Report on the results of the ESCO Online Consultation (Round 2)

European Commission

Employment, Social Affairs and Inclusion

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Purpose of the document

The document aims to brief the Maintenance Committee (MAI) on the results of the second round of the ESCO online consultation, especially on an overview of the participation, comments/ ratings received, added and removed occupations and the integration of the experts' feedback. This overview is shown also in comparison with the results of the first round of the online consultation.

Second round of the ESCO Online Consultation

The second round of the online consultation started on the 22nd of February 2016 and lasted until the 15th of April 2016.

Engagement of experts

In the second round, the Secretariat targeted experts for specific occupations. We started by contacting specific experts who participated in the first round of the online consultation based on the information provided on their fields of expertise during the registration period.

In the cases where the Secretariat could not find expertise for specific occupations in the database of experts registered in the online consultation, we proceeded to perform desktop research for new experts in those specific fields.

The first round of the online consultation closed with a total number of 1057 experts including those who registered for the Human healthcare and social services 2 (HEAL2) sector. The number of registrations increased by **73 new experts** for the second round to end up with a total of 1130 experts registered on the online consultation. The three sectors with the highest registrations were the 'Education', 'Engineering, Scientific, Technical activities' and `Human healthcare and social services 2´ sectors.

Sector	Total registrations (first round)	Total registrations (second round)	Total active users per sector [1](first and second round)
BUSI	78	78	101
CHEM	30	31	31
CONS	36	38	55
GOOD	14	17	34
EDUC	302	319	112
ELEC	14	16	22
ENER	30	33	35
META	14	14	24
FINA	69	70	45
MACH	14	14	25
MEDI	33	36	28
PERS	39	45	76
PUBL	70	73	45
SCIE	127	152	125
MTEQ	16	19	26
WOOD	24	25	26
HEAL 2	147	150	107
Total	1057	1130	

Table 1: Number of registered and active experts.

[1] This also includes experts from other sectors (cross-sectoral active users) and experts providing feedback by email or in meetings.

The table 2 below shows an overview of the total registered experts per type of organisation:

Users registered per type of organisation:		
European Institution	64	
Professional Association	252	
Education / Training Institute	266	
Employer / Private Company	117	
Other	134	
Employment Service	50	
Industrial Association	84	
National or Regional Public Administration	80	
Sector Skills Council	29	
Trade Union	63	
Statistical Organisation	1	

Table 2: Number of registered experts per organisation.

In the table 3 below, you can find an overview of the active participation in the online consultation per country.

	BUSI	CHEM	CONS	GOOD	EDUC	ELEC	ENER	META	FINA	HEAL2	MACH	MEDI	PERS	PUBL	SCIE	MTEQ	WOOD	total
BE	12	3	10	2	11	2	2	0	5	15	4	2	4	6	20	2	3	103
ES	10	3	5	6	11	5	3	4	3	4	4	3	7	4	11	5	5	93
UK	3	4	3	4	8	1	4	2	1	12	3	3	7	3	13	1	2	74
DE	4	4	4	3	5	3	4	3	2	13	3	2	6	2	8	3	2	71
HU	6	2	2	2	11	0	1	2	1	1	1	1	2	1	5	2	1	41
IT	7	0	1	0	4	1	3	1	4	5	1	0	2	2	6	1	0	38
NL	4	1	3	2	5	0	1	0	2	7	0	2	2	1	7	0	0	37
SI	6	3	1	1	4	0	2	2	3	0	1	1	5	2	2	0	2	35
FR	5	1	1	2	5	1	0	1	2	3	0	1	3	2	4	2	1	34
HR	2	1	3	3	3	2	1	1	1	2	1	3	1	1	4	1	2	32
IE	2	1	2	0	5	1	2	1	1	4	0	1	3	1	3	0	0	27
PT	1	0	1	0	4	0	1	1	0	7	0	1	2	2	5	2	0	27
RO	3	2	1	1	4	0	1	2	3	1	1	0	2	2	3	0	0	26
MT	3	1	1	0	3	0	2	1	2	0	0	1	4	2	3	0	1	24
SV	4	0	2	1	1	1	0	0	1	2	1	0	1	2	2	0	1	19
LV	3	1	1	0	1	1	1	1	1	2	1	1	0	0	2	1	0	17
CY	1	0	1	1	2	1	0	0	0	2	1	0	1	2	1	1	0	14
GR	2	0	0	0	3	0	1	0	0	0	0	1	2	1	3	0	1	14
AT	1	0	1	0	4	0	0	1	0	1	0	0	2	0	3	0	0	13
DK	2	0	0	0	2	0	0	0	4	3	0	0	1	1	0	0	0	13

FI	2	0	0	0	2	0	0	0	2	2	0	0	2	2	1	0	0	13
LU	2	0	1	0	1	0	1	0	0	1	0	0	2	2	1	0	0	11
PL	1	0	0	0	0	0	0	0	2	2	0	0	0	0	4	1	0	10
LT	2	0	1	1	1	0	0	0	0	0	0	0	0	2	2	0	1	10
EE	0	0	2	0	1	0	0	0	0	1	0	0	0	0	1	0	0	5
SK	1	0	0	0	2	0	0	0	0	0	0	0	1	0	1	0	0	5
CZ	0	0	0	0	1	0	0	0	0	2	0	0	1	0	0	0	0	4
BG	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
Other	12	4	8	6	8	3	5	1	5	14	3	5	13	3	11	5	4	110
SUM	101	31	55	35	112	22	35	24	45	107	25	28	76	46	126	27	26	921

Table 3: Number of active experts per country and sector.

Scope of the online consultation

In the second round of the online consultation, the Secretariat included only specific concepts that still needed further review by experts. The concepts bound to the second review were selected based on the following criteria:

- Concepts with ratings lower than 3 and no/unclear comments
- Concepts without ratings and without comments
- New occupations created as a result of the first round of the online consultation.

