



- Introduction and vision
- Policy context
- Overview of the European Digital Credentials for Learning
- European Learning Model
- Q&A



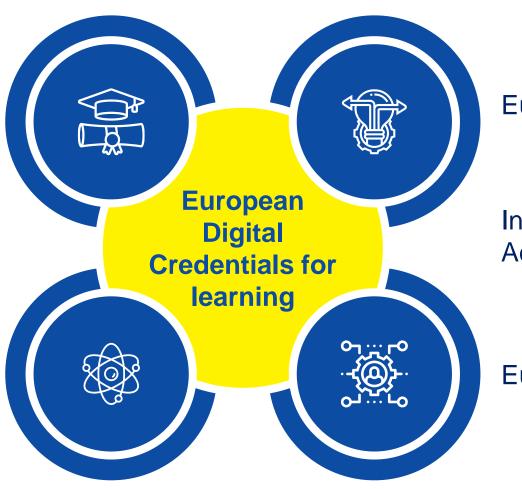
## **Central to the EU's Policy Agenda**



Free movement

Micro-Credentials Recommendation

European Data Strategy & Skills Data Space



**Europass Decision** 

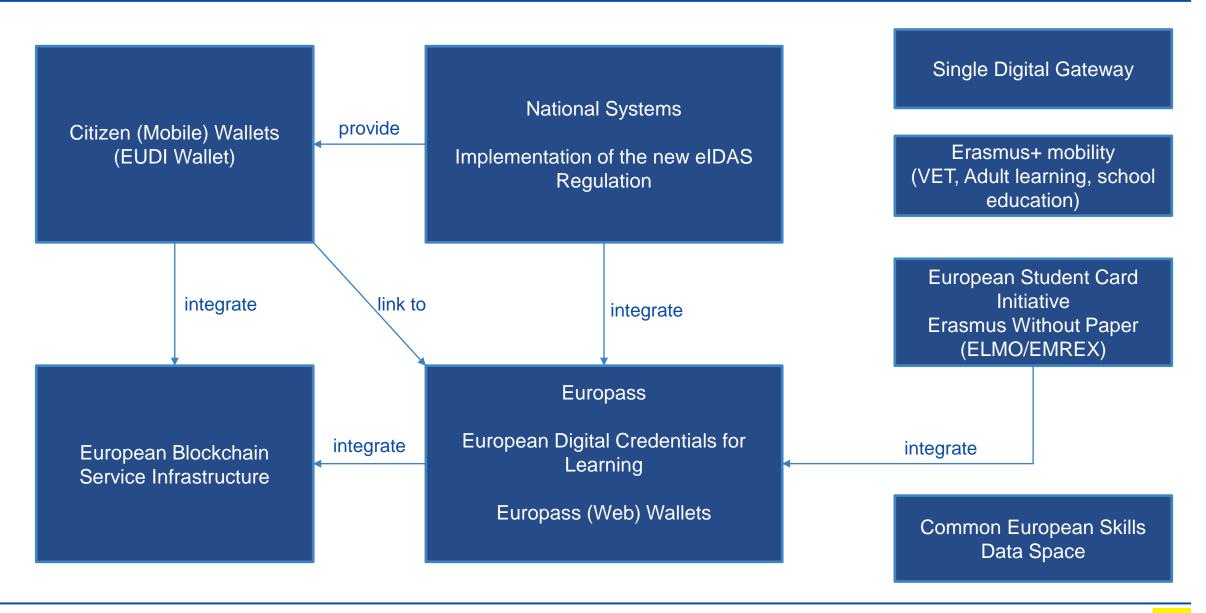
Individual Learning
Account Recommendation

European Skills Agenda

DEAP and European Education Area (2025)

