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

John Barimo, Catherine O'Mahony, Gerard Mullally, John O'Halloran, Edmond Byrne, Darren Reidy, and Maria Kirrane

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NATIONAL FORUM FOR THE ENHANCEMENT OF TEACHING AND LEARNING IN HIGHER EDUCATION

HEA HIGHER EDUCATION AUTHORITY AN tÚDARÁS um ARD-OIDEACHAS

A TRADITION OF INDEPENDENT THINKING

UCC
University College Cork, Ireland
Coláiste na hOllscoile Corcaigh

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

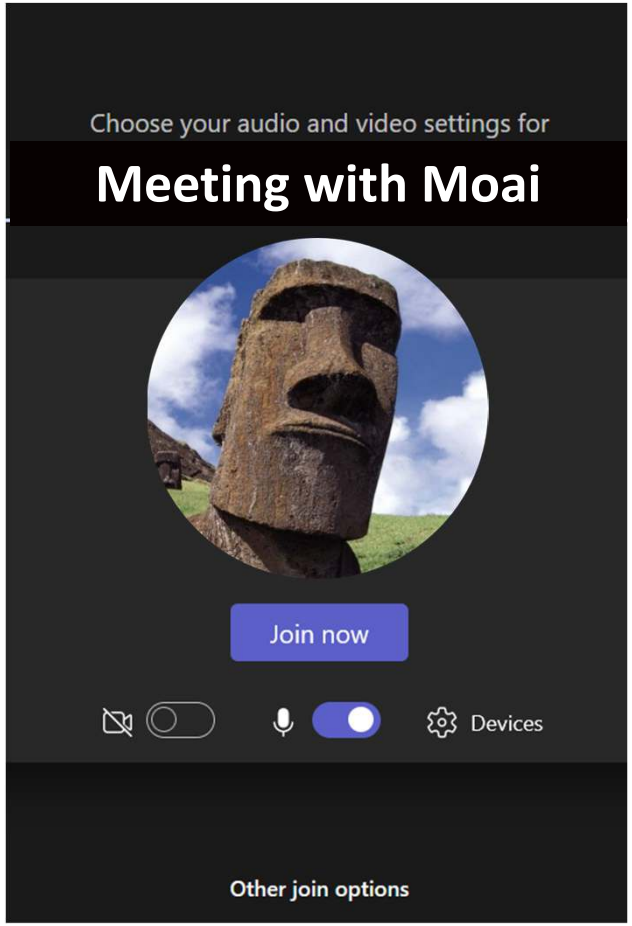
SDG Toolkit: A Co-Creative Approach