The total number of occupations open for the second round of the consultation was **488**, including those for the Human healthcare and social services 2 sector and some others from ESCO 11 occupations but still linked to the sectors of ESCO 16.

Sector	Nº OCCs opened	Nº OCCs reviewed
BUSI	18	12
CHEM	44	37
CONS	12	10
GOOD	32	10
EDUC	35	19
ELEC	9	8
ENER	23	17
META	9	3
FINA	7	7
MACH	3	3
MEDI	20	20
PERS	82	29
PUBL	59	7
SCIE	45	38
MTEQ	41	40
WOOD	22	11
HEAL 2	15	11
ESCO 11	12	14

Table 4: Number of OCCs opened and reviewed in the second round of the online consultation

A total of 299 of 488 occupation concepts were reviewed in the second round of the online consultation. It implies the 93% of the total number of occupations.

The Secretariat identified the following reasons to explain the absence of activity in some of the occupations:

- The sub-sector is very specific and there is a very limited expertise available
- Registered experts from the online consultation affirmed that they did not have the relevant expertise to comments on those concepts.

Experts' input

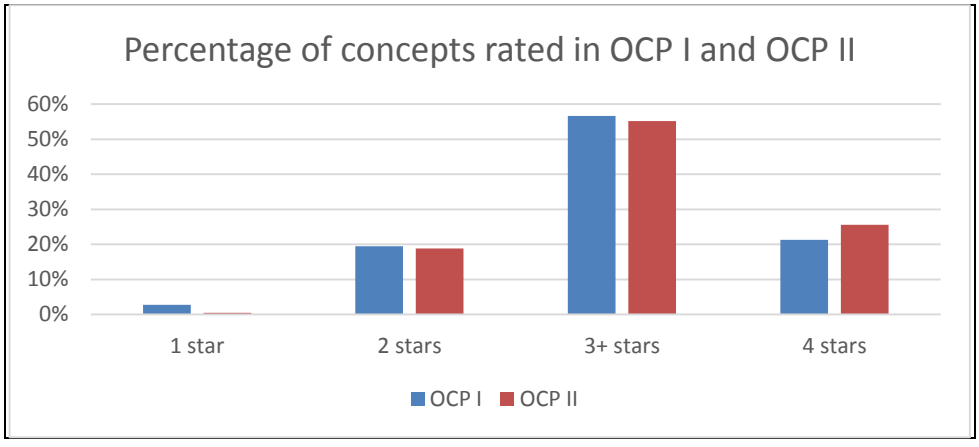
Comments and ratings

The ESCO Secretariat invited the experts to review the draft classification and express their feedback either by rating the concept or by writing a comment.

For the second round, the Secretariat mainly communicated with the experts via email. This includes experts sending collective feedback gathered by the experts' organisation.

In follow up of first round, the Secretariat did not include the new created occupations on the platform, but experts review these occupational profiles via direct contact by email or in meetings with the Secretariat.

Experts had the opportunity to rate the concepts' quality in ESCO with a star-based rating system. During the second round, the experts submitted **223 ratings**; one of the ratings on content was of one star, with the majority of ratings received as equal as or higher than three stars. In most cases, experts that rated a concept with one or two stars also submitted a comment to explain the reason why they did so. In case not, the Secretariat tried to contact those experts to ask for further explanation.



The experts submitted **387 comments** during the second round. The majority of these comments referred to the occupations but some referred to the economic sector or the knowledge, skills and competences. The experts also provided some questions or inquiries regarding ESCO methodology.

	First round of the online consultation	Second round of the online consultation	Total
Nº of ratings	3880	223	4103
Nº of comments	3501	387	3888

Table 5: Total number of comments and ratings

Sector	Nº of comments received in the first round of the online consultation	Nº of comments received in the second round of the online consultation[2]
BUSI	263	17
CHEM	87	27
CONS	228	19
GOOD	65	21
EDUC	431	20
ELEC	43	21
ENER	125	11
META	25	3
FINA	265	8
MACH	70	3
MEDI	294	21
PERS	133	37
PUBL	93	2
SCIE	346	96
MTEQ	37	58
WOOD	55	1
HEAL 2	941	22

Table 6: Total number of comments per sector in each round of the online consultation.

Experts' proposals on adding/deleting occupations

The Secretariat created the new concepts predominantly based on suggestions of experts. However, the removal of occupations was a consequence of the experts' feedback but also a result of structural changes or changes of the scope of other occupations.

In the table 7 below, there is an overview of the occupations created and deleted in the second round.

Second round of the online consultation		
Sector	New OCCs	OCCs created
BUSI	1	Business developer
ENER	1	Energy consultant
MTEQ	1	Transport equipment welder
SCIE	1	Audio describer
HEAL2	1	Nuclear medicine radiographer

Table 7: New occupations created per sector

[2] Some comments are applicable to more than one sector

Second round of the online consultation		
Sector	Delete OCCs	OCCs deleted
HEAL 2	1	Advanced radiographer
FINA	1	Damage appraiser
MTEQ	8	Motor vehicle welder, Aerospace welder, Naval welder Boat marine welder Vessel painter Aircraft painter Motor vehicle painter Railway car painter

Table 8: Occupations deleted per sector.

	Nº of OCCs	Nº of KSC
Before the OCP	2731	13311
OCP I	2746	13749
OCP II	2735	13227

Table 9: Number of occupations during the online consultation

When the Secretariat merged two occupations together, these occupations did not disappear completely from the classification. In most of the cases, the Secretariat added these occupations to the non-preferred terms of the newly created occupations.

Experts' proposals on the hierarchical structure

In some cases, the Secretariat adapted the hierarchical structure between occupations when creating broader parent occupations for the purpose of linking several related narrower occupations.