#### Conceptual synergies with other EU initiatives and services

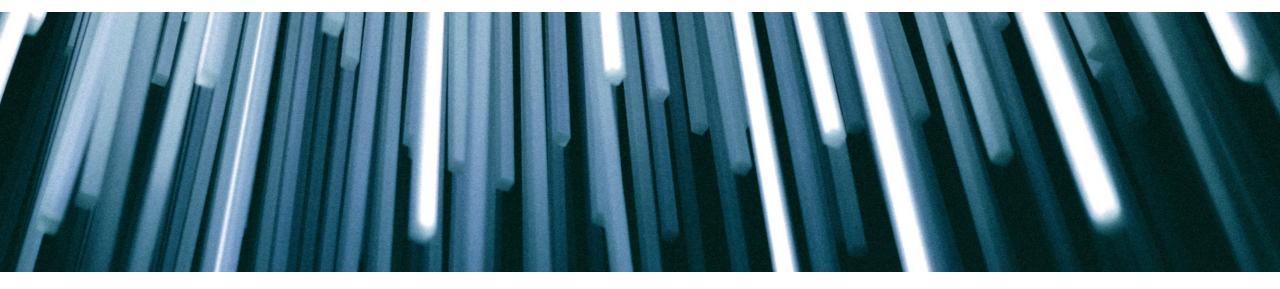




## **Working on EDC means**



- Teamwork across the Commission (DIGIT, CNECT, GROW, EAC ...)
- Helping Member States in their digital transformation of credentialing



## Transparency of skills, qualifications and qualifications systems





Council recommendation of 22 May 2017 on the European Qualifications Framework for lifelong learning



<u>Decision of the European Parliament and European Council</u> of 2 May 2018 on a common framework for the provision of better services for skills and qualifications (**Europass**)

<u>Diploma Supplement</u> – attached to a **higher education** diploma



Certificate supplement – attached to a VET/professional certificate

Mobility supplement – attached to a mobility experience



# The European Digital Credentials for Learning

## **EDC** legal base



# **Europass Decision (2018) - Article 4**

6. Europass shall support
authentication services for any digital
documents or representations of
information on skills and
qualifications.



European Commission europass.eu 9

## Why an EU role in Digital Credentialing?



#### **EU** added value

- A European solution (not a UK or USA based solution)
- Supporting free movement (transparency & recognition)
- Free & open source
- Multilingual
- Privacy by design (GDPR)
- Connecting education and employment

#### Benefits for users

- Trustworthy & tamper evident
- Compliant with international standards (W3C VC)
- Cost and time savings
- Controlled by owners
- Easy to share, store and verify
- Data rich

## **Employer use cases for digital credentials**



# Degree of importance

#### **Developing Experience Portfolios**

Documenting skills acquisition while in employment

#### **Verifying Credentials**

Checking that applicants can back up their claims about achievement with documentation

#### **Widening Access to Talent**

Identifying suitable employment candidates who may not typically apply or qualify for positions

#### **Matching Jobs to Skills**

Accurately summarising the full skills and competences of job applicants, and matching these to positions

Source: <u>Digital Credentials Consortium (mit.edu)</u>

## Three things to remember





Digital credentials are the future



Supporting the recognition of skills and qualifications



Connecting Member States

## Types of digital credentials

- A credential, in its most essential form, is a documented statement containing claims made about a person
- qualifications (e.g. professional certificates, university degrees, VET certificates, school leaving certificates),
- activities (e.g. letters of recommendation by employers, participation in non-formal learning),
- assessments (e.g. transcripts of records)
- entitlements (e.g. right to access a profession)
- Recognition statements (e.g. assessment of foreign qualifications)







21/09/2022 10:48 GMT +0200

#### Recommendation Letter: Sophie Sunshin

Dear Elizabeth Clayton.

I am writing this letter to recommend Sophie Sunshine for the Manager position they are applying for at your company. Sophie Sunshine, in my conion, reached the level of manager two years ago with their exceptional performance. But our organisation is not growing to the point where we can make them a manager, so I surested that they explore their options.

Sophie Sunshine is exceptionally responsive to their duties and is able to interpret even the most complex instructions. They are already, a resource for the people in their department and they have been acting as an unother all supervisor for months. The move to becoming an official manager is the next logical step for them.

