





Europass and Digitally-Signed Credentialspolicy-perspective

Action 3 of the <u>Digital Education Action</u>

<u>Plan</u> (Jan 2018) established that the way forward to make **better use of digital**<u>technology</u> for teaching and learning encompasses an action to:

"Provide a framework for issuing digitally-certified qualifications and validating digitally-acquired skills that are trusted, multilingual and can be stored in professional profiles (CVs) such as Europass. The framework will be fully aligned with the European, Qualifications Framework for Lifelong Learning (EQF) and the European Classification of Skills, Competences, Qualifications and Occupations (ESCO)"

The <u>European Skills Agenda</u> is a five-year plan to help individuals and businesses develop more and better skills and to put them to use. It includes 12 actions, of which **Action 11** is the **New Europass** platform, supporting people to manage their learning pathways and career development.

Action 11: New Europass platform

The new Europass platform will support people to manage their careers in a fast-changing labour market. With modernised tools and information on learning and working in Europe the upgraded tool will:

- guide users to assess and describe their skills and communicate their qualifications and experience to training
 providers and employers, so they can take the next step in training or work;
- suggest to Europass users relevant jobs (via EURE5⁵² and Euraxess⁵³ jobs portals) and learning opportunities;
- make use of skills intelligence to provide tailored information on skills trends and needs to users when planning a change of career or moving to another country;
- enable education and training institutions to issue digital diplomas and certificates to learners in a European-wide digital format of 'Europass Digital Credentials', encouraging easier recognition;
- support a "fast track" to recognition, reducing administrative burden and decreasing fraud by supporting automatic authentication of qualifications by employers and training providers; and
- support legally residing migrants to showcase their skills and qualifications and facilitate their recognition through better information*. The EU 'Skills Profile Tool for Third Country Nationals' currently used in reception centres and by organisations guiding and supporting the integration of asylum seekers and refugees will be linked to the new Europass.

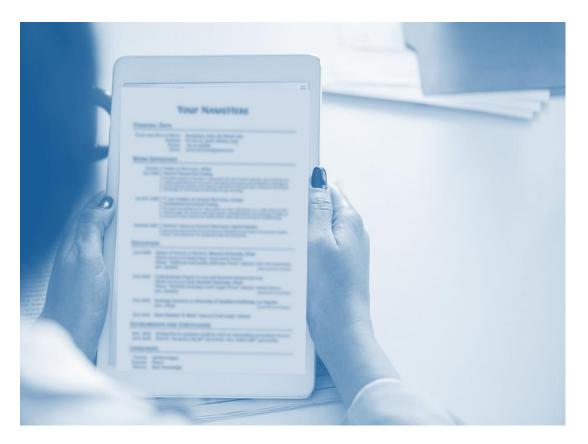
Daniela has been working in a variety of jobs as a car mechanic since leaving high school and is unsure what to do next with her career. Thanks to the new Europass, Daniela can create a personal Europass profile to record all her skills and experiences and store her diplomas and certificates. Europass will suggest jobs and courses to Daniela and she can access information on guidance services near her, as well as information on studying and working across the EU.



Framework for digitally-signed credentials

definition of a <u>digitally-signed</u> credential

- A credential, in its most essential form, is a documented statement containing claims made about a person.
- A European Digital Credential for Learning describes that the owner has certain skills or has achieved certain learning outcomes through formal or non-formal learning context.
- A digitally-signature (e-Seal) guarantees the origin and integrity of the document.
- The European Learning Model allows interoperability of Learning Opportunities, Qualifications and Credentials in Europe and supports a fast track to credential recognition, reducing administrative burden and decreasing fraud by supporting automatic authentication of qualifications by employers and training providers.







