Technical aspects of ESCO

Country visit of the European Commission to Poland
Warsaw, 02-03 March 201 9

European Commission
Directorate-General for Employment, Social Affairs and Inclusion
Unit Skills and Qualifications

Current work activities

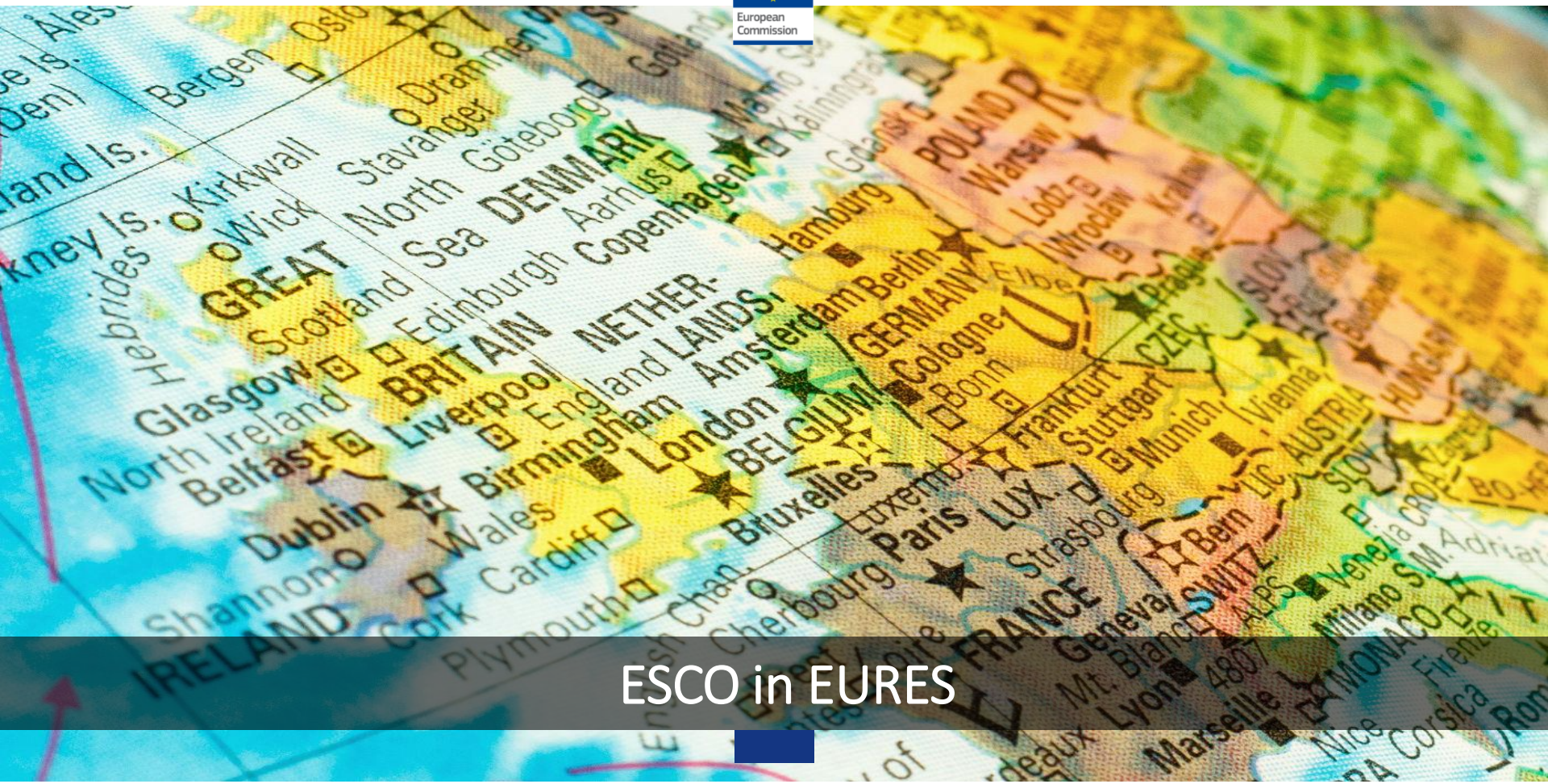
1. Implementation of ESCO: mapping of national skill and occupation classifications to ESCO.

