

Frameworks for e-Content

Decoding the Digital Conference, DPC/Preservation Advisory Centre, BL, 27th July 2010

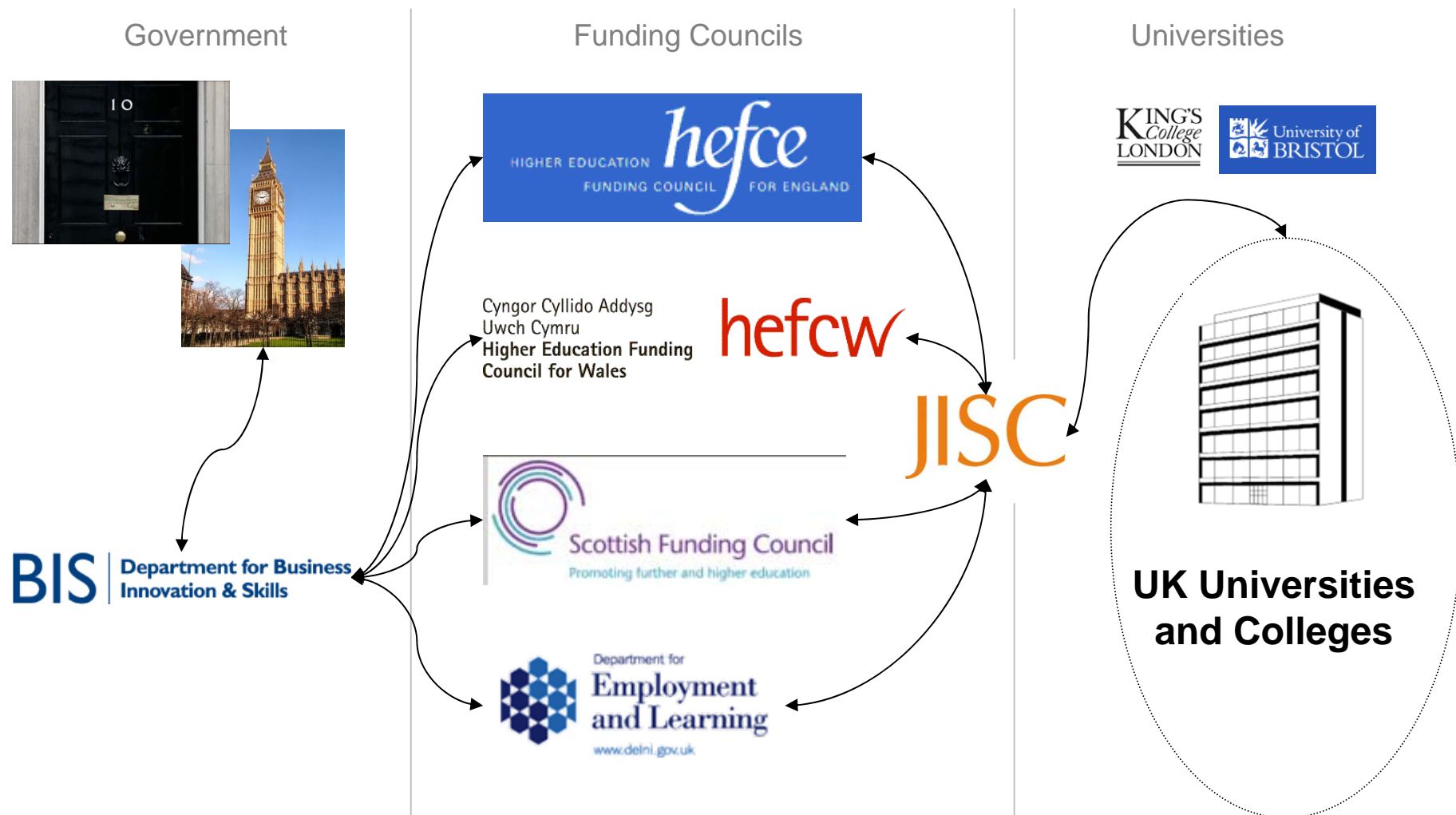


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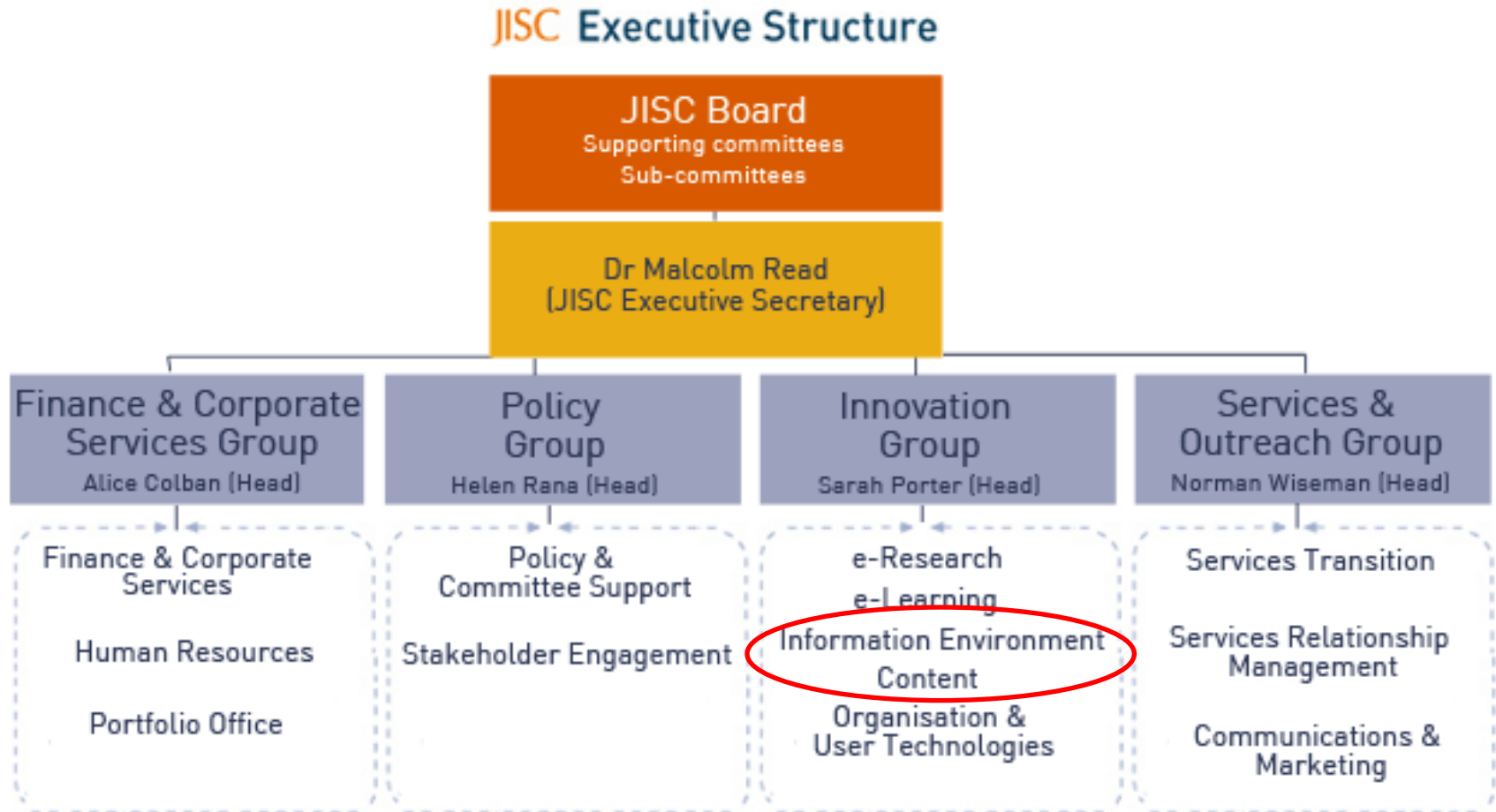
Digital Preservation &
Records Management

What is JISC and what does it do?



Universities need access
to useful, informative,
interesting and novel
content

Which bits of JISC are most relevant to managing content?



To establish a shared understanding of preserving digital collections ...

which might also be understood as:

Giving 'preservation' people a chance to swap notes with 'collections' people, because there is currently an insufficient level of mutual understanding of how people in these roles should work together?

Have we got to the point where we can actually talk about a 'preservation person'.

Do we know what these roles are yet?

Maybe we're starting to get there with emerging curricula?

What are the similarities and differences between preserving physical and digital collections?...

That's a complicated question but at a high-level, there is a shared sense of anxiety that is common to both.

There is a common framework around selection, appraisal, managing risk, designing the right workflow, etc ...

But we have the same problem now as we've always had ...

