

Managing Research Information for Researchers and Universities

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Program Officer
OCLC Research

LIBER 40th Annual Conference
30 June 2011, Barcelona

Syllabus:

- Risks for research libraries
- Universities managing research information
- Researchers managing research information
- Libraries managing research information

Risks

for Research Libraries

Risks to research libraries?

Research Libraries, Risk and Systemic Change

James Michalko
Constance Malpas
Arnold Arcolio

OCLC Research



A publication of OCLC Research



Our business is at risk

Value Proposition

... a reduced sense of library relevance from below, above, and within

Human Resources

... uncertainties about adequate preparation, adaptability, capacity for leadership in face of change

Durable Goods

... changing value of library collections and space; prices go up, value goes down – accounting doesn't acknowledge the change

Legacy Technology

... managing and maintaining legacy systems is a challenge; replacement parts are hard to find

Intellectual Property

... losing some traditional assets to commercial providers (e.g. Google Books) and failing to assume clear ownership stake in others (e.g. local scholarly outputs)



Challenges for academic libraries in difficult economic times

A guide for senior institutional managers and policy makers

March 2010



“All our focus group members agreed that they must find ways of doing things differently; and many saw budget cuts as an opportunity to re-think what the library does and what it means.

“But they have as yet few concrete proposals that will transform services or yield large-scale efficiency savings, at least within the bounds of individual universities.”

<http://www.rin.ac.uk/our-work/using-and-accessing-information-resources/challenges-academic-libraries-difficult-economic->

Universities

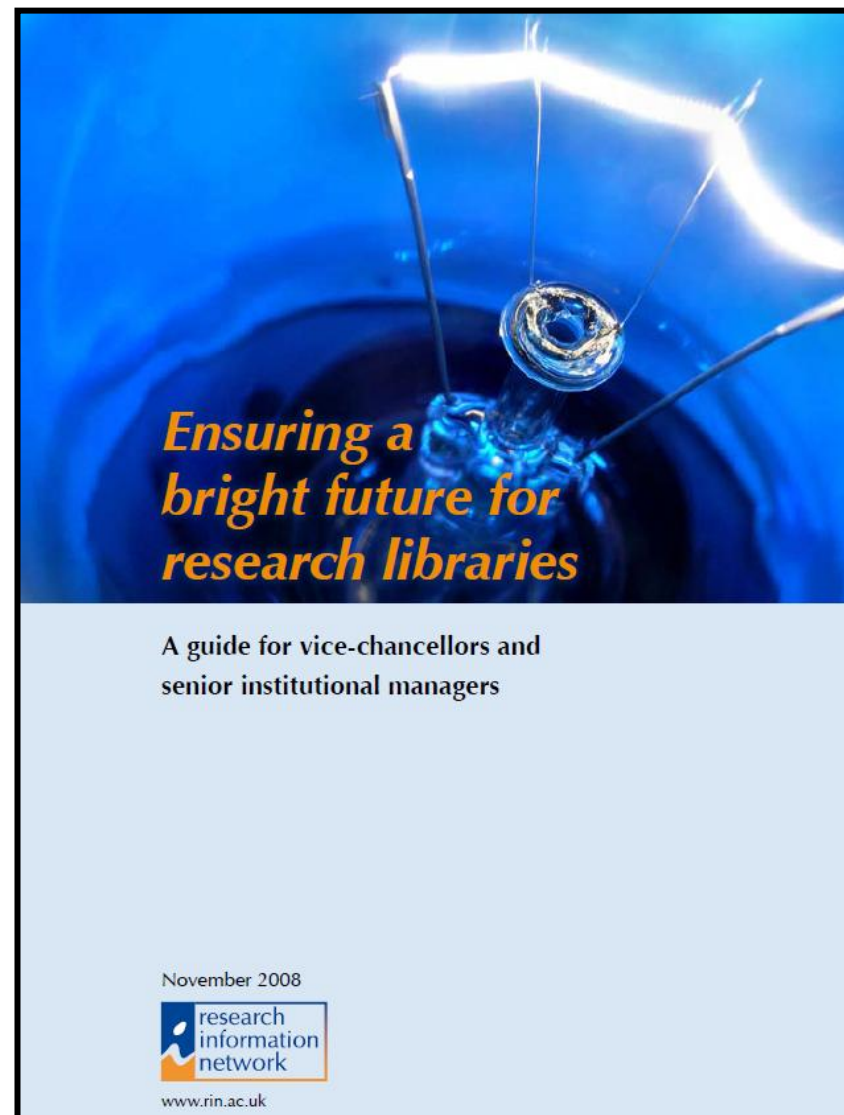
Managing Research Information

“Ensuring a bright future...”