2. Development of a hierarchy for the ESCO skills pillar.

3. Continuous improvement of ESCO for the delivery of ESCO version 1.1 in 2021.

1. Implementation of ESCO: mapping of national skill and occupation classifications to ESCO.

European Commission



ESCO in EURES

EURES Regulation (2016/589)

Article 19

Overall objective: enable automated matching on the EURES Portal

Implementing decisions

- COMMISSION IMPLEMENTING DECISION (EU) 2018/1020 of 18 July 2018 on the **adoption and updating of the list** of skills, competences and occupations of the European classification […]
- COMMISSION IMPLEMENTING DECISION (EU) 2018/1021 of 18 July 2018 on the **adoption of technical standards and formats** necessary […]

- 3 year timeframe for the establishment of an initial mapping to and from the European classification – deadline: 18 July 2021
- Technical + financial assistance provision

Implementing Decision (EU) 2018/1021

Article 6

Governance and updating of the technical standards and formats

1. All Member States shall appoint, and through their EURES National Coordination Offices, notify the European Coordination Office for EURES the details of, a **single point of contact** to which all requests, enquires and communications regarding the application of this Decision can be addressed.

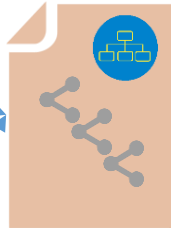
Agnieszka Majcher-Teleon
Ministry of Family, Labour and Social Policy, Labour Market Department
Agnieszka.Majcher-Teleon@mrpips.gov.pl

Implementation of ESCO at national level

Option 1: Adoption

JV

encoding with ESCO



JV encoded with ESCO

Option 2: Mapping

JV

encoding with national classification

correspondence table

transcoding service

Technical support for mapping (1)

Commission services to provide:

1. ESCO Implementation manual

2. Mapping platform accompanied by a user manual

3. Technical standards and formats necessary for the operation of the EURES common IT platform

Manuals available at:

https://ec.europa.eu/esco/portal/escopedia/Mapping_to_ESCO

4. Helpdesk
5. Trainings
6. Ad hoc support (including country visits)

Technical support for mapping (2)

Commission services provided:

7. Mapping pilots with EU Member States:
- Occupation mapping pilot (2014-2015) and
- Skills mapping pilot (2018)

Reports available at:

https://ec.europa.eu/esco/portal/escopedia/ESCO_occupations_mapping_pilot

https://ec.europa.eu/esco/portal/escopedia/ESCO_skills_mapping_pilot

1. ESCO Implementation manual

What is it?

A 7-step guide on how to:

- create mapping relationships of concepts between national occupation and skill classifications and ESCO;
- review and
- maintain them.

What does it include?

1. Types of mapping relations
2. Sample of mapping cases
3. Occupations vs. skills mapping
4. Principles and recommendations

2. ESCO mapping platform

Live demonstration

ec.europa.eu/esco/mapping/select

2. ESCO mapping platform user manual

What does it include?

- User roles: viewer, mapper, reviewer, administrator
- Prerequisites
- How to log into the platform
- How to select a mapping project
- How to browse, search and filter concepts
- How to establish, refine and review mapping relations
- How to import and export mapping tables
- …

3. Technical standards and formats necessary for the operation of the EURES common IT platform

Article 3 of Implementing Decision (EU) 2018/1020

Creation of mapping tables

1.All Member States shall […] create and use **machine-readable mapping tables** between each of […] classifications and the European classification […].

