



MicroHE: What we have learned about Microcredentials



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Getting the Terminology Right

a **credential** is a documented statement made about a person (by another person)

Getting the Terminology Right

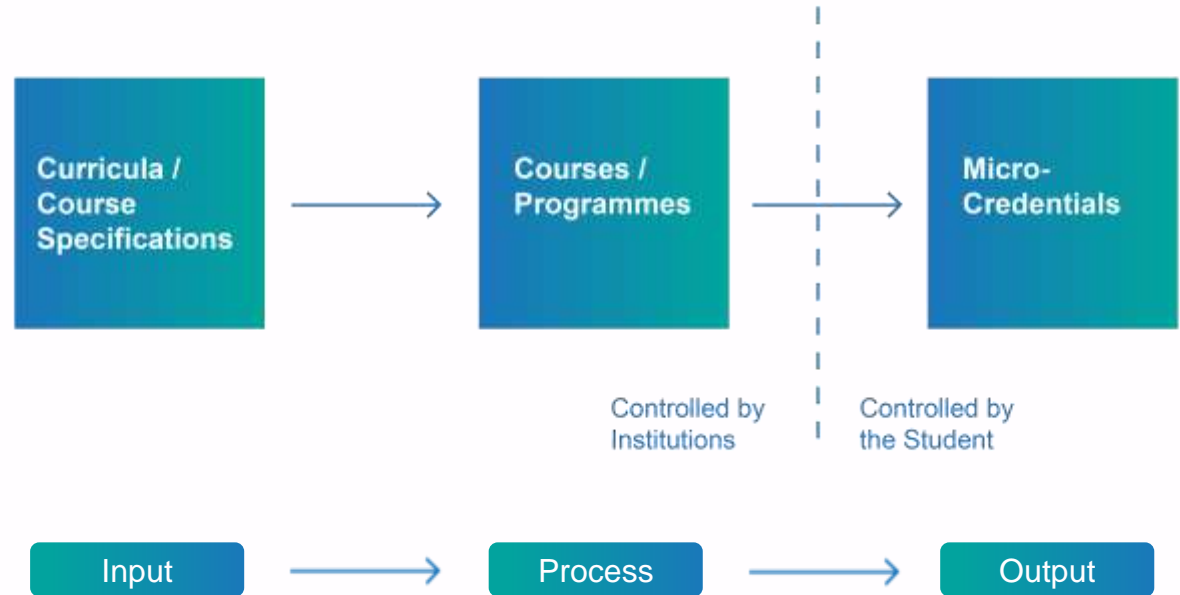
a **learning credential** is
a documented statement
made about a **person's learning**
(by another person)

Getting the Terminology Right

a **micro-credential**
is a subunit of a credential

Micro-Credentials instantiate learning which has happened at the end of a learning lifecycle

Getting the Terminology Right



Defining microcredentials

A system of interoperable building blocks

Key Features of Micro Credentials



Modular



Stackable



Portable



Digital



Universal

Key Features of Micro Credentials



Modular



made up of distinct units

- Open Access
- Standardised Unit of Measure
 - credit system
 - expressed as learning outcomes
- Small
 - (10 ECTS-equivalents max?)

ECTS-equivalent = approx. 10 hours of teaching, and 15 hours of self-motivated study

Key Features of Micro Credentials



Stackable



Combining vs Stacking



Key Features of Micro Credentials



Stackable



Can be combined to create larger credentials

- Standardised
 - Credit system should express credit values
- Not *Too Small*
 - (1 ECTS equivalent min?)

ECTS-equivalent = approx. 10 hours of teaching, and 15 hours of self-motivated study

Key Features of Micro Credentials



Portable



student-held and transferred

- Recognised by Different Institutions
 - To give access
 - To stack across institutions



content is
quality assured

envelope is
secured



Digital



Key Features of Micro Credentials

Assuming:

1000 Universities

50 Courses per Uni

Gives:

50000 micro-credentials

2 sextillion possible combinations!
(of 5-credential packages)

Key Features of Micro Credentials



Digital



Micro-Credentials are Digital Documents:

- Earned in **any mode** but
 - Awarded digitally
 - Stacked digitally
 - Recognised digitally

Key Features of Micro Credentials



Universal



Micro-Credentials are Digital Documents

- Earned in **any mode** but
 - Awarded digitally
 - Stacked digitally
 - Recognised digitally

Key Features of Micro Credentials



Universal



useful in any formal or non-formal learning

- Applicable in Higher Education, VET, private training, continuing education)
- Can be used to create bridges between different learning contexts

Components of Our Project



Understanding
prevalence



Technology
standards



Technology
demonstrator



Forecasting

Understanding Prevalence

HE Institutions Lack Understanding of Micro-Credentials



- Institutions are lacking practical already existing examples of Short Learning Programmes & Micro-Credentials
- Institutional chain of command missing for SLPs/Micro-Credentials (e.g. roles are unclear)
- Business model is missing and considerable share without plans to develop one

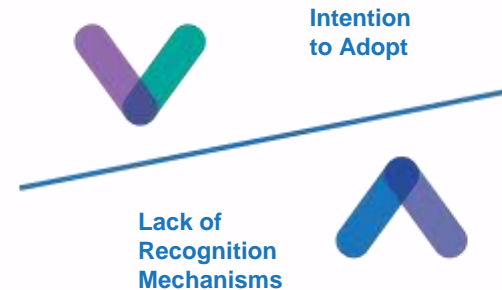
Understanding Prevalence

Recognition mechanisms enable Micro-Credential adoption

Our study indicated that recognition mechanisms lead to increased intention to adopt Micro-Credentials

"...MCs need to be easily accredited by accreditation agencies."

