CHALLENGING
CONVENTIONAL
THINKING

ECIU University

Eine Vision für Lernende, Werte und Prioritäten in Europa

Dr. Andrea Brose, ECIU University, TUHH 2023-03-30

1 ECIU & ECIU University

2 Education@ECIU University

3 ECIU’s Challenge-Based Learning

4 Microcredentials

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ECIU & ECIU University

UNIVERSITY OF TWENTE.

UNIVERSITY OF TRENTO

ktu kaunas university of technology 1922

UAB Universitat Autònoma de Barcelona

GROUPE INSA

University of Stavanger

LINKÖPING UNIVERSITY

universidade de aveiro theoria poiesis praxis

TUHH Hamburg University of Technology

DCU Ollscoil Chathair Bhaile Átha Cliath Dublin City University

Tampere University

AALBORG UNIVERSITET

Lodz University of Technology

Tecnológico de Monterrey

ECIU Network
Uniting Over

298,000
STUDENTS

46,688
STAFF incl. 27,182 Academic Staff/Researchers

489
RESEARCH GROUPS

147
FACILITIES

ECIU
Members

University of Twente (The Netherlands)
Aalborg University (Denmark)
Dublin City University (Ireland)
Hamburg University of Technology (Germany)
Kaunas University of Technology (Lithuania)
Linköping University (Sweden)
Tampere University (Finland)
Universitat Autònoma de Barcelona (Spain)
University of Aveiro (Portugal)
University of Stavanger (Norway)
University of Trento (Italy)
Institut National des Sciences Appliquées (France)
Łódź University of Technology (Poland)
TEC de Monterrey (Mexico)

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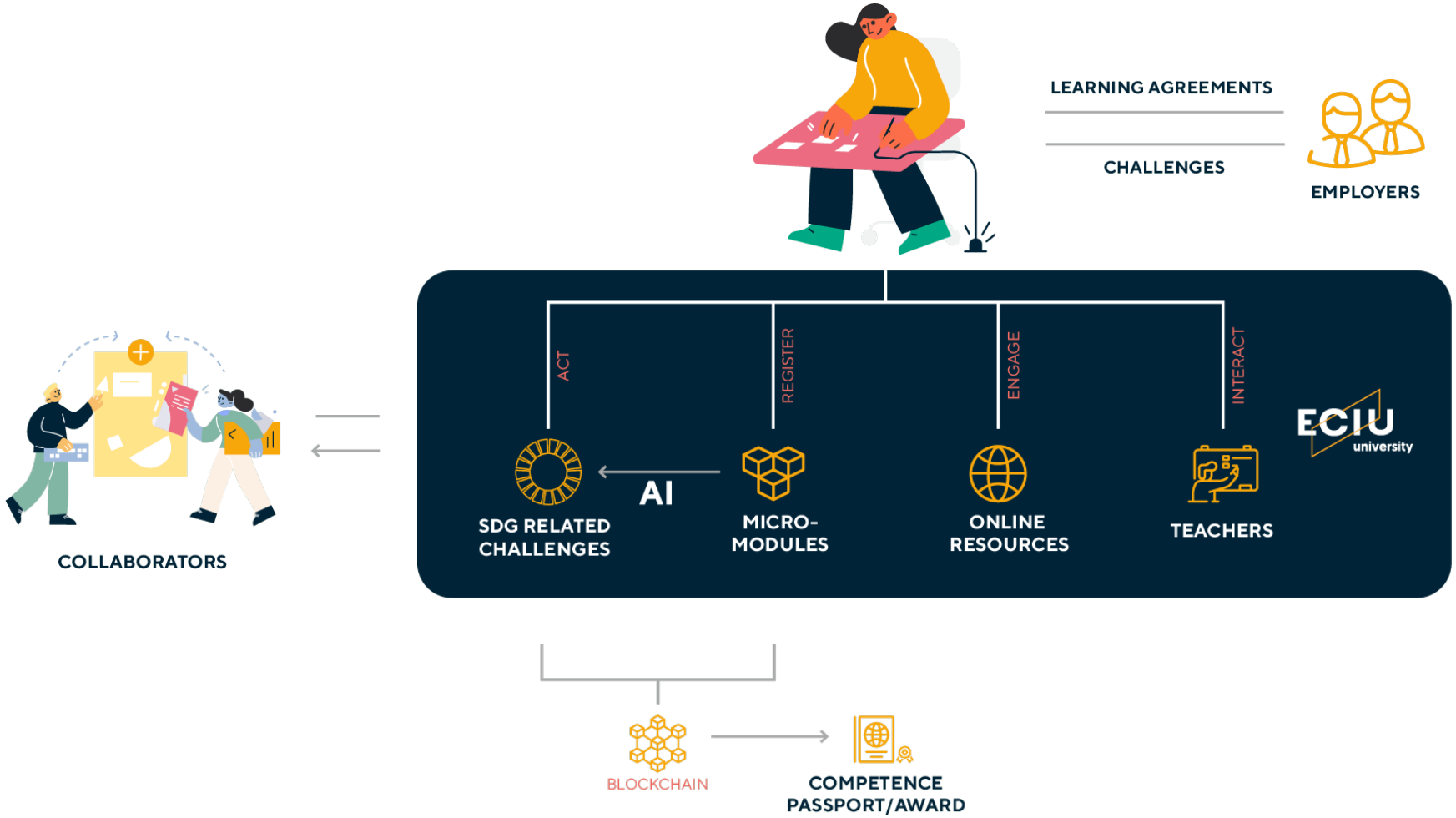
Education @ ECIU University

