STEM*SOFT*

Empowering STEM candidates for employability and entrepreneurship with enhanced non-technical soft and transversal skills

PARTNERs:

NTI-MMM AS

European Association for Education in Electrical and Information Engineering

EUROMASC

KALIBAO

QP QUALITY PROJECTS S.L

Stredni prumyslova skola chemicka Brno
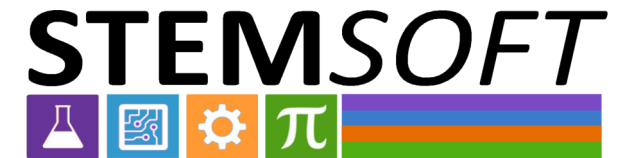
UNIVERSIDAD POLITECNICA DE MADRID

ENAIP VENETO IMPRESA SOCIALE

Independent Learning

Project introduction:

The STEMSOFT project aims at preparing STEM candidates with non-technical skills such as critical thinking, idea generation and interdisciplinary ways of working alongside their technical hard STEM skills. The consortium comprises different work cultures and training traditions and with input from international perspectives through the range of associated partners.

This STEM employability skills project aims to address this by defining relevant non-technical soft skills and transversal skills, described in an EQF/ECVET format, targeting the following groups:

- Migrants with a STEM background who are unemployed or underemployed

- Mobile workers seeking employment opportunities in another country or region

- NEETs (Not in Education Employment or Training)

- Undergraduates or graduates with a STEM background who are finding it hard to get a STEM job due to ethnicity, disability, or gender

- People in career transitions (people without formal STEM background wanting to move to a STEM career) facilitating permeability and flexible learning and training pathways

The intellectual outcomes in the project are:

Develop a coherent qualification matrix with units of learning outcomes covering relevant non-technical soft and transversal skills for STEM-related jobs.

Align and incorporate the new qualification matrix with ongoing employability efforts at European level.

Elaborate procedures to assess and document individual participants' previously acquired non-technical soft and transversal skills when matched against specifications in the developed qualification matrix.

Design an open learning environment based on OERs (Online Educational Resources), that facilitates the development of soft skills.

Prepare training provisions through MOOC-type deliveries and webinars.

Validation of training attainments based on assessments and micro-credentials certified by the training providers.

Create an Online platform that will serve as the hub in a fully digitalised training environment.

This entails full access to multilingual matrices defining required qualifications in learning outcome format (EQF/ECVET) – to which the OER repository will be linked to create a resource bank for the training programs, including MOOC, and in parallel the option of online assessments.

Prepare tailored learning materials for piloting the training modules in a MOOC to all target groups as developed in IO2.

Ready case examples in form of written materials and as a video/on-line based materials.

For more information about the project and the training course please visit: https://skillstools.eu/stemsoft/ or use the QR code: