

ELROPEAN TRAINING FOUNDATION

European Learning Model, Digital Credentials and the link with the ESCO



The European Learning Model

and related services

The European Learning Model is intended to



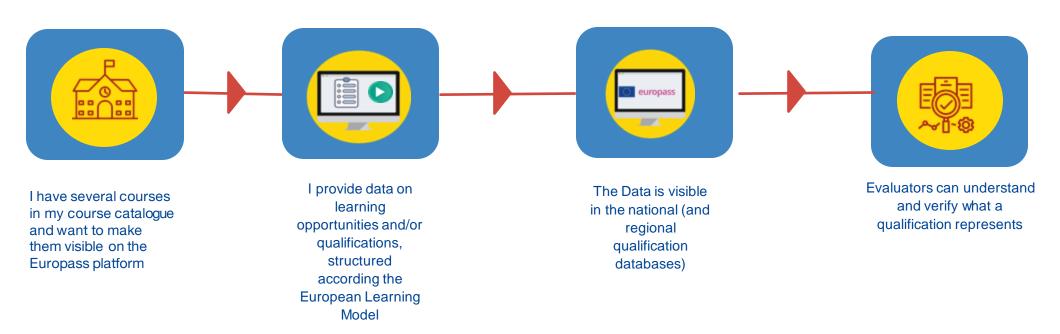
Remove barriers to recognition

Beneficiaries of the European Learning Model



The use of the ELM by Implementers

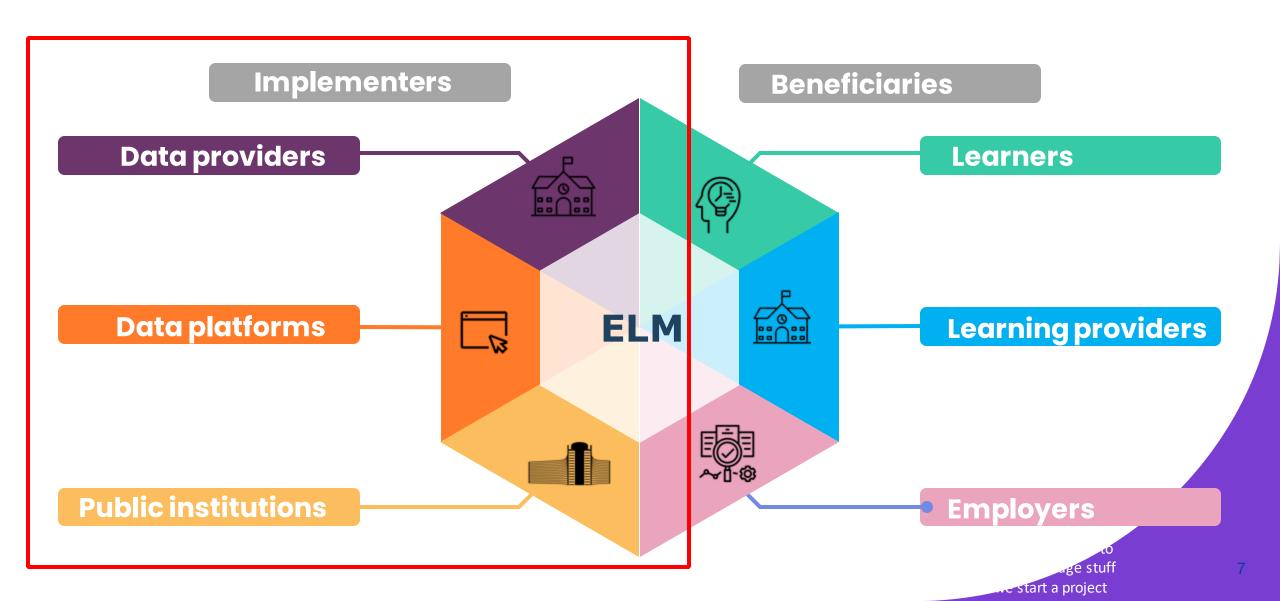
Data provider



Benefits ELM 3.0 (I)