for vice-chancellors and
senior institutional managers

“a guide to ensure their
library and information services
keep pace with
the evolving needs
of researchers”

www.rin.ac.uk/ensuring-bright-future-libraries



Research Assessment Regimes

A Comparative Review of Research Assessment Regimes in Five Countries and the Role of Libraries in the Research Assessment Process

A Pilot Study Commissioned by OCLC Research

Prepared by Key Perspectives Ltd
Truro, UK

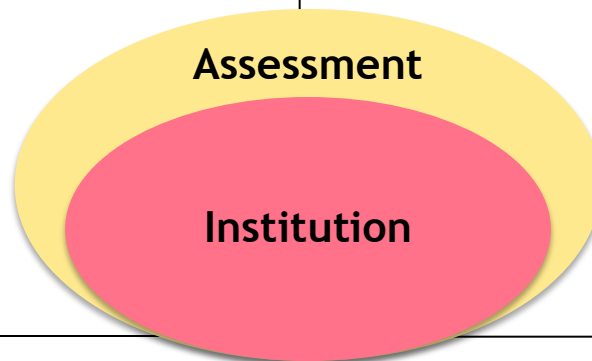


A publication of OCLC Research

Research Assessment and the Role of the Library

A companion report to *A Comparative Review of Research Assessment Regimes in Five Countries and the Role of Libraries in the Research Assessment Process*

John MacColl
RLG Partnership European Director
OCLC Research



- UK
- Netherlands
- Denmark
- Ireland
- Australia

oclc.org/research/publications/library/2010/2010-01.pdf

Professionalising Research Management

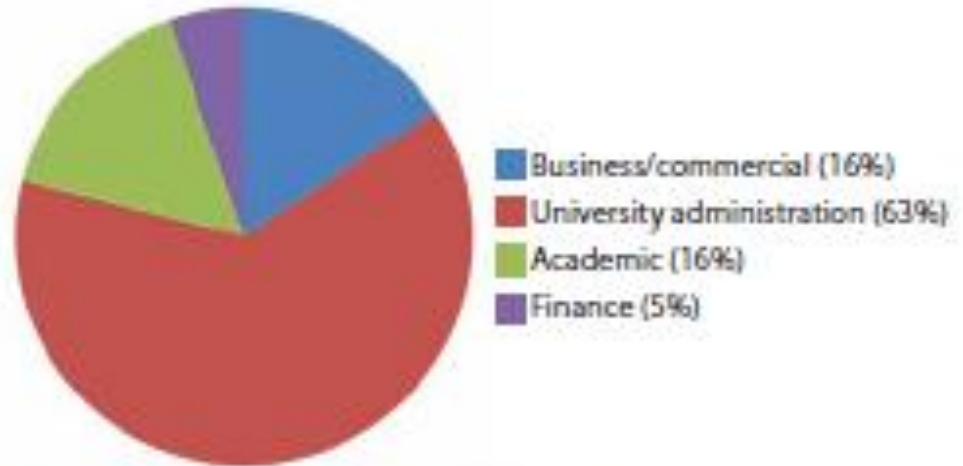


FIGURE 13: Preferred background of recruits

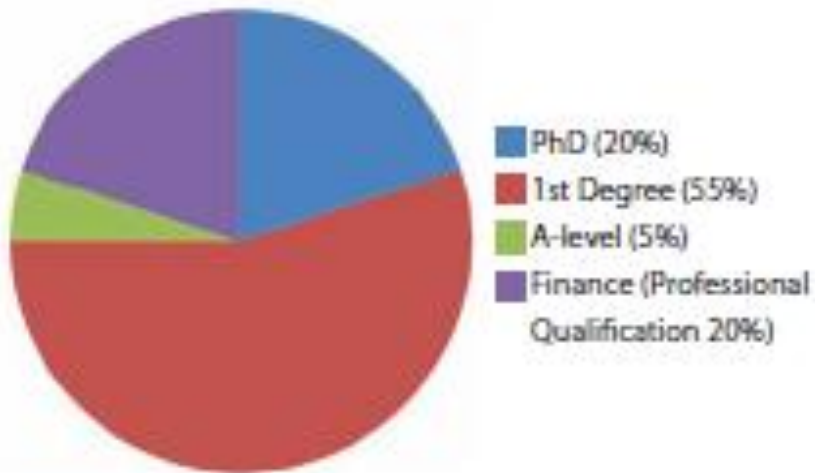


FIGURE 14: Preferred qualifications of recruits

Commercial services

THOMSON REUTERS RESEARCH ANALYTICS

A Continuum of Products, Tools, and Services Supporting Strategic Research Decisions and the Evaluation and Management of Research

