

CHALLENGING
CONVENTIONAL
THINKING



Flexible learning and micro-credentials

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"Bologna hub" event on Micro-credentials

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ECIU UNIVERSITY

The mission of the alliance for 2025 is to establish the ECIU University, a true pan-European university where learners, researchers, business, public organizations and citizens are enabled to co-create relevant innovative solutions for challenges to the advancement of society.

ECIU University:

- adopts a challenge-based approach cross-cutting activities in Education, Research and Innovation
- where scientists, learners, business and citizens together identify societal challenges,
- educational offer flexible, inclusive and recognized pathways open to any motivated learner
- *seeking to push the large-scale adoption and recognition of micro-credentials forward*



<https://www.eciu.org/eciu-university>

Broad range of learning offerings leading to micro-credentials

- **Micro-credentials – definition by the EU**
 - "A micro-credential is a proof of the learning outcomes that a learner has acquired following a short, transparently-assessed learning experience. They are awarded upon the completion of short stand-alone courses (or modules) done on-site or online (or in a blended format)"
- **Piloting with Challenge-based learning activities**
 - ECIU Challenges that may or may not attach with existing study programs (may carry credits)
 - Range from short events / hackathons (nano challenges) to weeks of international project work in teams (e.g., standard challenges)
- **Piloting with Micro-modules**
 - Recommending well-fitting additional learning opportunities for learners in ECIU challenges
 - SDG11- and language-learning related modules
 - Includes assessment of the learning outcomes
 - Preference for short 1-3 ECTS modules in online setting

Piloting with digital credentials as proofs of learner performance (e.g., competences they have developed) to a learner-owned digital profile

Coming soon

Carbon-intensive regions in transition

The Midlands must seek to pivot from reliance on fossil fuel energy production to greener renewable energy production using the existing energy infrastructure and converting to modern and future energy use.

SUSTAINABLE CITIES AND COMMUNITIES, CLIMATE ACTION, AFFORDABLE AND CLEAN ENERGY

Coming soon

Making public space usable

Population and production growth have resulted in a demand for higher capacities of urban transportation systems. Today, traffic is the number one occupier of public space in Hamburg. That has led to unsatisfactory...

GOOD HEALTH AND WELL-BEING, INDUSTRY, INNOVATION, AND INFRASTRUCTURE, SUSTAINABLE CITIES AND COMMUNITIES, CLIMATE ACTION

Closed for application

User eXperience Challenge

A two day Design Sprint during which you will analyze, evaluate and re-design the User eXperience of digital products and services brought by Italian companies. Students and recent graduates will form groups and work...

INDUSTRY, INNOVATION, AND INFRASTRUCTURE, SUSTAINABLE CITIES AND COMMUNITIES

Closed for application

Mussels as an environmental mitigation tool

Eutrophication related to industry, agriculture, sewage and natural run-off has long been a problem for the Baltic Sea resulting in algal blooms and the build-up of anaerobic dead zones. Long-line mussel...

CLEAN WATER AND SANITATION, LIFE BELOW WATER, INDUSTRY, INNOVATION, AND INFRASTRUCTURE, CLIMATE ACTION

Micro-modules

- *"A **micro-module** is a short learning experience that is formally assessed and supports learners to fill their knowledge gaps and boost their capabilities in order to successfully engage in ECIU University challenge-based activities."*

Characteristics (2021-2022):

- Provided by an accredited institution program (currently via ECIU network)
- Preferably **1-3 ECTS** (or unbundled from a larger module)
- Is preferably master's level, but can be also bachelor's level
- Preferably addresses specific and limited set of learning outcomes
- Is of one of the following types: 1) SDG11, 2) Language learning, 3) alignment with ECIU Challenges
- Priority for **online** provision
- Provided in **English**

Choose a micro-module that intrigues you

Tag University Status ECTS

Search for projects by keyword **SEARCH**

There are 86 micromodules live [View archived micro-modules](#)

Open for application 1 ECTS

Games, gamification, serious games and accessibility - ACC.120

The thematic module focuses on visual accessibility in games and VR experiences. It briefly introduces basics of visual accessibility, and some of the needs of individuals with different visual needs. Nex...