Teaching Staff

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

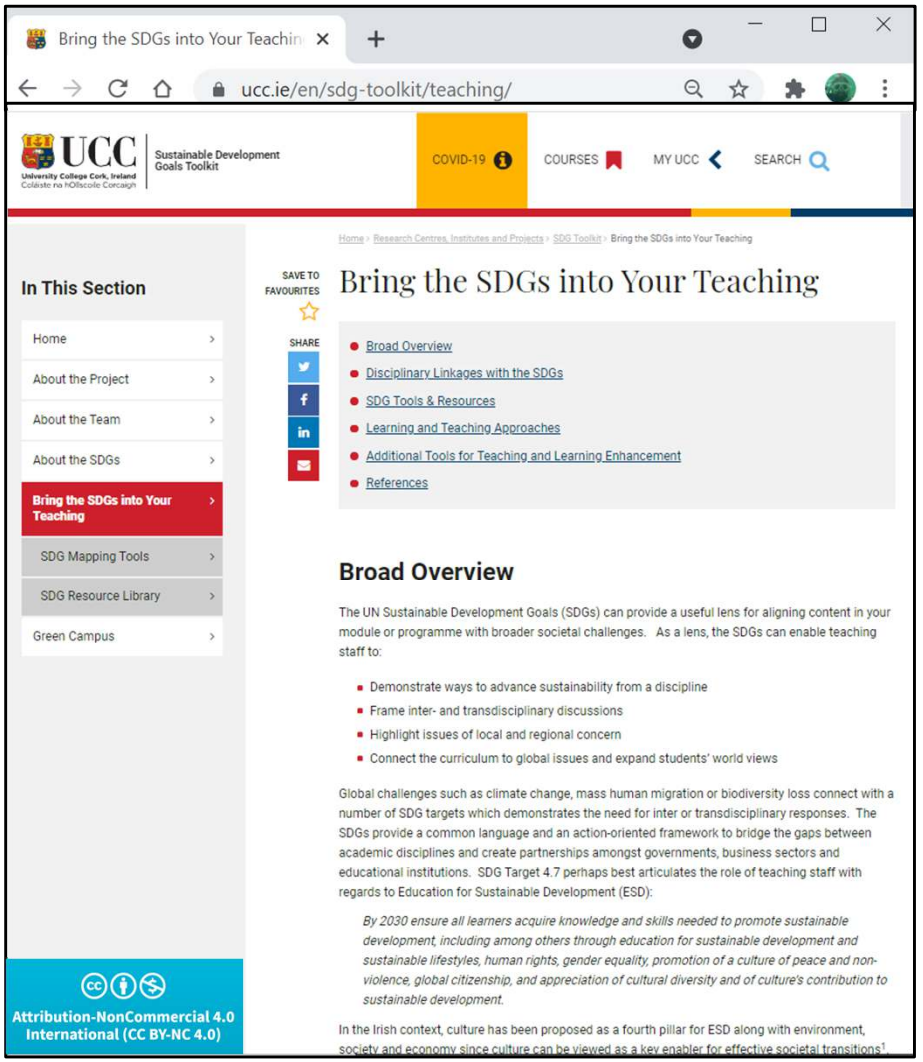
Students

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



SDG Toolkit Project

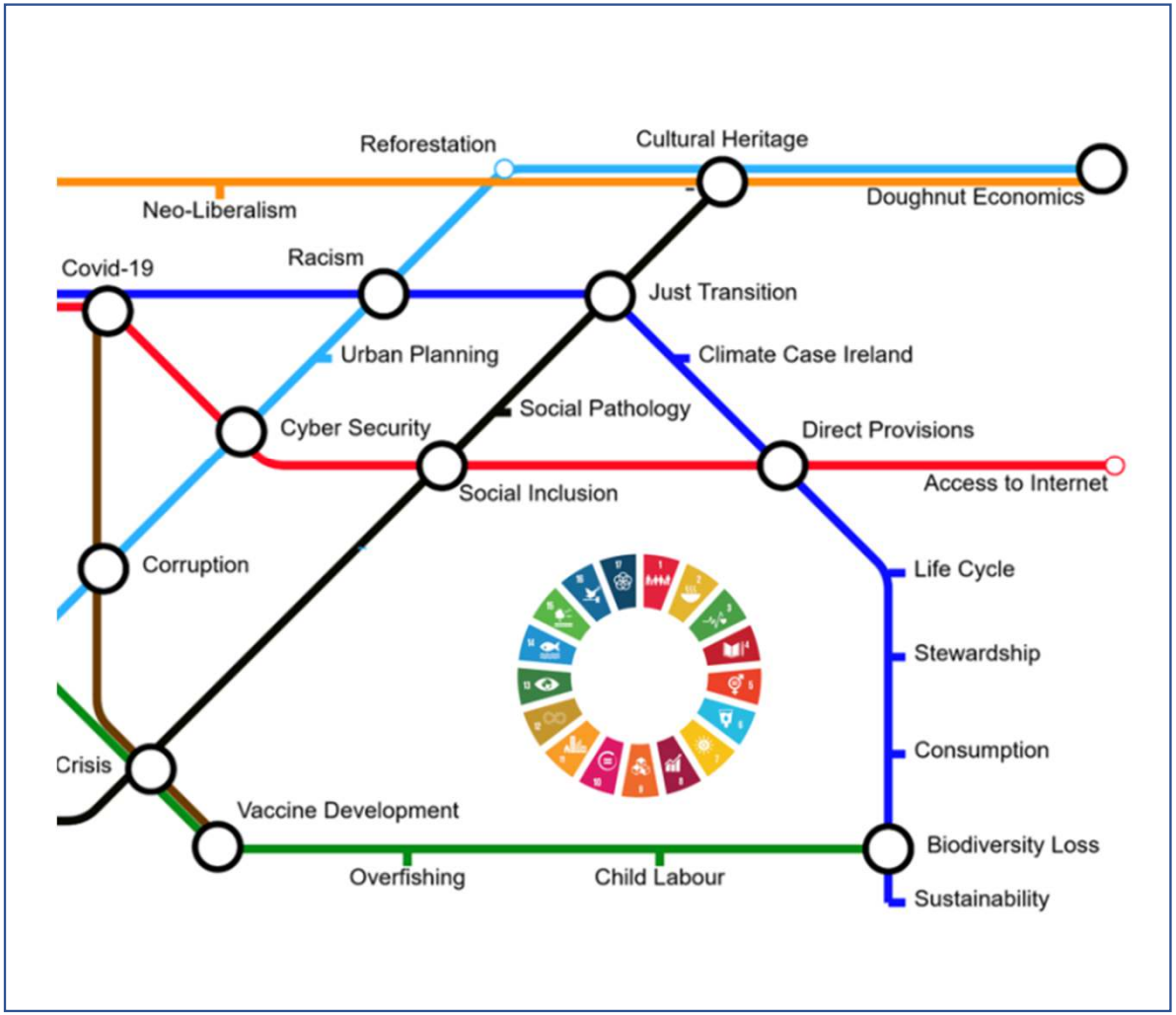
- **Pandisciplinary web-based resources**
  - **Engage novices to experts**
  - **Open source**
- **Professional Development**
  - **Conducted 9 SDG workshops for 110 participants (Ireland, Sweden & Mexico)**
  - **Design Sprints (~5 hrs)**
  - **Digital Badge in *Learning & Teaching with the SDGs* (~24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



