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## GENERAL INFORMATION

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

As part of the CircleREdu project, the project partners took part in a series of training sessions dedicated to the development of educational materials on the Moodle platform. The sessions were held on 29 January 2026, 22 February 2026, 5 March 2026, and 19 March 2026. The training was delivered by expert Przemysław Stencel, who supported participants in building practical skills related to designing modern, engaging, and digitally accessible e-learning courses.

The training programme covered both introductory and more advanced Moodle topics. Participants learned about the essentials of course setup, including user roles, enrolments, course creation, and the organisation of sections and topics. They also explored key Moodle activities such as Assignment, Quiz, Forum, Page/Book, and file resources. An important part of the training focused on both basic and advanced features of the Gradebook, including grading categories, scales, and reporting tools.

Special attention was also given to the creation of digitally accessible learning materials. The partners gained knowledge on the proper use of heading structures, alternative text, colour contrast, subtitles and captions, as well as accessibility principles for PDF, DOCX, and presentation files. The sessions also included good practices in test and quiz design, effective question bank management, and the use of H5P and SCORM packages in Moodle. In addition, the training addressed accessibility-oriented course design, including course templates, content patterns, videos with captions, and transcripts.

**Following this phase of capacity building, the CircleREdu partners are now beginning the development of project courses within four thematic modules.**