A SINGLE SOURCE FOR RESEARCH EVALUATION, MANAGEMENT, AND DECISION SUPPORT



THOMSON REUTERS RESEARCH ANALYTICS ENABLE YOU TO:

- Compare performance against other institutions using world and field benchmarks
- Pinpoint influential researchers and research trends
- Showcase strengths and identify potential areas for growth
- Set measurable goals; allocate funds accurately and intelligently
- Monitor collaboration activity and track new collaboration opportunities
- Support accreditation activity, funding proposals, legislative agendas, alumni appeals, and faculty and student recruitment
- Track progress to strategic goals with metrics that can be tracked over time and across departments
- Maintain Curriculum Vitae and produce

Thomson Reuters Research Analytics offers one-of-a-kind resources for institutions to manage research from strategic planning all the way through program evaluation. This continuum of products, tools, and services is fueled by content from *Web of Knowledge*SM – the most trusted scholarly content discovery tool, and *ScienceWire*[®] – a global platform for aggregating content and relating people, products, organizations, and outcomes. Our comprehensive collection of scientific and academic research content provides an excellent platform from which to launch all your research analysis activities.

With our *Research Analytics* solutions we can deliver:



Custom Research and Analysis

Every institution is different and therefore has unique analysis needs. We provide expert consultation to help you discover the solution that will best meet your research management challenges. From custom datasets to in-depth studies and reports, we can answer your institution's specific questions.



Web-Based Analytics and Benchmarking

Competition in the world of research is fierce, and our solutions allow you to take a closer look at what you are up against. From insights on the composition of other universities to evaluation tools that show how your institution compares to peers in areas such as funding, research impact, and overall productivity, we provide the information you need to effectively manage your research programs.



Enterprise Systems

With ever-increasing challenges such as competition for top talent, tighter financial accountability, higher demand for transparency, and increased requirements for objective metrics and reporting, we provide research managers and institution executives a resource to manage intellectual assets enterprise-wide.

RESEARCH ANALYTICS: ENTERPRISE SYSTEMS INTELLIGENT MANAGEMENT OF YOUR INTELLECTUAL ASSETS



Competition for funding dollars is fierce. And when you have to fight for every dollar to keep your research programs viable, it helps to know exactly where your strengths lie so you can effectively compete.

Thomson Reuters Enterprise Systems aggregate, standardize, and link data for every scholarly activity – institution wide. We provide a standard model and hosted database to support profiles, reports, and analysis of faculty service, teaching, and research expertise and accomplishments, making it easy for you to evaluate the strengths of your institution.

THE VALUE OF STANDARDIZING THE MANAGEMENT OF ACADEMIC INFORMATION

Streamline Regular Reporting Tasks

Whether you're submitting biosketch reports for grant applications, filing your annual report to the board, tackling the review process for faculty promotions and tenure, or proving there is no conflict of interest in your research efforts, Thomson Reuters is here to help. Our *Enterprise Systems* allow you to quickly pull together reports utilizing the data from across your program with a few simple clicks. Faculty and administration save valuable time and have confidence knowing the information is up-to-date and accurate.

Automate Data-Entry Processes to Ensure Accuracy and Save Faculty Time

Our *Enterprise Systems* pull faculty data from reliable resources and populate staff profiles, eliminating errors and the minimizing time associated with entering the data.

Evaluate the Strengths of Your Research Programs

Is funding concentrated in one area of expertise? Which programs are leaders? How do programs compare to each other or to peers? *Enterprise Systems* help you answer these questions and more.

Quickly Identify Your Research Strengths to Respond to Sponsored Research Opportunities

When the call comes to participate in a sponsored research opportunity – or if the media wants to quote your research – our *Enterprise Systems* help you respond quickly.

