

T-Hap Infusion Workshop

NTT DATA

European Digital Credentials: Join the Digital Transition!

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21st September 2023

Agenda

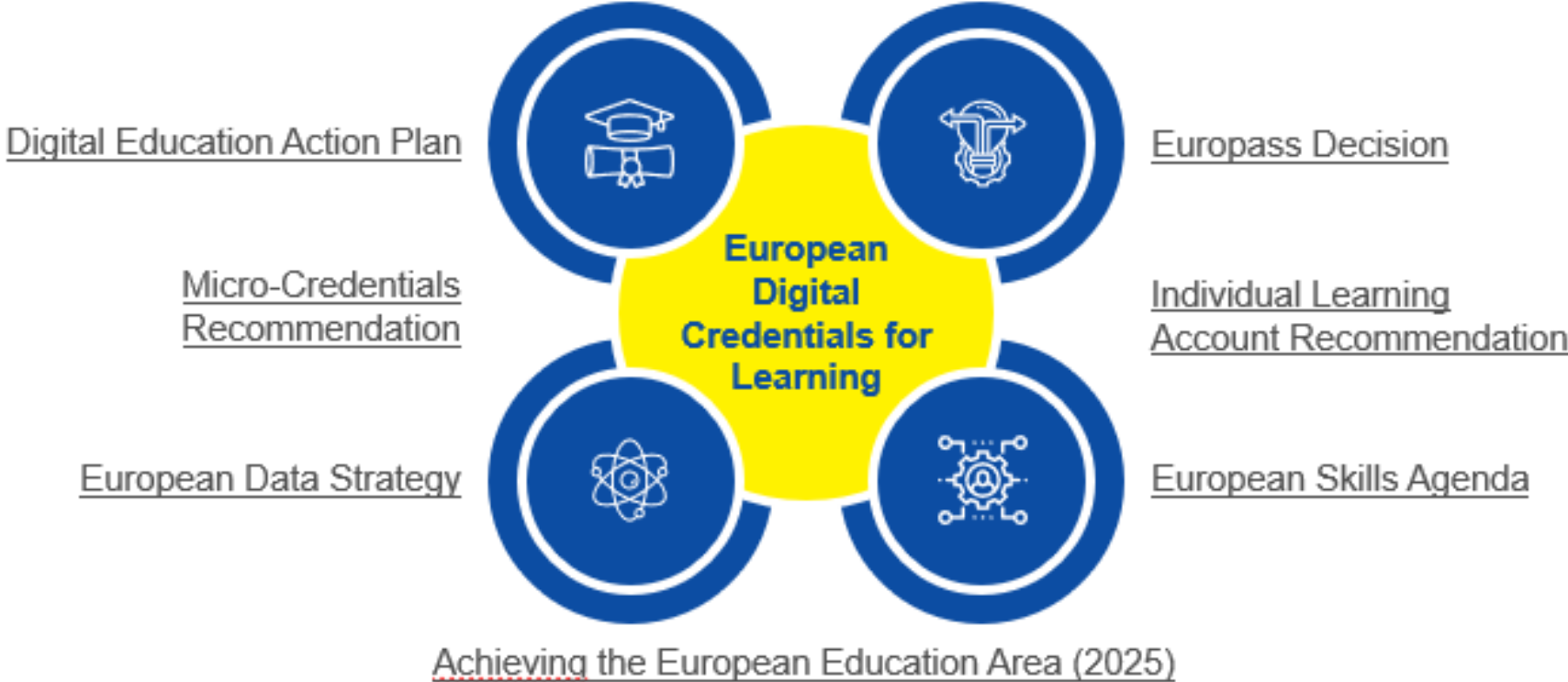
1. An overview of the policy context at a European level
2. Why Digital Credentialling?
3. Why European Digital Credentials?
4. How to get started and demo
5. Questions and answers

What is a Digital Credential?

