PBL4SDGs

Project-Based Learning for the Sustainable Development Goals

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EASG - HLPF 2025

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TIDE Research Group on Interactive and Distributed Technologies for Education

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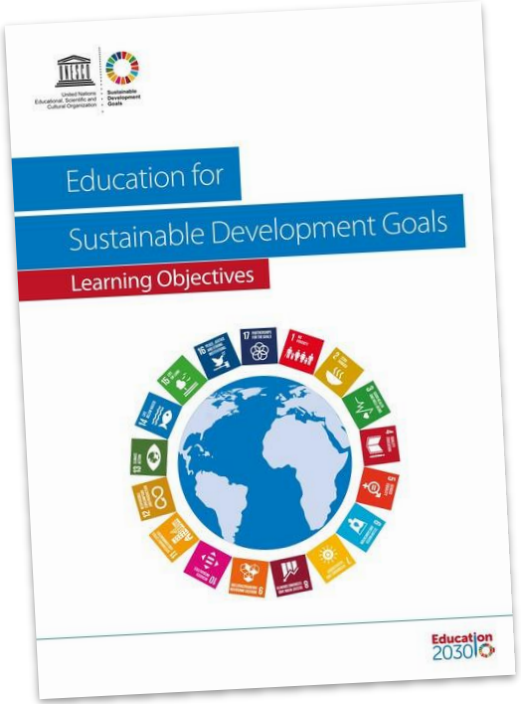
Education for Sustainable Development Goals: Learning Objectives (UNESCO, 2017)



"To create a more sustainable world and to engage with sustainability-related issues as described in the SDGs, ***individuals must become sustainability change-makers****. They require the knowledge, skills, values and attitudes that empower them to contribute to sustainable development. Education, therefore, is crucial for the achievement of sustainable development"*

"What ESD requires is ***a shift from teaching to learning****. It asks for an action-oriented, transformative pedagogy, which supports self-directed learning, participation and collaboration, problem-orientation, inter- and transdisciplinarity, and the linking of formal and non-formal learning".*

UNESCO (*Education for SDG*, 2017)

