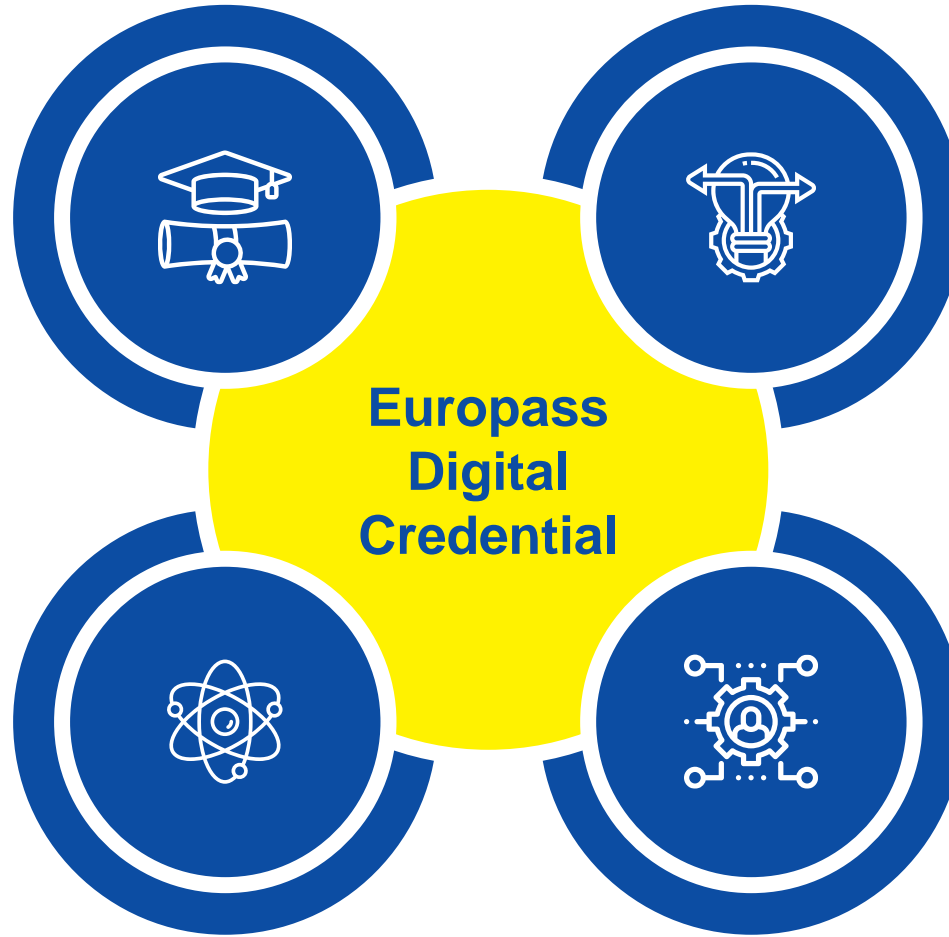# Digital Credentials for Micro-Credentials

**Anthony F. Camilleri – Senior Partner,
Knowledge Innovation Centre**

European Education Area
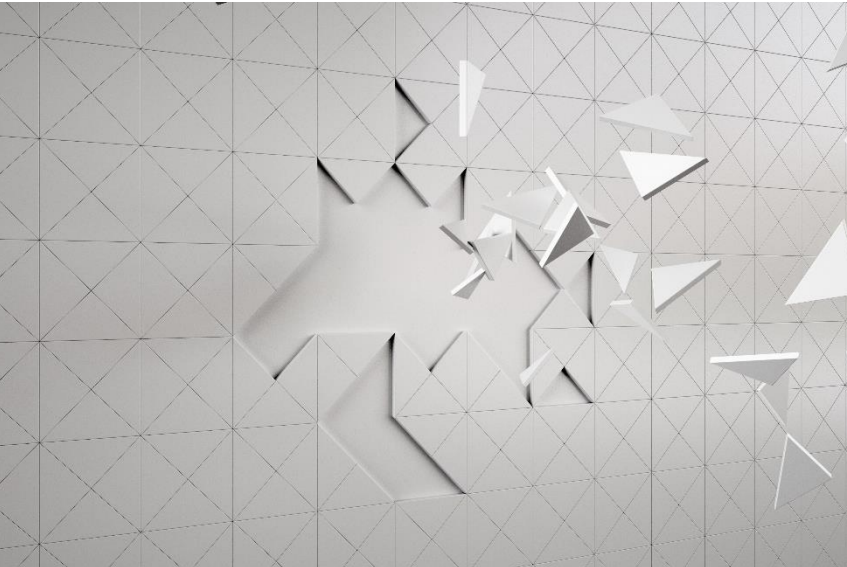
Europass Decision

Europass Digital Credential

European Data Strategy

European Skills Agenda

Why does the EC need a Digital Credential Initiative?

