



**EU PROGRAMME FOR EMPLOYMENT AND SOCIAL INNOVATION - EaSI (2014 - 2020)  
GRANTS AWARDED AS A RESULT OF THE CALL FOR PROPOSALS VP/2019/010  
EaSI-EURES - Support to national classification inventories & innovative national online services for mobile workers**

**Budget line : 04.03 02 02**

**Program(s) : EaSI**

Action title	EU grant (€)	Application reference
Establishing mapping inventories and tables for effective bridging of Slovak national classification with ESCO	91 120.00	VP/2019/010/0008

**Summary of the action**

Action is aimed at establishing an inventory to map Slovak national, regional and sectoral classifications which are embedded at the Slovak PES's national portal to and from European classification of skills, competences and occupations - ESCO, creating trans coding tables to and from ESCO in order to enable high quality matching of job vacancies with job applications and job seekers' profiles in a uniform system based on common technical standards and formats at the European Job Mobility Portal. The resulting mapping/trans coding tables will indicate for each category/concept in one classification the corresponding category/concept in another classification and will enable to Slovak PES to transfer to European Job Mobility Portal all job vacancies and CVs with the appropriate occupation codes (ISCO 08) and skill codes ESCO.

Beneficiary organisation/Coordinator	Address	Country
USTREDIE PRACE, SOCIALNYCH VECI A RODINY	SPITALSKA 8 812 67 BRATISLAVA	SK - Slovakia

Action title	EU grant (€)	Application reference
ESCO classification in new Icelandic IT system	282 042.69	VP/2019/010/0009

### Summary of the action

The Directorate of Labour in Iceland is developing a new IT system for the institution. ESCO classification will be employed in the system instead of ISCO 88.

The action will support the development and construction of the parts of the system that are connected to and dependent on ESCO classification. The implementation of ESCO affects the development of the IT system, for example matching, job-seekers profiles and CVs and registration of both jobseekers and job vacancies. Another important objective is to implement the EURES regulation both legally and technically.

The core project team includes one coordinator, three key staff members in the actual implementation of the project and five to six additional staff members will consult or assist with specific tasks within the activities. Part of the IT work will also be outsourced to the IT company Advania.

The proposed action will have immense impact on both matching of job vacancies and CVs and the functioning of the EURES portal as it will actually allow EURES in Iceland to fully implement the EURES regulation. It will transform the matching services we can offer our clients and the working environment of our staff. The impact will be measured in different ways, registered vacancies, number and quality of registered CVs, number of available vacancies, successful implementation of the EURES regulation and increased customer and staff satisfaction.

The new IT system will be sustainable in many ways after the end of the Grant Agreement. Financially supported by the Ministry of Social Affairs, technically with a team of professionals within the Directorate of labour, closely connected to Advania and WCC, and professionally developed further and updated with new versions of ESCO at any time in the future.

Beneficiary organisation/Coordinator	Address	Country
LYDVELDIO ISLAND	- 103 -	IS - Iceland

Action title	EU grant (€)	Application reference
ESCO-mapping	100 000.00	VP/2019/010/0017

### Summary of the action

The objective of the project is to produce two-way qualitative mapping tables between ESCO and ROME/Competent, at the level of the occupations as well as the skills and knowledges.

Beneficiary organisation/Coordinator	Address	Country
VLAAMSE DIENST VOOR ARBEIDSBEMIDDELING EN BEROEPSOPLEIDING	KEIZERSLAAN 11 1000 BRUSSEL	BE - Belgium

Action title	EU grant (€)	Application reference
EURES: ESCO under Regulation (EU) 2016/568, Article 19	100 000.00	VP/2019/010/0021

### Summary of the action

The objective is to support the mapping process of the German national classification including occupations, skills and competences to ESCO. This mapping is the basis for the use of ESCO in the single coordinated channel as the technical national connection point to the EURES Portal as foreseen in Regulation EU 2016/589. The mapping will be bidirectional to enhance the interoperability in terms of quality and in line with the recommendation from ECO.

Beneficiary organisation/Coordinator	Address	Country
BUNDESAGENTUR FUR ARBEIT	REGENSBURGERSTRASSE 104 90478 NURNBERG	DE - Germany

Action title	EU grant (€)	Application reference
ESCO: boosting job matching in Portugal - Implementation within the Portuguese PESs	235 989.66	VP/2019/010/0025

#### Summary of the action

The main goal on adopting the ESCO by integrating it in the PES systems is to replace a restrictive classification of occupations, originally meant to perform statistical purposes, by a comprehensive one, conceived for supporting labor mobility based on complex matching processes based in skills and semantics. So, the objective is to integrate this resource in the Information System for Employment Management (SIGAE) and in the national employment service portal (iefonline). The first one is the CRM back office application, available to PES officers and the NCO team for recording and manage information on job vacancies, CVs and employers and jobseeker profiles, as well as to access advanced data management tools, contact and matching functionalities. The second one, is the web portal where IEFP delivers online information and services to candidates and employers

A multidisciplinary core team placed in the IEFP Central Office will be responsible for this project and sets to gather all the expertise and skills required to implement it. In accordance to the identified technical requirements by each involved unit as well as the foreseen articulation functional needs it will be structured in two levels (Governance and Operational) as detailed in the section III, point 2, and represented on the organogram in Annex C.

Introducing ESCO in IEFP business systems and matching tools, making the path for its use by other Portuguese EURES Members and Partners in the future, will considerably improve employment services matching potential at the national level and, therefore, PESs effectiveness in their mission.

