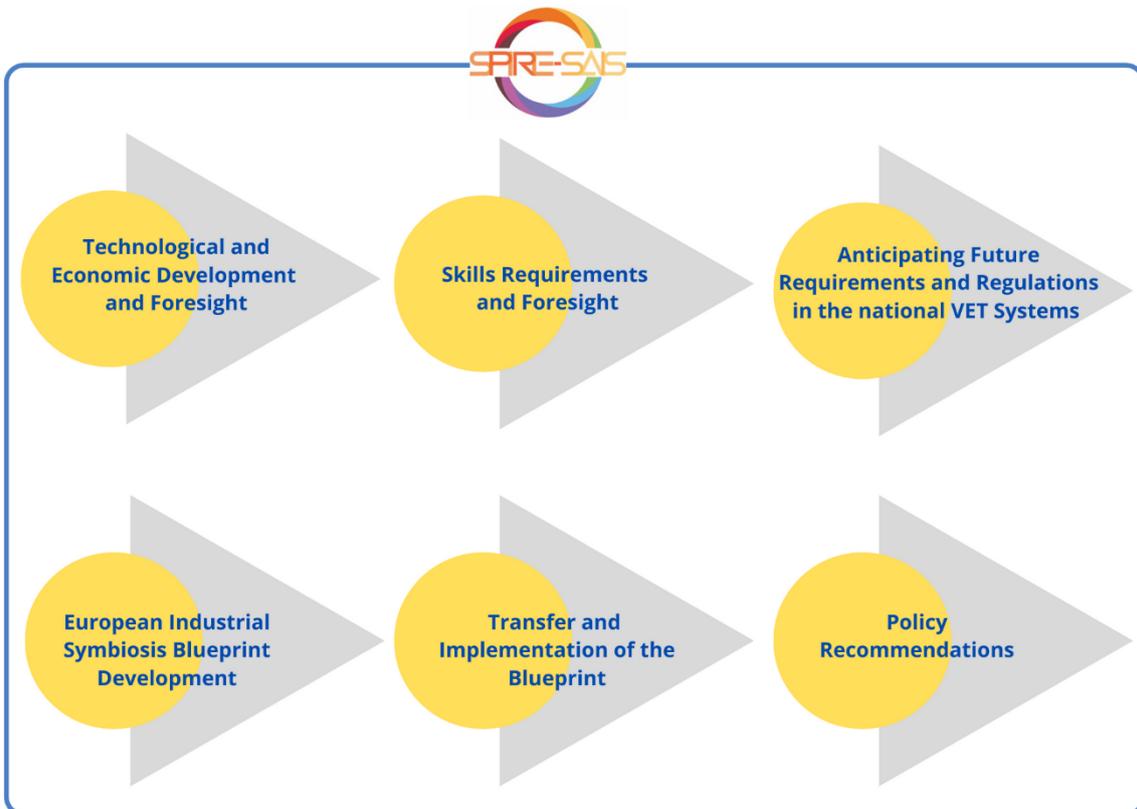




Skills Alliance for Industrial Symbiosis

A CROSS-SECTORAL BLUEPRINT FOR A SUSTAINABLE PROCESS INDUSTRY SPIRE-SAIS

The SPIRE-SAIS project aims to develop an **industry-driven and proactive skills strategy** that will assist the wider implementation and exploitation of **industrial symbiosis (IS) and energy efficiency (EE) across the energy intensive industrial sectors**. In order to identify IS and EE related -current and future- skills requirements, WP3 has been working on defining a detailed list for the job profiles related to IS and EE. As WP3, we intend to create these skills set framework for the 10 SPIRE sectors - chemicals, steel, engineering, non-ferrous metals, minerals, water, cement, ceramics, pulp and paper and refining benefiting from the ESCO occupations database.



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ESCO

Is the European multilingual classification of Skills, Competences, Qualifications and Occupations. In other words, it is a dictionary that describes, identifies and classifies professional occupations, skills, and qualifications relevant for the labor market, education and training.

It is directly linked to the International Standard Classification of Occupations (ISCO) which is a classification of occupation groups managed by the International Labor Organization (ILO).

DETAILS

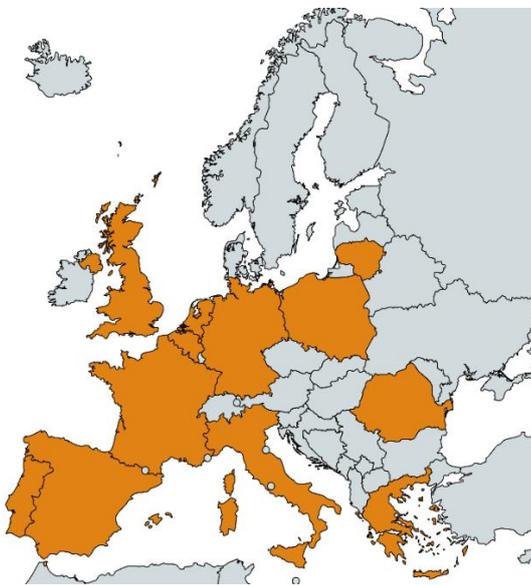
Project duration

January 2020 –
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Erasmus+ Call:

Sector Skills Alliances (Lot 3)
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#SPIRESAISBlueprint



COUNTRIES INVOLVED IN SPIRE-SAIS

BACKGROUND

Industries are facing an increasing number of economic, technological and digital challenges in Europe and globally. A continuous update of the qualification, knowledge and skills profile of the workforce is needed to address this trend and the increasing energy efficiency and environmental demands.

An EU level intervention to meet the job profiles skills shortages in Industrial Symbiosis and Energy Efficiency is essential for process industry.

This process also empowers EU citizens and provide them with a necessary set of tools for future job profiles.



WP3 NEXT STEPS

- 1 developing job profile organizational flow chart for each SPIRE sector.
- 2 selecting the job profiles related to EE and IS through this flow chart and defining criteria for the selection process.
- 3 determining “key terms” for EE & IS and identifying the occupations related to SAIS target topics (IS & EE) in ESCO database.
- 4 matching the job profiles defined for all SPIRE sectors with those equivalent occupations selected from ESCO.
- 5 generating a “SPIRE sectoral job profile description” template based on “TASKS” and “SKILLS” detailing the job profiles.
- 6 creating, and periodically update, an automated database incorporating the identified job profiles and their skills needs.



WHAT ARE THE MOST REPRESENTED OCCUPATIONS?



WP3 will develop a questionnaire using ESCO occupation-group to identify the most demanded skills for industrial symbiosis and energy.

SPIRE industrial representative sectors will fill this questionnaire with the aim to identify the current and future skills levels. The results of the survey will be the base for further job to be done in WP4 about VET systems.



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