



ESCO v1.1 launch event

What changes for existing users of ESCO?
10 February 2022

Work done for ESCO v1.1

Consult ESCO v1.1

- The ESCO Portal

Download ESCO v1.1

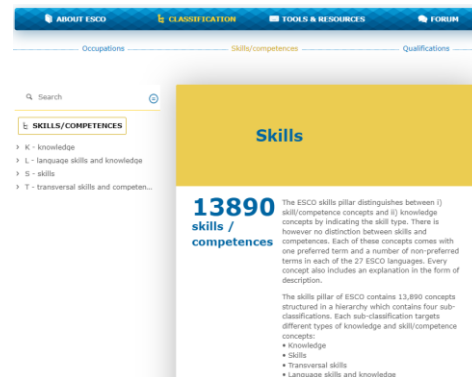
- Download & Document sections

Learn more about ESCO v1.1

- Read Methodologies and Data Sources

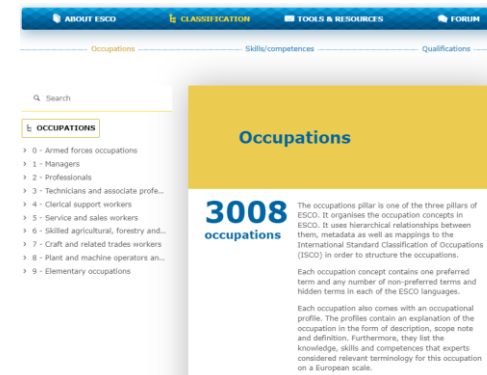
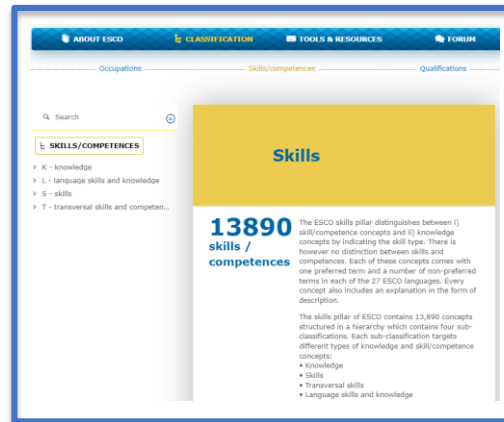
Consult ESCO v1.1: the ESCO Portal

- Scroll the hierarchies
- Read every detail of ESCO concepts
- Search one specific concept



Consult the Classification: the ESCO Portal

- Scroll the hierarchies
- Read every detail of ESCO concepts
- Search one specific concept



Consult the Classification: the ESCO Portal

Skills/competences Pillar

English (en) 

design smart grids

Description

Design and calculate the smart grid system, based on heat load, duration curves, energy simulations etc.

Skill type

skill

Skill reusability level

sector specific skills and competences

Broader skills/competences

S1.11.2 - designing electrical or electronic systems or equipment

Essential skill/competence of

power distribution engineer

electrical engineer

Optional skill/competence of

electromechanical engineering technician

mechanical engineer


energy engineer

Status

released


Concept URI

<http://data.europa.eu/esco/skill/4e0a7f6e-b546-4cc6-9f8b-53e4fa31a426>

Search 

SKILLS/COMPETENCES

- > K - knowledge
- > L - language skills and knowledge
- > S - skills
- ✓ T - transversal skills and competences
 - > T1 - core skills and competences
 - ✓ T2 - thinking skills and competences
 - > T2.1 - processing information
 - > T2.2 - planning and organisation
 - ✓ T2.3 - dealing with problems
 - > identify problems
 - > solve problems
 - > T2.4 - thinking creatively and autonomously
 - > T3 - self-management skills and competences
 - > T4 - social and communication skills and competences
 - > T5 - physical and manual skills and competences
 - > T6 - life skills and competences

English (en) 

use Bing

Description

Identify digital information via Bing search engines, judging its relevance and purpose.

