



europass

**Workshop: digitale Lern- und
Qualifikationsplattformen
Wo stehen wir in Deutschland und
Europa?**

20. März 2025

Koen Nomden, European Commission DG EMPL

www.europass.eu

Record your learning and professional experiences



Know your skills, strengths and ambitions

Take action

Explore your opportunities

<https://europass.europa.eu/en>



Job & Skills Trends tool

Information about the **demand of specific occupations and skills** across **EU countries**

Occupation Country Trends

Browse by occupation

Enter an occupation to discover relevant skills and countries in which it is in high demand.

Occupation
Software developer

Skills Countries

Software developers implement or program all kinds of software systems based on specifications and designs

Top Skills	Top Knowledge Groups
1. Programming computer systems	1. Software and appli
2. Developing operational policies and procedures	2. Database and netw
3. Managing, gathering and storing digital data	3. Computer use

Skills Countries

A software developer is part of the occupation group Software developers.
Software developers also include occupations such as user interface developer, software analyst and software architect.

Year 2023

Countries

- Luxembourg
- Austria
- Portugal
- Ireland
- Spain
- Czechia
- Bulgaria
- Germany
- Cyprus
- Estonia

- search by **country**
- search by **occupation**
- **top skills** for each occupation
- **evolution of demand and trends** for occupations in specific countries

Job & Skills Trends tool

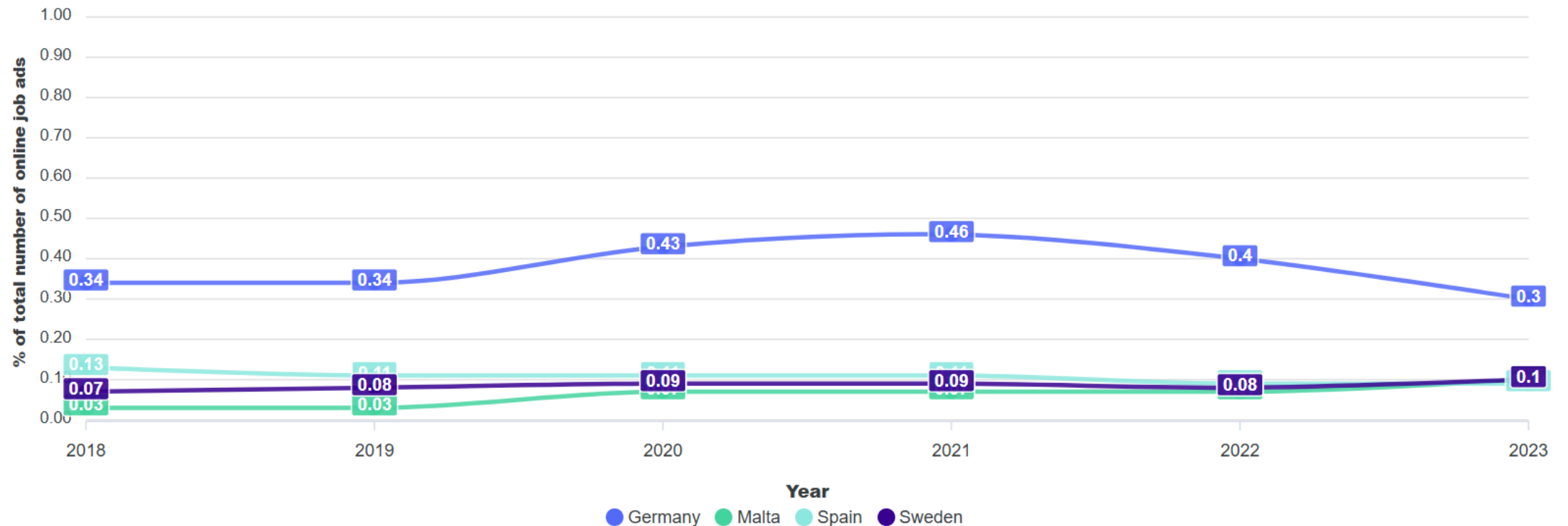
Evolution of demand and trends for occupations in specific countries