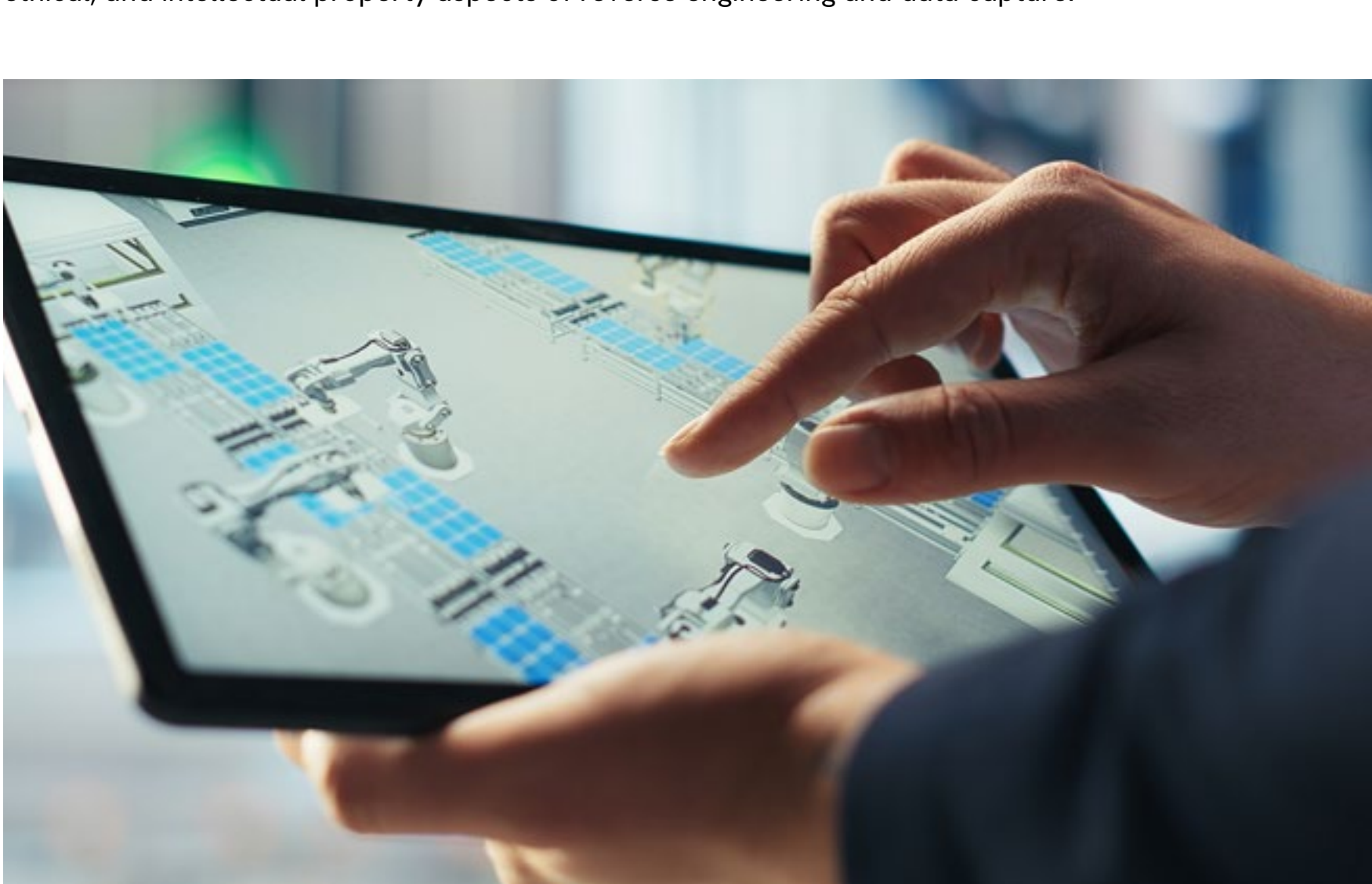
## MODULE 1

Green Skills for CE will focus on building knowledge of the circular economy and the possibilities of implementing its principles in industry and services. Participants will also develop skills in applying a selected LCA method and the ability to take environmental issues into account in business activities.



## MODULE 2

Digital/Technical Skills for RE will address topics related to reverse engineering, geometry digitalisation using laser scanning, RGB-D, and photogrammetry, as well as preparing data for CAD/AM workflows. Participants will also gain knowledge of the basic principles of computer vision and artificial intelligence in part detection and analysis. The module will help learners develop the ability to reconstruct parametric CAD models from images and point clouds, while also raising awareness of the legal, ethical, and intellectual property aspects of reverse engineering and data capture.



## MODULE 3

Innovative Change Management in Manufacturing for Green Transition and RE will focus on innovative change management in the context of green transition in manufacturing. Participants will deepen their understanding of the links between green transition, circular economy, reverse engineering, and information technologies across industries. The module will also strengthen practical skills through case studies and the use of digital tools and data to support sustainable practices and innovation in manufacturing.



## MODULE 4

Solving Real Industrial Challenges will concentrate on addressing real industrial problems through the integration of green skills, digital and technical competences, and change management approaches. Participants will develop the ability to apply engineering methodology to analyse, and redesign mechanical components or systems, with a strong emphasis on sustainability, performance improvement, and circular economy principles. The module will also encourage critical reflection on the problem-solving process and support the transfer of competencies to future industrial and green transition contexts.



Thanks to the training completed so far, the CircleREdu partners are now well prepared to develop high-quality educational courses that will be academically valuable, practically oriented, innovative, and accessible to a wide range of learners.

## GET INVOLVED!

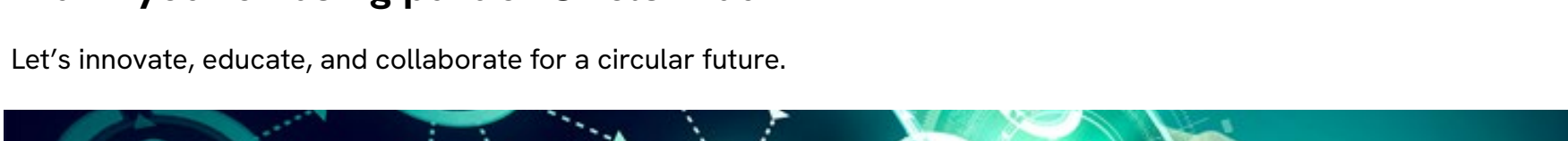
We invite you to:

- Use our resources in your teaching or training
- Provide feedback or share additional tools
- Join upcoming events and workshops

Together, we can build a future-oriented education system that empowers learners with the green and digital skills they need to shape tomorrow's industries.

**Thank you for being part of CircleREdu!**

Let's innovate, educate, and collaborate for a circular future.



P.S. Share this newsletter with your colleagues and networks to help us reach even more educators and innovators!

## PROJECT PARTNERS

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



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