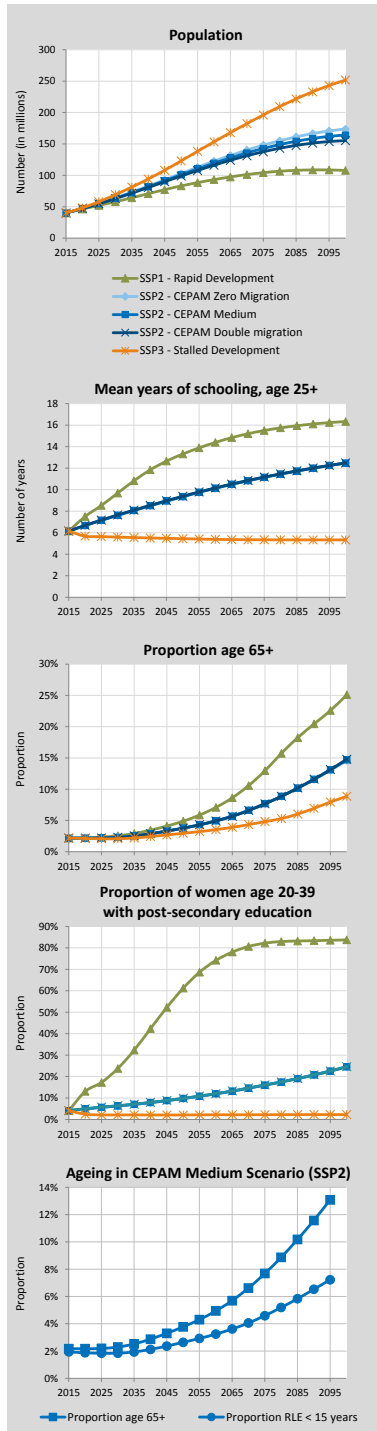
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



Uganda (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	40.15	46.28	57.94	83.10	93.14	104.26	107.81
SSP2 - CEPAM Zero Migration	40.15	47.37	63.95	102.94	122.49	148.01	173.77
SSP2 - CEPAM Medium	40.15	47.24	63.42	100.89	119.28	142.66	164.26
SSP2 - CEPAM Double Migration	40.15	47.12	62.89	98.88	116.16	137.53	155.32
SSP3 - Stalled Development	40.15	48.20	69.19	123.00	153.28	196.13	251.74
Proportion age 65+							
SSP1 - Rapid Development	2.2%	2.2%	2.6%	4.9%	7.1%	12.9%	25.1%
SSP2 - CEPAM Zero Migration	2.2%	2.2%	2.3%	3.8%	5.0%	7.7%	14.6%
SSP2 - CEPAM Medium	2.2%	2.2%	2.3%	3.8%	4.9%	7.7%	14.7%
SSP2 - CEPAM Double Migration	2.2%	2.2%	2.3%	3.8%	4.9%	7.7%	14.8%
SSP3 - Stalled Development	2.2%	2.1%	2.1%	3.0%	3.5%	4.8%	8.9%
Proportion below age 20							
SSP1 - Rapid Development	59.4%	57.3%	50.0%	39.3%	33.8%	26.8%	18.0%
SSP2 - CEPAM Zero Migration	59.4%	58.1%	54.5%	45.9%	41.3%	34.5%	25.9%
SSP2 - CEPAM Medium	59.4%	58.2%	54.7%	46.2%	41.5%	34.7%	26.1%
SSP2 - CEPAM Double Migration	59.4%	58.3%	54.8%	46.4%	41.8%	35.0%	26.2%
SSP3 - Stalled Development	59.4%	59.0%	58.4%	51.9%	47.8%	41.1%	33.4%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	4.1%	13.1%	23.8%	61.2%	74.2%	82.2%	83.8%
SSP2 - CEPAM Zero Migration	4.1%	4.8%	6.2%	9.7%	11.9%	16.0%	24.5%
SSP2 - CEPAM Medium	4.1%	4.9%	6.3%	9.8%	12.0%	16.0%	24.5%
SSP2 - CEPAM Double Migration	4.1%	5.0%	6.4%	9.9%	12.1%	16.1%	24.6%
SSP3 - Stalled Development	4.1%	2.4%	2.1%	2.1%	2.2%	2.2%	2.3%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	6.2	7.5	9.7	13.3	14.4	15.5	16.3
SSP2 - CEPAM Zero Migration	6.2	6.7	7.6	9.3	10.1	11.1	12.5
SSP2 - CEPAM Medium	6.2	6.7	7.6	9.4	10.1	11.2	12.5
SSP2 - CEPAM Double Migration	6.2	6.7	7.6	9.4	10.2	11.2	12.5
SSP3 - Stalled Development	6.2	5.7	5.6	5.4	5.4	5.3	5.3

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	4.85	3.95	3.06	2.28	1.96	1.60	1.31
SSP2 - CEPAM Zero Migration	5.46	4.99	4.19	2.96	2.52	2.09	1.75
SSP2 - CEPAM Medium	5.46	4.99	4.19	2.96	2.52	2.09	1.75
SSP2 - CEPAM Double Migration	5.46	4.99	4.19	2.96	2.53	2.09	1.75
SSP3 - Stalled Development	6.06	6.05	5.40	3.73	3.15	2.65	2.31
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	63.2	65.2	68.7	74.6	77.4	81.7	87.3
SSP2 - CEPAM Zero Migration	62.4	63.4	65.3	69.0	70.9	73.7	77.5
SSP2 - CEPAM Medium	62.4	63.4	65.3	69.0	70.9	73.7	77.5
SSP2 - CEPAM Double Migration	62.5	63.4	65.3	69.0	70.9	73.7	77.5
SSP3 - Stalled Development	61.8	61.8	62.2	62.9	63.3	64.0	65.1
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-105.3	-131.4	-183.1	-300.5	-349.2	-404.8	-429.6
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-105.2	-135.4	-206.8	-379.1	-465.5	-576.1	-666.8
SSP2 - CEPAM Double Migration	-210.4	-270.1	-410.0	-742.0	-904.6	-1106.9	-1258.6
SSP3 - Stalled Development	-70.2	-46.4	-0.2	-0.5	-0.6	-0.8	-1.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	15.8	16.4	17.9	22.0	24.5	29.0	35.3
Proportion age 65+	2.2%	2.2%	2.3%	3.8%	4.9%	7.7%	13.1%
Proportion RLE < 15 years	2.0%	2.0%	2.0%	2.7%	3.3%	4.7%	7.3%

Ukraine

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	44.66	43.83	41.75	39.62	38.09	36.59
Proportion age 65+	15.9%	17.3%	20.5%	22.8%	26.7%	29.6%
Proportion below age 20	19.8%	20.8%	21.0%	18.6%	18.6%	19.1%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	1.49	1.50	1.51	1.60	1.60	1.60
Life expectancy at birth (in years)						
Male	67.1	68.2	70.6	72.9	75.3	76.4
Female	76.9	77.9	79.8	81.7	83.7	85.6
Five-year net-migration flow (in thousands)	65.0	101.0	171.4	235.0	283.6	303.5

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	0.2%	0.3%	0.4%	0.6%	0.6%	0.7%
E2 - incomplete primary	0.7%	0.4%	0.3%	0.3%	0.3%	0.4%
E3 - primary	3.4%	1.9%	0.7%	0.6%	0.7%	0.8%
E4 - lower secondary	8.1%	7.2%	5.7%	4.4%	3.5%	2.9%
E5 - upper secondary	67.9%	69.3%	70.2%	69.1%	66.9%	64.3%
E6 - post-secondary	19.7%	20.8%	22.7%	25.1%	27.9%	31.0%
Mean years of schooling (in years)	10.5	10.7	11.0	11.3	11.6	11.8
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.61	0.74	0.72	0.66	0.61	0.57
E2 - incomplete primary	0.27	0.42	0.84	0.89	0.84	0.80
E3 - primary	0.67	0.71	1.01	1.13	0.99	0.90
E4 - lower secondary	0.97	1.02	1.15	1.22	1.20	1.16
E5 - upper secondary	1.07	1.06	1.06	1.09	1.13	1.18
E6 - post-secondary	0.90	0.86	0.80	0.76	0.73	0.70
Mean years of schooling (male minus female)	0.0	0.0	-0.1	-0.1	-0.1	-0.1
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	0.1%	0.3%	0.4%	0.3%	0.3%	0.2%
E2 - incomplete primary	0.1%	0.2%	0.2%	0.2%	0.2%	0.1%
E3 - primary	0.1%	0.3%	0.5%	0.4%	0.4%	0.4%
E4 - lower secondary	6.0%	4.2%	1.8%	1.2%	0.9%	0.9%
E5 - upper secondary	72.5%	71.7%	70.8%	67.8%	64.0%	60.0%
E6 - post-secondary	21.3%	23.3%	26.2%	30.0%	34.2%	38.3%
Mean years of schooling (in years)	11.4	11.7	12.1	12.3	12.6	12.8

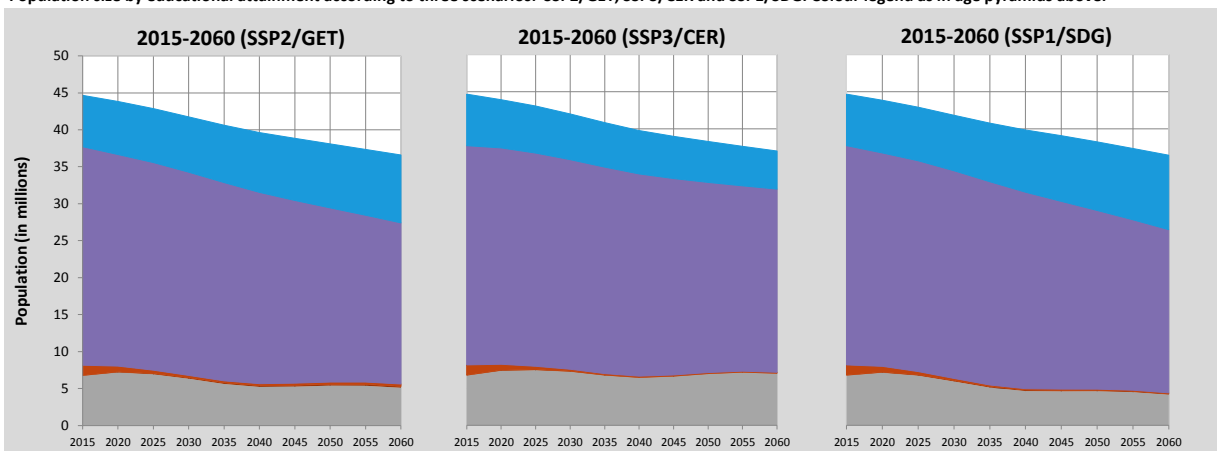
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

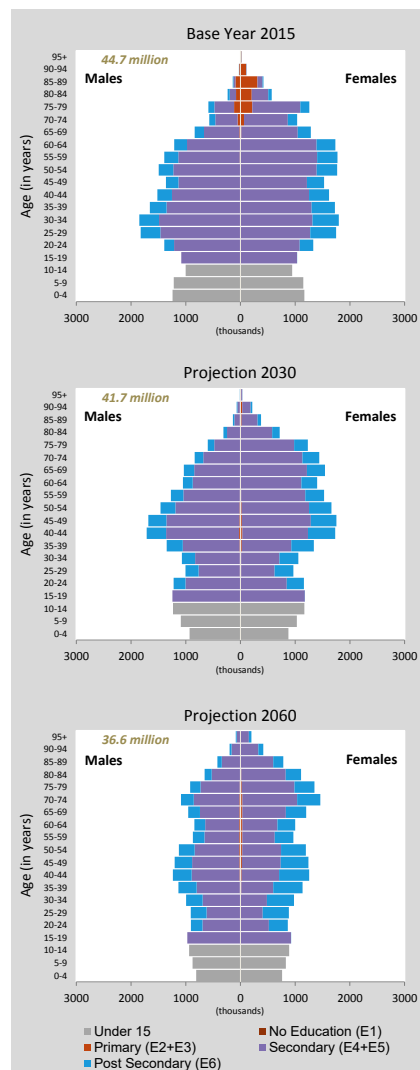
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

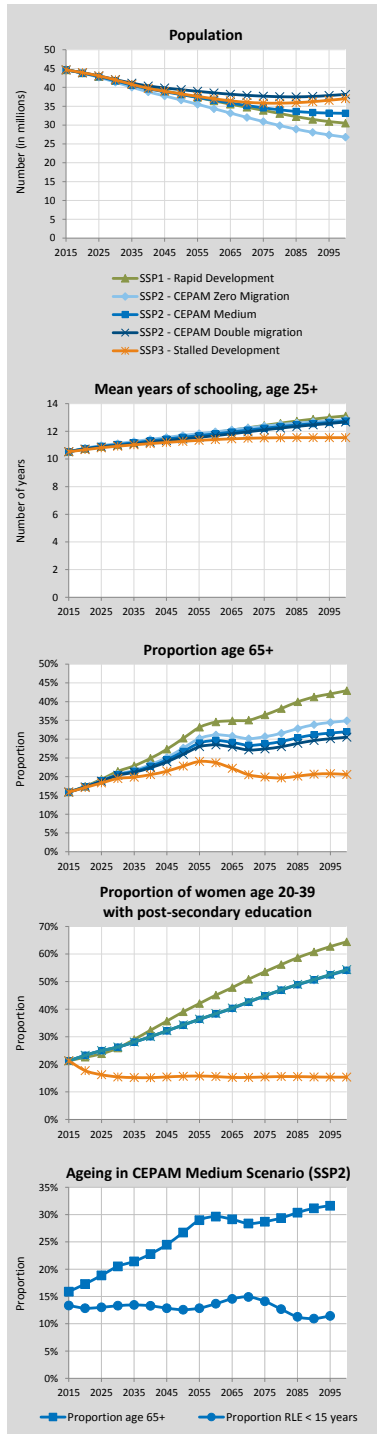
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



Ukraine (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	44.66	43.84	41.82	38.23	36.43	33.91	30.52
SSP2 - CEPAM Zero Migration	44.66	43.76	41.40	36.65	34.36	30.94	26.79
SSP2 - CEPAM Medium	44.66	43.83	41.75	38.09	36.59	34.59	33.13
SSP2 - CEPAM Double Migration	44.66	43.90	42.08	39.40	38.56	37.68	38.15
SSP3 - Stalled Development	44.66	43.91	42.00	38.28	37.00	35.84	37.01
Proportion age 65+							
SSP1 - Rapid Development	15.9%	17.4%	21.4%	30.2%	34.6%	36.5%	42.9%
SSP2 - CEPAM Zero Migration	15.9%	17.3%	20.7%	27.6%	31.1%	30.7%	34.9%
SSP2 - CEPAM Medium	15.9%	17.3%	20.5%	26.7%	29.6%	28.7%	32.0%
SSP2 - CEPAM Double Migration	15.9%	17.3%	20.4%	26.0%	28.5%	27.4%	30.5%
SSP3 - Stalled Development	15.9%	17.1%	19.5%	22.8%	23.7%	19.9%	20.6%
Proportion below age 20							
SSP1 - Rapid Development	19.8%	20.6%	20.0%	16.0%	15.9%	14.2%	13.3%
SSP2 - CEPAM Zero Migration	19.8%	20.8%	20.9%	18.3%	18.7%	17.4%	16.9%
SSP2 - CEPAM Medium	19.8%	20.8%	21.0%	18.6%	19.1%	18.2%	17.9%
SSP2 - CEPAM Double Migration	19.8%	20.8%	21.0%	18.9%	19.5%	18.7%	18.4%
SSP3 - Stalled Development	19.8%	21.2%	23.0%	23.5%	25.3%	25.5%	26.2%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	21.3%	22.6%	25.9%	39.0%	45.1%	53.6%	64.4%
SSP2 - CEPAM Zero Migration	21.3%	23.3%	26.2%	34.2%	38.3%	44.8%	54.0%
SSP2 - CEPAM Medium	21.3%	23.3%	26.2%	34.2%	38.3%	44.8%	54.1%
SSP2 - CEPAM Double Migration	21.3%	23.3%	26.3%	34.3%	38.4%	44.9%	54.3%
SSP3 - Stalled Development	21.3%	17.7%	15.4%	15.7%	15.6%	15.4%	15.4%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	10.5	10.7	11.0	11.6	11.9	12.4	13.1
SSP2 - CEPAM Zero Migration	10.5	10.8	11.1	11.7	12.0	12.4	12.8
SSP2 - CEPAM Medium	10.5	10.7	11.0	11.6	11.8	12.2	12.7
SSP2 - CEPAM Double Migration	10.5	10.7	11.0	11.4	11.7	12.1	12.7
SSP3 - Stalled Development	10.5	10.7	10.9	11.3	11.4	11.5	11.5

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.44	1.40	1.34	1.39	1.40	1.42	1.44
SSP2 - CEPAM Zero Migration	1.49	1.50	1.51	1.60	1.61	1.63	1.65
SSP2 - CEPAM Medium	1.49	1.50	1.51	1.60	1.61	1.63	1.65
SSP2 - CEPAM Double Migration	1.49	1.50	1.50	1.60	1.61	1.63	1.65
SSP3 - Stalled Development	1.62	1.78	1.92	2.08	2.10	2.15	2.20
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	77.4	78.9	81.8	87.7	90.6	95.0	100.9
SSP2 - CEPAM Zero Migration	76.9	77.9	79.8	83.7	85.7	88.6	92.4
SSP2 - CEPAM Medium	76.9	77.9	79.8	83.7	85.6	88.5	92.3
SSP2 - CEPAM Double Migration	76.9	77.9	79.8	83.6	85.5	88.4	92.2
SSP3 - Stalled Development	76.4	76.9	77.8	79.6	80.5	81.8	83.6
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	64.6	97.3	153.0	234.6	255.8	269.0	247.4
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	65.0	101.0	171.4	283.6	320.8	355.7	356.6
SSP2 - CEPAM Double Migration	130.1	197.9	327.3	521.0	577.4	620.1	588.5
SSP3 - Stalled Development	43.6	35.1	0.1	0.3	0.4	0.5	0.6

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	40.3	41.2	44.3	46.2	47.0	48.7	49.1
Proportion age 65+	15.9%	17.3%	20.5%	26.7%	29.6%	28.7%	31.6%
Proportion RLE < 15 years	13.9%	13.1%	14.2%	14.2%	15.0%	15.7%	12.3%

United Arab Emirates

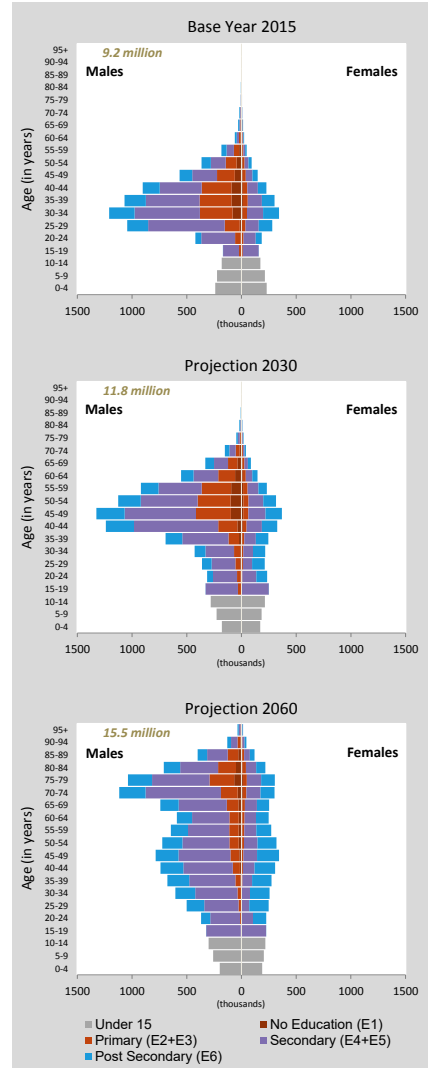
Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	9.16	10.09	11.81	13.42	14.70	15.48
Proportion age 65+	1.0%	1.6%	6.0%	16.0%	29.3%	35.1%
Proportion below age 20	17.4%	17.6%	15.5%	13.1%	12.9%	12.4%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	1.72	1.67	1.62	1.53	1.54	1.54
Life expectancy at birth (in years)						
Male	76.8	77.8	79.8	81.9	83.9	84.9
Female	79.0	80.1	82.2	84.3	86.4	88.5
Five-year net-migration flow (in thousands)	604.2	636.4	693.9	741.1	779.3	794.3

