

The cross-cutting role of SUSTAINABILITY

Bárbara Gabriel
16th of October 2025

Coordinators:



Co-funded by the Erasmus+ Programme of the European Union.
European Higher Education Area (EHEA) - Initiative to support the implementation
of reforms ERASMUS-EDU-2021-EHEA-IBA Action Grant

Full Partners:

 Bundesministerium
Bildung, Wissenschaft
und Forschung


Ministry of Science and Education


MINISTRY OF EDUCATION,
YOUTH AND SPORTS



Associated Partners:



Sustainable Development Working Group

- Bárbara Gabriel (*Portugal*)
- Irma Grdzeldze (*Georgia*)
- Jelena Parojčić (*Serbia*)
- Lali Giorgidze (*Georgia*)
- Ruaidhri Neavyn (*Ireland*)



Short-courses

Objective: develop four short-courses to support Higher Education teachers of any scientific field in embedding sustainable development in different thematic areas of learning & teaching:

- TA1 – Student-centre course design
- TA2 – Innovative teaching and learning
- TA3 – Student's Learning Assessment
- TA4 – Impact and mission with and for society





Let's explore in detail Sustainable Development!



1

What is Education
for Sustainable
Development?



2

The 17
Sustainable
Development
Goals



3

Competences for
Sustainable
Development
according to different
authors



Example 1 "Student-centred course design" short-course - Genially



PROFFORMANCE+ Short courses



Sustainability



Student-centred course design

UNIT 1.3

Examples of **courses** addressing **Sustainable Development** in **different fields** are presented for inspiration.

Literature	Design & Manufacturing	Economics	Law	Accounting	Journalism	Tourism
 Literature and the Environment University of Leeds, UK	 Innovations in Sustainable Design and Manufacturing University of Cambridge, UK	 Sustainable Resource Economics and Policy University of Bologna, Italy	 Environmental Law and Policy University of Yale, USA	 Accounting, Sustainability and Finance University of Edinburgh, Scotland	 Media, Communication and Sustainable Development Umeå University, Sweden	 Leisure, Tourism and Territorial Sustainability University of Coimbra, Portugal
Physics	Toxicology	Aviation	Mathematics	Architecture	Psychology	Education
 Physics for Sustainable Development University of Paris-Saclay, France	 Global Toxicology in a Sustainable Society Karolinska Institute, Sweden	 Sustainable Aviation University of Illinois at Urbana-Champaign, USA	 Mathematical Modelling for Sustainable Development University of Bristol, U.K	 Sustainable Architecture, Urban and Landscape Technical University of Munich, Germany	 Environmental Psychology University of Groningen, The Netherlands	 Knowledge forming and sustainable development University of Gothenburg, Sweden
Sustainable Development	Nanomaterials	Chemistry	Agriculture	Engineering	Medicine	Pharmacy
 Sustainable Development: Big issues, new answers University of Leiden, The Netherlands	 Nanomaterials for Sustainable Energy and Environment KTH, Sweden	 Principles & Systems Thinking in Green & Sustainable Chemistry University of York, U.K	 Agricultural Economics University of Nairobi, Kenya	 Sustainable Engineering Systems Monash University, Australia	 Sustainability in medicine: Action plan for a climate emergency McGill University, Canada	 Green & sustainable pharmaceutical production Southeast technological university, Ireland



profformance.eu

tool.profformance.eu

award.profformance.eu

Example 1 of an exercise

"Student-centred course design" short-course - Genially



Sustainability

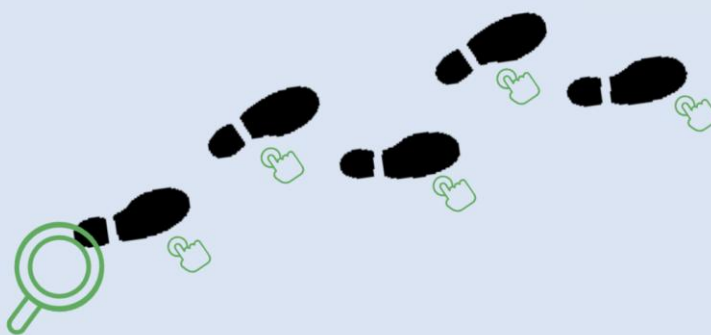
Student-centred course design

UNIT 1.2

Case study

EcoVille: A Sustainable Community Initiative

EcoVille is a small community that has implemented a range of projects to meet several of the United Nations' Sustainable Development Goals (SDGs). These projects include renewable energy installations, organic farming cooperatives, education programs on sustainable practices, waste management systems, and healthcare initiatives focusing on preventive care.







profformance.eu

tool.profformance.eu

award.profformance.eu

Example 2 "Innovative teaching and learning" short-course - Genially



PROFFORMANCE+
Short courses



Sustainability



Innovative teaching and learning

UNIT 2.2

A set of ten practical existing examples of activities that involve environmentally friendly practices are presented for inspiration

Implement sustainable practices in campus dining, such as offering incentives for students who bring reusable containers, switching to biodegradable cutlery, or promoting plant-based meal options.