2. Member States shall create these tables in accordance with **common technical standards and formats** […].

3. Technical standards and formats necessary for the operation of the EURES common IT platform

Metadata header

Mapping project name	ESCO - Slovenia Occupations
Mapping project author	ESCO Secretariat
Mapping project version	N/A
Mapping project version date	2018-06-11
Classification 1 Name	Poklici ESCO
Classification 1 Concept type	Occupation
Classification 1 Version	1.0.3
Classification 1 Language	sl
Classification 1 Landing page	https://ec.europa.eu/esco/portal/occupation
Classification 2 Name	Slovenščina poklice
Classification 2 Concept type	Occupation
Classification 2 Version	1.0.0
Classification 2 Language	sl
Classification 2 Landing page	

Mapping relations

Classification 1 URI	Classification 1 PrefLabel	Classification 1 URL	Classification 2 I	Classification 2 PrefLabel	Classification 2 UF	Mapping relation	Editorial note
http://data.europa.eu/esco/occug	inlenir/inlenirka strojništva	http://data.europa.e	2144.01	Inlenir strojništva		skos:exactMatch	
http://data.europa.eu/esco/occug	inlenir/inlenirka strojništva za motorje	http://data.europa.e	2144.06	Inlenir strojništva za motorje in vozila		skos:broadMatch	
http://data.europa.eu/esco/occug	inlenir/inlenirka strojništva za vozila	http://data.europa.e	2144.06	Inlenir strojništva za motorje in vozila		skos:broadMatch	
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http://data.europa.eu/esco/occug	zdravnik specialist/zdravnica specialistka	http://data.europa.e	2212.01	Porodničar		skos:narrowMatc	
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http://data.europa.eu/esco/occug	zdravnik specialist/zdravnica specialistka	http://data.europa.e	2212.03	Urolog		skos:narrowMatc	
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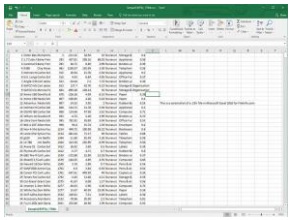
http://data.europa.eu/esco/occug	zdravnik specialist/zdravnica specialistka	http://data.europa.e	2212.08	Ortoped		skos:narrowMatc	

3. Technical standards and formats necessary for the operation of the EURES common IT platform

Uses a specific model of CSV data



Should provide the mapping table in a CSV file

4. ESCO Helpdesk

EMPL-ESCO-SECRETARIAT@ec.europa.eu

5. Training sessions

Objective

Explain the process of:

- ❑ mapping to/from ESCO
- ❑ replacing with ESCO and
- ❑ integrating ESCO

Forms

- ❑ classroom training (under the EURES training program)
- ❑ training webinars

5. Training sessions

Participation

National experts in charge of the mapping process

Timeline

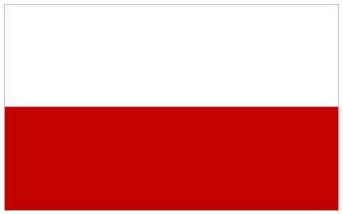
- ❑ Training webinar: 9 November 2019
- ❑ EURES training in Brussels: 14-15 May 2019

Preparation of the training webinar

Questionnaire on the trainings for mapping to ESCO or replacing the national, regional and sectoral classifications with ESCO according to the EURES Regulation EU 2016/589.

https://ec.europa.eu/esco/portal/escopedia/Training_sessions

14 Member States filled in the questionnaire.



Participation in the training webinar

List of participants
1. Austria
2. Bulgaria
3. Estonia
4. Germany
5. Italy
6. Latvia
7. Norway
8. Romania
9. Poland
10. Slovenia
11. The Netherlands

Follow up of the training webinar

- Presentations and recording on the ESCO portal
https://ec.europa.eu/esco/portal/escopedia/1st_Training_Webinar

- FAQ document and replies on the ESCO portal
https://ec.europa.eu/esco/portal/escopedia/Training_sessions

- **Questionnaire on the set up of a mapping project on the ESCO mapping platform** according to the EURES Regulation EU 2016/589 was re-distributed to the Member States
https://ec.europa.eu/esco/portal/escopedia/Mapping_to_ESCO

6. Ad hoc support (country visits)

10 April 2019

7. Mapping pilots with EU Member States

- Occupations mapping pilot with Public Employment Services in 2014-2015

- Skills mapping pilot with Public Employment Services in 2018

Objectives of the mapping pilots

Understand:

Process and resource requirements for the creation of the correspondence tables of occupations and skills.
Tools and/or services to support the mapping process.
Level of interoperability between ESCO and national classifications.
Level of interoperability among the national classifications during cross-border matching.