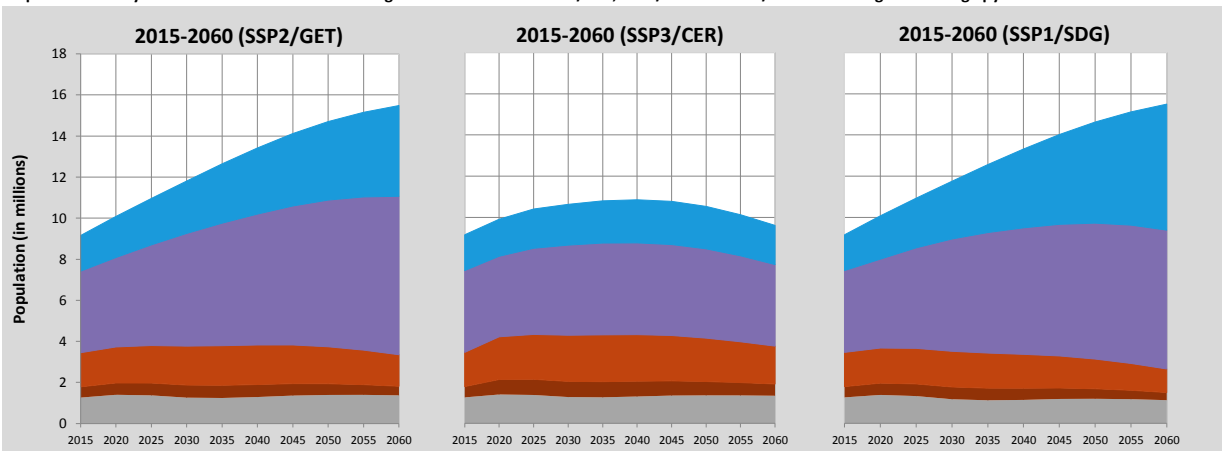
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	7.4%	7.1%	6.4%	5.4%	4.4%	3.4%
E2 - incomplete primary	11.1%	10.2%	8.8%	7.3%	5.8%	4.3%
E3 - primary	11.3%	11.1%	10.5%	9.7%	8.6%	7.4%
E4 - lower secondary	19.3%	19.3%	19.1%	18.5%	17.8%	16.8%
E5 - upper secondary	27.5%	28.2%	29.7%	31.6%	33.5%	35.6%
E6 - post-secondary	23.4%	24.1%	25.5%	27.5%	29.8%	32.5%
Mean years of schooling (in years)	10.0	10.2	10.5	10.8	11.2	11.6
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	1.31	1.29	1.38	1.44	1.42	1.34
E2 - incomplete primary	1.56	1.57	1.69	1.85	1.92	1.93
E3 - primary	1.72	1.77	1.87	2.00	2.06	2.08
E4 - lower secondary	2.08	2.11	2.21	2.39	2.57	2.78
E5 - upper secondary	0.86	0.88	0.92	1.00	1.10	1.23
E6 - post-secondary	0.51	0.52	0.50	0.48	0.47	0.47
Mean years of schooling (male minus female)	-1.5	-1.5	-1.5	-1.6	-1.6	-1.5
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	4.6%	3.9%	2.4%	1.8%	1.2%	0.8%
E2 - incomplete primary	8.2%	6.0%	3.0%	2.5%	1.8%	1.1%
E3 - primary	10.7%	9.9%	7.4%	5.4%	4.2%	2.9%
E4 - lower secondary	21.8%	21.9%	18.3%	14.7%	13.1%	11.4%
E5 - upper secondary	31.8%	32.9%	38.2%	40.5%	41.7%	43.2%
E6 - post-secondary	22.9%	25.4%	30.8%	35.1%	38.0%	40.6%
Mean years of schooling (in years)	12.2	12.5	13.2	13.7	14.1	14.3

Education scenarios
 SSP2/GET: Global Education Trend Scenario (Medium assumption)
 SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)
 SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

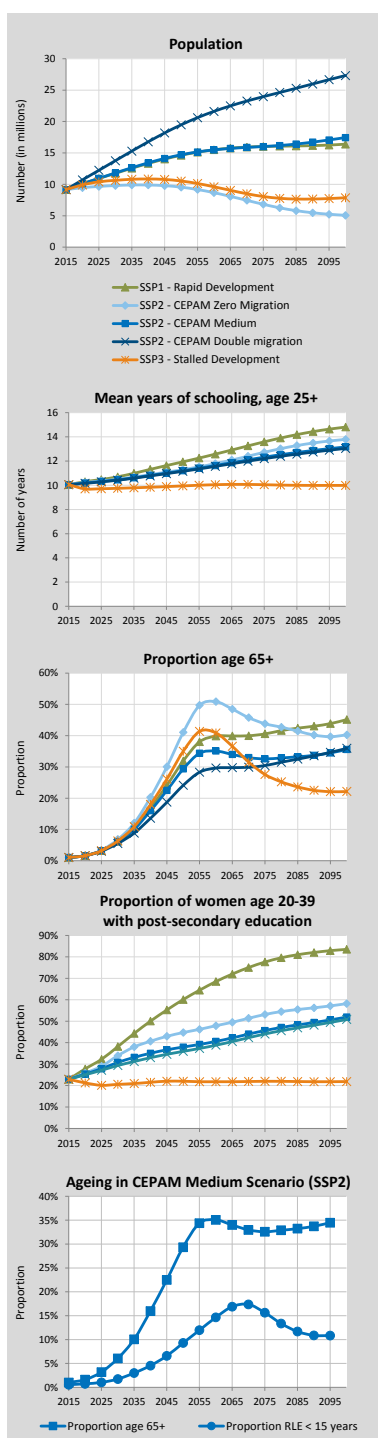
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



United Arab Emirates (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)		2015	2020	2030	2050	2060	2075	2100
Population (in millions)								
SSP1 - Rapid Development		9.16	10.08	11.75	14.63	15.50	16.03	16.39
SSP2 - CEPAM Zero Migration		9.16	9.47	9.81	9.55	8.67	6.82	5.07
SSP2 - CEPAM Medium		9.16	10.09	11.81	14.70	15.48	16.02	17.45
SSP2 - CEPAM Double Migration		9.16	10.71	13.76	19.47	21.62	23.96	27.33
SSP3 - Stalled Development		9.16	9.91	10.63	10.53	9.61	8.06	7.86
Proportion age 65+								
SSP1 - Rapid Development		1.0%	1.6%	6.2%	31.9%	39.8%	40.6%	45.1%
SSP2 - CEPAM Zero Migration		1.0%	1.6%	6.8%	41.0%	50.9%	43.8%	40.3%
SSP2 - CEPAM Medium		1.0%	1.6%	6.0%	29.3%	35.1%	32.6%	35.6%
SSP2 - CEPAM Double Migration		1.0%	1.6%	5.5%	24.1%	29.6%	30.4%	35.9%
SSP3 - Stalled Development		1.0%	1.6%	6.3%	35.0%	40.9%	27.6%	22.1%
Proportion below age 20								
SSP1 - Rapid Development		17.4%	17.4%	14.9%	11.3%	10.4%	9.5%	8.6%
SSP2 - CEPAM Zero Migration		17.4%	17.4%	15.0%	12.7%	12.6%	13.5%	14.7%
SSP2 - CEPAM Medium		17.4%	17.6%	15.5%	12.9%	12.4%	12.1%	11.5%
SSP2 - CEPAM Double Migration		17.4%	17.7%	15.9%	12.9%	12.1%	11.4%	10.5%
SSP3 - Stalled Development		17.4%	17.8%	16.9%	17.1%	18.8%	23.0%	25.7%
Proportion of women age 20-39 with post-secondary education								
SSP1 - Rapid Development		22.9%	27.8%	38.2%	60.1%	68.5%	77.6%	83.5%
SSP2 - CEPAM Zero Migration		22.9%	25.8%	34.0%	44.7%	47.9%	53.1%	58.2%
SSP2 - CEPAM Medium		22.9%	25.4%	30.8%	38.0%	40.6%	45.7%	51.9%
SSP2 - CEPAM Double Migration		22.9%	25.0%	29.4%	35.9%	38.8%	44.1%	50.8%
SSP3 - Stalled Development		22.9%	21.2%	20.6%	22.0%	21.8%	22.0%	21.9%
Mean years of schooling, age 25+								
SSP1 - Rapid Development		10.0	10.3	10.7	11.9	12.6	13.6	14.8
SSP2 - CEPAM Zero Migration		10.0	10.2	10.5	11.3	11.8	12.7	13.8
SSP2 - CEPAM Medium		10.0	10.2	10.5	11.2	11.6	12.3	13.2
SSP2 - CEPAM Double Migration		10.0	10.2	10.4	11.2	11.6	12.2	13.0
SSP3 - Stalled Development		10.0	9.7	9.7	9.9	10.0	10.0	10.0

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.66	1.54	1.42	1.33	1.34	1.36	1.43
SSP2 - CEPAM Zero Migration	1.72	1.65	1.61	1.53	1.54	1.55	1.64
SSP2 - CEPAM Medium	1.72	1.67	1.62	1.54	1.54	1.56	1.64
SSP2 - CEPAM Double Migration	1.73	1.68	1.62	1.54	1.55	1.56	1.65
SSP3 - Stalled Development	1.91	2.06	2.15	2.12	2.14	2.19	2.30
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	79.5	81.1	84.1	90.4	93.5	98.3	104.6
SSP2 - CEPAM Zero Migration	79.0	80.1	82.2	86.5	88.7	91.9	96.1
SSP2 - CEPAM Medium	79.0	80.1	82.2	86.4	88.5	91.7	95.9
SSP2 - CEPAM Double Migration	79.0	80.0	82.1	86.3	88.4	91.6	95.8
SSP3 - Stalled Development	78.5	79.0	80.1	82.2	83.2	84.6	86.6
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	604.9	633.7	672.3	712.8	711.8	689.7	619.3
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	604.2	636.4	693.9	779.3	806.2	823.0	798.2
SSP2 - CEPAM Double Migration	1208.4	1257.6	1339.5	1443.5	1466.5	1462.3	1380.6
SSP3 - Stalled Development	402.5	214.6	0.7	0.9	1.0	1.1	1.3

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	33.4	37.2	44.4	52.5	52.3	52.5	53.6
Proportion age 65+	1.0%	1.6%	6.0%	29.3%	35.1%	32.6%	34.5%
Proportion RLE < 15 years	0.5%	0.7%	1.2%	5.5%	9.3%	11.6%	9.8%

United States

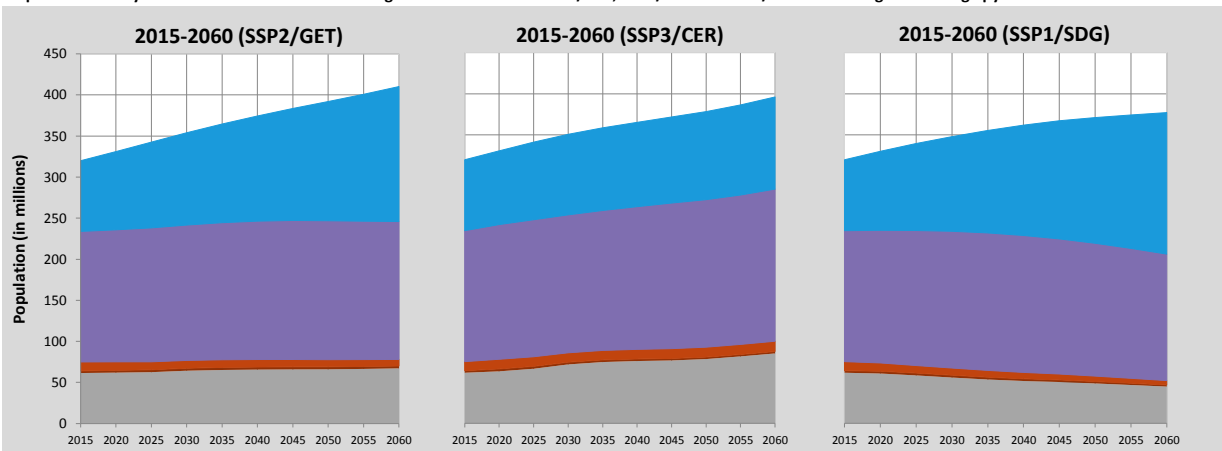
Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	319.92	331.08	353.99	374.37	391.99	410.22
Proportion age 65+	14.6%	16.6%	20.6%	22.2%	23.1%	25.2%
Proportion below age 20	25.9%	25.0%	24.0%	23.4%	22.5%	21.9%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	1.90	1.88	1.94	1.94	1.88	1.88
Life expectancy at birth (in years)						
Male	77.3	78.4	80.4	82.4	84.5	85.5
Female	81.9	82.9	85.0	87.1	89.2	91.3
Five-year net-migration flow (in thousands)	4043.7	4307.9	4770.7	5156.8	5456.3	5560.4

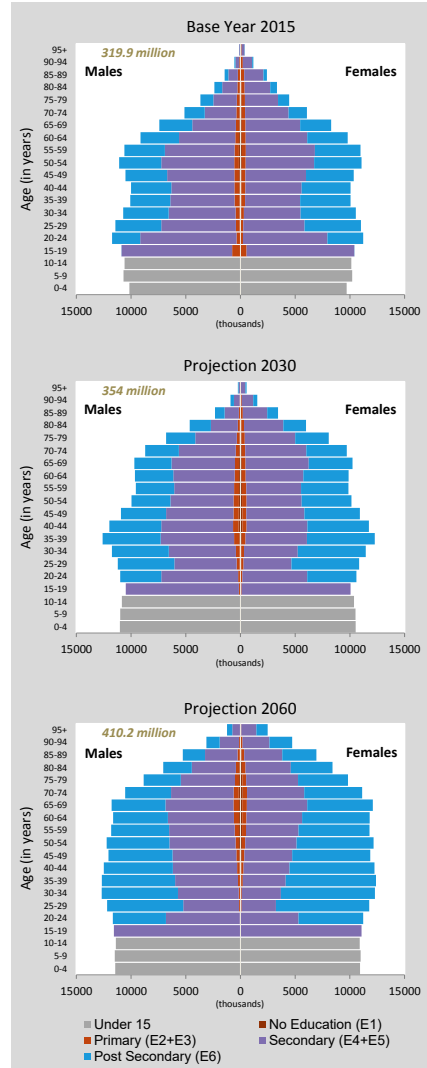
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	1.1%	1.2%	1.2%	1.2%	1.1%	1.0%
E2 - incomplete primary	1.1%	1.0%	0.8%	0.8%	0.7%	0.6%
E3 - primary	3.2%	3.0%	2.8%	2.5%	2.3%	2.0%
E4 - lower secondary	6.3%	6.1%	5.8%	5.6%	5.3%	4.8%
E5 - upper secondary	50.8%	49.6%	47.3%	45.0%	42.5%	40.0%
E6 - post-secondary	37.4%	39.1%	42.1%	44.9%	48.1%	51.6%
Mean years of schooling (in years)	12.7	12.8	12.9	13.0	13.2	13.3
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	1.06	1.00	0.94	0.90	0.86	0.81
E2 - incomplete primary	1.09	1.09	1.11	1.12	1.10	1.09
E3 - primary	1.11	1.17	1.21	1.21	1.19	1.16
E4 - lower secondary	1.13	1.17	1.23	1.26	1.28	1.28
E5 - upper secondary	1.02	1.04	1.08	1.13	1.18	1.24
E6 - post-secondary	0.94	0.91	0.88	0.85	0.83	0.82
Mean years of schooling (male minus female)	0.0	-0.1	-0.1	-0.1	-0.2	-0.2
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	0.6%	0.8%	0.6%	0.6%	0.4%	0.3%
E2 - incomplete primary	0.5%	0.5%	0.4%	0.3%	0.3%	0.2%
E3 - primary	2.4%	2.4%	2.1%	1.3%	0.9%	0.6%
E4 - lower secondary	6.5%	5.8%	4.8%	4.1%	3.3%	2.5%
E5 - upper secondary	52.5%	49.5%	45.7%	43.1%	40.6%	37.8%
E6 - post-secondary	37.6%	41.0%	46.4%	50.5%	54.5%	58.6%
Mean years of schooling (in years)	13.0	13.1	13.3	13.6	13.8	14.0

Education scenarios
 SSP2/GET: Global Education Trend Scenario (Medium assumption)
 SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)
 SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

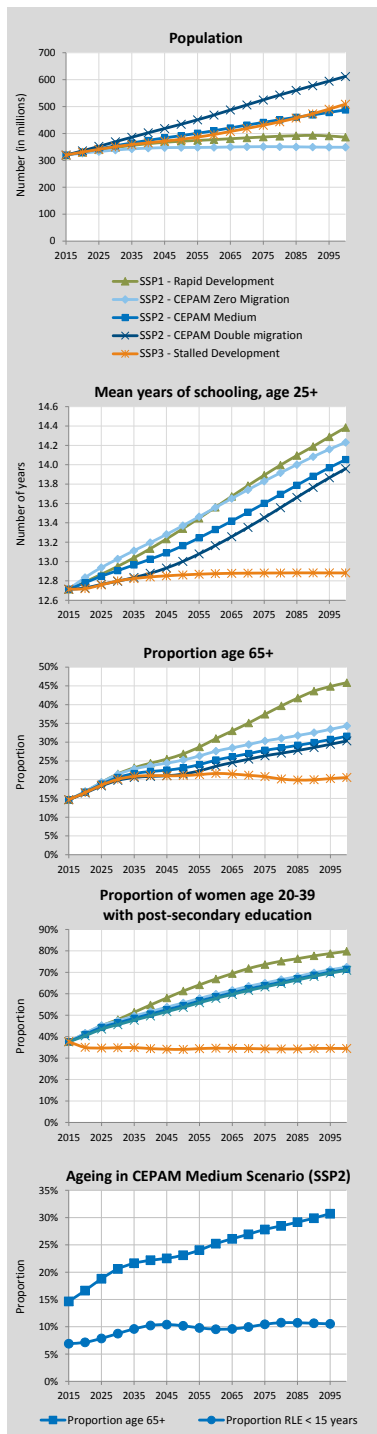
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



United States (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	319.92	330.17	347.97	371.11	377.17	386.94	386.17
SSP2 - CEPAM Zero Migration	319.92	326.71	338.52	347.87	348.62	350.98	348.73
SSP2 - CEPAM Medium	319.92	331.08	353.99	391.99	410.22	441.15	487.67
SSP2 - CEPAM Double Migration	319.92	335.44	369.25	434.31	468.51	524.75	611.94
SSP3 - Stalled Development	319.92	330.75	350.82	378.36	396.13	430.54	508.90
Proportion age 65+							
SSP1 - Rapid Development	14.6%	16.8%	21.6%	26.9%	31.0%	37.4%	45.9%
SSP2 - CEPAM Zero Migration	14.6%	16.8%	21.4%	25.2%	27.6%	30.3%	34.3%
SSP2 - CEPAM Medium	14.6%	16.6%	20.6%	23.1%	25.2%	27.8%	31.6%
SSP2 - CEPAM Double Migration	14.6%	16.4%	19.8%	21.5%	23.6%	26.4%	30.3%
SSP3 - Stalled Development	14.6%	16.5%	20.1%	21.1%	21.7%	20.8%	20.6%
Proportion below age 20							
SSP1 - Rapid Development	25.9%	24.6%	21.9%	17.8%	16.3%	14.5%	12.3%
SSP2 - CEPAM Zero Migration	25.9%	25.0%	23.7%	22.0%	21.3%	20.4%	18.9%
SSP2 - CEPAM Medium	25.9%	25.0%	24.0%	22.5%	21.9%	21.1%	19.6%
SSP2 - CEPAM Double Migration	25.9%	25.0%	24.2%	22.9%	22.3%	21.5%	20.0%
SSP3 - Stalled Development	25.9%	25.4%	26.1%	27.3%	28.0%	28.7%	28.7%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	37.6%	41.5%	48.0%	61.3%	66.9%	73.7%	79.8%
SSP2 - CEPAM Zero Migration	37.6%	41.6%	47.4%	55.7%	59.8%	65.0%	72.4%
SSP2 - CEPAM Medium	37.6%	41.0%	46.4%	54.5%	58.6%	63.8%	71.4%
SSP2 - CEPAM Double Migration	37.6%	40.4%	45.6%	53.7%	57.8%	63.2%	71.0%
SSP3 - Stalled Development	37.6%	35.0%	34.9%	34.1%	34.6%	34.3%	34.5%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	12.7	12.8	12.9	13.3	13.6	13.9	14.4
SSP2 - CEPAM Zero Migration	12.7	12.8	13.0	13.4	13.6	13.8	14.2
SSP2 - CEPAM Medium	12.7	12.8	12.9	13.2	13.3	13.6	14.1
SSP2 - CEPAM Double Migration	12.7	12.7	12.8	13.0	13.2	13.5	14.0
SSP3 - Stalled Development	12.7	12.7	12.8	12.9	12.9	12.9	12.9

