

My grandfather

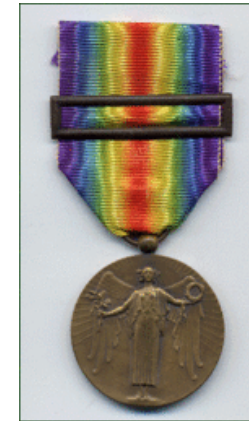
- **Joaquim José Gouveia**
Lieutenant, Portuguese Army
- Belongs to the Infantry Regiment 10 (Bragança), as Alferes
 - IR10 was an integral unit of the Portuguese expeditionary body
 - Mobilised to Flandres at first days of april, 1917 and departs from Lisbon on 22 april, 1917 (by boat)
 - A corp of 30 officials, 61 sargents and 1138 soldiers



Honours

- **Victory Medal**, 15 July, 1919
 - Given to all portuguese militar from the CEP
- Portuguese **Army Campaigns** medal
- Portuguese **Exemplary Behavior**
 - gold standard
 - silver standard
- Portuguese **Military Order of Avis**, Knight rank
- Portuguese **Order of Merit**, Official rank

More info: <http://www.ordens.presidencia.pt/>



Geography and its digital dimensions: a cities related discussion to join European inheritance

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International Congress on the First World
War Centenary of the Battle of La Lys

11 April, 2018

CONGRESSO INTERNACIONAL
DA PRIMEIRA GUERRA MUNDIAL

Centenário da Batalha de La Lys

Faculdade de Ciências Humanas e Sociais
Universidade Fernando Pessoa | Porto | Portugal

9 a 11 de abril de 2018



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Geography and its digital dimensions:

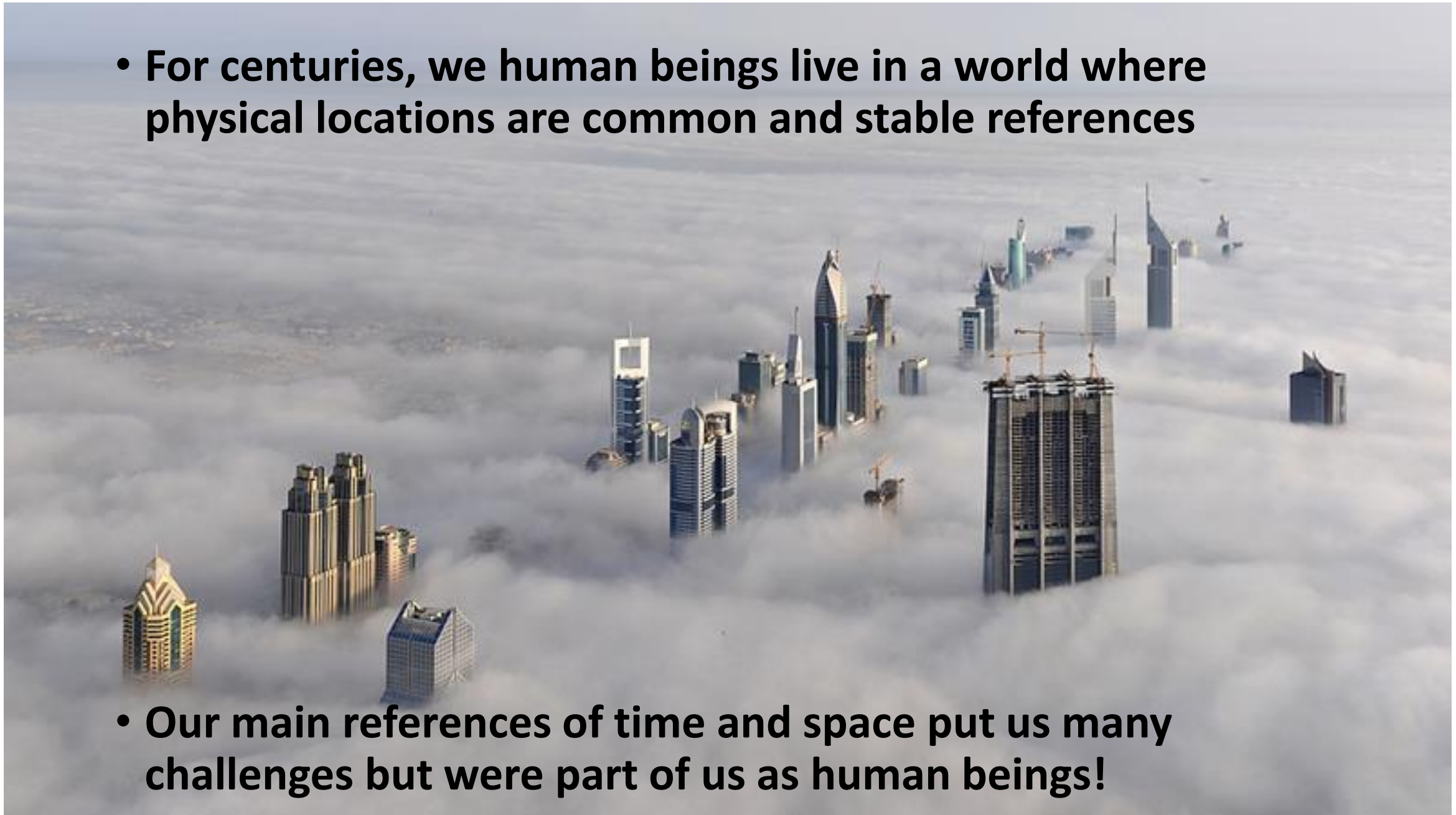
a cities related discussion to join European inheritance