Sophie Sunshine has been the team lead on several special projects and that was at my recommendation and the insistence of the employees. They have garnered nothing but respect from their poer and they view them as a supervisor right now. Sophie Sunshine ha earned the Ille or mana, r and your company would benefit greatly from hiring them.

While I will be say o lose Sophie Sunshine, I feel that this move is the right one for their career. Should be a have any questions, please feel free to contact me by phone or email.

Sincerely Yours

Justin Davidson Company of Excellents

#### **Certificate of Participation**

Servicio Español para la Internacionalización de la Educación

#### Ildiko Mazar

ctively engaged in hands on well shops during the Learning by Leaving conference held in Mallorca in October 2022

Issued on 01/03/2023 16:50 GMT +0100

europass









#### JAMK University of Applied Sciences Europass diploma supplement

This Diploma Supplement model was developed by the European Commission, Council of Europe and Unescot CEPES. The purpose of the supplement is to provide sufficient independent data to improve the international 'transparency' and fair academic and professional recognition of qualifications (diplomas, degrees, certificates etc.).

#### 1. Holder of the qualification

1.1	Family name	1.2 First name
	Mazar	Ildiko
1.3	Date of birth (DD/MM/YYYY)	1.4 Student ID number or code
	27/10/1976	123456LA HU,