EDCL - Opportunities

Interoperability



Use Data Model



Issue Credentials



Develop own applications



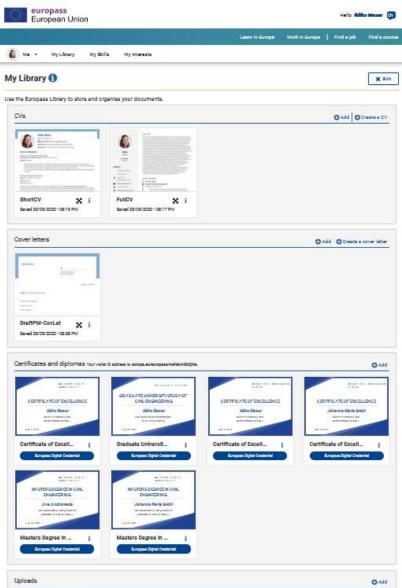
Europass (available in 29 languages)



Access to 2,5 million wallets



Access to Qualification and Awarding bodies data





European Digital Credentials for Learning components of the infrastructure

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









Software



Elements of the EDCL Infrastructure

Standards

European Learning Model
 (Linked to W3C VC)

Services

- 1. Issuer
- 2. Wallet
- 3. Viewer
- 4. Accreditation DB

Software & Support

- eIDAS & EDCL code
 libraries
- 2. Playground & API library
- 3. Helpdesk



European Digital Credentials for Learning Functions



Identify

Learners who will be awarded the credential



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





Today: Paper-based



The credential states the identity of the awarding body and credential owner

European Digital Credentials for Learning



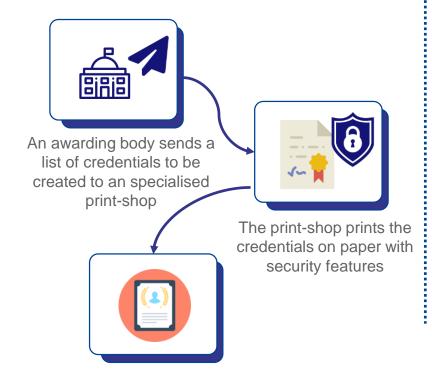
The digitally-signed credential is linked to the identity of the awarding body, such that only the awarding body may issue such a credential



ISSUE



Today: Paper-based



The credential is issued

European Digital Credentials for Learning



The credential is issued

No obligation to use EDC Issuer

Any software can be used to issue standard-compliant credentials



STORE \

Today: Paper-based



The credential owner picks up the credential from the awarding body



The awarding body sends the credential via registered delivery method



The credential owner securely stores the credential

European Digital Credentials for Learning

and/or



The credential is sent to the credential owner



The credential is directly deposited into the credential owner's wallet



The credential is indefinitely and securely stored in the wallet

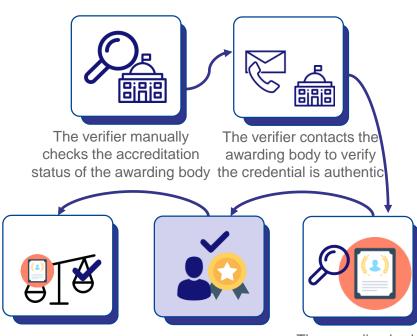
No obligation to use Europass Wallet.

Credential-owner can run a wallet on their own device, or obtain one from any provider.



VERIFY



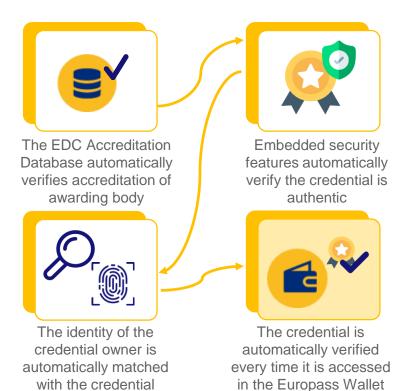


The verifier manually makes a judgement on validity

The verifier matches the identity of the owner with the credential

The awarding body checks its own database and confirms the details in the credential

European Digital Credentials for Learning





SHARE



Today: Paper-based



awarding body



The credential owner sends or presents the copy of the credential to the requester

European Digital Credentials for Learning

No obligation to use Europass Wallet.

Link can be shared to any cloud-based wallet.



The credential owner shares a link to the credential in their wallet



A European Digital Credential for Learning contains information about





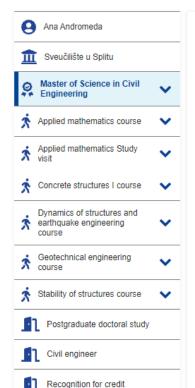




e-Seal







Master of Science in Civil Engineering

Awarding Date: 20/09/2019 00:00 GMT +0200

Awarding Body: Fakultet Gradevinarstva, Architekture i Geodezije

This is the overall description of the achievement of the Master of Science in Civil Engineering, that is linked to the overall credential, together with its sub-achievements.