We live in a **digital world** where both people and economy need to learn new rules to adapt to a fast moving environment. However, geography and traditional **physical world** issues still play a central role.

The presentation proposes the discussion of *how the digital can change our relation with places, and how geography still needs to be considered as a key factor to any strategy*. The implications and transformations for **cities** and how they can become central to human organization is proposed to support the discussion to follow the author's position.

Alternative words to stress the importance of remember the past to built a better future

- **For centuries, we human beings live in a world where physical locations are common and stable references**



- **Our main references of time and space put us many challenges but were part of us as human beings!**

- **Same time & same space: We!**
- Same time & different space: There!
- Different time & different space: Them!
- **Different time & same space: Place!**



- **Place** is a very important notion for us
 - It is where human activity takes place... (*or is located...*)
 - It is central for live, learning, work and fun... (*be there!*)



YES, BUT...

- With computers and networks come the digital and things change
 - Tech is not neutral and need some regulation / high order perspective
- Time and space are not the same...
 - Huge impact on how we (can) live!

- Digital T&S: more independent

You can twist time or space even without any relation between them (try some form of video recording or co-location devices to turn it possible)

Allow for diversity ecosystems (requires knowledge to control and create them)



- Digital T&S; Elastic

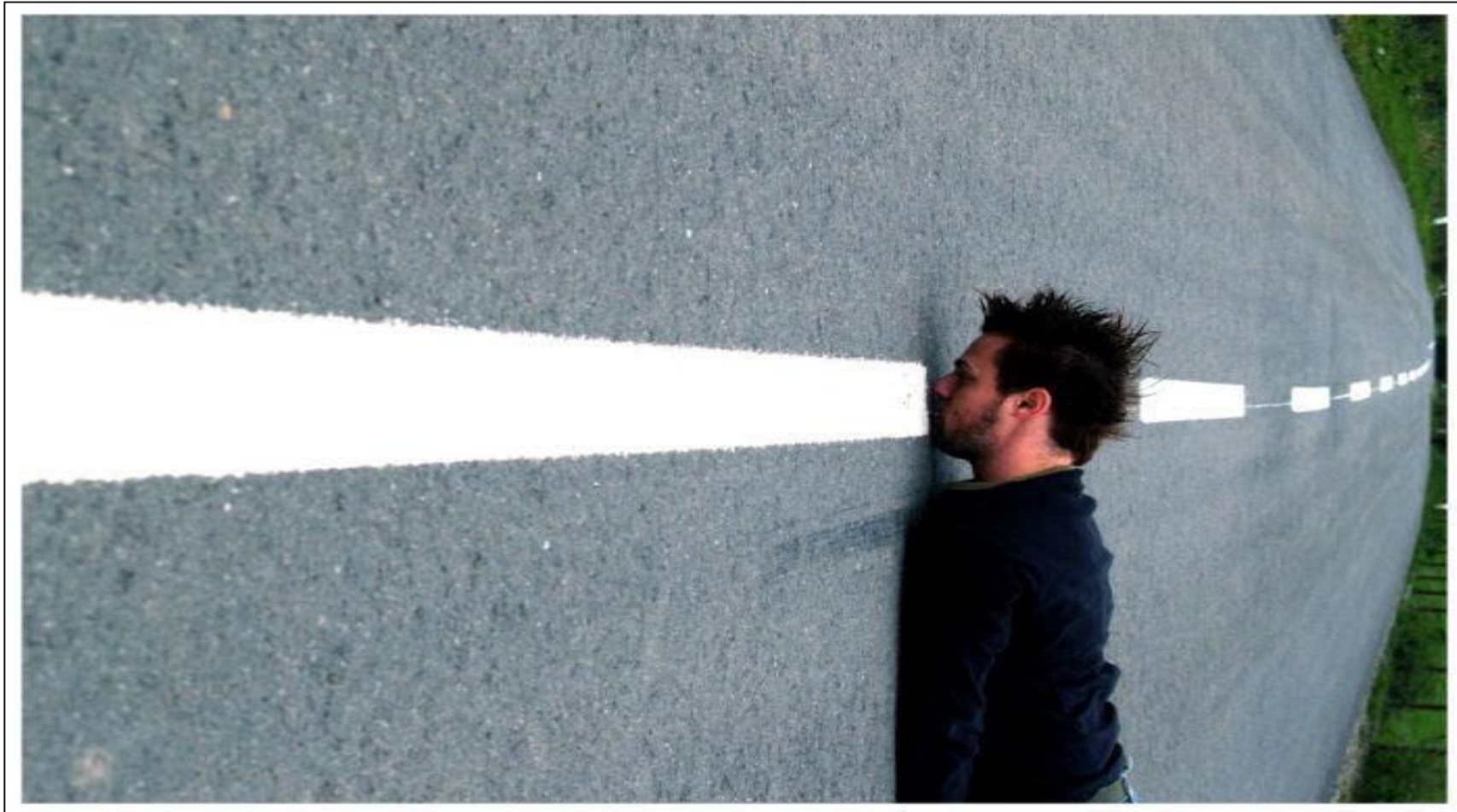
What you can do is a lot more and provides some control behavior of how time and space work

(for instance, we can get more time using a globalization approach to business or providing digital multimedia to transform a place)



- **Digital T&S: But... be aware!**

- Time: more time to do, less time to react
- Space: almost impossible to control, easy to reach



- **Digital T&S: No more just four alternatives!**
 - Different times & spaces possible
 - We can have digital overlays and can be present in different ways
 - Although we still are physical beings (and must pay the price!)



- As a result:
 - Place gets larger and the world suddenly becomes our place

- We no longer have borders at human scale!



- Reinvent time & space
 - We can be in more spaces at more times
 - We can not be where we are or be at another time



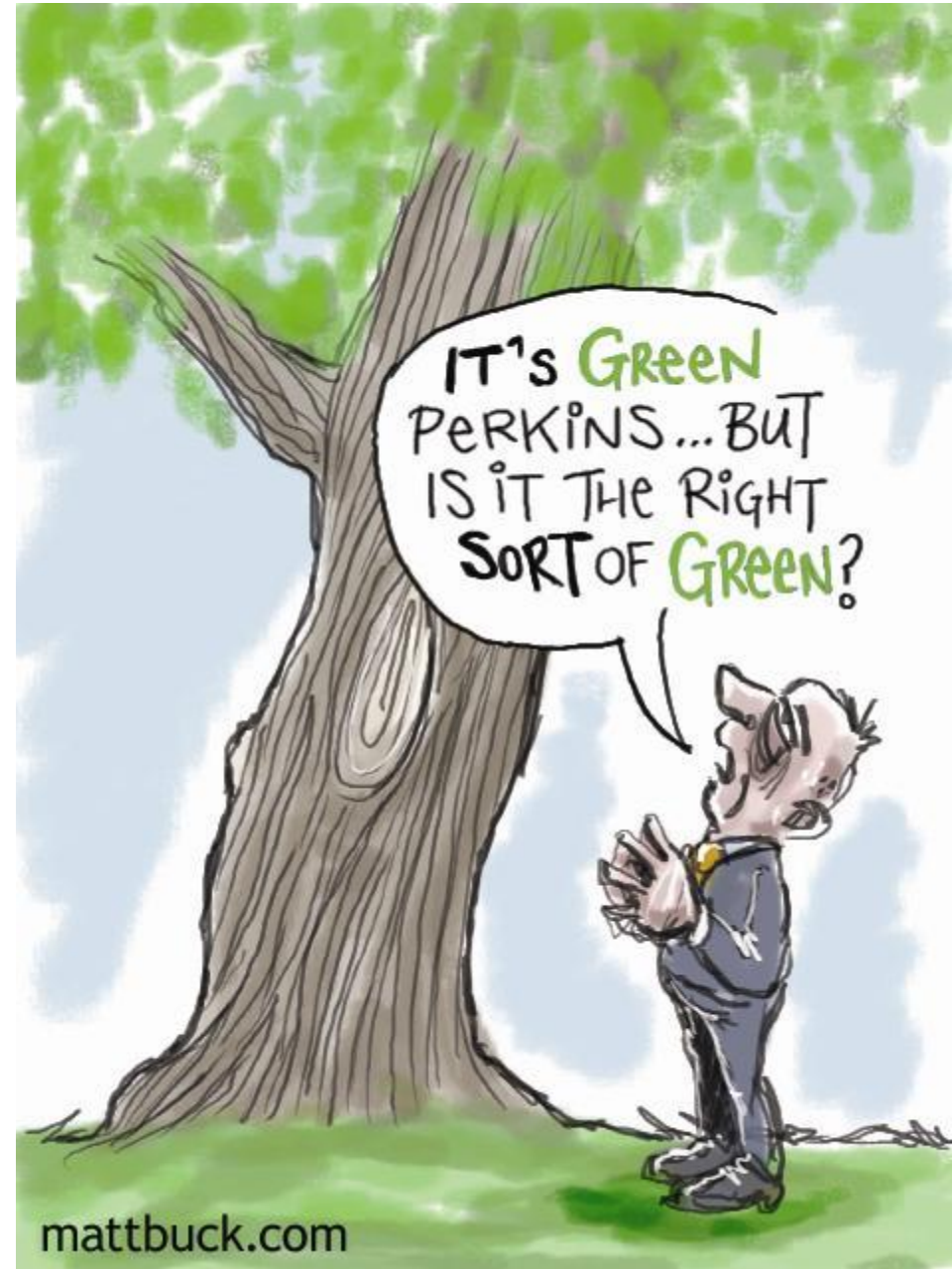
- SO... the world is different
- *...and there will NOT be anymore the same again – shame on physical place...*



DIGITAL PARADOX

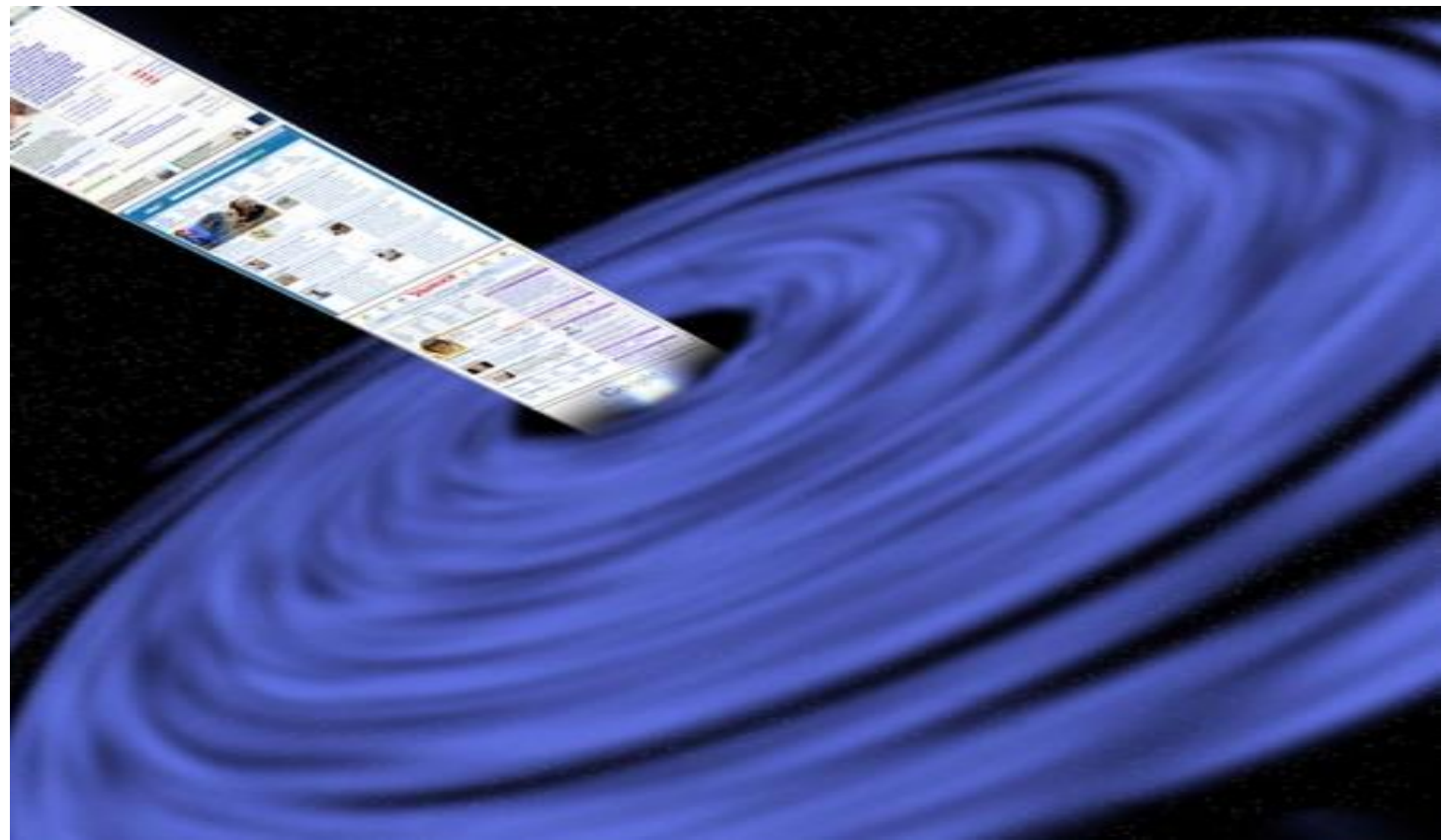
That...