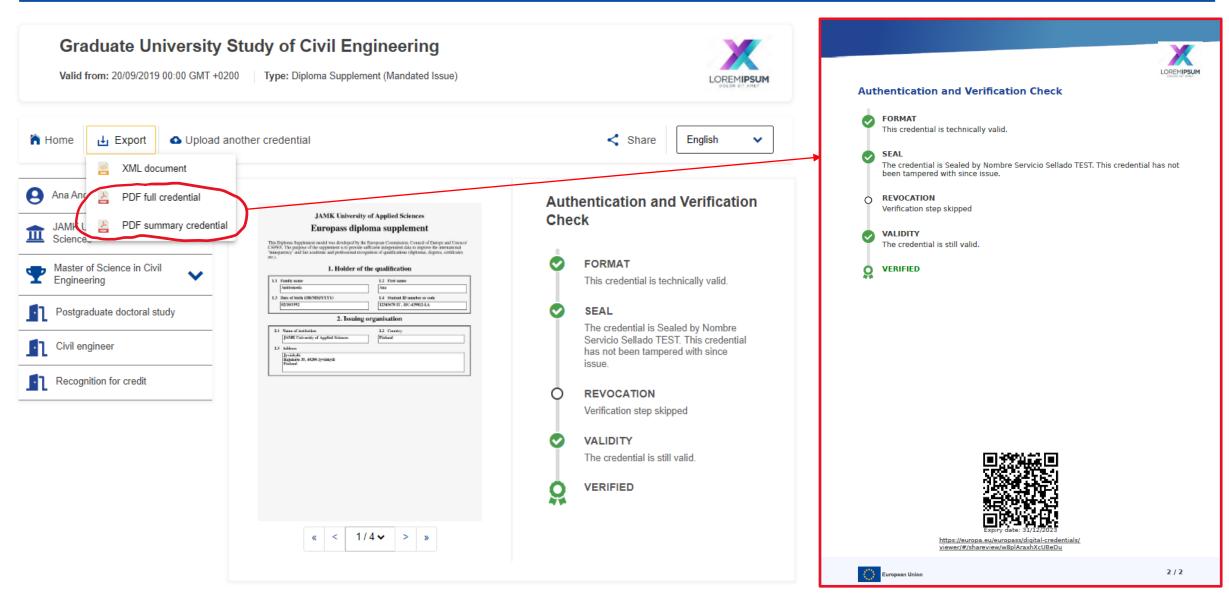
#### 2. Issuing organisation

2.1	Name of institution	2.2 Country
	JAMK University of Applied Sciences	Belgium
2.3	Address	
	Belgium	

13

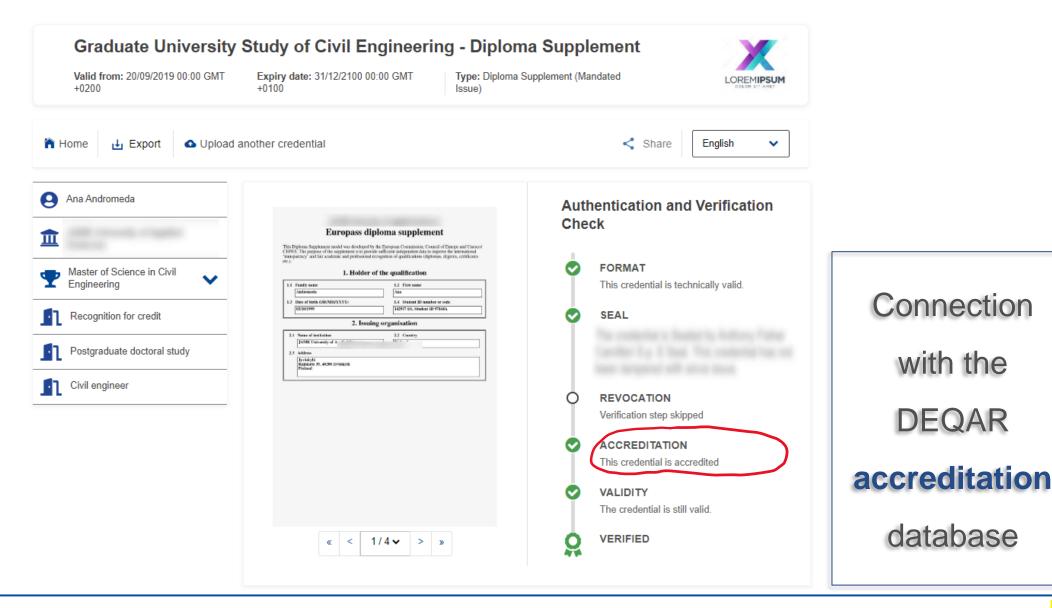
## **Europass Diploma Supplement Preview Pages**





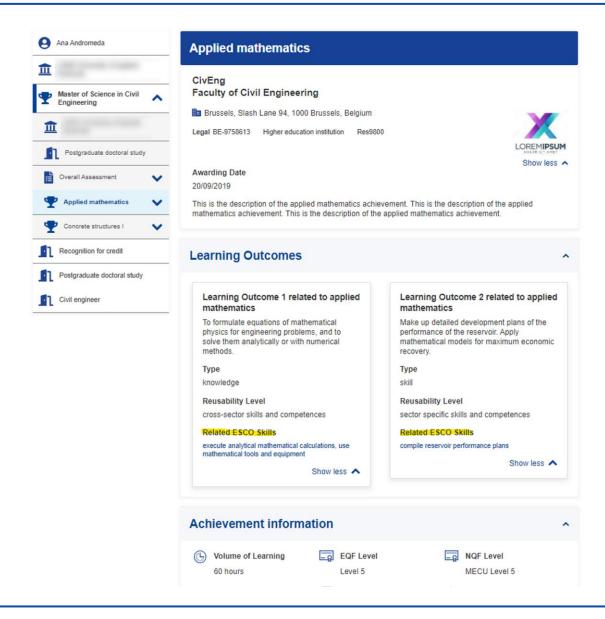
## Instant and Automatic Checks, including Accreditation





#### **Digital Credentials and ESCO**





- European Skills, Competences,Qualifications and Occupations (ESCO)
- Describing, identifying and classifying professional occupations and skills relevant for the EU labour market and education and training area
- Systematically showing the relations between those occupations and skills
- ELM allows cross-reference

## Timeline of upcoming developments



## Q1 2023 developments

- Native Verifiable Credentials
- JSON-LD
- Credential re-signing
- Upgrade of Mandated Issue

