

Research Information Management

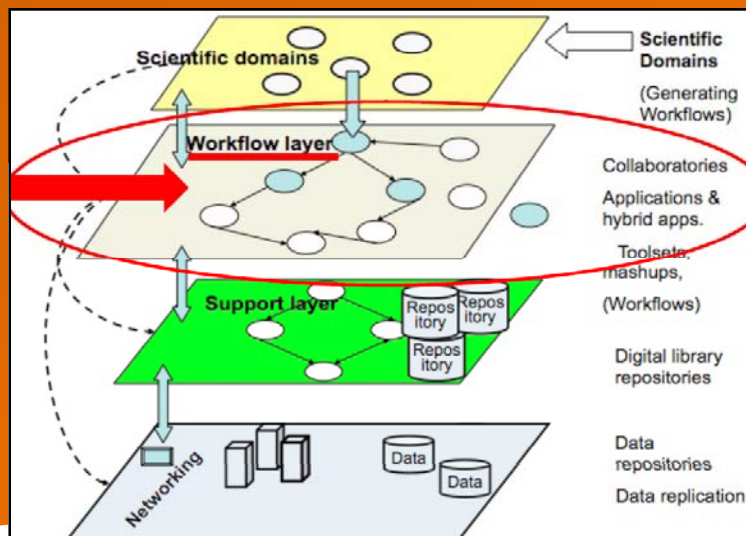


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John MacColl and
Ricky Erway
RLG Partnership Meeting
June 2, 2009

2008 RLG Partnership Meeting (part one)

- We reported on four areas:
 - Collaboration among libraries, archives, and museums.
 - A synthesis of the literature on disciplinary research behaviors.
 - An investigation of expectations for scholarly use of the outputs of book digitization.
 - An exploration of institutional reputation based on research outputs .



2008 RLG Partnership Meeting (part two)

What attendees said was of interest on the way in:

Faculty partnerships
eScience

Work practices of faculty and students

Strategic planning
Institutional repository

Data curation

Scholarly communication

eScholarship

Preservation

Other media

ePublishing

Reputation measures

Open content mandates

Library, archive, museum convergence

Collaborative space

Access to legacy collections



2008 RLG Partnership Meeting (part three)

- What we heard as advice from the meeting:
 - Extend the benefit and lessons from the LAM investigations
 - Formulate guidance for those interested in managing personal collections
 - Write a scoping and opportunity paper on reputation and expertise profiling
 - Profile a suite of services that could be built around faculty workflow and research output



The support that researchers need to meet their goals is not currently provided by the typical research library, - - and the gap between what they need and what is provided is growing wider

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- UCL Eprints
- Digital Collections
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INFORMATION FOR

- Visitors
- Part-time students
- Disabled users
- BioMed/Health users
- E-resource users

INFORMATION ABOUT

- Library sites
- Who's who
- Services
- Online resources
- Passwords/Athens
- Strategies & policies
- Subject resources

About the libraries

- Sites and opening hours
- Catalogues
- Who's who
- [More...](#)

Services for Library users

- Borrowing, renewing and reserving
- Getting help
- Language help in the Library
- [More...](#)

Online resources

- Electronic journals
- Electronic books
- Databases
- [More...](#)

Strategies and policies

- Library Strategy
- New building developments
- Scholarly Communication
- [More...](#)

UCL

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- Newsletter
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INVESTOR IN PEOPLE

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School of History, Classics and Archaeology

Staff

Name
Gayle Davis, M.A.(Hons), M.Phil., Ph.D.

Position
Wellcome Trust University Award Holder, Economic and Social History subject area

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Outline Biography
She graduated in history from the University of Glasgow in 1996, and obtained her Ph.D. from the University of Edinburgh in 2001. She was a research associate of Professor Roger Davidson at the University of Edinburgh (2001-4), and a researcher in the Centre for the History of Medicine, University of Glasgow (2004-6). She rejoined the School of History, Classics and Archaeology at the University of Edinburgh in 2007 as a Wellcome Trust University Award Holder, which allows her to conduct a three-year research project ('The Social, Medical and Political Response to Infertility in Later Twentieth-Century Scotland') before becoming the Wellcome Lecturer in the History of Medicine.

