Integration of the Sustainable Development Goals in Ocean Sciences

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Introduction
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Sustainable Development Goals
Tangible targets and measurable indicators

Education for Sustainable Development (ESD)
- Knowledge and key skills
- Methods and tools for integration of SDGs into research and teaching
Context

International Master of Science in Marine Biological Resources (IMBRSea)

Organised by eleven European universities

Ghent University - UGent (BE)
University of Sorbonne - SU (previously: UPMC) (FR)
University of Algarve - UAAlg (PT)
University of Oviedo - UniOvi (ES)
Atlantic Technological University - ATU (IE)
University of the Basque Country - UPV/EHU (ES)
Polytechnic University of Marche - Univpm (IT)
University of Bergen - UiB (NO)
University of Western Brittany - UBO (FR)
University of Côte d’Azur - UCA (FR)
University of Gothenburg - UGOT (SE)

Semester 1
Fundamental Modules
Transferable Skills Modules

Semester 2
9 Thematic Modules
Professional Practice

Semester 3
Summer School
5 Specialisation Modules

Semester 4
Master Thesis
Annual Symposium
Target Audience

2018
120 students
45 Nationalities
43 % non-EU

2019
93 students
38 Nationalities
30 % non-EU

2020
86 students
24 Nationalities
25 % non-EU

2021
120 students
39 Nationalities
40 % non-EU

Around 90 partners Worldwide
PP/Thesis
Challenges of Education

**Equal access to the opportunities**
Despite diverse economic, educational, ethnic and social backgrounds. High class-heterogeneity in terms of academic background.

**Coverage of SDGs**
SDGs in the context of societal needs and three SDG pillars (transdisciplinarity)

**Educators**
Design and organisation of teaching in order to include SD

**After graduation**
Lack of skills in oral communication, project management, entrepreneurism, working with others, critical thinking
Ultimate Outputs

OceanTraining.eu Project
Toolbox for digital ocean education

Early January, 2023
First international conference on Blue Graduate training
Session on Sustainability in Ocean Education
Map Your Module to the 17 Sustainable Development Goals (SDGs)

Use this self-evaluation tool to examine the extend to which you are teaching the SDGs your modules.

**Directions:**

A - Look through the list of SDG in the table below and pick the SDG that most aligns with your module content.

Click on any of the goals to launch a detailed description in your browser which includes specific SDG Targets.

B - Enter a score between 0 to 5 in the blue shaded area of the table below where:

0 = no coverage

1 = indirectly or unknowingly including topics related to the SDG

2 = provides insight into the SDG from the perspective of one’s own discipline

3 = uses inter- or transdisciplinary approach to address at least one SDG Target

4 = assessment of SDG knowledge in relation to module and/or programme learning outcomes

5 = uses Action Oriented Pedagogies related to SDGs and/or Community Outreach

C - If other SDGs receive a secondary attention in your module, then score as in step B

D - View your spiky radar graphs below. The first graph displays all 17 SDGs while the second displays your top score in the three SDG pillars.

E - Lastly, consider questions in the reflection box below the graph.
Mapping Six Fundamental Modules

Marine Ecology

Quantitative Methods
Opportunities

- Oriented pedagogies to fulfil learning outcomes/Coverage of SDGs across the programme
  - Professional practices, research projects, assessments, etc.

- Opportunities for educators to increase their capacities to empower learners

- Inclusive and equitable quality education and promote lifelong learning opportunities for all

- Transdisciplinary studies and research, collaborations
Join us for:

Ocean Training

International conference in Ghent, Belgium on January 9-11\textsuperscript{th}, 2023