ECIU University Architecture for Flexible Learning Pathways

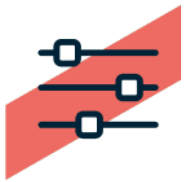


KEY ELEMENTS OF THE EDUCATIONAL PATHWAY

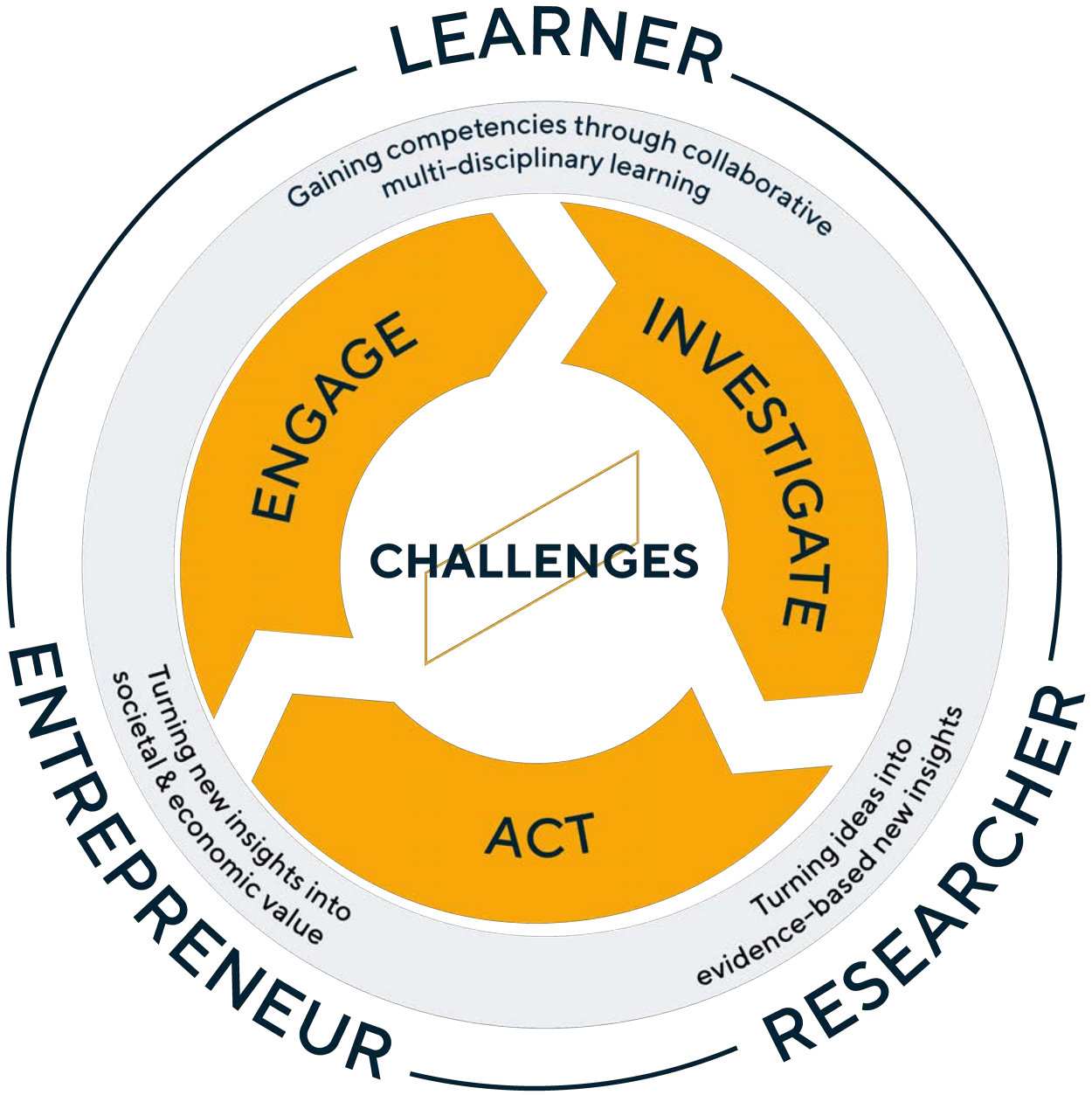
Stackable, credit-bearing and quality assured micro-credentials

