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ChemTube – Video documentation of learners' performance of critical tasks and demonstration of tacit knowledge

The stiff international competition in the European chemical and pharmaceutical industries require a highly skilled workforce to secure quality and productivity. The fact that patents are time-limited, with immediate releases of “copy products” from other parts of the world, intensifies the need for qualified staff rapidly taking on new tasks and challenges. To be competitive in a fast-developing market, the training quality, relevance and flexibility of training provision between schools and work-based learning is of utmost importance. Laboratory personnel and process operators with their skills and competences– tacit and tangible –represent a core part of the industry's intellectual capital.

The innovative aspects of the ChemTube project is to exploit the potential of video documentation to cover individual performance acquired from formal, non-formal or informal learning experiences. Videos are added to a personal portfolio in a multilingual setting, directly availing transparency and permeability options. The video recordings will be directly linked to the respective learning outcomes in the ECVET based-multilingual qualification matrices in Skillsbank to visualize the performance level and document elements of tacit knowledge present in the skills concerned. The partnership comprises 10 partners from 7 countries (AT, CZ, DE, FR, IT, NO, SK)

The ECVET principles form the framework for this project. This secures the requirements linked to the shared responsibility between schools and companies in securing compatible standards between the training providers and work-based learning. Using carefully designed learning outcomes, which are organised in logical units, the core qualification criteria will be operationally defined. For transparency purposes these qualification definitions will be developed transnationally and in multilingual versions. They will be supported by video clips as best practice examples as well as for documentation of individual learners' performance towards certification and employability.