Experts did not suggest major changes to the occupation groups during the second round of the online consultation. In some cases, experts suggested minor changes to the structure and the Secretariat assessed the suggestion taking as starting point the structure of NACE. There were minor suggestions in the Construction, Energy and water supply, sewage and waste management and Wood processing, paper and printing sectors.

Experts' proposals on knowledge skills, competences (KSC)[3]

The total amount of KSC concepts increased the feedback from experts during both rounds of the online consultation.

Experts often suggested creating new KSC or new occupations with a specific set of KSC, which drastically increased the total amount of KSC.

There were some suggestions for adding skills on health and safety measures (Chemical industry, Manufacturing of electrical equipment, computer, electronic and optical products sector), or on security measures (Personal services, administrative support services and security and investigation activities sector).

In the case of the Human healthcare and social services 2 sector, some KSC were redefined to further distinguish the occupations referring to patients and the ones referring to clients.

Controversial/specific issues[4]

During the second round of the consultation, there were some specific comments related to the specificity of a Members State or cases where the experts suggested adding aspects related to work context. There were some comments on completing descriptions of occupations and KSC.

There were some specific comments per sector. There were for example some comments on the Human healthcare and social services 2 sector to add some specialisations for various occupations in areas such as psychotherapy.

In the Business administration sector, experts pointed out the need to better differentiate this sector with the Finance, insurance and real estate one. Experts also validated the structure created for the managerial occupations in the Business administration sector.

In the Chemical industry sector, experts suggested to add specialisations in glass manufacturing and in quality control subsectors.

In the Education sector some suggestions were aimed to better reflect educational levels.

In the case of the Manufacturing of machinery and equipment, except electrical equipment sector, experts suggested the complete restructuring of the 'Machinery repair, maintenance and installation' subsector.

Some comments in the Manufacturing of electrical equipment, computer, electronic and optical products sector pointed out the increasing importance of automation. There were several comments in various sectors on the need to reflect emerging trends, this is the case for example of the Energy and water supply, sewage and waste management or the Media sector.

Experts expressed the need to better redefine the occupational profiles to clearly differentiate Media from Arts, entertainment and recreation and Wood processing, paper and printing sectors.

[3] There is a more detailed overview on the experts' suggestions to the KSC in the sectoral overview in the last part of this document.
[4] There is a more detailed overview on the experts' specific suggestions in the sectoral overview in the last part of this document.

Integration of the experts' feedback

The Secretariat applied the same two main actions applied in the first round, to the second round:

- Check the compliance with the ESCO guidelines
- Where the suggestion of the expert is not clear or conflicts with other experts' feedback, the Secretariat and Taxonomy Experts Group (TEG) discuss, draft a possible solution and liaise with the experts to find a resolution on the matter

Effectiveness of the online consultation

All in all, the second round of the consultation made an important contribution to having the complete set of the ESCO 16 occupations revised by experts. After the closing of the second consultation round, the percentage of occupations revised by experts during both consultations rose to 93% in total, leaving only 7% of the occupations for ESCO 16 without revision from experts.

After the online consultation, the Secretariat has carried out a gap analysis between ESCO, the International Standard Classification of Occupations of 2008 (ISCO-08) and eight national occupational classifications. By this process the Secretariat is sure to also cover and review the part without revision in the consultation

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Sectoral overview

Business administration (BUSI)

A. Overview	
No of suggested occupations for creation	1
No of suggested occupations for deletion	0
No of OCC created	1
No of OCC deleted	0
No of comments received in general	17

B. Suggested changes in the sectoral breakdown			
Suggestion	**Actions taken**	**Reason**	**Organisation providing the suggestion**
None			

C. List of suggested occupations for creation			
Occupations	**Actions taken**	**Reason**	**Organisation providing the suggestion**
None			

D. List of suggested occupations for deletion			
Occupations	**Actions taken**	**Reason**	**Organisation providing the suggestion**
None			

E. List the main topics raised for the KSC		
KSC	**Actions taken**	**Reason**
An expert suggested to add "Foreign language" to the profile of "Call centre manager".	The comment has been rejected.	"Foreign language" is a transversal skill and therefore hasn't been added to the occupational profile.
An expert suggested to add "Knowledge of national security regulations" to the profile of "Security manager".	The comment has been approved and implemented.	The TEG created the KSC "safety regulations" and linked it to the profile. The KSC has been created without mentioning the national aspect, because it could be applicable to the regulations of a company too for example.

F. Controversial Issues/specific situations		
Suggestion	**Resolution**	**Organisation providing the suggestion**
Expert suggests that an "Advertising manager" may also be called an "Account manager" in the UK.	The comment has been rejected. Advertising managers do handle the accounts of clients, but only in the advertising field. The "account manager", who manages the accounts of clients in general, exists already in TRAD. The TEG decided not to merge the OCC. The NPT "advertising account manager" has been added to "advertising manager" instead.	Creative Skill Set

Chemical industry (CHEM)

A. Overview	
No of suggested occupations for creation	0
No of suggested occupations for deletion	0
No of OCC created	0
No of OCC deleted	0
No of comments received in general	27

B. Suggested changes in the sectoral breakdown			
Suggestion	**Actions taken**	**Reason**	**Organisation providing the suggestion**
None			

C. List of suggested occupations for creation			
Occupations	**Actions taken**	**Reason**	**Organisation providing the suggestion**
None			

D. List of suggested occupations for deletion			
Occupations	**Actions taken**	**Reason**	**Organisation providing the suggestion**
None			

E. List the main topics raised for the KSC		
KSC	**Actions taken**	**Reason**
An expert suggested to add the skills "ensure compliance with production schedules" and "keep records of work progress" the essential KSC profile of the occupation "Annealer".	The suggestion of the expert was implemented. The skills were moved from optional to essential skills.	The suggestion came from an expert in the field with an understanding of the occupation.
Expert suggested to add the skill "follow safety measures at work" to essential skills of the occupation "Belt Builder".	The suggestion of the expert was implemented. The skill was added to essential	The expert argued it was essential for a "Belt Builder" to have this KSC thus the suggestion was implemented.
An expert commented suggesting the occupation "Block machine operator" should not have "perform	KSC was moved from essential to optional KSCs.	The expert has a clear vision of the requirements for this occupational profile therefore the suggestion

machine maintenance" as an essential KSC.		was implemented.
An expert suggested to add the KSCs "Health and safety measures at work" and "personal protection equipment" to several occupational profiles such as "V-belt finisher" and "stone splitter".	KSCs "apply health and safety standards" and "use personal protective equipment" were added to essential KSCs.	The occupations work with machines that pose some risks when handling them. Therefore it makes sense to add these security related KSCs.