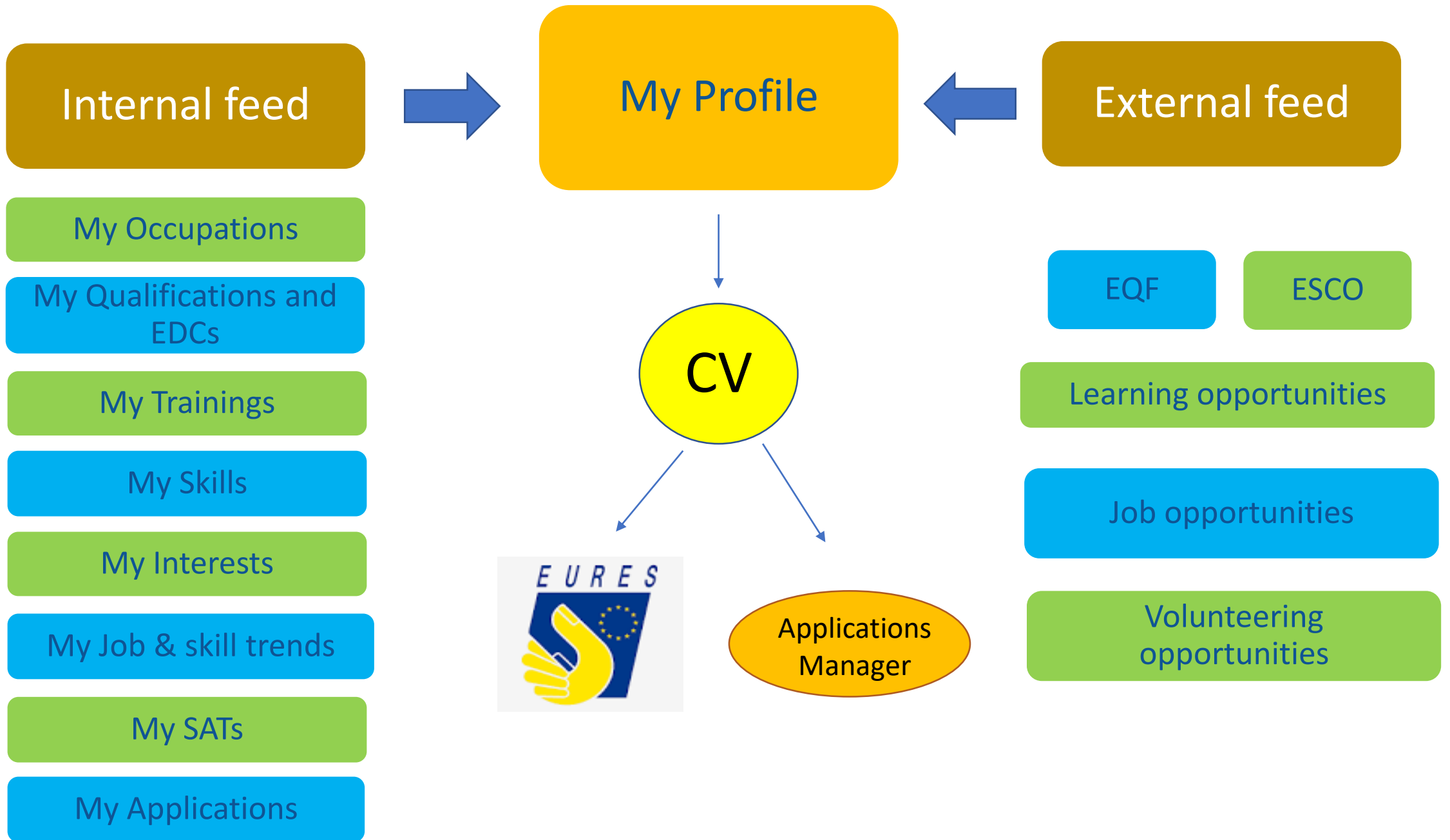
Country

Occupation

- Germany
- Malta
- Spain
- Sweden

Demand for Building architects





Europass Smart CV

Allow citizens to **understand** and **present** their **skills** for **specific** job vacancies

