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Achieving SDG Targets: The European Approach: Compliance - The Case of Energy & Irish Universities

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ACHIEVING SDG TARGETS: THE EUROPEAN APPROACH

The Case of Energy & Irish Universities

The Question?

Are there aspects
of the following approach
that AASHE can help North America
progress with the SDGs?

Millennium Development Goals

Goal 7. Ensure Environmental Sustainability

https://www.indexmundi.com/ireland/millennium-development-goals.html

Ireland

2020 Target (Millennium Goals)

20% reduction over starting 2008 starting benchmark

33% reduction for the public sector

2030 Target (Sustainable Development Goals)

An EU-wide reduction of 40% by 2030 over 2008 has already been agreed by Member States.

2050 Developing Target

- The EU + several Member States, have ambitions to reduce GHG emissions by 80% to 95% by 2050, compared with 1990 levels.

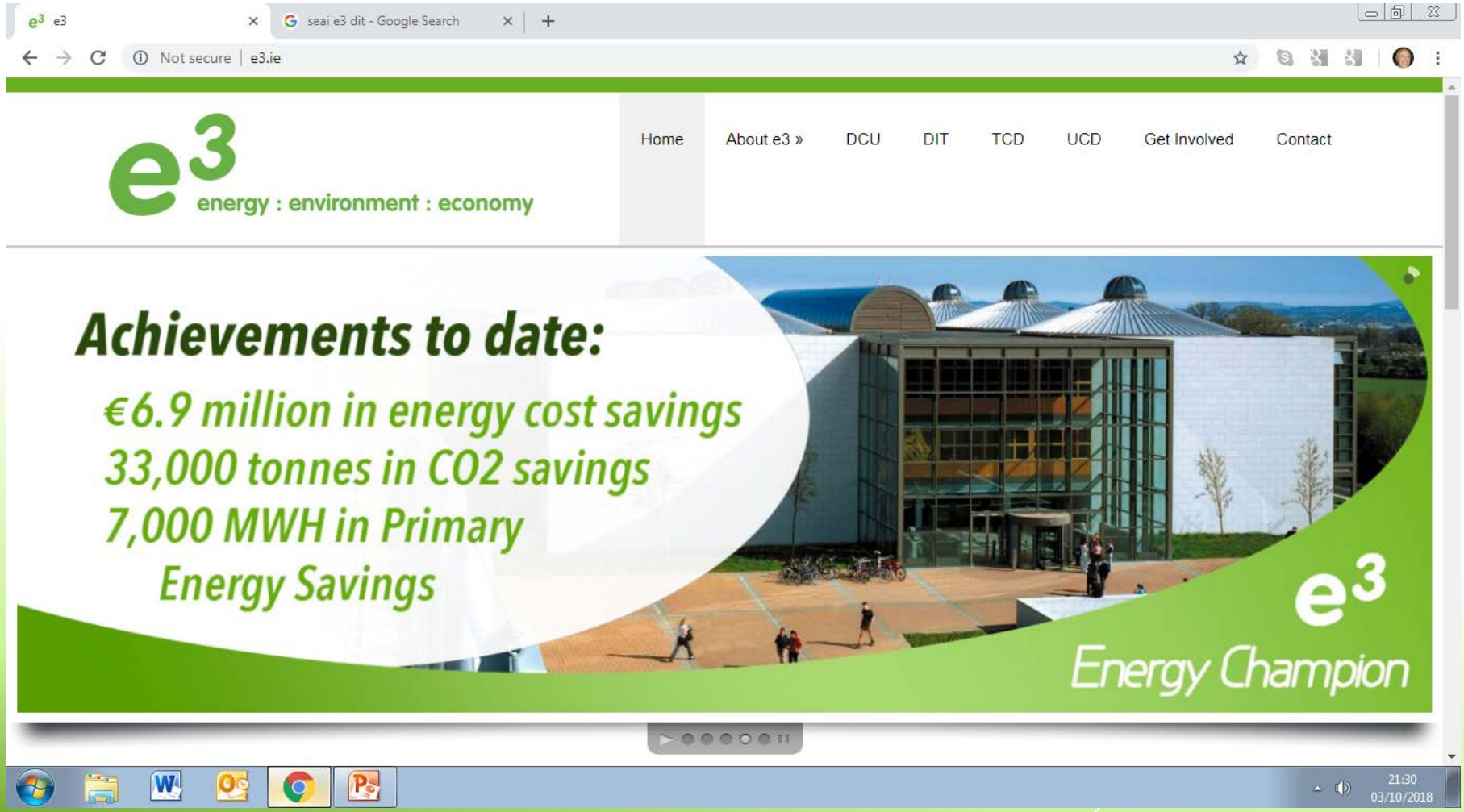
Ireland's National Energy Efficiency Action Plan (NEEAP)

