TENCompetence data

• EU IST–Technology Enhanced Learning Integrated Project
• 4 years: December 2005 – December 2009
• Budget 13.8 million euro (8.8 EU contribution)
• Extensive Pilots
• Tools will be provided as open source software
• Building a growing network of associated partners
Partners

1. Open Universiteit Nederland (co-ordinator)
2. ALTRAN (Software de Base, S.A. Madrid)
3. LogicaCMG
4. Universitat Pompeu Fabra Barcelona
5. GIUNTI Interactive Labs
6. Centre for Research and Technology - Hellas
7. L3S (Universität Hannover)
8. INSEAD (Institut Europeen d'Administration Des Affaire)
9. JISC (represented by University of Bolton)
10. Universiteit van Amsterdam
11. Sofia University "St. Kliment Ohridski"
12. SURF
13. Synergetics
Aim (and name)...

We aim to build The European Network for Lifelong Competence Development

i.e.

Provide a technical and organisational Infrastructure that can be used by any citizen, team or organisation to develop their competences
Why TENCompetence?

• Current **Pedagogical & Organisational Models** for learning *do not meet the demands* and possibilities of lifelong competence development and the new learning technologies that are available.

• For individuals, groups and organisations it is hard to **get an overview** of all the possible formal and informal learning opportunities that are available, and to identify the most appropriate ones.

• For an organisation it is hard to **assess the competencies** of applicants, employees and learners who have studied and worked in a variety of settings or multiple countries.

• The availability of **support** is crucial for effective task performance. Current e-learning environments provide too little effective and efficient support to the users.

• Worlds of knowledge management, education, training and informal learning are **not integrated well enough**: many fragmented methods & tools.
Relationship between 4 worlds

1. Community of knowledge resource users
2. Community of learning activity users
3. Community of programme users
4. Community of network users

- Network for lifelong competence development
- Competence development programmes
- Learning activities & units of learning
- Knowledge resources
7 Requirements for the infrastructure

1. Develop and integrate new pedagogical & organisational models for lifelong competence development (informal/formal, competence based)

2. Support personalised discovery services to find the best suited learning solution

3. Stimulate pro-active sharing of resources, ideas, etc

4. Support Competence Assessment (incl. Portfolios)

5. Provide effective/efficient user support

6. Stimulate decentralised, self-organised management

7. Integrates 4 different worlds of models, standards, services and tools
Other requirements (non-functional)

1. Open Source Only (OSI licences)
2. Use of Open Standards were possible
3. Integration into a Service Oriented Architecture
4. Extensible
5. OSS services can be replaced by commercial services
6. Self-sustainable after the project period as long as there are users
7. Association, network of (associated) partners to provide commercial and non-commercial services using the infrastructure
Basic Concepts in the Project
Key role for 'competences' 

- The concept of competence can bridge the world of education, training, knowledge management, human resource management & informal learning
- Many definitions, problem for system development
- Initial definition of 'competence' and 'competence development' in the project (next slides...)
Definition of TENCompetence

• Competences are bound to an occupation, a profession, a market (for an organisation) or any other life or work situation (a defined ecological niche). In words:

A competence is defined as the ability of an actor to act effectively and efficiently upon the events in an ecological niche (an occupation, a hobby, a market, a sport, etc.).

(short: effective performance in a domain)
How will it work?

• One learning network per occupation/domain of expertise
  Example: Opticians network, Health care network, Cooking, Bridge/Chess club, ...

• A competence framework for each learning network that specifies effective performance in the field for different proficiency levels

• Formal or Informal Competence Development Programmes (including dynamically created learning routes) that are aimed at the attainment of proficiency for one or more competences in the competence framework

• Learning activities or units of learning that are available/shared in the network and are the building blocks of the programmes

• Knowledge resources that are available/shared in the network and are used in the learning activities and units of learning
How will it work? <continued>

• Members of the learning network:
  - People in the profession (from very beginners to experts)
  - Suppliers of formal and informal programmes/courses
  - Suppliers of materials, tools, etc. needed in the profession
  - Employers and professional associations (if any)

• Functions to be performed by the members:
  - find & perform knowledge/learning activities/programmes
  - share & discuss knowledge/learning activities/programmes
  - support trainees in the profession
  - provide feedback on quality of programmes/courses
  - provide feedback on quality of tools from suppliers
  - define professional competences at different proficiency levels

• Facilitated by: Social Exchange Mechanisms; Support Agents
Pilots

• Digital Cinema: move from analogue to digital techniques
  - Learning Networks for: producers, camera man, technicians, ...
  - Pilot starts Jan. 2007

• Health Care: learning networks for different profession in the health care sector (doctors, assistents, ...)

• UNESCO-IHE: learning networks for the professionals that are responsible for the water management in the Nile region

• Antwerp Lifelong Learning City
Associated Partners

• Input use cases & test early versions
• Set-up pilots in collaboration with project (e.g. with additional funding from national funding agencies)
• Deliver commercial or non-commercial services using the TENCompetence infra (SMEs)
• Are working on a related project and want to establish a formal link with TENCompetence (e.g. an MOU)
• Foundation to sustain the network after the 4 years
• Every partner will actively promote the expansion of this network
References

www.tencompetence.org (project)

Thanks!