Research Interests
Her research interest is the social history of medicine from the mid-nineteenth century to the present, particularly psychiatry, sexuality, reproductive health, and death. She recently completed a book entitled 'The Cruel Madness of Love: Sex, Syphilis and Psychiatry in Scotland, 1860-1930' (Amsterdam and New York: Rodopi, 2008). Amongst other things, she is currently working on a co-authored book with Professor Roger Davidson that will bring together their research findings on sexuality and Scottish Governance between 1950 and 1980. She organises the Edinburgh History of Medicine Group seminar series, which is held at the Royal College of Physicians and a member of their reviews editor of the journal 'History of Psychiatry' and a member of their Editorial Board. She is also Secretary of the Society for the Social History of Medicine, and a Council member of both the Economic and Social History Society of Scotland and the Scottish Records Association.

Current & Recent Research Students

Name	Thesis Title	Submission
Emily Donoho	"The Insanity Defense in Nineteenth-Century Scotland"	Current
James Wood	"The Insanities of Inebriety: Alcohol, Psychiatry, Degeneracy, and Racial Poisoning in Scotland 1880-1920"	Current

More info

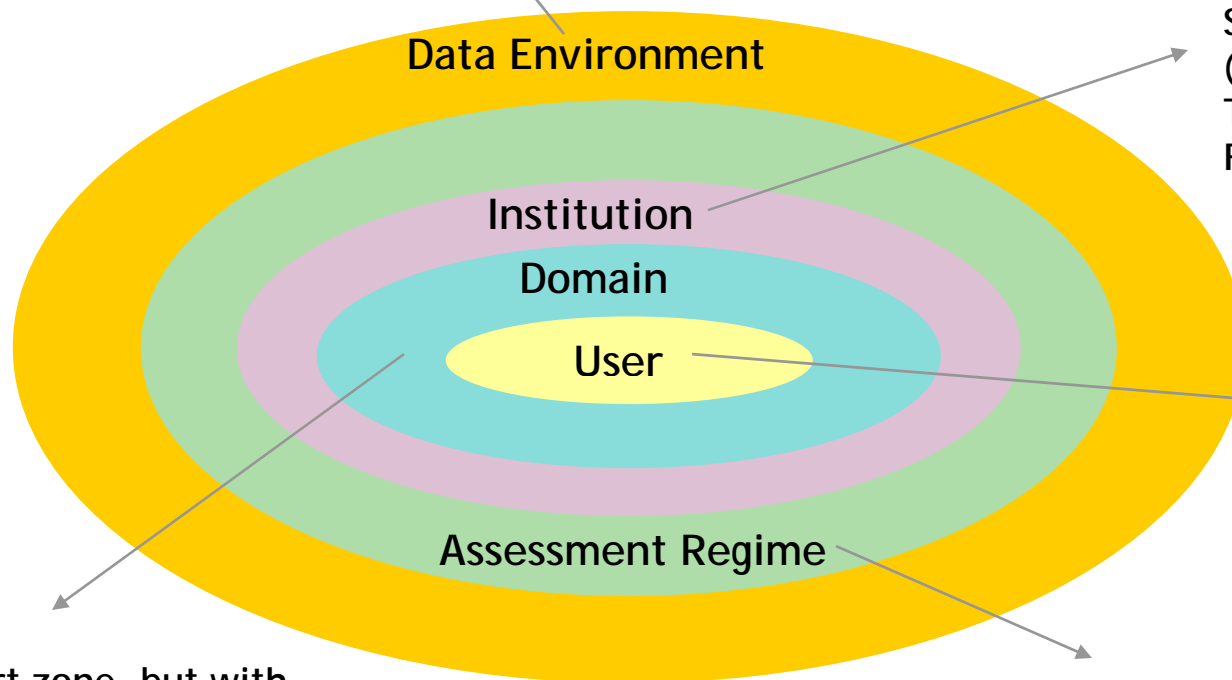
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The Research Information Management Universe