https://www.ucc.ie/*en*/sdg-toolkit/

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



SDG Resource Library

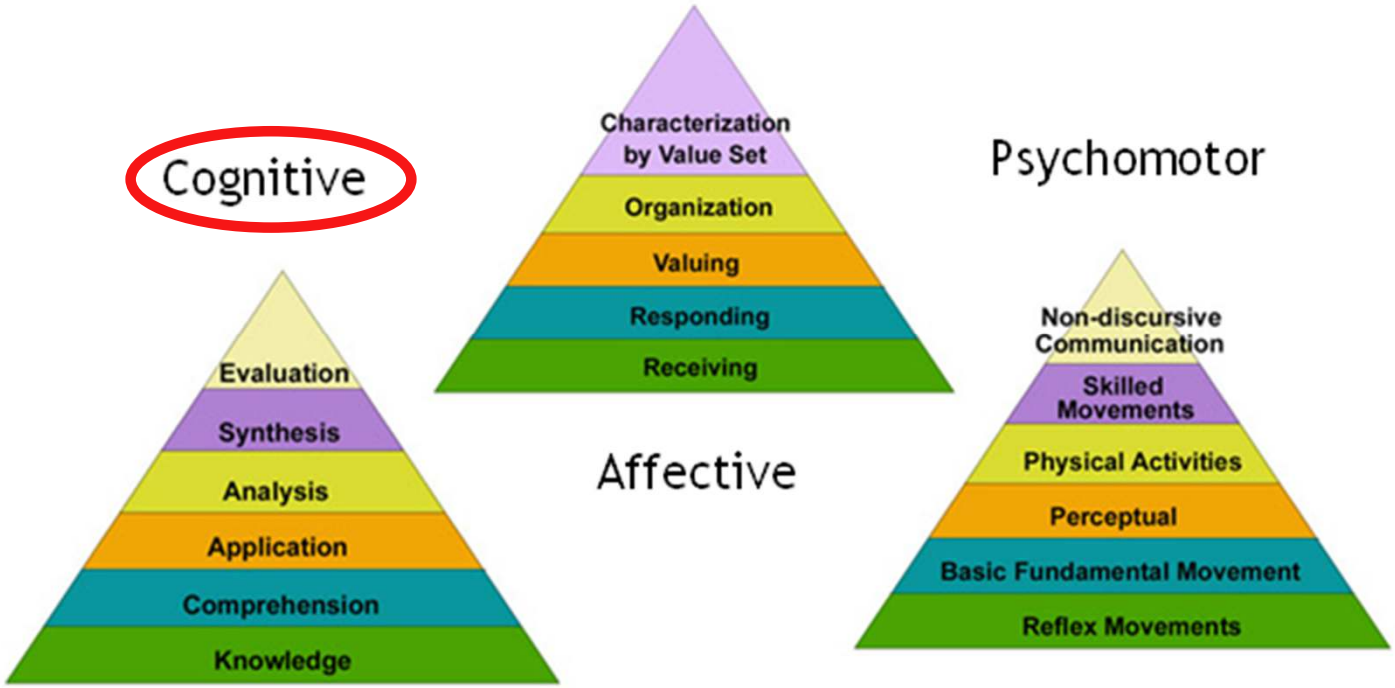
Curated resources to further enrich your curriculum.