Participants of the skills mapping pilot

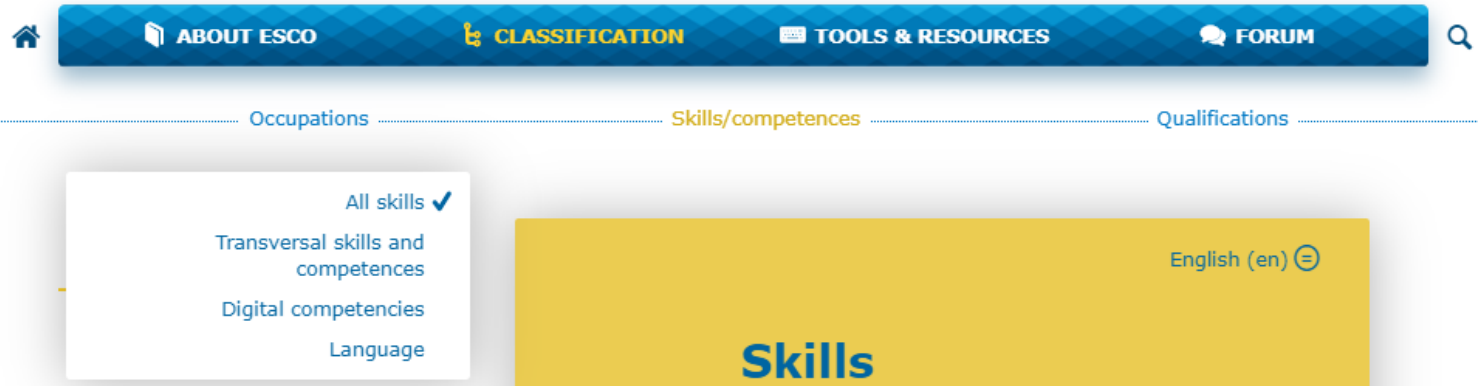
Participants

Observers

2. Development of a hierarchy for the ESCO skills pillar

European Commission

ESCO skills hierarchy



Further development of the skill hierarchy

Cluster all skills

6 March → End 2019

Revise and extend transversal skills

Coming up → End 2019

Basic elements of the hierarchy

- Mono-hierarchical structure;
- Combination of both occupation-specific and transversal skill categories;
- Two separate hierarchical structures: skills and knowledge.

Sources

Skills

- Canadian Job Bank
- O*NET

Knowledge

- ISCED-F

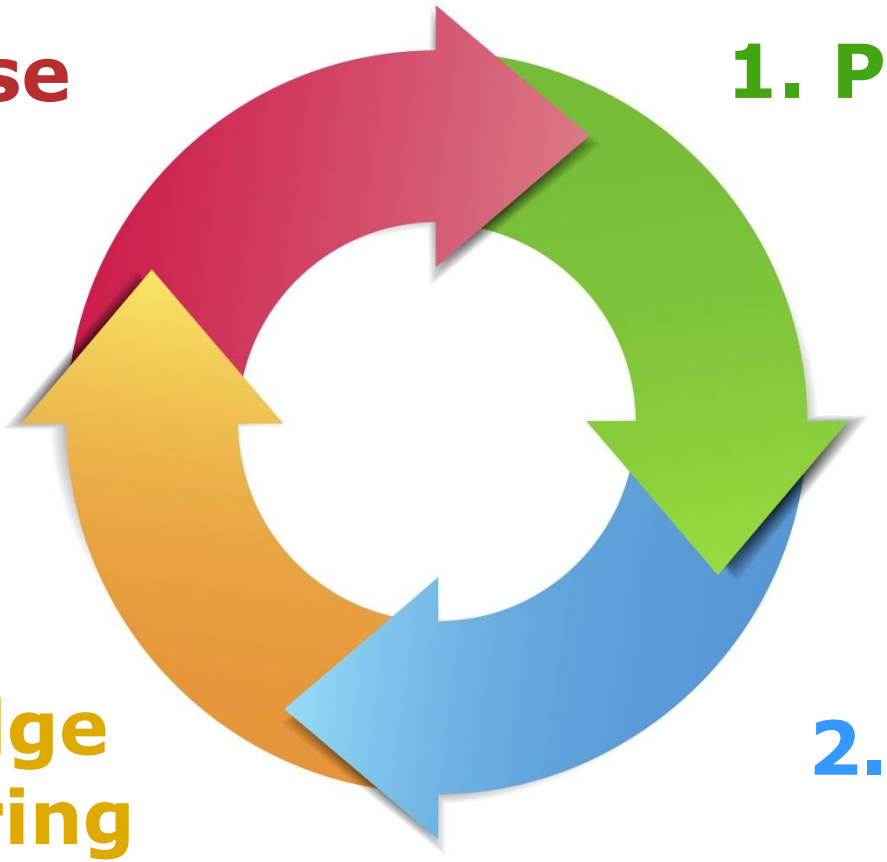
For more information, please contact: *Aikaterini.sylla@esco-support.eu*