Scholar; Scopus; WoK; WorldCat; Oaister; CiteSeer;
Google Books; datasets; databases; EEBO/ECCO;
VREs; repositories; etc

Large research-oriented
(tend toward STEM)
Smaller research-oriented
(tend toward humanities)
Tenure issues
Funding issues




Comfort zone, but with
competition issues

JISC Names
ISNI
ResearcherID
People Australia
DAI
Cooperative ID Hub?

Self-assessment (Netherlands; Nordic)
Funding-based (UK, Australia)
Tenure based (US)
PR and institutional reputation (all)

RLG Research Information Management (RIM) Program



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◀ Our work

Work Agenda by Theme and Program

Research Information Management ▶

- [Workflows in Research Assessment](#)
- [Support for the Research Process](#)

Managing the Collective Collection

Renovating Descriptive & Organizing Practices

Modeling New Service Infrastructures

Measurements & Behaviors

Architecture and Standards

RLG Programs : Our work : Research Information Management

Research Information Management

Objective: Reach a collective understanding of the responsibilities of and opportunities for libraries in a changed research environment. Explore new prospects for adding value to the scholarly communication process, helping scholars get the most out of new technologies that can enhance the quality of their work, and helping academic institutions with the assessment of their research output.

Total programs: 2
Total projects: 3

Collaborative activities in this domain are organized into the following programs:

- [Workflows in Research Assessment](#)
- [Support for the Research Process](#)

A Research Information Management Interest Group has been established. Contact [Ricky Erway](#) to be added to this group.

RLG Research Information Management Activity

- Report on Scholarly Information Practices
- WRAP consultancy
- Joint investigation with RIN
- Projects with the RLG Partnership
 - Testing the desirability of research services
 - A RIM manifesto
 - Role of libraries in data curation
 - Changing roles of library staff
- Deferred projects
- Welcome your input

RIM Activity

- Report on Scholarly Information Practices
- WRAP consultancy
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Scholarly Information Practices in the Online Environment

Themes from the Literature and Implications for Library Service Development

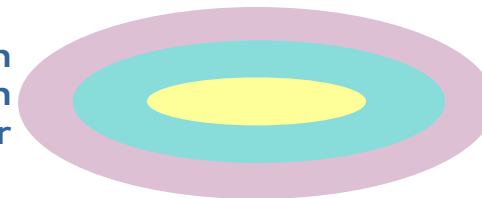
Carole L. Palmer
Lauren C. Tefteau
Carrie M. Pirmann

Graduate School of Library & Information Science (GSLIS)
Center for Informatics Research in Science & Scholarship (CIRSS)
University of Illinois at Urbana-Champaign