Skill type

skill

Skill reusability level

cross-sector skills and competences

Status

obsolete

Concept URI

<http://data.europa.eu/esco/skill/af6db8f7-aeb8-40e7-97e1-22110ce6c7c6>

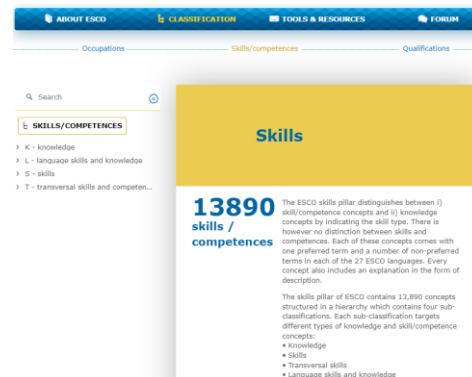
Consult the **new** skills and knowledge concepts

Navigate the **new** hierarchy for transversal skills

Pay attention at **obsolete** skills and knowledge concepts!

Consult the Classification: the ESCO Portal

- Scroll the hierarchies
- Read every detail of ESCO concepts
- Search one specific concept



Consult the Classification: the ESCO Portal

Occupations Pillar

Consult the **new** occupations

offshore renewable energy engineer

Code

2149.9.5

Description

Offshore renewable energy engineers design and supervise the installation of offshore energy farms and equipment. They research and test locations to find the most productive location, ensure the successful execution of the design plan and make any necessary modifications or provide targeted advice. Offshore renewable energy engineers test equipment such as wind-turbine blades, tidal stream and wave generators. They develop strategies for more efficient energy production, and environmental sustainability.

Alternative label

hydrodynamics engineer

ORE engineer

marine renewable energy engineer

ocean renewable energy engineer

Regulatory aspect

To see if and how this occupation is regulated in EU Member States, EEA countries or Switzerland please consult the Regulated Professions Database of the Commission. Regulated Professions Database:
http://ec.europa.eu/growth/single-market/services/free-movement-professionals/qualifications-recognition_en #

Hierarchy

▼ 2 - Professionals

▼ 21 - Science and engineering professionals

▼ 214 - Engineering professionals (excluding electrotechnology)

▼ 2149 - Engineering professionals not elsewhere classified

▼ 2149.9 - energy engineer

offshore renewable energy engineer

Essential skills and competences

[address problems critically](#)

[adjust engineering designs](#)

[adjust voltage](#)

[approve engineering design](#)

[conduct engineering site audits](#)

Pay attention at **obsolete** occupations!

wind energy engineer

[Discuss this topic in the Online Forum](#)

Code

2149.7.6

Description

Wind energy engineers design and install wind energy farms and equipment. They research and test locations to find the most productive location, test equipment such as wind-turbine blades, and develop strategies for more efficient energy production, and environmental sustainability.

Alternative label

wind energy systems engineer

engineer for wind energy

wind energy technology engineering expert

wind energy technology engineering adviser

wind energy engineering consultant

wind energy engineering expert

wind-turbine engineer

wind energy technology engineer

wind energy technology engineering consultant

wind energy engineering adviser

wind engineer

wind energies engineer

wind turbine engineer

wind energy specialist

wind energy technology engineering specialist

wind power engineer

wind energy engineering specialist

Regulatory aspect

To see if and how this occupation is regulated in EU Member States, EEA countries or Switzerland please consult the Regulated Professions Database of the Commission. Regulated Professions Database:

http://ec.europa.eu/growth/single-market/services/free-movement-professionals/qualifications-recognition_en #

Status

obsolete

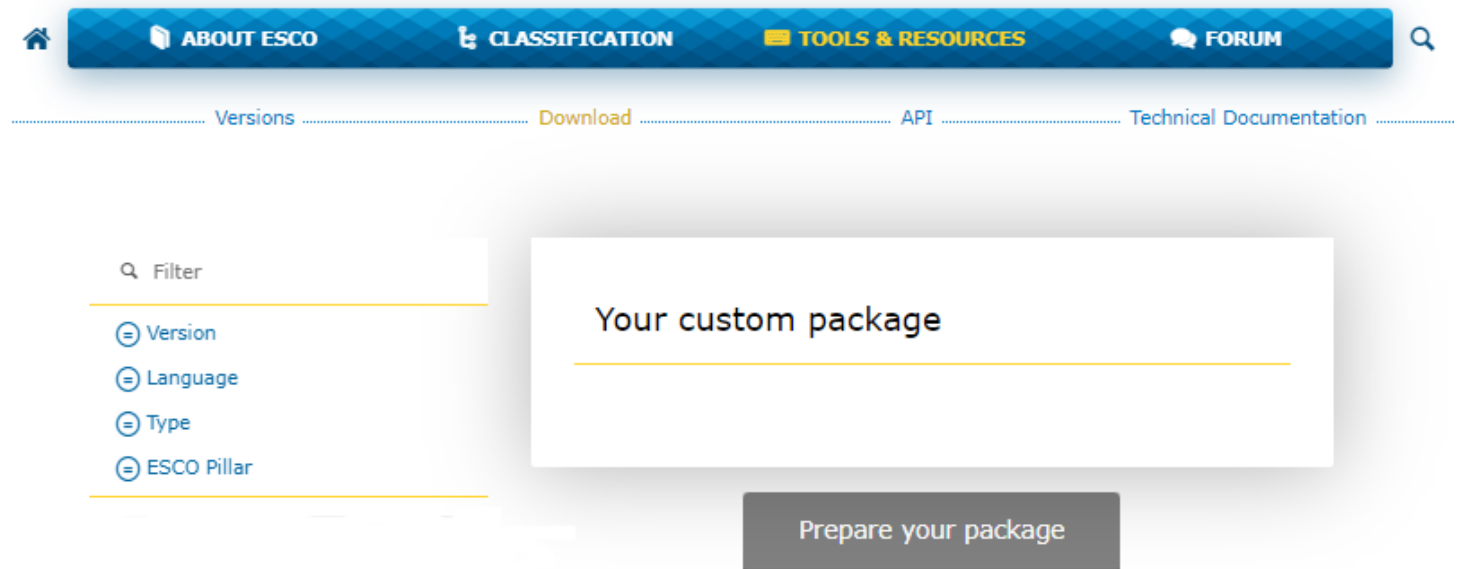
Concept URI

<http://data.europa.eu/esco/occupation/1b99cad3-27c6-4e19-83b6-7b5f8338ed2b>

Tutorial

Download ESCO v1.1: the Download Section

- Choose which **version** of ESCO to use (earlier versions are still available)
- ESCO v1.1 is available in **every ESCO language**
- In the Skills/competences Pillar you can download separately:
 - **Transversal** skills
 - The Transversal hierarchy
 - **Green** skills
 - **Research** skills
 - **DigComp** skills
- **Obsolete** concepts cannot be downloaded in v1.1



Download ESCO v1.1: the Download Section

How to select labelled skills from the complete skills dataset (.csv)

The labels are indicated using the **ConceptScheme** field.

- via API: **getSkillByConceptScheme**
- via TTL: **skos:inScheme**

1. Download the **Skills/competences dataset** in your preferred language

2. Use the column **inScheme** which provides information on the concept scheme

3. Filter by **green, research, digcomp, transversal**

The screenshot shows the ESCO v1.1 download interface. At the top, there is a navigation bar with links: ABOUT ESCO, CLASSIFICATION, TOOLS & RESOURCES, and FORUM. Below this, there are links for Versions, Download, API, and Technical Documentation. A search bar is present with the text "Filter". A list of filters is shown: v1.1.0, English, CSV, and Skills/competences. The "Skills/competences" filter is selected and highlighted with a red box and a red "1". Below this, a button "Prepare your package" is visible. A red "2" is placed next to the "Prepare your package" button. Below the interface, a table of skills is shown. The table has columns A through M. The "inScheme" column (column L) is highlighted with a red box and a red "3". A dropdown menu is open for the "inScheme" column, showing a list of concept schemes. The "green" concept scheme is selected and highlighted with a red box. Below the dropdown menu, a list of checkboxes is shown, with the "green" checkbox checked. The European Commission logo is visible at the bottom right.

