Member States Working Group on ESCO

ESCO MINOR VERSION V1.2.1. – CURRENT OVERVIEW AND NEXT STEPS

14 March 2025

Overview

Introduction

- ESCO minor version v.1.2.1

Consultation on ESCO V1.2. translations and EN NPTs

- Status of the Consultation

ESCOv1.2.1 content-related updates

- PT-NPT duplications
- Quality review on occupations
- Green skills

Next steps

European Commission

Introduction

- ESCO continuous update process.
- Quality improvements in the classification.
- **ESCOv1.2.1 minor version scope:**

→ Adjustments to translations across languages.

→ Inclusion EN NPTs to concept without non-preferred terms.

→ Content tasks: modifications of concept relations

- Consultation period is coming to end.
- Preliminary results on ESCOv1.2.1 content tasks are achieved.
- Analysis of first Consultation results has begun.

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Consultation on ESCOv.1.2.

Status of the Consultation

- 2 weeks to close Consultation period. Deadline → **28 March 2025**
- Goal: Make adjustments to language versions based on the feedback from Member States.
- MS provide their expertise on labour markets which is crucial for the proposed translations.
- Capture the language used in national labour market, avoiding literal translations.

- Consultation covers a total number of **1112 concepts.**
- Number of consulted non-preferred labels will vary by language**.**
- Provision of a large sample of alternatives to avoid conditioning validators, joint effort.
- Several Consultation outcomes are already collected. Analysis phase about to start.

Consultation

Status of the Consultation

- Detailed instructions were presented during the last MSWG.
- Goal: to validate and obtain at least 1 non-preferred term per concept.
- The focus of the validation should be on the terminology applied in national labour markets.
- Member States are invited to revise all labels based on available resources, **BUT**:

→ No need to go through all the proposed labels one by one. Objective: at least 1NPT.

→ Verify compliance of the proposed labels with terminological guidelines was not required.

→ Unapproved/unreviewed suggestions will not be included in the classification.

EN NPTs Figures

	Concepts	NPTs
EN NPTs OCCUPATIONS	28	67
EN NPTs SKILLS	175	452
EN NPTs KNOWLEDGE	173	368
	376	887

Unique translated concepts Figures

	Concepts
NEW OCCUPATIONS	35
NEW SKILLS	42
NEW KNOWLEDGE	195
	272

	Concepts
EXISTING OCCUPATIONS	64
EXISTING SKILLS	169
EXISTING KNOWLEDGE	231
	464

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ESCOv1.2.1 Content-related updates

- Content tasks under the scope of ESCO minor version.
- To enhance the quality of the classification in the upcoming version.
- Advance state of work.
- Preliminary results.

Content-related updates

REMOVAL OF PT-NPT DUPLICATIONS

- Identification of repetitions in EN and across ESCO languages.
- Removal of duplications in ESCOv1.2.1.
- Methodology

DATA COLLECTION

- Identify *PT-NPT* or *NPT-NPT* duplications within the same concept.

DATA PROCESSING

- Use of data science methods to identify duplications in an automated way.
- Scope: all concepts in 28 languages.

OUTCOME

- Duplications identified:

EN 87 occupations and 497 skills/knowledge

LANG FI 61; SV 47; IT 39; ET 51; ES 231; 52 DE + rest of LANGs.

Content-related updates

QUALITY REVIEW OF ESCO OCCUPATIONS

- Improve the consistency of the structure of the classification.
- Reflect market trends in ESCO skills-occupations links.
- Scope: Occupations with **70 or more essential or optional skills.**
- Reduce number of links to provide clarity and consistency to ESCO profiles.
- Confirm alignment of occupations with the labour market.

DATA COLLECTION

- Check the number of skills for all occupations to identify the number of cases that lied outside the main distribution.
- Establish threshold (70 essential or optional skills).
- Identification of 26 occupations above the threshold.

DATA PROCESSING

- Provision of concepts' metadata and existing/candidate skills links
- Frequency in online job vacancies and relevant metadata to support validation.
- Decision on the type of relations→ essential or optional.
- Balance essential/optional set

Content-related updates

QUALITY REVIEW OF ESCO OCCUPATIONS

- 26 occupations identified.
- Essential/Optional KSCs above threshold.
- Decompensated cases without clarity.