F. Controversial Issues/specific situations		
Suggestion	**Resolution**	**Organisation providing the suggestion**
None		

Construction (CONS)

A. Overview	
No of suggested occupations for creation	0
No of suggested occupations for deletion	0
No of OCC created	0
No of OCC deleted	0
No of comments received in general	19

B. Suggested changes in the sectoral breakdown			
Suggestion	**Actions taken**	**Reason**	**Organisation providing the suggestion**
Split 'underwater and height construction' in two parts. Remove height construction from the construction sector.	This suggestion has been rejected.	The comment is not according to the NACE guidelines, which lists this occupation group in 'other specialised construction activities not elsewhere classified', where activities concerning underwater and height construction are described.	International Powered Access Federation

C. List of suggested occupations for creation			
Occupations	**Actions taken**	**Reason**	**Organisation providing the suggestion**
None			
D. List of suggested occupations for deletion			
Occupations	**Actions taken**	**Reason**	**Organisation providing the suggestion**
None			

E. List the main topics raised for the KSC		
KSC	**Actions taken**	**Reason**
Add "pave crushed stone or ballast or asphalt layer" for occupation of rail layer.	Suggestion rejected.	Comment is already covered by the skill of "operate sleeper clipping unit" which covers this in its description.
Remove health and safety skills for "construction quality and safety inspector".	Suggestion rejected.	Suggestion of the expert was to split this occupation in two. Health and safety skills are included in quality and safety, concerning inspections on construction sites.
Add skills such as 'check quality control plan' and 'inspect quality control laboratory' to the "construction quality and safety inspector".	Suggestion rejected.	Skills such as 'statistical quality control' and 'total quality control' already cover the suggestion of the expert.

F. Controversial Issues/specific situations		
Suggestion	**Resolution**	**Organisation providing the suggestion**
Long descriptions of worker profiles and short ones for supervisor profiles.	Worker profiles generally have more detailed descriptions because they describe the process of the work done, while the 'skills' for supervisors are more described in their skills and competences.	Fundación laboral de la construcción
The work of carpenters is not always done on construction sites.	A question of work context is not included in the scope of the release of this version of ESCO.	Proskills UK

Energy and water supply, sewage and waste management (ENER)

A. Overview	
No of suggested occupations for creation	1
No of suggested occupations for deletion	0
No of OCC created	1
No of OCC deleted	0
No of comments received in general	11

B. Suggested changes in the sectoral breakdown			
Suggestion	**Actions taken**	**Reason**	**Organisation providing the suggestion**
The expert wonders why only 'renewable energy' is put in the 'Electric power' OG. The expert adds that there are also other sources that produce electricity such as fossil fuels and nuclear energy.	None.	This suggestion was already implemented in OCP1. This suggestion enforces the change that has been made.	Commissariat à l´Energie Atomique

C. List of suggested occupations for creation			
Occupations	**Actions taken**	**Reason**	**Organisation providing the suggestion**
Energy consultant	The occupation 'energy consultant' was created.	There exist more specific energy consultant such as 'solar sales consultant' and 'renewable energy consultant'. The suggested 'energy consultant' occupation fills the gap and provides a consultant for other types of energy.	Energy Institute

D. List of suggested occupations for deletion			
Occupations	**Actions taken**	**Reason**	**Organisation providing the suggestion**
None			

E. List the main topics raised for the KSC		
KSC	**Actions taken**	**Reason**
None		

F. Controversial Issues/specific situations		
Suggestion	**Resolution**	**Organisation providing the suggestion**
None		

Education (EDUC)

A. Overview	
No of suggested occupations for creation	0
No of suggested occupations for deletion	1
No of OCC created	0
No of OCC deleted	0
No of comments received in general	20

B. Suggested changes in the sectoral breakdown			
Suggestion	**Actions taken**	**Reason**	**Organisation providing the suggestion**
None			

C. List of suggested occupations for creation			
Occupations	**Actions taken**	**Reason**	**Organisation providing the suggestion**
None			

D. List of suggested occupations for deletion			
Occupations	**Actions taken**	**Reason**	**Organisation providing the suggestion**
Religion teacher secondary School	Rejected	After performing desktop research, the Secretariat concluded that this is a relevant occupation in the European labour market.	EvalUE

E. List the main topics raised for the KSC		
KSC	**Actions taken**	**Reason**
None		

F. Controversial Issues/specific situations		
Suggestion	**Resolution**	**Organisation providing the suggestion**
Add several new vocational teachers	The SEC decided to wait for the results of the gap	BW Bildung und Wissen

but on a more general level to reflect the whole range of occupations	analysis in order to determine if these occupations need to be added to ESCO or not	
Rework the health Educational profiles (including the nursing lecturer and the Medicine lecturer)	Nursing skills and medical skills were added to the profiles, ranging from various specialisations in the health sector (rheumatology, paediatrics, etc.). Both profiles were also reworked.	(sie kompetenzmanagement GmbH, European Medicines Agency)
Rework the "Communications lecturer", mainly concerning essential and optional skills	Profile was reworked and essential and optional skills reassessed.	AQUATT

