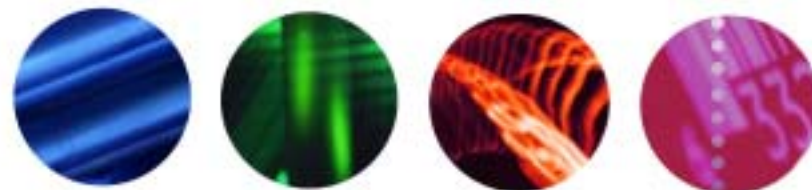


Digital Preservation, e-journals and e-prints

Chinese National Academy of Sciences
July04

Neil Beagrie, BL/JISC Partnership Manager



Supporting further and higher education

Overview

- Digital Challenges
 - JISC archiving e-journals study
 - JISC preservation of e-prints study
 - Sources of advice
 - Questions?
-

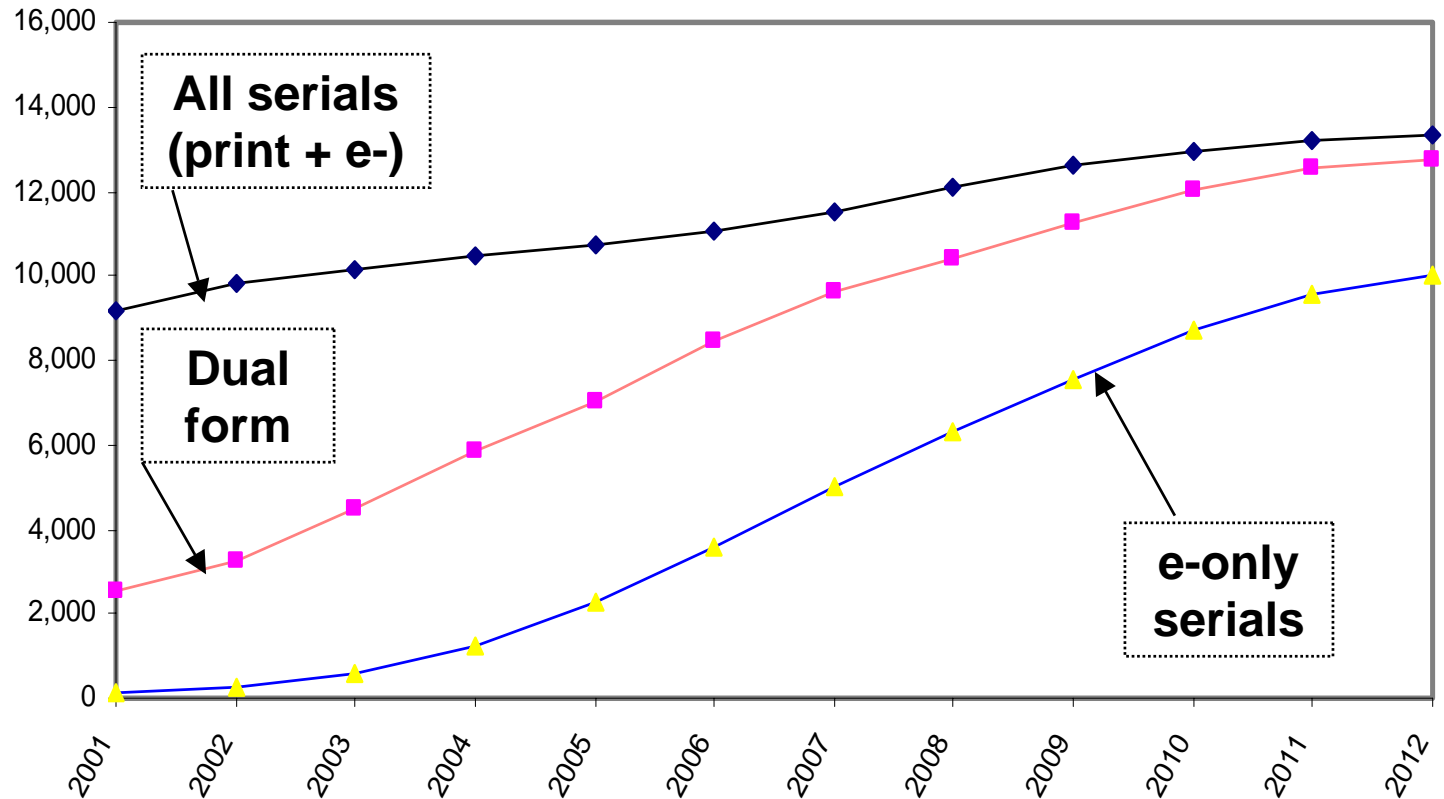


New digital challenges

- **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)



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
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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
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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"
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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
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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
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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
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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
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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)
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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
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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:
<http://www.jisc.ac.uk/uploaded_documents/e-prints_report_final.pdf>
 - JISC funding call 04/04 to implement main recommendations
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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
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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>