## Q2-4 2023 developments

- Support for Self-Sovereign Identity
- EBSI Integration
- Data model browser

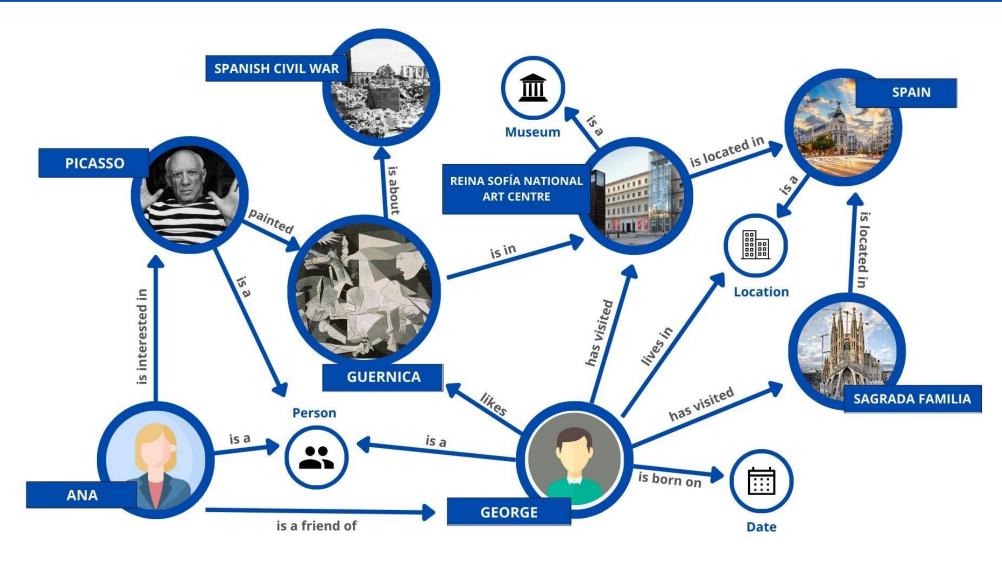
## **Future developments**

- Archive Wallet
- Europass Mobility
- Certificate Supplements

- Micro-credentials
- Recognition statements
- Revocation list

#### What is a data model?





## **European Learning Model**

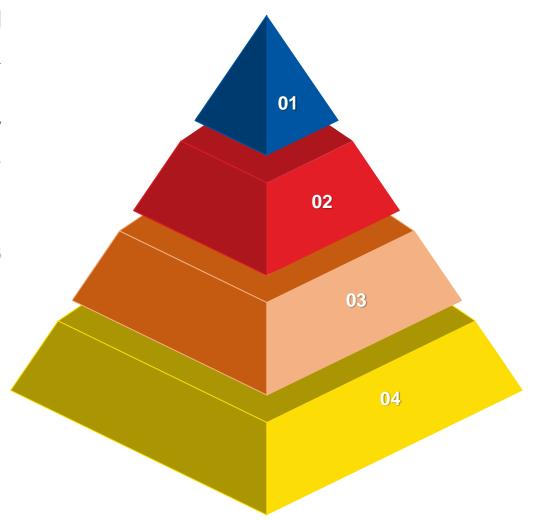


#### **01 European Information Model**

Definitions and Standards in CRs on EQF &
Micro-credentials, Diploma Supplement,
Europass Decision, etc. supplemented by
glossaries for additional terms

#### **03 Application Profiles**

Specific sets of rules for publishing learning opportunities, qualifications, accreditations and credentials in Europass



#### **02 European Learning Model**

A Linked Open Data publication of concepts to be used in educational and employment use cases throughout Europe

#### **04 Extensions**

National, Regional or Sectoral extensions of the data model & application profiles to deal with specific use cases

## **Scenarios of Implementation**



## Use the EC free service and platform to issue EDCs (low cost/investment)

- Via Online Credential Builder
  - + Online browser-based
  - + User-friendly (follows dev updates, handles associations well)
  - + All your templates in one place
- Via file upload
  - Native EDC format
  - + Most suitable for issuing large number of credentials (1000+)

# Customise and run the EDC infrastructure locally (medium up-front cost/investment)

- + Native EDC format
- + Most suitable for issuing large number of credentials (1000+)



#### Credentials for Issuers

Issue degrees, diplomas, certificates of participation or other credentials to your learners. Any school, college, university or training provider in Europe may use this tool to issue credentials for free and secure them with their e-seal. Credentials can be e-mailed to learners or directly deposited to their Europass profiles.