- Even with the increased widespread of the digital
- The importance of physical place still is central for human activity



YES

places have now more components and
the digital is part of any place



BUT

Well, I love a lot computers but love more life
& people



- **We, as human beings need to get our own physical places and those who learn how to attract other to their physical place will be the **role players****



SO...

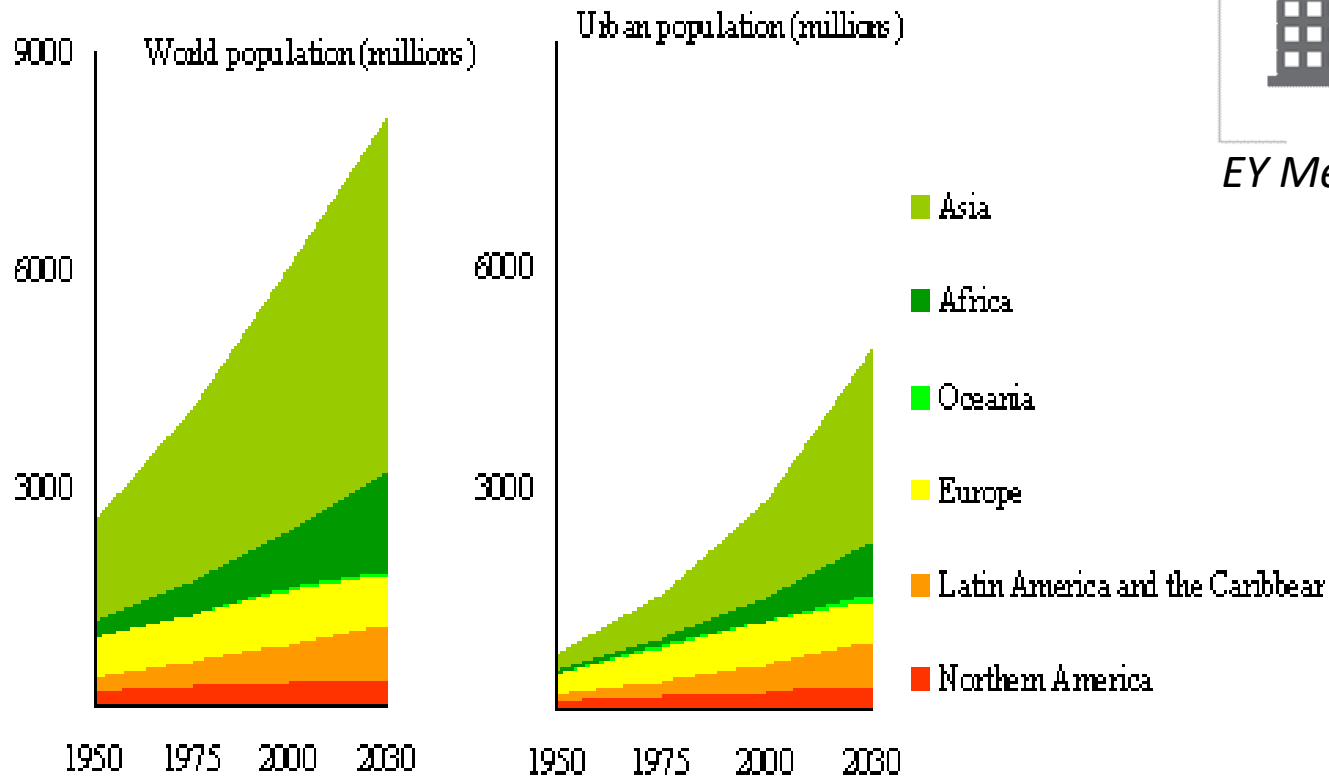
- **(this) Digital paradox forces a new approach to territory centrality**
- **It turns the territory has a key factor for the success of a given human activity**

(a million dollars question!)

How can we turn our territory one that is central for human activity?



Why cities?



