Next steps in Digital Preservation

You are not alone…

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4 December 2013
Make friends
The National Archives 2

- Other resources, eg DROID/PRONOM
  - https://github.com/digital-preservation

- Parsimonious Preservation

- Our digitisation standards
  - Tailored to our situation here, your situation may differ
British Library

•  http://www.bl.uk/aboutus/stratpolprog/collectioncare/discovermore/digitapreservation/index.html

ABOUT US
Collection Care

Digital Preservation
The British Library collects and preserves an increasing amount of digital material for future users. The diversity of digital material and frequent changes in computer technology present ongoing challenges for long-term preservation and access. The Library is at the cutting edge of international research in this area and our digital preservation team works closely with colleagues across the Library to improve the longevity of our digital collections.

The Challenge of Digital Preservation
The British Library is committed to preserving digital content for the long term, safeguarding our intellectual heritage so that it can be used by future researchers. The rapid rate at which technology is evolving and the relative transience of digital content make this a significant challenge.

Our British Library’s Digital Preservation Team undertakes the R&D necessary to ensure the Library is able to implement the right technology to support digital preservation, at the right time.

A Strategy for Digital Preservation
In 2006, the digital preservation team produced a ten-year strategy to ensure perpetual access to the digital material held in our collections. The mission, goal and principles of that strategy remain broadly valid.

Our understanding of digital preservation has evolved since 2006. A new strategy has therefore been produced to bring our activities in line with the Library’s more recent 2020 vision and corporate strategic priorities for 2011 - 2015.

You can read more about our current strategy here.

What We Do
Our R&D programme combines technical development with curatorial research to deliver policies, best practice and recommendations for operational units across the Library, disseminated via the Digital Preservation Centre of Excellence.

The R&D programme is directly linked to our strategy and strategic priorities. Activities include collection profiles, risk assessments, repository audits, quality assurance, tool and file format assessments, workflows, and a preservation watch. We work closely with colleagues across the Library to ensure our activities meet our business needs and are monitored and operational activities across the Library to ensure recommendations are appropriately implemented.

Read more about our current programme of work.

National and international collaboration
What is Digital Preservation?

Digital Preservation is a set of activities required to make sure digital objects can be located, rendered, used and understood in the future. This can include managing the object names and locations, updating the storage media, documenting the context and tracking hardware and software changes to make sure objects can still be open and understood. Within the Library we are concerned with long term digital preservation where long term is 'deemed long enough to be concerned with the impacts of changing technologies, including support for new media and data formats, or with a changing user community. Long term may extend indefinitely [CCSDS, 2002].
Library of Congress

Digital Curation Centre

• [http://www.dcc.ac.uk](http://www.dcc.ac.uk)

• Digital information curation (data)

• Advice and help for UK higher education to store, manage, protect and share digital research data
Resources for digital curators

With just a few clicks, you can access any of the data curation resources collected by the DCC since we opened our doors in 2004.

Our comprehensive and easily accessible digital library is completely free to use and aims to provide you with everything you need to evaluate and implement those digital curation techniques most suited to your particular research project.

What’s more, we regularly review and update our library, adding the latest resources developed for data curators.

Select from the links below and left to access high-level digital curation briefing papers; legal watch, standards watch and technology watch papers; case studies and interviews; and instalments from our detailed Curation Reference Manual.

International Journal of Digital Curation

Our highly regarded digital journal, published twice a year, features general articles and peer reviewed papers and serves as an invaluable channel for the
Digital Preservation Training Programme


- Run by ULCC (University of London Computer Centre)

- 3 day course run several times a year, various locations

- Scholarships available to DPC members

- Good grounding, ready-made peer network
APARSEN

http://www.alliancepermanentaccess.org/index.php/aparsen/

APARSEN is a Network of Excellence that brings together an extremely diverse set of practitioner organisations and researchers in order to bring coherence, cohesion and continuity to research into barriers to the long-term accessibility and usability of digital information and data, exploiting our diversity by building a long-lived Virtual Centre of Digital Preservation Excellence.

