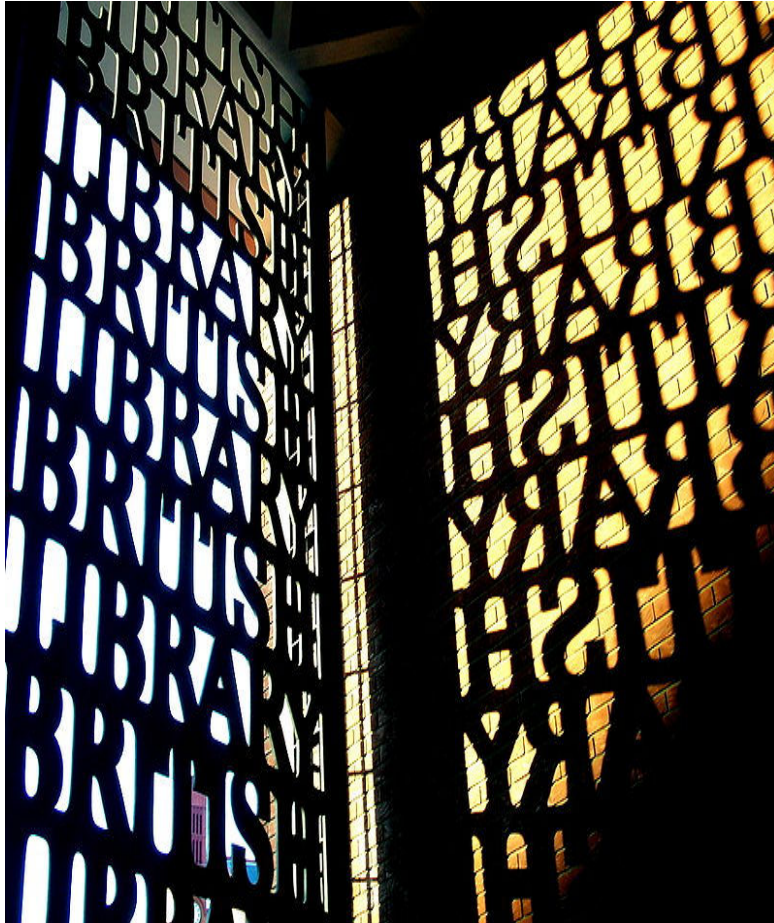


Digital Preservation at the British Library

Adam Farquhar
Head of Digital Library Technology, The British Library
President, DataCite
Director, Open Planets Foundation, DPC

London, May 2010

The British Library



- **Exists for everyone** who wants to do research – for academic, personal, and commercial purposes.
- **Covers all subject areas** – sciences, technology, medicine, arts, humanities, social sciences...
- **Receives a copy of every item** published in the UK.
- **Holds over 150 million items**, with 3 million items added each year.
- **Used by over 16,000 people each day** (on site and online).

Establishing the right legislative framework

Legal Deposit

- UK has history of legal deposit for print materials since 1662
- Legislation extended to digital material in 2003
- But secondary legislation still underway

Intellectual Property

- UK allows preservation of literary, dramatic and musical works
- Proposed secondary legislation currently being consulted on by the UKIPO is looking to
 - Eliminate explicit limits on the number of preservation copies
 - Allow format shifting
 - Apply to all types of works (ie Sound, film, broadcast, and artistic works)
- BL Copyright Manifesto (www.bl.uk/ip)

Treating data as part of the scientific record



DataCite :
Data Centres

::

CrossRef :
Publishers

DataCite is an international consortium which aims to:

- **Support researchers by providing methods for them to locate, identify, and cite research datasets with confidence**
- Increase acceptance of research data as legitimate, citable contributions to the scientific record
- Provide an essential precursor to preservation
- Align incentives for preservation

