



## 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)



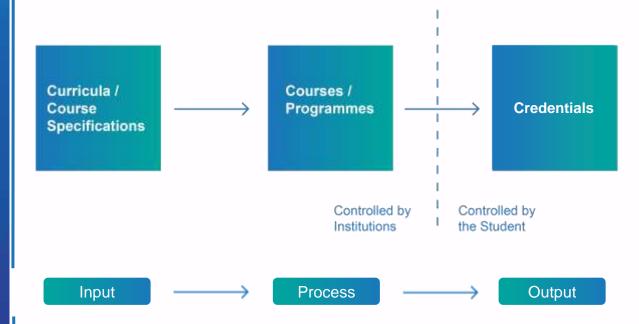
## Getting the Terminology Right

### 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



### Micro Credentials are gaining prominence





Mariya Gabriel @ @Gabriel Mariya · May 26

citizens should be able to gain skills at any stage of their #careers.

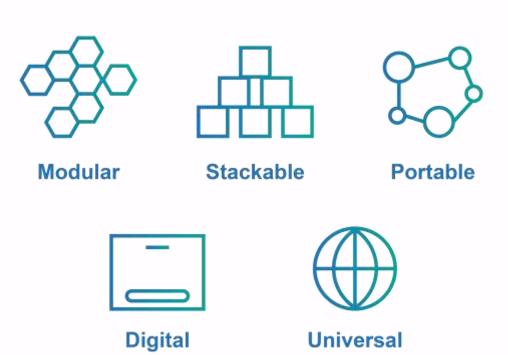
We support higher #education institutions in offering micro-credentials flexible & modular short #learning courses.

Today, we launch our 1st consultation group on this topic!



YUFE and 8 others

















### 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** 

























### Can be combined to create larger credentials

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







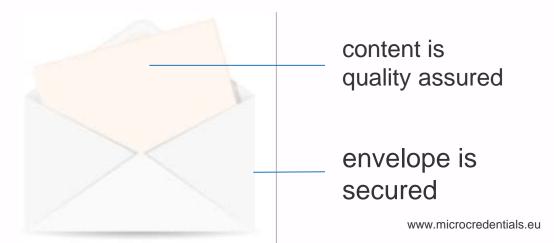






#### student-held and transferred

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











Digital





#### **Assuming:**

**1000** Universities

50 Courses per Uni

#### **Gives:**

**50000** micro-credentials

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













Digital

### **Micro-Credentials are Digital Documents:**

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













### **Micro-Credentials are Digital Documents**

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















### 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



### Micro-Credentials in Higher Ed

Higher Education is already in the business of Micro-Credentials (as part of qualifications)





NanoDegrees

Short Learning Programmes

## Results of Unbundling

#### **Short Learning Programmes**

- 1. Short, between 5 to 30 ECTS, average: 10-20 ECTS
- 2. Focus is on academic skills/programmes/competence
- 3. Offered mainly online; face-to-face only optional or if intrinsic part of the programme
- 4. Exams are taken by offering universities
- Must be accredited, level (for example, BA/MA) needs to be mentioned









## Results of Unbundling

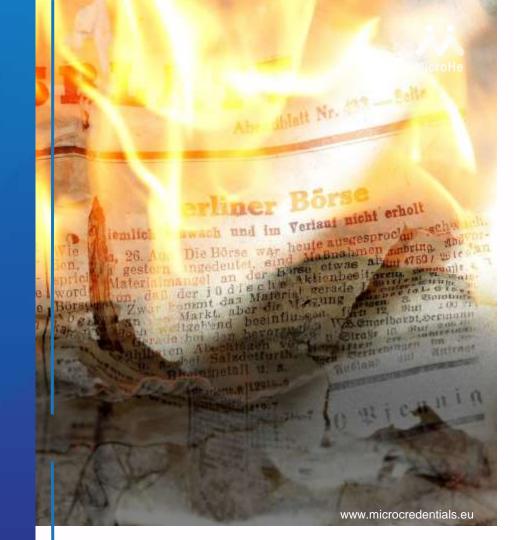
### MOU on SLPs signed by:

UniDistance, Switzerland, Università Telematica Internazionale UNINETTUNO, Italy, The Open University of The Netherlands, Open University of Cyprus, Universitat Oberta de Catalunya, Hellenic Open University, Greece, Open University of the University of Jyväskylä, Finland, Universidade Aberta, Portugal, Universidad Nacional de Educación a Distancia, Spain, Fernuniversität in Hagen, Germany, Open University, United Kingdom, University of Ljubljana, Slovenia