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.77	1.62	1.51	1.40	1.44	1.39	1.39
SSP2 - CEPAM Zero Migration	1.90	1.88	1.93	1.88	1.93	1.87	1.85
SSP2 - CEPAM Medium	1.90	1.88	1.94	1.88	1.94	1.87	1.85
SSP2 - CEPAM Double Migration	1.90	1.88	1.94	1.88	1.94	1.87	1.85
SSP3 - Stalled Development	2.05	2.19	2.42	2.48	2.55	2.50	2.51
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	82.4	83.9	87.0	93.3	96.4	101.0	104.5
SSP2 - CEPAM Zero Migration	81.9	82.9	85.1	89.3	91.4	94.6	98.8
SSP2 - CEPAM Medium	81.9	82.9	85.0	89.2	91.3	94.5	98.7
SSP2 - CEPAM Double Migration	81.9	82.9	85.0	89.2	91.3	94.4	98.6
SSP3 - Stalled Development	81.4	81.9	83.0	85.2	86.3	87.9	90.0
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	4047.6	4288.3	4629.2	5046.5	5069.8	4902.2	4420.8
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	4043.7	4307.9	4770.7	5456.3	5630.5	5682.1	5462.8
SSP2 - CEPAM Double Migration	8087.6	8555.8	9339.6	10396.5	10579.6	10451.9	9753.0
SSP3 - Stalled Development	2694.5	1451.6	4.3	5.6	6.2	7.0	8.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	37.6	38.3	40.1	42.9	43.7	45.5	47.7
Proportion age 65+	14.6%	16.6%	20.6%	23.1%	25.2%	27.8%	30.7%
Proportion RLE < 15 years	7.1%	7.2%	8.7%	10.4%	9.7%	10.4%	10.5%

Uruguay

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	3.43	3.45	3.46	3.42	3.33	3.20
Proportion age 65+	14.4%	15.2%	17.9%	21.1%	24.8%	28.8%
Proportion below age 20	28.9%	27.7%	25.1%	22.6%	20.6%	19.0%
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	1.93	1.85	1.71	1.66	1.63	1.62
Life expectancy at birth (in years)						
Male	74.1	75.3	77.6	80.0	82.3	83.5
Female	81.0	82.2	84.3	86.5	88.7	90.9
Five-year net-migration flow (in thousands)	-48.2	-47.9	-46.7	-44.8	-42.3	-40.8

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	1.0%	0.8%	0.5%	0.4%	0.3%	0.3%
E2 - incomplete primary	9.3%	7.2%	4.2%	2.5%	1.5%	0.9%
E3 - primary	32.2%	30.7%	27.2%	23.3%	19.3%	15.6%
E4 - lower secondary	25.3%	26.4%	27.8%	28.2%	27.6%	26.2%
E5 - upper secondary	19.6%	21.2%	24.6%	28.2%	31.7%	35.1%
E6 - post-secondary	12.6%	13.7%	15.6%	17.5%	19.6%	21.8%
Mean years of schooling (in years)	9.0	9.3	9.8	10.2	10.6	11.0
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.72	0.78	0.94	1.11	1.17	1.17
E2 - incomplete primary	0.95	0.94	0.96	1.01	1.08	1.13
E3 - primary	1.11	1.12	1.14	1.15	1.16	1.17
E4 - lower secondary	1.13	1.13	1.13	1.14	1.16	1.17
E5 - upper secondary	0.97	0.97	0.98	1.00	1.03	1.06
E6 - post-secondary	0.65	0.66	0.67	0.66	0.66	0.66
Mean years of schooling (male minus female)	-0.1	-0.2	-0.2	-0.2	-0.2	-0.3
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	0.2%	0.3%	0.2%	0.2%	0.1%	0.1%
E2 - incomplete primary	2.0%	1.4%	0.5%	0.2%	0.1%	0.0%
E3 - primary	28.0%	23.6%	16.5%	11.0%	7.0%	4.1%
E4 - lower secondary	31.0%	30.2%	28.9%	26.4%	22.8%	18.5%
E5 - upper secondary	27.3%	30.4%	35.9%	41.1%	45.5%	49.1%
E6 - post-secondary	11.4%	14.1%	17.9%	21.1%	24.5%	28.2%
Mean years of schooling (in years)	10.2	10.5	11.1	11.6	12.1	12.5

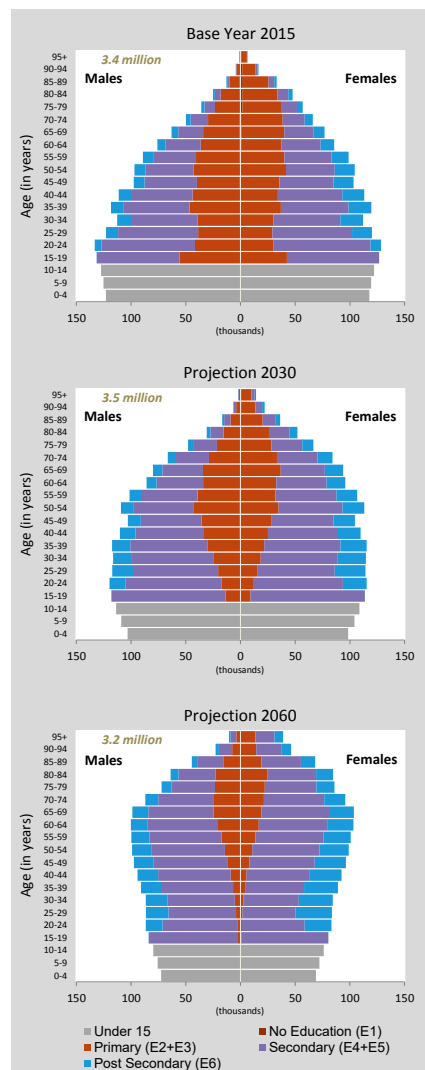
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

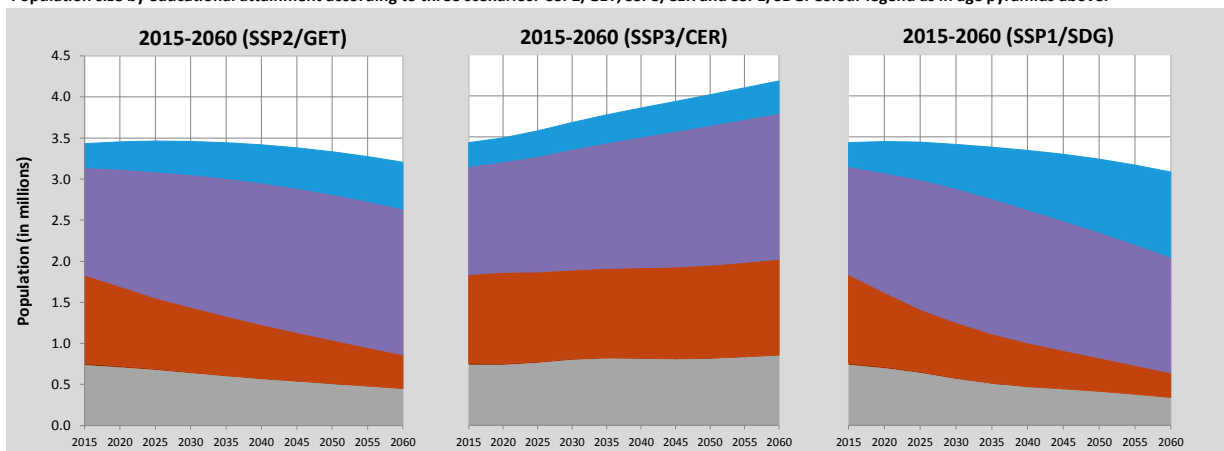
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

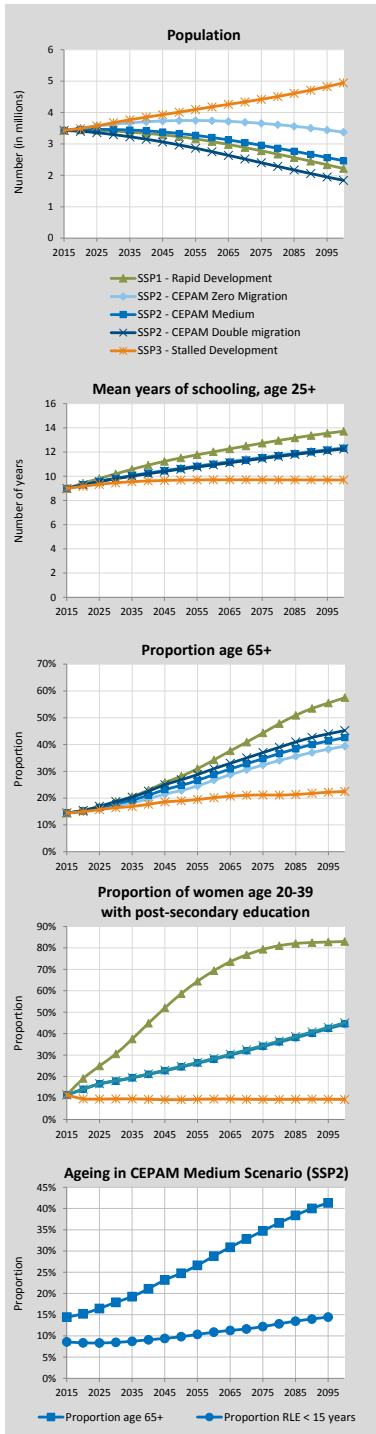
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Uruguay (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	3.43	3.44	3.41	3.23	3.07	2.78	2.22
SSP2 - CEPAM Zero Migration	3.43	3.50	3.62	3.74	3.74	3.66	3.38
SSP2 - CEPAM Medium	3.43	3.45	3.46	3.33	3.20	2.96	2.46
SSP2 - CEPAM Double Migration	3.43	3.40	3.30	2.97	2.75	2.40	1.84
SSP3 - Stalled Development	3.43	3.49	3.68	4.01	4.18	4.42	4.95
Proportion age 65+							
SSP1 - Rapid Development	14.4%	15.3%	18.7%	28.2%	34.3%	44.3%	57.5%
SSP2 - CEPAM Zero Migration	14.4%	15.0%	17.2%	22.8%	26.7%	32.4%	39.4%
SSP2 - CEPAM Medium	14.4%	15.2%	17.9%	24.8%	28.8%	34.7%	42.6%
SSP2 - CEPAM Double Migration	14.4%	15.4%	18.7%	26.8%	31.0%	37.0%	45.2%
SSP3 - Stalled Development	14.4%	15.0%	16.4%	19.0%	20.2%	21.2%	22.5%
Proportion below age 20							
SSP1 - Rapid Development	28.9%	27.4%	23.3%	17.3%	15.2%	12.3%	9.6%
SSP2 - CEPAM Zero Migration	28.9%	27.6%	25.2%	20.9%	19.3%	17.5%	15.7%
SSP2 - CEPAM Medium	28.9%	27.7%	25.1%	20.6%	19.0%	17.0%	15.0%
SSP2 - CEPAM Double Migration	28.9%	27.7%	25.1%	20.4%	18.7%	16.5%	14.3%
SSP3 - Stalled Development	28.9%	28.2%	28.1%	26.8%	26.6%	26.4%	26.9%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	11.4%	19.1%	30.6%	58.7%	69.4%	79.3%	83.0%
SSP2 - CEPAM Zero Migration	11.4%	14.0%	17.8%	24.4%	28.0%	33.9%	44.3%
SSP2 - CEPAM Medium	11.4%	14.1%	17.9%	24.5%	28.2%	34.1%	44.6%
SSP2 - CEPAM Double Migration	11.4%	14.1%	18.1%	24.8%	28.4%	34.5%	45.1%
SSP3 - Stalled Development	11.4%	9.6%	9.5%	9.2%	9.5%	9.3%	9.3%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	9.0	9.4	10.2	11.5	12.0	12.7	13.7
SSP2 - CEPAM Zero Migration	9.0	9.3	9.8	10.7	11.0	11.6	12.4
SSP2 - CEPAM Medium	9.0	9.3	9.8	10.6	11.0	11.5	12.3
SSP2 - CEPAM Double Migration	9.0	9.3	9.8	10.6	10.9	11.5	12.3
SSP3 - Stalled Development	9.0	9.2	9.5	9.7	9.7	9.7	9.7

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.82	1.63	1.41	1.37	1.36	1.38	1.41
SSP2 - CEPAM Zero Migration	1.93	1.85	1.71	1.63	1.61	1.62	1.64
SSP2 - CEPAM Medium	1.93	1.85	1.71	1.63	1.61	1.62	1.64
SSP2 - CEPAM Double Migration	1.93	1.85	1.71	1.63	1.61	1.62	1.64
SSP3 - Stalled Development	2.13	2.27	2.28	2.23	2.24	2.31	2.42
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	81.5	83.2	86.4	92.8	96.1	100.9	107.4
SSP2 - CEPAM Zero Migration	81.0	82.2	84.3	88.7	90.9	94.2	98.6
SSP2 - CEPAM Medium	81.0	82.2	84.3	88.7	90.9	94.2	98.6
SSP2 - CEPAM Double Migration	81.0	82.2	84.3	88.7	90.9	94.2	98.6
SSP3 - Stalled Development	80.5	81.1	82.2	84.4	85.5	87.1	89.3
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-48.3	-48.0	-46.5	-42.0	-38.9	-33.8	-26.8
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-48.2	-47.9	-46.7	-42.3	-39.3	-34.3	-27.5
SSP2 - CEPAM Double Migration	-96.4	-94.0	-87.7	-71.7	-62.7	-49.4	-33.8
SSP3 - Stalled Development	-32.1	-16.1	0.0	0.0	0.0	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	34.9	35.8	38.5	44.9	48.0	52.5	57.3
Proportion age 65+	14.4%	15.2%	17.9%	24.8%	28.8%	34.7%	41.3%
Proportion RLE < 15 years	8.6%	8.4%	8.2%	9.7%	10.8%	12.2%	14.7%

Uzbekistan

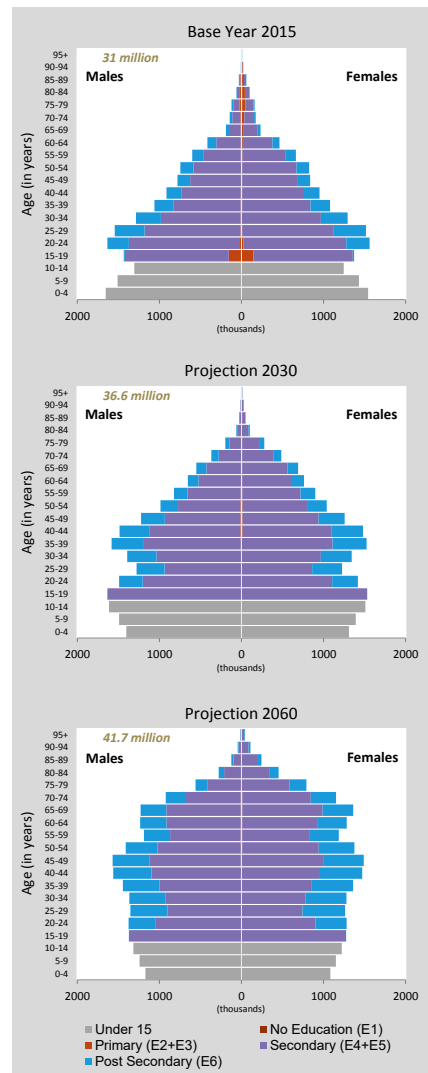
Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	30.98	33.20	36.62	39.18	40.98	41.65
Proportion age 65+	4.2%	5.0%	7.8%	10.0%	12.9%	17.6%
Proportion below age 20	37.1%	35.5%	32.5%	27.8%	25.7%	23.6%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	2.24	2.11	1.96	1.85	1.74	1.71
Life expectancy at birth (in years)						
Male	68.6	69.7	71.7	73.8	75.9	76.9
Female	74.3	75.2	77.2	79.2	81.1	83.1
Five-year net-migration flow (in thousands)	-70.2	-76.8	-84.0	-87.2	-87.9	-86.6

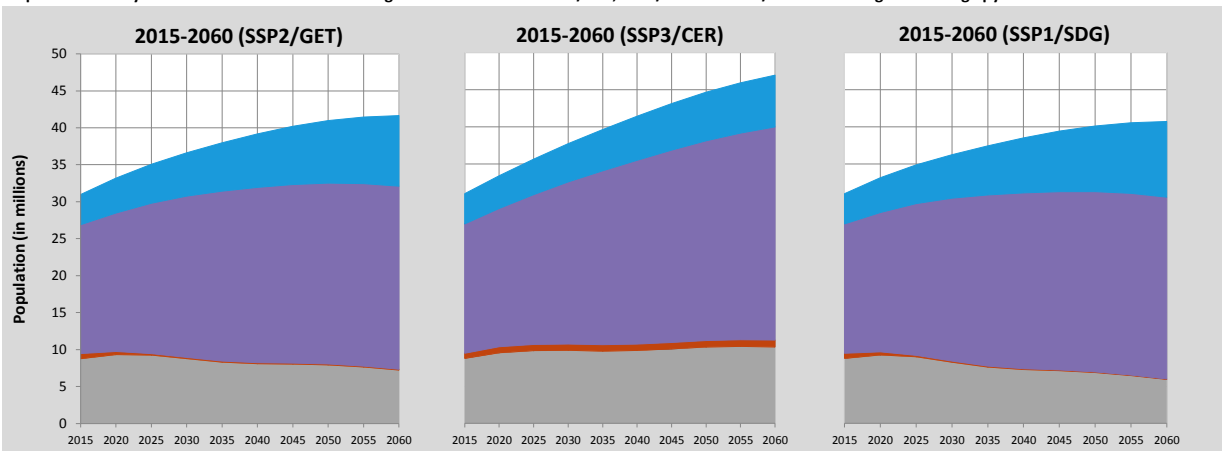
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	0.5%	0.4%	0.3%	0.2%	0.2%	0.2%
E2 - incomplete primary	0.6%	0.4%	0.2%	0.1%	0.1%	0.1%
E3 - primary	1.5%	1.0%	0.5%	0.4%	0.3%	0.3%
E4 - lower secondary	9.8%	8.3%	6.1%	4.3%	3.0%	2.0%
E5 - upper secondary	66.2%	67.4%	68.8%	68.9%	68.3%	67.2%
E6 - post-secondary	21.5%	22.6%	24.1%	26.0%	28.1%	30.3%
Mean years of schooling (in years)	10.7	11.1	11.5	11.9	12.2	12.4
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.45	0.53	0.72	0.76	0.72	0.67
E2 - incomplete primary	0.60	0.65	0.80	0.91	0.91	0.89
E3 - primary	0.61	0.63	0.75	0.92	0.98	0.97
E4 - lower secondary	1.05	1.08	1.15	1.20	1.23	1.25
E5 - upper secondary	0.99	0.99	1.00	1.01	1.03	1.05
E6 - post-secondary	1.06	1.03	0.98	0.94	0.92	0.89
Mean years of schooling (male minus female)	0.1	0.1	0.0	0.0	0.0	0.0
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	0.1%	0.2%	0.1%	0.1%	0.1%	0.0%
E2 - incomplete primary	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%
E3 - primary	0.7%	0.5%	0.1%	0.1%	0.1%	0.1%
E4 - lower secondary	6.9%	4.9%	2.0%	0.9%	0.5%	0.3%
E5 - upper secondary	70.2%	70.8%	72.4%	71.1%	68.8%	66.3%
E6 - post-secondary	21.9%	23.5%	25.3%	27.7%	30.5%	33.2%
Mean years of schooling (in years)	11.8	12.1	12.4	12.5	12.6	12.7

Education scenarios
 SSP2/GET: Global Education Trend Scenario (Medium assumption)
 SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)
 SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

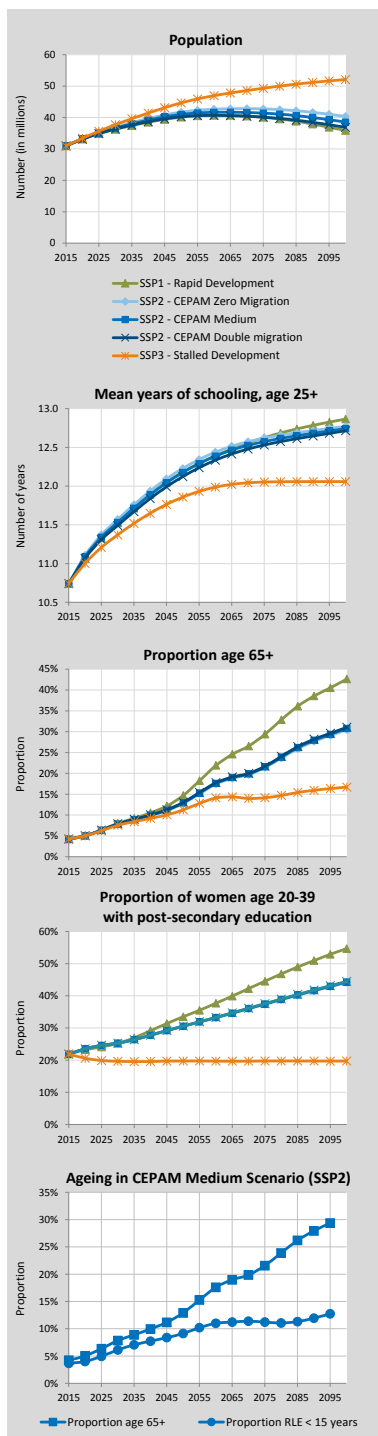
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Uzbekistan (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)

