TEN Competence

Building The European Network for Lifelong Competence Development

Online Educa Berlin - 2008
Supporting lifelong competence development and employability using TENCompetence services

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Outline

14.00: Welcome & introduction
14.15: Short introduction to TENCompetence & lifelong competence development
14.30: Group work: What are your challenges?
15.00: Reflection & discussion on group work
15.20: TENCompetence focus: What is needed in LLL & employability?
15.45: Overview of TENCompetence services
16.00: Break
16.15: Work with TENcompetence services
17.15: Roundtable
17.45: TENCompetence foundation
18.00: Closure
TENCompetence project aim

- Building The European Network for Lifelong Competence Development
- To be used by any individual school, team or organisation that has a need to further development of competences in a formal and/or informal manner
- The system will develop and integrate open source software based on the principals of web services demonstrated by various clients
TENCompetence

• IST/TEL Project 4 years, Dec 2005- Dec 2009

• 14 partners, 8 countries

• OUNL, SURF, Bolton University, Logica, Sofia University, CERTH, Hannover University, GIUNTI Labs, ALTRAN, Universitat Pompeu Fabra Barcelona, INSEAD, Synergetics, UNESCO-IHE, Agora
Central Problem

- Knowledge society demands **lifelong learning**
- Integrated support for informal and formal learning is missing
- People are responsible for planning their careers – **employability**
- Support of **personal competence development** is required
Lifelong learning & Employability

- In order to support lifelong learning & employability, what are the challenges we are dealing with?
Group work

• What is needed to support LLL & employability?
• What decisions are needed?
• What kind of tools do we need?
• From learner perspective?
• HR/Management perspective?
Reflection
TENCompetence Focus

• Supporting *individuals* (and organisations) in development of their competences during their whole life:
  – I want to (further) develop a specific competence
  – I want a better job position
  – I want a new or different job
  – I want to keep my competences up-to-date

• Integration of learning, working, leisure
TENCompetence Focus

- Focus on personal development planning, instead of focus on curricula
- Personal development plans based on goals
  - Career plans
  - Personal objectives
- Plan can contain a mixture of:
  - Formal degrees
  - Informal learning intentions
  - Non-formal workshops
- Is personal and based on assessment of current competences
Integration of 4 worlds

From needs

- Communities for lifelong learning
- Competence development programmes
- Learning activities & units of learning
- Sharing & management of knowledge

personal development planning
Support for competence development

Use cases
• Stay up-to date in my job
• Improve a specific competence
• Study for a new job
• Explore new concepts
• Get competences assessed for a new job
How will it work?

• Lifelong learners are members of Learning Network/communities are learners and suppliers of learning activities and resources

• Members do things, find learning activities & programmes, learn, share & discuss what they are doing, support each other, provide all kinds of feedback
Overview of TENCompetence Services

- Learning design & assessment services
- Knowledge resource sharing & management services
- E-portfolio services
- Learning path & Navigational support services
- Community services

Personal Development planning
TENCompetence supports

- Formation of learning networks
- Planning of competence development
- Creation, borrowing, adaptation of competence profiles from other communities
- Creation and running of learning activities
The infrastructure

- Uses and develops interoperability specifications
- All open source (components can be replaced)
- Integrated through PCM 2.0 services and database
- Network of associated partners who would like to provide services using the infrastructure
Tools overview

Integrated User Interface (Environment for Personal Competence Development = PCM 2.0)

- Goal Orientation (overview)
  - My ePortfolio
  - Profile Editor
  - Simple Activity & Test Editor
  - Learning Path Editor
- My PDP
  - Competence Profiles editor/viewer
- Register & Login
- Learn & Test Environment (SLED)
  - ReCourse
  - Link Tool for runs of UOLs
  - Test editor (QTI)
- My Communities & presence
  - Community Editor
- Community Resources (LearnWeb)
  - Link tools for Resources
  - Content Editors (LMDcontent)