**Digital Credentials** 

The Case against Paper





Initiating and Planning Projects
Budgeting and Scheduling

Managing Project Risks and Changes

Projects

Project Management Project



01/24/2017

#### ILDIKÓ MÁZÁR

has successfully completed the online, non-credit Specialization

### Introduction to Project Management Principles and Practices

A 4-course, on-demand Specialization authorized by University of California, Irvine Extension, and offered through Coursera. Mayor & Mahi)

Margaret Meloni, PMP, MBA

Verify this certificate at: coursers.org/verify/specialization/WRM92TAU97BL



4 Courses

Initiating and Planning Projects

Budgeting and Scheduling Projects

Managing Project Risks and Changes

Project Management Project



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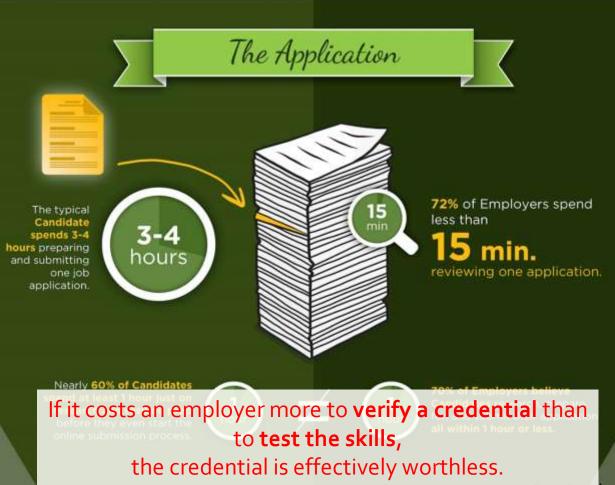
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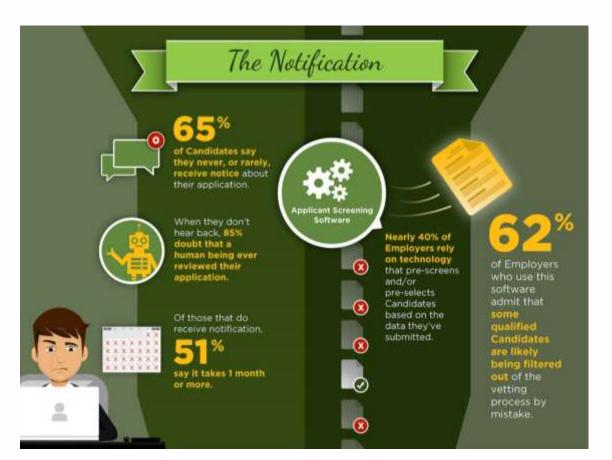
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## Complicated Credentials are devalued



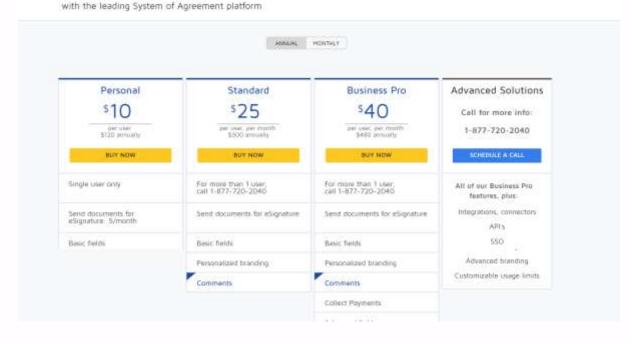
ource, career Arc

### Lack of Standards leads to Exclusion



### Signing Intermediaries charge rent

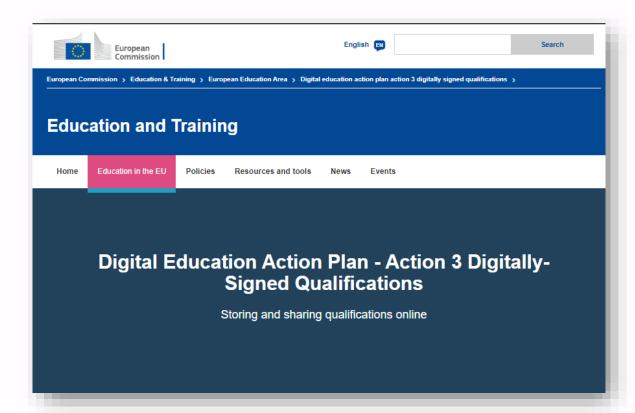




### Paper Credentials

- expensive and time consuming to acquire
- hard to use and share
- hinder Open Education by failing to evidence flexible learning pathways in a transparent manner
- exclude the people who need them most
- can be abused by networks of intermediaries
- do not inform policy