https://www.seai.ie/about/irelands-energy-targets/

Energy Efficiency

www.e3.ie

established 2005



Ireland's Public Sector

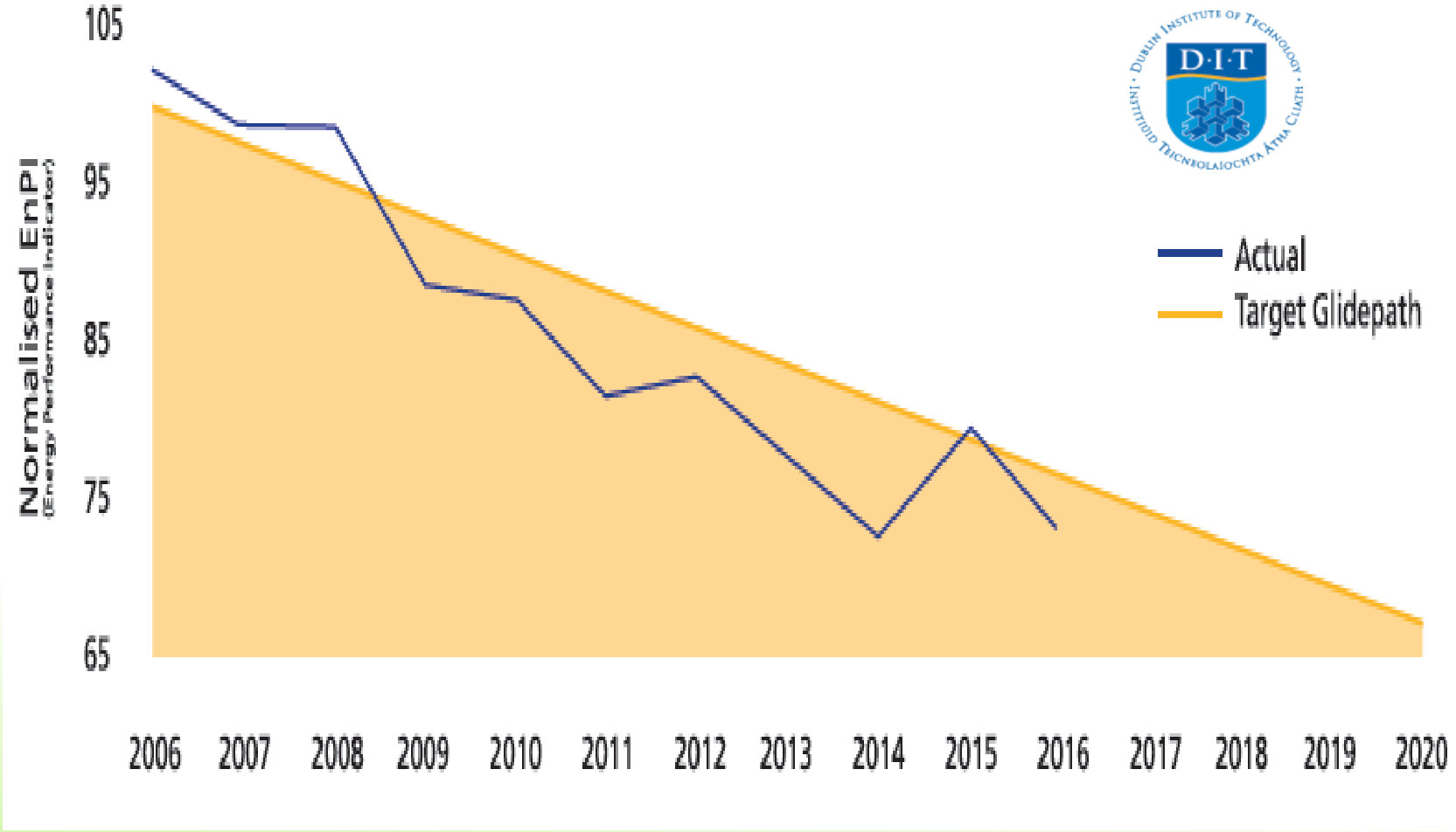
- Part of ~80 public bodies monitoring/networking/sharing/ behavioral change program (recorded 21% av. annual energy saving)
- Public sector ISO 50001 program (with 27 other large energy users)
- Green public procurement – central framework for energy supplies (incl. buying renewable electricity)
- Public sector compliance - energy audit directive