Compare Your Program to Your Peers

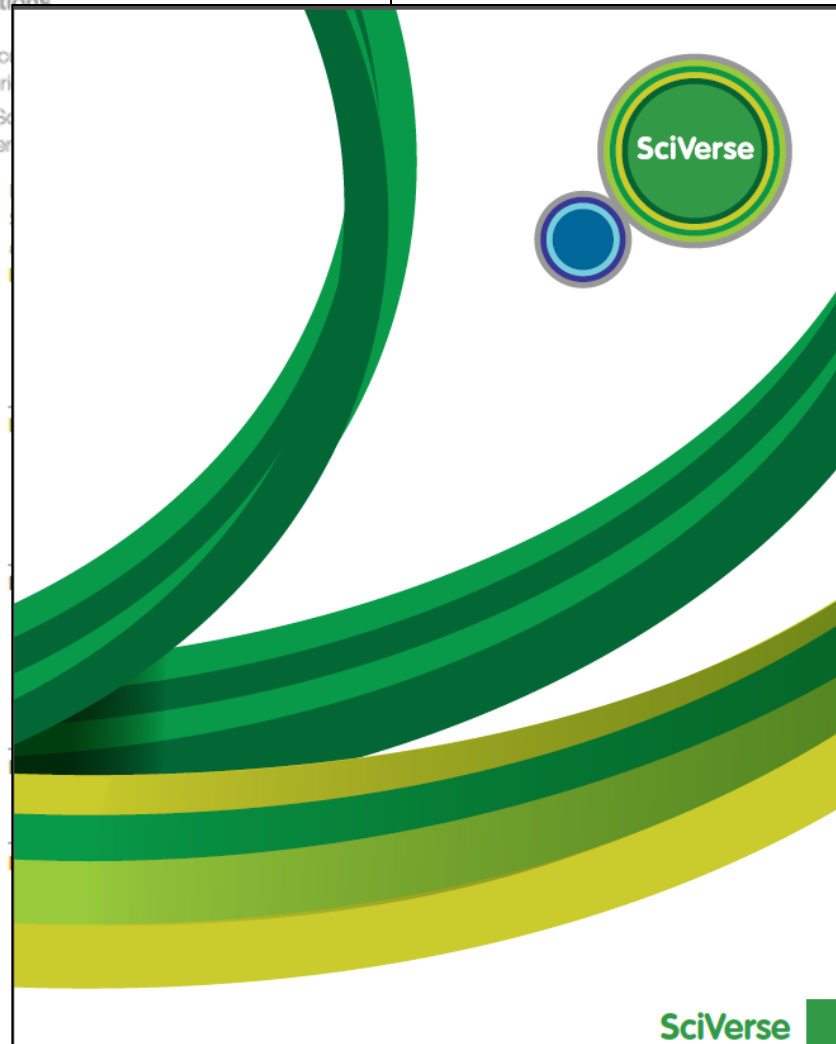
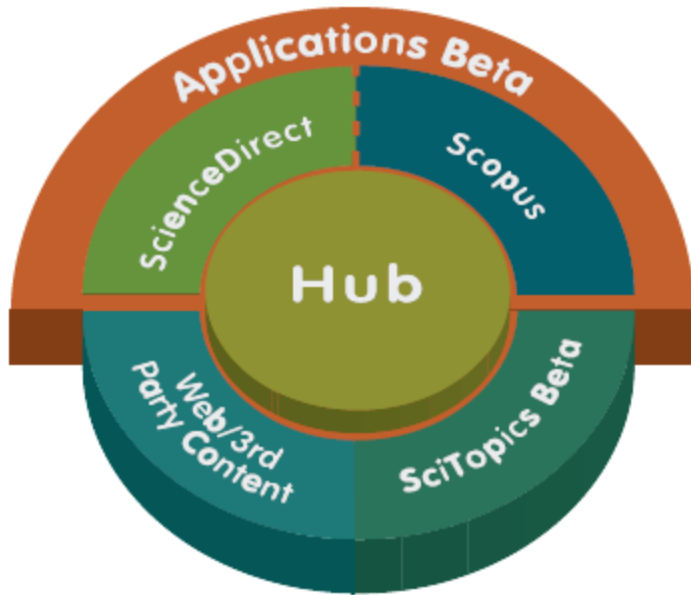
Thomson Reuters offers a customized, citation-based research evaluation tool for academic and government administrators to conduct analyses on productivity and benchmark output against peers

<http://researchanalytics.thomsonreuters.com/>

Introducing SciVerse

Integrated content and discovery tools - plus productivity applications

Elsevier's SciVerse integrates the familiar, trusted content from ScienceDirect, Scopus websites – with the forward-looking: community-developed applications that enrich the research ecosystem. By combining peer-reviewed content with productivity enhancing applications, SciVerse creates an ecosystem that facilitates collaboration, rewards innovation and accelerates scientific discovery.



SciVerse is designed to allow researchers to move easily between SciVerse ScienceDirect, SciVerse Scopus, SciVerse SciTopics Beta*, SciVerse Hub Beta and SciVerse Applications Beta* without logging into each individual product.