The Challenge Network forum

The global population is shifting to cities¹



EY Megatrends

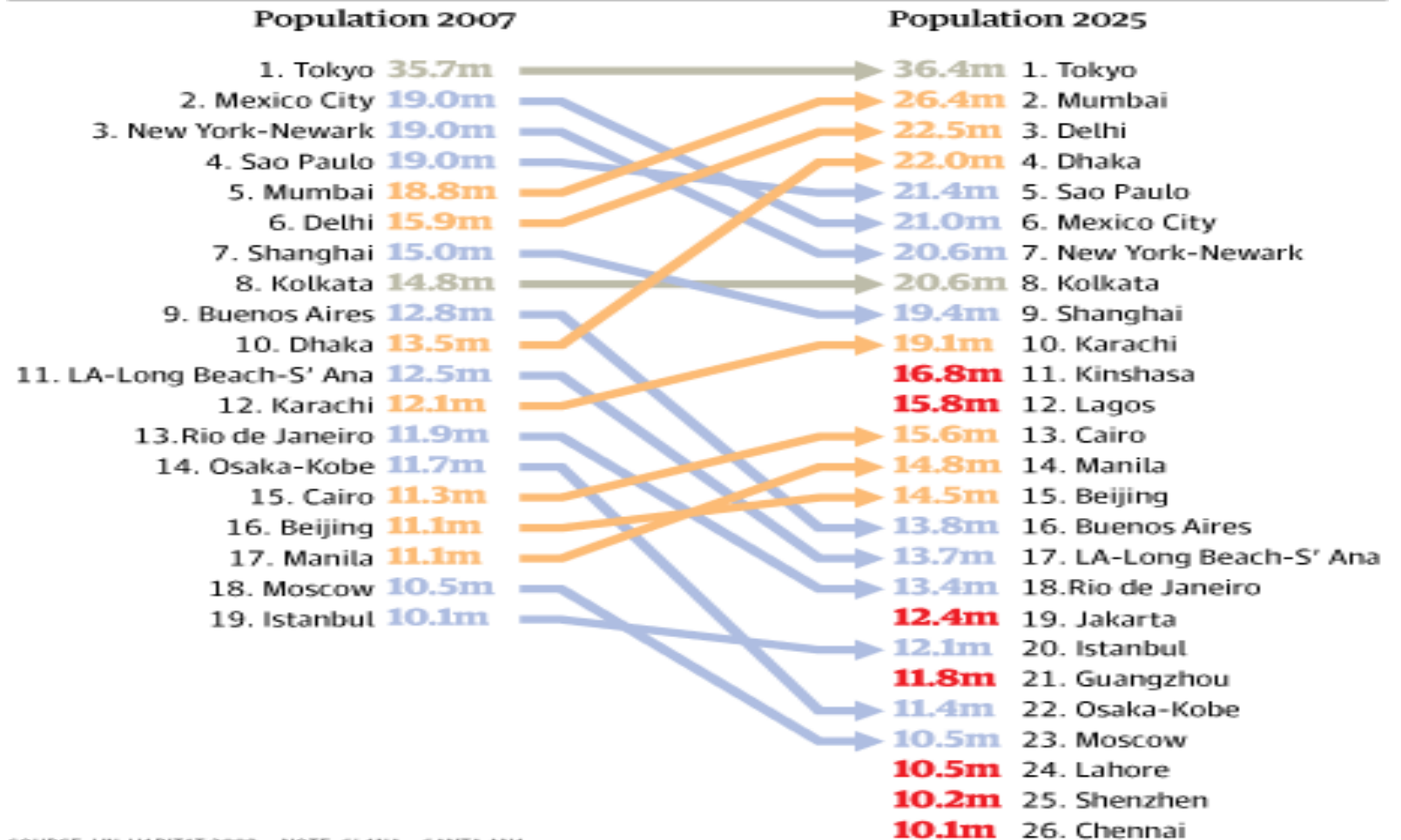
World's population



Thomson Reuters Reports

Wealth gap [is] creating a social time bomb (Guardian post title...)