3. Continuous improvement of ESCO for the delivery of ESCO v1.1 in 2021

Why ESCO needs to be updated

- Changes in the labour market;
- Changes in education/training;
- Changes in terminology;
- Changes in the requirements of IT applications;
- Correction of any identified issues.

Overview of the ESCO improvement process



ESCO
European Skills/Competences, qualifications and Occupations
European Commission > ESCO > Forum
ABOUT ESCO
CLASSIFICATION
TOOLS & RESOURCES
FORUM
Aikaterini SYLLA
Search Forum
New Discussion
Categories
Recent Discussions
Activity
All Categories
General information
General information about the ESCO Forum.
2 discussions 1 comment
Most recent: Welcome to the ESCO community fora! by Kenneth OE SUNDIN on March 15 March 15
Forum for domain experts
This forum provides organisations with strong expertise of the knowledge, skills and competences needed in specific economic sectors or specific occupations or into cross-sectoral knowledge, skills and competences with a collaborative space to share their comments, feedbacks and proposals for improving skills and occupations concepts. Occupations are allocated to 27 specific economic sectors following the division of economic activities of NACE rev 2.
5 discussions 1 comment Most recent: Grupo Primario 5312 ESCO by Nuria MOYES on 10:55AM 10:55AM
Forum for ESCO Implementers
This forum is dedicated to the ESCO implementers: organisations using the classification in order to provide products or services to customers or end users. This includes inter alia public and private employment services, job boards, HR software vendors, recruiters, career guidance services, training providers and awarding bodies. Various implementers are encouraged to provide their feedback and comments on any general or technical aspect related to the functioning of ESCO.
1 discussion 0 comments Most recent: Different occupations with identical literals by Roberto Lopez Pozas on March 27 March 27
Forum for the ESCO MAI
This forum is dedicated to the members of the ESCO Maintenance Committee. It provides Members with a dedicated space to express feedbacks and recommendations on specific topics related to the development of ESCO and to the works of the MAI. It also offers members the opportunity to discuss specific occupations and skills and knowledge concepts and to share experiences and feedback on the implementation of ESCO. It also offers a collaborative space to discuss labour-market related topics.
2 discussions 0 comments Most recent: Set your notification preferences by Francesco LOSAPPIO on March 21 March 21
Forum for Member States
This forum is dedicated to the representatives of the EU Member States and EEA countries members of the Member States Working Group on ESCO and to the national and regional officials in charge of the process for mapping NOCs and NSCs to ESCO. Members are encouraged to discuss issues related to the mapping exercise. Members are also encouraged to discuss communication activities related to ESCO and to provide feedback and comments on specific topics related to the works of the ESCO MSWG.
1 discussion 0 comments Most recent: Welcome!! by Francesco LOSAPPIO on March 21 March 21
Open access
Access by invitation