Fabricated metal products, except machinery and equipment (META)

A. Overview	
No of suggested occupations for creation	0
No of suggested occupations for deletion	0
No of OCC created	0
No of OCC deleted	0
No of comments received in general	3

B. Suggested changes in the sectoral breakdown			
Suggestion	**Actions taken**	**Reason**	**Organisation providing the suggestion**
None			

C. List of suggested occupations for creation			
Occupations	**Actions taken**	**Reason**	**Organisation providing the suggestion**
None			

D. List of suggested occupations for deletion			
Occupations	**Actions taken**	**Reason**	**Organisation providing the suggestion**
None			

E. List the main topics raised for the KSC		
KSC	**Actions taken**	**Reason**
Rivet types	Adjusted description	Typo

F. Controversial Issues/specific situations		
Suggestion	**Resolution**	**Organisation providing the suggestion**
Adjust description of 'Metal sawing machine operator' to better reflect occupation	Implemented description as proposed by expert	Elopak EQS GmbH
Adjust description of 'Spark erosion machine operator' to	Implemented description as proposed by expert	Elopak EQS GmbH

better reflect occupation		

Finance, insurance and real estate (FINA)

A. Overview	
No of suggested occupations for creation	0
No of suggested occupations for deletion	1
No of OCC created	0
No of OCC deleted	1
No of comments received in general	8

B. Suggested changes in the sectoral breakdown			
Suggestion	**Actions taken**	**Reason**	**Organisation providing the suggestion**
None			

C. List of suggested occupations for creation			
Occupations	**Actions taken**	**Reason**	**Organisation providing the suggestion**
None			

D. List of suggested occupations for deletion			
Occupations	**Actions taken**	**Reason**	**Organisation providing the suggestion**
Damage appraiser	Discussed with Secretariat and merged with the occupational profile of "Loss Adjuster"	It is a relevant Occupation for the American Job market but not for the European Job market, whereas Loss adjuster is	Trae Union Pro

E. List the main topics raised for the KSC		
KSC	**Actions taken**	**Reason**
None		

F. Controversial Issues/specific situations		
Suggestion	**Resolution**	**Organisation providing the suggestion**
In Italy the activities in its description are part of an administrative function. It would be better to rename the occupation to "Compensation Policies Manager" and change its description. Titles for these persons can be for example personnel assistant, personnel specialist or HR manager.	The suggested term was researched and rejected, since the job market relevancy was low. Since this profile is included in the scope of "human resource management," we added this as an NPT to "Human resource manager" in the BUSI sector after discussing this issue with the secretariat.	Fondo Banche Assicurazioni, Trae Union Pro

Human healthcare and social services 2 (HEAL2)

A. Overview	
No of suggested occupations for creation	1
No of suggested occupations for deletion	1
No of OCC created	1
No of OCC deleted	1
No of comments received in general	22

B. Suggested changes in the sectoral breakdown			
Suggestion	**Actions taken**	**Reason**	**Organisation providing the suggestion**
None			

C. List of suggested occupations for creation			
Occupations	**Actions taken**	**Reason**	**Organisation providing the suggestion**
Nuclear medicine radiographer	Implemented	Specialization of the radiographer	European Federation of Radiographer Societies

D. List of suggested occupations for deletion			
Occupations	**Actions taken**	**Reason**	**Organisation providing the suggestion**
Advanced radiographer	implemented	This is a newly created OCC following OCP1 feedback from TEHY (The Union of Health and Social Care Professionals). The OCP2 expert providing feedback was sent this OCC through email to review. She wants ISCO and ESCO to be aligned in addition to the deletion of this OCC because although it has different KSCs than the other Radiographer	European Federation of Radiographer Societies

		OCCs, this OCC also studied further with different qualifications. A labour market relevancy check has found this OCC. HEAL has a number of other "advanced" OCCs such as "Advanced physiotherapist" and "Biomedical scientist advanced," so this is also not the first OCC to be like that.	

E. List the main topics raised for the KSC		
KSC	**Actions taken**	**Reason**
Repetitions of comments already dealt with in OCP1. Ex: Remove KSC- *provide chiropractic diagnosis*	Implemented	This was already a suggestion by an expert in OCP1 and was implemented before OCP2 began. The KSC was not related to the OCC that it was linked to "Osteopath."

F. Controversial Issues/specific situations		
Suggestion	**Resolution**	**Organisation providing the suggestion**
Merge Orthotist and Prosthetist together or keep them separated with the same descriptions and skills	implemented. In OCP1, "Orthotist" was the NPT for the OCC "Prosthetist." A comment received on OCP1 led to the splitting of the two terms, creating separate OCCs for each. The same expert who suggested the addition of the Orthotist OCC in OCP1 now wishes to combine it with the "Prosthetist" again with the PT as "Prosthetist Orthotist," which is against ESCO	International Society for Prosthetics and Orthotics

	guidelines. She was sent this OCC through email to review. She suggests to keep them as separate OCCs with the exact same profiles if the combined PT is not possible.	
Change the structure of ESCO OCCs in "Laboratory medicine" OG. Ex*: I would say that Anatomical pathology technician, phlebotomist and cytoscreener are part of the work of the Profession Biomedical Scientist. Medical Laboratory Assistant is a occupation, not a profession such as biomedical scientist. Not having the some entry level or Knowledge, Skills and Competences of a Biomedical Scientist. Would clearly highlight the differences.*	Rejected. The expert had similar suggestions in OCP1 to create a hierarchy, and does not understand that ESCO deals with OCCs and not professions. This is something he suggested multiple times in OCP2 and is based on qualifications rather than KSCs. He also gave a rating of 3+ stars for each concept he commented on, meaning that the content itself was ok.	European Association for Professions in Biomedical Science
Suggestions for descriptions not according to guidelines. Ex: *An osteopath is an individual who has completed an appropriate education in osteopathy and continues to demonstrate the required standards.*	Implemented as a formal definition for the "Osteopath" OCC following discussion between SEC and TEG. This suggestion is the CEN Standard of the General Osteopathic Council and does not fit into description guidelines. It fits better as a formal definition for the OCC.	CORPP

