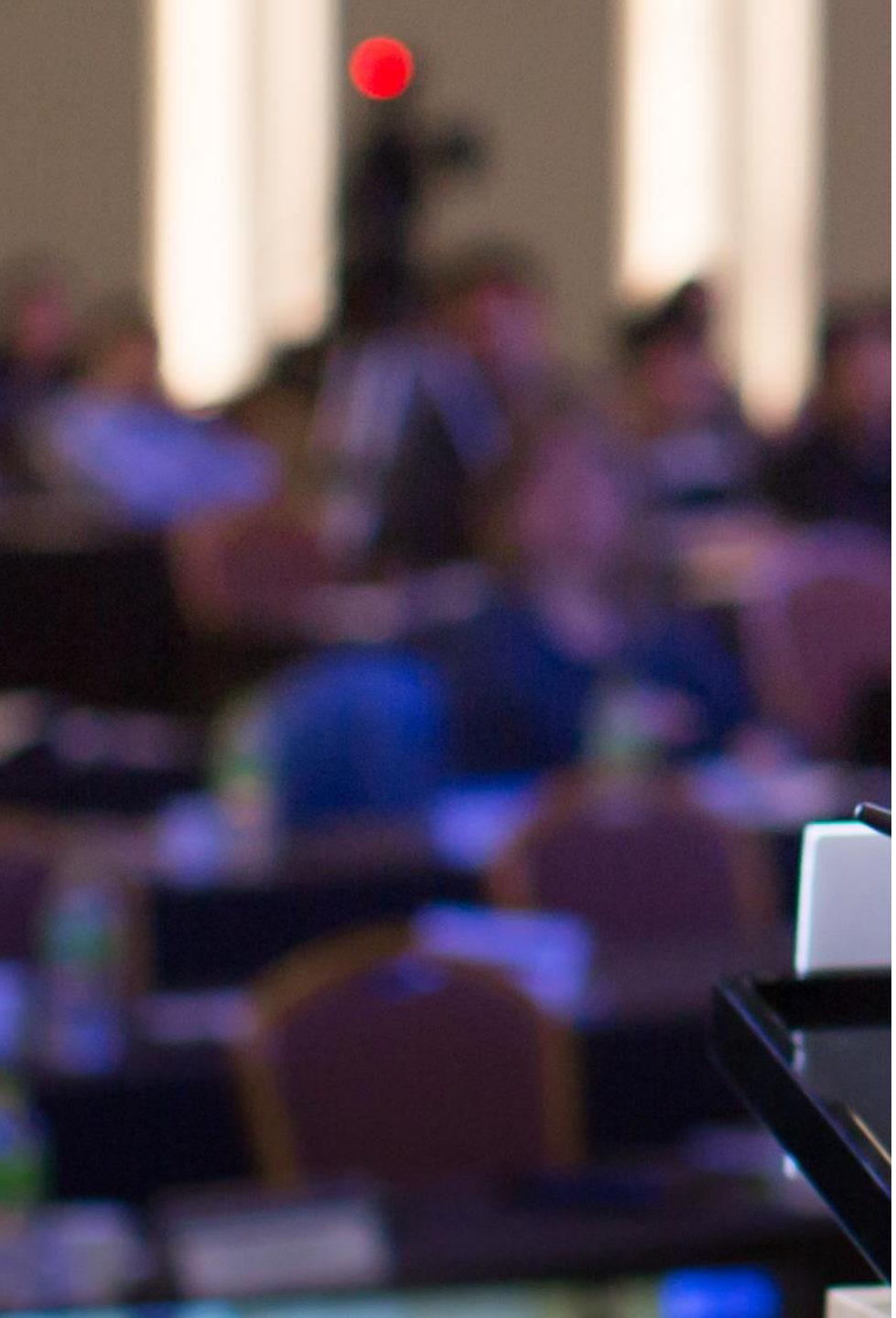
MACHINA

Machina Learning Skills for ICT Professionals

Erasmus+



Background and challenges

MACHINA is an Erasmus KA2 project, which aims to tackle this ML skill deficit by increasing the relevance of Continuing & Initial VET provision in the sector, to assure that the existing & future ICT workforce will have the ML specific competences & transversal skills required to respond to modern workplace requirements and succeed in a competitive, fast-growing field. The project will also make available transnational educational materials in the form of OERs, to ensure wide adoption and support VET provision in a cost-effective, flexible way.

Project Goals

- Design a joint VET curriculum in ML, to empower ICT workers with sought-after technical, non-technical and meta (soft) skills.
- Introduce flexible training delivery methods and innovative open access pedagogical resources to support VET provision and ML skills acquisition.
- Foster the recognition and integration of ML skills requirements into sectoral competence frameworks & certification schemes.
- Improve ML labour market & skills intelligence at the EU level.