Others, e.g.

- targeting of schools to improve energy use practices/reduce costs

http://www.dccae.gov.ie/documents/Public%20Sector%20Energy%20Efficiency%20Strategy.pdf, p18

DIT Phase 1 Energy Efficiency (2009-2016)



2006 – 2016 … 2020

Energy Performance Indicator – formula

https://www.seai.ie/energy-in-business/monitoring-and-reporting/tracking-energy-performance/tracking-performance-using-enpi/

Ireland's Public Sector (for 2017 – 2020)

- Building & process design
- Building renovation
- Lighting
- Renewables
- Behavioral change
- Energy efficiency

Others, e.g.

- transport
- water

http://www.dccae.gov.ie/documents/Public%20Sector%20Energy%20Efficiency%20Strategy.pdf pp21-26

DIT Phase 2 Energy Efficiency (2017 – 2020)

SUSTAINABLE DEVELOPMENT GOALS
1 NO POVERTY
2 ZERO HUNGER
3 GOOD HEALTH AND WELL-BEING
4 QUALITY EDUCATION
5 GENDER EQUALITY
6 CLEAN WATER AND SANITATION
7 AFFORDABLE AND CLEAN ENERGY
8 DECENT WORK AND ECONOMIC GROWTH
9 INDUSTRY, INNOVATION AND INFRASTRUCTURE
10 REDUCED INEQUALITIES
11 SUSTAINABLE CITIES AND COMMUNITIES
12 RESPONSIBLE CONSUMPTION AND PRODUCTION
13 CLIMATE ACTION
14 LIFE BELOW WATER
15 LIFE ON LAND
16 PEACE, JUSTICE AND STRONG INSTITUTIONS
17 PARTNERSHIPS FOR THE GOALS
SUSTAINABLE DEVELOPMENT GOALS

Energy Efficiency (2030)

SDG 7.3

7.3: By 2030, double the global rate of improvement in **energy efficiency**

Indicator 7.3.1

Energy intensity measured in terms of primary energy and GDP

SDG 2030 Target across EU

- Reduction of 40% by 2030 over 2008.

Ireland’s Public Sector target

- Expected to be 50%.