Manufacturing of consumer goods except food and textiles (GOOD)

A. Overview	
No of suggested occupations for creation	2
No of suggested occupations for deletion	0
No of OCC created	0
No of OCC deleted	0
No of comments received in general	21

B. Suggested changes in the sectoral breakdown			
Suggestion	**Actions taken**	**Reason**	**Organisation providing the suggestion**
None			

C. List of suggested occupations for creation			
Occupations	**Actions taken**	**Reason**	**Organisation providing the suggestion**
Wood treatment operator	The creation of this occupation has been rejected.	"Wood treater" exists already in the WOOD sector and fits more in there. The SEC added "Wood treatment operator" as a NPT to it.	Proskills
Wood machine operator	The creation of the "Wood machine operator" instead of the "Wood boring machine operator" has been rejected.	The "Wood machine operator" is too general and shouldn't be created. Moreover, there are already occupations such as wood turner, wood sander, and dowel machine operator in WOOD which are as specific as the "Wood boring machine operator".	Proskills

D. List of suggested occupations for deletion			
Occupations	**Actions taken**	**Reason**	**Organisation providing the suggestion**
None			

E. List the main topics raised for the KSC		
KSC	**Actions taken**	**Reason**
"Finish animal structure"	Description has been changed in order to also include small animals.	An expert suggested to adapt the description of the skill in order to not only include large animals but also the small ones.

F. Controversial Issues/specific situations		
Suggestion	**Resolution**	**Organisation providing the suggestion**
Restructuring and grammatical corrections of descriptions.	Descriptions of many occupations were also improved to reflect suggestions on grammar and scope of practice.	Elopak EQS GmbH

Manufacturing of electrical equipment, computer, electronic and optical products (ELEC)

A. Overview	
No of suggested occupations for creation	0
No of suggested occupations for deletion	0
No of OCC created	0
No of OCC deleted	0
No of comments received in general	21

B. Suggested changes in the sectoral breakdown			
Suggestion	**Actions taken**	**Reason**	**Organisation providing the suggestion**
None			

C. List of suggested occupations for creation			
Occupations	**Actions taken**	**Reason**	**Organisation providing the suggestion**
None			

D. List of suggested occupations for deletion			
Occupations	**Actions taken**	**Reason**	**Organisation providing the suggestion**
None			

E. List the main topics raised for the KSC		
KSC	**Actions taken**	**Reason**
Compliant Materials Selection	Created and linked the KSC 'ensure material compliance'	The expert states that this should incorporate the clearly documented company's policy to use only legally compliant materials: metals and solders free of banned heavy metals above the legal threshold. This needs to be contractually fixed with suppliers. TEG agreed and created the KSC concept.

F. Controversial Issues/specific situations		
Suggestion	**Resolution**	**Organisation providing the suggestion**
None		

Manufacturing of machinery and equipment, except electrical equipment (MACH)

A. Overview	
No of suggested occupations for creation	0
No of suggested occupations for deletion	0
No of OCC created	0
No of OCC deleted	0
No of comments received in general	3

B. Suggested changes in the sectoral breakdown			
Suggestion	**Actions taken**	**Reason**	**Organisation providing the suggestion**
None			

C. List of suggested occupations for creation			
Occupations	**Actions taken**	**Reason**	**Organisation providing the suggestion**
None			

D. List of suggested occupations for deletion			
Occupations	**Actions taken**	**Reason**	**Organisation providing the suggestion**
None			

E. List the main topics raised for the KSC		
KSC	**Actions taken**	**Reason**
None		

F. Controversial Issues/specific situations		
Suggestion	**Resolution**	**Organisation providing the suggestion**
Adjust occupation descriptions	Implemented	Elopak EQS GmbH

Manufacturing of transport equipment (MTEQ)

A. Overview	
No of suggested occupations for creation	0
No of suggested occupations for deletion	0
No of OCC created	1
No of OCC deleted	8
No of comments received in general	57

B. Suggested changes in the sectoral breakdown
None

C. List of suggested occupations for creation
None

D. List of suggested occupations for deletion
None

E. List the main topics raised for the KSC
None

F. Controversial Issues/specific situations		
Suggestion	**Resolution**	**Organisation providing the suggestion**
Obsolete all "welder" occupation in this sector and link the general "welder" from META to the assembling occupation groups.	After the Maintenance Committee meeting in March it was decided that there were too much welding occupations in the classification. Therefore the "motor vehicle welder", "aerospace welder", "naval welder" and "boat marine welder" were obsoleted. TEG linked the "welder" from META to MTEQ.	MAI and SEC
Merge painting occupations into one "transport equipment painter".	TEG obsoleted the "vessel painter", "aircraft painter", "motor vehicle painter" and "railway car painter". They were merged into one OCC "transport equipment painter". This OCC has as optional skills all the specific skills the 4	SEC

	obsoleted had. TEG linked the newly created occupation to all the subsectors in the sector.	