"...MCs need to be compatible with national/European qualifications frameworks."



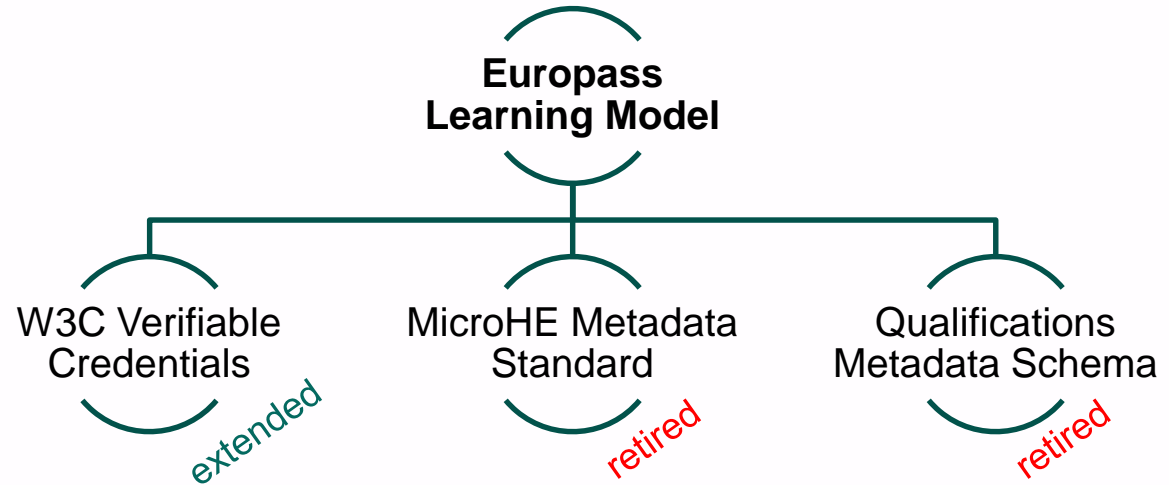
MicroHE Metadata Standard

Main Innovations



- Qualifications, Modules and Micro-Credentials to be expressed with same vocabulary across all levels of education
- Captures Formal, Non-Formal learning using same vocabulary
- Allows for credentials of different types from different providers to be bundled into larger credentials

Evolution of Standards



Technology Demonstrator



ABOUT

SCIENCE

BLOCKCHAIN

CASE STUDIES

GET STARTED

The first European issuer of blockchain-secured stackable ECTS credentials that are university and student owned, and verifiable anywhere, anytime.

GET STARTED

GET IN TOUCH

Technology Demonstrator

'Self-Sovereign' model for managing MCs



- Allows user to collect micro-credentials from different institutions in the network and save them in the same wallet
- Allows user to collect a batch of credentials and request a new credential on the basis of them from any institution within the network
- Credentials stored on the blockchain

credentify.eu

Forecasting Key Drivers for Transformation

Flexible and Personalized offerings



New Learner Paradigms

Resolving skill Mismatch



Synergies between HEIs and Employers

Demonstrating granular competence

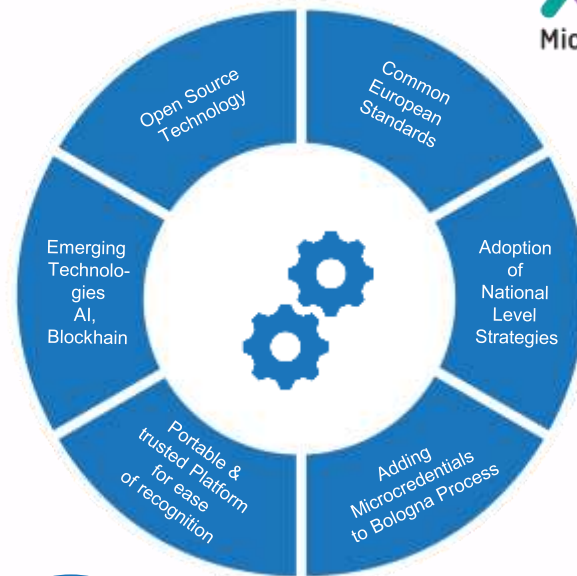


Redefining Recognition

Improved quick cycle education access to the disadvantaged



Societal Impact



**Drivers Facilitating
Microcredential Adoption**

Forecasting Impacts of Microcredentials

THANK YOU FOR YOUR ATTENTION

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You can download this presentation at:
<https://www.microcredentials.eu>