	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	30.98	33.12	36.23	40.10	40.71	40.08	35.90
SSP2 - CEPAM Zero Migration	30.98	33.27	36.89	41.72	42.65	42.74	40.35
SSP2 - CEPAM Medium	30.98	33.20	36.62	40.98	41.65	41.40	38.55
SSP2 - CEPAM Double Migration	30.98	33.12	36.35	40.25	40.68	40.11	36.88
SSP3 - Stalled Development	30.98	33.40	37.72	44.66	46.96	49.32	52.10
Proportion age 65+							
SSP1 - Rapid Development	4.2%	5.0%	8.0%	14.7%	21.9%	29.4%	42.6%
SSP2 - CEPAM Zero Migration	4.2%	5.0%	7.8%	12.8%	17.4%	21.4%	30.5%
SSP2 - CEPAM Medium	4.2%	5.0%	7.8%	12.9%	17.6%	21.6%	30.8%
SSP2 - CEPAM Double Migration	4.2%	5.0%	7.9%	13.0%	17.8%	21.7%	31.0%
SSP3 - Stalled Development	4.2%	5.0%	7.6%	11.2%	14.1%	14.1%	16.7%
Proportion below age 20							
SSP1 - Rapid Development	37.1%	35.3%	31.4%	22.9%	20.1%	16.3%	12.6%
SSP2 - CEPAM Zero Migration	37.1%	35.5%	32.4%	25.6%	23.6%	20.5%	17.3%
SSP2 - CEPAM Medium	37.1%	35.5%	32.5%	25.7%	23.6%	20.5%	17.2%
SSP2 - CEPAM Double Migration	37.1%	35.6%	32.5%	25.7%	23.6%	20.5%	17.2%
SSP3 - Stalled Development	37.1%	35.9%	34.4%	30.1%	29.1%	27.4%	25.6%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	21.9%	23.2%	25.2%	33.5%	37.7%	44.5%	54.7%
SSP2 - CEPAM Zero Migration	21.9%	23.5%	25.3%	30.5%	33.2%	37.4%	44.1%
SSP2 - CEPAM Medium	21.9%	23.5%	25.3%	30.5%	33.2%	37.4%	44.3%
SSP2 - CEPAM Double Migration	21.9%	23.5%	25.3%	30.6%	33.3%	37.6%	44.5%
SSP3 - Stalled Development	21.9%	20.6%	19.6%	19.7%	19.7%	19.7%	19.7%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	10.7	11.1	11.5	12.2	12.4	12.6	12.9
SSP2 - CEPAM Zero Migration	10.7	11.1	11.6	12.2	12.4	12.6	12.8
SSP2 - CEPAM Medium	10.7	11.1	11.5	12.2	12.4	12.6	12.7
SSP2 - CEPAM Double Migration	10.7	11.1	11.5	12.1	12.3	12.5	12.7
SSP3 - Stalled Development	10.7	11.0	11.4	11.9	12.0	12.1	12.1

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	2.16	1.97	1.75	1.52	1.47	1.40	1.36
SSP2 - CEPAM Zero Migration	2.24	2.12	1.96	1.74	1.68	1.62	1.57
SSP2 - CEPAM Medium	2.24	2.11	1.96	1.74	1.68	1.62	1.57
SSP2 - CEPAM Double Migration	2.24	2.11	1.96	1.74	1.68	1.62	1.57
SSP3 - Stalled Development	2.38	2.39	2.39	2.22	2.16	2.08	2.03
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	74.8	76.3	79.2	85.1	88.1	92.5	98.4
SSP2 - CEPAM Zero Migration	74.3	75.2	77.2	81.1	83.1	86.0	89.9
SSP2 - CEPAM Medium	74.3	75.2	77.2	81.1	83.1	86.0	89.9
SSP2 - CEPAM Double Migration	74.3	75.2	77.2	81.1	83.0	86.0	89.9
SSP3 - Stalled Development	73.7	74.2	75.1	77.0	77.9	79.3	81.2
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-70.2	-77.1	-86.3	-97.5	-99.2	-96.6	-87.1
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-70.2	-76.8	-84.0	-87.9	-84.5	-77.4	-64.5
SSP2 - CEPAM Double Migration	-140.4	-153.2	-166.8	-171.7	-163.1	-146.0	-117.1
SSP3 - Stalled Development	-46.8	-25.7	-0.1	-0.1	-0.1	-0.1	-0.1

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	26.3	28.2	31.9	37.3	40.5	44.1	49.0
Proportion age 65+	4.2%	5.0%	7.8%	12.9%	17.6%	21.6%	29.3%
Proportion RLE < 15 years	3.6%	3.6%	5.7%	8.6%	10.0%	11.7%	12.7%

Vanuatu

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	0.26	0.29	0.34	0.38	0.42	0.45
Proportion age 65+	4.2%	4.6%	6.0%	7.7%	10.3%	13.3%
Proportion below age 20	46.3%	44.4%	38.6%	33.5%	30.2%	26.6%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	3.06	2.75	2.37	2.10	1.91	1.84
Life expectancy at birth (in years)						
Male	70.3	71.3	73.2	75.1	77.1	78.0
Female	74.8	75.7	77.6	79.5	81.5	83.4
Five-year net-migration flow (in thousands)	-1.0	-1.1	-1.3	-1.5	-1.7	-1.7

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	17.3%	14.4%	9.6%	6.2%	4.0%	2.5%
E2 - incomplete primary	20.5%	18.4%	14.1%	10.1%	7.1%	4.8%
E3 - primary	30.4%	30.9%	30.4%	27.1%	23.0%	18.5%
E4 - lower secondary	15.5%	17.2%	20.5%	23.1%	24.5%	24.5%
E5 - upper secondary	12.1%	14.2%	19.3%	25.7%	31.8%	38.0%
E6 - post-secondary	4.3%	4.9%	6.1%	7.7%	9.5%	11.7%
Mean years of schooling (in years)	6.6	7.1	8.2	9.2	10.0	10.8
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.72	0.73	0.73	0.74	0.76	0.78
E2 - incomplete primary	0.97	0.98	0.99	1.00	1.02	1.04
E3 - primary	0.98	0.97	0.95	0.95	0.96	0.96
E4 - lower secondary	1.08	1.03	1.00	0.97	0.97	0.97
E5 - upper secondary	1.38	1.31	1.21	1.15	1.10	1.08
E6 - post-secondary	1.48	1.35	1.19	1.06	0.97	0.91
Mean years of schooling (male minus female)	0.4	0.4	0.3	0.2	0.1	0.0
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	9.7%	7.2%	3.1%	1.5%	0.6%	0.2%
E2 - incomplete primary	16.3%	12.7%	6.5%	3.4%	1.6%	0.6%
E3 - primary	31.0%	30.1%	26.2%	19.1%	12.0%	6.3%
E4 - lower secondary	20.5%	22.5%	25.7%	26.9%	25.7%	21.5%
E5 - upper secondary	18.0%	22.0%	31.0%	39.3%	47.4%	54.9%
E6 - post-secondary	4.5%	5.6%	7.5%	9.8%	12.7%	16.4%
Mean years of schooling (in years)	7.7	8.5	9.9	11.0	11.9	12.7

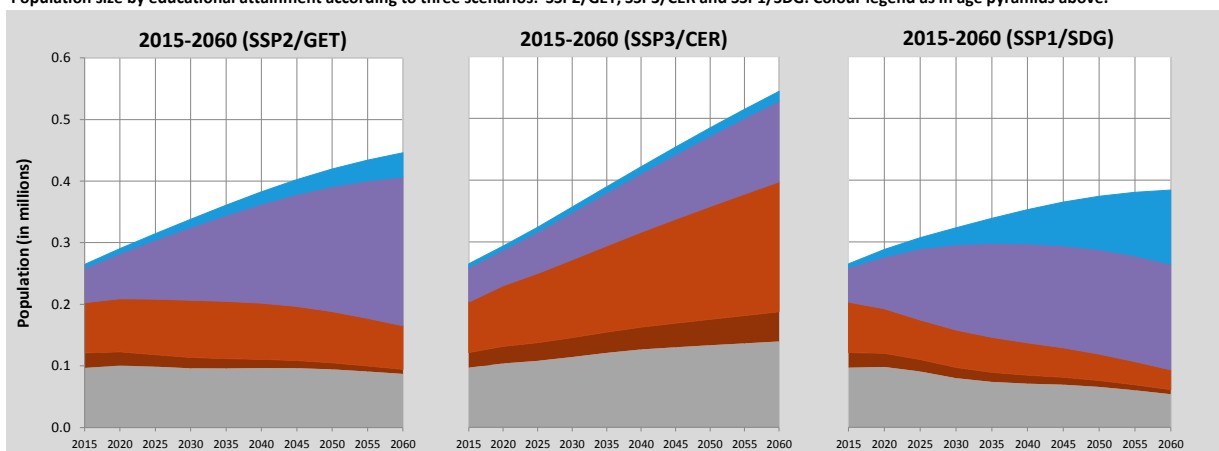
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

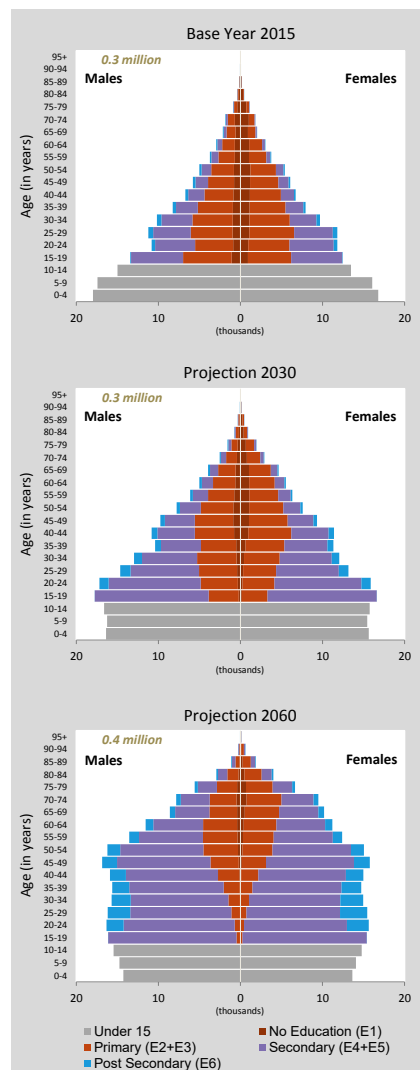
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

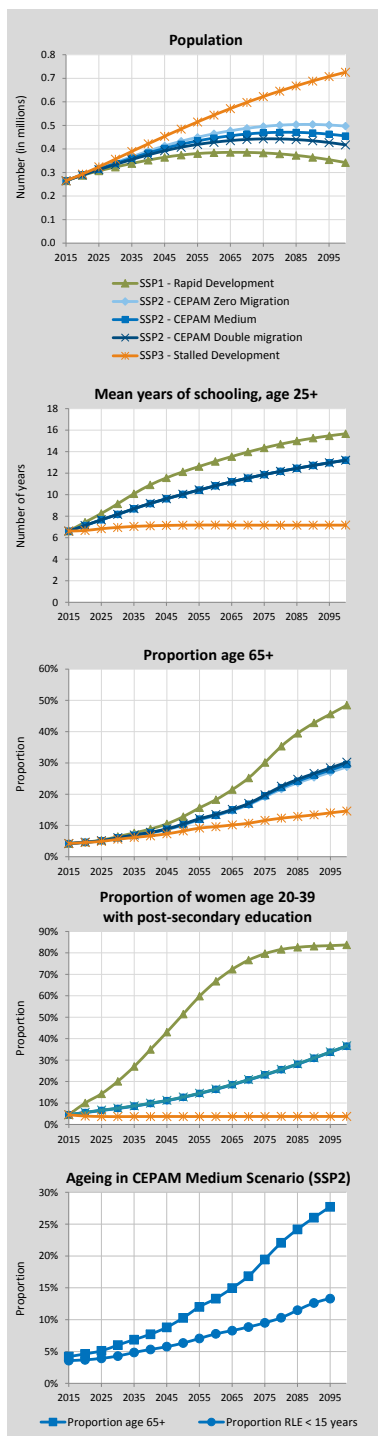
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



Vanuatu (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	0.26	0.29	0.32	0.37	0.38	0.38	0.34
SSP2 - CEPAM Zero Migration	0.26	0.29	0.34	0.43	0.46	0.50	0.50
SSP2 - CEPAM Medium	0.26	0.29	0.34	0.42	0.45	0.47	0.46
SSP2 - CEPAM Double Migration	0.26	0.29	0.33	0.41	0.43	0.44	0.42
SSP3 - Stalled Development	0.26	0.29	0.36	0.48	0.54	0.62	0.73
Proportion age 65+							
SSP1 - Rapid Development	4.2%	4.7%	6.4%	12.8%	18.2%	30.1%	48.5%
SSP2 - CEPAM Zero Migration	4.2%	4.6%	5.9%	10.1%	13.1%	19.1%	28.7%
SSP2 - CEPAM Medium	4.2%	4.6%	6.0%	10.3%	13.3%	19.4%	29.5%
SSP2 - CEPAM Double Migration	4.2%	4.6%	6.1%	10.4%	13.5%	19.8%	30.2%
SSP3 - Stalled Development	4.2%	4.6%	5.6%	8.2%	9.6%	11.6%	14.6%
Proportion below age 20							
SSP1 - Rapid Development	46.3%	43.8%	35.3%	23.8%	19.7%	14.8%	9.9%
SSP2 - CEPAM Zero Migration	46.3%	44.3%	38.5%	30.1%	26.6%	22.7%	18.2%
SSP2 - CEPAM Medium	46.3%	44.4%	38.6%	30.2%	26.6%	22.6%	17.9%
SSP2 - CEPAM Double Migration	46.3%	44.5%	38.7%	30.2%	26.5%	22.4%	17.7%
SSP3 - Stalled Development	46.3%	44.9%	41.6%	36.1%	33.7%	31.3%	28.7%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	4.5%	10.0%	20.1%	51.5%	66.8%	79.7%	83.7%
SSP2 - CEPAM Zero Migration	4.5%	5.5%	7.4%	12.6%	16.3%	23.0%	36.4%
SSP2 - CEPAM Medium	4.5%	5.6%	7.5%	12.7%	16.4%	23.1%	36.5%
SSP2 - CEPAM Double Migration	4.5%	5.6%	7.6%	12.8%	16.5%	23.2%	36.7%
SSP3 - Stalled Development	4.5%	3.9%	3.7%	3.7%	3.7%	3.7%	3.7%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	6.6	7.4	9.2	12.1	13.1	14.4	15.7
SSP2 - CEPAM Zero Migration	6.6	7.1	8.2	10.0	10.8	11.9	13.2
SSP2 - CEPAM Medium	6.6	7.1	8.2	10.0	10.8	11.9	13.2
SSP2 - CEPAM Double Migration	6.6	7.1	8.2	10.0	10.8	11.9	13.2
SSP3 - Stalled Development	6.6	6.7	7.0	7.2	7.2	7.2	7.2

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	2.80	2.27	1.75	1.38	1.31	1.23	1.15
SSP2 - CEPAM Zero Migration	3.06	2.75	2.37	1.91	1.79	1.67	1.56
SSP2 - CEPAM Medium	3.06	2.75	2.37	1.91	1.79	1.67	1.56
SSP2 - CEPAM Double Migration	3.06	2.75	2.37	1.91	1.79	1.67	1.56
SSP3 - Stalled Development	3.33	3.26	3.04	2.54	2.40	2.30	2.21
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	75.3	76.8	79.7	85.5	88.5	93.0	99.2
SSP2 - CEPAM Zero Migration	74.8	75.7	77.6	81.4	83.4	86.2	90.1
SSP2 - CEPAM Medium	74.8	75.7	77.6	81.5	83.4	86.2	90.1
SSP2 - CEPAM Double Migration	74.8	75.7	77.6	81.5	83.4	86.3	90.1
SSP3 - Stalled Development	74.2	74.6	75.3	76.7	77.4	78.4	79.9
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-1.0	-1.1	-1.2	-1.5	-1.5	-1.5	-1.4
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-1.0	-1.1	-1.3	-1.7	-1.8	-1.9	-1.8
SSP2 - CEPAM Double Migration	-1.9	-2.2	-2.6	-3.3	-3.4	-3.5	-3.3
SSP3 - Stalled Development	-0.6	-0.3	0.0	0.0	0.0	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	22.2	23.2	26.0	33.3	36.7	41.5	47.7
Proportion age 65+	4.2%	4.6%	6.0%	10.3%	13.3%	19.4%	27.7%
Proportion RLE < 15 years	3.2%	3.3%	4.0%	6.1%	7.6%	9.4%	13.1%

Venezuela

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	31.16	33.20	36.76	39.63	41.50	42.68
Proportion age 65+	6.3%	7.2%	10.3%	13.3%	16.7%	20.8%
Proportion below age 20	37.1%	35.2%	31.3%	27.8%	24.5%	21.9%
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	2.26	2.12	1.96	1.73	1.68	1.65
Life expectancy at birth (in years)						
Male	70.9	72.1	74.5	77.0	79.4	80.7
Female	78.9	80.1	82.2	84.3	86.4	88.5
Five-year net-migration flow (in thousands)	-7.3	-8.3	-9.7	-10.2	-8.7	-7.9

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	4.9%	4.1%	2.8%	1.9%	1.3%	0.9%
E2 - incomplete primary	8.8%	7.6%	5.5%	3.9%	2.7%	1.8%
E3 - primary	15.6%	14.0%	10.9%	8.3%	6.2%	4.5%
E4 - lower secondary	20.7%	20.8%	20.3%	19.1%	17.3%	15.2%
E5 - upper secondary	29.0%	30.9%	34.5%	37.5%	39.8%	41.6%
E6 - post-secondary	20.9%	22.7%	26.0%	29.3%	32.7%	36.1%
Mean years of schooling (in years)	9.6	9.9	10.5	11.0	11.4	11.8
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	1.10	1.16	1.28	1.37	1.41	1.41
E2 - incomplete primary	1.27	1.30	1.35	1.39	1.41	1.39
E3 - primary	1.22	1.24	1.29	1.35	1.40	1.45
E4 - lower secondary	1.12	1.15	1.19	1.23	1.27	1.32
E5 - upper secondary	1.02	1.04	1.08	1.14	1.20	1.27
E6 - post-secondary	0.65	0.65	0.64	0.63	0.63	0.63
Mean years of schooling (male minus female)	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	2.2%	1.8%	0.9%	0.5%	0.2%	0.1%
E2 - incomplete primary	4.8%	3.7%	1.8%	0.8%	0.4%	0.2%
E3 - primary	8.6%	7.3%	5.0%	3.1%	1.9%	1.1%
E4 - lower secondary	23.0%	21.1%	17.5%	14.5%	11.2%	8.1%
E5 - upper secondary	34.9%	38.4%	44.7%	47.2%	48.4%	48.7%
E6 - post-secondary	26.4%	27.7%	30.2%	34.0%	37.9%	41.8%
Mean years of schooling (in years)	11.3	11.5	12.0	12.4	12.7	13.0

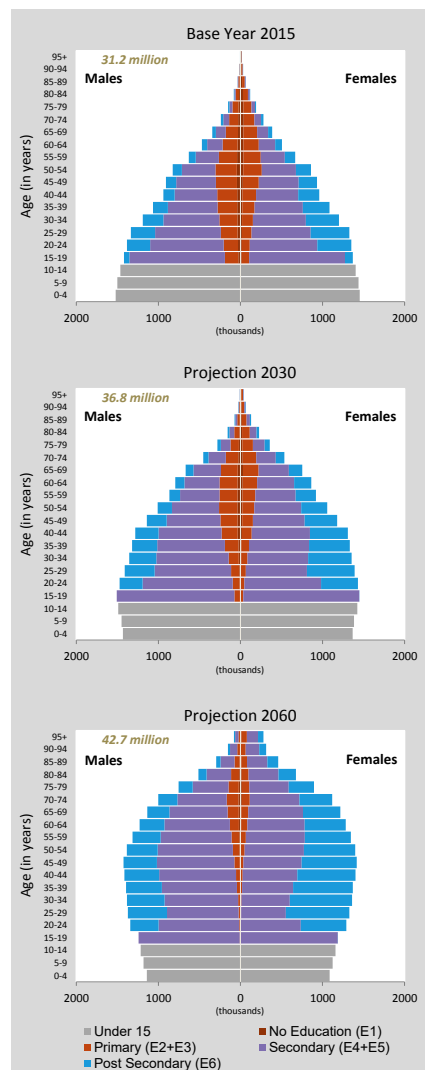
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