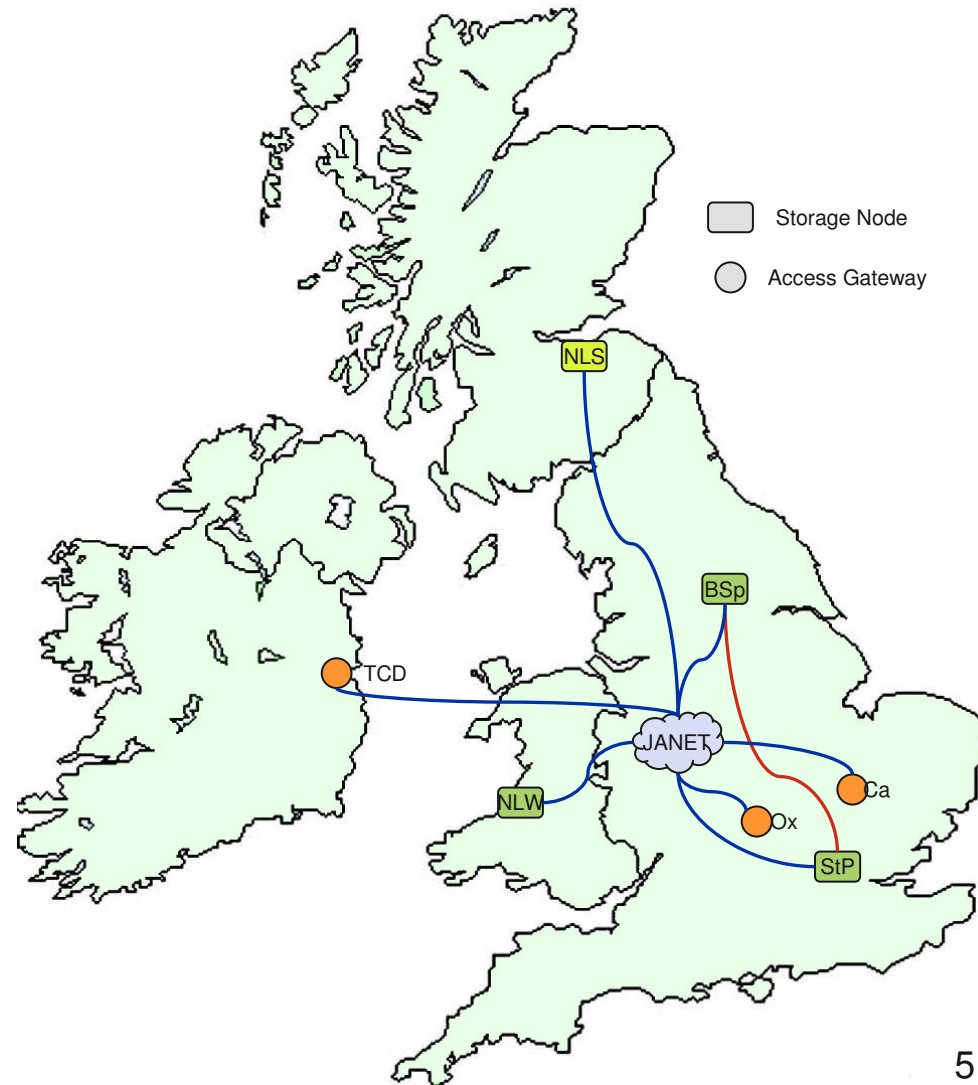
DLS: Robust bit preservation

BL Digital Library System (DLS)

- Resilient multi-peer storage
- Strong authenticity guarantee
- Scalable design
- Hardware neutral

Status (April 2010)

- >2,021,583 Signed objects
- >57.771 TB used per node
- Ingest:
0.25-0.3 TB per day
0.54 TB largest single day



Planets: Preserving content, assessing risks, making plans

Planets - EU co-funded project 2006 through 2010

- BL directed; 16 European partners

Goal: Build practical services and tools that give libraries and archives an increased ability to ensure long-term access to their digital cultural and scientific assets

- Provide an open, extensible architecture
- Control costs through increased automation, scalable infrastructure
- Encourage adoption across the user community
- Establish a market place for preservation services
- Establish a sustainable framework