#### Prepare

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.

Credentials for Citizens



#### Build

The Online Credential Builder allows you to enter your data entire via the browser. Alternatively, you can export a package from you student information system as XML.



#### Upload

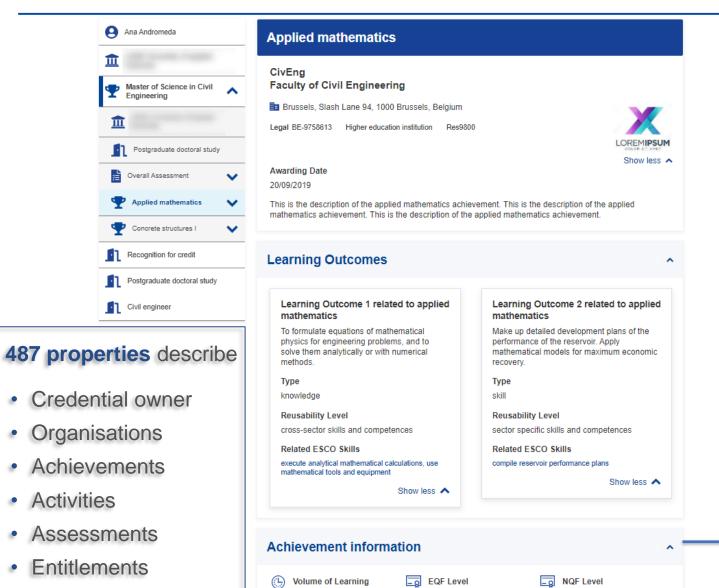
If you have your credential data prepared, upload the file and move on to the next step of reviewing and digitally sealing your credentials.



Maximum file size: 15 MB Accepted file format:

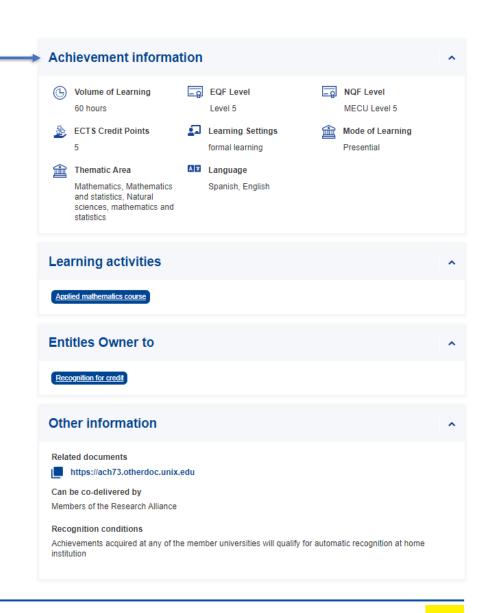
#### **Transparency and Portability**





Level 5

60 hours



European Commission 21

MECU Level 5

#### **OCB** to build credential templates



- User-friendly web browser based interface
- Private OCB account with EU Login
- Cross-referenceable templates
- No personal learner data stored
- Growing list of credential templates
- Navigation and content in 29 languages
- Search, clone and edit function
- Incorporating other standards (EQF, ESCO, ISCED-F, etc.)
- Apply preview customisation



