

Media & Learning Association

Webinar | 19.11.2015

Open Source ILIAS Plugin: Interactive Videos

Research Project: Windows for Continuing Education

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Agenda



- I. Background and Goals
- II. Demo I: Playback and Features
- III. Demo II: Editing Interactive Videos
- IV. Prospects

I. Background and Goals

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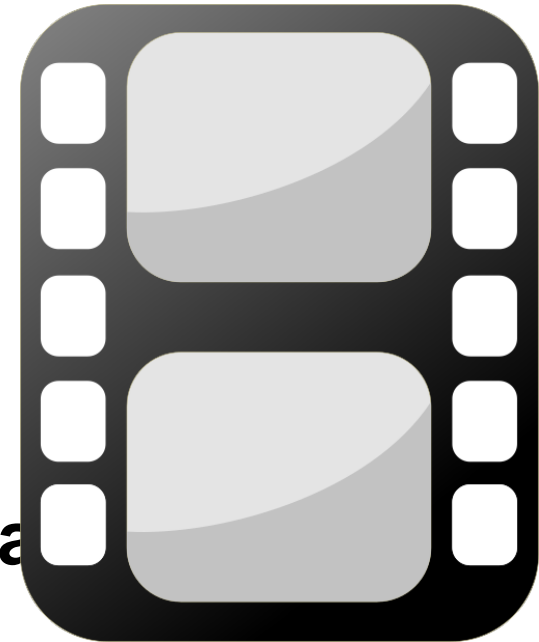
- LMS: open source software ILIAS (www.ilias.de) + plugins (Etherpad, LiveVoting,...)
- ~ 25,000 students
- ~ 6,000 employees
- ~ 2,000 courses on ILIAS per semester
- 2 ILIAS servers: **curricular** vs. **continuing** education programmes
- Online meeting server connected with ILIAS: Adobe Connect

Goals for handling videos



- **break up passive consuming** of video material
- **collaborative approach** to watching videos
- **annotation** „within“ a video done by instructors and students (private and „public“ notes)
- **feedback opportunities**
 - for instructors on **learners' state of knowledge**
 - for learners to **post questions** and, for example, to point out **difficult passages, ...**
- **no extra tool** – full integration in LMS **ILIAS**

- **new Repositoryobject**
„Interaktive Video“
- Playback using the default **ILIAS mediaplayer**
(mediaelement.js)
- Videosource: **Upload of media file** (mp4 / mov + h.264, ogv, webm, mp3, ...)
- **open source plugin** for ILIAS



II. Demo 1

Playback of interactive elements

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- show questions als **overlay during video playback**
 - **3 types:** Single Choice, Multiple Choice, self-reflexion (no answers)
 - CSV export of learner results
 - optional: repeat question, limit number of tries
- **textual feedback** and feedback **jump points** for passed and failed questions
- **simple annotation** during playback (private and public, separate overview / editing)

III. Demo 2

Editing of interactive elements

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IV. Prospects

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Current state and future prospects



- published the plugin on www.ilias.de in July 2015
- further development by the ILIAS Community → crowd funding
- **goal:** intergrate the functionality as a core feature of ILIAS → sustainability

That's it!



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Thank you for your attention!

Which questions came to your mind?

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