Key perfomance indicators for the continuous improvement of ESCO

IMPROVING ESCO TO SUIT THE NEEDS OF THE LABOUR MARKET

ESCO can only be of added-value if it is regularly updated and includes the changes happening in the education and labour markets in its new versions.

COMMUNITY-BUILDING AROUND ESCO

ESCO stakeholders using ESCO to deliver services that enable job mobility, better job-search and job matching, personalised learning and development pathways. are at the core of our ecosystem. They are directly contributing to advancing ESCO's visibility and fit for purpose in the labour market and education/training sector.

OPEN DATA AND INTEROPERABILITY

ESCO is published as Linked Open Data so that it can be easily reused and linked to other data sources, such as national occupational classifications.

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Why do we need ESCO KPIs?

- To undertand how ESCO is performing in applications used by stakeholders

- To understand how adequate the ESCO terminology is for the labour market

- To get feedback on how ESCO could be improved

- To keep up with the latest labour market trends regarding skills and occupations

Examples:

→ **TOP 50 most used ESCO skills**
→ **TOP 50 least used ESCO skills**
→ **TOP 50 emerging occupations**
→ **TOP 50 most common transversal skills**

What are the KPIs that ESCO stakeholders could provide?

KPI #1: Ranking ESCO concepts based on usage

KPI #2: Most frequent emerging skills & occupations (not in ESCO)

KPI #3: Most frequent synonyms of ESCO concepts

KPI #4: Relations between ESCO concepts (occupations & skills)

How can you contribute?

Stakeholders using ESCO in their applications are encouraged to share such KPIs with the ESCO support team.

- Since this is anonymised data, there are no GDPR concerns.

- To share this data with us, the following format is recommended.

ESCO

Format for data exchange: structured data (CSV)

KPI #1 – Ranking ESCO concepts

Pillar controlledvocab optional	URI URI mandatory	label preferred tem EN optional	rank Integer mandatory	use_case string mandatory
Occupation pillar	http://data.europa.eu/esco/	city councillor	100	annotation of of vacancies
Skills pillar	http://data.europa.eu/esco/	train dealers	85	search queries
Occupation pillar	http://data.europa.eu/esco/	digital games developer	50	entity extraction

KPI #2 – Most frequent emerging skills & occupations

country controlledvocab mandatory	document_type controlledvocab mandatory	total_document_count integer mandatory	annotated_count integer optional	annotated_percentage double mandatory	pillar controlled-vocab mandatory
Belgium	Vacancy	100	10	0,01	Occupation pillar
Belgium	Vacancy	1000	50	0,05	Skills pillar
Belgium	CV	200	30	0,15	Occupation pillar

KPI #3 – Most frequent synonyms of ESCO concepts

vacancy_or_cv controlledvocab optional	concept1_URI URI mandatory	concept1_label preferred term EN optional	concept2_URI URI mandatory	concept2_label preferred term EN optional	count integer mandatory
Vacancy	http://data.europa.eu/esco/	director of compliance and information security in gambling	http://data.europa.eu/esco/skill/06fa9997-1720-45e8-a0cf-ee3060049f8b	alter management	200
Vacancy	http://data.europa.eu/esco/	director of compliance and information security in gambling	http://data.europa.eu/esco/skill/06fa9997-1720-45e8-a0cf-ee3060049f8b	alter management	653
CV	http://data.europa.eu/esco/	director of compliance and information security in gambling	http://data.europa.eu/esco/skill/4246db3e-b5e2-43d4-a0cf-f799743e534b	manage gambling game	2

KPI #4 – Relations between ESCO concepts (occupations and skills)

language controlledvocab mandatory	pillar controlledvocab mandatory	concept_URI URI mandatory	suggestion string mandatory	rank integer optional	comment string optional
FR	Occupation pillar	http://data.europa.eu/esco/	Animateur	5	name coming from mapping effort
GR	Occupation pillar	http://data.europa.eu/esco/	Animator	5	/
NL	Skills pillar	http://data.europa.eu/esco/	zorg coördineren	7	missing term in ESCO