Proven by

Title	Grade
Overall Assessment	excellent (5)

Influenced by: Applied mathematics course, Applied mathematics Study visit, Concrete structures I course, Dynamics of structures and earthquake engineering course, Geotechnical engineering course, Stability of structures course

Entitles Owner to: Postgraduate doctoral study, Civil engineer, Recognition for credit

Sub-Achievements

Applied mathematics, Concrete structures I, Dynamics of structures and earthquake engineering, Geotechnical engineering, Stability of structures

Specification %

Ach-Spec-ID-Scheme identifier: AchSpecID-72

Learning Outcomes:

LO1 related to applied mathematics .

LOID-Scheme identifier: LOID-73a

To formulate equations of mathematical physics for engineering problems, and to solve them analytically or with numerical methods.

Type: knowledge

Reusability Level: cross-sector skills and competences

Related ESCO Skills: use mathematical tools and equipment, execute analytical mathematical calculations, geodesy

Related Skills: applied mathematics, perform engineering calculations, construct earthquake resistant structures

European Learning Model

includes 250 properties to describe

- Organisations
- Details of the credential owner
- Achievements (including grades and references to learning outcomes, EQF/NQF levels, ISCED-f codes, ESCO skills activities and entitlements)
- Activities (by start and end dates; format, mode and volume of learning)
- Entitlements (Entitlement to work as an attorney or enroll in further education)

Foreseen technical developments



Q4/2021

- □ Code and Docker Images available
- Consultation on standard governance procedures
- ☐ Verifiable Presentations
- ☐ Official Launch Event
- Multilingual Platform and credentials

Q1/2022

- Diploma Supplement
- Accreditation DB
- □ ELM 3.0
- JSON support (native verifiable credentials)
- Enhanced

Documentation

Future

- □ Archive Wallet
- Digital recognitionstatements
- □ Resigning service
- Micro-credential stacker
- Credential from qualification
- Revocation list
 - Data Model Browser







AREAS OF EDC ADOPTION

- LU "digital Luxembourg" strategy (1600+ VET diplomas issued by Oct-21)
- HR to issue its first multilingual digital degrees in Oct-21
- European Universities of the Seas (SEA-EU) and Digital Innovations in Credential Evaluation and the Networks (DigiNet) using EDC for **recognition**,
- MT planning to issue 1000+ transcripts of records in early 2022,
- European Student Network issues **non-formal** training certificates from within a few weeks of joining the Early Adopters Programme,
- European Consortium of Innovative Universities (ECIU) building own solution,
- Vendors (e.g. Moodle and Digitary) developing own interoperable credentialing products



Accreditation Status in Qualification data

Collaboration Europass:

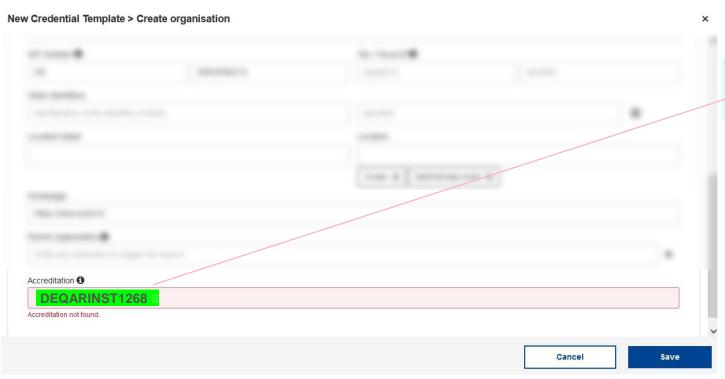
- Upload Degar accreditation dataset in the Qualification Dataset Register
- Linked to the issuing of digital credentials
- Pilot to explore how data in Degar can feed into the Europass accreditation database

Why?