Platform solutions for the storage, sharing and portability of micro-credentials

An open co-creation model and challenge-based learning approach



Skills and competence recognition



ECIU's Challenge-Based Approach

Connecting
- Education
- Research and
- Innovation

through flexible learning pathways for students and continuous learners

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ECIU's Challenge-Based Learning

CHALLENGE-BASED LEARNING (CBL)

A pedagogical approach that actively engages learners in a situation that is **real**, **relevant** and **related** to their environment.

It takes place through the identification, analysis and design of a solution.

The learning experience is typically:

- Multidisciplinary
- Involves different stakeholder perspectives
- Aims to find a collaboratively developed solutions

Learners
Take Ownership

- define their own challenges
- take over responsibility for team composition
- acquire the necessary knowledge and skills to solve this challenge

Teacher as a
Guide and Facilitator

- promoting team culture
- being challenging
- help students to manage the tasks
- enable students to move towards innovative thinking

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Microcredentials

Micro**credentials** in the EU

A record of the learning outcomes that a learner has acquired following a small volume of learning which have been assessed against transparent and clearly defined criteria.

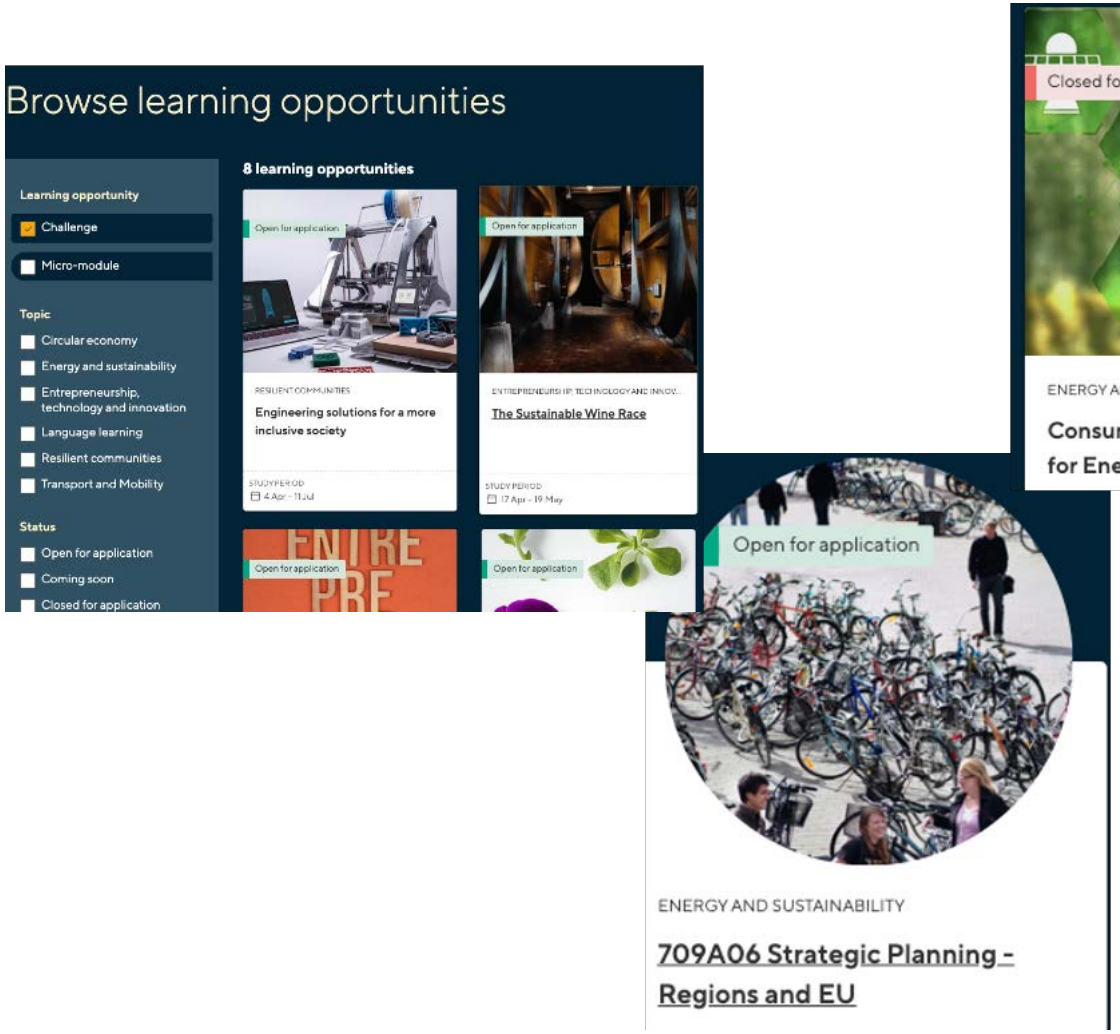
-- EU commission

Micro**modules** @ ECIU

EU + ECIU Characteristics:

- Provided by an accredited institution or program (via ECIU network)
- 1-3 ECTS (or unbundled from a larger module)
