Using a Dynamic Pan-Disciplinary Framework and Open-Source Resources to Integrate the SDGs into Your Curriculum

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Enabling Strategy Frameworks

- Coherence on Education for Sustainable Development (ESD)
- Students-as-Partners approach at UCC
Institutional Gap Analysis

The Association for the Advancement of Sustainability in Higher Education (aashe)
Supporting the Academic Strategy

SDG Toolkit
Project Mission:

To create and curate resources for teaching staff to integrate sustainability concepts into student learning to support the UCC Academic Strategy
SDG Toolkit: A Co-Creative Approach

Teaching Staff

• Many indirectly addressing SDGs
• Ease of use, non-prescriptive, local focus
• Short videos, background, databases

Students

• Practical, genuine
• Group projects - climate change
• Learning artefacts, videos (<5 min)
SDG Toolkit Project

- Pandisciplinary web-based resources
  - Engage novices to experts
  - Open source
- Professional Development
  - Conducted 9 SDG workshops for 110 participants (Ireland, Sweden & Mexico)
  - Design Sprints (~5 hrs)
  - Digital Badge in Learning & Teaching with the SDGs (~24 hrs)

Reflexive Mapping Exercises to Find Connections to the SDGs

• Mapping Your Module to the SDGs
• Mapping a Course of Study to the SDGs
• Mapping Your Research to the SDGs
• Students Mapping Their Module to the SDGs
  Video (34:09)  
  https://youtu.be/xVWHuJ0maEk
A Holistic Approach to ESD

Three Domains of Bloom’s Taxonomy

Cognitive

Psychomotor

Affective
A Holistic Approach to ESD

Three Domains of Bloom’s Taxonomy

Transformative Sustainability Learning
Co-Creating and Sharing Knowledge

The Quintuple Helix

– Builds on Triple and Quadruple Helix models
– Offers a holistic framework for issues of sustainable development and societal challenges, e.g. climate change

Carayannis and Campbell, 2014
THANK YOU

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UCC Sustainability Journey: A Whole Institution Approach

2000
UCC Environmental Research Institute established

2007
Students raise concerns re waste management on campus
Green Campus Pilot launched with An Taisce

2010
First Green Flag awarded
UI Green Metric #2
ISO 500001

2013
Green Forum established
Green Campus academic outputs begin

2016
Sustainability Strategy launched
UWM Sustainability piloted

2017
Sustainability officer role created
Love our Library launched

2018
Gold STAR award
Plastic free UCC Academic Strategy

2019
THE Impact Ranking
“Living Laboratory” launched

2020
10 Years Sustainable Futures
SDG Toolkit

2021
Living Lab Round 2
Official observer status at COP26
THE Impact #8

2022
Climate Action Plan
UCC Futures
Sustainable Development Solutions Network