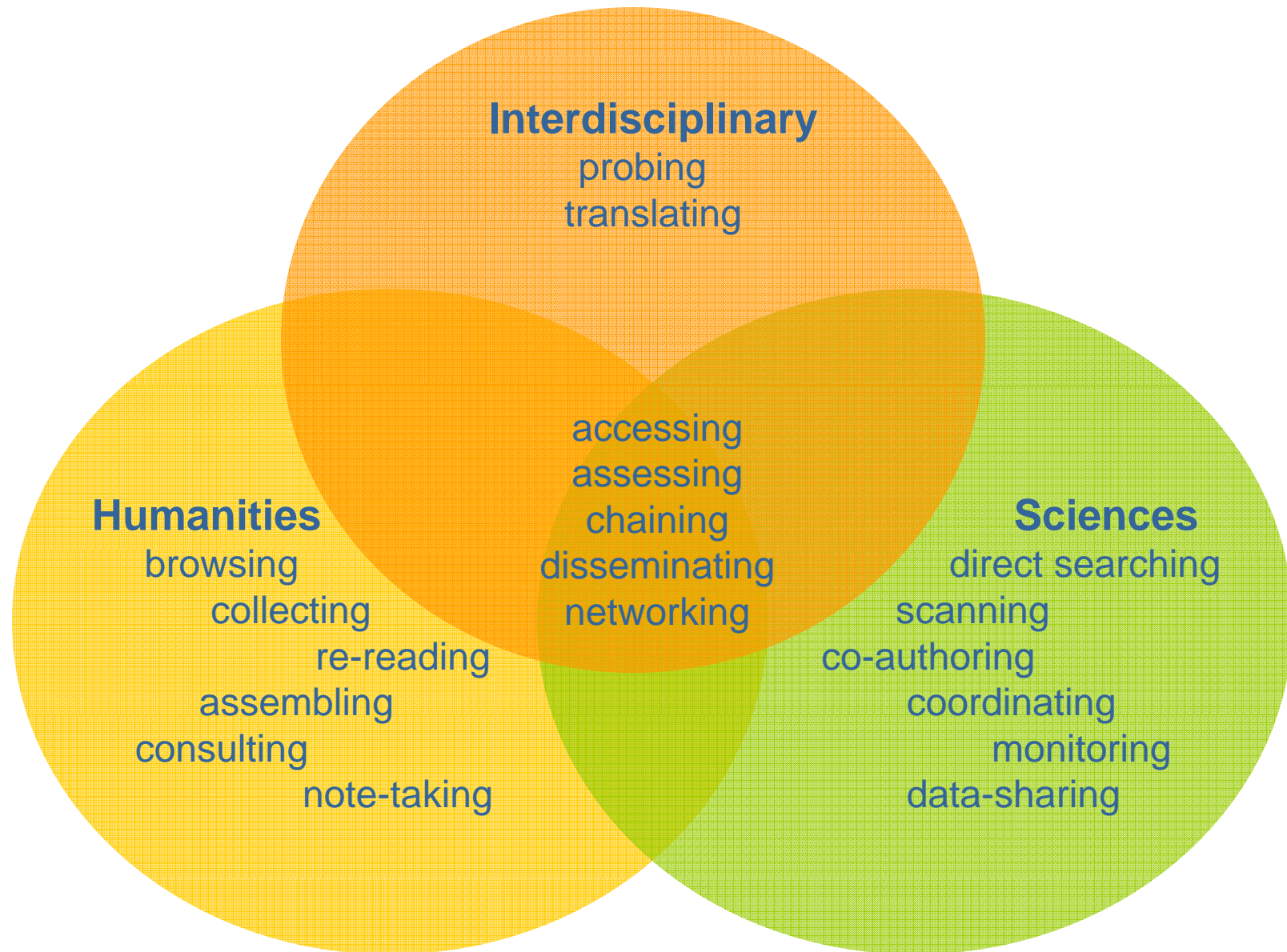


A publication of OCLC Research

Institution
Domain
User



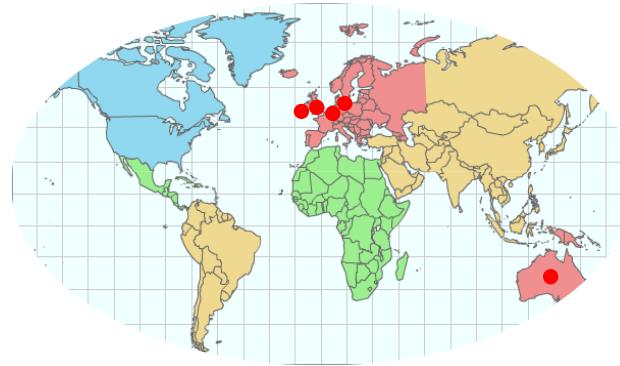
Patterns of Convergence in Scholarly Practice