Europass will **analyse** the **skills** required for the specific job and **inform** the user of the skills s/he already has and the missing ones

Generate 1-page CV presenting first the applicant's **relevant skills** for the job and briefly the applicant's previous jobs and education background

“Smart” means that the system understands the user's profile and focuses on the relevant skills



Europass Smart CV

- In **e-Portfolio**, user is **suggested** a job vacancy based on her/his skills or **selects** a job vacancy from Find a job
- User is presented with a **separate section** on the screen with the **skills required** for the given job, the skills that s/he **has** and the **missing skills**
- User can **move skills** from “missing” to “have” and those skills are **automatically added** to his/her skills profile
- By clicking on “**Generate CV**”, user is presented with a **short CV**:
 - **My Skills related to this work opportunity** (in order of essentiality/relevance):
 - **Strategic thinking** and Establishing daily priorities, obtained through my 5y work experience in...
 - **Financial analysis** obtained through my Economics studies and my 10y work experience as a Credit risk analyst in banks X and Y
 - ...
 - **Work experience**: short outline of positions, responsibilities, employers and periods of time
 - **Education-Training**: short outline of qualifications, institutions and periods of time

 Personal information  

 Education  

 Skills   

 Work experience  

 [Add new section](#)



Johanna Smith

Position held

Nationality: English, Spanish
Rue picard des fleur, 52. 1050, Brussels (Belgium)

Skills

- Technical skills
- Leadership
- Human or Interpersonal Skills
- Time-management
- Work Under pressure
- Project Coordination
- Analytical skills

Digital skills

- Twitter
- Facebook
- Skype
- Zoom
- Social Media
- Outlook
- Bussines Analysis

Language skill

- Language 1 Mother tongue
- Language 2 Level AB
- Language 3 Level CA

Work Experience

Work experience 1 Company, country

MMM YYYY – PRESENT

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Work experience 2 Company, country

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Education

Education 1 Institution, country



MMM YYYY – MMM YYYY

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Personal information i ^

First name(s) * Family name(s) *

Date of birth

Nationality   [+ Add](#)

Contact

Email


Phone type Phone number


Address

Type

Address

Education i v

 **europa**



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 Personal information i v


 Education i v

 Skills ● i v

 Great! Employers recommend from **6 to 12 skills**

 The terms **"Technical Skills and Analytical Skills"** may seem **too broad**

Search or add new skill


Suggestions: + Project Planning  + Excel + Microsoft Office

Added skills

✕ Technical skills ✕ Leadership ✕ Human or itnerpersonal Skills ✕ Time-management

✕ Work Under pressure ✕ Project Coordination ✕ Analytical Skills

+ Add skills category

 Work experience i v





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 Personal information i v




 Education i v

 Skills i v


 Great! Employers recommend from **6 to 12 skills**


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Search or add new skill


-  Data Analysis
-  Statistical Analysis
-  Predictive Analysis

Analyti + Add new skill

 Add skills category

 Work experience i v





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 **Personal information**  

 **Education**  

 **Skills**  

 **Work experience**  




Occupation or position held

Select from list or enter text 

Company


From **To** **Ongoing**


Main activities and responsibilities


B I U    **X₂ X²**

As a [Job Title] in the [Industry/Sector], I take on a role in [Primary Objective]. My daily responsibilities are focused on achieving impactful results and supporting our team's success.

- I conduct [Specific Task] to drive [Outcome].
- I collaborate closely with [Team or Department] to ensure [Goal].