Waste and Water Management Initiatives

Sustainability-Focused Competitions

more cards →





profformance.eu

tool.profformance.eu

award.profformance.eu

Example 2 of an exercise

"Innovative teaching and learning" short-course - *Genially*


PROFFORMANCE+
Short courses


Sustainability


Innovative teaching and learning

UNIT 2.2

Reflection exercise - Supporting Student-Led Sustainable Development Initiatives

Context

As an educator, you want to introduce students to the concepts of sustainable development and encourage them to engage in sustainable activities beyond the classroom. Your goal is to help students connect their academic work to real-world sustainability challenges and contribute meaningfully to their communities.

Case Study Scenario:

You are teaching a course on sustainability, and a group of students proposes starting a Green Campus Initiative. They are eager to implement small-scale environmentally friendly practices that can improve campus life and reduce the university's ecological footprint. The students suggest three initiatives:

- 1
- 2
- 3

The students want to partner with local environmental NGOs and the university administration to make these ideas a reality.

your task →



profformance.eu

tool.profformance.eu

award.profformance.eu


PROFFORMANCE+
Short courses


Sustainability


Student's learning assessment

UNIT 3.1

Let's explore in more detail Environment-friendly methods



Virtual Labs and Simulations

Conduct laboratory experiments and competence evaluations using simulation software and virtual labs. This reduces the need for physical resources and minimizes waste, especially in science and technology disciplines.



Online Assessments



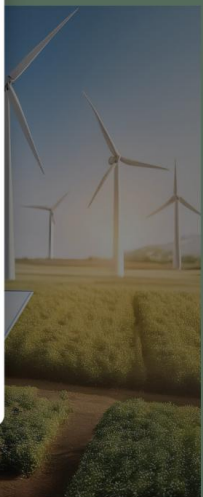
Sustainable Mobility and Participation



3D Virtual Reality
Control Room

University of Coimbra,
Portugal

[#D Virtual Reality](#)
[Control Room](#)




profformance.eu
tool.profformance.eu
award.profformance.eu

Example 3 of an exercise

"Student's learning assessment" short-course - *Genially*



PROFFORMANCE+
Short courses



Sustainability



Student's learning assessment

UNIT 3.2

Reflective exercise - Reimagining students assessment

Let's take a moment and think how student assessment can be reimagined to align well with the ambitious goal of equipping our students with the sustainability competencies and the advanced active learning strategies implemented to achieve it.

1

How can I integrate students led project-based learning into the assessment strategy?

Some hints

2

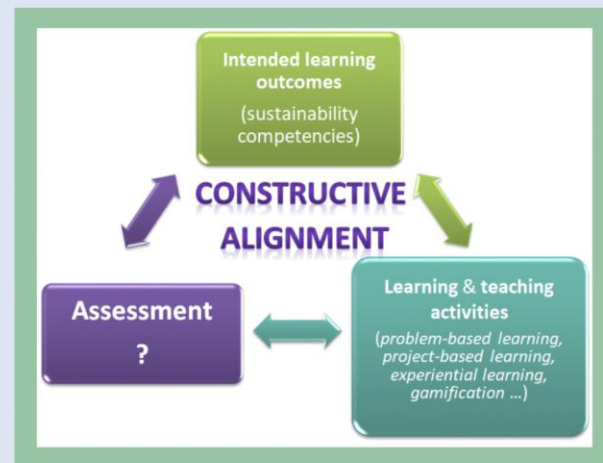
How can I introduce gamification to create an engaging learning experience that will support students to interact, collaborate, and develop sustainability competencies?

Some hints

3

Can self-assessment contribute to sustainability competencies development and student assessment?

Some hints



profformance.eu

tool.profformance.eu

award.profformance.eu

Example 4 "Impact and mission with and for society" short-course - Genially



PROFFORMANCE+ Short courses



Sustainability



Impact and mission with and for society

UNIT 4.3

Presented below are seventeen examples of research initiatives, each aligned with a specific Sustainable Development Goal




















profformance.eu

tool.profformance.eu

award.profformance.eu

Example 4 of an exercise

"Impact and mission with and for society" short-course - Genially



PROFFORMANCE+ Short courses » Sustainability Impact and mission with and for society

FINAL QUIZ

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10

→
↶
🏠

🔄



profformance.eu

tool.profformance.eu

award.profformance.eu

The cross-cutting role of SUSTAINABILITY

Bárbara Gabriel

4th of June 2025, online

Coordinators:



Co-funded by the Erasmus+ Programme of the European Union.
European Higher Education Area (EHEA) - Initiative to support the implementation
of reforms ERASMUS-EDU-2021-EHEA-IBA Action Grant

Full Partners:

 Bundesministerium
Bildung, Wissenschaft
und Forschung


Ministry of Science and Education


MINISTRY OF EDUCATION,
YOUTH AND SPORTS



Associated Partners:

