The “Network of Excellence in Professional Learning” (PROLEARN) focuses on the technological support of continuous education and life-long learning for employees and companies. Therefore, 21 core partners with approx. 220 researchers and more than 250 associated partners from academia and industry work on the emerging topics in the field of technology enhanced professional learning. In particular, the research areas of PROLEARN range from personalized adaptive learning, learning resources including standardized provision and retrieval to respective business process integration in companies and new organizational forms of knowledge intensive work (http://www.prolearn-project.org).

The intensive research carried out in these areas lead to the identification of existing and emerging issues which are incorporated into the set of PROLEARN roadmaps and scenarios. These roadmaps provide comprehensive overviews on how technology enhanced professional learning will evolve within the next 5 to 10 years. They are developed, in cooperation with the Professional Learning Cluster (http://www.professional-learning-cluster.org), for various target groups like the learning employee, the learning organisation but also learning resource and management providers. Some of the identified emerging issues are the personalisation of the learning experience adapting it to the individual learner or the integration of learning and business processes with a tight coupling to organisational knowledge and human resource management. The development of an interoperable distributed ICT-architecture, that interlinks eLearning to knowledge management systems and other relevant enterprise-wide information systems in real time, therefore enable the dynamic accumulation of eLearning content with up-to-date information in an organizational-, individual- and application specific way. Beyond that, strategies, concepts and methods are being developed, that contribute to the satisfaction of heterogeneous learning and knowledge needs including intelligent
control concepts and tools for the technology supported transfer of current knowledge and education measures to the learner’s interface.