Unattended lecture recording: the VIDEOAPUNTES Project

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Some words about UPV

- Located in Valencia (Spain)
- 40,000 students
- 35 degrees in 13 faculties
- Mostly technical studies:
  - Engineering
  - Architecture
  - Business
  - Arts
Educational technology evolution in UPV

- **2006/08**
  - PoliformaT
  - Learning Objects
  - Polimedia

- **2008/09**
  - LO Repository
  - Politube
  - OCW

- **2009/11**
  - Distance Learning
  - Policonecta
  - Polireunión

- **2011/12**
  - Publication
  - iTunesU, Youtube
  - Opencast
  - Matterhorn
  - Polimedia HD

- **2013**
  - MOOCs
  - UPV[x]
  - MiriadaX
  - Translectures

- **2013**
  - iTunesU
  - Youtube
Videoapuntes 2012-2013

• Live lecture recording
• Our use case is to replace note taking
• 100 % unattended
• Just for our students
• Example:
  http://videoapuntes.upv.es:8080/engage/ui/watch.html?id=fd9b05-9344-4d63-ae11-904cac90e156
Opencast project

Cambridge University
ETH Zurich
Fluid
Indiana University
Northwestern University
University of California Berkeley
University of Copenhagen
University of Osnabrueck
University of Saskatchewan
University of Nebraska-Lincoln
University of Vigo
Videolectures.net
Processing Flow

Production | Processing | Publication

Galicaster | matterhorn | Sakai
LECTURE HALLS
Recording workflow

• Teacher asks to be recorded (We want that to be made with a Sakai tool)
• We load the recording data into Matterhorn (semi-automatic process)
• Recording starts & stops automatically
• Teacher has a time to decide if that recording shall be available to his students
• Recordings are delivered through Sakai using LTI
Recording Plan
Monitoring
Sakai LTI integration
>1800 Hours Recorded
Paella Player

• We contribute to the Opencast Community by developing a new player
• HTML5 + Javascript multistream video player
• Easy development, adjust easily to your needs
• Integrated editor (soft Trimming)
• Integrated publishing, so the teachers validate their recordings

• http://paellaengage.upv.es
Editing with Paella

http://videoapuntes.upv.es:8080/engage/ui/watch.html?id=fdb9ab05-9344-4d63-ae11-904cac90e156
A SURVEY WITH OUR STUDENTS
I have found Videoapuntes' recordings useful for LEARNING

- Yes: 73%
- So-so: 19%
- No: 8%
I have found Videoapuntes' recordings useful for PASSING

- Yes: 47%
- So-so: 44%
- No: 9%
I have used videoapuntes for ...

- Preparing my exams: 39%
- Review last session before attending: 27%
- Solve doubts: 65%
- Other: 8%
I would like to have videoapuntes in more courses

- Yes: 88%
- So-so: 8%
- No: 4%
Have you assisted to less lectures because of having the recordings available?

- **82%**: No, I have assisted the same
- **11%**: Yes
- **7%**: I have assisted to less lectures, but for other reasons
In case it was available, what device would you prefer to access the videoapuntes content?

- 56% Desktop PC
- 21% Laptop
- 15% iPad or other tablet
- 8% Smartphone
Conclusions

• UPV has made a wide deployment of lecture recording during the 2012-2013 term
• We have been able to make fully automated recording, so we are able to scale up
• Students are very happy in having recordings
• We are going to add more tools to get more than just the video, like comments, OCR from the slides, etc
Thanks!