Creating a Skills Data Space
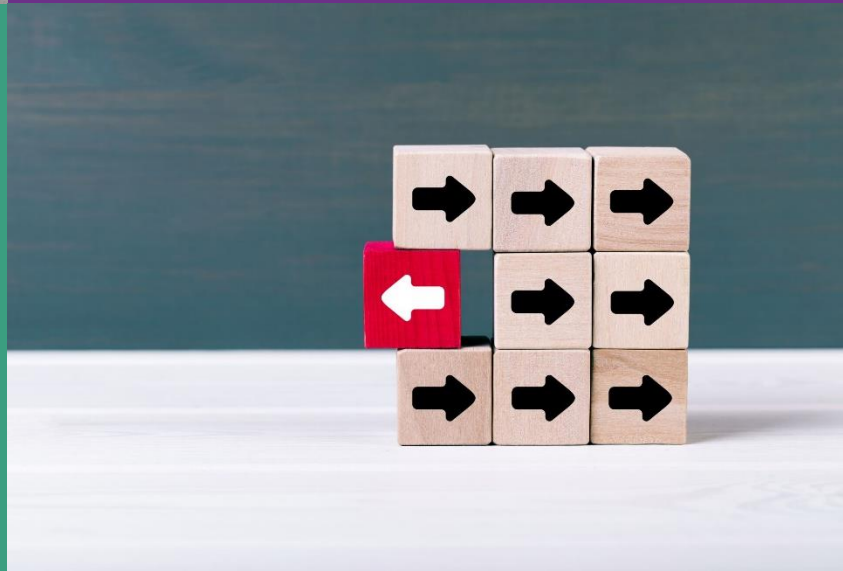
Market Fragmentation

Removing barriers to recognition

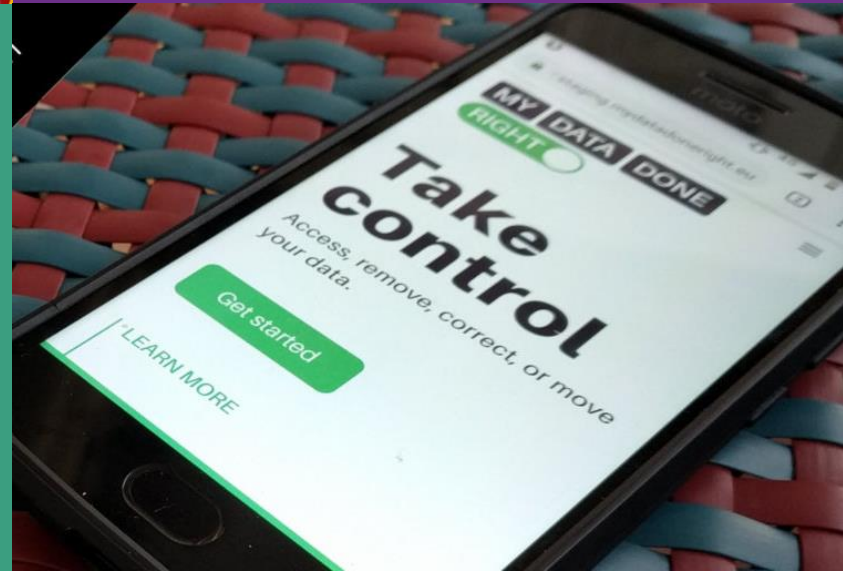# Why does the EC need a Digital Credential Initiative?

User Ownership

Multilingual by Default

MY DATA DONE
RIGHT

Take control

Access, remove, correct, or move your data.

Get started

LEARN MORE

Accreditation & Transparency Tools

A Europass Digital Credential

A Europass Digital Credential Contains Information About

Metadata
(data about the credential)

Issuer

Subject
(claims about person)

e-Seal

Describes Claims Related to

Activities

Achievements

Entitlements

Attestations

Learning Outcomes

Assessments

150 hours of coursework
100 hours of apprenticeship

DE Qualification as a Painter

Entitlement to work
as a painter

Recognition of
qualification in FI

LO of skill of painting

Final Examination
Grade B

An end to end credentialling Infrastructure

Standards

1. Europass learning model
2. Interoperability standards

Services

1. Issuer
2. Wallet
3. Viewer
4. Accreditation DB
5. Course & Qualification Search
6. Open Data Services

Software & support

1. eldas & Europass code libraries
2. ‚docker' images
3. Qualifications Dataset Register
4. Playground
5. API libraries
6. Helpdesk

europass
European Union

English EN

europass   Lorem ipsum   Lorem ipsum   Lorem ipsum

Login to Europass

View > View Credential

Diploma in Sociology

Date: 12/05/2019 | **Type:** Diploma

👁 Credential Summary | ⬇ Export | ⬆ Upload another credential   🔗 Share | 🖶 Print | English ▾
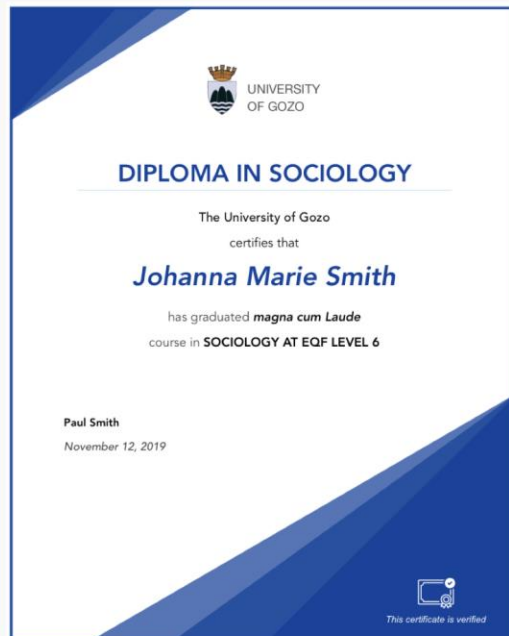
| Issuing organisation |
| Credential Owner |
| **Achievements** |
| Activities |
| Entitlements |
| Sub-credentials |
| Other Data |

🛡 UNIVERSITY OF GOZO

DIPLOMA IN SOCIOLOGY

The University of Gozo
certifies that

Johanna Marie Smith

has graduated *magna cum Laude*

course in **SOCIOLOGY AT EQF LEVEL 6**

Paul Smith
November 12, 2019

This certificate is verified

Authenticity and Verification Check

✓ **Format**
This credential is technically valid.

✓ **Seal**
The credential is Sealed. This credential has not been tampered with since it was issued by by the University of Gozo on 20/02/2019

✓ **Owner**
This credential was issued to the wallet owner.

○ **Revocation**
Verification step skipped.

✓ **Accreditation**
This credential has been accredited by the National Quality Assurance Agency (Italy).

✓ **Validity**
The credential is still valid.

🏅 **Verified**

◄ Previous

The EDCI Issuer allows anyone with a **digital seal** to issue credentials to students online.

Prepare

1 To issue credentials, you need to obtain a qualified electronic seal. Our test tool will ensure everything is set up properly. Then, follow our tutorial to understand how to prepare your data.

Test your e-Seal

How to prepare your data

Build

2 The Online Credential Builder allows you to enter your data entirely via the browser. You may also prepare larger datasets in Excel (for Windows) using the supplied template. Alternatively, you can export a package from your student information system as XML.

Online Credential Builder

Download your XL 8 template

Upload

3 If you have your credential data prepared, upload the file and move on to the next step of reviewing and digitally sealing your credentials.
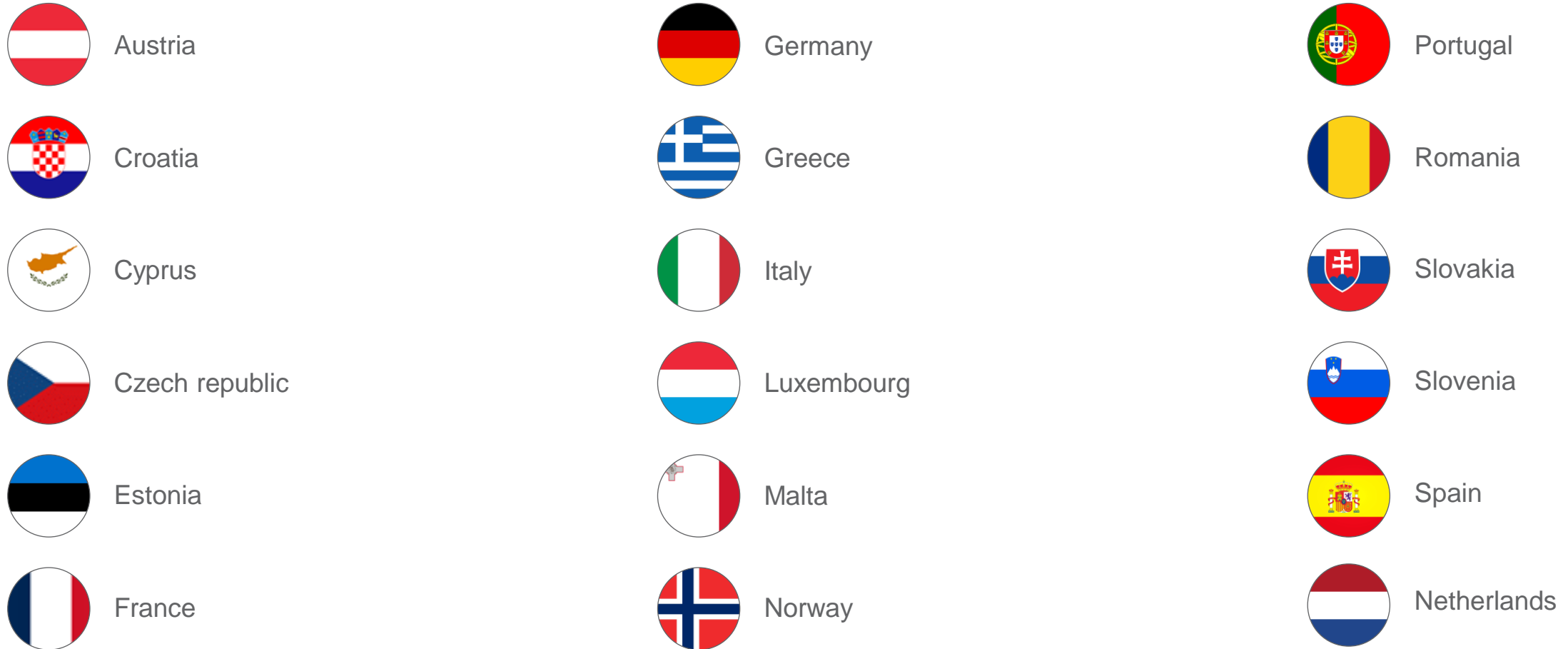
Upload XL 8 spreadsheet