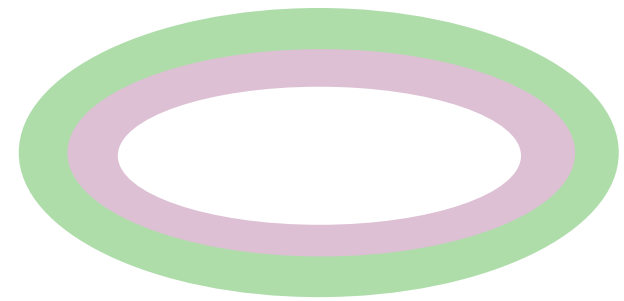
Adapted from C. Palmer, L. Teffau, C. Pirmann (2009)

Workflows in Research Assessment Program (WRAP) Consultancy

- Survey library roles in research assessment data-gathering regimes within research universities in:
 - UK
 - Netherlands
 - Denmark
 - Republic of Ireland
 - Australia
- Describe the assessment regimes, placing them on a spectrum from high- to low-intervention, noting national characteristics.



Assessment Regime
Institution



Joint project with UK Research Information Network

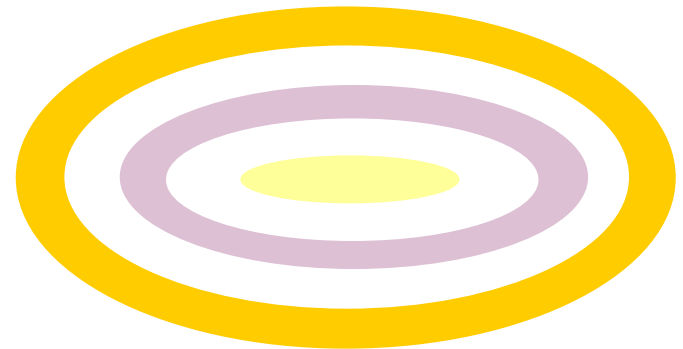


Investigate methods of managing **places of intersection** around research support on campus

Data Environment

Institution

User



RIM Activity

- Report on Scholarly Information Practices
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- **Projects with the RLG Partnership**
 - **Testing the desirability of research services**
 - **A RIM manifesto**
 - **Role of libraries in data curation**
 - **Changing roles of library staff**
- Deferred projects
- Welcome your input

RIM Research Services Project

- A list of research support services will be tested with researchers. The list exemplifies a user-centered approach, with services that researchers should like because they can make their work easier and help them in maintaining their scholarly reputation.

Working Group

Susan Ashworth - University of Glasgow

Jeff Belliston - Brigham Young University

Niamh Brennan - Trinity College Dublin

Sten Christensen - University of Sydney

Zack Lane - Columbia University

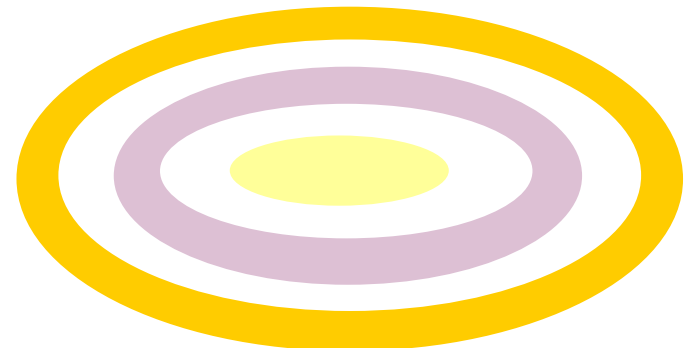
Virginia Shih - University of California, Berkeley

Chair: Robin Green - University of Warwick

Data Environment

Institution

User



List of Research Support Services (slide 1 of 2)

We will...