Media (MEDI)

A. Overview	
No of suggested occupations for creation	0
No of suggested occupations for deletion	0
No of OCC created	0
No of OCC deleted	0
No of comments received in general	21

B. Suggested changes in the sectoral breakdown
None

C. List of suggested occupations for creation
None

D. List of suggested occupations for deletion
None

E. List the main topics raised for the KSC		
KSC	**Actions taken**	**Reason**
Requests to remove skills from occupational profiles. For example "manage employees" from Newspaper editor.	In some cases TEG removed the KSC from the profile, and in others moved them to optional skills.	TEG did a labour market relevancy check to verify if the suggested KSC should indeed be removed from the occupational profiles. When the job vacancies didn't mention the suggested KSC, TEG removed it from the profile. When some job postings did mention the KSC, TEG moved it to optional skills.
Request to add skills to occupational profiles. For example "fencing" to the Stunt performer or "language proficiency" to the Newspaper editor.	In some cases TEG added the skills to the profiles, and in other cases the suggested skills were already covered by skills attached to the occupational profiles.	TEG did a labour market relevancy check to verify if the suggested KSC should indeed be added to the occupational profiles. When the job vacancies did mention the suggested KSC, TEG added it to the profile.

F. Controversial Issues/specific situations		
Suggestion	**Actions taken**	**Organisation providing the suggestion**
Adapting the description of the 'miniature set designer' to better represent the role they play in adding visual effects to a motion picture production.	TEG added to the description that they also build models to create visual effects.	Creative Skillset
Changing the label of Costume attendant to "costume assistant".	After a labour market check, TEG found that "costume attendant" is more commonly used. "Costume assistant" was added as a non-preferred term.	Creative Skillset
Changing all references to "video and motion picture production" to "television and motion picture production".	NACE also uses "video and motion picture production". TEG decided to not change the references, because "video and motion picture" is more inclusive and also includes television.	Creative Skillset

Personal services, administrative support services and security and investigation activities (PERS)

A. Overview	
No of suggested occupations for creation	1
No of suggested occupations for deletion	0
No of OCC created	0
No of OCC deleted	0
No of comments received in general	37

B. Suggested changes in the sectoral breakdown			
Suggestion	**Actions taken**	**Reason**	**Organisation providing the suggestion**
None			

C. List of suggested occupations for creation			
Occupations	**Actions taken**	**Reason**	**Organisation providing the suggestion**
Funeral Director	Profile of "funeral services director" was adapted	The occupation the expert proposed to add already existed in form of the "funeral services director". The expert suggested to adapt the description and KSC profile in order to reflect the business aspects of the occupation. KSCs such as "business management principles", "manage financial aspects of a company" and "analyse financial performance of a company" were added to the KSC profile.	European Federation of Funeral Services

D. List of suggested occupations for deletion			
Occupations	**Actions taken**	**Reason**	**Organisation providing the suggestion**
None			

E. List the main topics raised for the KSC		
KSC	**Actions taken**	**Reason**
An expert commented on the KSC "european pesticide legislation" suggesting to add a KSC referring to national legislation on pesticides.	KSC "national pesticide legislation" created and added to the occupational profile of "pest management worker".	According to the expert, the use of biocide, which is part of the broader term pesticides is not harmonised across Europe. Therefore, it is important to include the importance of national legislation on pesticide products.
An expert commented on the occupation "housekeeper" suggesting to move coordination and supervision KSCs from optional KSCs to essential KSCs.	The suggestion was rejected.	The profile of the housekeeper should be representative for both small and big households. A housekeeper in a smaller household will not need to conduct supervisory or coordination activities since there will not be any staff under the housekeeper.
An expert suggested to modify the KSC profile of "home care aid" with a KSC which describes the prevention of social isolation of the patient.	KSC "promote prevention of social isolation" was created and added to the optional KSC profile of "home care aid".	The KSC is significant since many patients of "home care aids" are immobile and not able to move outside their home. They easily loose contact with the outside world and end up isolated and with no social contacts. Therefore, it is very positive for a person in need of care if he is supported in maintaining or making social contact.
An expert suggested to add a KSC to the profile of "home care aid" for the promotion of environmental friendly practices in the household.	The suggestion was rejected.	The KSC is not relevant for this OCC as it is a personal preference to work environmentally friendly.

F. Controversial Issues/specific situations		
Suggestion	**Resolution**	**Organisation providing the suggestion**
Change "pest control" to "pest management" in the terms of occupations and KSCs	Suggestion of the expert was implemented. The pest managers try to get away from the term control as they think their tasks go beyond controlling. Management	Confederation of European Pest Management Associations (CEPA)

	implies they find solutions to problems whether controlling seems as if they only stop the issues from becoming growing.	

Public administration, defence and membership organisations (PUBL)

A. Overview	
No of suggested occupations for creation	0
No of suggested occupations for deletion	0
No of OCC created	0
No of OCC deleted	0
No of comments received in general	2

B. Suggested changes in the sectoral breakdown			
Suggestion	**Actions taken**	**Reason**	**Organisation providing the suggestion**
None			

C. List of suggested occupations for creation			
Occupations	**Actions taken**	**Reason**	**Organisation providing the suggestion**
None			

D. List of suggested occupations for deletion			
Occupations	**Actions taken**	**Reason**	**Organisation providing the suggestion**
None			

E. List the main topics raised for the KSC		
KSC	**Actions taken**	**Reason**
The skill 'develop curriculum' must be an essential skill for a lecturer.	The comment has been accepted and the SEC moved the skill from optional to essential.	An expert suggested to have 'develop curriculum' as an essential skill in the profile of lecturer since this is a basic skill of a lecturer.

F. Controversial Issues/specific situations		
Suggestion	**Resolution**	**Organisation providing the suggestion**
Membership manager	'Membership Manager' is an occupation that has been suggested after OCP1 by EUREC. The SEC created the occupation and the	EUREC

	profile has been sent to EUREC in order to get feedback on it. As a result, the profile has been reviewed and approved.	

