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The activities in the QUIS project will be directed towards Quality in e-learning, Interoperability and reusability of e-learning material and development of Standards in e-learning. The project will also look at cost effectiveness in e-learning.

Quality in e-learning is important for exchange of both learning materials and learning practices across Higher Educational Institutions in Europe. To establish joint study programs it is essential that cooperating institutions accept each others Quality Assurance Systems (QAS).



Objectives:

QUALITY

The activities in the QUIS project will be directed towards **QU**ality in e-learning, **I**nteroperability and reusability of e-learning material and development of **S**tandards in e-learning. The project will also look at cost effectiveness in e-learning.

Quality in e-learning is important for exchange of both learning materials and learning practices across Higher Educational Institutions in Europe. To establish joint study programs it is essential that cooperating institutions accept each others Quality Assurance Systems (QAS). Quality assurance is also important to describe, understand and accept different learning models between the institutions. **The goal is to promote more student-centered models, using Problem Based Learning (PBL) and socio-constructivistic approaches.** After agreeing on a set of applicable models, it is important to find ways to implement these models.

LMS / VLE systems

Many LMS / VLE systems are now quite focused on managing learning resources like text, video, sound etc. rather than supporting learning activities. The motivation for standardisation in e-learning seems to be strongly focused on the re-use of learning resources (learning objects) rather than interoperability in a broader sense,

including learning activities. The QUIS project want to look at both existing and experimental Learning Support Systems to see how adaptable they are for new European learning models. We will also examine Standardisation propositions (IMS, SCORM etc) and evaluate these with respect to learning models. **Our aim is to discuss strengths and weaknesses and make recommendations for further development.**

COST EFFECTIVENESS

Many institutions and e-learning networks have experienced how difficult it is to control the cost of developing and running net-based education. Many had to end their operations after a short time.

Our goal is to develop models for cost effective implementation and operating net-based education.

Approaches:

The project will be developed in different stages:

1. **QAS** for e-learning: analyse previous projects and disseminate results.
2. Enhance the QAS further by focusing on the ongoing Bologna process (structure and management), best practice and academic diversity.
3. **Analyse existing and experimental e-learning systems** related to parameters as management capabilities, pedagogical support,

content development and adaptability etc.

4. **Increase accessibility** and understanding of evolving e-learning standards.
5. **Propose requirements for the next generation of e-learning systems** by developing design patterns to guide teachers and increase personalisation using agent technologies. **This will provide input to ongoing standardisation and interoperability processes.**
6. The project will analyse available economic models and case studies in e-learning and suggest **new and balanced models for cost effectiveness.**

Expected results:

- A "database" with information about QAS and quality in e-learning reports
- A report on quality in e-learning to establish:
 - Joint European study programmes
 - Best practice for net-based education across language and cultural barriers
- State of the art report regarding managerial, content and pedagogical capabilities of LMS
- A guide to understand standards and relationships between different initiatives and projects
- A requirement specification for the next generation of learning support systems
- A model report on cost effectiveness based on both a theoretical and practical approach