- A credential, in its most essential form, is a **documented statement** containing claims made about a person
- A European Digital **Credential for Learning** is a claim related to the learning achievement of a person
- A **digital signature (e-Seal)** guarantees the origin and integrity of the document



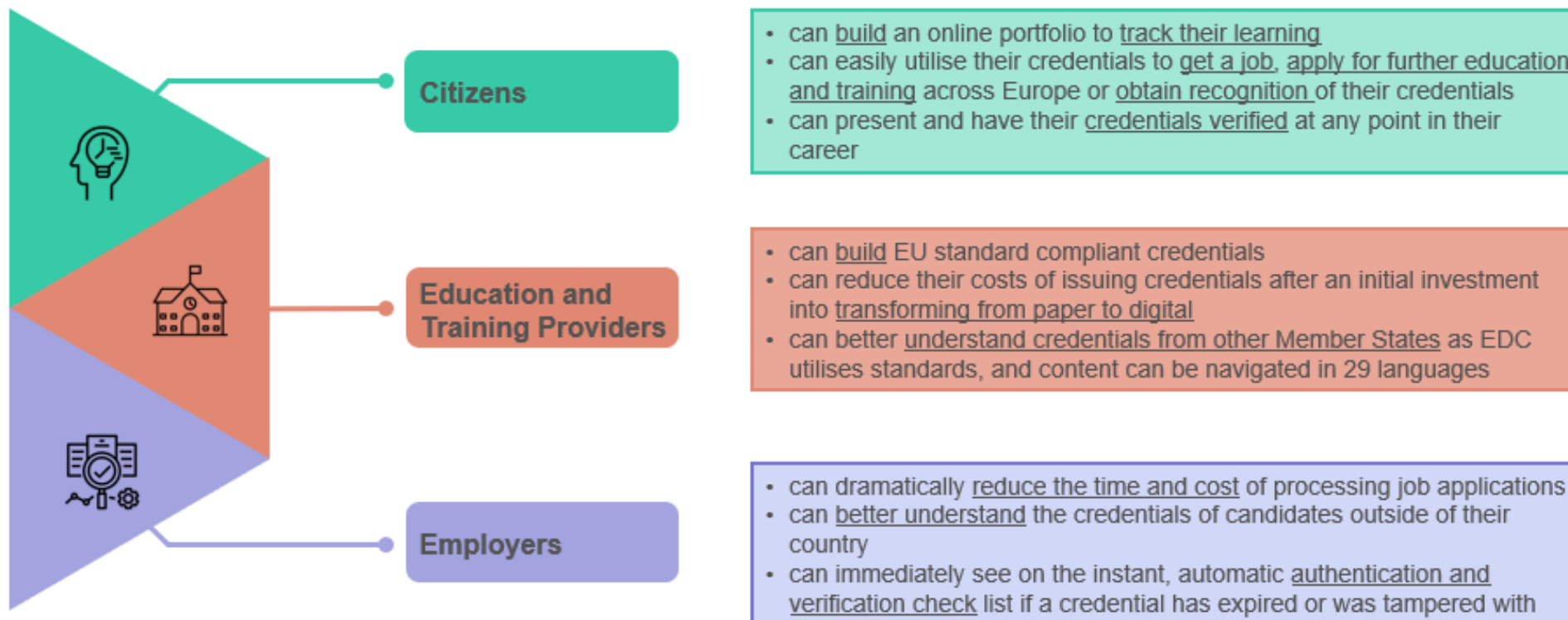
Europass & European Digital Credentials: A policy perspective



Legal Basis: Part of the Europass Decision



Why Digital Credentials for learning?



Why a European Approach to Digital Credentials?