ESCOv1.2. OCC	Essential	Optional	KSC
ADVANCE NURSE PRACTITIONER	79	14	
APPLICATION ENGINEER	10	251	
BIOLOGIST	45	120	
CHIROPRACTOR	130	17	
CIVIL ENGINEER	21	293	
COMPLEMENTARY THERAPIST	6	153	
DRAFTER	12	144	
ELECTRICAL ENGINEER	22	234	
ENERGY ENGINEER	35	217	
FINANCIAL MANAGER	13	316	
HUMAN RESOURCES MANAGER	27	116	
INDUSTRIAL ENGINEER	14	256	
MANUFACTURING MANAGER	12	267	

ESCOv1.2. OCC	Essential	Optional	KSC
MARINE ENGINEER	16	124	
MARKETING MANAGER	33	136	
MECHANICAL ENGINEER	27	318	
OPERATIONS MANAGER	15	168	
PHARMACIST	104	19	
POLICY MANAGER	14	149	
SECONDARY SCHOOL TEACHER	24	191	
SERVICE MANAGER	13	201	
SOCIAL SERVICES MANAGER	61	108	
SOCIAL WORK LECTURER	88	56	
SOCIAL WORK RESEARCHER	95	3	
SOCIAL WORKER	62	196	
SPECIALISED SELLER	26	313	

Content-related updates

QUALITY REVIEW OF ESCO OCCUPATIONS

E.g. Social worker

- 137 links were removed such as *maintain telephony system or assist with funeral planning.*
- Essential and Optional sets balanced.

ESCOv1.2.1 OCC	Essential	Optional	KSC
ADVANCE NURSE PRACTITIONER	55	25	
APPLICATION ENGINEER	33	62	
BIOLOGIST	38	60	
CHIROPRACTOR	62	52	
CIVIL ENGINEER	30	66	
COMPLEMENTARY THERAPIST	7	66	
DRAFTER	24	67	
ELECTRICAL ENGINEER	40	60	
ENERGY ENGINEER	50	63	
FINANCIAL MANAGER	38	67	
HUMAN RESOURCES MANAGER	31	61	
INDUSTRIAL ENGINEER	9	68	
MANUFACTURING MANAGER	15	63	

ESCOv1.2.1 OCC	Essential	Optional	KSC
MARINE ENGINEER	19	54	
MARKETING MANAGER	43	66	
MECHANICAL ENGINEER	41	60	
OPERATIONS MANAGER	24	67	
PHARMACIST	65	21	
POLICY MANAGER	20	66	
SECONDARY SCHOOL TEACHER	30	67	
SERVICE MANAGER	30	63	
SOCIAL SERVICES MANAGER	61	108	
SOCIAL WORK LECTURER	58	60	
SOCIAL WORK RESEARCHER	59	56	
SOCIAL WORKER	53	68	
SPECIALISED SELLER	31	56	

Content-related updates

REVISION GREEN OCC-SKILL LINKS

- Revision of the green skills collection in ESCO in the context of the PES Network Taxonomy WG.
- Update of the green skills labelling to improve the consistency of greenness share for ESCO OCCs.
- Improve greenness of **23 occupations by revising skill-occupation relationships** & providing better links.

DATA COLLECTION

- Revise ESCO OCCs greenness level with respect to the expected greenness of the occupation.
- Sample of 1282 ESCO skills to update green labelling, regarding the ESCO definition of green OCCs.
- Definition of ESCO green OCCs based on the share of green skills associated to that occupation.

DATA PROCESSING

- Provide existing and candidate skill-occ links and concepts' metadata
- Update green skill labels.
- Revise essential/optional links.

