

Introduction to the UK's Digital Curation Centre

20th International CODATA Conference
Scientific Data and Knowledge

Beijing, China

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Library at Hadrian's Villa at Tivoli

Presentation Acknowledgements: To my colleagues in the Digital Curation Centre and especially Dr David Giaretta and Chris Rusbridge

- **HATII**

<http://www.hatii.arts.gla.ac.uk>

- **Digital Curation Centre (DCC)**

<http://www.dcc.ac.uk>

- **DELOS**

<http://www.delos.info>

<http://www.dpc.delos.info>

- **PLANETS**

<http://www.planets-project.eu/>

- **CASPAR**

<http://www.casparpreserves.eu/>

- **DPE**

<http://www.digitalpreservation.europe.eu>

- **AHDS Performing Arts**

<http://www.ahds.ac.uk/performingarts/index.htm>



George Service House, Humanities
Advanced Technology and Information
Institute (HATII)



D | C | C

a centre of expertise in data curation and preservation

UK Digital Curation Centre – Funded by....

JISC



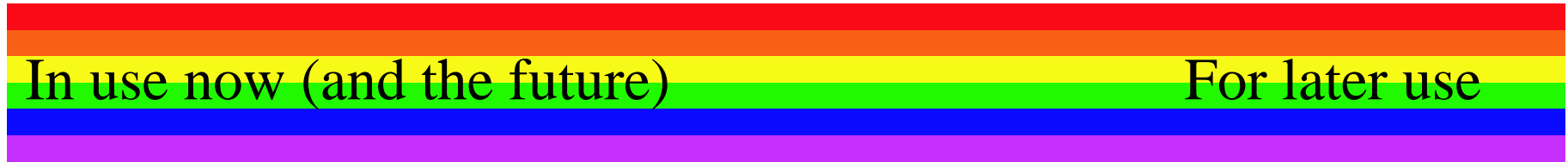
Mission of the Digital Curation Centre (DCC)

“The over-riding purpose of the DCC is to support and promote continuing improvement in the quality of data curation, and of associated digital preservation”

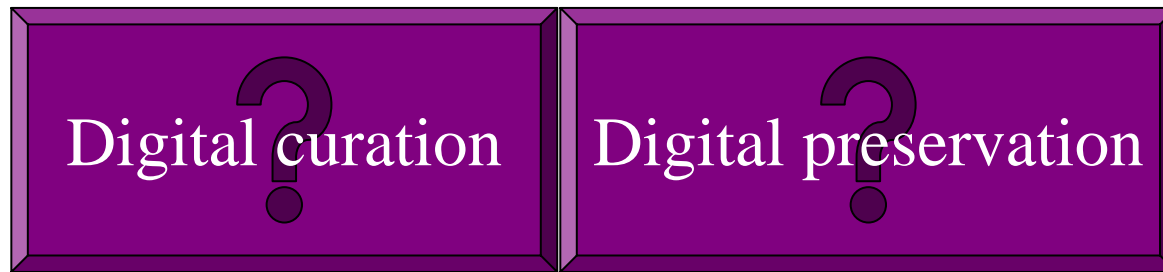
Note the emphasis on ‘DATA’



Digital curation?



Dynamic
Long-term



Static



Digital curation

In use now (and the future)

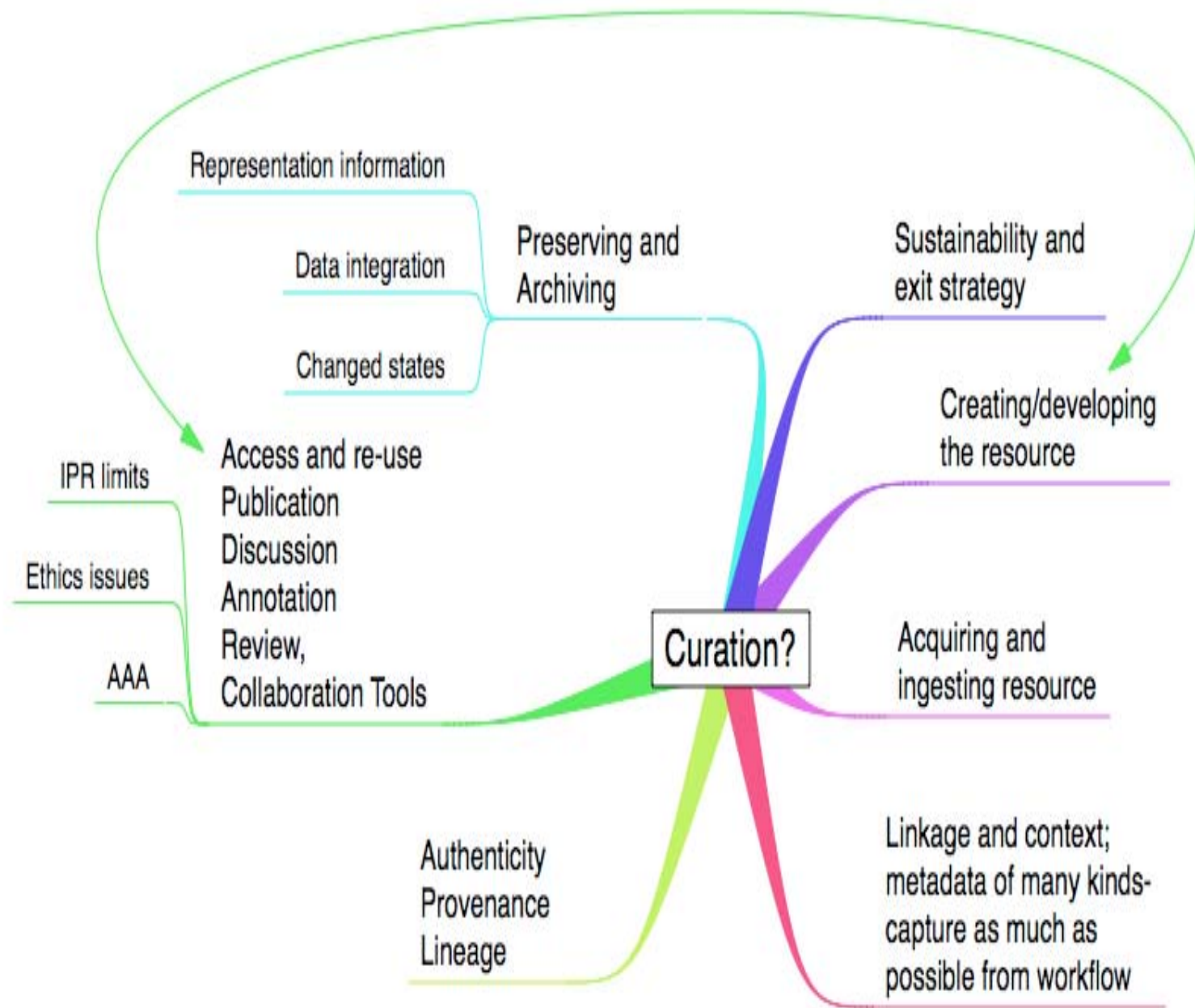
For later use

Dynamic
Long-term

Static

Digital curation & preservation

“maintaining and adding value to a trusted body of digital information for current and future use”

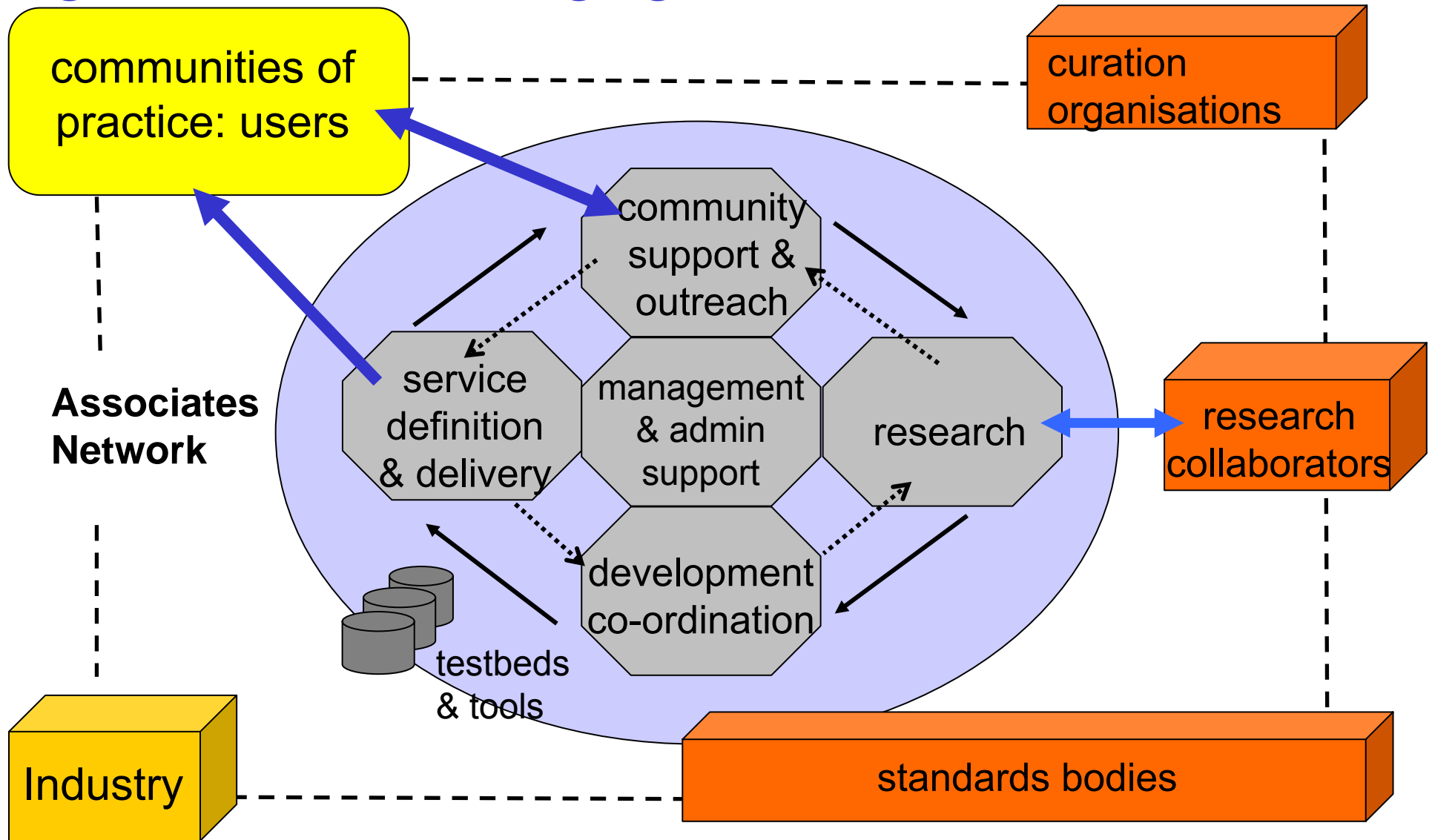




DCC Objectives

- Vibrant research programme
 - addressing the wider issues of digital curation
- Collaborative Associates Network of Data Organisations
 - strong links across existing community of practice
 - engagement with curators (individuals & organisations)
- Development & services
 - to evaluate tools, methods, standards and policies
 - a repository of tools and technical information
- ‘virtuous circle’
 - expertise, experience & requirement feed into the DCC research programme

Organisation to Engage & Collaborate





Outreach Objectives

- **Publicity, promotion and dissemination**
 - Raise awareness, promote and disseminate DCC activities.
- **Web portal**
 - Provide support for the community/individuals and provide access to services and resources
- **Training and professional development**
 - Increase the skills and knowledge base of practitioners within different communities of practice.
- **User Requirements Analysis**
 - Gather information about the user / stakeholder community.