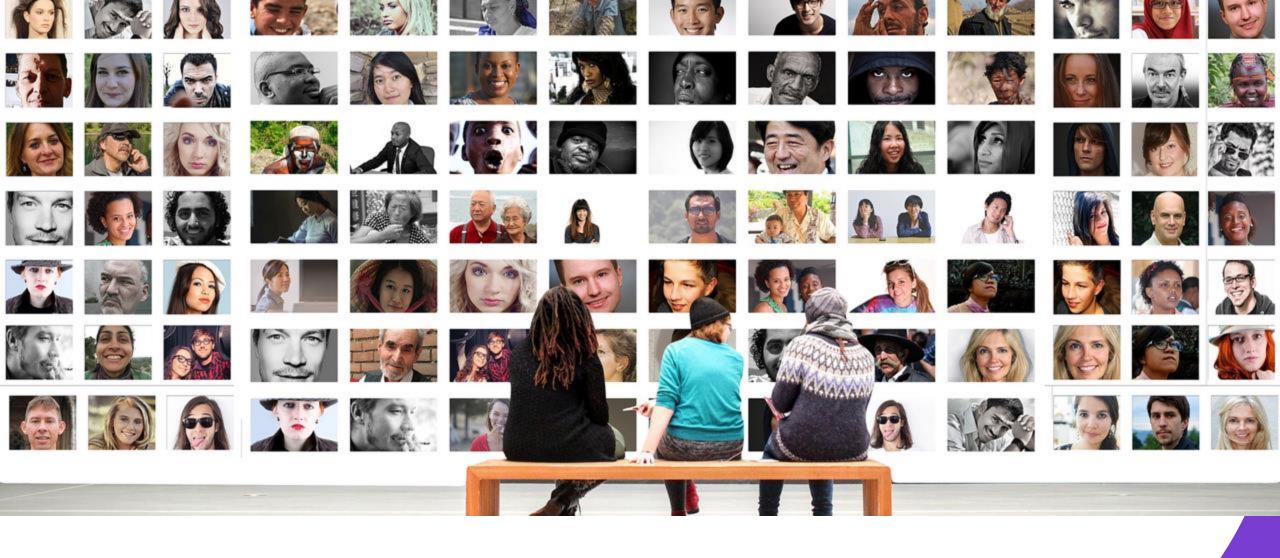
- One stable model addressing all levels and forms of learning
- Data providers <u>can</u> use ELM within national context, but they are <u>not obliged</u>
- Built on open standards and linked open data
- Native in all 29 Europass languages including French
- Uses familiar frameworks, classifications and taxonomies (e.g. EQF, NQF, ESCO and ISCED-f)
- Allowing for rich data 400+ property fields (without restriction only a few properties are compulsory)
- Supports data exchange and credential recognition
- Long-term support version of the data model