Planets partners

KB

Koninklijke Bibliotheek

STATS BIBLIOTEKET

Österreichische
Nationalbibliothek



DET KONGELIGE BIBLIOTEK
NATIONALBIBLIOTEK OG KØBENHAVNS UNIVERSITETSbibliOTEK



the national archives

nationaal archief



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Confederation



rechenzentrum
universität freiburg



TECHNISCHE
UNIVERSITÄT
WIEN
VIENNA
UNIVERSITY OF
TECHNOLOGY



Planets benefits

Recognise and address threats to valuable digital content

Make informed and accountable preservation decisions based on the best available evidence

Take advantage of tools and services for preservation planning, characterisation, conversion, migration, emulation and database archiving activities

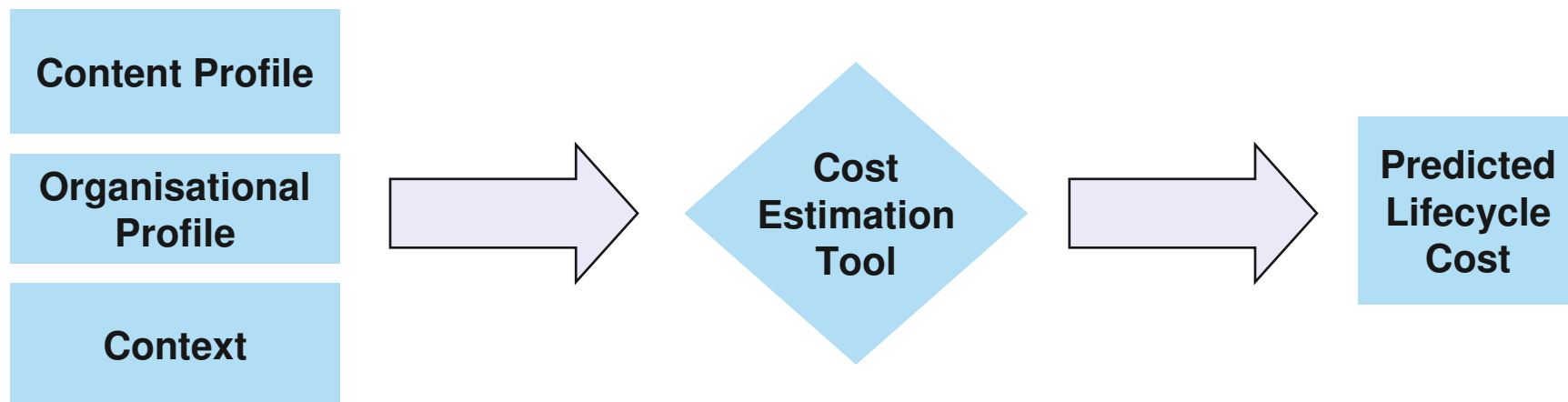
Help to create the evidence base about preservation tools and their behaviour

LIFE³: Estimating preservation costs

JISC / RIN co-funded; Partners: UCL, BL, HATII @ U Glasgow

Aim: To develop the ability to estimate preservation costs across the digital lifecycle

- A series of costing models for each stage and element of the digital lifecycle
- An easy to use costing tool
- Support to enable easy input of data
- Integration to facilitate use of the results



Sustaining preservation services and technology The Open Planets Foundation

The Open Planets Foundation (OPF)

- Not-for-profit international organisation to advance digital preservation, established in March 2010
- Builds on the Planets results, but that is just the beginning

OPF members include

- Major research and national libraries, national archives
- Technology companies, research universities

OPF enables its members to recognise and address threats to their valuable digital content

- Manages the open source framework
- Provides technology, advice, and on-line services
- Supports a growing community of experts
- Provides a forum to exchange experience and practice

Your organisation can join now!

“The use potential for project outcomes is unusually large. Exceptionally, there is strong interest not only from within Europe but from all over the World”

- EC Panel

Discussion!

More on Life

- <http://www.life.ac.uk/>

More on Planets

- Case study video Digital 19C Newspaper Preservation
 - www.youtube.com/watch?v=K6NnFcSpAh8
- On-line tutorials
 - www.planets-project.eu/training-materials

More on joining the Open Planets Foundation

- First members meeting in Berlin 19-May
- www.openplanetsfoundation.org
- info@openplanetsfoundation.org
- +44 1937 54 6822