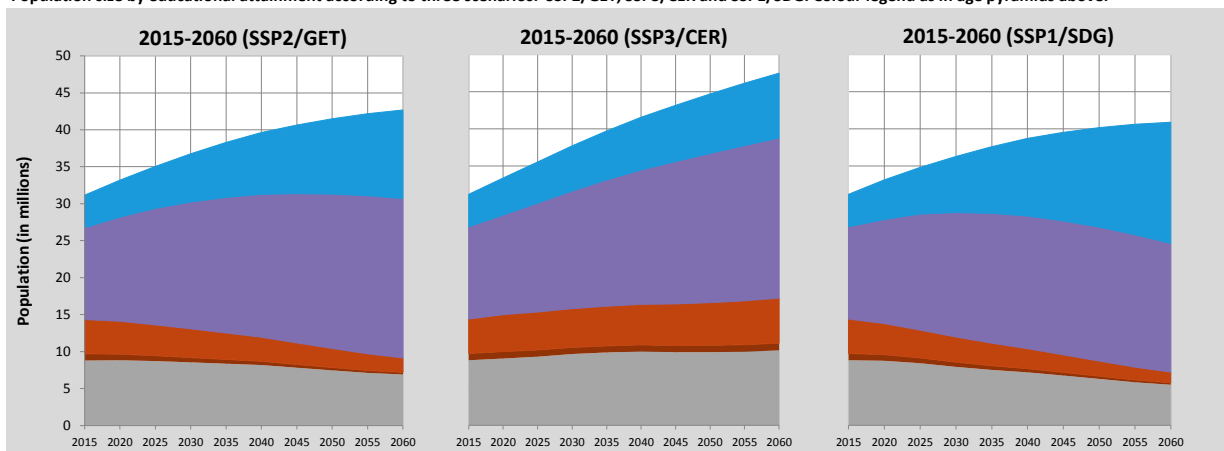
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

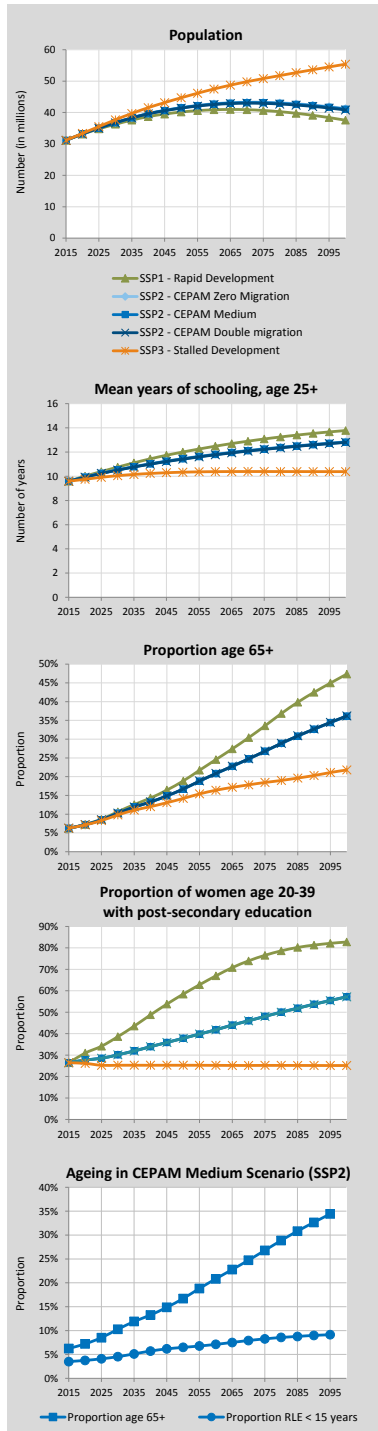
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Venezuela (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	31.16	33.11	36.26	40.15	40.88	40.66	37.55
SSP2 - CEPAM Zero Migration	31.16	33.20	36.79	41.58	42.80	43.27	41.27
SSP2 - CEPAM Medium	31.16	33.20	36.76	41.50	42.68	43.12	41.09
SSP2 - CEPAM Double Migration	31.16	33.19	36.73	41.39	42.54	42.92	40.81
SSP3 - Stalled Development	31.16	33.36	37.70	44.69	47.49	50.81	55.39
Proportion age 65+							
SSP1 - Rapid Development	6.3%	7.3%	10.7%	18.9%	24.6%	33.6%	47.3%
SSP2 - CEPAM Zero Migration	6.3%	7.2%	10.3%	16.7%	20.8%	26.8%	36.1%
SSP2 - CEPAM Medium	6.3%	7.2%	10.3%	16.7%	20.8%	26.8%	36.1%
SSP2 - CEPAM Double Migration	6.3%	7.2%	10.3%	16.7%	20.9%	26.8%	36.2%
SSP3 - Stalled Development	6.3%	7.1%	9.8%	14.2%	16.4%	18.5%	21.8%
Proportion below age 20							
SSP1 - Rapid Development	37.1%	35.0%	29.9%	21.6%	18.4%	15.3%	11.8%
SSP2 - CEPAM Zero Migration	37.1%	35.2%	31.3%	24.6%	21.9%	19.3%	16.3%
SSP2 - CEPAM Medium	37.1%	35.2%	31.3%	24.5%	21.9%	19.3%	16.3%
SSP2 - CEPAM Double Migration	37.1%	35.2%	31.3%	24.5%	21.9%	19.3%	16.2%
SSP3 - Stalled Development	37.1%	35.6%	33.4%	29.5%	28.1%	26.8%	25.4%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	26.4%	31.0%	38.6%	58.4%	67.0%	76.6%	82.8%
SSP2 - CEPAM Zero Migration	26.4%	27.8%	30.2%	37.9%	41.9%	48.2%	57.3%
SSP2 - CEPAM Medium	26.4%	27.7%	30.2%	37.9%	41.8%	48.1%	57.2%
SSP2 - CEPAM Double Migration	26.4%	27.7%	30.1%	37.8%	41.8%	48.0%	57.2%
SSP3 - Stalled Development	26.4%	26.2%	25.3%	25.3%	25.2%	25.2%	25.2%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	9.6	10.0	10.8	12.0	12.5	13.1	13.8
SSP2 - CEPAM Zero Migration	9.6	9.9	10.5	11.5	11.8	12.3	12.8
SSP2 - CEPAM Medium	9.6	9.9	10.5	11.4	11.8	12.2	12.8
SSP2 - CEPAM Double Migration	9.6	9.9	10.5	11.4	11.8	12.2	12.8
SSP3 - Stalled Development	9.6	9.8	10.0	10.3	10.4	10.4	10.4

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	2.16	1.94	1.72	1.43	1.40	1.37	1.38
SSP2 - CEPAM Zero Migration	2.25	2.12	1.96	1.68	1.63	1.59	1.60
SSP2 - CEPAM Medium	2.26	2.12	1.96	1.68	1.63	1.59	1.60
SSP2 - CEPAM Double Migration	2.26	2.12	1.96	1.68	1.63	1.59	1.60
SSP3 - Stalled Development	2.41	2.39	2.38	2.19	2.15	2.13	2.16
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	79.5	81.1	84.2	90.4	93.5	98.2	104.3
SSP2 - CEPAM Zero Migration	78.9	80.1	82.2	86.4	88.5	91.6	95.8
SSP2 - CEPAM Medium	78.9	80.1	82.2	86.4	88.5	91.6	95.8
SSP2 - CEPAM Double Migration	78.9	80.0	82.2	86.4	88.4	91.6	95.8
SSP3 - Stalled Development	78.4	79.0	80.0	82.1	83.1	84.6	86.7
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-7.3	-8.6	-11.8	-15.3	-16.6	-17.9	-19.0
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-7.3	-8.3	-9.7	-8.7	-7.1	-4.1	0.6
SSP2 - CEPAM Double Migration	-14.6	-17.3	-21.4	-21.5	-19.4	-14.1	-5.0
SSP3 - Stalled Development	-4.9	-2.7	0.0	0.0	0.0	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	27.4	29.0	32.2	38.8	42.1	46.7	52.2
Proportion age 65+	6.3%	7.2%	10.3%	16.7%	20.8%	26.8%	34.4%
Proportion RLE < 15 years	3.0%	3.2%	3.8%	5.7%	6.3%	7.3%	8.4%

Vietnam

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	93.57	97.89	103.80	106.17	106.33	103.80
Proportion age 65+	6.7%	8.1%	12.7%	17.8%	23.4%	29.9%
Proportion below age 20	30.6%	29.5%	26.5%	21.6%	18.9%	17.5%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	1.85	1.74	1.61	1.51	1.46	1.45
Life expectancy at birth (in years)						
Male	71.9	73.1	75.7	78.2	80.7	82.0
Female	81.1	82.1	83.9	85.8	87.7	89.6
Five-year net-migration flow (in thousands)	-348.1	-363.7	-383.4	-388.7	-385.5	-380.4

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	5.8%	4.9%	3.9%	3.0%	2.4%	1.8%
E2 - incomplete primary	15.8%	13.6%	10.4%	7.7%	5.6%	4.0%
E3 - primary	28.7%	27.5%	25.5%	22.6%	19.2%	15.9%
E4 - lower secondary	30.6%	32.1%	33.6%	33.6%	32.4%	30.5%
E5 - upper secondary	11.0%	12.7%	15.5%	18.9%	22.4%	25.7%
E6 - post-secondary	8.1%	9.2%	11.2%	14.2%	18.0%	22.1%
Mean years of schooling (in years)	7.4	7.8	8.4	9.1	9.8	10.4
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.48	0.52	0.60	0.68	0.72	0.76
E2 - incomplete primary	0.69	0.70	0.76	0.82	0.88	0.94
E3 - primary	1.05	1.04	1.03	1.04	1.05	1.07
E4 - lower secondary	1.14	1.11	1.07	1.06	1.06	1.09
E5 - upper secondary	1.27	1.21	1.13	1.09	1.08	1.08
E6 - post-secondary	1.22	1.11	0.99	0.90	0.84	0.80
Mean years of schooling (male minus female)	0.4	0.3	0.2	0.1	0.0	-0.1
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	3.6%	2.9%	1.7%	1.0%	0.5%	0.2%
E2 - incomplete primary	8.4%	6.3%	2.9%	1.5%	0.7%	0.3%
E3 - primary	26.6%	23.0%	16.7%	11.5%	6.9%	3.4%
E4 - lower secondary	33.0%	34.6%	35.7%	31.0%	25.6%	19.1%
E5 - upper secondary	17.1%	20.1%	26.4%	32.4%	36.9%	40.3%
E6 - post-secondary	11.3%	13.1%	16.6%	22.5%	29.3%	36.7%
Mean years of schooling (in years)	8.6	9.3	10.4	11.5	12.4	13.2

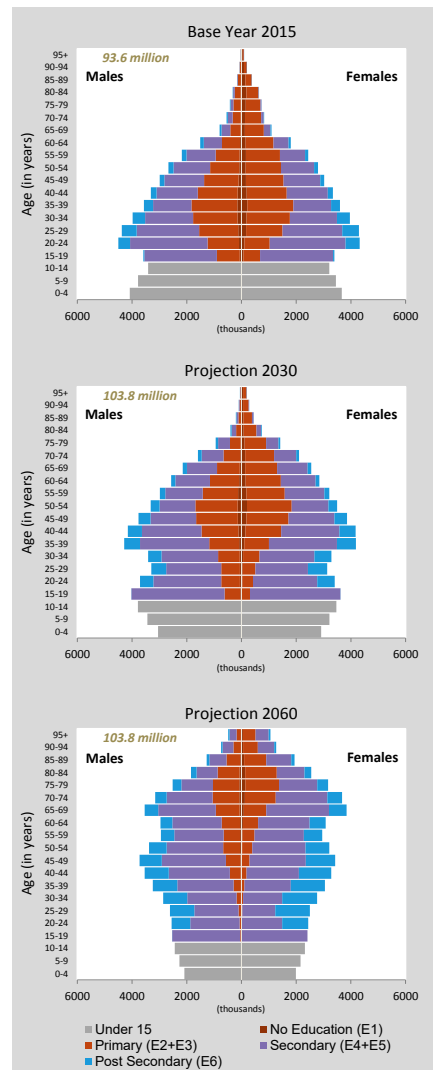
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

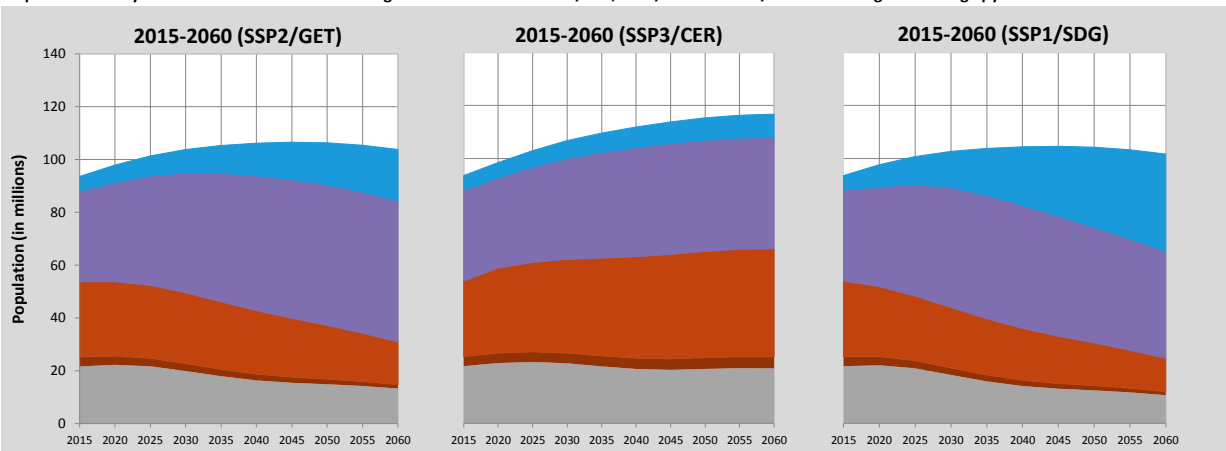
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

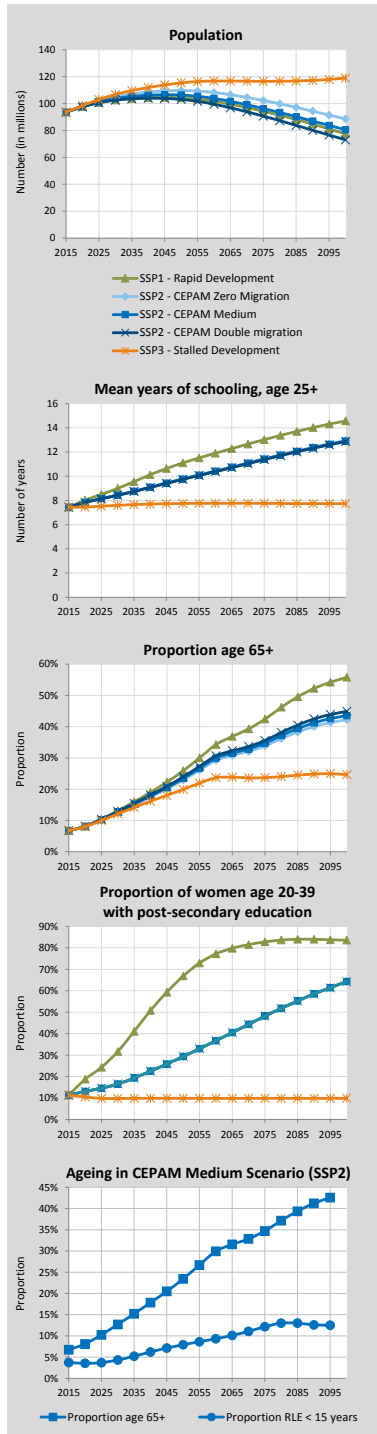
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Vietnam (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	93.57	97.68	102.70	104.28	101.69	94.27	77.57
SSP2 - CEPAM Zero Migration	93.57	98.27	105.08	109.67	108.23	102.30	88.60
SSP2 - CEPAM Medium	93.57	97.89	103.80	106.33	103.80	96.33	80.52
SSP2 - CEPAM Double Migration	93.57	97.52	102.52	103.06	99.52	90.65	73.08
SSP3 - Stalled Development	93.57	98.48	106.78	115.36	116.75	116.52	118.99
Proportion age 65+							
SSP1 - Rapid Development	6.7%	8.2%	13.1%	25.9%	34.3%	42.4%	55.8%
SSP2 - CEPAM Zero Migration	6.7%	8.1%	12.6%	22.9%	29.2%	33.9%	42.2%
SSP2 - CEPAM Medium	6.7%	8.1%	12.7%	23.4%	29.9%	34.7%	43.5%
SSP2 - CEPAM Double Migration	6.7%	8.1%	12.8%	24.0%	30.6%	35.6%	44.9%
SSP3 - Stalled Development	6.7%	8.0%	12.1%	20.0%	23.7%	23.7%	24.7%
Proportion below age 20							
SSP1 - Rapid Development	30.6%	29.2%	25.3%	16.3%	14.6%	11.5%	9.5%
SSP2 - CEPAM Zero Migration	30.6%	29.4%	26.5%	19.1%	17.7%	15.4%	14.1%
SSP2 - CEPAM Medium	30.6%	29.5%	26.5%	18.9%	17.5%	15.1%	13.8%
SSP2 - CEPAM Double Migration	30.6%	29.5%	26.5%	18.8%	17.4%	14.8%	13.4%
SSP3 - Stalled Development	30.6%	29.8%	28.4%	23.6%	23.7%	23.3%	25.1%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	11.3%	18.8%	31.7%	66.9%	77.2%	82.8%	83.6%
SSP2 - CEPAM Zero Migration	11.3%	13.1%	16.6%	29.4%	36.8%	48.2%	64.4%
SSP2 - CEPAM Medium	11.3%	13.1%	16.6%	29.3%	36.7%	48.2%	64.3%
SSP2 - CEPAM Double Migration	11.3%	13.1%	16.6%	29.3%	36.7%	48.2%	64.2%
SSP3 - Stalled Development	11.3%	10.5%	9.8%	9.9%	9.8%	9.9%	9.9%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	7.4	8.0	9.0	11.1	11.9	13.0	14.6
SSP2 - CEPAM Zero Migration	7.4	7.8	8.4	9.8	10.4	11.4	13.0
SSP2 - CEPAM Medium	7.4	7.8	8.4	9.8	10.4	11.4	12.9
SSP2 - CEPAM Double Migration	7.4	7.8	8.4	9.7	10.4	11.4	12.9
SSP3 - Stalled Development	7.4	7.5	7.6	7.8	7.8	7.8	7.7

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.77	1.58	1.38	1.24	1.24	1.28	1.34
SSP2 - CEPAM Zero Migration	1.85	1.74	1.61	1.46	1.45	1.48	1.54
SSP2 - CEPAM Medium	1.85	1.74	1.61	1.46	1.45	1.48	1.54
SSP2 - CEPAM Double Migration	1.85	1.74	1.61	1.46	1.45	1.48	1.54
SSP3 - Stalled Development	1.99	1.99	2.00	1.98	2.04	2.17	2.34
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	81.6	83.1	86.1	91.9	94.8	99.2	105.1
SSP2 - CEPAM Zero Migration	81.1	82.1	83.9	87.7	89.6	92.4	96.2
SSP2 - CEPAM Medium	81.1	82.1	83.9	87.7	89.6	92.4	96.2
SSP2 - CEPAM Double Migration	81.1	82.1	83.9	87.7	89.6	92.4	96.2
SSP3 - Stalled Development	80.5	80.9	81.6	83.0	83.6	84.5	85.8
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-348.4	-363.5	-380.9	-381.7	-369.8	-339.3	-288.6
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-348.1	-363.7	-383.4	-385.5	-372.9	-341.5	-293.5
SSP2 - CEPAM Double Migration	-696.1	-724.5	-757.1	-746.1	-713.2	-640.1	-533.2
SSP3 - Stalled Development	-232.0	-122.0	-0.4	-0.4	-0.4	-0.4	-0.4

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	30.4	32.6	37.4	44.8	48.4	53.9	58.3
Proportion age 65+	6.7%	8.1%	12.7%	23.4%	29.9%	34.7%	42.6%
Proportion RLE < 15 years	4.1%	3.8%	4.1%	8.1%	9.8%	12.8%	13.3%

