



## TIBL Project- Summary

The project develops C-VET training courses for training performed in formal and in non-formal C-VET education. These courses use Blended Learning as a technology enhanced method and focus on the use of multiple devices (as used by the trainees an everyday life). The innovation is the implementation of a trainee-focusing pedagogical framework based on heutagogy, the development of an all-encompassing quality enhancement framework (including also the pedagogy) and the approach to the diversity of various technical equipment (the multiple devices). The project is complementary to a Grundvig Multilateral project by transferring the theoretical developed outputs to a practical implementation in a different (but similar) educational sector.

The project combines knowledge and experience from VET training institutions with the research and innovation potential of universities. The applicant SAFA is an important Spanish school foundation focusing on school and vocational education, EFQBL is a VET and trainers education organisation, DigiLab from the University La Sapienza and the University of Aveiro are specialised in innovation in technology enhanced training and the related pedagogy. SADE is a specialist in Distance Learning and quality enhancement frameworks. These participants ensure a consortium well-distributed in Europe.

The activities performed are the development, implementation, performing and evaluation of pilot courses in C-VET, the programming of a supporting software tool for trainers, the implementation of a training course for trainers to learn about the new techniques and the creation of a transferability and evaluation guide for the use of the developed outputs.

The four products are special pilot courses fitting to the needs of the two training institutions SAFA and EFQBL using the tools described above, the new developed (web-based) software tool "Trainer's Toolbox", a Trainers training course (implemented as a MOOC on a Moodle server, provides as a MOOC) and the transferability guide.

The used methodology starts from the existing needs analyses and the done study about the technical background. In a wellplanned cooperation and experience exchange process the pedagogical framework is created (based on heutagogy) and the concepts of the Blended Learning courses. Supervised pilot courses (in a SME in Austria and C-VET courses in Spain) are used for evaluation of the findings and processed for necessary amendment. The gained experience is compiled to the two trainer aids (Trainer's Toolbox and MOOC). The transferability guide is created from the training experience by using the education field specific competences of the partners.

The project results impact to the trainer community in Europe providing innovative and modern training (based on Blended Learning and including workplace-based training) with a technology enhanced approach to training using multiple devices.

The training institutions will use the new developed methodology implemented in practical courses as their future approach to offer courses for training in C-VET education (focusing on not hands-on based learning content). The close connection to other VET training organisations will offer the practical passing of the developed methodology and tool and the further use in these organisations. The developed outcomes have a longer lasting lifetime if they are adopted to the change of the technical devices.