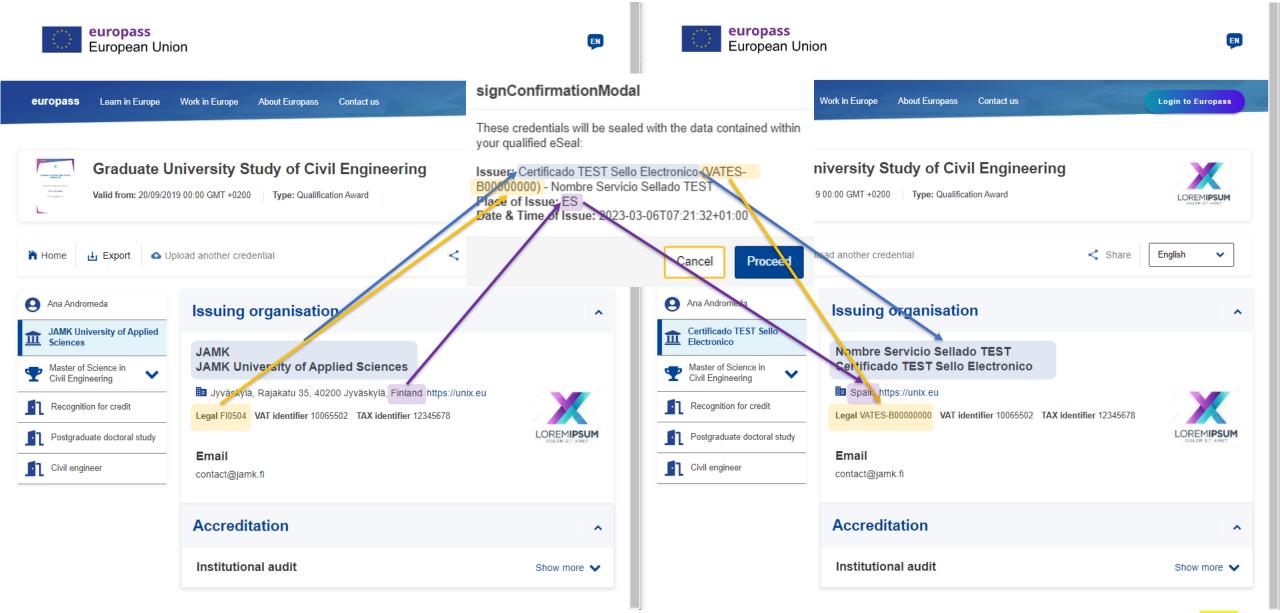
#### Credential templates

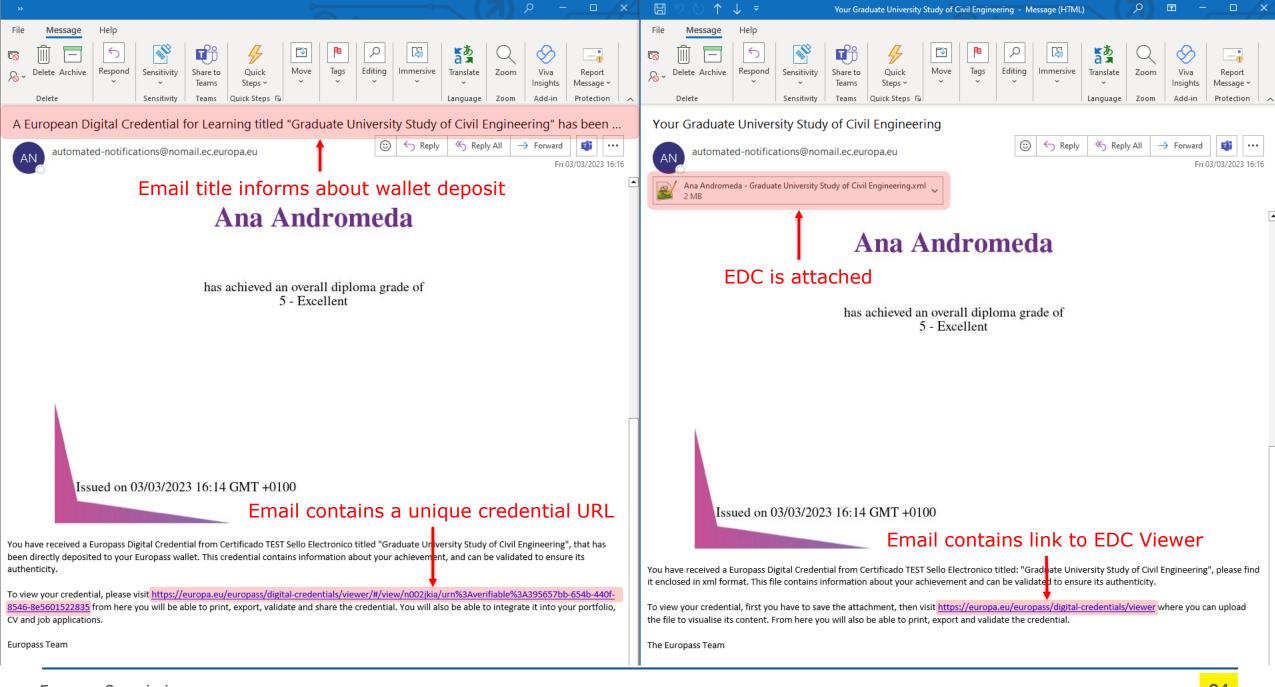
Use the tabs below to build multilingual reusable templates for credentials, activities, assessments, etc. When your template is ready, click on the Issue icon to enter student data, and grades if applicable. If you need clarification on what any field requires, scroll over the black ⊕ icon next to the label. This tool is still in preview − some of the dropdown lists may not yet be selectable.