“In any case, the costs of conserving the relatively small volume of records already held by state government archives exceeds the current social expenditure for the maintenance of these archival records by a factor of ten”

ARCHIVAL METHODS by David Bearman

Archives and Museum Informatics Technical Report #9 (Pittsburgh, Archives and Museum Informatics, 1989) http://www.archimuse.com/publishing/archival_methods/index.html

Does use and access shape approaches to preservation or does technology shape approaches to preservation?...

Looks like the old debate of social versus technological determinism

There are some things that are best left to the theorists! ...

Harold Innis's Communication Theories – Time and space

http://en.wikipedia.org/wiki/Harold_Innis's_communications_theories

The significant properties of digital objects

‘The underlying abstract form’

M Hedstrom, CA Lee - Proceedings of the DLM-Forum, 2002 - ils.unc.edu

http://ils.unc.edu/callee/sigprops_dlm2002.pdf

There is an intellectual framework around managing and preserving digital content.

Emotional Framework Intellectual Framework

Emotional Framework

Intellectual Framework

Policy Framework

Social and Legal Framework

Temporal Framework

Technical Framework

Strategic Framework

Policy Framework

What sort of procedures and processes do we need?

What do we need to keep?

What type of information is aligned with the stakeholder's requirements?

What does our institutional remit allow us, or enable us to collect?

WHAT?

Beagrie, et al., Digital Preservation Policies, Digital Preservation Policies Study, October 2008,

http://www.jisc.ac.uk/media/documents/programmes/preservation/jiscpolicy_p1finalreport.pdf

Open DOAR, Directory of Open Access Repositories, recorded preservation policies worldwide, <http://www.opendoar.org>

ROARMAP, Registry of Open Access Repository Material Archiving Policies, <http://www.eprints.org/openaccess/policysignup/>

Digital Curation Centre, Virtual Goody Bag, Policies for Digital Curation, Data Management planning, funders expectation for data management planning, <http://www.jisc.ac.uk/events/2010/04/jisc10/virtualgoodybag/dcc.aspx>

Social and Legal Framework

Who needs the information?

Who owns it?

Where is it?

Who do we need to collaborate with?

Where can we make it available?

WHO? and WHERE?

Meeting the Needs of Tomorrow's Researchers, JISC 10 Conference Session,
<http://www.jisc.ac.uk/events/2010/04/jisc10/programme/researchersneeds.aspx>

JISC IPR Toolkit, Overview, Key Issues and Toolkit Elements,
<http://www.jisc.ac.uk/media/documents/publications/scaiprtoolkitoverview.pdf>

UK Institutional Repository Search, <http://irs.mimas.ac.uk/demonstrator/>

Blue Ribbon Task Force on Sustainable Digital Preservation and Access,
<http://brtf.sdsc.edu/>

International Copyright Law Study,
<http://www.jisc.ac.uk/whatwedo/programmes/preservation/copyrightlaw.aspx>

Temporal Framework

When can the information be made available?

When will information be most useful?

How long should information be kept?

When will it be vulnerable to loss?

WHEN?

Open access to research outputs: embargo periods and knowledge as an international public good, (Sept 2008), Final Report to RCUK

<http://www.jisc.ac.uk/whatwedo/topics/opentechnologies/openaccess/reports/rcuk.aspx>

Web Archiving: a feasibility study for JISC and the Wellcome Trust,

<http://www.jisc.ac.uk/whatwedo/programmes/preservation/webarchiving.aspx>

JISC InfoNet Records Management InfoKit,

<http://www.jiscinfonet.ac.uk/infokits/records-management>

DCC Lifecycle Model, <http://www.dcc.ac.uk/resources/curation-lifecycle-model>

Digital Preservation Briefing Paper, November 2006

http://www.jisc.ac.uk/publications/briefingpapers/2006/pub_digipreservationbp.aspx

Technical Framework

How should information be managed and preserved?

How can we engage with the tools and methods that are available?

How do we identify, validate, migrate, check and verify information?

How do we emulate legacy and complex environments?

How do we keep up with emerging technology?

HOW?

Digital Curation Manual, <http://www.dcc.ac.uk/resources/curation-reference-manual>

A Guide to Web Preservation, <http://jiscpowr.jiscinvolve.org/wp/>

Beginner's Guide to Preservation, <http://blogs.ukoln.ac.uk/jisc-bgdp/>

Preserv and KeepIT projects, <http://blogs.ecs.soton.ac.uk/keepit/>

Keeping Emulation Environments Portable, <http://www.keep-project.eu/ezpub2/index.php>, (EC funded Project)

Technology and Standards Watch,

<http://www.jisc.ac.uk/whatwedo/services/techwatch.aspx>

DCC observatory/horizon scanning role, <http://www.dcc.ac.uk/>

Strategic Framework

Why are we doing this?

What are we trying to achieve?

What benefits accrue to the people we care about?

Why are we interested in certain types of information and not others?

WHY?

JISC Impact Calculator, http://www.jiscinfonet.ac.uk/records-management/measuring-impact/impact-calculator/index_html

Assessing Institutional Digital Assets (AIDA),
<http://www.jisc.ac.uk/whatwedo/programmes/preservation/aida.aspx>

DRAMBORA, <http://www.repositoryaudit.eu/>

Data Assets Framework, <http://www.dcc.ac.uk/resources/tools-and-applications/data-asset-framework>

Greening Information Management Assessment Framework,
<http://www.greeningim.org.uk/>

Framework	Interrogative
Policy	What?
Social & Legal	Who & Where?
Temporal	When?
Technical	How?
Strategic	Why?

A basic framework for managing and preserving digital content ...

With the first and most important question to establish being the WHY?

Do you or your organisation *really* need to take responsibility for long-term preservation of your content ...?

Digitisation Programme Digital Preservation Study (2009)



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DPC Members



Digitisation Programme Digital Preservation Study

In 2009, DPC with University of London Computer Centre and Portico carried out an extensive analysis for the JISC Digitisation Programme, examining the projects funded through this programme and assessing their plans for access beyond the existence of their project grants. A scaled down version of the report with analysis is published here and a number of case studies have also been produced.

Based on this assessment, the DPC ULCC and Portico made the following recommendations to JISC and JISC projects which are likely to be of immediate relevance to other funding agents. The recommendations fall into two groups. They are stated here, and explained in more detail in section 4 of the report



<http://www.dpconline.org/advocacy/digitisation-programme-digital-preservation-study.html>

Digitisation Programme Digital Preservation Study (2009)

DPC Preservation Planning
<u>Who</u> : Identify the key players involved with long-term preservation of the targeted content.
<u>What</u> : Describe or characterize the collection and content.
<u>Where</u> : Document the locations of all the copies of the content and metadata.
<u>When</u> : Document the targeted preservation timeframe and impact of loss.
<u>How</u> : Document how the key content management and preservation tasks will occur.

Focused on the JISC Digitisation Phase II Programme (2007-2009)

<http://www.jisc.ac.uk/whatwedo/programmes/digitisation/projects.aspx>

<http://www.dpconline.org/advocacy/digitisation-programme-digital-preservation-study.html>



19th Century Pamphlets Online

Polemical voices from the past on the great debates of the 19th century



A Digital Library of Core e-Resources on Ireland

Visit a one stop shop for Irish studies e-resources



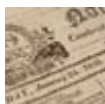
Archival Sound Recordings 2

A critical mass of rich audio material from all over the world, at your fingertips



British Cartoon Archive Digitisation (BCAD) project

Browse the largest online archive of cartoons in the UK



British Newspapers 1620-1900

Read the first three centuries of newspapers from all regions of the British Isles



Cabinet Papers, 1915-1977

In its own words: the British government at peace and war



Digitisation of the Independent Radio News Archive

From Callaghan to Thatcher, a contemporary audio archive from the only UK radio news archive outside the BBC



East London Theatre Archive

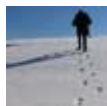
Putting the spotlight on East End music hall heritage

JISC Digitisation Phase II Projects (2007-2009)



First World War Poetry Digital Archive

Preserving and sharing memories of the Great War through the words of its poets



Freeze Frame – Historic Polar Images 1845-1960

Making historic Polar exploration resources accessible to all



Historic Boundaries of Britain

Mapping the past: a digital library of Britain's borders



InView: Moving Images in the Public Sphere

Watch the key social, political and economic issues of our time unfold



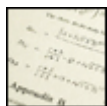
John Johnson Collection: an Archive of Printed Ephemera

Discover hidden treasures of everyday life from the 16th century to the 20th



Pre-Raphaelite Resource Site

Trace a movement that changed the face of English art



UK Theses Digitisation project

Opening access to over 5,000 of the most popular British research theses



Welsh Journals Online

Free online access to the best Welsh periodicals – past, present and future

Recommendations

For institutions and projects:

1. Write and Implement a Preservation Policy for Each Digital Collection
2. Define Collection and Content Management Procedures
3. Preserve Content in a Suitable Digital Preservation Infrastructure
4. Identify How the Collection will be Sustained Over Time
5. Recognize that accepting funding for digitisation implies an institutional commitment which outlives the period of funding.
6. Be clear about retention periods for different types of created digital content