The Portuguese PES have a stable and comprehensive organizational structure, as well as financial and technical capacity to provide the necessary support for the project outcome after its conclusion. Furthermore, this implementation will be fulfilling a functional resource gap that is holding back the capacity of PES to provide a better support to a changing job market.

Beneficiary organisation/Coordinator	Address	Country
INSTITUTO DO EMPREGO E FORMACAO PROFISSIONAL	RUA DE XABREGAS 52 1949 003 LISBOA	PT - Portugal

Action title	EU grant (€)	Application reference
MATCHING – Mapping Arrangements and Transcoding CHange IN Greece	232 198.56	VP/2019/010/0026

#### Summary of the action

(WP1) Technical standards – specifications will be developed, according which conversion and transcoding activities should be implemented. (WP2) According the WP1 output, a technical study will be carried out, describing the methodology required for the adoption of the new ESCO classification tool and then, each implementation step and relevant requirements. A detailed implementation guide/manual will be also developed. The third activity concerns the necessary preparatory work and the implementation itself of the ESCO classification tool (WP3) The third action concerns two study visits, in Iceland and in Ireland, in order to get the necessary know-how and practice from countries having already used the ESCO tool (WP4) The next action concerns the adequate preparation of the involved PES job counsellors and EURES staff. Relevant activities are the design and development of the necessary training material, for PES-EURES staff and selected PES ESCO Trainers and the implementation of two types of corresponding intensive training courses on the new requirements: A two-days training course addressed to selected PES ESCO Trainers, who are expected to act as multipliers and be able to train other trainers, according relevant emerging needs and Ten (10) two-days training courses addressed to PES and EURES staff, in order to enable them to effectively manage their job in the new context of the ESCO classification tool implementation environment (WP5) Then, awareness raising and active involvement of the national key-players in the field, regarding the adoption and use of the ESCO tool, therefore taking action towards the ESCO tool adoption, in the national wider context. (WP6) Various dissemination actions conducted by OAED, in order to provide coherent information to priority groups and to reach out, mobilize and raise awareness of job seekers and persons in employment-potential mobile workers (WP7) Project Management and Quality Assurance during the whole project's life.

Beneficiary organisation/Coordinator	Address	Country
ORGANISMOS APASCHOLISIS ERGATIKOU DYNAMIKOU	ETHINIKIS ANTISTASIS STR 8 17456 ATHINA	GR - Greece

Action title	EU grant (€)	Application reference
A Data Driven bridge towards ESCO using AI algorithms (AI4ESCO)	64 613.39	VP/2019/010/0028

#### Summary of the action

AI4ESCO aims at realising the objective (a) to support Member States, EURES members and partners to establish high-quality mapping-tables allowing for matching job vacancies and CVs in the European Job Mobility Portal. Specifically, we plan to achieve the following goals:

- (i) derive a machine-readable structure of the lexicon used within the Italian National Occupation Taxonomy (CP2011);
- (ii) connect ESCO to Italian National Taxonomy by means of word-embedding similarities;
- (iii) exploit on domain-experts to review and validate the results.

It is also interesting to highlight that use of AI algorithms is well suited for natural language processing and reasoning as they allow deriving similarities between terms from a lexicon point of view. These similarities, in turn, can be used as a reference-table to match two distinct terms of taxonomies, making a bridge between taxonomies in a bottom up approach.

The UNIMIB-CRISP team is composed by researchers and staff members that fits the Core competences of multidisciplinary approach to LMI.

AI4ESCO will make a bridge between Italian Official Occupation Taxonomy towards ESCO (Occupation pillar) suggesting the correspondence between National occupation to ESCO (and vice-versa) in the job vacancy classification.

We plan to evaluate the ability of AI4ESCO to provide the most relevant connection towards ESCO. The last impact is to discover lexicon similarities between ESCO occupations.

The sustainability of AI4ESCO that will allow the mapping table to be updated over time will be guaranteed by:  
 specific and reproducible report describing in detail the steps made to realise the AI system which could work as a manual for a future re-implementation of the process for other national taxonomies;  
 code to reproduce and re-iterate the procedure that maps the Italian Occupation taxonomies on ESCO;  
 use of Multi-criteria-decision-making model to provide evidences of the judgments and criteria used by labour market experts.

Beneficiary organisation/Coordinator	Address	Country
UNIVERSITA DEGLI STUDI DI MILANO -BICOCCA	PIAZZA DELL ATENEO NUOVO 1 20126 MILANO	IT - Italy

Action title	EU grant (€)	Application reference
Mapping the ESCO: Croatia	80 000.00	VP/2019/010/0030

#### Summary of the action

Project activities will facilitate various actions taken by different stakeholders (ministries, government agencies, relevant policy institutions and private sector organisations) over the span of the last couple of years with aim of establishing centralized, easy to scale, informative and supporting systems and registries linked to EU practice related to labour market mechanics & dynamics including skills supply and demand analysis over time. Providing link to ESCO through development, management and maintaining mapping tables, final deliverables will be used on national level and will combine up-to-date efforts which will lead to improvement in usage and increase of efficiency in budget spending on related activities. Overall, project will lay out transit maps towards ESCO system thus facilitating international job placement within Croatian labour market.

Beneficiary organisation/Coordinator	Address	Country
HRVATSKI ZAVOD ZA ZAPOSJAVANJE	RADNICKA CESTA 1 10000 ZAGREB	HR - Croatia