OBJECTIVES

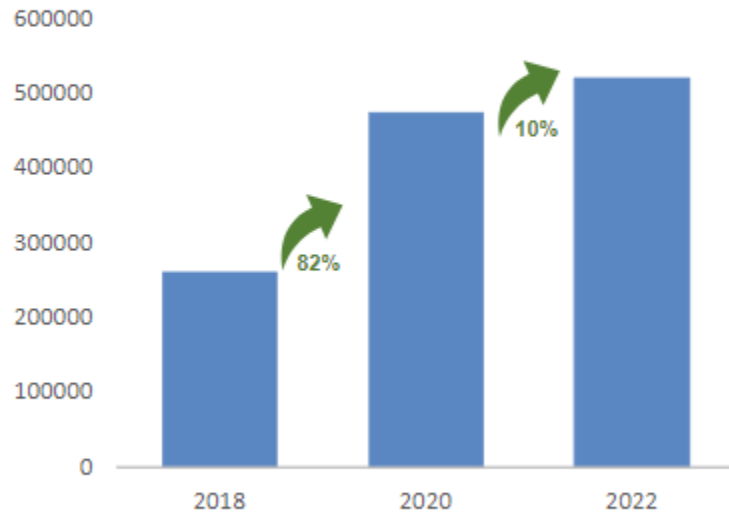
- Empower citizens to own their credentials
- Reduce market fragmentation
- Semantic Standards for Digital Credentials
- Create an EU Skills Data Space
- Make digital credentials multilingual by default
- Remove barriers to recognition
- Provide accreditation & transparency tools

BENEFITS

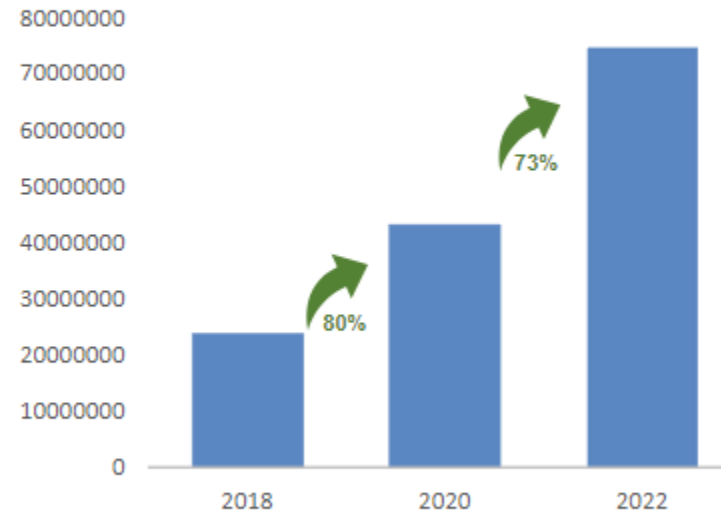
- Captures formal, non-formal & informal learning
- Addresses all levels of education and training
- Applicable to the whole course lifecycle
- Interoperable credentials
- Aligned with European recognition instruments
- Free & open source

Addressing a market need: digital (micro)-credentials are increasing in popularity