 **AI assistant**





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Job & Skill Trends: personalised suggestions based on user's profile

Items per page: 10 ▾

Showing 1–10 of 12



✓ One of your skills matches this group

✓ Several of your skills match this group

Occupation

Country

Trends

Browse by occupation

Enter an occupation to discover relevant skills and countries in which it is in high demand.

Occupation

Type the name of an occupation

i You recently searched for [corporate training manager](#), [ICT business analyst](#), [cost analyst](#).

Based on the information you have provided in your personal profile, you might be interested in looking for:

[cost analyst](#)

[ICT business analyst](#)

[corporate training manager](#)

[product manager](#)

[activity leader](#)



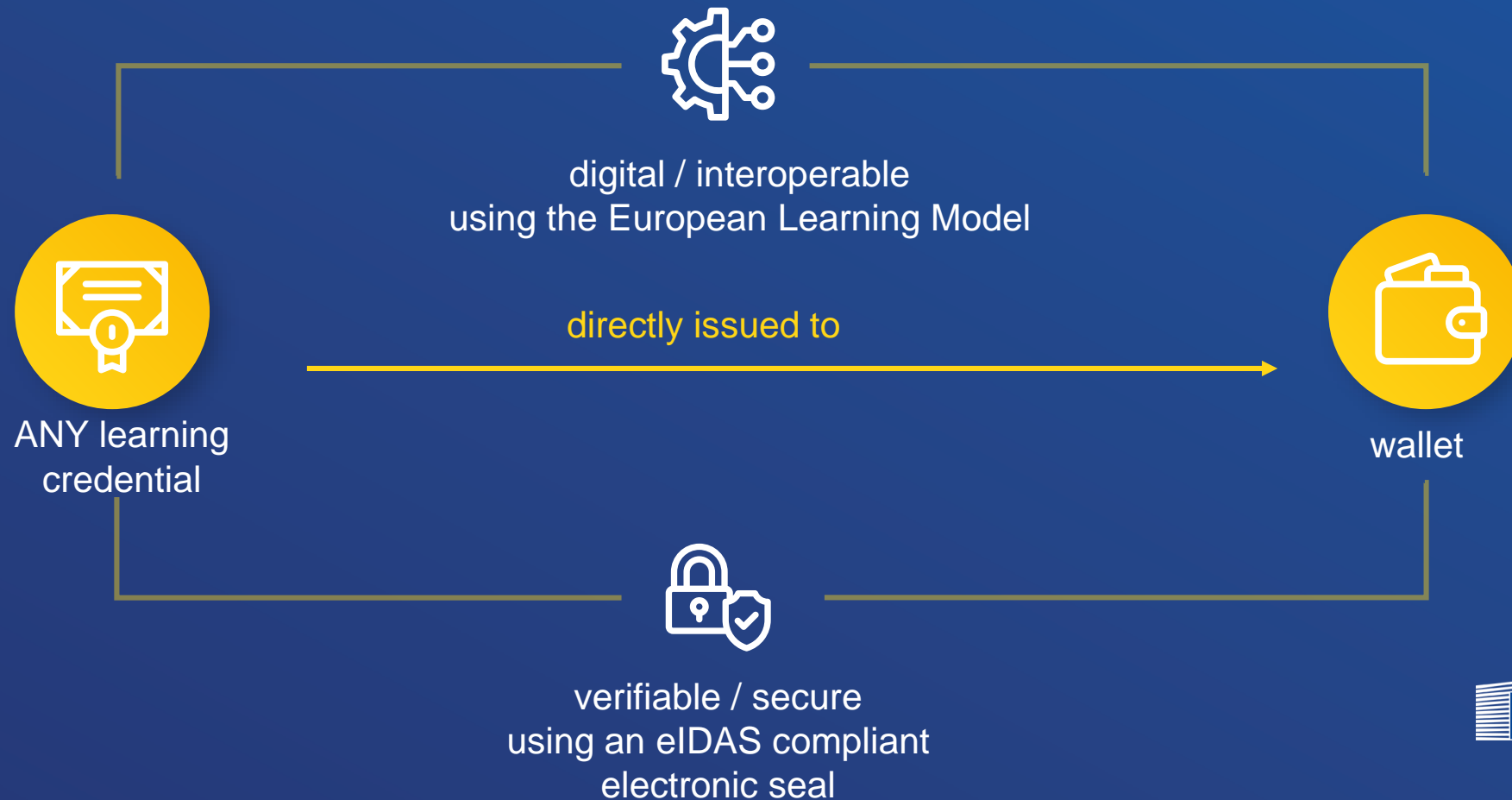
- Step one: Type in an occupation
- Step two: You will see the top skills required for that occupation
- Step three: Switch from skills to countries and you will see the EU countries ranked based on the highest demand for that occupation
- Step four: Interested in a specific country? Go to the Countries tab to see the top occupations that are in demand for that country