- Currently mostly master's level, but bachelor's level being added
- Priority for online provision, offline possible

Broad Range of ECIU Learning Opportunities Leading to Digital Credentials



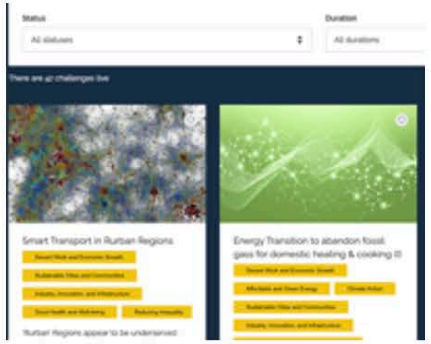
Current offers include

- Challenges
- Micro-modules

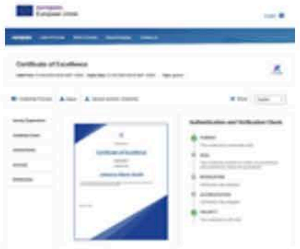
https://engage.eciu.eu/browse

Digital Credentials for all Learning Opportunities

ECIU micro-modules



ECIU challenges



Issuing digital credential to each learner's email address after successful completion

Learners store digital credentials in their own EDC wallet

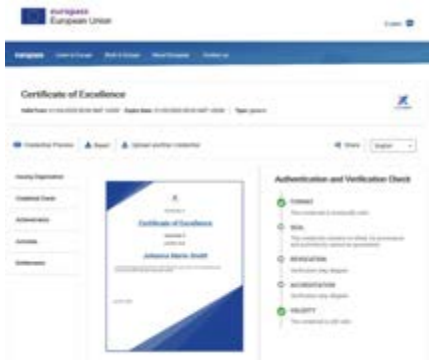
And

Get an overview of the received micro-credentials and visualizations of their competences in DXP user profile / Competence passport

Several Microcredential platforms available

- Forgery-proof, verifiable, awarded to the learner and stored in learner-owned digital profile
- ECIU University using Certificates of successful participation as an intermediate solution
- Low understanding about available platforms and their features, EDC (Europass) becoming the European standard

Kiiskilä, P., Hanafy, A., & Pirkkalainen, H. (2022). Features of Micro-credential Platforms in Higher Education. In CSEDU (1) (pp. 81-91).



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PAVING THE ROAD FOR THE MICRO-CREDENTIALS MOVEMENT

ECIU UNIVERSITY WHITE PAPER ON MICRO-CREDENTIALS

ECIU's European Position Paper on MC:

1st

Towards a European Microcredentials Initiative (April 2020)

2nd

Paving the road for the Microcredentials Movement (Januar 2021)

3rd

Microcredentials: A Vision for Learners, Values and Priorities

https://www.eciu.eu/eu-affairs#engagement