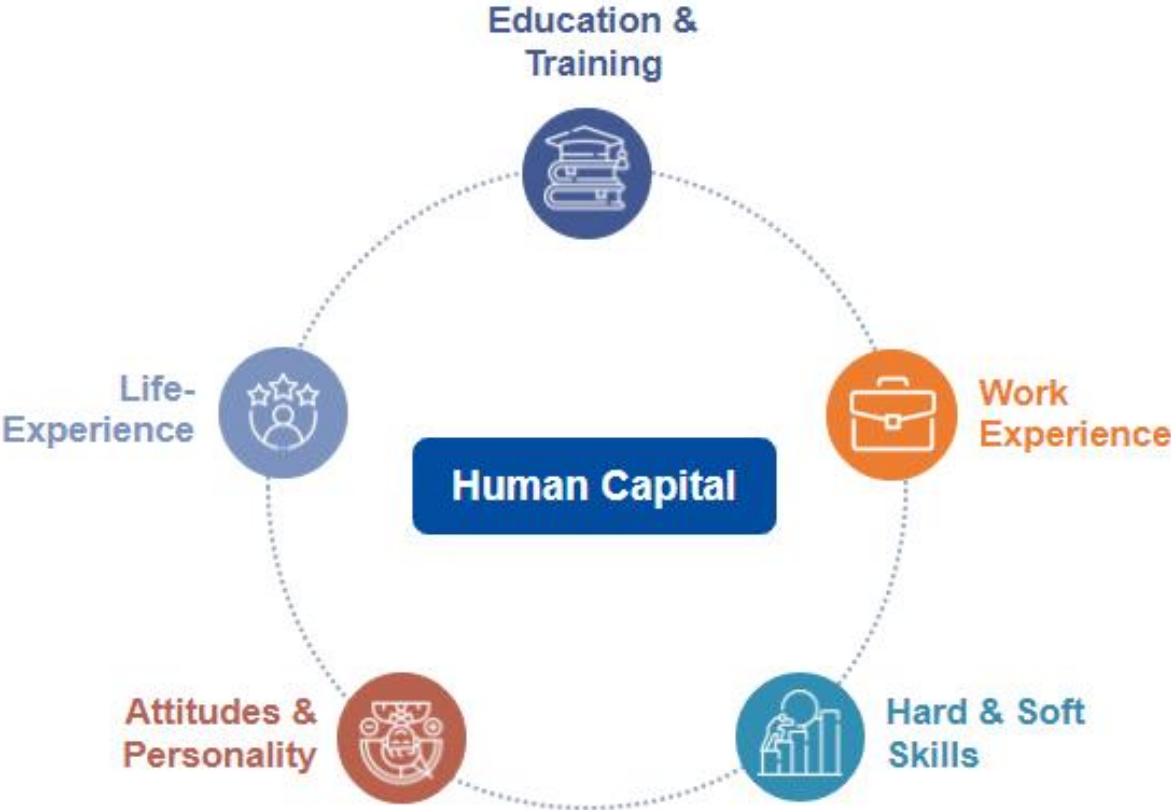
Available open badges



Issued open badges



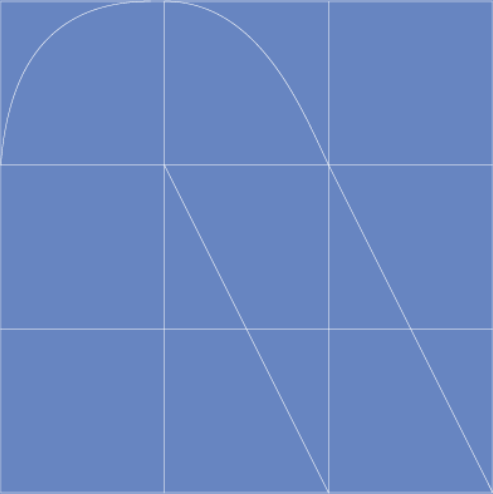
A framework to understand credentials



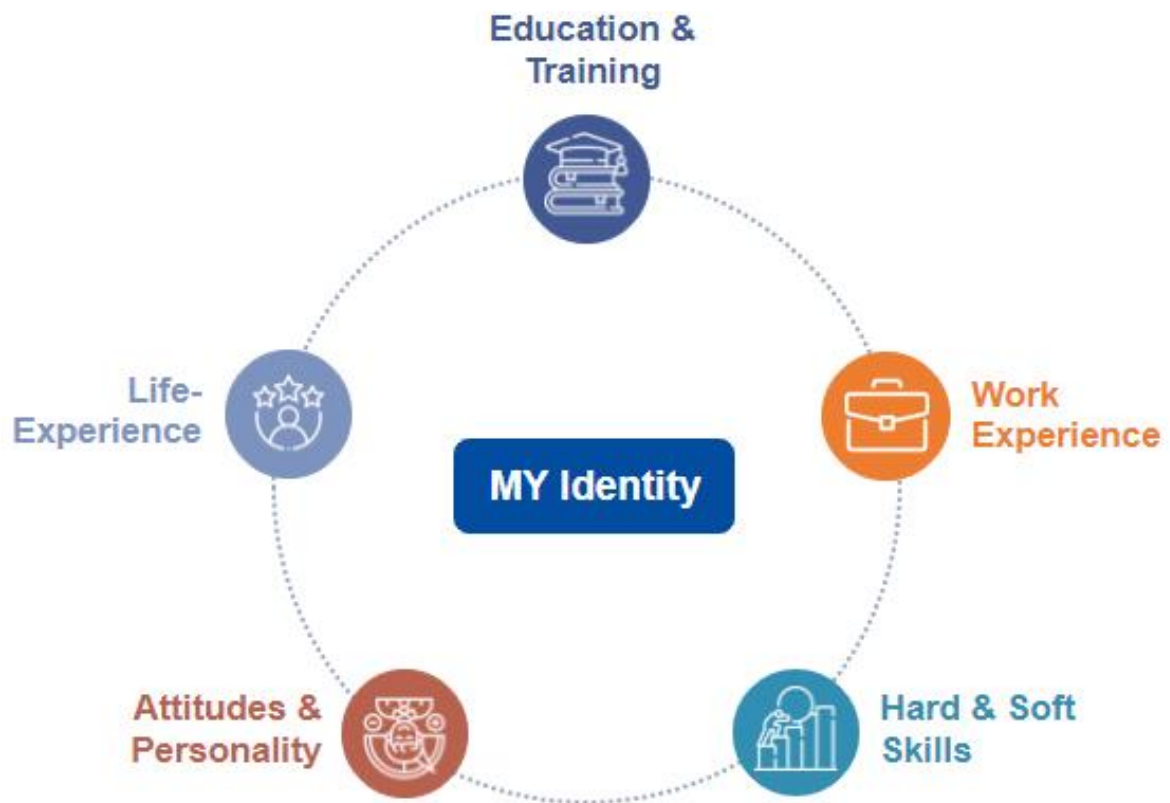
As a person learns throughout their lifetime, they create value