Maximum file size: 5 MB
Accepted file formats: XLS, XLSX, XLSM

Upload XML

Maximum file size: 5 MB
Accepted file format: XML

EDCI – Pilot with Member States

Austria

Germany

Portugal

Croatia

Greece

Romania

Cyprus

Italy

Slovakia

Czech republic

Luxembourg

Slovenia

Estonia

Malta

Spain

France

Norway

Netherlands

18 Member States

europass

EU Approach to Micro-Credentials

BUILDING BLOCKS

TIMELINES and DELIVERABLES

2020 · · · · · · 2021 · · · · · · 2022 · · · · · · 2023 · · · · · · 2024

STORAGE and **PORTABILITY**

Further development of EUROPASS, in particular the **Europass Digital Credentials Infrastructure**, for the issuing, sharing and storage of micro-credentials.

Foster the availability of metadata in open formats and the interoperability between various infrastructures, including between the **European Student Card** initiative and Europass.

European Digital Micro-Credentials: A Potential Future

Define Format for a Micro-Credential (proposed)

Allow display and verification of micro-credentials (done)

Europass Digital (Micro) Credential

Technical Infrastructure for Trusted Providers (done)

Infrastructure for Exchange and Stacking of Micro-Credentials (not started)

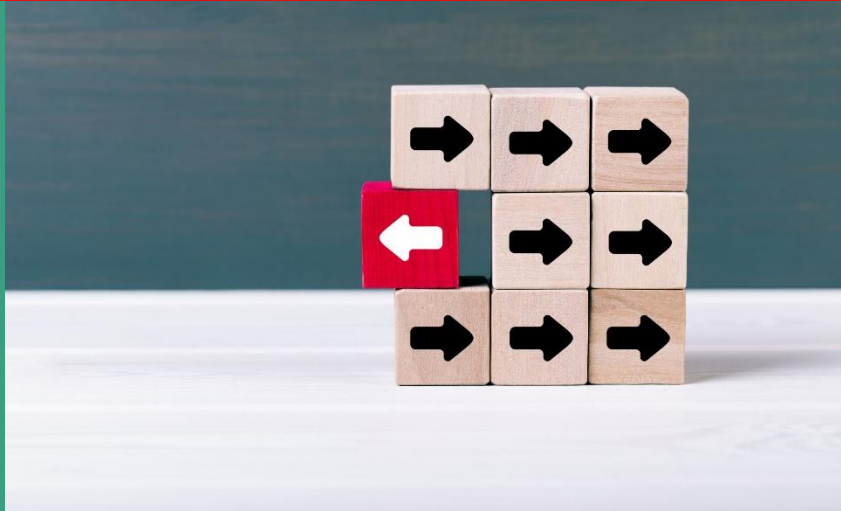# Why does the EC need a Digital **Micro-**Credential Initiative?

Creating a Skills Data Space

the importance of these issues increases
with every micro-credential issued

Market Fragmentation

Removing barriers to recognition

Thank You