TECHNOLOGY DEVELOPMENTS ACROSS THE UK HIGHER EDUCATION SECTOR: REFLECTIONS ON RECENT UCISA RESEARCH

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UCISA Technology Enhanced Learning (TEL) Survey

- Questionnaire sent to all HE institutions across the UK
- Surveys conducted in 2001, 2003, 2005, 2008, 2010 and 2012. At each stage a longitudinal analysis was undertaken.
- 2014 survey launched in January 2014, report due September 2014
- In 2010 and 2012, survey was accompanied by a series of case studies.
- View survey and case studies reports at: www.ucisa.ac.uk/tel

UCISA good practice case studies

DEVELOPMENTS OVER THE PAST DECADE (2003-2013)

Capacity building (2003-2008)
- HEFCE Teaching Quality Enhancement Fund
- Pump-priming supported investment in centrally managed TEL services
- Initial investment in Virtual Learning Environments and consideration of Managed Learning Environments

Consolidation of TEL services (2008-2012)
- Higher Education Academy benchmarking activities
- Reflection of e-learning investment and strategic priorities
- Consolidation of existing services, e.g. VLE, assessment tools (e-submission, plagiarism detection)

Disruption and renewal? (2012- )
- MOOCs - Increased interest in online provision and outreach
- Flipped classroom
- Mobile technologies
- Increasing demand from students
# INSTITUTIONAL PROVISION OF TEL TOOLS

<table>
<thead>
<tr>
<th>Tool</th>
<th>2008</th>
<th>2010</th>
<th>2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>VLE</td>
<td>96%</td>
<td>-</td>
<td>100%</td>
</tr>
<tr>
<td>Other tools:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plagiarism detection</td>
<td>-</td>
<td>92%</td>
<td>92%</td>
</tr>
<tr>
<td>E-submission</td>
<td>-</td>
<td>89%</td>
<td>87%</td>
</tr>
<tr>
<td>E-assessment</td>
<td>77%</td>
<td>80%</td>
<td>79%</td>
</tr>
<tr>
<td>E-portfolio</td>
<td>64%</td>
<td>72%</td>
<td>76%</td>
</tr>
<tr>
<td>Wiki</td>
<td>72%</td>
<td>75%</td>
<td>74%</td>
</tr>
<tr>
<td>Blog</td>
<td>68%</td>
<td>74%</td>
<td>72%</td>
</tr>
<tr>
<td>Podcasting</td>
<td>69%</td>
<td>69%</td>
<td>62%</td>
</tr>
</tbody>
</table>

Source: UCISA 2012 TEL survey
ADOPTION OF E-SUBMISSION TOOLS IN COURSE DELIVERY

UK HIGHER EDUCATION TEL HYPE CYCLE

Based on the Gartner Hype Cycle methodology
www.gartner.com/technology/research/methodologies/hype-cycle.jsp
Key challenges:

- Mobile technologies
- Bring your own device (BYOD) and services (BYOS)

Software tools used by students which are not centrally-supported.

<table>
<thead>
<tr>
<th>Tool</th>
<th>2008</th>
<th>2010</th>
<th>2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Social networking</td>
<td>-</td>
<td>81%</td>
<td>73%</td>
</tr>
<tr>
<td>Blog</td>
<td>46%</td>
<td>59%</td>
<td>60%</td>
</tr>
<tr>
<td>Document sharing tool</td>
<td>-</td>
<td>-</td>
<td>52%</td>
</tr>
<tr>
<td>Social bookmarking</td>
<td>30%</td>
<td>48%</td>
<td>40%</td>
</tr>
<tr>
<td>Wiki</td>
<td>34%</td>
<td>51%</td>
<td>36%</td>
</tr>
</tbody>
</table>

Source: UCISA 2012 TEL survey
INCREASING FOCUS ON STUDENTS

Top five driving factors for TEL development ( rankings)

- Enhancing quality of learning and teaching in general
- Meeting student expectations
- Improving access to learning for students off-campus
- Improving access to learning for distance learners
- Improving access to learning for part-time students
Expectation that technology will:

- Enable more flexible learning (National Union of Students, 2010)
- Offer better administration, resource provision and support for independent learning and
- Be applied where relevant, but will not undermine contact time on campus (Bone, 2013)

Expectation of students as partners, not consumers. Active involvement in

- Scoping and planning TEL developments
- Co-creation - curriculum design (Wenstone, 2013)
2012:

- UK introduction of £9,000 fees
- only 3% of courses fully online
- MOOC revolution
  - Launch of initiatives such as Udacity, edX Coursera and FutureLearn
  - Concerns about MOOC business models
- Sparked interest in online education – accelerator for pedagogic innovation on campus?
- Now considering benefits of MOOCs for on-campus students
NEW APPROACHES TO SERVICE MANAGEMENT

- Outsourcing of TEL support and provision not well established
- But growing uptake of cloud services such as Google Apps for Education and Microsoft 365

**Outsourced support**

- Top 3:
  1. Student email (67%)
  2. VLE (36%)
  3. Staff email (33%)

**Outsourced provision**

- Top 3:
  1. Student Email (66%)
  2. VLE (28%)
  3. Staff Email (19%)
LOOKING TO THE FUTURE

- Students as partners in curriculum design and adoption of TEL provision (Wenstone, 2013; Jisc, 2014)
- Embedding of mobile technologies in the curriculum (UCISA, 2014)
- Increased flexible, online provision – taught postgraduate and CPD.
- Transfer of MOOC inspired pedagogies filtering down to on-campus teaching (Yuan, Powell and Olivier, 2014) - e.g. techniques for supporting large cohorts.
- Greater use of learning analytics
More detail in the related conference paper:

References