- provide you dedicated **space** on a server.
- help you structure space to **organize** your notes, datasets, others' publications, presentations...
- help you **load** it if you like.
- **back up** your work.
- ensure you can access your data **remotely**, no matter where you are.
- provide tools for **group** work and **version** control at the file level.
- help you manage your research, tracking who is involved in which **grant**, which research is funded by which grant, and purchasing grant-funded equipment.
- help you negotiate publication **rights**.
- help you comply with NIH and other **requirements**. (cont.)

List of Research Support Services (slide 2 of 2)

(Cont.) We will...

- see that your work is **disseminated** broadly, quickly, and openly and that you get maximum **impact** for you and your university.
- do the **authority** work to ensure you are credited for all your work, despite the various forms of your name used in indicating authorship.
- keep your personal **bibliography** up-to-date.
- provide you with a customizable personal **web page**.
- include you in the campus **expertise database** and facilitate inclusion in disciplinary expert databases.
- **preserve** your outputs in the institutional repository and facilitate inclusion in disciplinary repositories.
- see that you can take your work with you if you **leave** this institution

RIM Roadmap Project

- This project involves issuing a provocative call to action, urging academic libraries to take a more significant role in their institution's mission to support research.

Working Group

Susan Ashworth - University of Glasgow

Niamh Brennan - Trinity College Dublin

Elizabeth Brown - Binghamton University, SUNY

Sheila Cannell - University of Edinburgh

Ross Coleman - University of Sydney

Robin Green - University of Warwick

Geneva Henry - Rice University

Allen Jones - The New School

Rebecca Kennison - Columbia University

MJ Romaniuk - University of Alberta

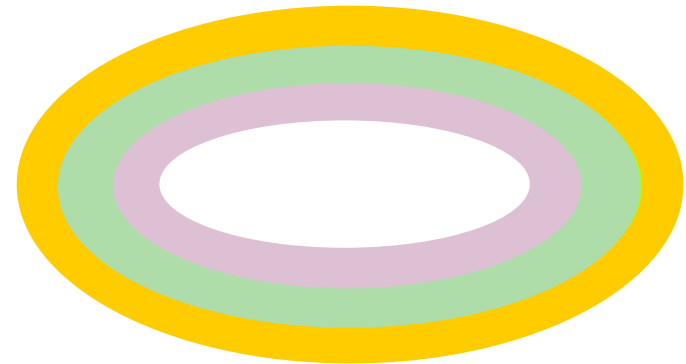
Sally Rumsey - University of Oxford

Wendy Scheir - The New School

Anna Shadbolt - University of Melbourne

Chair: Chris Bourg - Stanford University

Data Environment
Assessment Regime
Institution



Data Curation Project

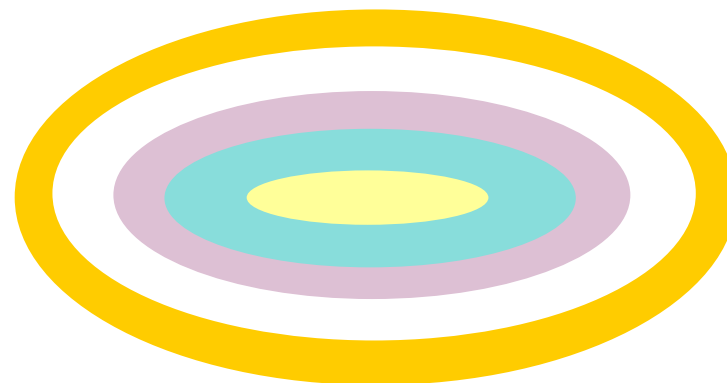
While big science often has its data curation needs met outside the library, the library needs to be prepared to respond to the need for local dataset management, to look beyond derivative data, to include the source data, and to help researchers manage the entire data lifecycle.

