Networked Learning on the UPV

Jaime Busquets
UPV-Learning technologies

2006/08
- PoliformaT
- Learning Objects
- Polimedia

2008/10
- LO Repository
- Politube
- OCW
- Synchronou s Learning

2010/11
- iTunesU, Youtube
- Opencast Matterhorn
- Polimedia HD

2012/13
- MOOCs
- UPV[x]
- MiriadaX

2013/14
- MOOCs edX
- Automated transcription

- transLectures
- EMA
“Networked Learning” strategic program

2007-2014 UPV Strategic Plan

1. OpenCast
2. MOOCs
3. Other initiatives
OpenCast

A bird’s eye view:

- 50 Matterhorn lecture halls
- Recording courses, seminars, conferences, tests, etc.
- Quite a big number of recordings
- Opt-in policy
- Students Access the recordings through the LMS (Sakai)
OpenCast

Released Paella Player 3

- HTML5 player for Matterhorn
- Dual stream play
- Ability to manage Media Packages

http://paellaplayer.upv.es/
New Features

- Compatible with iOS (iPad) and Android 4.X
- Skinnable
- Multiple quality video support
- Integration with non-Matterhorn servers
- ARIA tags (thanks to UCB)
- Tooltips (thanks to UCB)
- Downloading of video files
- Login/Logout button
- Video Export
- Comments
Plans for the new version

- OpenEdX integration
- Look more closely to mobile development
- Multiple captions support (within the transLectures Project)
- Interactivity through small questions on the video through the paella.MessageBox API (with UC3M – Spain)
- Work on the video export feature
Students Access to Matterhorn recordings

- Access to MH recordings at UPV is restricted to the students of each course
- Access control is done through CAS
- We have a log of which students have accessed the content (and when)
The 10 courses with more recordings @ UPV

<table>
<thead>
<tr>
<th>Course</th>
<th>Matterhorn students</th>
<th>Non-Matterhorn students</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>433</td>
<td>89</td>
<td>82,95%</td>
</tr>
<tr>
<td>2</td>
<td>324</td>
<td>78</td>
<td>80,60%</td>
</tr>
<tr>
<td>3</td>
<td>308</td>
<td>88</td>
<td>77,78%</td>
</tr>
<tr>
<td>4</td>
<td>298</td>
<td>78</td>
<td>79,26%</td>
</tr>
<tr>
<td>5</td>
<td>264</td>
<td>1</td>
<td>99,62%</td>
</tr>
<tr>
<td>6</td>
<td>179</td>
<td>472</td>
<td>27,50%</td>
</tr>
<tr>
<td>7</td>
<td>106</td>
<td>2</td>
<td>98,15%</td>
</tr>
<tr>
<td>8</td>
<td>47</td>
<td>0</td>
<td>100,00%</td>
</tr>
<tr>
<td>9</td>
<td>38</td>
<td>30</td>
<td>55,88%</td>
</tr>
<tr>
<td>10</td>
<td>37</td>
<td>134</td>
<td>21,64%</td>
</tr>
<tr>
<td>Total</td>
<td>2034</td>
<td>972</td>
<td>67,66%</td>
</tr>
</tbody>
</table>
### Marks per course (from 0 to 10)

<table>
<thead>
<tr>
<th>Course</th>
<th>Matterhorn students</th>
<th>Non-Matterhorn students</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>5.82</td>
<td>5.76</td>
<td>1.09%</td>
</tr>
<tr>
<td>2</td>
<td>6.5</td>
<td>6.46</td>
<td>0.63%</td>
</tr>
<tr>
<td>3</td>
<td>6.28</td>
<td>6.36</td>
<td>-1.25%</td>
</tr>
<tr>
<td>4</td>
<td>7.38</td>
<td>7.2</td>
<td>2.38%</td>
</tr>
<tr>
<td>5</td>
<td>6.46</td>
<td>8.1</td>
<td>-25.39%</td>
</tr>
<tr>
<td>6</td>
<td>5.78</td>
<td>5.37</td>
<td>7.15%</td>
</tr>
<tr>
<td>7</td>
<td>7.13</td>
<td>5.5</td>
<td>22.83%</td>
</tr>
<tr>
<td>8</td>
<td>6.62</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>9</td>
<td>7.66</td>
<td>7.78</td>
<td>-1.57%</td>
</tr>
<tr>
<td>10</td>
<td>6.5</td>
<td>5.92</td>
<td>9.02%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>6.44</strong></td>
<td><strong>5.8</strong></td>
<td><strong>9.91%</strong></td>
</tr>
</tbody>
</table>
Marks (from 0 to 10)
Marks (between 0 and 10)

