

## Brainstorming Session E-Learning, AAA Info Day 2010, Bern

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### Needs:

1. Integrate e-Portfolio in existing environments
2. Connect different kinds of "e-Portfolio", including formats as videos etc.
3. Import and export of e-portfolios
4. Roadmaps of projects as SIOUX and e-Assessment in general
5. More flexible and open LMS (integration of new tools) or other tools offering the necessary flexibility (as Twitter etc.)
6. Powerful search engines and tools and the necessary metadata and metadata schemes
7. Decentralized organization/storage of resources
8. Easy share of content like question pools (standards)
9. Device-specific applications, able to overcome the hardware limitations (obsolescence)
10. Test practical skills in an interactive way and with the support by mobile devices

### Specific needs:

1. Moodle programmer (Claudia Schmucki, ZHAW)

### Notes:

- ePortfolio & Shanghai Lectures:

Nathan Labhart, UZH: Students can upload their videos and thus have a "kind of portfolio".

- ePortfolio & Mahara:

Hansjörg Lauener, iLUB: iLUB is thinking about creating an adapter for ILIAS to use Mahara. iLUB do not want to introduce another new system. They want to confine themselves to 1-2 systems and create adapters to use other tools. Students could import and export their portfolios.

- eAssessment:

Where is the SIOUX-project going? Is there a corresponding roadmap?

Collaboration with eLML -> xml-standard to fit it

Is SIOUX a tool or a security idea?

Asymmetric encryption and backup on USB-stick

- Claudia Schmucki (ZHAW) is looking for Moodle programmers. University of Geneva and USI are quite active in Moodle programming.

Moodle is "too closed": All resources stay in Moodle and "get lost" in it. Moodle should be more open.

- LMS are not flexible enough. New applications (eg. Twitter) are difficult to be integrated.

- How important is eLearning today?

Roland Streule: eLearning seems to be more important in private industry than at Universities.

- How important are metadata?

Roland Streule, UZH: Metadata are crucial for search engines to find resources in the (non AAA) project “educational landscape psychology” (edulap). Teachers and students could search their courses. Resources should be organized in a decentralized way.

Olaf Schulte, ETHZ: Search relies on metadata. Therefore, allocation of metadata is crucial. Full text search is not reliable. Both teachers and students would benefit from metadata.

- What about the mobile devices?

Markus Stolze, HSR: Mobile devices become more important for mobile learning (eg. e-books, i-phone, tablets etc.). We should start building device-specific applications.

Olaf Schulte, ETHZ: It would be a disadvantage to build device-specific applications, as you can only use them with the corresponding device.

- Interactive eAssessment:

Markus Stolze, HSR: eAssessment would be convenient for medical exams. Tablet or i-phone could be used to support experts in assessing exams in the medical field and to check the practical skills of students.

- Content Production: There is no project for authoring tools. Is there any need?

Markus Dahinden, ETHZ: An authoring tool for exam questions is created, i.e. a question pool database. Problem: How can this question pool be shared between different universities? What question types are supported? Are the questions corrected automatically?

Also the “tasks” mentioned by Claudia Schmucki are “content”.