Working Group

Jeff Belliston - Brigham Young University
Niamh Brennan - Trinity College Dublin
Elizabeth Brown - Binghamton University, SUNY
Rowan Brownlee - University of Sydney
Faye Chadwell - Oregon State University
Robin Green - University of Warwick
Allen Jones - The New School
MJ Romaniuk - University of Alberta
Sally Rumsey - University of Oxford
Wendy Scheir - The New School
Anna Shadbolt - University of Melbourne
Chair: Patricia Cruse - California Digital Library

Data Environment

Institution
Domain
User



Data Curation

Assess library contributions related to data curation

- Big science vs. little science and humanities
- Derivative data and source data
- Data lifecycle management
- Data reuse
- Institutional vs. disciplinary approaches

Changing Roles of Library Staff

This project entails an investigation of how traditional library roles can be simplified, so that libraries can rise to the increasing demands related to scholarly communication and data curation.

Working Group

Susan Ashworth - University of Glasgow

Chris Bourg - Stanford University

Sheila Cannell - University of Edinburgh

Ross Coleman - University of Sydney

Robin Green - University of Warwick

Allen Jones - The New School

Catherine Mitchell - California Digital Library

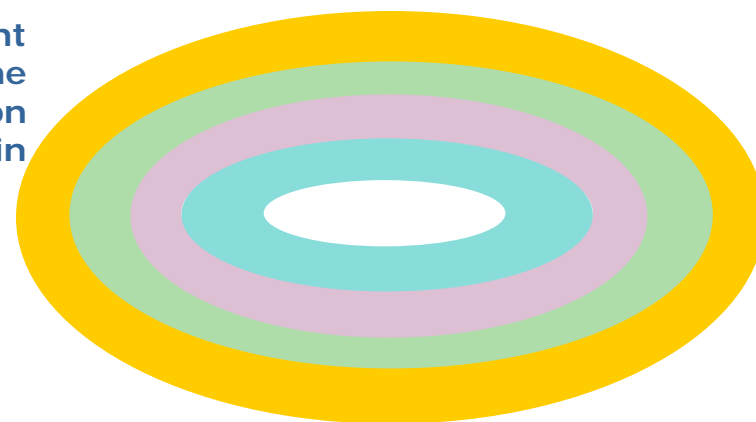
Barbara Rocchi - University of Melbourne

MJ Romaniuk - University of Alberta

Sally Rumsey - University of Oxford

Chair: Niamh Brennan - Trinity College Dublin

Data Environment
Assessment Regime
Institution
Domain



Changing Roles of Library Staff

Explore changing roles of library staff

- Increasing demands
- Role of "data librarians"
- Faculty liaison role
- Specialization in rights and open access
- Ways to work with departments to increase data management awareness and skills

RIM Activity

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Other Possibilities

- Research Needs and Services Grid
- Personal Name Disambiguation
- Institutional Name Disambiguation
- Impact Optimization
- Assessment Approaches
- Internal Research Assessment
- Expertise Profiling

Research Needs and Services Grid

- Map the research support landscape
 - research activities
 - examples of the services that exist to support them
- RLG Partnership Council support
- RLG RIM interest group, not so much

The high-level view of the Research Information Management Workflow

The researcher's workflow (services to support the scholar's work)

Fun d	Discover	Gather	Create	Share
Grant process	Keeping current Structured Collaborative Serendipitous	Organizing Acquiring Collecting	Annotating Analyzing Describing Reviewing & Writing Archiving Management	Publishing Teaching Data sharing Rights

Individual reputation management (services performed on behalf of the scholar)

Collect	Analyze	Share	Assess
Datamining	Metadata Assembling data Authoritative Expert profiling	Identify expertise Public database Output services Increased visibility on Web	Inform tenure process

Institutional research output and assessment (services performed on behalf of the institution)

Collect	Retain	Share	Assess
Facility deposit Input Quality control Name authority control Acquire content Start-ups, spin-offs Placement of grads excellence Centers of	Persistent identifiers Rights Back-up stewardship Info asset preservation Long term	Bibliography Open Access Repositories Publication Output to other discoverability Optimize	Peer review Datamining Exporting statistics Research output metrics Output : grant ratio