For funders:

1. Consider designating or establishing preservation services for content and use appropriate methods to confirm that conditions are being met
2. Articulate more clearly and enforce requirements for the retention of content
3. Make the long-term duty on institutions clearer

Digital Preservation Case Notes

<http://www.dpconline.org/advice/case-notes/index.html>

Digital Preservation Case Notes

June 2010

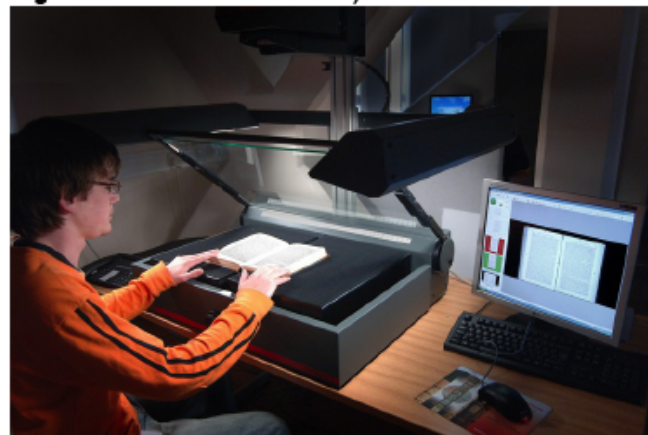
Welsh Journals Online

The National Library of Wales | Llyfrgell Genedlaethol Cymru

This is one of four case studies created to illustrate digital preservation practices within digitization projects, sharing honestly the challenges of establishing digital continuity from a project of limited lifespan. It is selected from 16 projects which were funded by the JISC Digitisation Programme between 2004 and 2009. This Programme has provided digital access to collections of international significance that would otherwise be inaccessible. In doing so it has also generated an opportunity to learn about the critical success factors in digitisation, such as ensuring long term access from short term projects. Each case study is based on an interview carried out on behalf of the JISC by the Digitisation Preservation Project.

Introduction

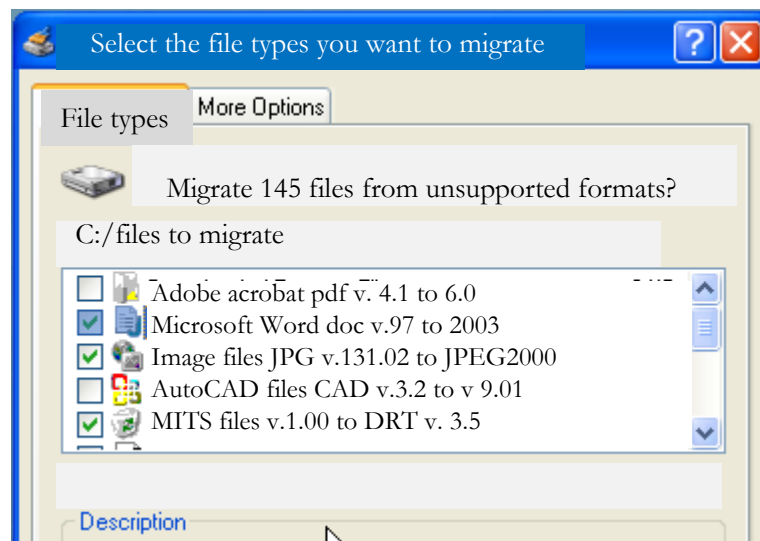
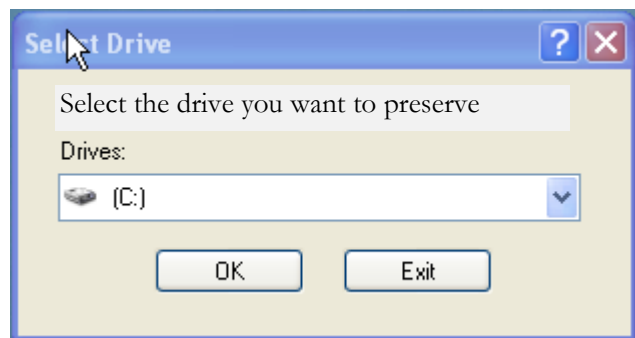
Digitisation technician at work, NLW



management skills as well as knowledge of data standards, system development requirements



It may be confusing right now ... but what an opportunity!!



Preservation provided as part of the operating system toolset ...?

An embedded characterisation & validation service

Easy default options

The current response would be around questions of trust

Thanks!

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JISC Digital Preservation and Records Management Programme

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