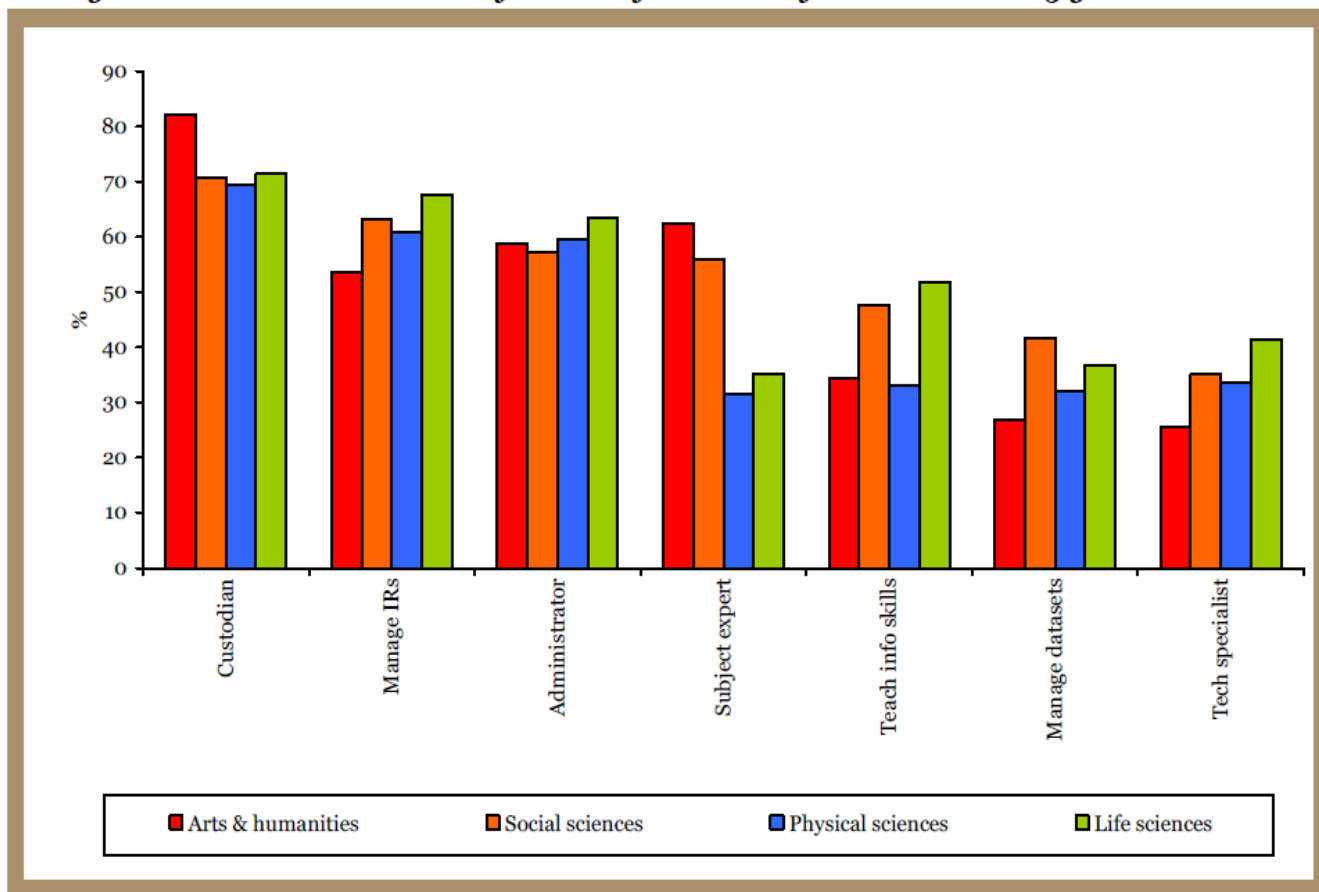
Researchers

Managing Research Information

Researchers' Use of Academic Libraries and their Services

A report commissioned by the Research Information Network
Research Libraries

Figure 22: Researchers' identification of core roles for librarians in 5 years' time