The researcher's workflow (services to support the scholar's work)

Primitive		
Behavior	Activity/Example(s)	Selected services, providers, advisors
Fund		
Seeking grants	Finding funding opportunities, writing grant proposals	Grant administration office, Foundation Center
Discover		
Finding (serendipitous)	Browsing: shelves, literature, web	Libraries, bookstores, JSTOR, Google Scholar, Amazon
Finding (collaborative)	Identifying and collaboration with colleagues, Recommending/Tagging	NatureNetwork, SciSpace, ResearchGate, Videoconf, 2
Finding (structured)	Known item searching: books, journals, Searching/mining/following citations	Library catalogs and indexes, Amazon, Web of Knowledge
Keeping current	Push/pull awareness: SDI, RSS feeds; journals, eText mining, web browsing	Current Contents, NARCIS, JSTOR, Google Books, eT
Gather		
Collecting	Physical resources, lab books, eTexts, digital documents, web resources, datasets, surveys, images	The Nines, Zotero, CiteULike, ICPSR, BioLit, JISC VRE
Acquiring	Borrowing, purchasing, licensing, accessing, requesting	Library, ILL, Amazon, ICPSR, government, Archives,
Organizing	Citation Management, curating datasets	Endnote, Procite, BibTeX, CiteULike, Connotea, DANS
Create		
Annotating	Active reading, tools for notes, drafts	Zotero, Delicious
Analyzing	Scripts, code, algorithms, computational capacity, data mining, modeling, reusable tools	Source Depot, TeraGrid, DataNet, Collex, SSDA, SAS,
Describing	Annotating, tagging, ontological work, mark-up	Zotero, CiteULike, Mendeley, Technorati, eText Center:
Reviewing & rating	Social networking (Blogs, wikis, listservs, chat), formal review	Confluence, Institutional PhD panel, disciplinary peer re
Writing	Document management, citation/bibliography, collaborative authoring,	LaTeX, Word, EndNote/Procite, Connotea, Source Dep
Archiving	Storing or Self archiving	Campus IT, Google, Amazon, Atira PURE

Retain		
Rights	Negotiate publisher agreements, retaining right to make open	BLC/MIT, SHERPA, Creative Commons
Persistent identifiers	Identifiers at the article level	
Back-up		
Info asset stewardship	Open standards	e-Framework, OMII
Long term preservation	Digital conservancy, Format rationalization, Migration	Institutional Repository, Portico, LOCKSS,
Share		
Bibliography		
Open Access		PubMed, CDL eScholarship, IReL-Open, P
Publication	Accelerated access, Traditional publication and peer-reviewed open access	Publishers, Science Commons, IU
Output to other repositories	Satisfy requirements, eg. NIH Grant requirements, Inclusion in disciplinary repositories	PubMed, Cogprints, ArXiv, PolicyA
Optimize discoverability		Google, Google Scholar, OAlster, I
Assess		
Output : grant ratio		
Research output metrics		RAE/REF, Australian govt.
Exporting statistics		
Datamining	Citedness and usage	MESUR (LANL)
Peer review		RIOJA, RAE, ERA

Personal Name Consistency

Investigate personal name consistency possibilities, by doing one or more of the following:

- Refine use cases
- Compare related efforts at other institutions and organizations
- Conduct a personal name disambiguation project that would get us closer to a name server that could be used by a variety of applications

Expertise Profiling

Assess various approaches to expertise profiling

- Ways of gathering data
- Intended uses
- Policy issues
- Outputs for other uses
- Compare institutional to discipline profiles
- Commercial approaches

Comments?

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Resources

Research Information Management Program

www.oclc.org/programs/ourwork/researchinfo

OCLC Research White Papers

www.oclc.org/programs/publications/reports.htm

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