Check if you possess all necessary skills for your desired occupation

Make informed decision for your next learning or career step

WHAT IS A EUROPEAN DIGITAL CREDENTIAL FOR LEARNING?

A standardised digital presentation of our traditional learning credentials, securely received directly in one's digital wallet



WHY DO WE NEED DIGITAL CREDENTIALS?



**Digitalising
World**



Security & Trust



Recognition



**Showcasing
Knowledge &
Skills**



**Ownership of
Data**

SHOWCASING KNOWLEDGE & SKILLS



Learning Achievements can be linked to multiple learning outcomes



Learning Outcomes can be described in detail



Standard **knowledge and skill** concepts from ESCO and/or other taxonomies can be linked to Learning Outcomes



Linking **learning activities and assessments** can show means and proofs of Learning Outcomes

Digital micro-credential creation

Learning Provider Show less ^

Campus Square 429, D08 Dublin, Ireland

info@learningprovider.edu

Legal ID: 0000 Research Alliance ID: Res1818

Learning Outcomes

Communication, collaboration and creativity

Related ESCO Skills
[establish collaborative relations](#), [communicate with target community](#), [stimulate creativity in the team](#)

Related Skills
[manage findable accessible interoperable and reusable data](#)

Show less ^

Developing digital content

Reusability Level
cross-sector skills and competences

Related ESCO Skills
[develop digital content](#)

Related Skills
[Developing digital content](#),
[Developing digital content Level 4](#)

Show less ^

SUPPORTING RECOGNITION



Verify the origin

Electronic Seals provide trust in origin



Structured data

A single way of providing data. Improve the understanding of information and interoperability through the use of a single datamodel for learning related information (**European Learning Model**)



Multilingual by default

Provide and navigate content in 29 different languages



Interoperability

Aligned with existing frameworks (EQF/NQF, ISCED-F, ESCO, micro-credentials Recommendation, etc)



Accreditation

Instantly verify whether an institution is accredited to award a certain qualification



WHAT IS OFFERED BY THE EDC INFRASTRUCTURE?

Start with [web-based free tools](#)