Approach expected to continue

- Carrot & Stick

2030 Energy Efficiency

SDG's – Ireland's Implementation Plan (launched 26th. April, 2018)

https://www.dccae.gov.ie/en-ie/environment/topics/sustainable-development/sustainable-development-goals/Pages/National-Implementation-Plan-2018---2020.aspx

SDGs – Ireland's Implementation Plan (2018-2020)
extract

Goal 4 : Ensure inclusive & equitable quality education & promote lifelong learning opportunities for all

Goals and Targets		Indicator	Dept	Relevant Irish Policy	National Policy Key Objective
4.7	By 2030, ensure that all learners acquire the knowledge and skills needed to promote sustainable development, including, among others, through education for sustainable development and sustainable lifestyles, human rights, gender equality, promotion of a culture of peace and non-violence, global citizenship and appreciation of cultural diversity and of culture's contribution to sustainable development.	Indicator 4.7.1: Extent to which (i) global citizenship education and (ii) education for sustainable development, including gender equality and human rights, are mainstreamed at all levels in: (a) national education policies; (b) curricula; (c) teacher education; and (d) student assessment *No data for this indicator is currently available and its methodology is still under development, please see tier 3*	DES	*The National Strategy on Education for Sustainable Development in Ireland 2014-2020*	To ensure that education contributes to sustainable development by equipping learners with the relevant knowledge (the 'what'), the key dispositions and skills (the 'how') and the values (the 'why') that will motivate and empower them throughout their lives to become informed active citizens who take action for a more sustainable future.

UN Submission – July 2018

Governance Arrangements pp16-17

…. Overall political oversight for national SDG implementation is provided through the Cabinet, with each Government Minister having specific responsibility for implementing individual SDG targets related to their Ministerial functions. For this reason, each of the 169 SDG targets has been assigned to a lead Government Department …

… The Minister for Communications, Climate Action and Environment has specific responsibility for promoting the SDGs … To carry out these tasks, the Minister established the National Sustainable Development Unit within his Department in 2017.
The Minister for Foreign Affairs and Trade is responsible for taking forward commitments, … regarding foreign policy and international development as they relate to the SDGs.

To support these Ministerial functions, Ireland established structures at official level to facilitate implementation. A Senior Officials' Group [SOG] on the SDGs, made up of Assistant Secretaries from all Government Departments, has been established to provide strategic coordination and to report, as required, to Cabinet. This Group is chaired by the Department of the Taoiseach [Prime Minister], with support from the National Sustainable Development Unit. It is assisted by an SDG Interdepartmental Working Group [IDWG], again comprised of representatives from all Government Departments. The IDWG is responsible for developing national policy in relation to SDG implementation, preparing Ireland's VNRs (Voluntary National Reviews) and other SDG reports, and developing national arrangements of stakeholder engagement.

https://www.dccae.gov.ie/en-ie/environment/topics/sustainable-development/sustainable-development-goals/Pages/Voluntary-National-Review-2018.aspx

What's next in Ireland

Similar process to energy expected to be rolled out with

- water
- waste
- green ICT
- green procurement
- mobility

with the **SDG indicators as the base** for target setting

THE FUTURE

& Research … all calls in Ireland in 2018

~ … "impact the project will have on the SDGs"

epa Research
Climate - Water - Sustainability
Identifying pressures • Informing policy • Developing solutions

sfi Science Foundation Ireland

DCCAE

IRISH RESEARCH COUNCIL
An Chomhairle um Thaighde in Éirinn

seai SUSTAINABLE ENERGY AUTHORITY OF IRELAND

FP9

& will be required in all coming EU calls (e.g. FP9 - 2021-2028 : €120bn)

The Question?

Are there aspects
of this approach
that AASHE can help North America
progress with the SDGs?

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SDG Reporting

National Voluntary Reviews : North America

Canada : 2018
Mexico : 2016
2018
USA : https://sustainabledevelopment.un.org/vnrs/

SDG Performance 2017 : EU 15

Country	Index Score	Country Rank
Sweden	78.96	1
Denmark	74.81	2
Finland	65.76	3
Netherlands	54.98	4
Germany	54.82	5
Austria	53.67	6
United Kingdom	50.96	7
France	50.71	8
Belgium	49.62	9
Ireland	44.25	10
Luxembourg	43.75	11
Spain	40.53	12
Portugal	39.76	13
Italy	35.74	14
Greece	22.92	15

https://www.socialjustice.ie/content/publications/sustainable-progress-index-2018