Virgin Islands

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	0.11	0.11	0.11	0.10	0.10	0.10
Proportion age 65+	17.4%	20.1%	24.9%	26.6%	25.5%	25.2%
Proportion below age 20	27.0%	26.2%	23.9%	22.3%	21.2%	19.9%
Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	2.12	1.97	1.74	1.65	1.60	1.59
Life expectancy at birth (in years)						
Male	77.7	78.8	81.0	83.3	85.6	86.7
Female	82.2	83.4	85.8	88.1	90.5	92.8
Five-year net-migration flow (in thousands)	-1.4	-1.1	-0.4	0.1	0.5	0.6

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	5.5%	5.1%	4.0%	3.4%	3.1%	2.8%
E2 - incomplete primary	3.6%	3.3%	2.6%	2.1%	1.8%	1.6%
E3 - primary	46.1%	42.0%	33.3%	24.2%	16.6%	10.8%
E4 - lower secondary	8.2%	8.8%	9.7%	9.9%	9.7%	9.1%
E5 - upper secondary	20.7%	23.1%	28.8%	34.3%	38.5%	41.1%
E6 - post-secondary	16.0%	17.7%	21.7%	26.0%	30.3%	34.6%
Mean years of schooling (in years)	8.9	9.3	10.1	10.9	11.6	12.1
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	1.18	1.07	0.92	0.84	0.77	0.71
E2 - incomplete primary	1.18	1.15	1.10	1.07	1.03	0.96
E3 - primary	1.12	1.12	1.11	1.11	1.11	1.13
E4 - lower secondary	0.91	0.95	1.01	1.06	1.10	1.16
E5 - upper secondary	0.88	0.93	1.03	1.10	1.15	1.19
E6 - post-secondary	0.82	0.82	0.82	0.80	0.78	0.77
Mean years of schooling (male minus female)	-0.3	-0.2	-0.2	-0.1	-0.1	-0.2
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	1.0%	2.1%	1.6%	1.3%	1.0%	0.7%
E2 - incomplete primary	0.8%	1.3%	0.9%	0.7%	0.6%	0.5%
E3 - primary	19.6%	14.2%	8.6%	5.1%	3.1%	2.1%
E4 - lower secondary	9.2%	9.8%	9.0%	7.4%	5.9%	4.6%
E5 - upper secondary	45.7%	46.8%	49.3%	50.0%	49.5%	47.7%
E6 - post-secondary	23.6%	25.9%	30.6%	35.4%	39.8%	44.4%
Mean years of schooling (in years)	12.1	12.1	12.7	13.1	13.5	13.8

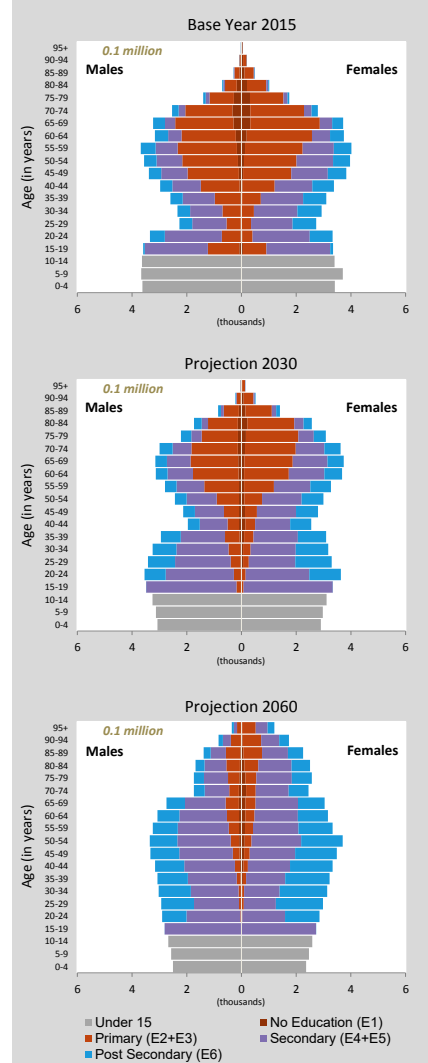
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

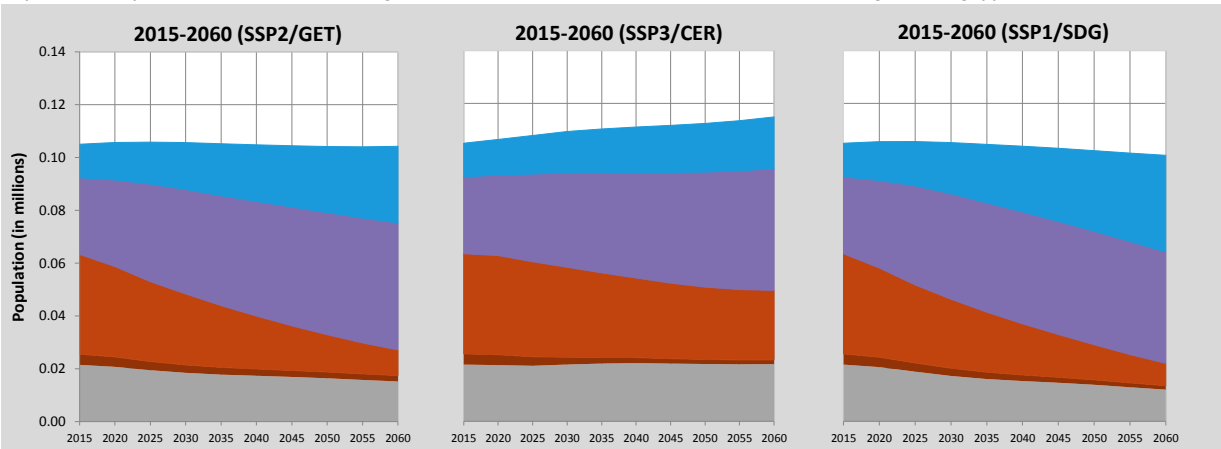
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

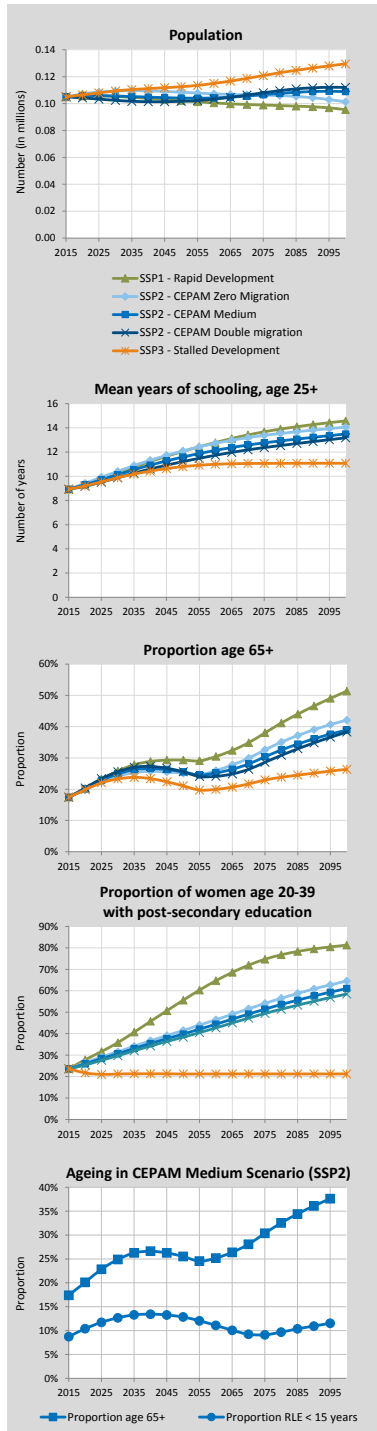
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Virgin Islands (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	0.11	0.11	0.11	0.10	0.10	0.10	0.10
SSP2 - CEPAM Zero Migration	0.11	0.11	0.11	0.11	0.11	0.11	0.10
SSP2 - CEPAM Medium	0.11	0.11	0.11	0.10	0.10	0.11	0.11
SSP2 - CEPAM Double Migration	0.11	0.10	0.10	0.10	0.10	0.11	0.11
SSP3 - Stalled Development	0.11	0.11	0.11	0.11	0.11	0.12	0.13
Proportion age 65+							
SSP1 - Rapid Development	17.4%	20.2%	25.8%	29.3%	30.5%	38.0%	51.4%
SSP2 - CEPAM Zero Migration	17.4%	19.8%	24.1%	25.1%	25.9%	32.6%	42.1%
SSP2 - CEPAM Medium	17.4%	20.1%	24.9%	25.5%	25.2%	30.4%	38.9%
SSP2 - CEPAM Double Migration	17.4%	20.4%	25.6%	25.6%	24.1%	28.6%	38.2%
SSP3 - Stalled Development	17.4%	19.8%	23.3%	21.1%	19.9%	23.0%	26.3%
Proportion below age 20							
SSP1 - Rapid Development	27.0%	26.0%	22.8%	18.5%	16.6%	14.3%	11.5%
SSP2 - CEPAM Zero Migration	27.0%	26.2%	23.9%	20.8%	19.1%	17.0%	14.7%
SSP2 - CEPAM Medium	27.0%	26.2%	23.9%	21.2%	19.9%	18.2%	16.1%
SSP2 - CEPAM Double Migration	27.0%	26.3%	23.9%	21.7%	20.5%	18.9%	16.5%
SSP3 - Stalled Development	27.0%	26.5%	25.9%	25.8%	25.1%	24.2%	23.4%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	23.6%	27.8%	35.8%	55.6%	64.7%	74.7%	81.3%
SSP2 - CEPAM Zero Migration	23.6%	26.4%	31.6%	41.5%	46.5%	54.1%	64.6%
SSP2 - CEPAM Medium	23.6%	25.9%	30.6%	39.8%	44.4%	51.4%	61.1%
SSP2 - CEPAM Double Migration	23.6%	25.4%	29.7%	38.4%	42.7%	49.4%	58.5%
SSP3 - Stalled Development	23.6%	21.7%	21.2%	21.2%	21.2%	21.2%	21.2%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	8.9	9.3	10.3	12.1	12.8	13.7	14.6
SSP2 - CEPAM Zero Migration	8.9	9.4	10.4	12.1	12.7	13.4	14.1
SSP2 - CEPAM Medium	8.9	9.3	10.1	11.6	12.1	12.8	13.5
SSP2 - CEPAM Double Migration	8.9	9.2	9.9	11.2	11.7	12.4	13.2
SSP3 - Stalled Development	8.9	9.2	9.9	10.8	11.0	11.1	11.1

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	2.04	1.83	1.54	1.39	1.38	1.39	1.43
SSP2 - CEPAM Zero Migration	2.12	1.97	1.75	1.60	1.58	1.60	1.63
SSP2 - CEPAM Medium	2.12	1.97	1.74	1.60	1.58	1.60	1.64
SSP2 - CEPAM Double Migration	2.11	1.96	1.74	1.60	1.59	1.60	1.64
SSP3 - Stalled Development	2.26	2.24	2.17	2.08	2.07	2.11	2.18
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	82.7	84.4	87.8	94.4	97.7	102.5	109.2
SSP2 - CEPAM Zero Migration	82.2	83.5	85.8	90.6	93.0	96.5	101.1
SSP2 - CEPAM Medium	82.2	83.4	85.8	90.5	92.8	96.3	100.9
SSP2 - CEPAM Double Migration	82.2	83.4	85.7	90.4	92.7	96.1	100.7
SSP3 - Stalled Development	81.7	82.4	83.7	86.5	87.8	89.7	92.2
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-1.4	-1.1	-0.6	0.1	0.2	0.1	-0.2
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-1.4	-1.1	-0.4	0.5	0.7	0.7	0.5
SSP2 - CEPAM Double Migration	-2.7	-2.0	-0.6	1.0	1.2	0.8	0.1
SSP3 - Stalled Development	-0.9	-0.3	0.0	0.0	0.0	0.0	0.0

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	41.2	41.9	41.3	43.3	45.6	49.0	54.1
Proportion age 65+	17.4%	20.1%	24.9%	25.5%	25.2%	30.4%	37.6%
Proportion RLE < 15 years	7.3%	8.9%	12.1%	13.3%	11.9%	9.5%	10.9%

Western Sahara

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	0.53	0.60	0.74	0.87	1.00	1.11
Proportion age 65+	2.5%	3.4%	5.9%	8.6%	12.1%	15.2%
Proportion below age 20	37.2%	35.0%	31.4%	27.5%	25.3%	23.8%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	2.40	2.22	2.01	1.88	1.79	1.76
Life expectancy at birth (in years)						
Male	68.2	69.3	71.1	72.8	74.4	75.2
Female	71.8	73.2	75.5	77.3	78.9	80.4
Five-year net-migration flow (in thousands)	28.2	29.8	32.8	35.2	37.2	37.9

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	56.7%	50.4%	40.9%	32.3%	24.5%	17.7%
E2 - incomplete primary	7.0%	7.6%	8.5%	8.8%	8.6%	8.0%
E3 - primary	17.7%	18.5%	20.1%	21.1%	21.6%	21.2%
E4 - lower secondary	7.9%	9.1%	11.1%	13.1%	14.9%	16.5%
E5 - upper secondary	6.4%	8.7%	12.0%	15.6%	19.4%	23.7%
E6 - post-secondary	4.2%	5.6%	7.4%	9.1%	10.9%	12.9%
Mean years of schooling (in years)	3.3	3.9	4.9	5.7	6.6	7.5
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.83	0.83	0.83	0.83	0.82	0.82
E2 - incomplete primary	0.93	0.90	0.88	0.87	0.84	0.82
E3 - primary	1.19	1.15	1.09	1.04	0.99	0.95
E4 - lower secondary	1.31	1.23	1.13	1.05	0.99	0.95
E5 - upper secondary	1.62	1.45	1.32	1.27	1.23	1.19
E6 - post-secondary	2.00	1.57	1.37	1.30	1.27	1.25
Mean years of schooling (male minus female)	0.6	0.5	0.5	0.4	0.4	0.4
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	45.2%	37.0%	25.8%	17.4%	11.1%	6.5%
E2 - incomplete primary	9.1%	9.6%	10.1%	9.2%	7.8%	6.0%
E3 - primary	21.5%	22.0%	23.6%	24.0%	23.0%	20.1%
E4 - lower secondary	10.2%	11.9%	14.6%	17.1%	18.7%	20.0%
E5 - upper secondary	9.4%	13.0%	17.4%	22.3%	27.6%	33.5%
E6 - post-secondary	4.5%	6.6%	8.4%	10.0%	11.7%	14.0%
Mean years of schooling (in years)	3.7	4.7	5.9	6.9	7.8	8.6

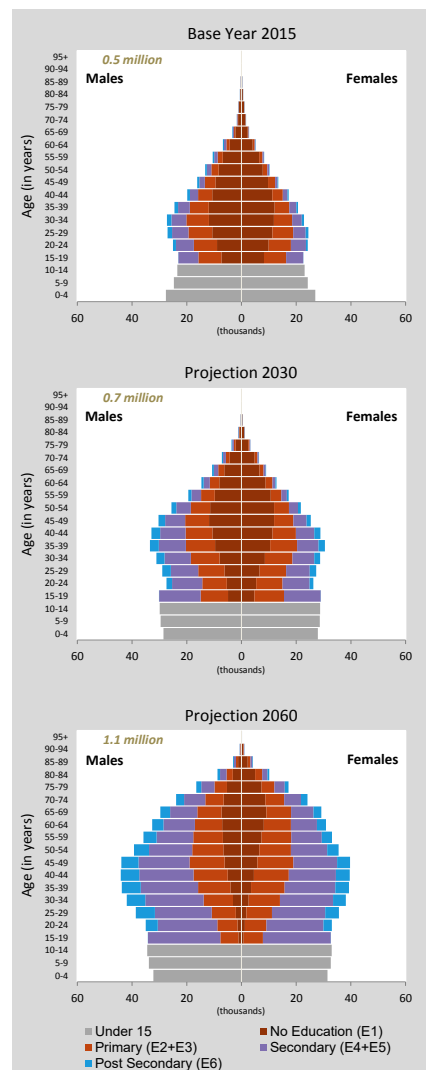
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

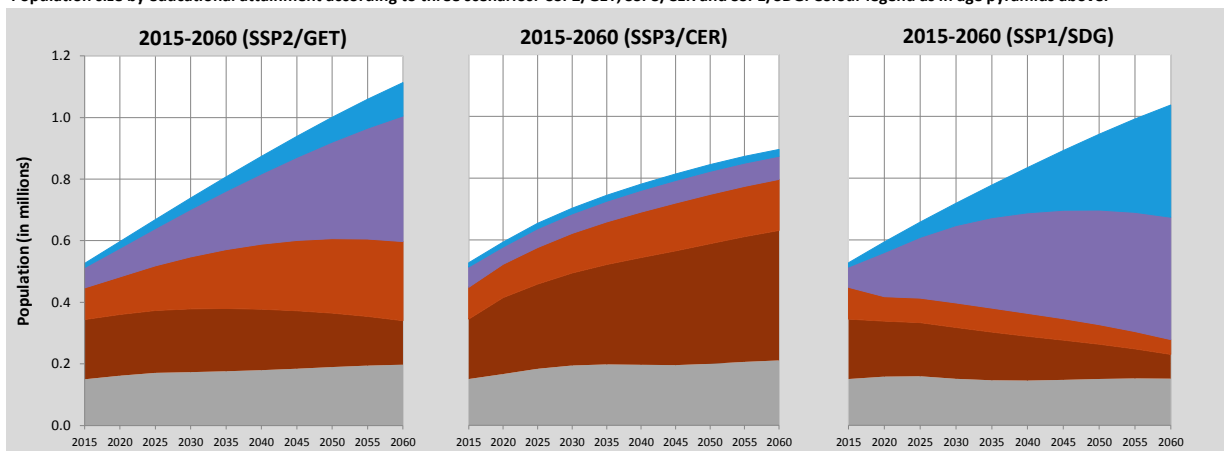
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

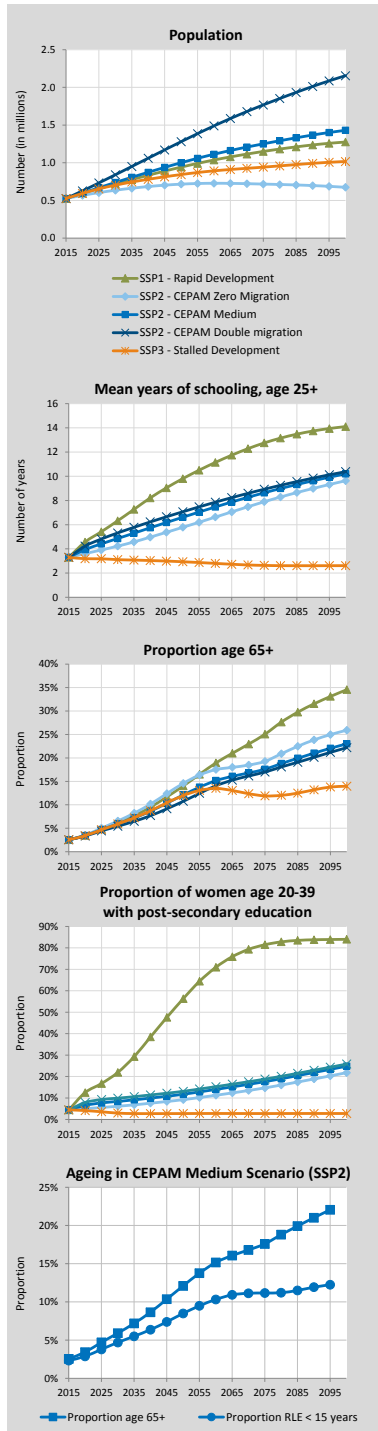
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Western Sahara (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	0.53	0.59	0.72	0.94	1.04	1.15	1.28
SSP2 - CEPAM Zero Migration	0.53	0.57	0.64	0.72	0.73	0.72	0.67
SSP2 - CEPAM Medium	0.53	0.60	0.74	1.00	1.11	1.25	1.43
SSP2 - CEPAM Double Migration	0.53	0.63	0.84	1.28	1.49	1.77	2.16
SSP3 - Stalled Development	0.53	0.59	0.70	0.84	0.89	0.94	1.02
Proportion age 65+							
SSP1 - Rapid Development	2.5%	3.5%	6.2%	14.0%	18.9%	25.1%	34.6%
SSP2 - CEPAM Zero Migration	2.5%	3.5%	6.5%	14.6%	17.5%	19.3%	25.9%
SSP2 - CEPAM Medium	2.5%	3.4%	5.9%	12.1%	15.2%	17.6%	23.0%
SSP2 - CEPAM Double Migration	2.5%	3.3%	5.4%	10.7%	14.1%	17.0%	22.2%
SSP3 - Stalled Development	2.5%	3.4%	5.9%	12.0%	13.5%	11.9%	14.0%
Proportion below age 20							
SSP1 - Rapid Development	37.2%	34.6%	29.2%	21.4%	19.8%	17.2%	14.5%
SSP2 - CEPAM Zero Migration	37.2%	35.7%	32.3%	25.7%	24.4%	22.0%	19.2%
SSP2 - CEPAM Medium	37.2%	35.0%	31.4%	25.3%	23.8%	21.7%	19.2%
SSP2 - CEPAM Double Migration	37.2%	34.4%	30.8%	25.0%	23.5%	21.6%	19.2%
SSP3 - Stalled Development	37.2%	35.9%	35.6%	31.2%	30.9%	29.7%	28.4%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	4.5%	12.6%	21.9%	56.3%	71.0%	81.5%	84.0%
SSP2 - CEPAM Zero Migration	4.5%	5.0%	6.2%	9.2%	11.3%	14.7%	21.8%
SSP2 - CEPAM Medium	4.5%	6.6%	8.4%	11.7%	14.0%	17.6%	24.9%
SSP2 - CEPAM Double Migration	4.5%	7.9%	9.9%	13.1%	15.3%	18.8%	25.8%
SSP3 - Stalled Development	4.5%	4.1%	3.0%	2.7%	2.8%	2.8%	2.8%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	3.3	4.6	6.3	9.8	11.1	12.8	14.1
SSP2 - CEPAM Zero Migration	3.3	3.6	4.2	5.8	6.6	7.9	9.6
SSP2 - CEPAM Medium	3.3	3.9	4.9	6.6	7.5	8.6	10.2
SSP2 - CEPAM Double Migration	3.3	4.2	5.3	7.1	7.9	8.9	10.4
SSP3 - Stalled Development	3.3	3.2	3.1	2.9	2.8	2.6	2.6