The core concepts of the initiative PBL4SDGs

UNESCO key competences for sustainability

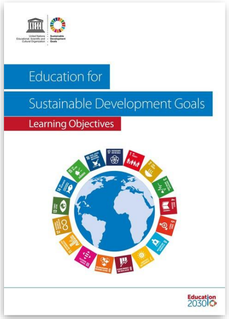
Sustainable Development Goals

Systems thinking competency

Strategic competency

Anticipatory competency

Critical thinking competency



Normative competency

Collaboration competency

Integrated problem-solving competency

Self-awareness competency

Gold Standard PBL

PBLworks

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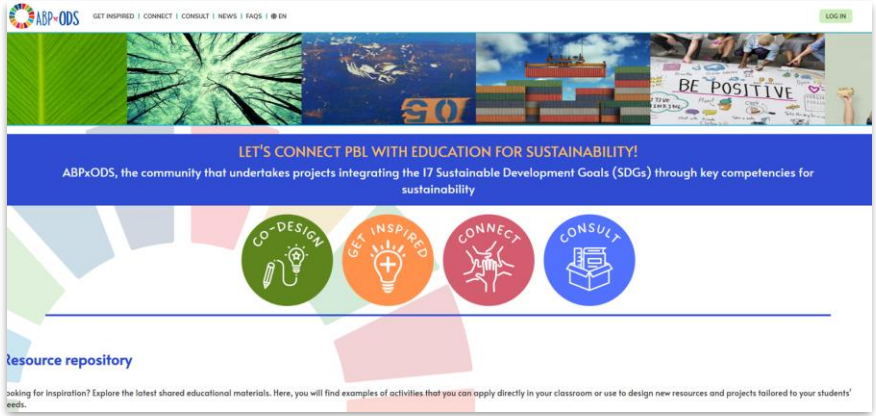
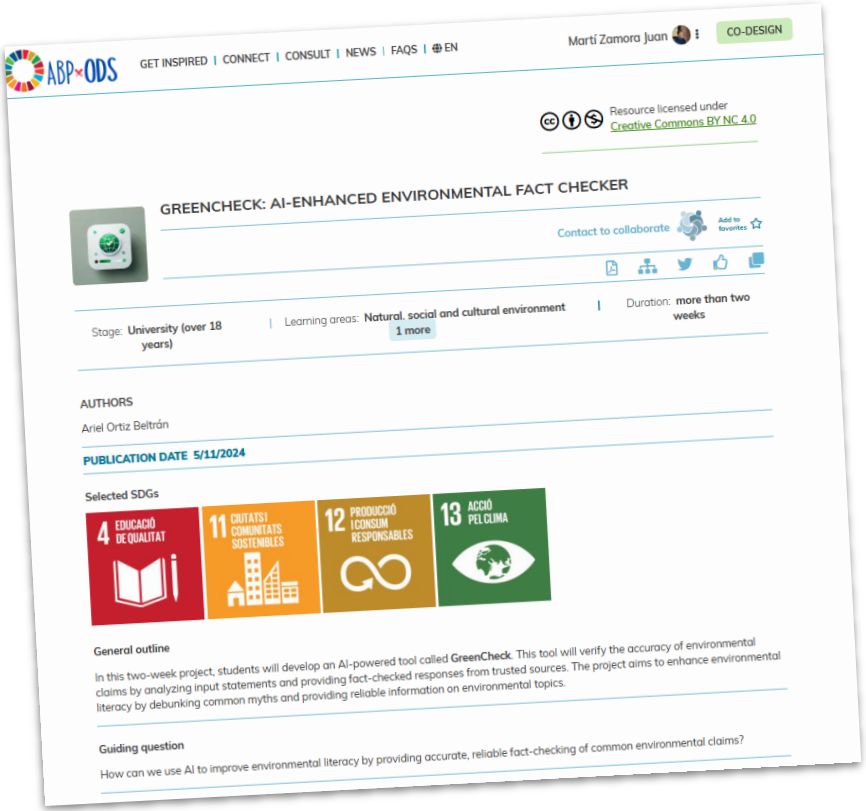
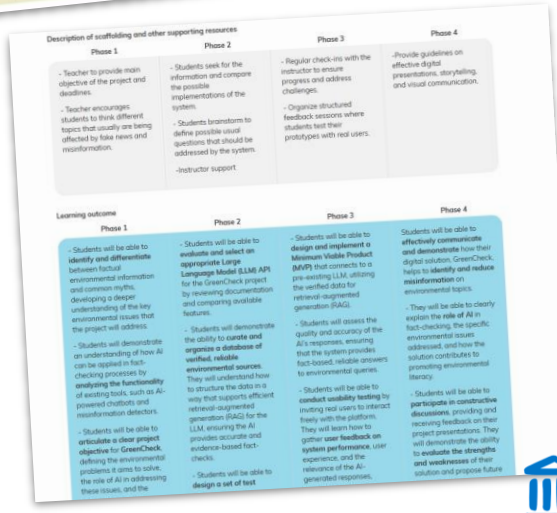
PBL4SDGs guide & online platform



Over **550 members** and **100 projects** uploaded!

PBL4SDGs guide & online platform





PBL4SDGs: Kick-off with the presentation of *Education for SDGs* (2018)

1. Presentation of the Catalan edition of *Education for SDGs*

2. Creation of the alliance CATESCO-UPF

3. First output: digital platform

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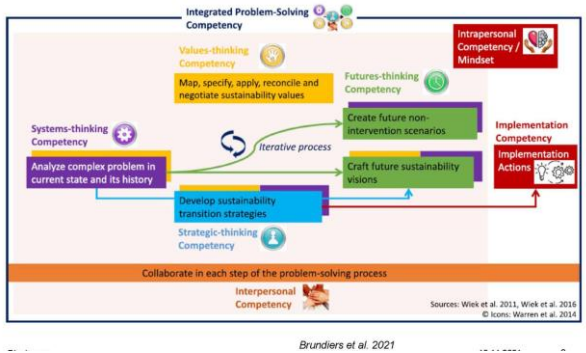
BUCK INSTITUTE FOR EDUCATION
PBLworks

Education 2030

PBL4SDGs: Working Group on the UNESCO's competencies for sustainability (2021-22)

1. Working Group with practitioners and academics
2. International workshop with Dr. Marco Rieckmann (main author, UNESCO *Education for the SDGs*) and Dr. Felisa Tibbits (Education for HR)
3. Output of the WG: PBL4SDGs Guide



Brundiers et al. 2021

PBL4SDGs: Development of the digital competence through PBL projects oriented towards sustainability (2023-24)

1. Recruitment of schools
2. Training, mentorship and peer-to-peer feedback
3. Presentation of the students' final work
4. Transfer to the rest of the school

PBL
UNESCO's competences for sustainability:
Digital competence

Initiative supported by European funds:
Provided mentorship to a cohort of **7 schools** and **20 teachers** in the design and development of their PBL projects, culminating in a **major final event** showcasing the students' work.

PBL4SDGs: Development of PBL projects oriented towards sustainability

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Gràcies!
Thank you!

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