- Background Information on SDGs and 2030 Agenda
- General Information on Sustainability
- Education for Sustainable Development (ESD)
- Progress Towards SDGs
- SDG Interlinkages and Three Pillars of the SDGs
- Environmental Pillar
- Social Pillar
- Economic Pillar
- Case Studies Ideas (Taking Action)
- Sustainability Illustrations and Satire
- Sustainability Illustrations Photo Gallery

• Nations United: Urgent Solutions for Urgent Times, Presented by Thandie Newton, 2020. Outstanding video in wake of Covid-19 addressing issues of resilience, climate change, gender equality, poverty, human rights. **Video (34:09)**
https://youtu.be/xVWHuJOmaEk

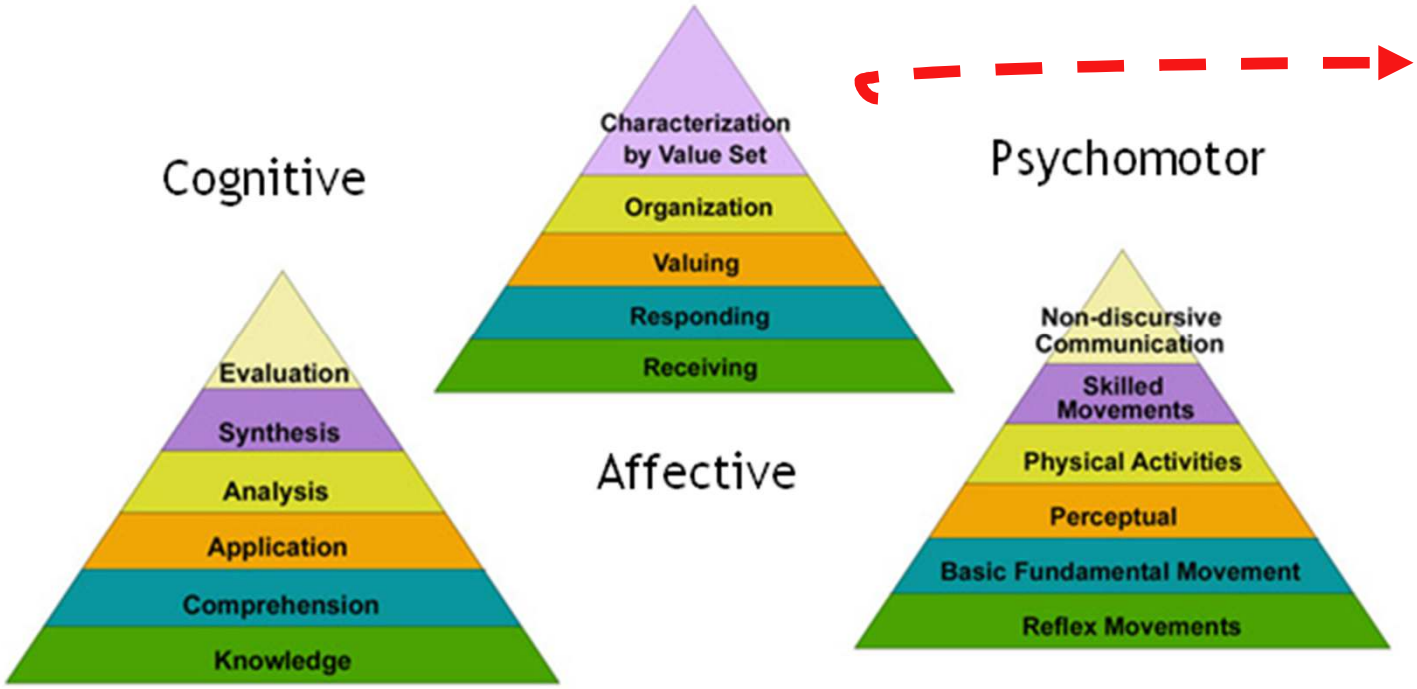
https://www.ucc.ie/*en*/sdg-toolkit/

A Holistic Approach to ESD

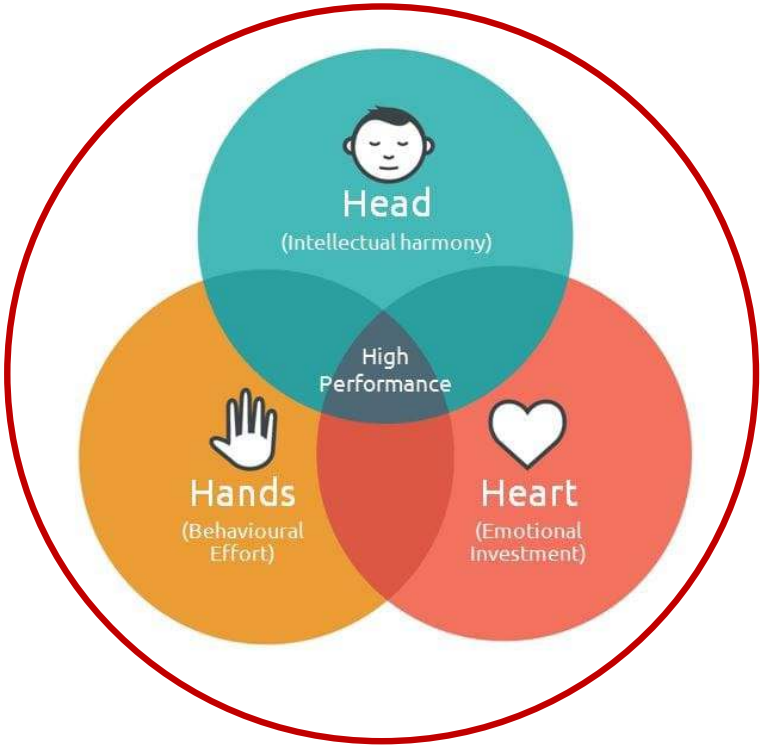


Three Domains of Bloom's Taxonomy

A Holistic Approach to ESD



Three Domains of Bloom's Taxonomy



Transformative Sustainability Learning

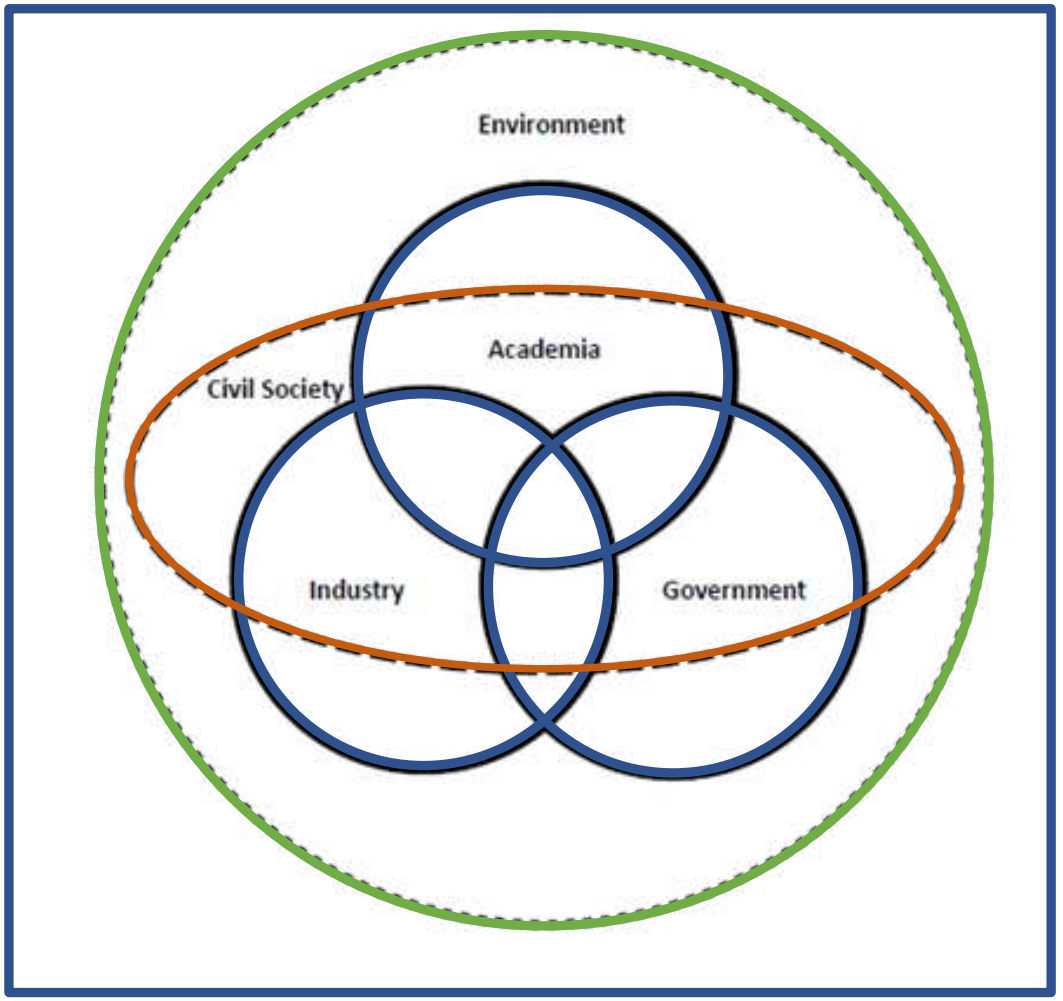
Sipos, Y., Battisti, B., & Grimm, K. (2008)