- **Cases:**

Climatologist

No presence in OJV: deletion of "interact professionally in research"
Inclusion of "renewable energy"

Offshore renewable energy plant operator

No presence in OJV: deletion of "3D printing process"

Bed and Breakfast operator

No presence in OJV: deletion of "educate on sustainable tourism" (green)

Pesticides mixer

No presence in OJV: "wood preservation" (green)

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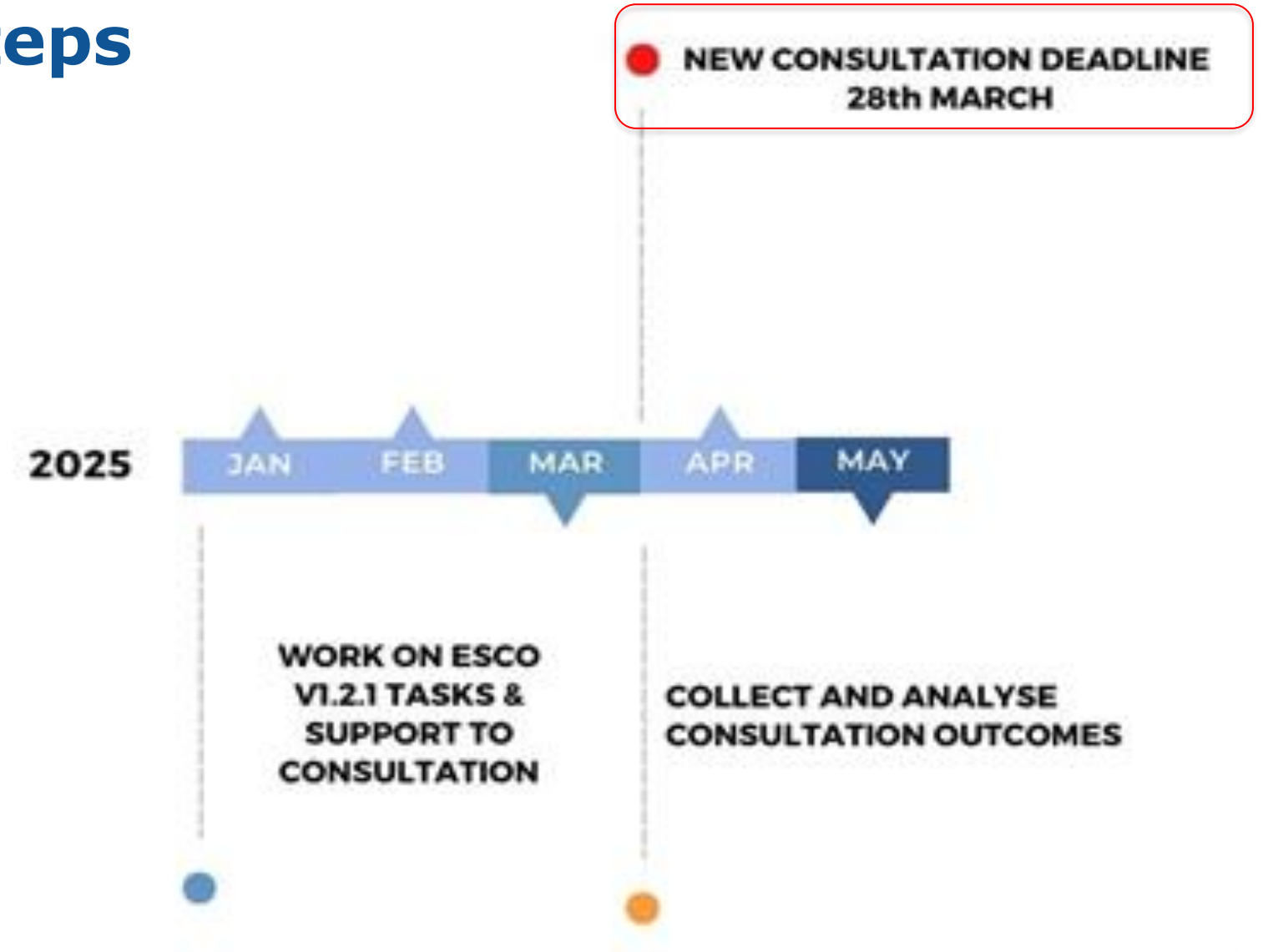
NEW CONSULTATION DEADLINE
28th MARCH
2025
JAN
FEB
MAR
APR
MAY
WORK ON ESCO V1.2.1 TASKS & SUPPORT TO CONSULTATION
COLLECT AND ANALYSE CONSULTATION OUTCOMES

Thank you!

The ESCO Secretariat is always available to support implementers.

May you have any question, please contact us via email at EMPL-ESCO-SECRETARIAT@ec.europa.eu.

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