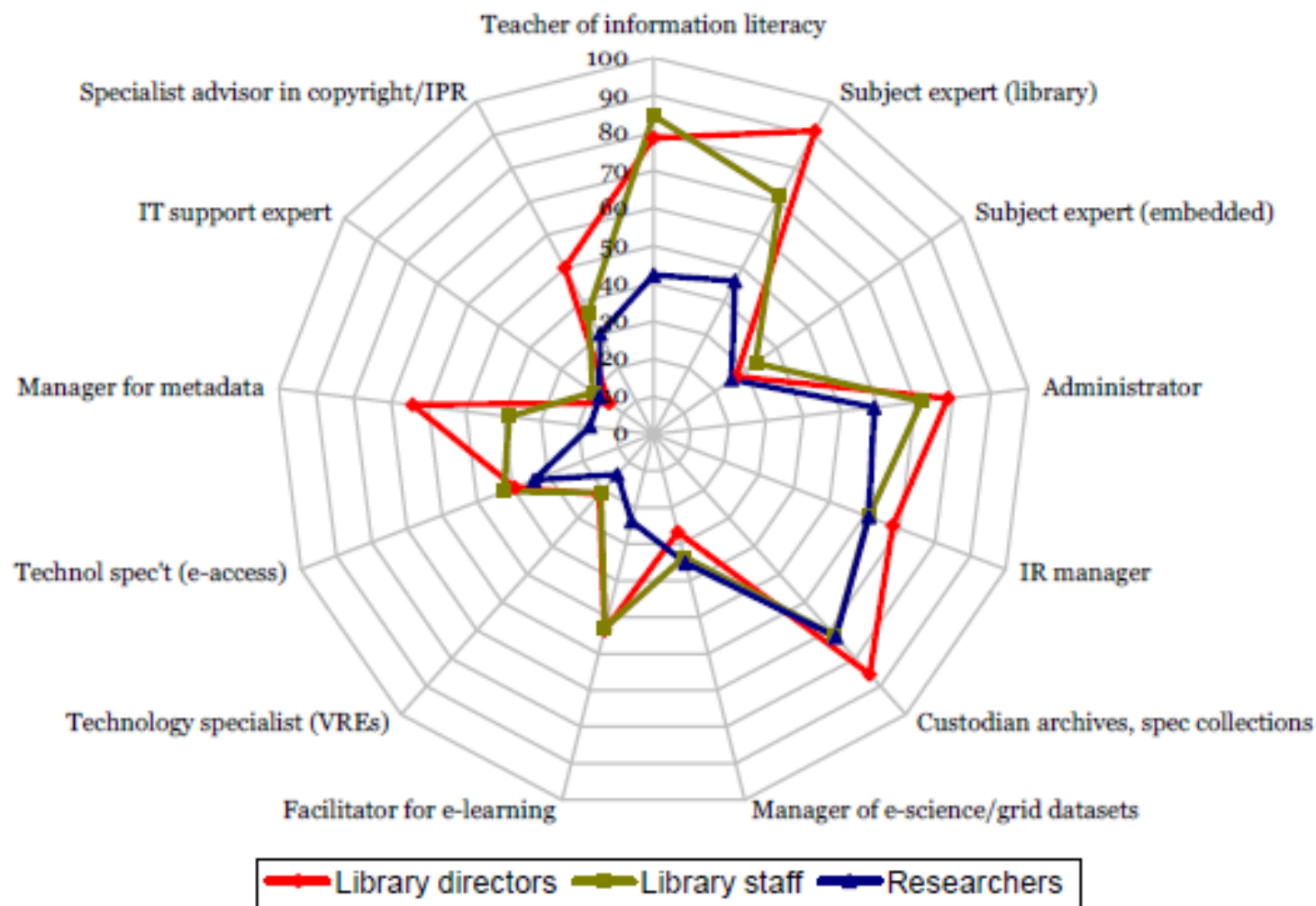
April 2007



www.rin.ac.uk

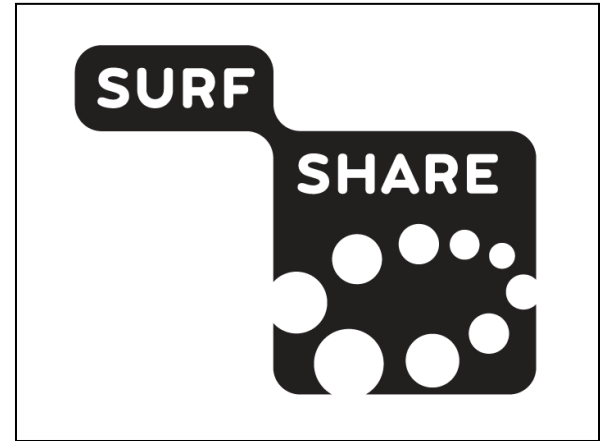
<http://www.rin.ac.uk/our-work/using-and-accessing-information-resources/researchers-use-academic-libraries-and-their-serv>

Figure 24: The relative importance of librarians' roles in 5 years time: the views of library directors, other library staff, and researchers (per cent)



What Researchers Want (2011)

(literature study of researchers' requirements for storage and access to research data)



“...The key requirement from most researchers’ perspectives is for *services which are there when they need them, but do not interfere with the creative work* at the heart of the research process.” (Henty, 2008)

http://www.surffoundation.nl/nl/publicaties/Documents/What_researchers_want.pdf

A Slice of Research Life:
Information Support for Research
in the United States



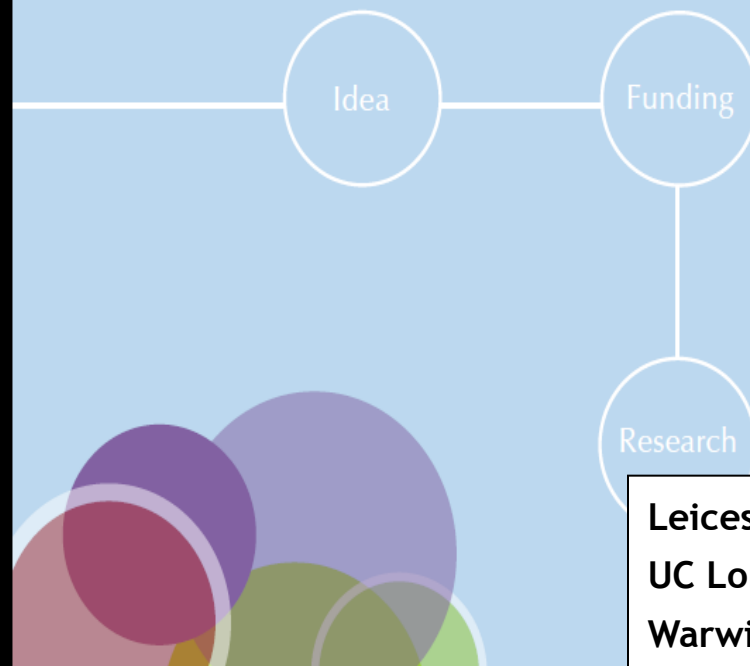
Cornell
Ohio State
U Washington
Vanderbilt



Research Support Services in UK Universities

A Research Information Network report

October 2010



Leicester
UC London
Warwick
York

Supporting Research

Supporting Research: Environments, Administration and Libraries

John MacColl

European Director, RLG Partnership
OCLC Research

Michael Jubb

Director
Research Information Network



A publication of OCLC Research

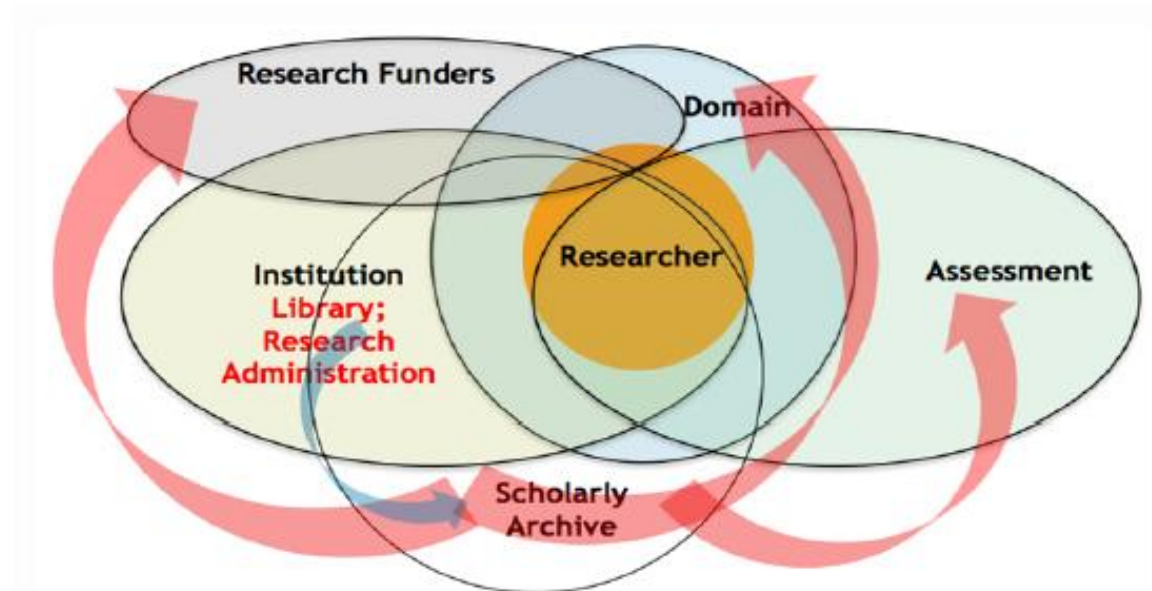


Figure 2. Potential research environments model, showing impact dynamics for a Scholarly Archive environment



Faculty Survey 2009:
Key Strategic Insights for
Libraries, Publishers, and Societies
April 7, 2010

Authors:
Roger C. Schonfeld (Manager of Research) & Ross Housewright (Analyst)

“...the academic library
is increasingly being
disintermediated from
the discovery process...”

