



# SEnDIng

Sector Skills Alliance for the design and delivery of innovative VET programmes to Data Science and Internet of Things professionals

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[www.sending-project.eu](http://www.sending-project.eu)

## Aim

The SEnDIng project aims to address the skills' gap of Data Scientists and Internet of Things engineers identified at the ICT and other sectors (e.g. banking and energy) where Data Science and Internet of Things have broad applications. Acquired skills will be certified by a mechanism that will be designed and applied at the later phases of the project, while recommendations will be outlined for the validation, certification and accreditation of provided VET programs ensuring alignment with NQFs, EQF and ECVET.



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# Workplan & Outcomes

The SEnDIng consortium will join its efforts to reach the following outcomes:

- Definition of the targeted **learning outcomes** in terms of knowledge, skills and competences for the occupational profiles of engineers working in the DS and the IoT domains.
- Design of a **common reference scheme** of competences, skills, knowledge and proficiency levels, in compliance with the European eCompetence Framework (eCF) and the ESCO IT occupations.
- Design of **two modular outcome-oriented curricula**, one targeting DS and another targeting IoT, taking into consideration EQAVET.
- Delivery of **vocational trainings** to address the skills gap of Data Scientists and IoT engineers employed in the ICT and other economic sectors, in three phases: e-learning, face-to-face and work-based learning.
- Design of a mechanism that will be used for the **certification** of skills and competences acquired and provision of recommendations for the validation, certification & accreditation of provided VET programs, as well as NQFs, EQF and ECVET alignment.
- Production of a set of **toolkits**, guiding stakeholders and especially companies and VET providers on how to exploit project's results.
- Organization of three **workshops** and a **final conference** to effectively disseminate project's activities and outcomes to target groups and all related stakeholders.

## Project partners

The consortium consists of higher education institutions (University of Patras, University of Cyprus), VET providers (Olympic Training and Consulting, ESI Center Eastern Europe, University of Cyprus), private-sector companies (Universal Learning Systems, Yodiwo, Mixanografiki, Code Runners, Nemetschek), associations of IT companies and IT scientists (Greek Computer Society, Bulgarian Association of Software Companies), as well as a certification organization (Unicert).

## Target groups

IT professionals and associations, VET providers, certification bodies, higher education institutions, companies & SMEs, as well as policy-makers.