BUILD

credential templates
in the Online Builder



ISSUE

Seal and award
credentials to owners



STORE

credentials securely in
one wallet



SHARE

credential information
with one click

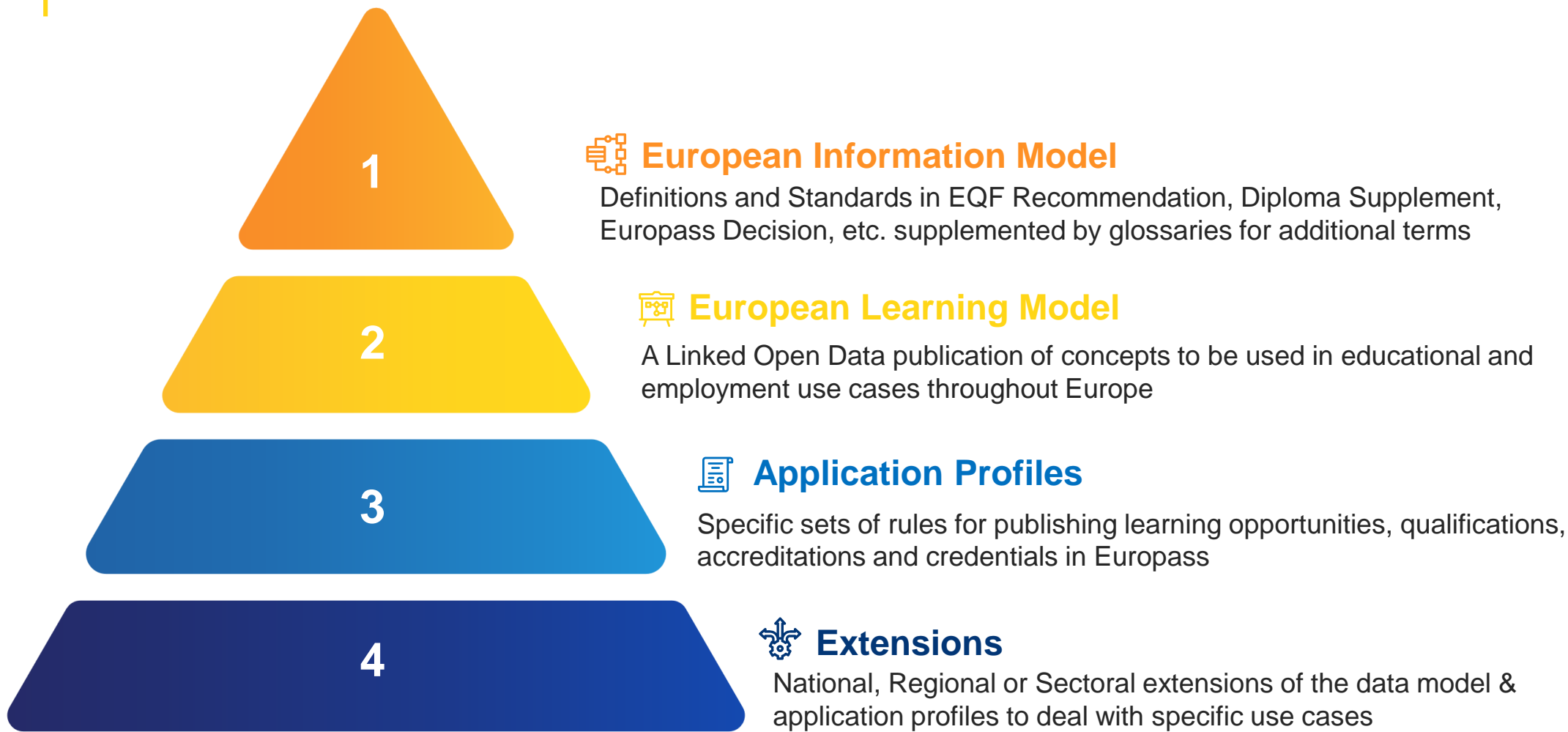


VERIFY

credential's
authenticity and
validity

Adopt custom-built implementation with [open-source code](#)

EUROPEAN LEARNING MODEL



THE DEVELOPMENT OF THE EUROPEAN LEARNING MODEL

- One of the key sources of ELM is the 2017 Council Recommendation on the **European Qualifications Framework**:
 - Annex VI: “Elements of data fields for the electronic publication of information on qualifications with an EQF level”
 - Recital 24: “...The use of common data structures and formats would facilitate the understanding and use of published information on qualifications”
- ELM also encompasses the data fields identified under Annex I of the 2022 Council Recommendation on a **European approach to Micro-Credentials** for lifelong learning and employability

ANNEX VI
Elements for data fields for the electronic publication of information on qualifications with an EQF level