### Policy Initiatives #1



### Policy Initiatives #2

#### 9. Common European skills data space

The skills of its people are Europe's strongest asset. In a global race for talent, the European education and training systems and labour markets need to quickly adapt to new and emerging skills needs. This requires high-quality data on qualifications, learning opportunities, jobs and the skill sets of people. Over the past years, the Commission has put in place a range of open standards, reference frameworks and semantic assets to increase data quality and interoperability<sup>70</sup>. As announced in the Digital Education Action Plan<sup>71</sup>, the Commission also developed the Europass Digital Credentials framework to issue credentials to learners in a secure and interoperable digital format.

#### The Commission will:

- Support Member States in the development of digital credential transformation plans and in the preparation of re-usable data-sets of qualifications and learning opportunities (2020-2022);
- Establish a governance model for the on-going management of the Europass Digital Credentials Framework in close cooperation with Member States and key stakeholders (by 2022).



### MicroHE Components of Our Project



Understanding prevalence



Technology standards

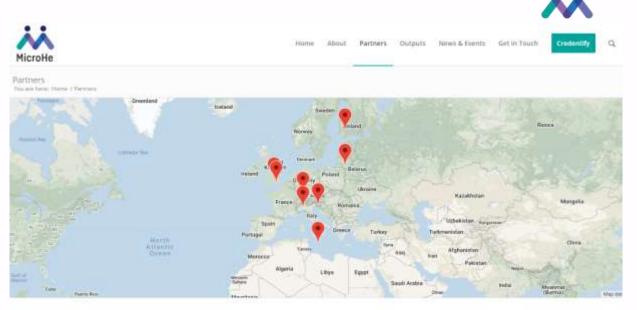


Technology demonstrator



**Forecasting** 

### **Our Partners**























### **Understanding Prevalence**

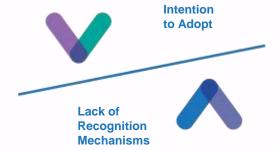
- Institutions are lacking practical already existing examples of Short Learning Programmes & Micro-Credentials
- Institutional chain of command missing for SLPs/Micro-Credentials (e.g. roles are unclear)
- Business model is missing and considerable share without plans to develop one



### **Understanding Prevalence**

### Recognition mechanisms enable Micro-Credential adoption

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



<sup>&</sup>quot;...MCs need to be easily accredited by accredition agencies."

<sup>&</sup>quot;...MCs need to be compatible with national/European qualifications frameworks."



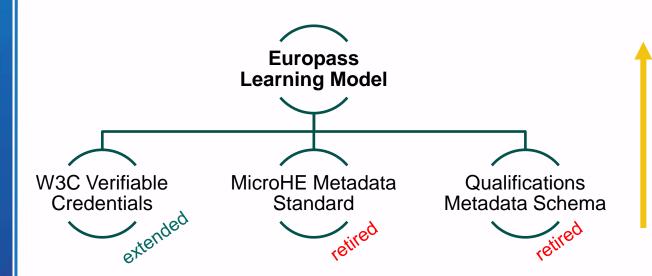
### Technology Standards

### 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**



### 'Self-Sovereign' model for managing MCs



### **Technology Demonstrator**

- 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



Redefining Recognition

Resolving skill Mismatch



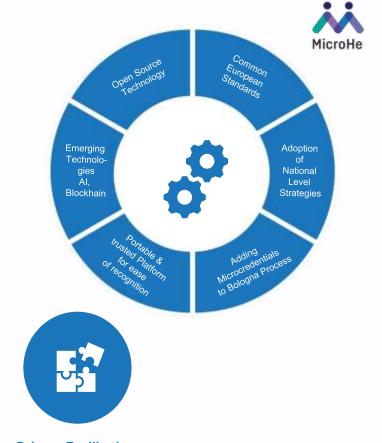
Synergies between HEIs and Employers





**Societal Impact** 

Forecasting
Impacts of
Micro-credentials



**Drivers Facilitating Microcredential Adoption** 

### THANK YOU FOR YOUR ATTENTION

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You can download this presentation at:

https://www.microcredentials.eu