Crede	Achievements					
This tab please m	Learning Outcomes	d issue your credentials. Before you proceed to creating your first template, s of the issuing organisation under the Organisations tab. If you wish to describe	_			
a learner need to p	Activities	or other relevant aspects, please enter these under the respective tabs. You will a entries when you build your credential.	New	New Credential Template		
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## **EDC** Issuer before and after sealing

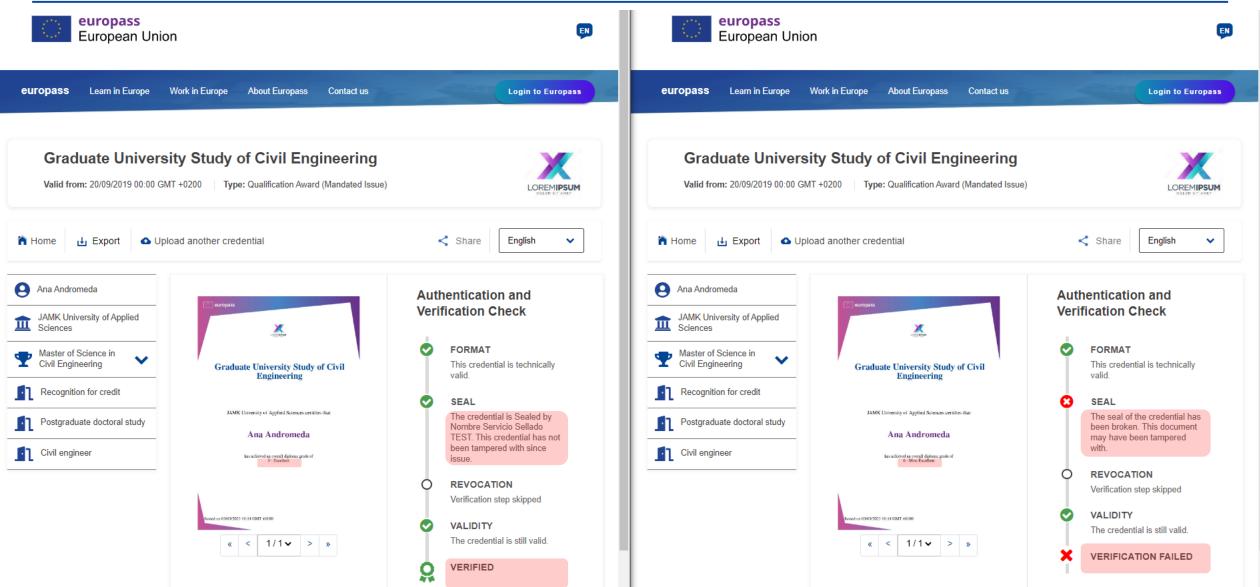






## Authentication and verification checks against credential fraud







# Thank you!

Contact us at

EMPL-ELM-Support@ec.europa.eu