- to lessen the burden on institutions by avoiding to upload the same information twice
- to populate the Europass database with accreditation information



Referencing QA Reports from DEQAR

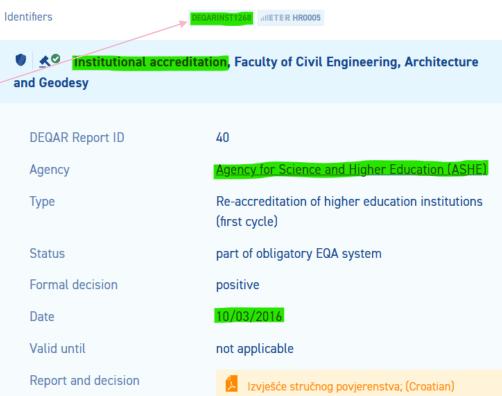


eqar.eu > Database > Search > By institution > University of Split

University of Split

Sveučilište u Splitu

Basic information



Report of the Expert Panel; (English)



Accreditation Status displayed in Diploma Supplement

#. Master of Science in Civil Engineering

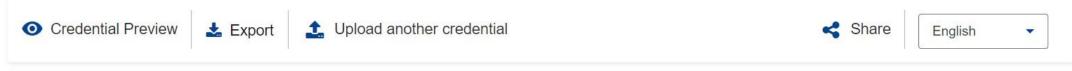
3.# QUALIFICATION	
3.#.1 Name of qualification	Title conferred
Master of Science in Civil Engineering	
3.#.2 Main field(s) of study	
Engineering and engineering trades	
3.#.3 Institution awarding the qualification	Status
Fakultet Gradevinarstva, Architekture i Geodezije	Institutional accreditation by Agency for Science and Higher Education (ASHE) on 10 March 2016
3.#.4 Institution administering studies	Status
3.#.5 Language(s) of instruction/examination	
English, Croatian	

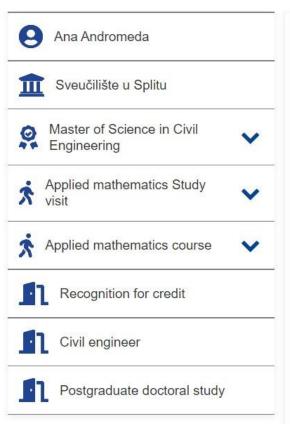
Graduate University Study of Civil Engineering

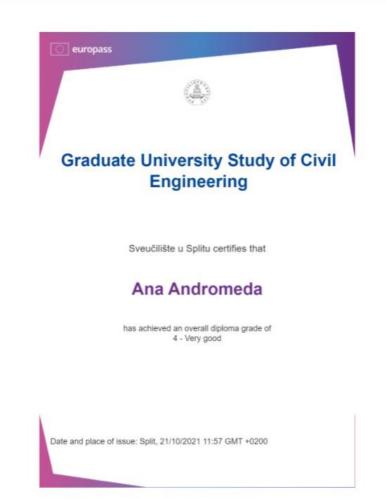
Valid from: 20/09/2019 00:00 GMT +0200

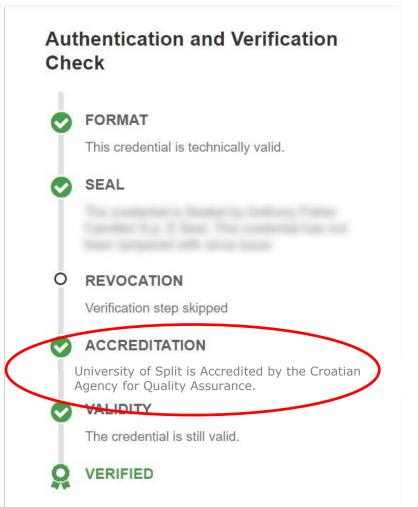
Type: Mandated Issue













EARLY ADOPTERS – COUNTRIES AND ALLIANCES

- 18 countries joined the original pilot in
 2019 (AT, CY, CZ, DE, EE, ES, FR, GR, HR, IT, LU, MT, NL, NO, PT, RO, SK, SL)
- Additional stakeholders from 7 countries joined early adopters (BE, DK, FI, IE, LT, PL, SE)
- Most implementers are, or involve, educational organisations
- European Universities show particular interest, and may need a support instrument just for them.

- European Universities (e.g. <u>ECIU</u>),
- Skills Alliance,
- European Universities of the Seas (<u>SEA-EU</u>),
- European Credit Clearinghouse for Opening up Education (ECCOE),
- Digitally Signed Credentials and Open Badges in VET and HE (<u>DISCO-VET</u>),
- Digital Innovations in Credential Evaluation and the Networks (<u>DigiNet</u>),
- Erasmus Student Network (<u>ESN</u>),
- European Schools (<u>EURSC</u>)



Thank you!

Contact us at EDCsupport@ext-ec-europa.eu