Legend:
- Orange = learner tools
- Yellow = author tools

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<table>
<thead>
<tr>
<th>Needs</th>
<th>Tools</th>
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</thead>
<tbody>
<tr>
<td>Overview and goal orientation</td>
<td>•Overview tool</td>
</tr>
<tr>
<td>Personal Development Plan</td>
<td>•PDP tool</td>
</tr>
<tr>
<td>Follow Course</td>
<td>•SLED</td>
</tr>
<tr>
<td>ePortfolio</td>
<td>•ePortfolio tool</td>
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<tr>
<td>Communities and online presence features</td>
<td>•My Communities</td>
</tr>
<tr>
<td>Access Community Resources</td>
<td>•LearnWeb 2.0</td>
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<tr>
<td>Needs</td>
<td>Tools</td>
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<td>----------------------------------------------------------------------</td>
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<tr>
<td>Share and manage resources</td>
<td>LearnWeb 2.0</td>
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<tr>
<td>Create Course</td>
<td>ReCourse</td>
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<tr>
<td></td>
<td>LD Editor(web)</td>
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<tr>
<td>Edit tests</td>
<td>QTI editor</td>
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<tr>
<td>Create competence development profiles and plans</td>
<td>Competence Profiles editor and viewer</td>
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<tr>
<td>Edit your e-Portfolio profile</td>
<td>Profile editor</td>
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<tr>
<td>Create simple test and activities</td>
<td>Simple activity and test editor</td>
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<tr>
<td>Create a simple sequence of learning activities</td>
<td>Learning Path Editor</td>
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<tr>
<td>Manage communities and set rights</td>
<td>Community Editor</td>
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<tr>
<td>Authoring content</td>
<td>Generic editors &amp; LD toolkit</td>
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</tbody>
</table>
### Results for search by keyword/s boat

#### Browsing categories

- **KRSM Root Category**
  - KRSM Category 1
  - KRSM Category 2
  - Sailing rules
  - Sailing theory
  - Regatta
  - Knots
  - Music
  - TENC Resources
  - TENC Attachments

<table>
<thead>
<tr>
<th>Title</th>
<th>Description</th>
<th>Source</th>
<th>Author</th>
<th>Type</th>
<th>Category</th>
<th>Tags</th>
<th>Rating</th>
<th>Popularity</th>
<th>Last Comment</th>
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<tbody>
<tr>
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<td>see the strain of the towing rope</td>
<td>Fedora</td>
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<td>Sailing Small</td>
<td>basic knots for sailing</td>
<td>Fedora</td>
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2 results
Pilots

• Digital Cinema in Spain
• UNESCO-IHE
• Agora
• ICT-teacher training University of Sofia
• Staff of libraries in the Netherlands
Work with TENCompetence services

- Recourse
- Personal Development Planner
Roundtable

- Potential of the services presented for supporting and transforming lifelong competence development and employability in Europe.
Roundtable questions & discussion

- Do the tools & infrastructure look useful?
- What are the benefits?
- What are the obstacles/disadvantages of presented tools/infrastructure?
- Where do you see opportunities?
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- learner tools
- author tools
TENCompetence Foundation

• Objects:

to support individuals, groups and organisations in Europe in the lifelong development of their abilities by developing and promoting the most suitable technical and organisational infrastructure, by making use of open-source, standards-based sustainable and innovative technologies
TENCompetence Foundation

- The Foundation attempts to realise its objects through:
  - Facilitating and providing leadership to the TENCompetence developers’ network by means of:
  - Coordinating development activities;
  - Managing software assistance;
  - Managing software issues and versions;
  - Monitoring how the software is used;
  - Etc..
Opportunities for involvement

• Sharing vision of TENCompetence
• Discuss & support for your challenges in lifelong learning & employability
• Involved in development of TENCompetence services
• Pilots
• Using TENCompetence services
Information

• www.tencompetence.org
• Articles & deliverables: http://dspace.ou.nl/
• manderveld@surf.nl
• dai.griffiths.1@gmail.com
Competence

A *competence* is the *estimated ability* of an actor to deal with *critical events, problems or tasks* that can occur in a certain situation (at work, at home, etc.)

This estimation can be based on:

– Self assessment
– Informal assessment by others
– Formal assessment by others
Integration?

- Overview of competence development opportunities
  - For the learner
  - For managers / HR
- Overview of what I need to do to accomplish those competences
- Open specifications for interoperability are essential to achieve this