Community forum dedicated to Member States' representatives

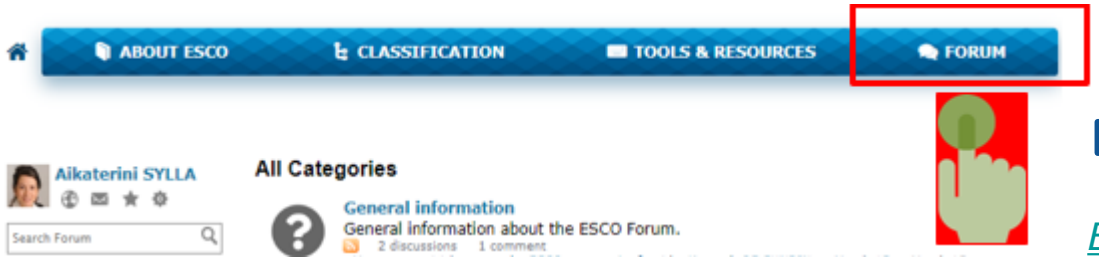
The forum serves to:

- Share experiences on the implementation of ESCO at national level
- Comment on the preliminary results of the mapping exercise
- Inform the Commission about specific events and communication activities related to ESCO
- Communicate with the ESCO Team

Access by invitation: HOW?

1. Register online

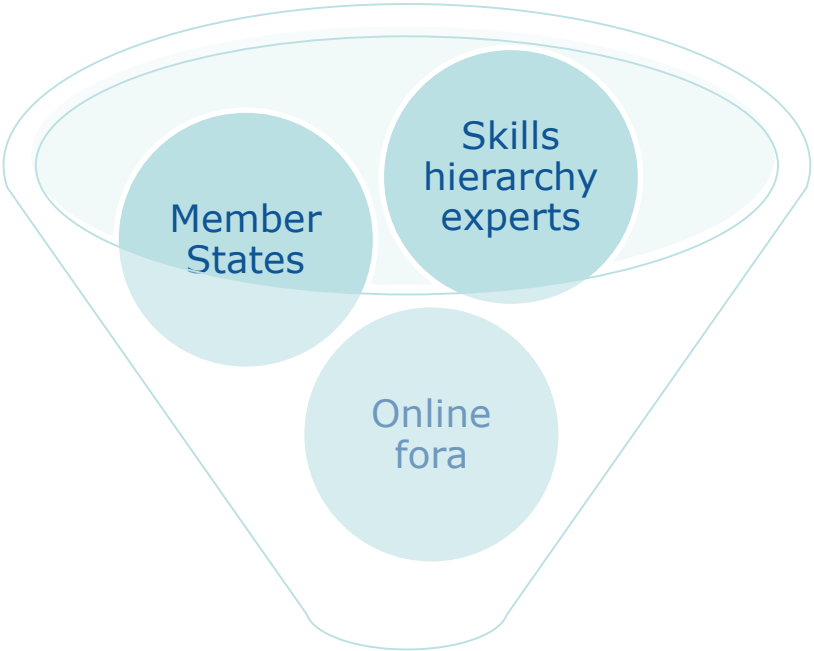
https://ec.europa.eu/esco/forum/

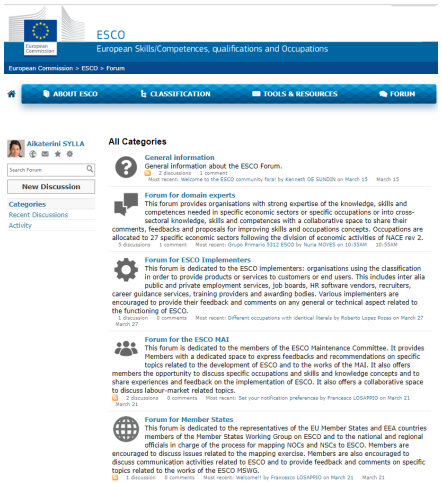


2. Email the ESCO support team

EMPL-ESCO-SECRETARIAT@ec.europa.eu

Information sources





Continuous improvement of ESCO

Thank you for your attention!

ANY QUESTIONS?