Digital Preservation, e-journals and e-prints

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Overview

• Digital Challenges
• JISC archiving e-journals study
• JISC preservation of e-prints study
• Sources of advice
• Questions?
New digital challenges

• **Media Degradation** - media degrades and information is easily destroyed without adequate care

• **Technological Obsolescence** - only accessible through hardware and software - rapid obsolescence eg BBC Domesday

• **Authenticity** - electronic records easily amended and have to be moved through new technologies

• **Licensing access to content and implications for future preservation and access**
Predicted Growth of Serials Publications (after EPS)

- All serials (print + e-)
- Dual form
- E-only serials
Archiving E-Publications

JISC study by Maggie Jones
available from:
<http://www.jisc.ac.uk/index.cfm?name=project_epub_archiving>

• Final report
• digest of reading
• report of libraries survey
• report of Archiving Workshop
Background

- **PSLI 1996-1998**
  - site licences with 4 publishers - focus on print
- **NESLI 1999-2002**
  - Encouraged a move by libraries towards electronic access
  - Encouraged publishers to permit print cancellations
- **Study commissioned as part of implementation of JISC Continuing Access and Digital Preservation Strategy**
e- journals - advantages

• Most commonly cited reasons for moving to e- only:
  – convenience (24/7 access)
  – potential space savings
  – improved access to a greater number of titles
  – increasing needs and expectations of users
Issues

• Few journals are solely in digital form at this stage but parallel print/e-access can only be regarded either as interim or partial equivalents.

• What guarantees do libraries have when they licence access to digital material they don’t own (and it is served from outside national boundaries)?

• Concerns about continued access following termination of a licence are a major inhibiting factor for libraries wishing to move to e-only access.
NESLI Model Licence

• Developed collaboratively between publishers and libraries
• Since 1999 has included clauses relating to continued access to material already paid for following termination of licence
• Assumes the licence cost includes “perpetual access”
NESLI Archiving Clauses

- Clause 2.2.2 provides three options:
  - Following termination of licence, continued access to be delivered:
  - online from publishers server or third party
  - archival copy delivered to Licensee
  - archival copy delivered to a central archiving facility operated on behalf of HE
Archiving by publishers

- Short-medium term option - Business model doesn’t include preservation for common good
- Publishers don’t necessarily hold all archival rights
- Vary greatly in size, business model, strategic directions
- Libraries have concerns about publishers taking on this role
Archiving by the Library

- The “archival copy” referred to in the licence tends to be CD-ROM
- Libraries do not want to undertake this role
- Random distribution of effort
- There is a strong sense of wanting to find a national solution offering a reliable service
Central Archiving Facility

- Doesn’t currently exist and will be expensive to establish
- A central service which would provide libraries with the assurance they need without undermining publishers business models
  - What should it look like?
  - How would it operate?
  - How would it be funded?
Archiving Workshop

• 26 invited delegates attended a Workshop on 17th February 2003
• Considered organisational options; related developments; legal issues; business models
• Assumed that the status quo needs to be improved
• Needed to decide on plan of action to move things forward
Models outside UK

- Outcomes of Mellon projects
  - New organisations will be necessary to act in the broad interests of the scholarly community and mediate the interest of libraries and publishers
  - JSTOR e-archiving pilot
- LOCKSS consortium (JISC currently assessing LOCKSS)
- National library acting as official archive for publisher (KB/Elsevier agreement)
- OCLC Digital Archive
UK Legal Deposit

- Enabling legislation has been passed. Regulations need to be drafted to enact for specific categories of material
- Substantial achievement (1 of only 7 worldwide)
- Major infrastructure (DOMS) being developed at BL for these and other digital materials
- However
  - significant number of e-journals used by UK HE will be sourced internationally and outside UK jurisdiction
  - Full solution to E-journal archiving challenges will need to be wider than UK
  - Access needs/rights of purchasers in universities and legal deposit public access rights are different
Workshop conclusions

- Any solution *must* be an active collaboration between libraries and publishers (and possibly wider than this eg learned societies)
- Publishers’ servers are probably the best means of access in the short- medium term
- The option of providing an archival copy to individual libraries is not recommended
- Unlikely to be a single point solution - central co-ordination needs to be established to evaluate and ensure ongoing access

- JISC will seek to implement and move forward study recommendations (series of collaborations may be involved in this)
Summary - why do we need preservation of e-journals?

- If you are purchasing e-journals:
  - Need for citation, future access and use
  - Parallel print and paper will diverge – electronic content will be different
  - doing nothing means maintaining both electronic and paper
  - fundamental change from print -licensing access to electronic content
  - presents new challenges for continuing access and preservation
  - New solutions and collaborations beginning to emerge
Preservation of E-Prints

• JISC funding development of institutional repositories for e-prints, e-theses etc under its FAIR programme (more later).

• JISC preservation feasibility study by Hamish James et al-Final report available from:

• JISC funding call 04/04 to implement main recommendations
04/04 Supporting Institutional Digital Preservation and Asset Management

- Theme one: Institutional Management Support and Collaboration (policy, procedures, roles, training)
- Theme two: Digital Preservation Assessment Tools
- Theme three: Institutional Repository Infrastructure Development (replication, file format conversion, preservation network)
- Closing date 21 July
Further Advice and Guidance

- **Preservation Management of Digital Materials**
- Price £15
- Order from:
  - Turpin Distribution Services Ltd
    Email turpin@turpinltd.com
- Electronic edition by Digital Preservation Coalition
  - www.dpconline.org
- Digital preservation list
  - http://www.jiscmail.ac.uk/lists/digital-preservation