SUSTAINABILITY – IRELAND to DIT

Visit of SusDev (erasmus+)

The Greenway Hub, DIT Grangegorman.

"Sustainable development is development that meets the needs of the present without compromising the ability of future generations to meet their own needs. "

Brundtland Report, 1987

UNFCCC

United Nations Framework Convention on Climate Change

Kyoto Protocol

- established legally binding obligations for developed countries to reduce their greenhouse gas emissions in the period 2008-2012

- Follow On : Cancún (2010); Doha (2012)

Paris Agreement (COP21) Nov.-Dec. 2015

- Supporting the 17 Sustainable Development Goals Sept 2015.

COP = Conference Of the Parties = the annual meeting of UNFCCC

Europe 2020

Europe 2020 is the EU's growth strategy for 2011-2020.

"In a changing world, we want the EU to become a smart, sustainable and inclusive economy ... to help deliver high levels of employment, productivity and social cohesion."

Ambitious objectives to be reached by 2020 on
- *employment,*
- *innovation,*
- *education,*
- *social inclusion and*
- *climate/energy.*

***Each Member State** has adopted its **own national targets** in each of these areas. **Concrete actions** at **EU and national levels** underpin the strategy.*

Europe 2020 in Ireland

Policy recommendations

Progress towards 2020 targets

Europe 2020 targets - State of play

Employment rate

Expenditure on Research and Development

Greenhouse gas emissions

Renewable energy

Primary Energy Consumption

Early leavers from education and training

Tertiary educational attainment

People at-risk-of-poverty or social exclusion

Navigation (left sidebar)

Europa 2020.

Public consultation

Europe 2020 in a nutshell

Priorities

Targets

Flagship initiatives

Other tools for growth and jobs

Who does what

European institutions and bodies

EU Member States

Regional and local authorities

Civil society

Making it happen: the European Semester

Priorities at EU level: the Annual Growth Survey

Concrete Actions

- EU Directives

  - e.g. water, building energy rating (ber)

- EU Programmes

  - e.g. Horizon 2020, LIFE+

- National Legislation

  - e.g. smoking, plastic bags

- National Incentives

  - e.g. cycling, diesel

- Local Initiatives

  - e.g. www.desireland.ie, 'tidy towns'

Table 7
The Economy SDG Index – Ranking by Country

Country	2006	2010	2014 SDG Value	2014
Denmark	1	6	69.63	5
Sweden	2	1	73.18	1.5
Netherlands	3	7	67.85	6
Luxembourg	4	3	71.40	3.5
Finland	5	4	53.58	9
Ireland	6	11	50.00	10
Austria	7	5	60.68	7
Germany	8	2	73.18	1.5
United Kingdom	9	9	71.40	3.5
Belgium	10	8	57.10	8
Spain	11	14	21.43	12
France	12	10	41.08	11
Greece	13	15	5.33	15
Italy	14	12	17.83	14
Portugal	15	13	17.85	13

Table 8
The Environment SDG — Ranking by Country

Country	2000 (5 SDGS)	2014 (5 SDGs)	2014 SDG (Value 7 SDGs	2014 (7 SDGs Values)
Sweden	1	2	71.59	1
Finland	2	5	58.50	4
France	3	1	66.67	2
Austria	4	7	54.06	7
Spain	5	3	55.93	6
Portugal	6	4	46.42	9
Germany	7	6	60.22	3
Denmark	8	8	57.98	5
Italy	9	12	35.72	14
United Kingdom	10	9	53.55	8
Belgium	11	10	37.76	12
Greece	12	11	37.41	13
Netherlands	13	15	43.04	10
Ireland	14	13	33.68	15
Luxembourg	15	14	39.44	11

Table 9
The Society SDG Index – Ranking by Country

Country	2004 (7 SDGs)	2014 (7 SDGs)	2014 SDG Value (8 SDGs)	2014 (8 SDGs)
Denmark	1	1	77.66	1
Sweden	2	2	73.21	2
Netherlands	3	5	66.50	4
Finland	4	4	68.58	3
Belgium	5	7	58.78	6
Luxembourg	6	3	59.08	5
Ireland	7	9	46.71	9
France	8	10	45.08	10
Germany	9	6	56.24	7
Austria	10	11	49.84	8
United Kingdom	11	8	41.65	11
Portugal	12	12	28.55	13
Spain	13	14	28.25	14
Italy	14	13	29.01	12
Greece	15	15	19.51	15

Table 10

Sustainable Progress Index – Ranking by Country

Country	SPI Score 2014	Rank 2014
Sweden	72.66	1
Denmark	68.42	2
Germany	63.21	3
Finland	60.22	4
Netherlands	59.13	5
Luxembourg	56.64	6
United Kingdom	55.53	7
Austria	54.86	8
Belgium	51.21	9
France	50.94	10
Ireland	43.46	11
Spain	35.20	12
Portugal	30.94	13
Italy	27.52	14
Greece	20.75	15

- DIT FRAMEWORK

1. Stakeholders

2. Sustainability Systems

3. Areas / Activities

1. DIT Stakeholders

- - Researchers

- - Educators & their programmes

- Staff

  - Estates

  - All

- - Students

- - Local Population

- - Suppliers

2. SUSTAINABILITY SYSTEMS

1. Fair Trade (Germany)
2. Green Impact (UK Nat. Union of Students)
3. Procurement Flexible Framework (UK Govt.)
4. Eco Campus (includes Ireland's Green Flag)
5. ISO 14001
6. BREEAM
7. Carbon Trust (UK)
8. UI Green Matric (University of Indonesia)
9. Responsible Futures (UK Nat. Union of Students)
10. Food For Life (UK)
11. AUDE Green Scorecard (Association of University Directors of Estates)
12. GRI (Global Reporting Initiative)
13. ISCN Gulf Charter (International Sustainable Campus Network, HQ US)
14. ISO 26000
15. ISO 50001
16. SustainaBUL (Netherlands)
17. STARS from AASHE (US Ass. for Advancement of Sustainability in H. Ed.)

3. ACTIVITIES

- OVERALL
  - Strategic Plan, including details on current & planned
    - education programmes (% sustainability)
    - sustainability related research (% staff, % funding)
    - staff training / education
      - estates
      - all staff
    - ex-circular student activity
    - activity linking local population & DIT
    - suppliers (incl. green procurement)

- SPECIFIC ACTIVITIES   a/d

- Building Energy
  - Generation
    - Grangegorman
  - Use (~ efficiency)
    - estates
    - staff & students
  - Green ICT
    - student/staff behaviour, e.g.
      - library computers : on/off
      - Jack & Jill boxes

- SPECIFIC ACTIVITIES   b/d

- Mobility
  - Public Transport
    - students & staff : benefits, e.g.
      - no parking cost
      - commuter ticket saving
  - Bikes
    - sheds / green way cycle routes / showers / lanes / security / Dublin bikes
  - Walking
    - Health benefits
    - historic / health walks

- ACTIVITIES   c/d

- Environment
  - Waste (+ litter)
    - reduction (e.g. water bottles / travel mugs)
    - separation (e.g. campaign early in new semester)
    - disposal
  - Water
    - protection
    - Conservation
  - Biodiversity
    - community garden
    - meadow grass
    - labyrinth

- Activities d/d

- Other
  - air quality
  - climate change
  - climate justice
  - procurement

Sustainability at DIT - The ×

www.dit.ie/thegreenway/

The Green Way highlights all of DIT's activities relating to Sustainability

Studying

Find out what courses you can persue in an emerging field with DIT. Postgraduate and undergradate course.

Find out more

Research

DIT is at the forefront of sustainable research, find out what is going on along with what you can do too.

Find out more

Community

DIT has a long history of aiding the communites located around our campuses. Find out what initiatives are ongoing.

Find out more

Operations

DIT is working towards a sustainable campus environment both in our current buildings and in our new Grangegorman campus.

Find out more

LATEST NEWS

6th-9th March 2017 : Conference - **Building Integrated Renewable Energy Systems**

Dec 2016 : **Santry River Greenway Feasibility Appraisal** : David O'Connor, Matthias Borscheid, Odran Reid, Meadhbh Ní Lochlainn (Use **Arrow** to discover other DIT sustainability publications.)

FULL TIME POSTGRAD PROGRAMMES

ME Sustainable Infrastructures

MSc Sustainable Development

MSc Sustainable Electrical Energy Systems

MSc Energy Management

MSc Local Development and Innovation

MSc Tourism Management

MSc Environmental Health & Safety

PG Cert Digital Energy Analysis & Building Retrofit

PART TIME POSTGRAD PROGRAMMES

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Full Time Post Graduate Progammes:

MSc in Sustainable
Development
DT118

MSc in Sustainability,
Technology, & Innovation
DT713

MSc in Sustainable
Electrical Energy Systems
DT704

MSc in Energy
Management
DT711

MSc in Local Development and
Innovation
DT121

MSc in Tourism
Management
DT9434

MSc in Environmental
Health & Safety
DT436T

PG Cert in Digital Energy
Analysis and Building Retrofit
DT774

Part Time Post Graduate Programmes:

MSc in Spatial Planning
DT123

MSc in Energy
Management
DT015

MSc in Tourism
Management
DT443

PG Diploma/ MSc in
Pharmaceutical &
Chemical Process
Technology
DT275

MSc in Planning &
Development
DT122

PgCert, PgDip and MSc Local
Development and
Innovation DT9121

An tSlí Ghlas
THE GREEN WAY

www.dit.ie/thegreenway