

OSS-services
technical working group
2nd meeting

Bern, May 29th 2006

Feedback from project direction

- « So far, no need has been identified for a nationally hosted OSS LMS for the period 2007-2011 »
 - But *several* platforms might be possible
- Content management
 - Repository **or** content management
 - **Handout**: Four scenarios
- Integration of LMS with other tools
 - **Handout**: landscape of SWITCH services

Output from last meeting

Repository

- **SCORM / other standards compliance repository**
mandantenfähig (lightweight, progressive and straightforward management of visibility and permissions)
 - Meta-search engine through repositories
- **Import/Export from one LMS to the other**
 - Users can try out their content in different LMS's with different groups
 - OSI @ MIT, export a machine readable version of a course. Make it readable to a university portal JSR uPortal compliant

Integration

- Calendar ~ vcal / ical
- Video conferencing
- eCollaboration
- Instant messaging (jabber etc,...)
- Collaborative workspace (groups and files), share resources from one institution to another, document/object store exists at Switch ...

Repositories

		Share <small>P.J.2</small>	Migrate <small>P.J.1</small>
LO repository	Adriadne COL LOR		
LO repository federation	Merlot, Careo		
Web Content Management System	Drupal, Typo3		
File Version Control System	CVS, Subversion		

Slide 4

P.J.1 One shot problem. Get the content into the national repository.

Open HTML / Word / PDF

SCORM

LD

Quizzes QTI

Test content in different platforms.

Too complicated:

metadata

Less complicated:

submit and make searchable

we index it

we might to help you make LO out of it

guest / author / owner rights in OLAT

Service rather than tool. Help convert resources from and to different formats.

Patrick Jermann; 29.05.2006

P.J.2 Repository -> Platform

Patrick Jermann; 29.05.2006

End users sharing content

One shot problem. Get the content into the national repository.

Open HTML / Word / PDF, SCORM, Quizzes QTI

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eLearning Helpline

« Meta » Competence Center

- Search for content online and in repositories
 - Forum New Learning (no technical support, no software adaptation)
 - Expertise finder / coordination platform
- Meetings alone with interested people are not enough...
- Requirements
 - Community building (organize workshops and similar)
 - Quick answer to problems (everyday help)
 - Platform
 - Needs Animator / Moderator (A. Röllinghof)

eLearning Helpline: Examples

- Search for existing tools
 - Document and save answers for others
- Choosing a new tool
 - To make video / PPT synchronisation

eLearning Helpline: Issues

- Separate communities for experts and users
- Financing problem
-

Repository

Less complicated than full LO approach:

Submit to repository

file upload (anything)

lightweight annotation if desired

central (might be messy if everything is allowed in)

distributed repositories + federation (need to maintain interfaces)

extract from LMS ... save as repository file

harvesting (too complicated)

minimum of metadata required e.g. who has access to repository ... (default values)

Access

open to public

open courseware initiative type interface

search engine (including binary objects)

/ e.g. Google search appliance

/ e.g. Swish search engine

institutional (uni, lab, person) view of contents

SWITCH:

standards ? IMS automated part e.g. filetype

standard e.g. copyright, author, etc.

5 minutes for the specific part

common interface

Management

maintain versions

Solutions (OSS)

- Take complex system and rip it down
- Take simple system and build additional capabilities
- Start from scratch

Development and Integration of services

Platforms: M I and O

Integration

- AAI identity management (different contexts and roles)
 - e-portfolio (log of credits, courses, ...)
 - Context switching to be developed
- video-conferencing (launching and joining)
- e-collaboration (e.g. Breeze, etc.)
 - Exists already in some platforms / universities

Development of « middleware »

between LMS and services implemented by SWITCH

between LMS and services not directly supported by SWITCH (webservices, protocols)

- instant messaging
- web-logs
- wikis
- calendar
- repository (one button exporter / importer)
- ...

Silhouette of a development service

- Development should be useful to more than n institutions
- Market monitoring and assessment
 - See eLEarning tools search engines at ETH
- SWITCH establishes the link between needs and competences
 - Decentralized centres of competence (Unis)
 - Switch as a development force
 - Switch supports an institution doing a development useful for several institutions
- Workshop organisation and « community » support
- Finances ?