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	concept	concept	skillType	reuse	preferred	alternative	hidden	status	modified	scope	definition	inScheme	description
2	Knowledge	http://data.europa.eu/esco/skill/sector-specific-management	sector-specific management					released	2016-12-20T17:43:43Z			http://data.europa.eu/esco/skill/sector-specific-management	Assign and manage
3	Knowledge	http://data.europa.eu/esco/skill/occupational-supervision	occupational supervision					released	2016-12-20T20:17:49Z			http://data.europa.eu/esco/skill/occupational-supervision	Supervise the
4	Knowledge	http://data.europa.eu/esco/skill/sector-specific-application	sector-specific application					released	2016-12-20T19:18:19Z			http://data.europa.eu/esco/skill/sector-specific-application	Identify opportunities
5	Knowledge	http://data.europa.eu/esco/skill/sector-specific-control-and-monitoring	sector-specific control and monitoring					released	2016-12-20T20:02:19Z			http://data.europa.eu/esco/skill/sector-specific-control-and-monitoring	Inspect roll-in
6	Knowledge	http://data.europa.eu/esco/skill/cross-sector-identification-and-establishment	cross-sector identification and establishment					released	2016-12-20T20:15:17Z			http://data.europa.eu/esco/skill/cross-sector-identification-and-establishment	Identify the
7	Knowledge	http://data.europa.eu/esco/skill/cross-sector-performance	cross-sector performance					released	2016-12-20T19:37:05Z			http://data.europa.eu/esco/skill/cross-sector-performance	Perform tests
8	Knowledge	http://data.europa.eu/esco/skill/occupational-ensuring-compliance	occupational ensuring compliance					released	2016-12-20T19:58:39Z			http://data.europa.eu/esco/skill/occupational-ensuring-compliance	Oversee uni
9	Knowledge	http://data.europa.eu/esco/skill/sector-specific-haskell	sector-specific Haskell					released	2016-12-20T18:08:09Z			http://data.europa.eu/esco/skill/sector-specific-haskell	The technique

Download ESCO v1.1: the Delta file

The Delta file (.csv) stores the differences between ESCO v1.1 and the previous minor version (v1.0.9).



ESCO v1.1 includes new skills and occupations, in line with recent evolutions of the labour market, as well as improvements of the current dataset.

This document stores the differences (*delta*) between ESCO v1.1 and the previous minor version (ESCO v1.0.9, published in November 2021).

The tab **Overview** provides general information for the wider public concerning new, updated, and obsolete concepts. New concepts are occupations, skills, and knowledge concepts that were created in view of this major update, and were not present in previous versions of the classification. Updated concepts are occupations, skills, and knowledge concepts that were reviewed. Obsolete concepts are occupations, skills, and knowledge concepts that were removed, hence they are no longer available in the classification.

The tab **Detailed Delta** provides detailed information for ESCO implementers concerning every change between version v1.0.9 and version v1.1.0. Users can use column *C* to filter the change field of interest. Where the change in the data required a new translation, the old translation and the new one are compared in column *D* and *E*, while the language can be selected in column *G*.

ESCO 1.1 can be [downloaded](#) in TSV, CSV and ODS format, or via API.

For any question or feedback, please contact the ESCO team at EMPL-ESCO-SECRETARIAT@ec.europa.eu.

[LATEST UPDATE : 31.01.2022]

[READ ME](#) | [Overview](#) | [Detailed Delta](#) | [+](#)

READ ME introduces the data stored in the other tabs

URI	Preferred Label	Change Type
http://data.europa.eu/standalone/public-buyer	standalone public buyer	New Occupation
http://data.europa.eu/marine-painter	marine painter	New Occupation
http://data.europa.eu/dependability-engineer	dependability engineer	New Occupation
http://data.europa.eu/power-electronics-engineer	power electronics engineer	New Occupation
http://data.europa.eu/cloud-engineer	cloud engineer	New Occupation
http://data.europa.eu/tanning-technician	tanning technician	New Occupation
http://data.europa.eu/assistive-technologist	assistive technologist	New Occupation
http://data.europa.eu/contact-tracing-agent	contact tracing agent	New Occupation
http://data.europa.eu/footwear-3d-developer	footwear 3D developer	New Occupation
http://data.europa.eu/microelectronics-maintenance-technician	microelectronics maintenance technician	New Occupation
http://data.europa.eu/covid-tester	covid tester	New Occupation

[READ ME](#) | [Overview](#) | [Detailed Delta](#) | [+](#)

Overview provides general information for the wider public concerning new, updated, and obsolete concepts

CONCEPT URI	CONCEPT PREFLABEL	FIELD	OLD VALUE	NEW VALUE	ACTION	LANGUAGE
http://data.europa.eu/principles-of-distributed-learning	principles of distributed learning	description	None	Las teorías, los pr	Added	es
http://data.europa.eu/homologation-engineer	homologation engineer	altLabel	None	upraviteljica hon	Added	hr
http://data.europa.eu/hairdresser-assistant	hairdresser assistant	description	Hairdresser assi	Hairdresser assis	Updated	fr
http://data.europa.eu/credit-risk-analyst	credit risk analyst	prefLabel	analyste de risq	analyste du risqu	Updated	fr
http://data.europa.eu/cloud-engineer	cloud engineer	altLabel	None	ingegnere di soli	Added	it
http://data.europa.eu/suggest-revision-of-manuscript	suggest revision of manuscript	description	None	Navrhnutí autoro	Added	sk
http://data.europa.eu/assess-prior-learning	assess prior learning	description	None	Avaliar as compe	Added	pt
http://data.europa.eu/assess-sugar-levels-in-tobacco	assess sugar levels in tobacco	description	None	Оценява съдърж	Added	bg
http://data.europa.eu/carry-out-aerial-tree-rigging	carry out aerial tree rigging	description	None	Ανάληψη εναέρι	Added	el
http://data.europa.eu/youth-information-worker	youth information worker	altLabel	None	διευθυντής του κ	Added	el
http://data.europa.eu/analysing-cultural-skills-and-competences	analysing cultural skills and competences	description	None	hacer uso de can	Added	es

[READ ME](#) | [Overview](#) | [Detailed Delta](#) | [+](#)

Detailed Delta provides detailed information concerning every change between v1.0.9 and v1.1

Tutorial

Learn more about ESCO v1.1: Read Methodologies and Data Sources

About ESCO > Documents



28.01.2022

[Green Skills and Knowledge - Labelling ESCO.pdf](#)

About ESCO > Latest news

28.01.2022

ESCO v1.1 is live!



ESCO v1.1

The result of a two-year process of quality review of existing concepts, as well as development of new occupational and competence profiles.

The Commission has published the new version of the European classification of Skills, Competences, Occupations and Qualifications (ESCO).

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Green Skills and Knowledge Concepts: Labelling the ESCO Classification

- Methodology
- Results
- Use cases
- Support material



PUBLIC EMPLOYMENT SERVICES
Compare vacancies and CVs & suggest green career pathways

PRIVATE COMPANIES AND HR SERVICES
Forecast skill needs & learn about green transversal skills

RESEARCH BODIES
Collect information on green skills & detect green skill gaps

VET PROVIDERS
Describe & translate green learning outcomes

Learn more about ESCO v1.1: Read Methodologies and Data Sources

About ESCO > Documents



28.01.2022

[Green Skills and Knowledge - Labelling ESCO.pdf](#)

About ESCO > Latest news

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News item

- General information to be shared within your network
- List of contributors who supported the update of ESCO and the release of ESCO 1.1



New occupations, skills and knowledge concepts



A new hierarchy for transversal skills



Labels for *Green*, *DigComp*, *Research* skills and knowledge concepts



Quality improvements



European
Commission

Thank you for your attention!

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, use our hashtag #ESCO_EU and join our [online forum](#).