





## **NEWSLETTER No. 3**

October 2025,

## **Project Name:** Circular Economy and Reverse Engineering Education for the Green Transition

GENERAL INFORMATION

Project acronym: CircleREdu

Type of the project: KA220-HED - Cooperation partnerships in higher education

Project number: 2024-1-PL01-KA220-HED-000254978

Number of partners: 4 project partners

**Budget: 400 000 EUR** 

**Project duration:** 01/12/2024 - 30/11/2027

### A conceptual map outlines the key ideas, relationships, and processes within a specific topic. It helps clarify complex subjects, supports structured thinking, and guides the design and implementation

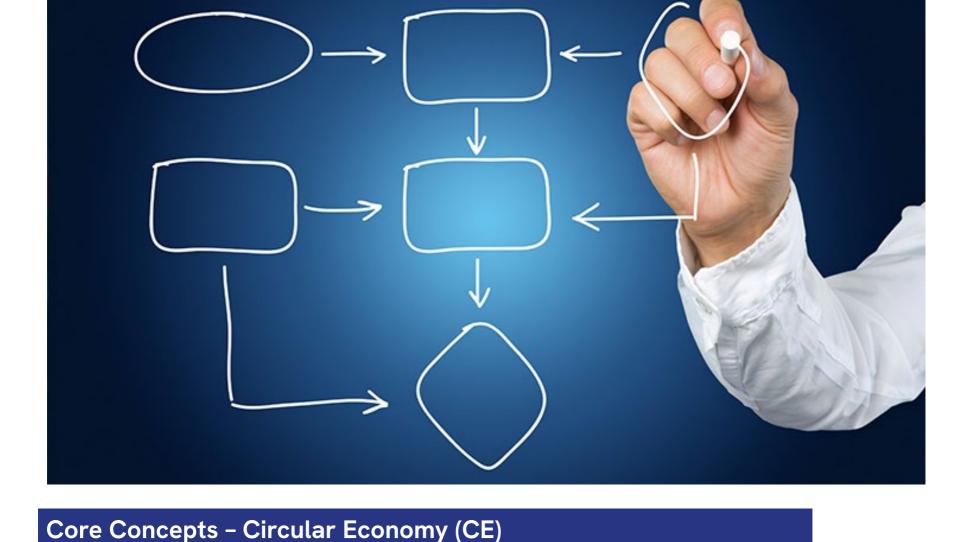
of activities - such as educational modules or strategic initiatives.

**Definition of Conceptual map** 

Key Features of Conceptual map

#### Structured Representation - organizes complex information around core ideas, showing how elements relate and interact.

- Focus on Key Concepts highlights essential terms, themes, and processes relevant to the topic or project. **Relationship-Oriented** - emphasizes the connections and dependencies between
- different components (e.g., skills, methods, outcomes). Goal-Directed - designed to support specific objectives - such as planning, teaching, or problem-solving.
- Flexible and Scalable adaptable to different levels of detail and complexity, suitable for both high-level overviews and in-depth analysis.
- **Support for Interdisciplinarity** integrates knowledge from multiple domains (e.g., engineering, sustainability, digital skills) to support comprehensive learning or strategy.



# Design out waste and pollution

Keep products and materials in use Regenerate natural systems

A regenerative economic model that aims to minimize waste and maximize resource value throughout

the product lifecycle.

**Key Principles:** 



## with real-case challenges. **Skill Application:** students tackle real industry issues. **Dissemination:** share tools, outcomes, and professional profile.

- **Conceptual Map Stakeholders** 
  - Target group acquiring RE-CE skills - Engage in problem-solving and real-world challenges

**Pilot Implementation:** deliver 110-hour course (direct training + self-study/group work)

**Industry Partners:** - Provide real-world cases and validation - Potential adopters of RE-CE solutions

**Higher Education Institutions (Educators):** 

- Adapt curricula for sustainability and innovation

- Deliver course and co-create content

**Students (Learners):** 

Module 2: Digital/technical skills for RE Module 3: Innovative Change Management in Manufacturing for green transition and RE **Module 4:** Solving real industrial challenges

**Conceptual Map - Modules** 

Module 1: Green Skills for CE

- **Conceptual Map Process** 
  - General objective Design train experts for

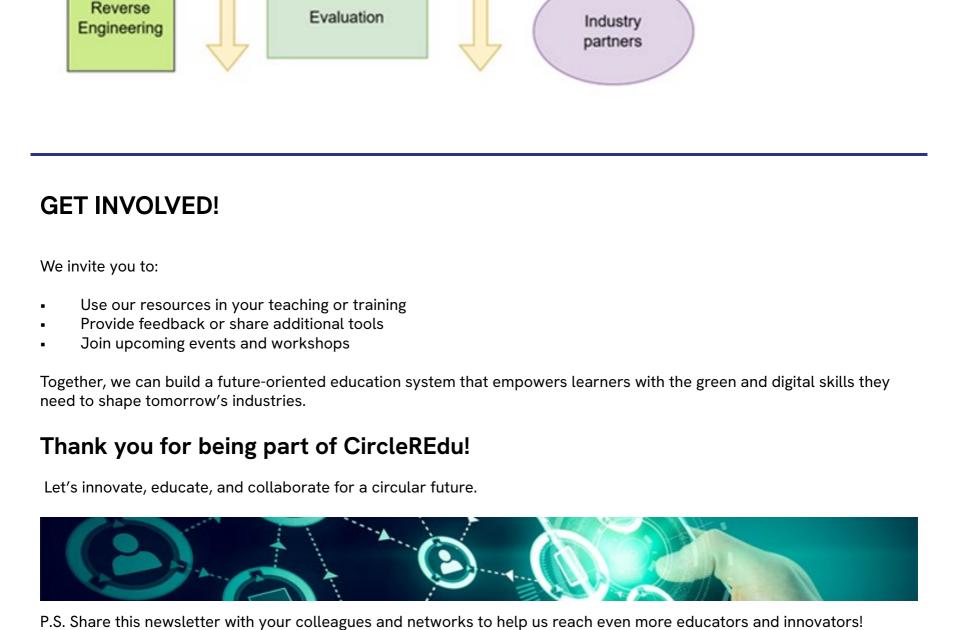
Development

Implementation

circular transition

Circular

Economy



Educators

Module1 Module 2

Module 3

Module 4

Learners

#### Bialystok University of Technology (Poland) - Project Coordinator Haaga-Helia University of Applied Sciences (Finland) Karlsruhe Institute of Technology KIT (Germany) Babes Bolyai University (Romania)

**PROJECT PARTNERS** 

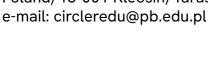
Politechnika

- PROJECT WEBSITE AND SOCIAL MEDIA ACCOUNTS
- www.circleredu.pb.edu.pl

Haaga-Helia







CONTACT

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