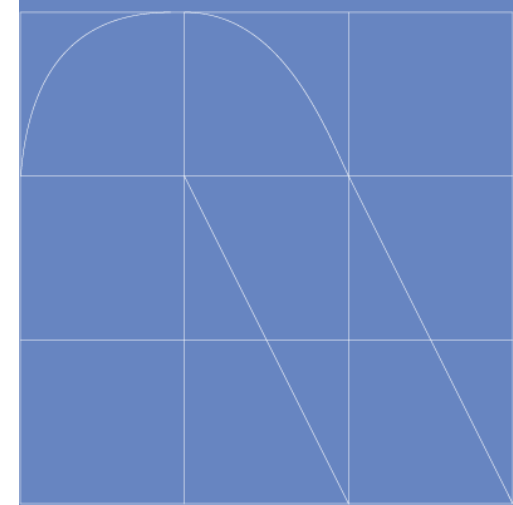
Human Capital often refers to the sum of the value of the learning within an organization which can be monetised



A framework to understand credentials



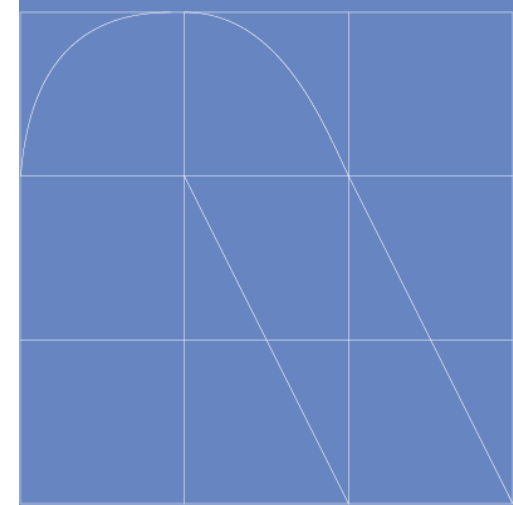
How can I communicate / optimise what I know to evidence my employability across sectoral and geographic barriers?



The role of skills



Personalised learning at scale means a move from



Added value of Digital Credentials as EDCs

- **European Digital Credentials for Learning** are verifiable documented statements about a person's learning (e.g. qualifications, certificates of participation, occupational licenses, letters of recommendation)
- eIDAS seal shall not be denied **legal effect and admissibility** as evidence in legal proceedings
- European Digital Credentials for Learning (EDC) are **size neutral**
- European Learning Model (ELM) can document **Qualifications as single or stacked** credentials
- **Micro-credentials** certify the learning outcomes of short-term learning experiences and support personal and professional development
- A person's learning outcomes expressed as **knowledge, skills and competences**



Definition of European Digital Credentials

A **digital credential** covers two areas:

- **Content** = learning outcomes, skills, description of the activities
- **Envelope** = area of identity, authentication, secure delivery policies

A **European Digital Credential for Learning** is a claim related to the learning achievement of a person. It creates the link between an individual, an awarding body, and a learning achievement.