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	2.22	1.88	1.58	1.46	1.43	1.38	1.31
SSP2 - CEPAM Zero Migration	2.41	2.24	2.02	1.79	1.72	1.64	1.56
SSP2 - CEPAM Medium	2.40	2.22	2.01	1.79	1.72	1.64	1.56
SSP2 - CEPAM Double Migration	2.38	2.20	2.00	1.79	1.72	1.64	1.56
SSP3 - Stalled Development	2.69	2.77	2.70	2.36	2.26	2.18	2.16
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	72.4	74.5	77.8	83.2	85.8	89.7	94.6
SSP2 - CEPAM Zero Migration	71.8	73.2	75.3	78.7	80.1	82.1	84.6
SSP2 - CEPAM Medium	71.8	73.2	75.5	78.9	80.4	82.3	84.8
SSP2 - CEPAM Double Migration	71.8	73.3	75.6	79.0	80.5	82.5	84.9
SSP3 - Stalled Development	71.3	72.0	73.0	73.7	73.7	73.7	73.5
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	28.2	29.7	31.9	34.5	34.8	34.0	31.3
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	28.2	29.8	32.8	37.2	38.5	39.4	38.9
SSP2 - CEPAM Double Migration	56.3	59.4	64.9	72.9	75.2	76.5	75.2
SSP3 - Stalled Development	18.8	10.0	0.0	0.0	0.0	0.0	0.1

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	26.8	28.8	32.3	37.2	39.2	41.4	44.2
Proportion age 65+	2.5%	3.4%	5.9%	12.1%	15.2%	17.6%	22.1%
Proportion RLE < 15 years	2.0%	2.3%	3.9%	7.6%	9.5%	11.0%	12.2%

Yemen

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	26.92	30.57	38.14	45.68	52.79	58.92
Proportion age 65+	2.9%	3.0%	3.3%	3.8%	5.6%	8.4%
Proportion below age 20	51.8%	49.8%	46.1%	41.6%	37.2%	33.5%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	4.03	3.69	3.17	2.72	2.38	2.24
Life expectancy at birth (in years)						
Male	63.8	64.7	66.6	68.5	70.4	71.3
Female	66.7	67.8	69.8	71.9	73.9	76.0
Five-year net-migration flow (in thousands)	-50.3	-64.3	-94.9	-126.5	-156.7	-170.5

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	85.9%	79.8%	66.0%	57.1%	47.7%	38.4%
E2 - incomplete primary	0.0%	0.2%	0.6%	1.4%	2.0%	2.4%
E3 - primary	0.7%	1.0%	4.9%	5.3%	5.7%	6.1%
E4 - lower secondary	0.0%	0.4%	2.2%	4.4%	7.0%	9.0%
E5 - upper secondary	13.1%	18.0%	25.3%	30.6%	36.2%	42.2%
E6 - post-secondary	0.3%	0.6%	0.8%	1.1%	1.4%	1.9%
Mean years of schooling (in years)	1.7	2.4	3.7	4.7	5.7	6.7
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.79	0.71	0.59	0.48	0.39	0.32
E2 - incomplete primary	1.01	2.46	2.81	1.75	1.56	1.26
E3 - primary	0.33	0.64	1.26	1.21	1.12	1.01
E4 - lower secondary	1.01	14.28	2.08	1.77	1.38	1.17
E5 - upper secondary	9.86	6.63	4.15	3.85	3.23	2.63
E6 - post-secondary	0.54	0.71	0.88	0.88	0.82	0.74
Mean years of schooling (male minus female)	1.2	1.6	2.0	2.3	2.4	2.3
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	74.2%	63.5%	49.8%	41.6%	31.8%	21.4%
E2 - incomplete primary	0.0%	0.2%	1.6%	2.7%	3.1%	3.1%
E3 - primary	0.7%	4.9%	7.4%	6.4%	5.9%	5.8%
E4 - lower secondary	0.0%	1.1%	4.9%	9.3%	11.5%	13.4%
E5 - upper secondary	24.5%	29.5%	35.3%	38.8%	46.0%	53.9%
E6 - post-secondary	0.6%	0.9%	1.0%	1.2%	1.7%	2.4%
Mean years of schooling (in years)	1.0	1.9	2.9	3.6	5.1	6.8

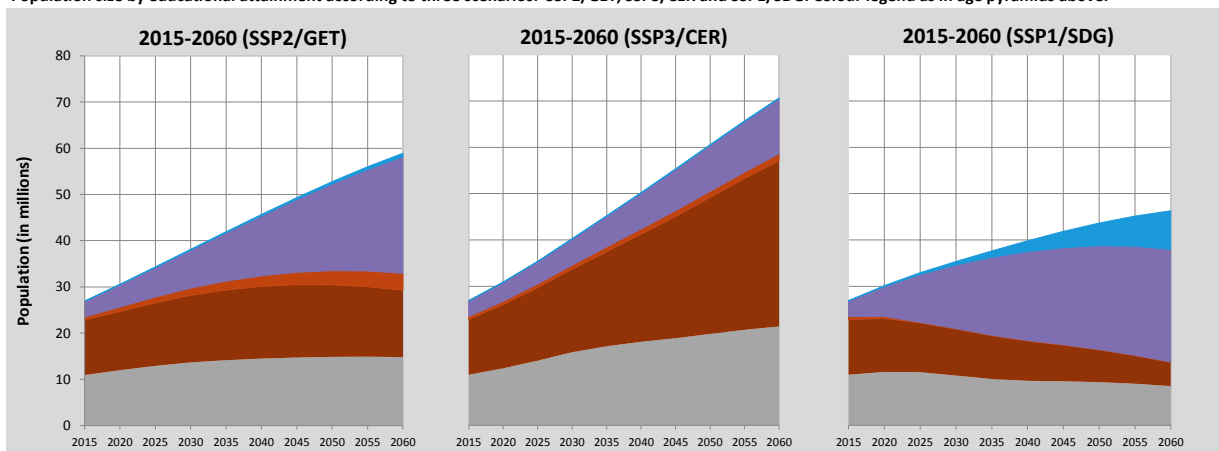
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

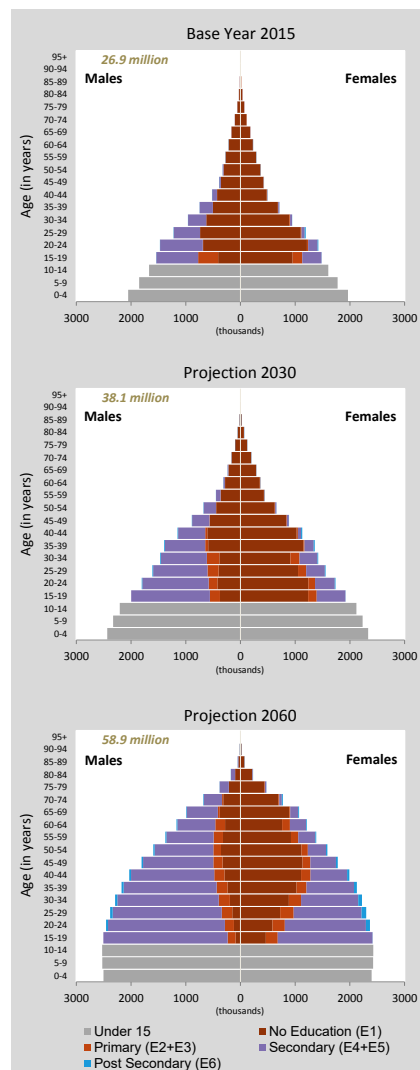
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

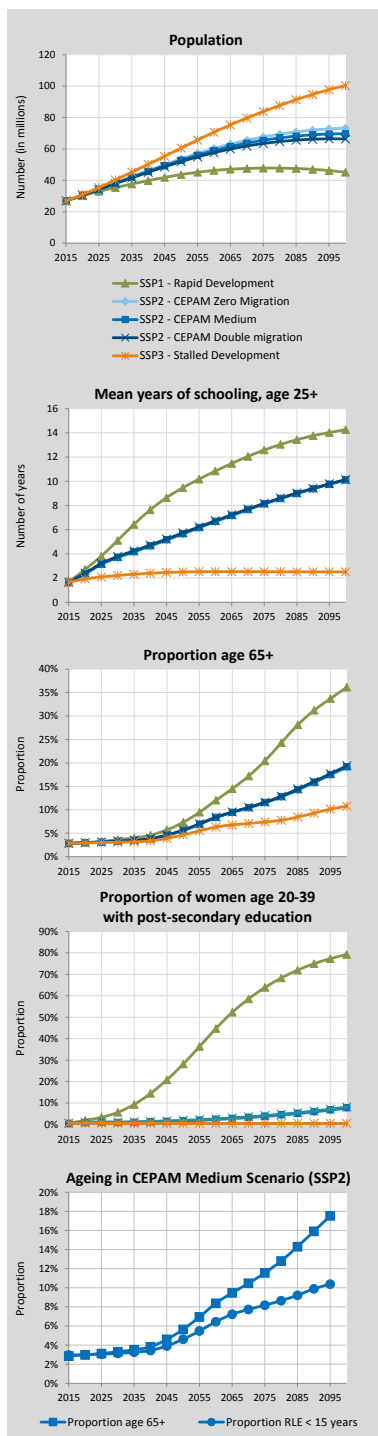
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



Yemen (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)

	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	26.92	30.15	35.36	43.66	46.30	47.79	45.18
SSP2 - CEPAM Zero Migration	26.92	30.63	38.39	53.68	60.26	67.61	73.25
SSP2 - CEPAM Medium	26.92	30.57	38.14	52.79	58.92	65.49	69.71
SSP2 - CEPAM Double Migration	26.92	30.51	37.89	51.91	57.61	63.44	66.36
SSP3 - Stalled Development	26.92	30.91	40.28	60.56	70.64	83.80	100.37
Proportion age 65+							
SSP1 - Rapid Development	2.9%	3.0%	3.6%	7.3%	12.1%	20.5%	36.1%
SSP2 - CEPAM Zero Migration	2.9%	3.0%	3.3%	5.6%	8.3%	11.5%	19.0%
SSP2 - CEPAM Medium	2.9%	3.0%	3.3%	5.6%	8.4%	11.6%	19.2%
SSP2 - CEPAM Double Migration	2.9%	3.0%	3.3%	5.7%	8.4%	11.6%	19.4%
SSP3 - Stalled Development	2.9%	2.9%	3.1%	4.7%	6.3%	7.4%	10.8%
Proportion below age 20							
SSP1 - Rapid Development	51.8%	49.1%	41.5%	28.7%	25.1%	19.7%	13.9%
SSP2 - CEPAM Zero Migration	51.8%	49.8%	46.0%	37.1%	33.4%	28.5%	22.6%
SSP2 - CEPAM Medium	51.8%	49.8%	46.1%	37.2%	33.5%	28.7%	22.6%
SSP2 - CEPAM Double Migration	51.8%	49.8%	46.1%	37.3%	33.6%	28.8%	22.7%
SSP3 - Stalled Development	51.8%	50.4%	48.9%	42.4%	39.4%	35.2%	30.8%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	0.6%	1.9%	5.6%	28.2%	44.7%	63.9%	79.3%
SSP2 - CEPAM Zero Migration	0.6%	0.7%	0.8%	1.5%	2.2%	3.7%	7.5%
SSP2 - CEPAM Medium	0.6%	0.9%	1.0%	1.7%	2.4%	3.9%	7.8%
SSP2 - CEPAM Double Migration	0.6%	1.0%	1.1%	1.9%	2.6%	4.1%	8.1%
SSP3 - Stalled Development	0.6%	0.6%	0.5%	0.5%	0.5%	0.5%	0.5%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	1.7	2.7	5.1	9.5	10.8	12.6	14.3
SSP2 - CEPAM Zero Migration	1.7	2.3	3.7	5.6	6.6	8.1	10.1
SSP2 - CEPAM Medium	1.7	2.4	3.7	5.7	6.7	8.1	10.1
SSP2 - CEPAM Double Migration	1.7	2.4	3.8	5.7	6.7	8.2	10.1
SSP3 - Stalled Development	1.7	1.9	2.2	2.5	2.5	2.5	2.5

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	3.65	2.91	2.10	1.68	1.55	1.39	1.23
SSP2 - CEPAM Zero Migration	4.04	3.69	3.17	2.38	2.13	1.87	1.67
SSP2 - CEPAM Medium	4.03	3.69	3.17	2.38	2.13	1.87	1.67
SSP2 - CEPAM Double Migration	4.03	3.69	3.16	2.38	2.13	1.87	1.67
SSP3 - Stalled Development	4.35	4.29	3.96	3.02	2.69	2.41	2.23
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	67.3	69.0	72.5	78.6	81.7	86.9	93.8
SSP2 - CEPAM Zero Migration	66.7	67.8	69.8	73.9	76.0	79.1	83.2
SSP2 - CEPAM Medium	66.7	67.8	69.8	73.9	76.0	79.1	83.2
SSP2 - CEPAM Double Migration	66.8	67.8	69.8	74.0	76.0	79.1	83.2
SSP3 - Stalled Development	66.2	66.6	67.5	69.1	69.7	70.6	72.0
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-50.2	-62.6	-83.2	-117.4	-129.1	-137.2	-134.2
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-50.3	-64.3	-94.9	-156.7	-183.1	-212.2	-231.9
SSP2 - CEPAM Double Migration	-100.5	-128.5	-188.9	-307.9	-357.0	-408.3	-437.2
SSP3 - Stalled Development	-33.5	-21.8	-0.1	-0.2	-0.2	-0.3	-0.3

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	19.2	20.1	22.1	27.4	30.3	34.4	40.0
Proportion age 65+	2.9%	3.0%	3.3%	5.6%	8.4%	11.6%	17.5%
Proportion RLE < 15 years	2.9%	2.9%	3.2%	4.4%	6.1%	8.0%	10.1%

Zambia

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	16.10	18.72	24.49	30.65	36.79	42.29
Proportion age 65+	2.5%	2.5%	2.7%	3.5%	4.7%	6.1%
Proportion below age 20	56.6%	55.2%	51.5%	47.3%	42.9%	38.5%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	4.92	4.52	3.77	3.17	2.69	2.49
Life expectancy at birth (in years)						
Male	59.6	60.3	61.7	63.1	64.6	65.3
Female	65.0	65.7	66.9	68.2	69.5	70.8
Five-year net-migration flow (in thousands)	-5.6	-12.0	-27.4	-45.0	-63.2	-71.9

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	16.1%	13.7%	9.9%	7.1%	4.9%	3.2%
E2 - incomplete primary	21.7%	19.7%	15.3%	11.6%	8.3%	5.7%
E3 - primary	21.1%	21.5%	21.6%	20.3%	18.1%	15.4%
E4 - lower secondary	17.8%	19.2%	21.6%	22.8%	23.1%	22.5%
E5 - upper secondary	10.3%	12.0%	15.8%	20.4%	25.1%	29.6%
E6 - post-secondary	12.9%	13.9%	15.7%	17.9%	20.5%	23.4%
Mean years of schooling (in years)	7.6	8.0	8.8	9.6	10.3	10.9
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.50	0.55	0.65	0.74	0.83	0.92
E2 - incomplete primary	0.67	0.66	0.68	0.71	0.75	0.78
E3 - primary	1.01	0.98	0.94	0.91	0.91	0.92
E4 - lower secondary	1.33	1.22	1.05	0.97	0.92	0.90
E5 - upper secondary	2.07	1.80	1.45	1.27	1.16	1.09
E6 - post-secondary	1.67	1.53	1.34	1.23	1.17	1.13
Mean years of schooling (male minus female)	1.0	0.9	0.6	0.4	0.3	0.2
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	11.4%	9.1%	5.7%	3.5%	1.9%	1.0%
E2 - incomplete primary	18.7%	15.5%	9.9%	6.2%	3.6%	1.9%
E3 - primary	21.5%	21.5%	20.8%	17.8%	14.1%	10.5%
E4 - lower secondary	21.2%	22.3%	23.9%	24.0%	22.9%	20.5%
E5 - upper secondary	15.7%	18.3%	23.5%	29.5%	35.1%	40.1%
E6 - post-secondary	11.5%	13.3%	16.2%	19.0%	22.4%	26.1%
Mean years of schooling (in years)	7.6	8.3	9.5	10.4	11.2	11.8

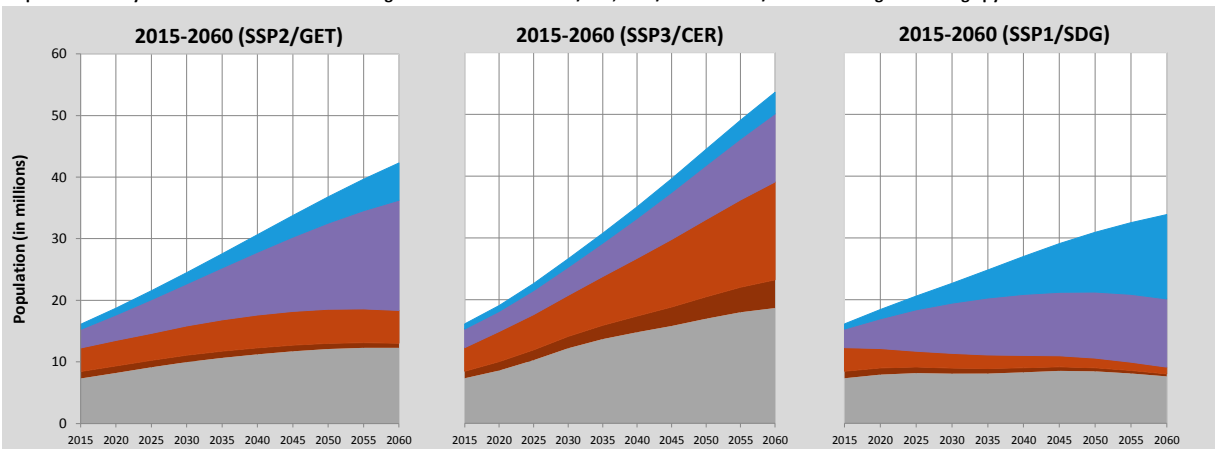
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

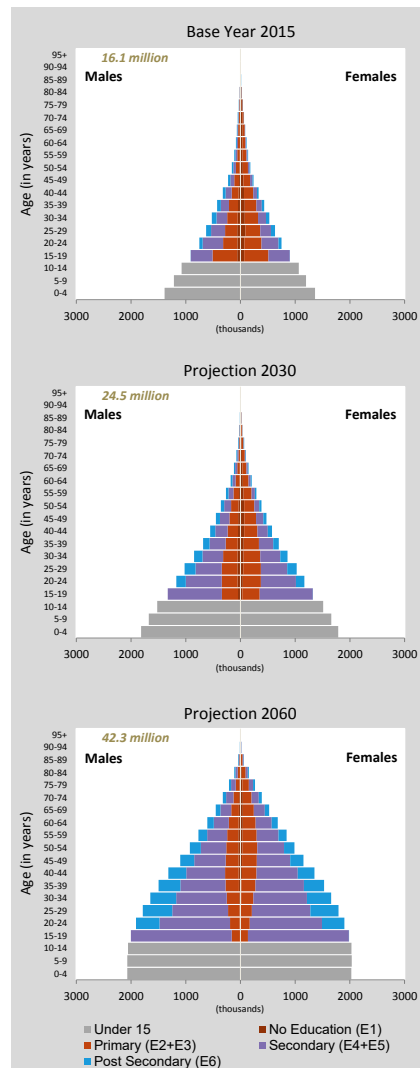
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