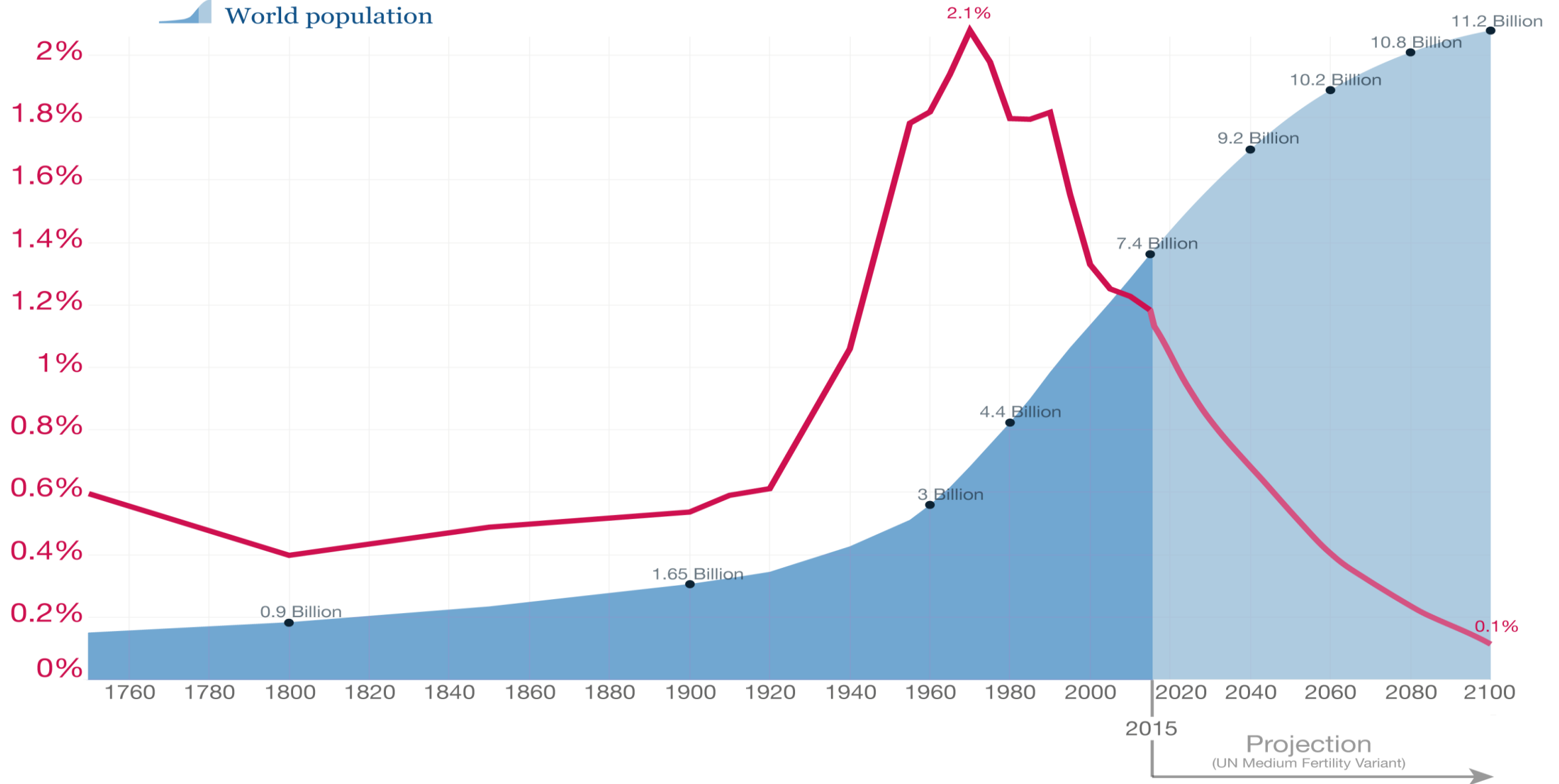
The world's megacities



SOURCE: UN-HABITAT 2008 NOTE: S' ANA = SANTA ANA

World population growth, 1750-2100

 Annual growth rate of the world population
 World population



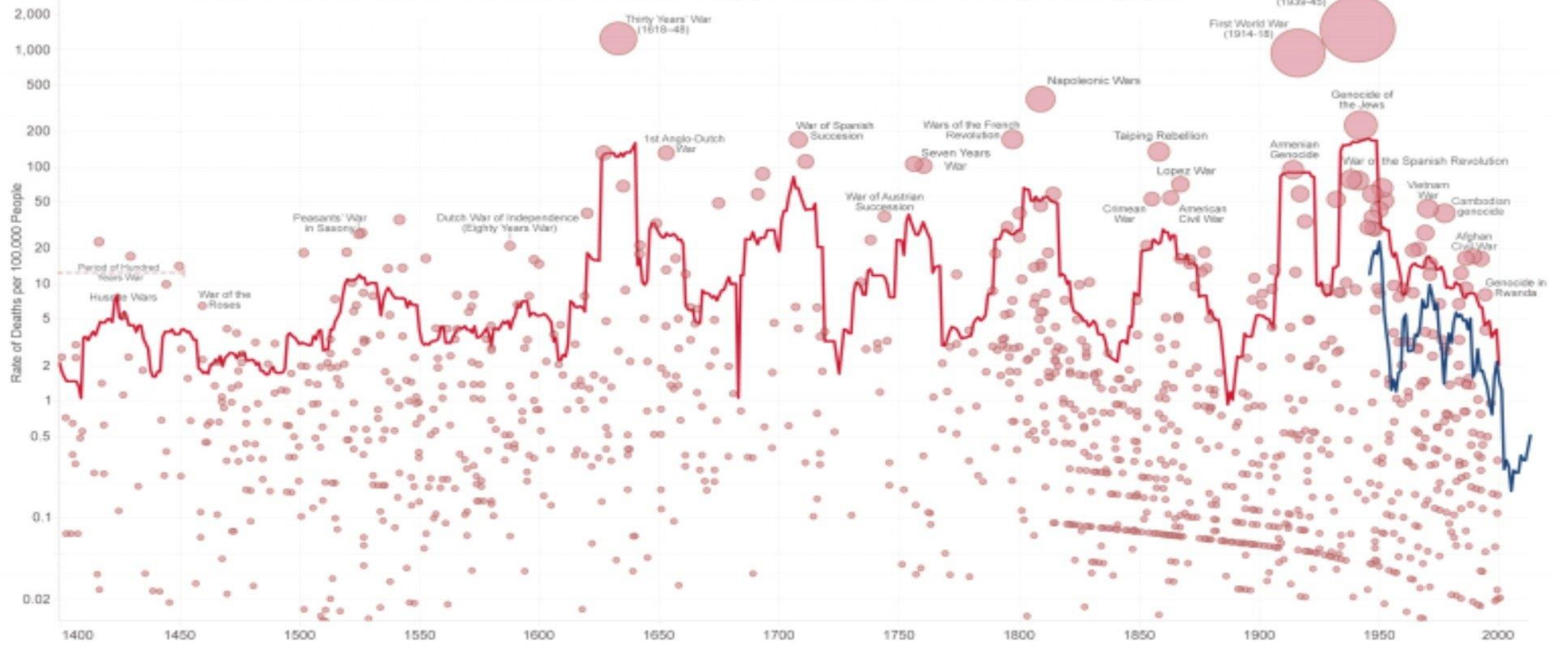
Data sources: Up to 2015 OurWorldInData series based on UN and HYDE. Projections for 2015 to 2100: UN Population Division (2015) – Medium Variant. The data visualization is taken from [OurWorldInData.org](https://ourworldindata.org). There you find the raw data and more visualizations on this topic.

