E-producers to design learning objects and supports individual navigation by the learner.

The twofold individualisation while using learning objects from a content repository in the beginning phase of a study programme in our university is basic concepts of education and basic principles of scientific work. Due to the large number of students there are two parallel lectures and 20 parallel seminar rooms each course are set up by the individual teacher. Thus a knowledge base with standardised learning objects that supports individualised twice, while the interplay between standardisation and individualisation is understood as a hidden learning objective.

Knowledge Base

The EML is basically a metadata vocabulary to describe teaching and learning models (covering models from behaviourists, constructivists and cognitive scientists). EML provides a vocabulary on three levels: Media types, knowledge types and relation types between topics. EML guides researchers in the field of knowledge management and knowledge engineering.

By Media Types

By Knowledge Types

By Relation Types

Teaching Sequences (Examples)