Co-Creating and Sharing Knowledge

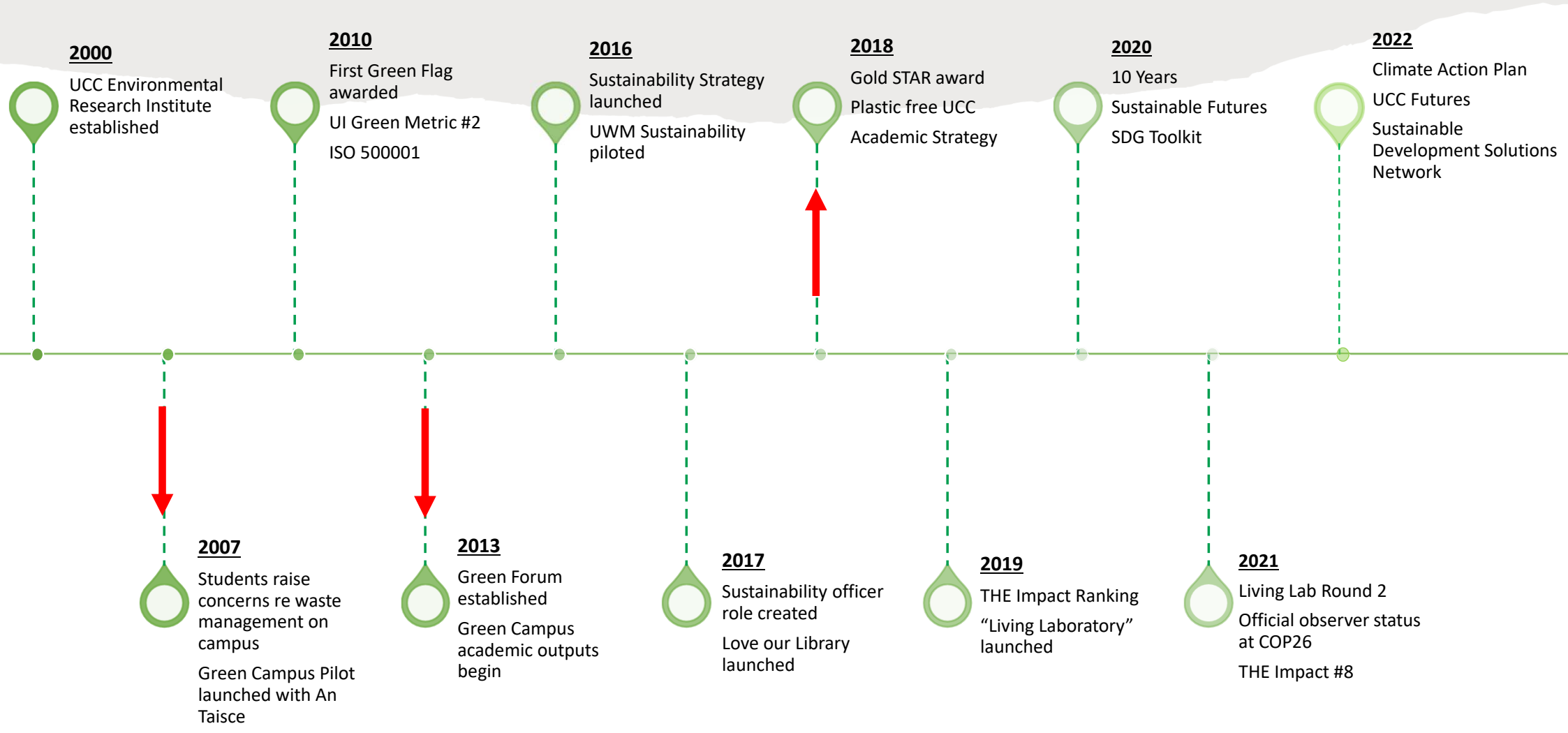
The Quintuple Helix

– 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

Dr John Barimo
Office of the Vice President of
Research & Innovation
University College Cork, Ireland
mail: john.barimo@ucc.ie

UCC Sustainability Journey: A Whole Institution Approach