Licensed under [CC-BY-SA](https://creativecommons.org/licenses/by-sa/4.0/) by the author Max Roser.

Global deaths in conflicts since the year 1400

- Each circle represents one conflict. [Data from the *Conflict Catalog* (1400-2000)]
The **size** represents the absolute number of fatalities (military + civilian fatalities)
The **position** on the y-axis represents the fatality rate* (military + civilian fatalities)
- 📈 **Military + civilian death rate* for 1400-2000** [Data from *Conflict Catalog*] – 15 year moving-average
- 📈 **Military death rate* for 1946-2013** [Data from the PRIO Institute]

* All death rates are calculated as the share of fatalities relative to the world population at the time (rate of deaths per 100,000 people).



Knowledge is key

- That is saying that **people is central** (as its empowerment)
- The idea of **a new geography** where the digital potentiates the physical and turns place in a viable (human) ecosystem
 - *Requires lessons learn*

Where is the life we have lost in living?

Where is the wisdom we have lost in knowledge?

Where is the Knowledge we have lost in information?

T.S. Eliot (The Rock, 1934)



100 years ago and the La Lys event

- Did we prepare?
 - Did we know the landscape?
 - Did we have logistics?
 - Did we have the knowledge?
 - Did we know our power relationships?
 - Did we share values?
 - Did we build up a common governance system?
-
- One century has gone and similar challenges are in place again...
(more or new complex intra state / city conflicts)



- Preserve and foster **Knowledge** (care about **people**)
- Share information for **cooperation**
- Protect **data**
- Regulate **digital platforms**
- Care about territories (**sustainability**)

We are on a ciber warfare timeframe

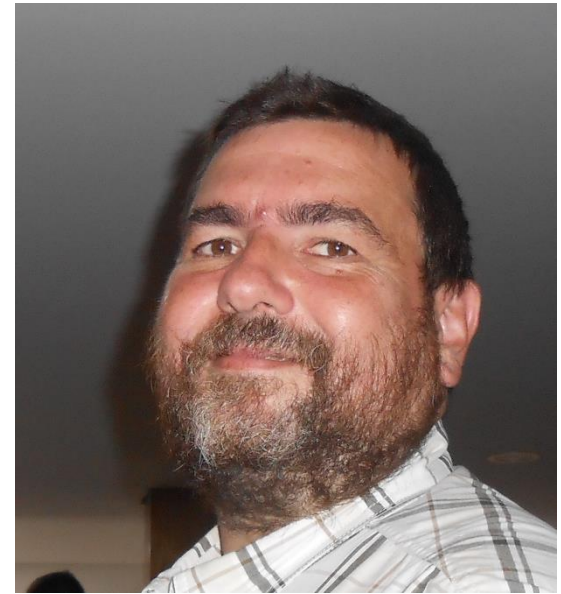
*Its time again, to know
more about our
grandfathers' history...*

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His Web page is <http://homepage.ufp.pt/lmbg>



A Geografia e as suas dimensões digitais:
uma discussão relacionada com as cidades para unir a herança europeia

Vivemos num mundo digital, no qual tanto as pessoas como a economia precisam de aprender novas regras para se adaptarem a um ambiente em rápida mudança. No entanto, a geografia e as questões do mundo físico tradicional ainda desempenham um papel central.

A apresentação propõe a discussão de como o digital pode mudar a nossa relação com os lugares e como a geografia ainda precisa de ser considerada como um fator chave para qualquer estratégia. As implicações e transformações para as cidades e como elas podem tornar-se centrais para a organização humana são propostas para apoiar a discussão e para seguir a posição do autor.

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Os seus interesses estão associados com o impacto do digital na atividade humana. É auditor de Defesa Nacional e tem participado em projetos associados com Aplicações e Sistemas de Informação no contexto do e-learning e do e-government, bem como em questões de cibersegurança e proteção de dados.

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