Scientific and technical activities (SCIE)

A. Overview	
No of suggested occupations for creation	4
No of suggested occupations for deletion	0
No of OCC created	1
No of OCC deleted	0
No of comments received in general	96

B. Suggested changes in the sectoral breakdown			
Suggestion	**Actions taken**	**Reason**	**Organisation providing the suggestion**
None			

C. List of suggested occupations for creation			
Occupations	**Actions taken**	**Reason**	**Organisation providing the suggestion**
Literary / editorial translator Technical/scientific translator	An expert suggested to split the "Translator" into a "literary/editorial translator" and a "technical/scientific translator" because the occupational profile is otherwise too broad.	The TEG didn't create any new occupations, but checked that both terms are included as NPTs of the "Translator". The specificities of both occupations are expressed in the optional skills.	AlfaBeta – Language and Webconsultants
Legal translator next to Lawyer Linguist	An expert stated that there are "legal translators" in Italy. "Lawyer linguist" is a very rare occupation, just a few lawyers do linguistic activities, but the expert is not sure if he would call them linguists. This comment has been implemented.	The discussion about the "Lawyer linguist" was addressed in the OCPI. The NPT "legal translator" had already been added as NPT to the profile of "Lawyer linguist".	AlfaBeta – Language and Webconsultants
Audio describer (Will be discussed in section F. Controversial Issues/			

specific situations.)			

D. List of suggested occupations for deletion			
Occupations	**Actions taken**	**Reason**	**Organisation providing the suggestion**
None			

E. List the main topics raised for the KSC		
KSC	**Actions taken**	**Reason**
Remove "Develop translation memory softwares" from the OP "Localiser".	This comment has been approved and implemented.	This skill is not relevant for this occupation.
Add "philosophy" and "culture studies" to "Anthropologist"	This comment has been partially approved and implemented.	These KSCs are relevant for the profile. As a result "philosophy" has been added to the profile. "Study cultures" however, was already present in the occupational profile and didn't have to be added anymore.

F. Controversial Issues/specific situations		
Suggestion	**Resolution**	**Organisation providing the suggestion**
"Audio describer" suggested in a meeting.	This occupation has been suggested in a meeting and not on the Online Consultation Platform. The experts suggested this occupation because it's different from the voice-over actor in MEDI. The voice-over actor has been unlinked as a result.	DGT and UCL IRIS Institutional Research Information Service.
An expert gave a comment on the entire Economic Sector. She was wondering if Humanities have been excluded, because Humanities are included in all other EU classifications of sciences, in the DARIAH network too.	This comment has been researched by the TEG. After OCPI the TEG did the check of ESCO coverage of OCCs included in Humanities which was endorsed by an expert later on. There is no need to create an OG for Humanities since the OCCs	Vilnius University – Faculty of Communication

	are scattered in the entire ESCO classification.	
An expert gave some extensive advice concerning the structure of the descriptions for the Subsector "Social science activities" (and perhaps for all Science research): a) It could be composed of three parts: - The basic description (e.g. …perform research for…) - Fundamental aspects of research (e.g. …the aim of their studies is…) - Applied aspects of research (e.g. …advise government and business organisations …). b) Formation of the sets of essential and optional skills by "standardized" three levels structure: - researcher skills in general (skills are included (repeatable) to the sets of all researchers, e.g. skill "apply scientific methods" or "perform scientific research"); - social sciences researcher skills (skills are included (repeatable) to the sets of all social sciences researchers, e.g. skill "conduct public survey"); - Specialised particular sciences researcher skills (skills are included to the set of particular science researcher only ,	The comment was taken into consideration. The expert suggested a way of structuring the content for the science occupations. The content has been developed considering this feedback at a great extent.	Vilnius University – Faculty of Communication

e.g. in case of Educational researcher skill "analyse education system")		
Due to the basic skills listed for "Intercultural communication consultant", work context should be extended also to the private sector, especially marketing, sales	The comment has been rejected given that the work contexts should not be addressed yet.	University of Zagreb, Faculty of Food Technology and Biotechnology
According to the description and listed skills of "Gemologist", no indication of the level of education is mentioned.	The comment has been rejected given that the level of education are not supposed to be referred to in the OP.	University of Zagreb, Faculty of Food Technology and Biotechnology
Suggestion for a more accurate ISCO code for the Kinesiologist	The ISCO code of the Kinesiologist was adapted to better reflect the nature of the occupation. It was changed from 2131 - - Biologists, botanists, zoologists and related professionals to 2269 - Health professionals not elsewhere classified	The International Labour Organization (ILO)
Revision of the occupation coverage by ESCO of the occupations comprised in the ISCO code 2131 - - Biologists, botanists, zoologists and related professionals	An extensive gap analysis of the occupation covered under the code 2269 - Health professionals not elsewhere classified was made resulting in a complete coverage of all the occupation but one 'biotechnologist'. Currently we have in the ESCO classification 'food biotechnologist'	The International Labour Organization (ILO)
Revision of the coverage of occupations in the field of Geology	The experts provided a list of occupations in the field of Geology. The TEG performed an extensive gap analysis to detect gaps in the classification regarding this field of knowledge. No gap was detected.	Eurogeologists

Wood processing, paper and printing (WOOD)

A. Overview	
No of suggested occupations for creation	0
No of suggested occupations for deletion	0
No of OCC created	0
No of OCC deleted	0
No of comments received in general	1

B. Suggested changes in the sectoral breakdown			
Suggestion	**Actions taken**	**Reason**	**Organisation providing the suggestion**
Include sawmilling in 'wood and wood products manufacture'	This suggestion has been rejected.	Sawing is already an occupation group in the WOOD sector. The sawmill part refers to the workplace for these type of occupations.	Proskills UK

C. List of suggested occupations for creation			
Occupations	**Actions taken**	**Reason**	**Organisation providing the suggestion**
None			

D. List of suggested occupations for deletion			
Occupations	**Actions taken**	**Reason**	**Organisation providing the suggestion**
None			

E. List the main topics raised for the KSC		
KSC	**Actions taken**	**Reason**
None		

F. Controversial Issues/specific situations		
Suggestion	**Resolution**	**Organisation providing the suggestion**
None		