Target Group

- Educational/Training providers.
- ICT workers in need of C-VET.
- I-VET students.
- Sector representatives and social partners.
- Public educational and accreditation authorities.

MAIN Outputs

- O1: MACHINE Learning (ML) learning outcomes.
- O2: MACHINA curriculum structure and Open Educational Resources.
- O3: Vocational Open Online Course (VOOC) infrastructures.
- O4: Framework for the recognition and integration of ML skills. requirements into certification & standardization schemes.
- E1- E5: MACHINA National Information Days.

MACHINA Main activities

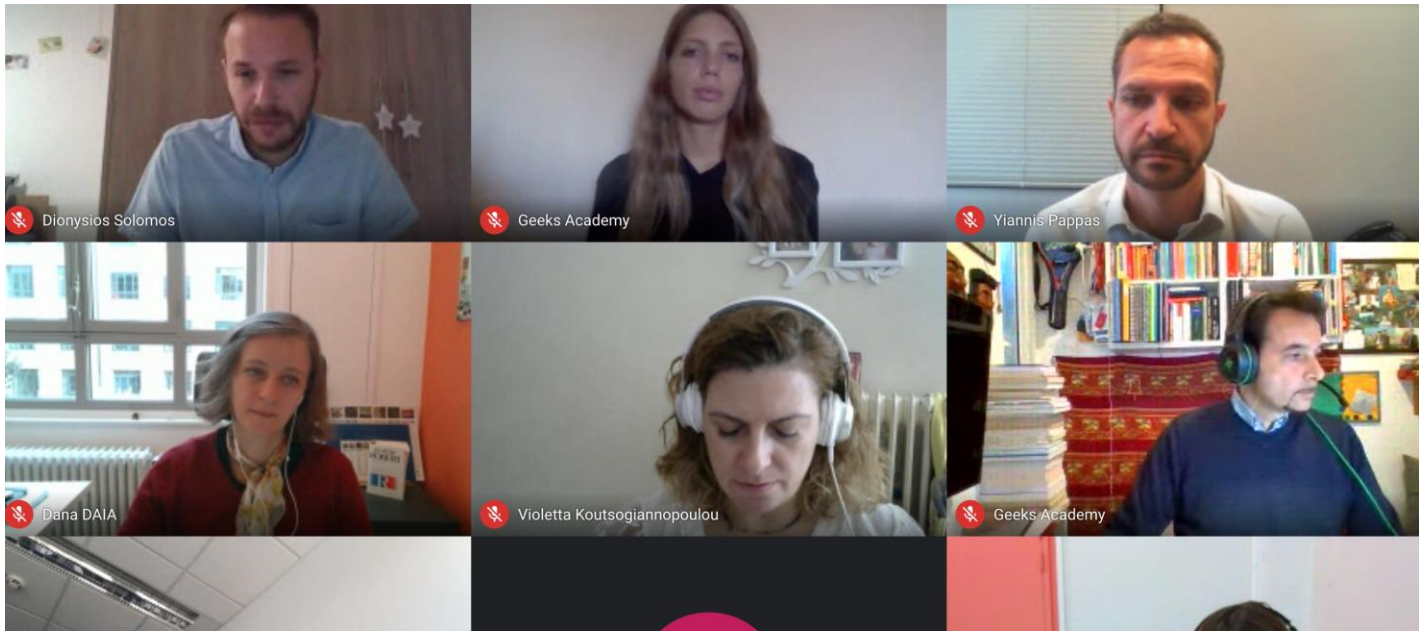
- Extended labour market and skills intelligence gathering activities, leading to the development of ML learning outcomes.
- Development of the structure of a joint VET curriculum on ML.
- Creation of corresponding pedagogical materials to be offered as Open Education Resources.
- Development, testing, delivery of Vocational Open Online Course (VOOC) infrastructures on ML
- Creation of a blueprint (specs) for the. establishment of an EU-wide ML qualification for ICT workers.

Duration & Grant

- The project starts in September 2020 and will finish in December 2022.
- The project is funded by the Erasmus+ and has a budget of 300K €.
- Five different European countries will participate in the MACHINA project: France, Greek, Italy, Romania, and Germany.

Kick-off Meeting

In September 2020, the first project meeting was held online to discuss the project plan and ensure all the partners have a common understanding of the project and their roles in it. Moreover, the training course's shared vision was highlighted, the main activities agreed upon, and further tasks divided. There were also discussed in detail project management and reporting procedures, budget allocation, and project timeline.



1ST Semester Outcome

- The first Semester of the Machina project outcome are:
  - MACHINE Learning (ML) learning outcomes.
  - Dissemination material, Project logo, Website, brochure, poster, and digital presentation.
- The next partner meeting will take place in March 2021, in Hannover, Germany.

Partners

- UCBL - Lyon, France
- ACADEMY - Rome, Italy
- ANC - Bucharest, Romania
- EXELIA - Athens, Greece
- L3S - Hannover, Germany

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