D | C | C

a centre of expertise in data curation and preservation

2nd DCC International Conference

- Location – Glasgow, Scotland
- 20-22 November 200
- Presenting cutting-edge Research in Digital Preservation



Reception at the Roman Baths

Services Objectives

- Dissemination of Research & Development
 - Transform and make viable
- Standards, tools, testbeds, and repositories
 - Ensure access to standards, tools and repositories of Representation Information
- Advisory Services: Help desk, Curation Manual
 - Provide guidance on curation and preservation
- **Audit and Certification**
 - Deliver Audit and Certification Services to the UK Community

Audit and Certification (1)

- OCLC/RLG *Trusted Digital Repositories: Attributes and Responsibilities*
 - high level model for design, delivery and maintenance of digital repositories
- RLG and NARA aiming towards certification requirements
- DCC is participating with representation on the working group
- Aiming for International consensus



Audit and Certification (2)

- Commitment to
 - offer guidance on self-audit and self-certification
 - carry out independent audits
 - issue certificates to qualifying repositories



Development Objectives

Registry/Repository development

- Define and create registry and repository for metadata
- Representation Information development
 - Development of recommendations for tools and methods for generating Representation Information
- Testing and Certification processes
 - Create basis for DCC testing and certification work, including running testbeds



DCC Research Agenda

- The DCC research team
 - Led by Professor Peter Buneman (School of Informatics, University of Edinburgh)
 - Distributed throughout all four DCC partner organisations
 - Strong links with other DCC components, through multi-team working, etc.
- Links with other research groups
 - Visitors programme

DCC Research Achievements

- Bath: repository interactions
- CCLRC: metadata curation
- Edinburgh Database Group: Annotation, archiving, citation, lineage, provenance, publishing
- Glasgow: metadata extraction and genre classification and Audit and Certification methodologies

Why these research topics?

- they involve fundamental problems
- they will generate highly visible research
- most have components that can be almost immediately carried into development and testing
- of interest to partners and to associates and clients.

Associates Network

Goals

Develop understanding, share best practice, advance research, promote recognition, develop consensus

Membership

International groups, national bodies, industry partners, funders, research groups, HEIs, FEIs, individuals.....

Benefits

Early access to R&D outputs, advisory services, training, input to definition and design, community participation

Discussion Forum www.dcc.ac.uk

Please join us!



Digital Curation Centre

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About the DCC

Training & Events

Resource Centre

Tools & Standards

Research & Development

Associates Network

Discussion Forum

Adding Information

Helpdesk

FAQs

International Journal of Digital Curation

Welcome

[Smaller Text](#) | [Larger Text](#)

Welcome to the **Digital Curation Centre**. Scientists and researchers across the UK generate increasingly vast amounts of digital data, with further investment in digitisation and purchase of digital content and information. The scientific record and the documentary heritage created in digital form are at risk, by technology obsolescence and by the fragility of digital media.

Working with other practitioners, the **Digital Curation Centre** will support UK institutions to store, manage and preserve these data to ensure their enhancement and their continuing long-term use. The purpose of our Centre is to provide a national focus for research into curation issues and to promote expertise and good practice, both national and international, for the management of all research outputs in digital format.

News

Key: DCC news External news

Collection and Preservation of At-Risk Digital Geospatial Data

Steve Morris of North Carolina State University (NCSU) Libraries presented this North Carolina NDIIPP Project - conducted with the U.S. Library of Congress in conjunction with the fairly new National Digital Information Infrastructure and Preservation Program (NDIIPP) - at the joint Digital Curation Centre (DCC)/Database Seminar held on 31 May 2005 at the University of Edinburgh. (09/06/05)

[View or download PowerPoint slides \(3.5MB\)](#)

Calendar

Keep up to date with Digital Curation events using the DCC calendar. You can also [add an Event to the calendar](#).

| June 2005 | | | | | | |
|-----------|----|----|----|----|----|----|
| S | M | T | W | T | F | S |
| | | | 1 | 2 | 3 | 4 |
| 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| 26 | 27 | 28 | 29 | 30 | | |

[View weekly calendar](#)

- [View complete list of DCC events](#)
- [View complete list of external events](#)
- [Take the Digital Curation Questionnaire](#)

www.dcc.ac.uk