Users of the ELM

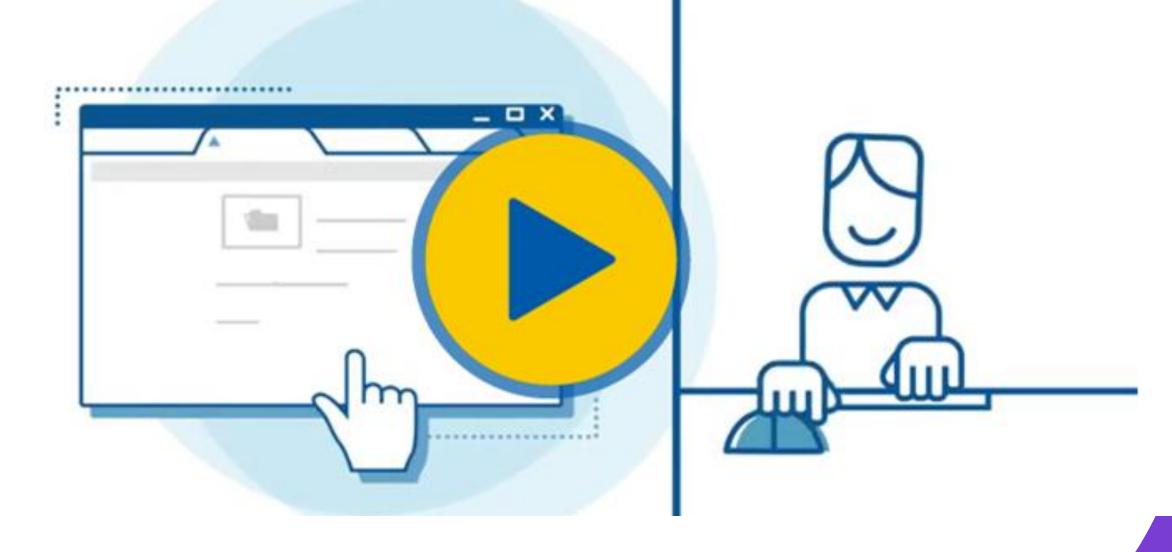


Design Brief for an Effective Learning Standard





Addresses all Levels of Education



Aligned with European Recognition Instruments

Captures
Formal, NonFormal &
Informal





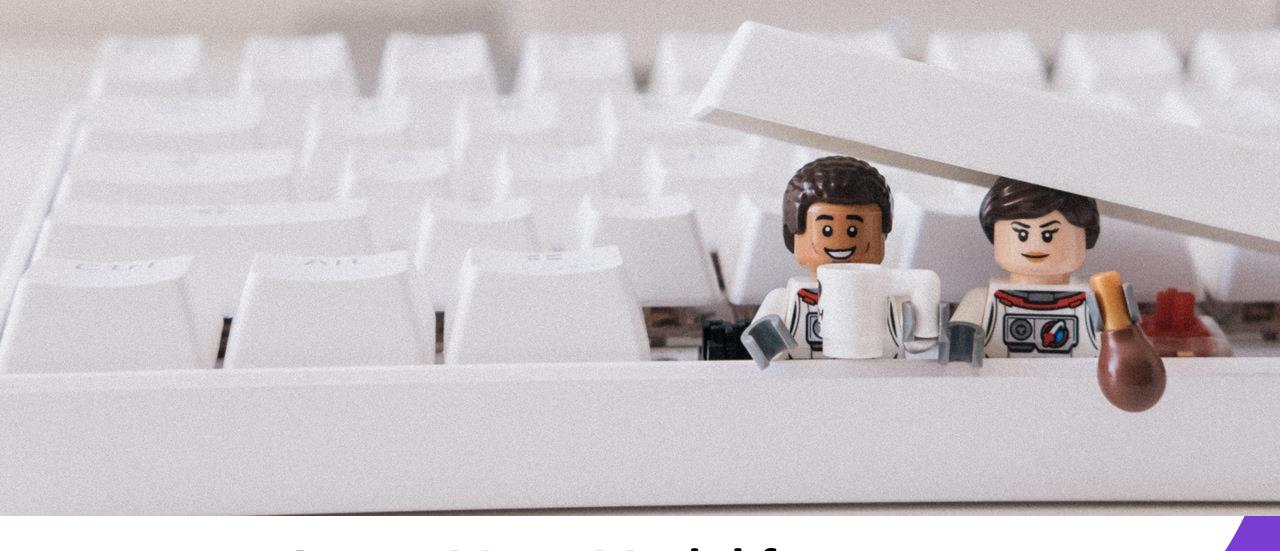
Applicable to the whole course lifecycle



Interoperable



Free & Open Source



A new Meta-Model for Interoperability





The Europass Learning Model is the connective tissue for skills and qualifications data in Europe