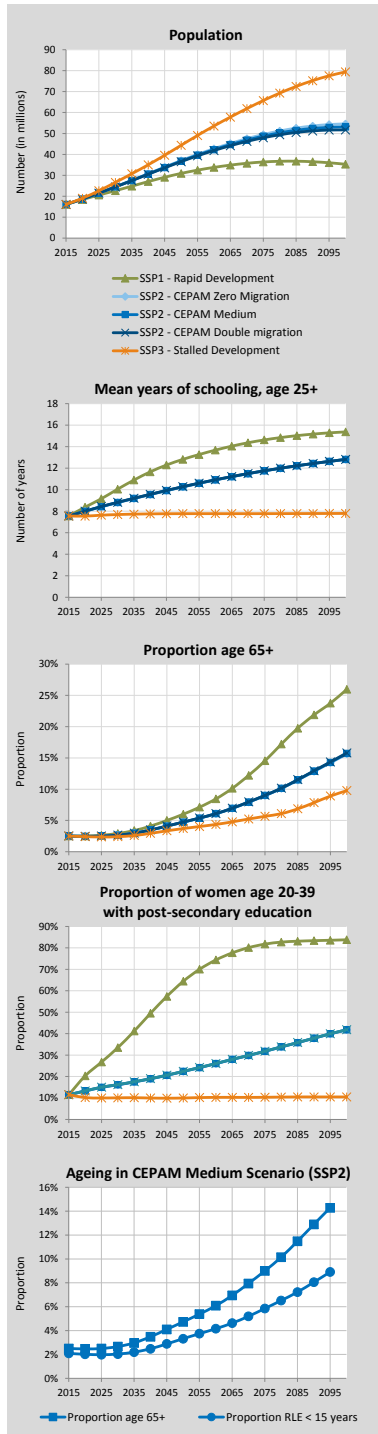
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



Zambia (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	16.10	18.42	22.66	30.92	33.79	36.38	35.30
SSP2 - CEPAM Zero Migration	16.10	18.73	24.53	37.04	42.72	49.50	54.58
SSP2 - CEPAM Medium	16.10	18.72	24.49	36.79	42.29	48.72	53.13
SSP2 - CEPAM Double Migration	16.10	18.71	24.45	36.54	41.86	47.95	51.69
SSP3 - Stalled Development	16.10	19.07	26.62	44.34	53.57	65.72	79.40
Proportion age 65+							
SSP1 - Rapid Development	2.5%	2.5%	2.9%	6.0%	8.5%	14.5%	26.0%
SSP2 - CEPAM Zero Migration	2.5%	2.5%	2.7%	4.7%	6.1%	9.0%	15.6%
SSP2 - CEPAM Medium	2.5%	2.5%	2.7%	4.7%	6.1%	9.0%	15.7%
SSP2 - CEPAM Double Migration	2.5%	2.5%	2.7%	4.7%	6.1%	9.0%	15.8%
SSP3 - Stalled Development	2.5%	2.4%	2.4%	3.7%	4.4%	5.7%	9.8%
Proportion below age 20							
SSP1 - Rapid Development	56.6%	54.4%	47.3%	36.1%	30.9%	24.3%	17.0%
SSP2 - CEPAM Zero Migration	56.6%	55.1%	51.5%	42.8%	38.4%	32.2%	24.9%
SSP2 - CEPAM Medium	56.6%	55.2%	51.5%	42.9%	38.5%	32.3%	24.9%
SSP2 - CEPAM Double Migration	56.6%	55.2%	51.6%	43.0%	38.6%	32.3%	25.0%
SSP3 - Stalled Development	56.6%	56.0%	55.6%	49.0%	45.1%	38.8%	32.2%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	11.5%	20.3%	33.5%	64.4%	74.4%	81.8%	83.8%
SSP2 - CEPAM Zero Migration	11.5%	13.2%	16.1%	22.3%	26.0%	31.7%	41.8%
SSP2 - CEPAM Medium	11.5%	13.3%	16.2%	22.4%	26.1%	31.8%	41.8%
SSP2 - CEPAM Double Migration	11.5%	13.3%	16.3%	22.4%	26.1%	31.8%	41.9%
SSP3 - Stalled Development	11.5%	10.2%	10.1%	10.0%	10.3%	10.3%	10.5%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	7.6	8.4	10.0	12.8	13.7	14.6	15.4
SSP2 - CEPAM Zero Migration	7.6	8.0	8.8	10.3	10.9	11.7	12.8
SSP2 - CEPAM Medium	7.6	8.0	8.8	10.3	10.9	11.8	12.8
SSP2 - CEPAM Double Migration	7.6	8.0	8.8	10.3	10.9	11.8	12.8
SSP3 - Stalled Development	7.6	7.5	7.7	7.8	7.8	7.8	7.8

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	4.44	3.64	2.78	2.02	1.75	1.48	1.28
SSP2 - CEPAM Zero Migration	4.92	4.53	3.77	2.69	2.32	1.97	1.71
SSP2 - CEPAM Medium	4.92	4.52	3.77	2.69	2.32	1.97	1.71
SSP2 - CEPAM Double Migration	4.92	4.52	3.77	2.69	2.32	1.97	1.71
SSP3 - Stalled Development	5.46	5.54	4.96	3.41	2.92	2.52	2.26
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	65.7	67.1	69.9	74.6	76.7	80.1	84.5
SSP2 - CEPAM Zero Migration	65.0	65.7	66.9	69.5	70.8	72.7	75.2
SSP2 - CEPAM Medium	65.0	65.7	66.9	69.5	70.8	72.7	75.2
SSP2 - CEPAM Double Migration	65.0	65.7	67.0	69.5	70.8	72.7	75.2
SSP3 - Stalled Development	64.5	64.3	64.0	63.5	63.2	62.9	62.8
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-5.6	-11.2	-22.6	-47.2	-56.7	-66.4	-68.2
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-5.6	-12.0	-27.4	-63.2	-80.0	-100.4	-114.2
SSP2 - CEPAM Double Migration	-11.1	-24.3	-55.5	-126.7	-159.7	-198.5	-222.7
SSP3 - Stalled Development	-3.7	-4.3	0.0	-0.1	-0.1	-0.1	-0.1

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	17.1	17.7	19.3	23.8	26.5	30.9	36.8
Proportion age 65+	2.5%	2.5%	2.7%	4.7%	6.1%	9.0%	14.3%
Proportion RLE < 15 years	2.2%	2.1%	2.2%	3.3%	4.2%	5.9%	9.0%

Zimbabwe

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	15.78	17.58	20.58	23.18	25.16	26.27
Proportion age 65+	2.8%	2.9%	3.3%	4.4%	7.0%	9.9%
Proportion below age 20	52.2%	50.7%	45.3%	38.1%	33.6%	29.4%
2015-2020 2020-2025 2030-2035 2040-2045 2050-2055 2055-2060						
Total Fertility Rate	3.50	2.97	2.42	2.04	1.82	1.77
Life expectancy at birth (in years)						
Male	59.9	60.8	62.6	64.4	66.2	67.1
Female	63.8	64.7	66.5	68.3	70.1	71.9
Five-year net-migration flow (in thousands)	-120.3	-137.2	-164.5	-187.9	-204.5	-209.3

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	7.1%	5.6%	3.5%	2.1%	1.3%	0.8%
E2 - incomplete primary	8.8%	6.8%	3.9%	2.2%	1.3%	0.8%
E3 - primary	14.4%	13.3%	10.9%	8.4%	6.4%	4.7%
E4 - lower secondary	11.2%	10.7%	9.8%	8.4%	7.1%	5.9%
E5 - upper secondary	47.9%	51.9%	58.5%	63.6%	66.5%	68.1%
E6 - post-secondary	10.6%	11.7%	13.4%	15.3%	17.4%	19.7%
Mean years of schooling (in years)	10.7	11.2	11.9	12.5	12.9	13.3
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.87	0.89	0.93	0.99	1.04	1.08
E2 - incomplete primary	0.65	0.63	0.61	0.65	0.73	0.82
E3 - primary	0.81	0.79	0.78	0.78	0.80	0.82
E4 - lower secondary	0.76	0.73	0.70	0.70	0.70	0.71
E5 - upper secondary	1.17	1.15	1.10	1.05	1.03	1.01
E6 - post-secondary	1.32	1.28	1.22	1.19	1.16	1.12
Mean years of schooling (male minus female)	0.4	0.4	0.3	0.2	0.1	0.1
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	4.7%	3.3%	1.3%	0.6%	0.3%	0.1%
E2 - incomplete primary	4.7%	3.2%	1.0%	0.5%	0.2%	0.1%
E3 - primary	13.8%	11.3%	7.3%	4.6%	2.8%	1.5%
E4 - lower secondary	14.6%	11.6%	7.8%	6.0%	4.5%	3.1%
E5 - upper secondary	53.4%	59.6%	68.5%	71.7%	72.5%	72.0%
E6 - post-secondary	8.9%	11.0%	14.1%	16.7%	19.6%	23.1%
Mean years of schooling (in years)	11.1	11.7	12.7	13.2	13.5	13.8

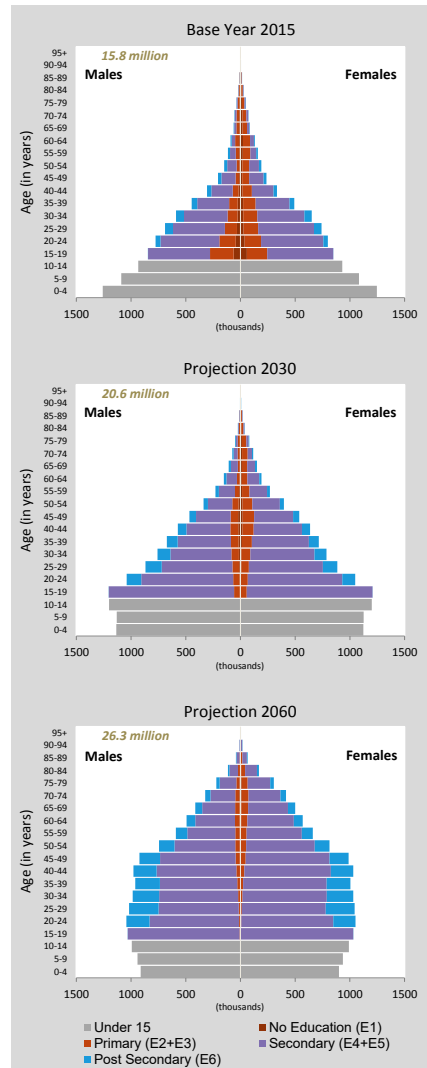
Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

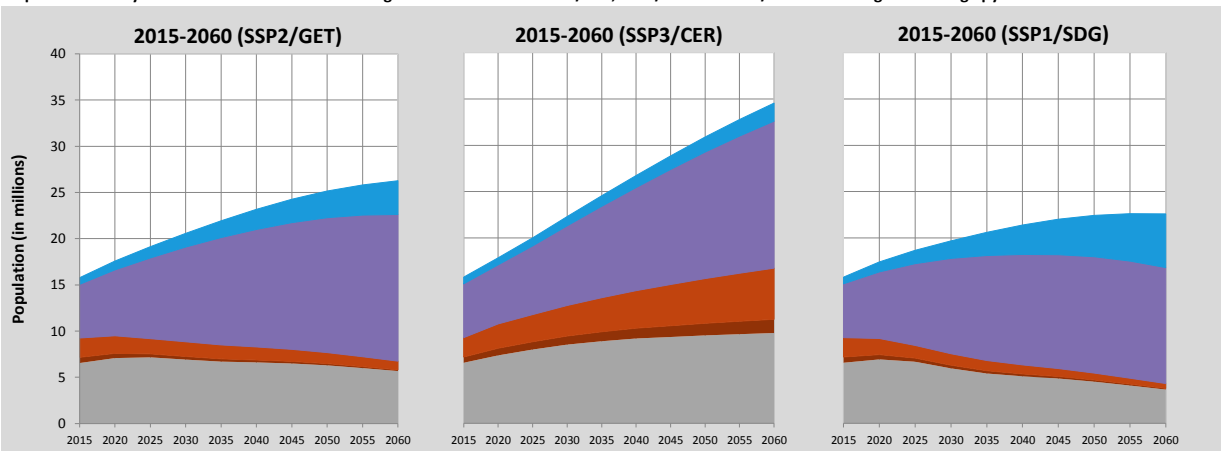
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

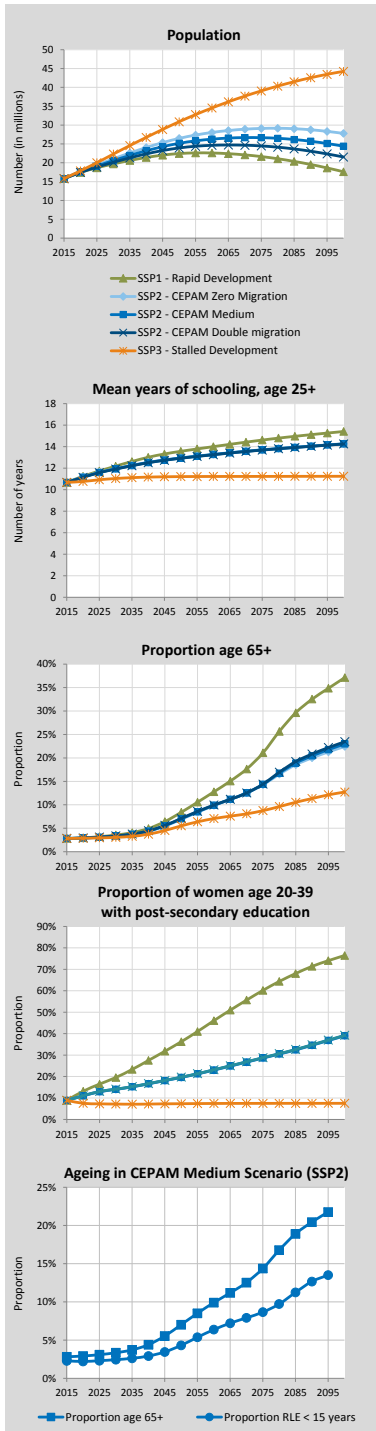
Pyramids by education, CEPAM Medium Scenario



Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Zimbabwe (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)

	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	15.78	17.42	19.69	22.44	22.60	21.65	17.62
SSP2 - CEPAM Zero Migration	15.78	17.71	21.04	26.46	28.04	29.12	27.79
SSP2 - CEPAM Medium	15.78	17.58	20.58	25.16	26.27	26.66	24.40
SSP2 - CEPAM Double Migration	15.78	17.45	20.12	23.93	24.63	24.47	21.54
SSP3 - Stalled Development	15.78	17.87	22.31	30.89	34.55	39.07	44.26
Proportion age 65+							
SSP1 - Rapid Development	2.8%	3.0%	3.6%	8.4%	12.8%	21.1%	37.1%
SSP2 - CEPAM Zero Migration	2.8%	2.9%	3.3%	6.9%	9.8%	14.3%	22.4%
SSP2 - CEPAM Medium	2.8%	2.9%	3.3%	7.0%	9.9%	14.4%	23.0%
SSP2 - CEPAM Double Migration	2.8%	2.9%	3.4%	7.1%	9.9%	14.4%	23.5%
SSP3 - Stalled Development	2.8%	2.9%	3.1%	5.5%	7.1%	8.8%	12.7%
Proportion below age 20							
SSP1 - Rapid Development	52.2%	50.2%	42.4%	27.5%	22.7%	17.5%	12.7%
SSP2 - CEPAM Zero Migration	52.2%	50.5%	44.9%	33.1%	29.0%	24.8%	20.8%
SSP2 - CEPAM Medium	52.2%	50.7%	45.3%	33.6%	29.4%	25.2%	21.0%
SSP2 - CEPAM Double Migration	52.2%	50.9%	45.7%	34.1%	29.9%	25.5%	21.1%
SSP3 - Stalled Development	52.2%	51.4%	48.9%	40.4%	37.2%	34.1%	31.0%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	8.9%	13.2%	19.6%	36.2%	46.1%	60.2%	76.5%
SSP2 - CEPAM Zero Migration	8.9%	11.0%	14.0%	19.6%	23.0%	28.6%	39.0%
SSP2 - CEPAM Medium	8.9%	11.0%	14.1%	19.6%	23.1%	28.7%	39.1%
SSP2 - CEPAM Double Migration	8.9%	11.1%	14.1%	19.7%	23.2%	28.8%	39.2%
SSP3 - Stalled Development	8.9%	7.5%	7.2%	7.3%	7.4%	7.5%	7.5%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	10.7	11.2	12.2	13.6	14.0	14.6	15.4
SSP2 - CEPAM Zero Migration	10.7	11.2	12.0	13.0	13.3	13.7	14.3
SSP2 - CEPAM Medium	10.7	11.2	11.9	12.9	13.3	13.7	14.3
SSP2 - CEPAM Double Migration	10.7	11.2	11.9	12.9	13.2	13.7	14.2
SSP3 - Stalled Development	10.7	10.8	11.0	11.2	11.2	11.2	11.2

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	3.25	2.53	1.86	1.34	1.27	1.22	1.14
SSP2 - CEPAM Zero Migration	3.50	2.97	2.42	1.82	1.73	1.66	1.57
SSP2 - CEPAM Medium	3.50	2.97	2.42	1.82	1.73	1.66	1.57
SSP2 - CEPAM Double Migration	3.50	2.97	2.42	1.82	1.73	1.66	1.57
SSP3 - Stalled Development	3.86	3.65	3.23	2.51	2.40	2.32	2.22
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	64.3	65.7	68.6	74.3	77.1	81.3	86.9
SSP2 - CEPAM Zero Migration	63.8	64.7	66.5	70.1	71.9	74.6	78.2
SSP2 - CEPAM Medium	63.8	64.7	66.5	70.1	71.9	74.6	78.2
SSP2 - CEPAM Double Migration	63.8	64.7	66.5	70.1	71.9	74.6	78.2
SSP3 - Stalled Development	63.2	63.3	63.6	64.8	65.4	66.5	68.0
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-120.4	-135.8	-156.7	-180.4	-179.7	-167.9	-135.8
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-120.3	-137.2	-164.5	-204.5	-212.1	-212.0	-191.9
SSP2 - CEPAM Double Migration	-240.7	-271.6	-319.5	-383.2	-389.8	-378.0	-326.2
SSP3 - Stalled Development	-80.2	-46.6	-0.2	-0.2	-0.3	-0.3	-0.3

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	19.0	19.6	22.3	29.7	33.1	37.7	42.9
Proportion age 65+	2.8%	2.9%	3.3%	7.0%	9.9%	14.4%	21.8%
Proportion RLE < 15 years	2.4%	2.4%	2.7%	4.4%	6.6%	8.8%	13.8%

LIST OF ACRONYMS

ASEAN	Association of Southeast Asian Nations
CEPAM	Centre of Expertise on Population and Migration
CER	Constant Enrollment Rates (scenario)
DHS	Demographic and Health Survey
EU-28	European Union
EU LFS	European Union Labour Force Survey
GET	Global Education Trend (scenario)
IIASA	International Institute for Applied Systems Analysis
ISCED	International Standard Classification of Education
JRC	Joint Research Centres
LAC	Latin America and Caribbean Countries
MDG	millennium development goals
MENA	Middle East and North Africa
MICS	Multiple Indicator Cluster Survey
MYS	mean years of schooling
NMS13	13 new Member State countries
OADR	old-age dependency ratio
SDG	Sustainable Development Goal
SSP	Shared Socioeconomic Pathways
TFR	total fertility rate
UN	United Nations
WIC	Wittgenstein Centre for Demography and Global Human Capital (IIASA, VID/ÖAW, WU)

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Approach, methods and assumptions

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Chapter 3

Future population and human capital in the European Union

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Chapter 4

Education-specific labour force projections for EU-28 countries

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Chapter 5

Future demographic trends in Eastern Europe and Central Asia

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Chapter 6

Population trends and challenges in the Middle East and North Africa

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Chapter 7

Future demographic trends in sub-Saharan Africa

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Chapter 8

Future demographic trends in Asia

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Chapter 9

Future demographic trends in Latin America and the Caribbean countries

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Future demographic trends in North America and Oceania

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Chapter 11

Alternative scenarios for future world population growth

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Chapter 12

Summary and conclusions

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Appendix 1: Tables with detailed results of projections for each of the EU-28 countries

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Appendix 2: Tables with chosen results of projections for all of the other countries in the world

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