

JISC

# Capital Programme Circular 01/07 Briefing Day

Wednesday 9<sup>th</sup> May 2007



## Circular 01/07: JISC Capital Programme

# Appendix F Repositories and Preservation Overview

Rachel Bruce, Programme Director

## Repositories and Preservation programme

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- Part of the JISC Information Environment – curation and discovery of resources with interoperability and national services.
- Digital repository and preservation projects and search infrastructure also shared infrastructure services (referred to m2m or shared services)
- £14M from April 2006 – March 2009
- Calls for projects – April 2006, September 2006, April 2007
- As well as some direct commissioning and invitation to tenders

*To establish a network of digital resources and services, in order to significantly improve content use and curation for education and research.*

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**Digital Repositories:** develop repositories for universities and colleges.

**Digital Preservation:** distributed environment for digital preservation, in which services, roles and responsibilities are scoped and defined.

**Discovery to Delivery:** searching across UK repositories and the agreement of standards for searching and semantic interoperability.

**Tools and Innovation:** develop and pilot innovative approaches to repository use and digital preservation through the development of new software and tools.

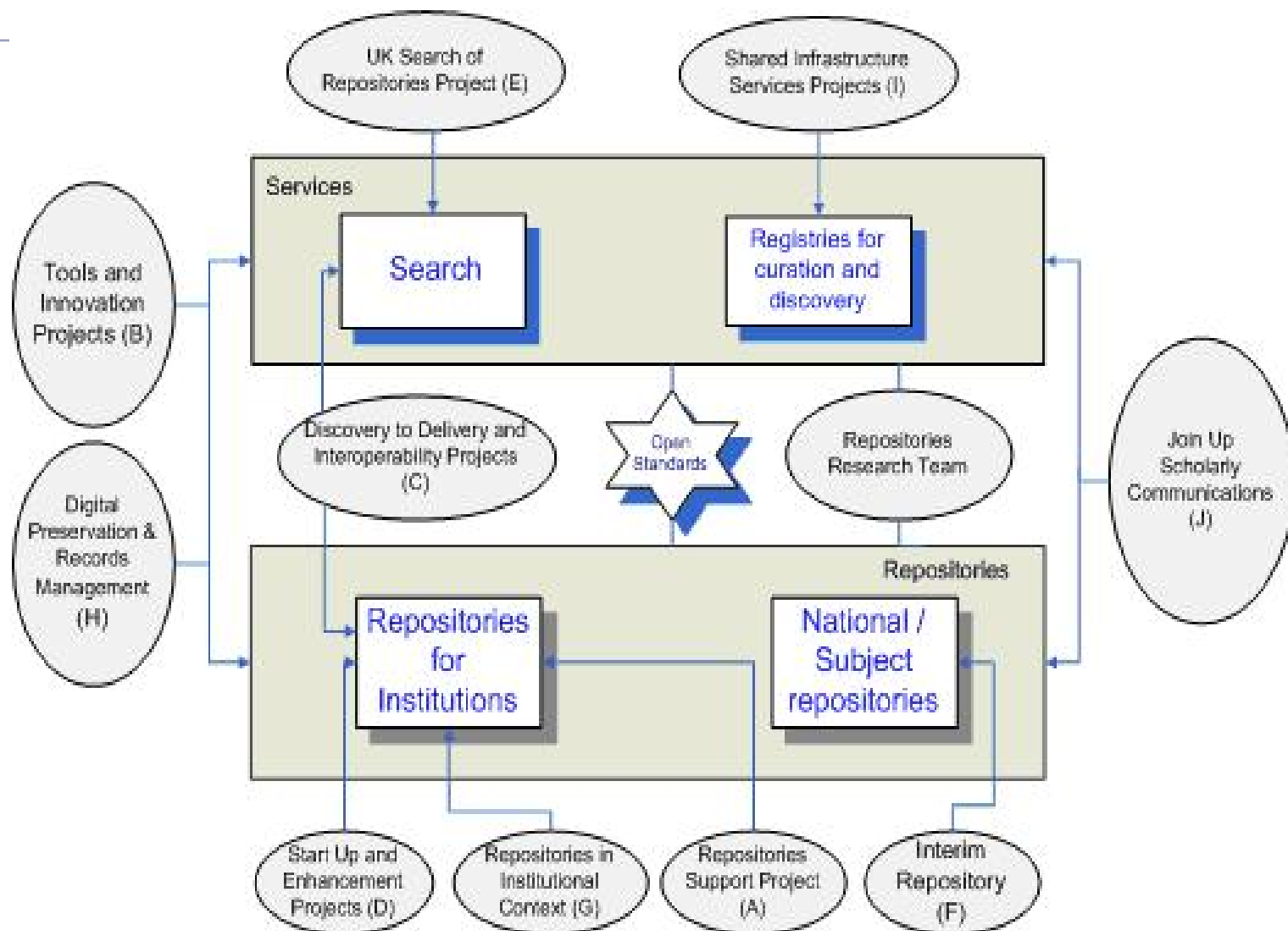
**Shared Infrastructure:** services such as user profiling services, digital rights management, registries, identifier services, terminology and preservation services.

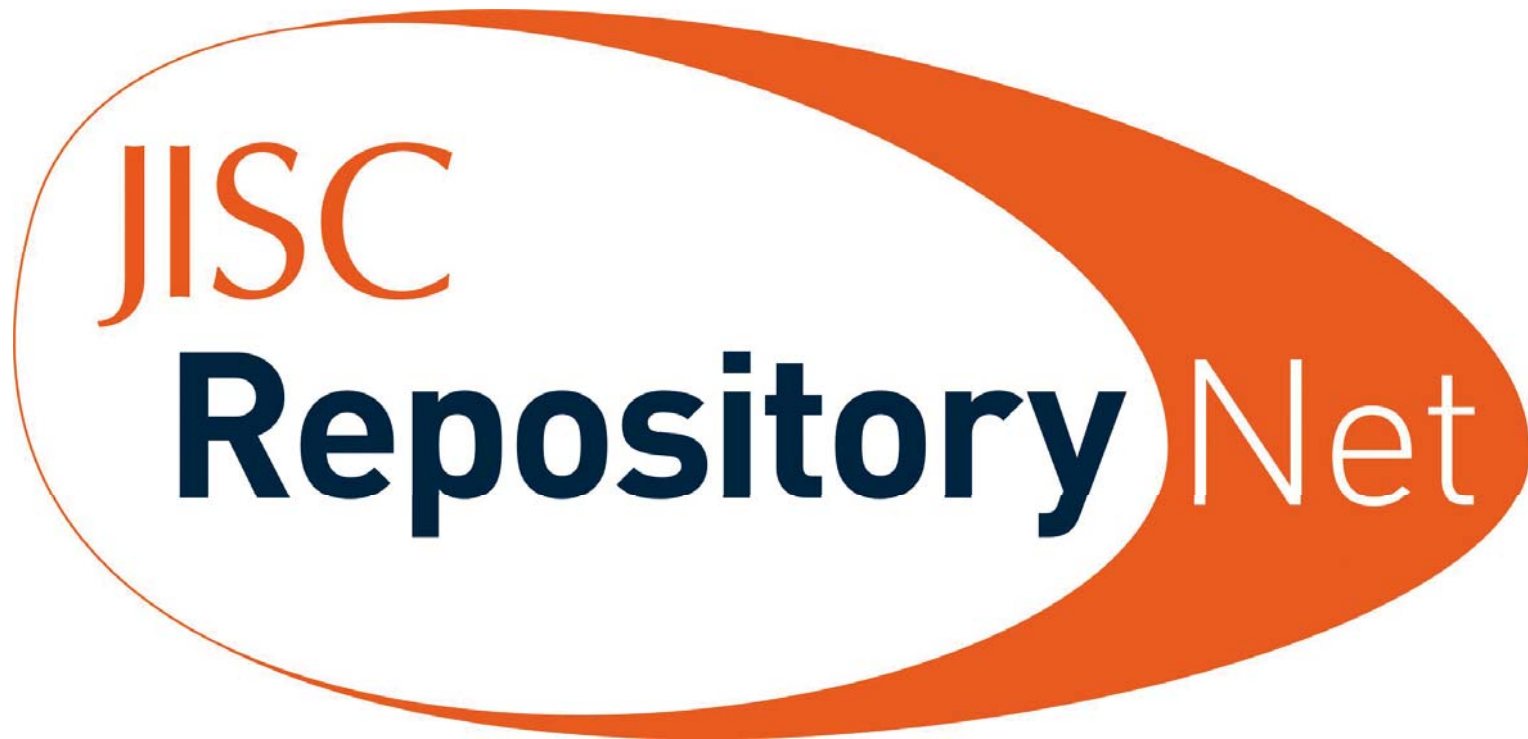
- Better access to and management of intellectual outputs
- Increased capability within the sector to manage these assets for education and research
- Infrastructure that will support the sector into the future
- Global interoperability

*JISC Strategy : building a layer of scholarly resources*

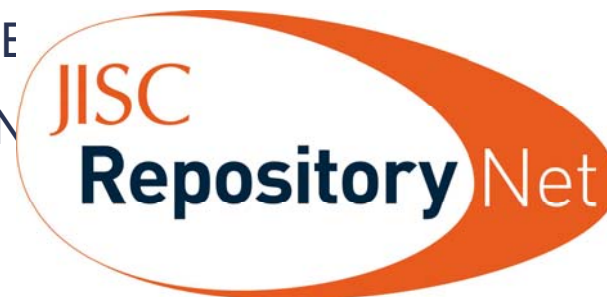
- For institutions better management, use and exploitation of assets for learning and research. Dissemination, sharing, collaboration etc.

- I ) Interoperability Demonstrators (Discovery to Delivery, Strand C)
- II ) Repository Start-up and Enhancement Projects (Strand D)
- III) Digital Preservation and Records Management (Strand H)
  
- £1,650,000 across the calls I,II and III.
- Bids in by noon on 21 June 2007.





- Lots of JISC funded work prior to these programmes.
- Repositories Research Team  
UKOLN/CETIS
- Repository Support Project ( Strand A)– a consortium to help all English and Welsh institutions in repository work and implementation, SHERPA, University of Nottingham
- Intute Repositories Search Project (Strand E
- The Depot (Strand F) EDINA/University of N



***Strand B – Tools and Innovation 15 projects funded via April and Sept 06 calls, examples :***

- Complex Archive Ingest for Repository Objects (CAIRO), University of Oxford
- Contextualised Learning Activity Repository Tools (CLARET), University of Southampton
- Data Exchange Tools and Conversion Utilities (DExT), University of Essex
- LIFE 2  
UCL Library Services
- Sharing Objects Under Repository Control with Everyone (SOURCE)  
Birkbeck - University of London
- Repository Interface for overlay journals across archives (RIOJA), UCL
- Preserving and accessing research software outputs, University of York
- FeedForward, University of Bolton

***Strand C – Discovery to Delivery 13 Projects funded April, Sept 06 and directly commissioned, examples:***

- e-Bank Phase 3, UKOLN
- Defining Image Access, University of Oxford
- Rich Tags, Supporting Better Exploration of Digital Repositories with Semantic Social Tagging University of Southampton
- Version Identification Framework, LSE
- Scholarly Works Application Profile (SWAP), UKOLN, Eduserv

***Strand D, Start –up and Enhancement Projects – 27 funded via September 06 call.***

## Current Repository and Preservation Projects (4)

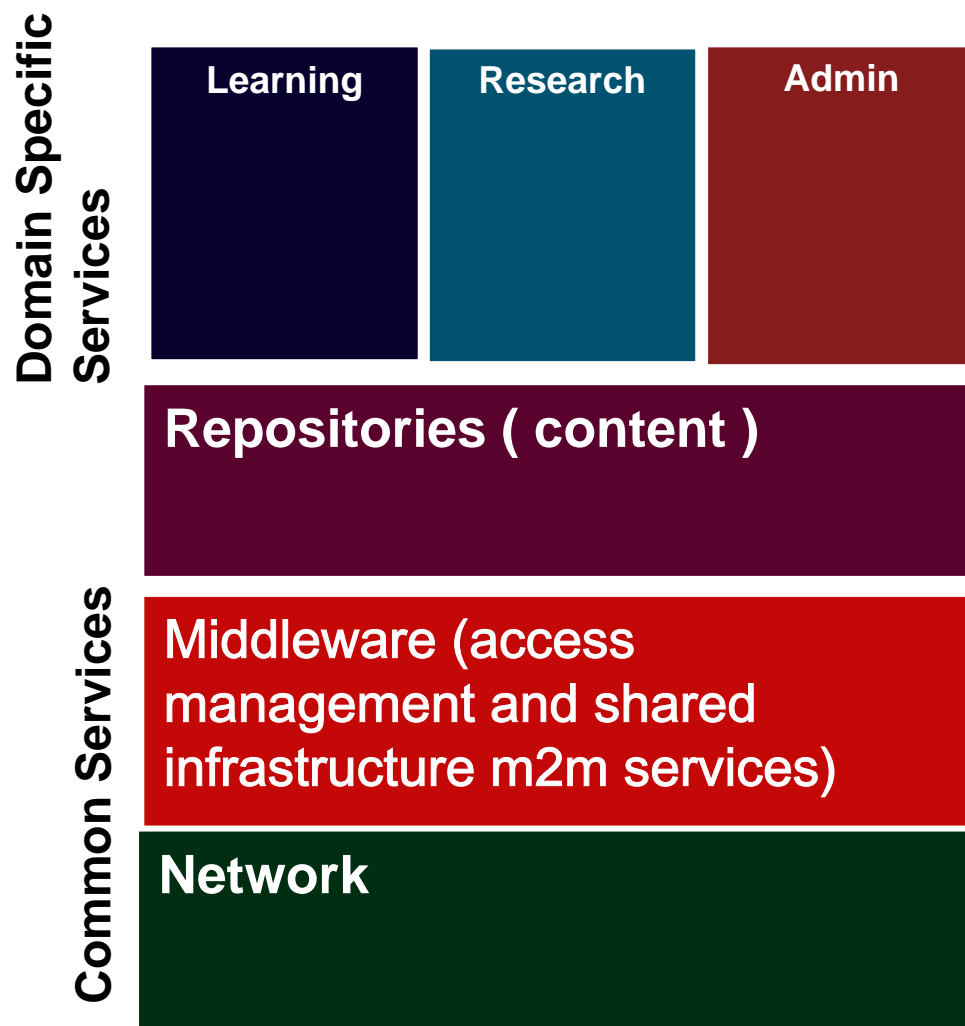
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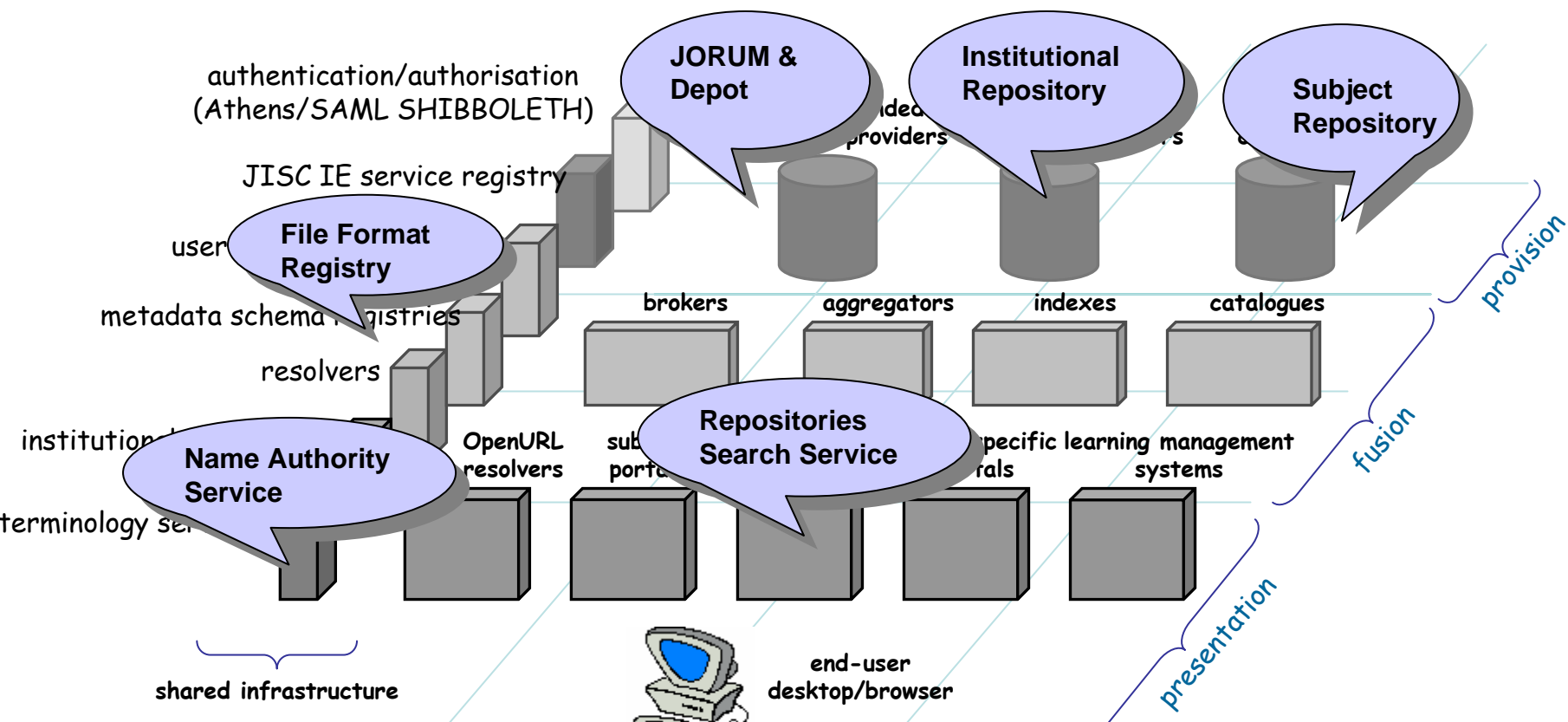
***Strand H, Digital Preservation and Records Management, 4 projects funded via the Sept 06 call but many in tools and innovation also have relevance to this area so 8 total relevant to digital preservation.***

- Preserv2, University of Southampton
- SherpaDP2 , AHDS
- REMAP, University of Hull
- SOAPI ( Service Orientated Architecture for preservation and ingest of digital objects ), AHDS

**Strand I, Shared Infrastructure Services, 7 projects directly commissioned or via September 06 call; examples:**

- Information Environment Service Registry ( IESR ) , MIMAS
- Licence Registry, University of Loughborough





**The Information Environment and Repositories and Preservation**  
*Original Architecture by Andy Powell, UKOLN, 2003*

Describe collections & services  
Using the IESR schema

OAI PMH repository  
Dublin Core – OAI-PMH-DC XML/  
UK LOM CORE- Dig Repos. Spec.

authentication/authorisation  
(Athens/SAML)  
JISC IE service registry

user preferences services

metadata schema registries

resolvers

institutional preferences  
services

terminology services

shared infrastructure

JISC-funded  
content providers

institutional  
content providers

external  
content providers

brokers

aggregators

OpenURL  
resolvers

subject  
portals

institutional  
portals

media-specific learning management  
systems

end-user  
desktop/browser

IMS content packaging,  
or METS

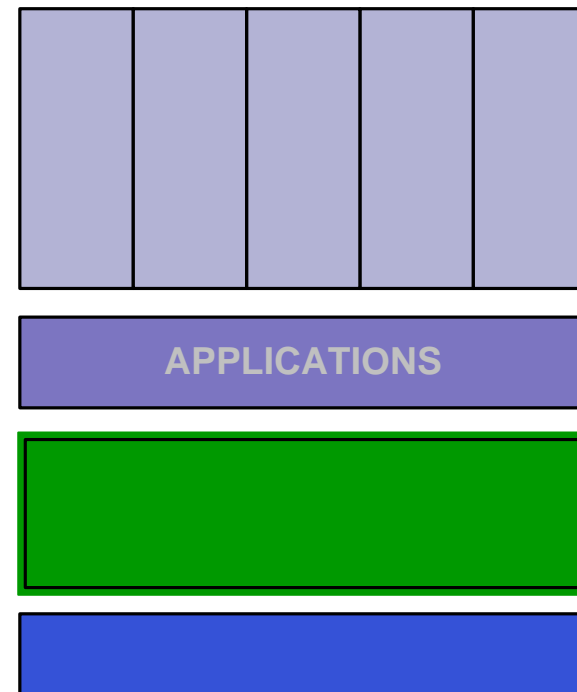
Harvest using OAI PMH  
version 2.0

Assign persistent URI's

- Open standards based interfaces
- For interoperability
- In a service oriented environment

■ The e-Framework analyses and documents *SERVICE INTERFACES*

■ *Projects can DEVELOP USE CASES, SERVICE USE MODELS, SERVICE INTERFACE DEFINITIONS and TOOLKITS*



- Call for proposals: [http://www.jisc.ac.uk/fundingopportunities/funding\\_calls/2007/04/circular0107.aspx](http://www.jisc.ac.uk/fundingopportunities/funding_calls/2007/04/circular0107.aspx)
- Appendix F –Repositories and Preservation calls
- Briefing paper for Repositories and Preservation updated since Sept 2006
- Digital Repositories Roadmap: Looking Forward (R, Heery and A, Powell) with a vision for 2010 and cultural and technical milestones and dependencies identified
- Circular Roadmap
- Briefing day FAQ and presentations:[http://www.jisc.ac.uk/events/2007/05/event\\_capital\\_apr07briefing.aspx](http://www.jisc.ac.uk/events/2007/05/event_capital_apr07briefing.aspx)
  
- JORUM contributor information : [http://www.jisc.ac.uk/fundingopportunities/proj\\_jorumbgbackground.aspx](http://www.jisc.ac.uk/fundingopportunities/proj_jorumbgbackground.aspx)
- Shared Infrastructure Services Review ( A, Chapman and R, Russell )
- Terminology Services and Technology Review (R, Heery, T, Koch, D, Tudhope)
- Repositories and Preservation page:[http://www.jisc.ac.uk/whatwedo/programmes/programme\\_rep\\_pres.aspx](http://www.jisc.ac.uk/whatwedo/programmes/programme_rep_pres.aspx)
- On-going but previous related programmes:  
[http://www.jisc.ac.uk/whatwedo/programmes/programme\\_digital\\_repositories.aspx](http://www.jisc.ac.uk/whatwedo/programmes/programme_digital_repositories.aspx)
- [http://www.jisc.ac.uk/whatwedo/programmes/programme\\_preservation/programme\\_404.aspx](http://www.jisc.ac.uk/whatwedo/programmes/programme_preservation/programme_404.aspx)

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demonstrators/D2D )

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submission process )

- **Dealing with the Digital Deluge**, 5 -6 June 2007, University of Manchester
- [http://www.jisc.ac.uk/events/2007/06/repositories\\_conference.aspx](http://www.jisc.ac.uk/events/2007/06/repositories_conference.aspx)
- Professor James Drummond Bone Vice Chancellor of the University of Liverpool and President of Universities UK, will give a conference keynote speech

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