European Learning Model

European Information Model

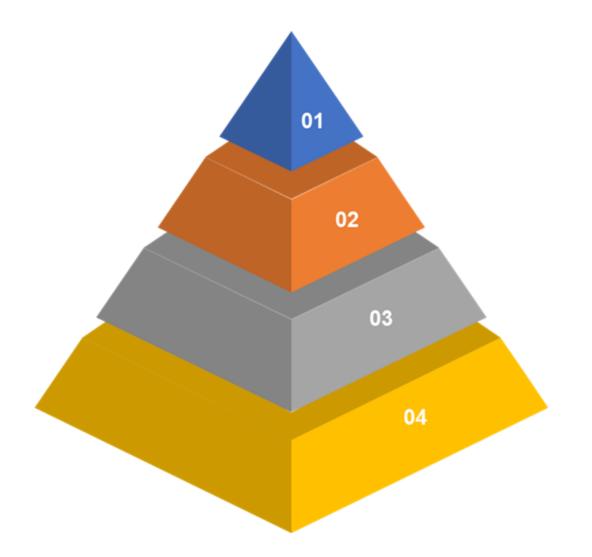
Definitions and Standards in EQF Recommendation,

Diploma Supplement, Europass Recommendation etc

supplemented by glossaries for additional terms

Application Profiles

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



European Data Model

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

Extensions

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



Learning outcomes in the ELM: important to know

The user will be able to

VERB, at LEVEL OF ACHIEVEMENT, in a CONTEXT

Linked to a skills taxonomy

Linked to a competence framework

Linked to an occupational framework



ESCO, national and/or sectoral frameworks and Learning outcomes

What is the link with ESCO and with national and/or sectoral frameworks?

Referencing to ESCO is supported by the data model

Other referencing can be mapped to ELM (e.g. DigComp, ROME)



Learning outcomes in the ELM: important to know

The user will be able to

Speak English, at proficiency level B2, as an engineer.

Linked to a skills taxonomy

ESCO skill

Linked to a competence framework

Common European Reference Framework For Languages Linked to an occupational framework

ESCO occupation/ category



LEARNING OUTCOMES – MAIN ISSUES

- Duplication of text across different data fields
- Lengthy learning outcomes (750 words)
- Generic learning outcomes
- Learning outcomes not tagged with frameworks (ESCO/DigCOmp)

Learning Outcomes in Qualifications data in Europass





How to apply Tuition for The fultion fees depend on the course you're studying (Dates Start: 12/01/2021 End: 31/012021 Admission procedure University of Malta Entry requirements Applicants must possess a bachelor's degree in Aeronautical Engineering / Aerospace Engineering / Mechanical Engineering / Manufacturing Engineering / Engineering Management / Materials Science and Engineering / Electrical and Electronic Engineering / Civil Engineering / Environmental Engineering, or a related field with second class honors or above, or an equivalent qualification from a recognized university or tertiary institution.

Learning schedule

Time: 9.00 to 13:00

Grading scheme

Days: Tuesdays and Thursdays

present and defend your thesis.

You must have finished all your courses as

stated in your approved IEP before you can

What you will learn

Incident and Accident Investigation

Credit points
30 Microsoft credits

ECTS points

Workload

Presectial

How you will learn

7.5

Who is this course for?

On successful completion of the program, graduates will be able to:

150h of classwork, 150h of self-study and 50h of groupwork

A specific target group or category for which this specification is designed.

- Select and apply appropriate advanced mathematical and numerical methods to effectively address real world aeronautical engineering problems.
- Analyze and design complex mechanics, material/structure and/or control systems.
- Analyze existing aeronautical engineering problems in depth.
- Design and operate complex systems from a conceptual design perspective.

For updated info, visit the course homepage via the apply to this course button.

- Carry out logistic management and quality control strategies for aviation related projects.
- ▼ Related ESCO skills
- Related digital skills

Career opportunities

After graduating with an Aerospace Engineering MSc you will be in a strong position to seek employment with companies such as: Airbus, Rolls Royce, GE Aviation, Airbus, Bombardier Transportation, BAE Systems, MBDA, SAFRAN, GKN Aerospace, Spirit, Finneccarrica, EDF, BP, Schlumberger, etc.

Learning Outcomes in European Digital Credentials for Learning





How to apply

Tuition fee

The fultion fees depend on the course you're studying

© Dates

Start: 12/01/2021 End: 31/012021

Admission procedure

University of Malta

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An end to end 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