A **European Digital Credential for Learning** consists of **data** that is structured in accordance with a data model (the European Learning Model).

European Digital Credentials for Learning are **tamper-proof** and secure (they respect data privacy). They comply with the **international standards** of “verifiable credentials”.







Types of Digital Credentials and their verification


- A **credential**, in its most essential form, is a **documented statement containing claims made about a person**
- **qualifications** (e.g., professional certificates, university diplomas, VET diplomas, and diploma supplements),
- **activities** (e.g., participation in classes and non-formal learning events),
- **assessments** (e.g., transcripts of records), and
- **entitlements** (e.g., right to enrol in learning opportunities, or to undertake an occupation)


Certificate of Participation







Valid from: 09/10/2021 17:00 GMT +0200 | Type: Mandated Issue




 Credential Preview
 Export
 Upload another credential

 Share


English 

 Ana Andromeda
 European Commission
 Speaker at EYE2021 
 Interactive session with Europass team and recruitment experts 

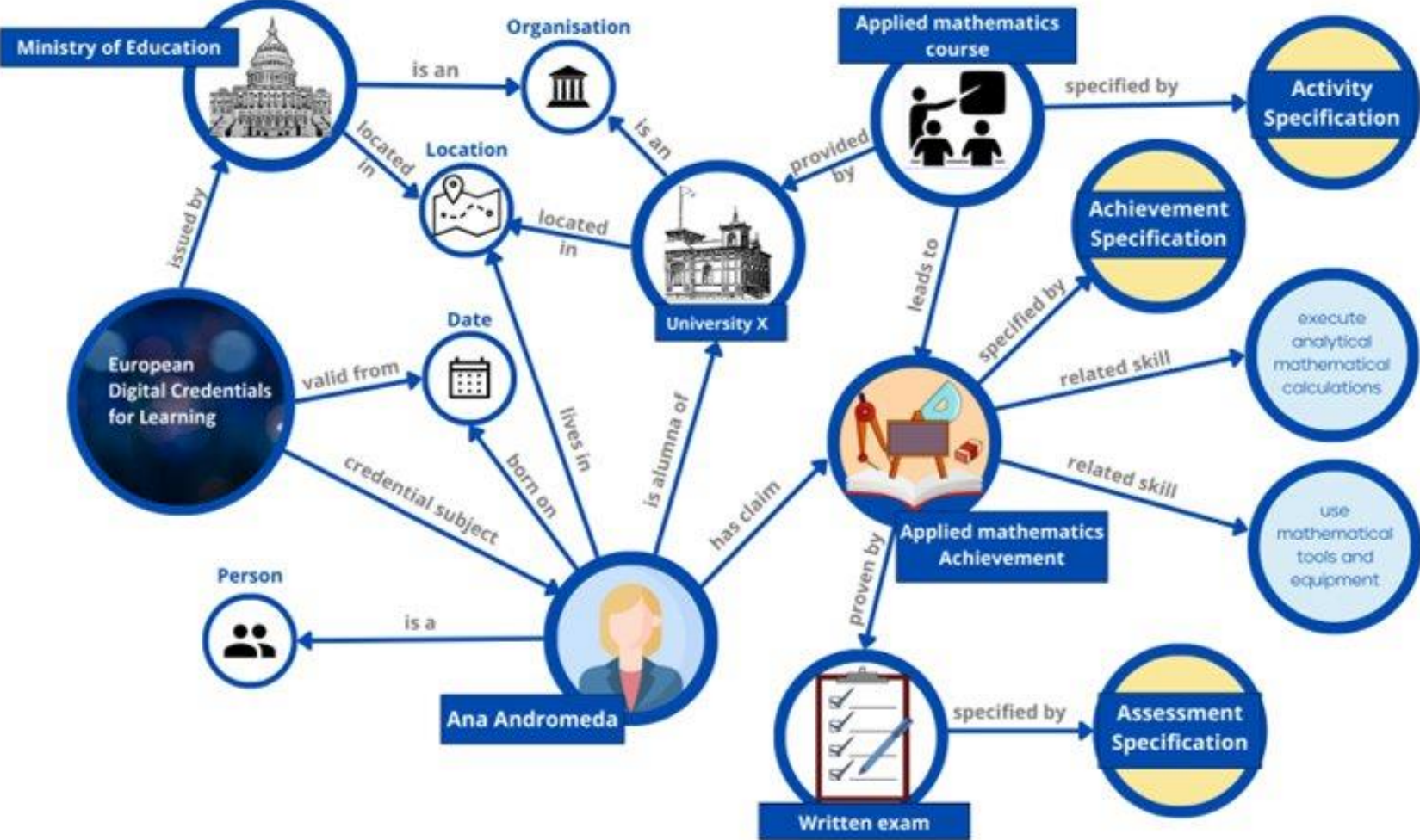


The European Commission certifies that
Ana Andromeda
attended and, in speaker capacity actively contributed to, the workshop "your career finder" at the European Youth Event 2021 in Strasbourg