Open for application 1 ECTS

Haptics and gestures (gesture-based interfaces) - ACC.130

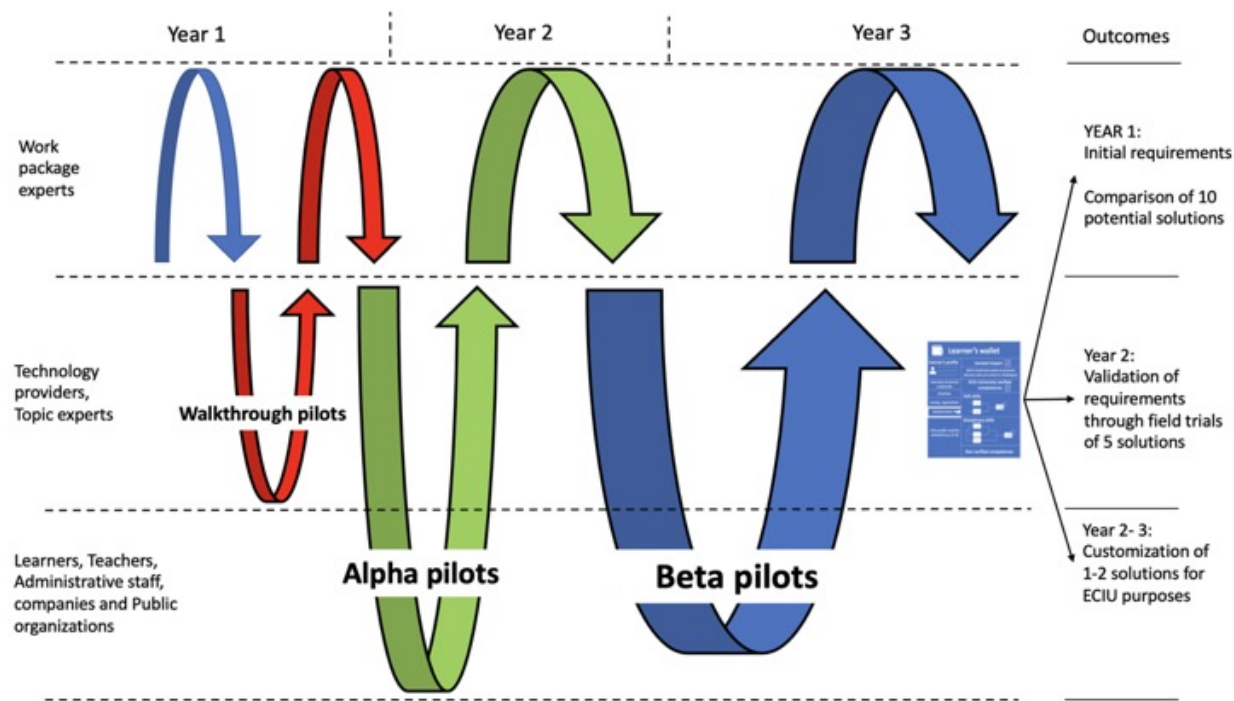
Technology overall, provides a safe, controlled, predictable environment for individuals with developmental disabilities, and using gestures and haptic interaction allows input mechanisms that do not rely o...

Open for application 6 ECTS

Innovative Production Technologies - T130M023

The students are taught to know the modern manufacturing methods of mechatronic systems and apply them in high tech enterprises. They are taught to understand the newest tendencies in the...

Approach for piloting micro-credential platforms



Advancing the management of Digital Credentials in three stages:

Walkthrough pilots (2019-2022, First result: 10 platforms selected to Alpha pilots):

Alpha pilots (2020-2021): Alpha pilots compare 5 potential platforms to facilitate ECIU University Micro-Credentials

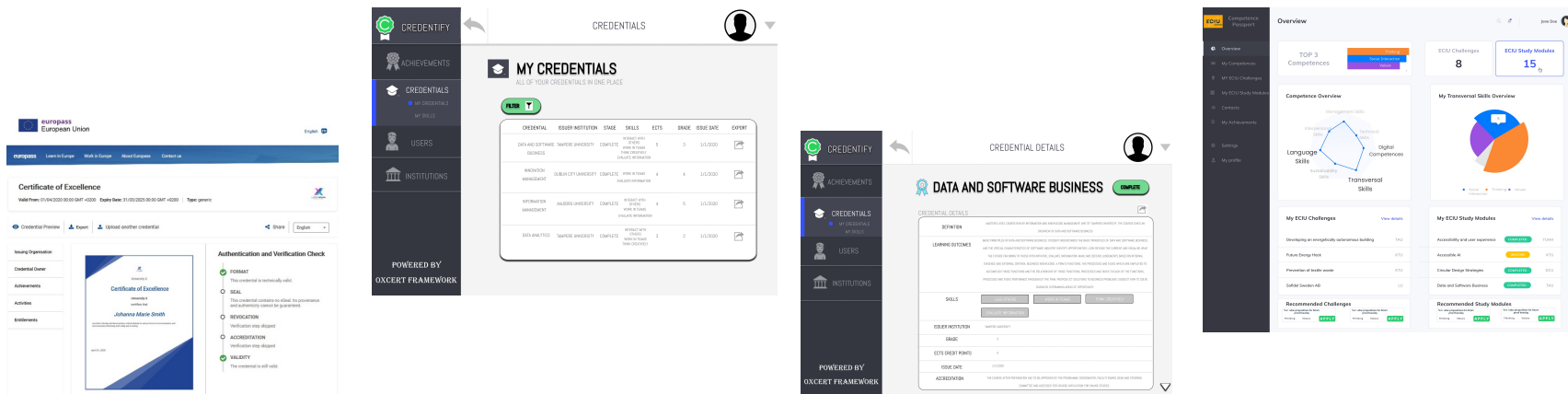
Beta pilots (2021-2022):

- Customizing Europass and Credentify to build a Competence Passport Proof-of-concept
- Piloting the competence passport with ECIU digital credentials from selected ECIU challenges and related micro-modules

ECIU University recognises that platforms are evolving at a rapid pace which requires a dynamic iterative approach as we pilot, respond to and seek to influence the future development roadmap. Therefore, throughout 2021 we will develop an IT strategy on how to support ECIU University with the use of cutting edge and fit for purpose digital tools.

Micro-credentials management

- Forgery-proof, verifiable, awarded to the learner and stored in learner-owned digital profile
- ECIU University Certificates of successful participation as an intermediate solution
- Competence passport Proof-of-Concept? Capturing competences to showcase competence development (Stacking) from ECIU challenges and study modules



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PAVING THE ROAD FOR THE MICRO-CREDENTIALS MOVEMENT

ECIU UNIVERSITY WHITE PAPER ON MICRO-CREDENTIALS

Access our Micro-Credential white paper:
<https://www.eciu.org/news/paving-the-road-for-the-micro-credentials-movement>

**DEFINITIONS AND
STANDARDS**

**QUALITY
ASSURANCE**

**CREDITS AND
RECOGNITION**

**STORAGE, PORTABILITY
AND PLATFORMS**

**SUCCESSFUL
UPTAKE**



Thank you!



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