DATA			Required/Optional
Title of the qualification			Required
Field ⁽¹⁾			Required
Country/Region (code)			Required
EQF Level			Required
Description of the qualification ⁽²⁾	Either	Knowledge	Required
		Skills	Required
		Responsibility and autonomy	Required
	Or	Open text field describing what the learner is expected to know, understand and able to do	Required

THE SUCCESS FACTORS OF ELM



UNIVERSAL

- Extensive and comprehensive
- Flexible
- Extendible



VERIFIABILITY

- Format and validity check
- Authenticity check
- Accreditation check (if applicable)



STANDARDISATION

- Describing learning opportunities, credentials and accreditation
- To describe learning of any kind or origin
- Referencing prominent vocabularies



PORTABILITY

- Multilingual (available in 29 languages)
- Relevant in education and employment

WHY DOES EUROPE NEED A LEARNING MODEL?



OBJECTIVES

- Semantic Standards for Learning
- Standardised expression of verifiable knowledge & skills
- Contributes to the EU Skills Data Space
- Multilingual (available in 29 languages)
- Removes barriers to recognition, supporting free movement
- Provides accreditation & transparency tools
- Reduces market fragmentation



BENEFITS

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

Accessibility and User testing

“Accessibility by design”: integrating accessibility from the early stages of a product or new functionality, making it a core part of the design rather than an afterthought.

Application of accessibility standards (Web Accessibility Directive, EN 301 549 v3.2.1 and WCAG 2.1 Level 'AA')



Considering **users' perspectives and needs** through various research methods

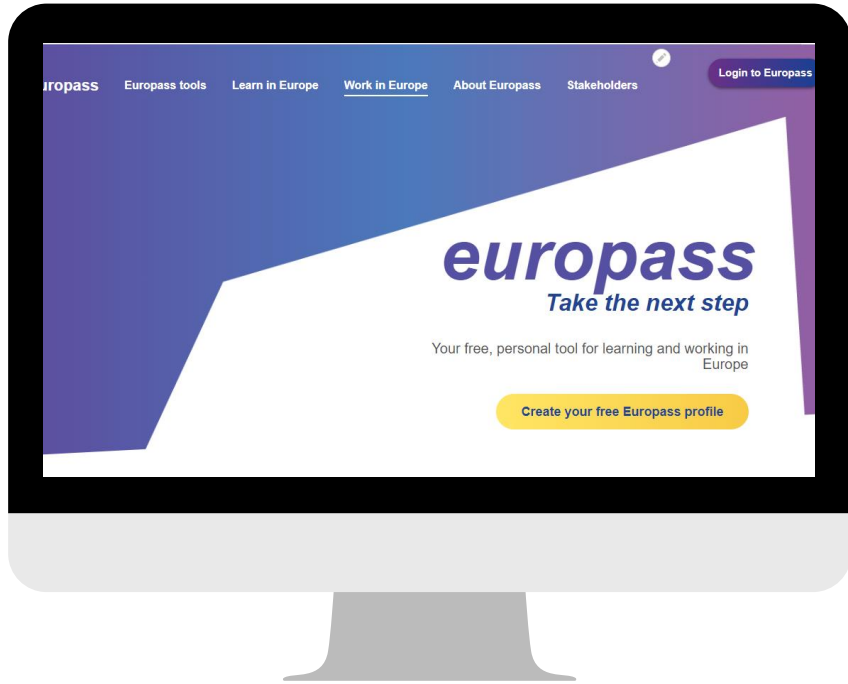
Testing to ensure that **Europass remains accessible over time**

User-testing exercise 2025 - supported by National Europass Centres

- Identification of usability issues and challenges across varying demographics and skill levels
- Opportunities for improvements/developments, based on user behaviour and feedback
- Identification of accessibility issues – to ensure that the platform is usable for all user groups, including disadvantaged groups, addressing any inclusivity gaps



europass



Europass Platform Demo

www.europass.eu