Authentication and Verification Check

- ✔ **FORMAT**
This credential is technically valid.
- ✔ **SEAL**

- **REVOCACTION**
Verification step skipped
- **ACCREDITATION**
Verification step skipped
- ✔ **VALIDITY**
The credential is still valid.
- ✔ **VERIFIED**

Based on a common standard: the European Learning Model



How does this work? The European Digital Credentials Infrastructure

This infrastructure encompasses the technical specifications to implement the framework. It comprises the following core building blocks to help operationalise the framework.



Standards



Services



Software

Available functionalities:



Build

compliant credential templates directly in the Online Credential Builder



Issue

credentials and send them to their owners



Store

credentials securely in a single online or offline wallet



Verify

if the credential is authentic, valid and issued by an accredited organisation

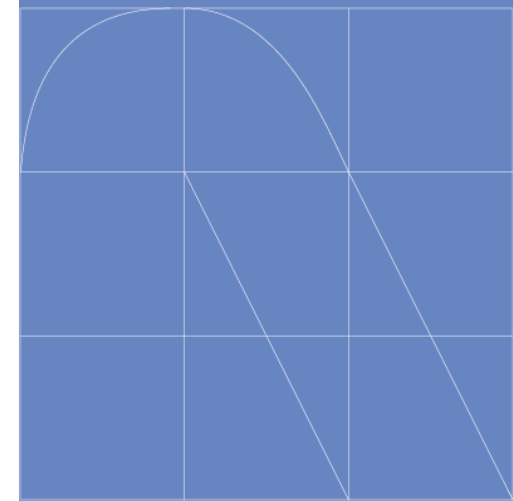


Share

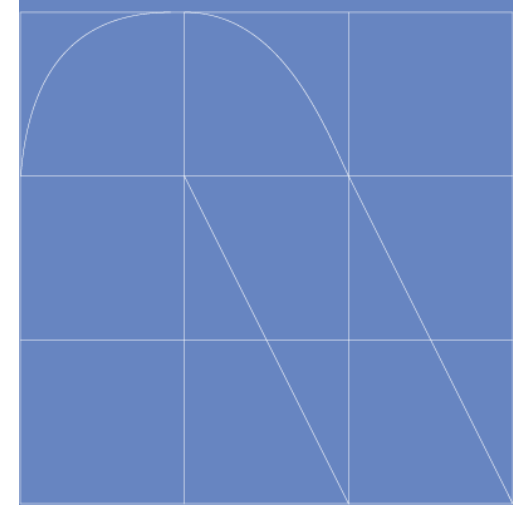
the information in the credential with any other person or organisation with just a click

Demo

1. Overview of the online credential builder
2. How to build a Micro-credentials



Q&A



Thank you!

Contact us at

EMPL-ELM-Support@ec.europa.eu