The objective of this project may be simply stated, namely to look across the excellent work in digital preservation which is carried out in Europe and to try to bring it together under a common vision. The success of the project will be seen in the subsequent coherence and general direction of travel of research in digital preservation, with an agreed way of
Planets -> Open Planets

- [http://planets-project.eu/](http://planets-project.eu/)

Welcome to the OPF Knowledge Base Wiki

The OPF wiki is here to gather knowledge relating to key issues in digital preservation and organise these to allow practitioners, developers and information specialists to better preserve digital heritage. This wiki welcomes contributions from every member of the community and provides a hosting space for many global projects. From practitioners, we welcome your use case scenarios and problems and hope to link these with solution providers. For developers, we not only hope to join you to practitioners in the community through online and face-to-face events, but also welcome your valuable solutions with advice on software development, project hosting and distribution. Gathering together communities and key knowledge allows information managers to make effective decisions for preserving our digital heritage.

Contribute your requirements and solutions
Share your challenges and solutions with the community, and view the resulting record of digital preservation practice

Collaborate
Get involved with these collaborative digital preservation initiatives, including Q&A on Stack, the Atlas of Digital Damages and the OPF Format Corpus

Find preservation tools
Find tools for solving your digital preservation challenges in the OPF Tool Registry

Understand File Format Risks
File format risks you should be concerned about, and how to identify them in your content

Develop Software with the OPF
All you need to know about developing software with the OPF, with guidance on making your software effective, sustainable, maintainable and reusable

OPF Projects

Digital Preservation Questions and Answers
Web archives that collect request analytics of harvested sites?
Digital preservation: questions of format and volume for a digital
Digital Preservation & Curation

Digital preservation is the set of processes and activities that ensure long-term sustained storage of, access to, and interpretation of digital information. Curation is an applied form of preservation that focuses on interpretation and is often (though not exclusively) used in relation to working with scientific data sets. The ultimate objective of all digital preservation activity is the preservation of digital materials (increasingly online) available for future generations of scholars, researchers and other user groups.

Key digital preservation & curation activities

**12 Programmes**

- Managing Research Data (JISC/RE3) The scientific process is enhanced by managing and sharing research data. Good research data management practice allows reliable verification of results and permits new and innovative research build...
- Information Environment Programme (2009-11) The aim of this programme is to improve the capacity of the sector to manage, discover and use information resources. There is now a critical mass of digital information resources that can be used for...
- Records and Preservation Programme The programme is a £14m investment in Higher Education repository and digital content infrastructure. It will fund initiatives to develop the Information Environment supporting digital repositories...
- Supporting Institutional Records Management programme This programme will help institutions to implement records management programmes that will meet the requirements of the Freedom of Information Act (2000).

**B3 Projects**

- UK Theses Distribution Project: This project will deliver a fully operational, easily scalable and financially viable prototype of an UK e-theses online service that will enable users, via one single web interface, to access...
Other projects

• Spruce – Sustainable Preservation Using Community Engagement) (JISC funded)
  o http://wiki.opf-labs.org/display/SPR/Home

• Scape – Scalable Preservation Environments (EU funded)
  o http://www.scape-project.eu/
  o http://wiki.opf-labs.org/display/SP/Home

• 4c Project – Collaboration to Clarify the Costs of Curation (EU funded)
  o http://www.4cproject.eu/
Tools

- [http://coptr.digipres.org](http://coptr.digipres.org) – Community Owned Preservation Tool Register

  - Fixity – a simple tool for updating the creation and regular checking of hash values which helps you to know files have not been corrupted
  - MDQC – simple verification that metadata embedded in digital objects meets a desired profile

- [https://github.com/digital-preservation](https://github.com/digital-preservation)
  - Open source tools developed by The National Archives, will also usually be documentation and downloadable compiled version
  - Available for all to use and develop
Blogs

• [http://digital-archiving.blogspot.co.uk/](http://digital-archiving.blogspot.co.uk/)
  - Digital Archiving at the University of York

• [http://blogs.loc.gov/digitalpreservation/](http://blogs.loc.gov/digitalpreservation/)
  - The Signal – Library of Congress digital preservation blog

  - The National Archives – entries tagged “digital preservation”
Social media

- Twitter
  - [DavidUnderdown9](#)
    - [Digital Preservation list](#)
  - [WilliamKilbride](#)

- LinkedIn
  - [David Underdown](#)
  - Various digital preservation related groups
QUESTIONS??