Displacement

Con With Matterhorn
Without Matterhorn
Preliminary Conclusion

1. There is a (slight) effect in marks due to lecture recording
Listado de cursos (haz click sobre la foto o el nombre del curso para inscribirte)

- **Buscar en Internet**
  - 7 semanas
  - 18/02/14

- **Valoración de Futbolistas**
  - 3 semanas
  - 18/02/14

- **Tecnologías Educativas**
  - 11 semanas
  - 18/02/14

- **Der. civil foral valenciano**
  - 6 semanas
  - 18/02/14

- **Bases matemáticas**
  - 4 semanas
  - 18/02/14

- **Mecánica para ingeniería**
  - 6 semanas
  - 18/02/14

- **Introducción a la química**
  - 12 semanas
  - 18/02/14

- **Comunicaciones ópticas**
  - 7 semanas
  - 18/02/14

MOOCs at UPV

- Developing courses
- Publishing
- Testing platforms
- Analyzing results
Producing content: Doing it in a neutral ("standard") format

It is best to create the content in a neutral format for deploying on different platforms
Courses launched

<table>
<thead>
<tr>
<th>Edition</th>
<th>Nb. courses</th>
<th>Enrolled</th>
<th>Certified</th>
<th>Platform</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>1.171</td>
<td>160</td>
<td>GCB</td>
</tr>
<tr>
<td>2</td>
<td>14</td>
<td>76.459</td>
<td>11.805</td>
<td>MiriadaX</td>
</tr>
<tr>
<td>3</td>
<td>8</td>
<td>5.971</td>
<td>667</td>
<td>GCB</td>
</tr>
<tr>
<td>4</td>
<td>10</td>
<td>4.119</td>
<td>427</td>
<td>GCB</td>
</tr>
<tr>
<td>Totals</td>
<td></td>
<td>87.720</td>
<td>13.059</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>17</td>
<td>&gt;48.000</td>
<td></td>
<td>GCB+OpenEdX</td>
</tr>
</tbody>
</table>
## Overall Satisfaction

<table>
<thead>
<tr>
<th></th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Do you like this way of learning?</td>
<td>A lot</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Yes</td>
<td>Not much</td>
</tr>
<tr>
<td>Do you feel you have learnt?</td>
<td>25,1%</td>
<td>52,9%</td>
</tr>
<tr>
<td>Do you like the videos?</td>
<td>23,9%</td>
<td>63,6%</td>
</tr>
<tr>
<td>Video scheduling (OK/Slow/Fast)</td>
<td>84,2%</td>
<td>2,4%</td>
</tr>
<tr>
<td>Video length (OK/Short/Long)</td>
<td>89,4%</td>
<td>5%</td>
</tr>
<tr>
<td>Assessments (OK/Easy/Difficult)</td>
<td>80,2%</td>
<td>16,5%</td>
</tr>
<tr>
<td>Doubt answering (OK/slow/Not enough)</td>
<td>69,5%</td>
<td>22,6%</td>
</tr>
<tr>
<td>Difficulty (OK/Easy/Hard)</td>
<td>90,9%</td>
<td>8,2%</td>
</tr>
</tbody>
</table>
And now...

- We are preparing a new edition for June 2014
- Developing 8 new courses
- We are migrating to OpenEdX for our 2014 MOOCs
- We are connecting UPV MOOCs with other initiatives
EMMA

- European aggregator for MOOCs
- Aim to provide multilingual access to European MOOCs
- UPV provides translation technology and courses
Other initiatives

- Flipped Classroom
- Networked Teaching week

Goals:
- Improve classroom teaching using new networked resources.
- Provide teachers new methodologies.
- Provide students with new content
Conclusions

- End of our Strategic Plan 2007-2014
  - And then, of our “Networked Learning Program”
- Start of evaluation tasks of results
  - And then, of our “Networked Learning Program”
- Discussing the new one 2015-2020
  - And then, proposing new initiatives, “children” of our “Networked Learning Program”
Conclusions

- End of our Strategic Plan 2007-2014
  - And then, of our “Networked Learning Program”
- Start of evaluation tasks of results
  - And then, of our “Networked Learning Program”
- Discussing the new one 2015-2020
  - And then, proposing new initiatives, “children” of our “Networked Learning Program”
- Working even on St. Vincent’s day!
Thanks!

busquets@upv.es