<http://www.ithaka.org/ithaka-s-r/research/faculty-surveys-2000-2009/Faculty%20Study%202009.pdf>

Figure 24: Percent of faculty indicating that they “have deposited materials” or “have not deposited materials but are likely to do so” in an institutional, discipline-specific, or multi-disciplinary repository

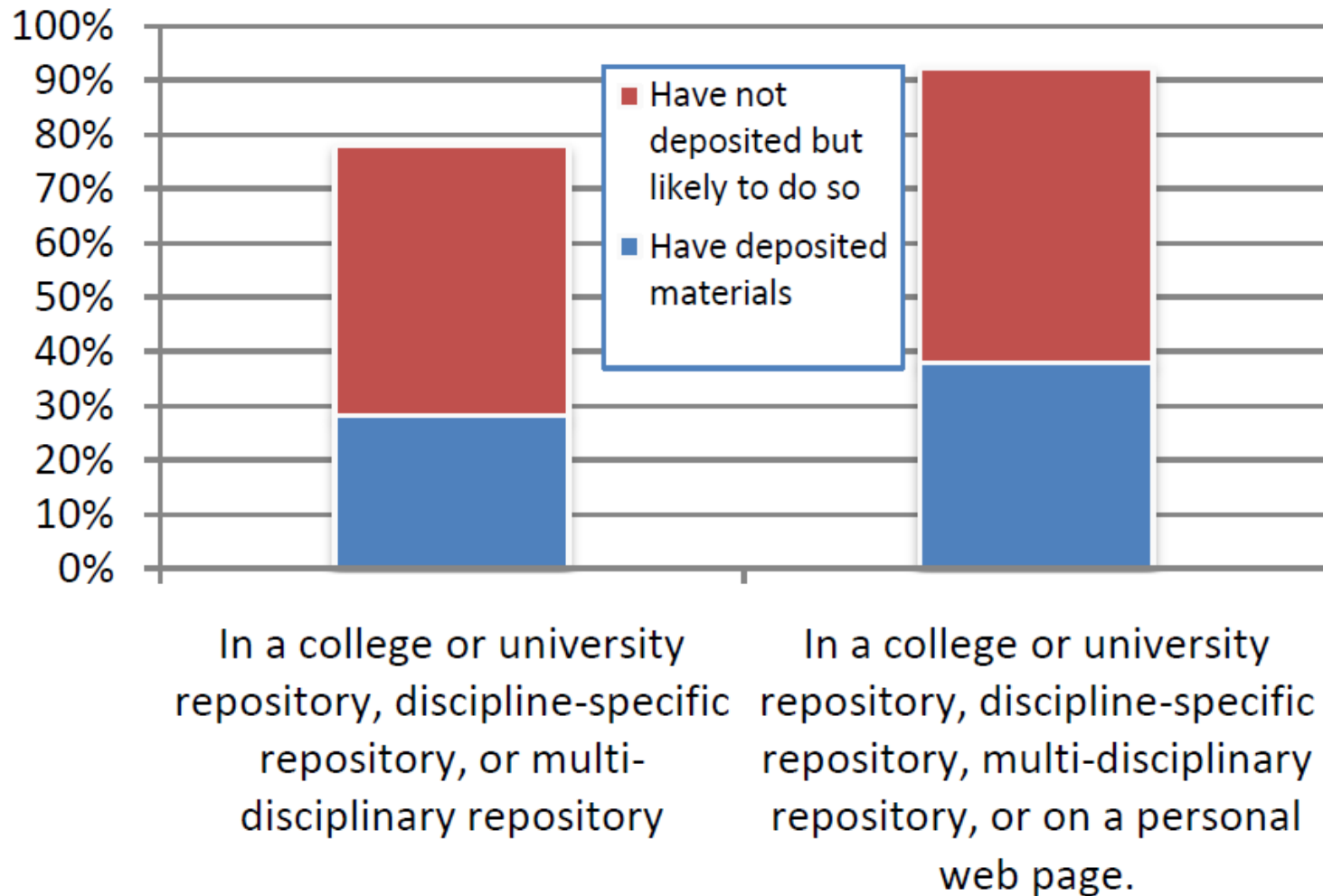
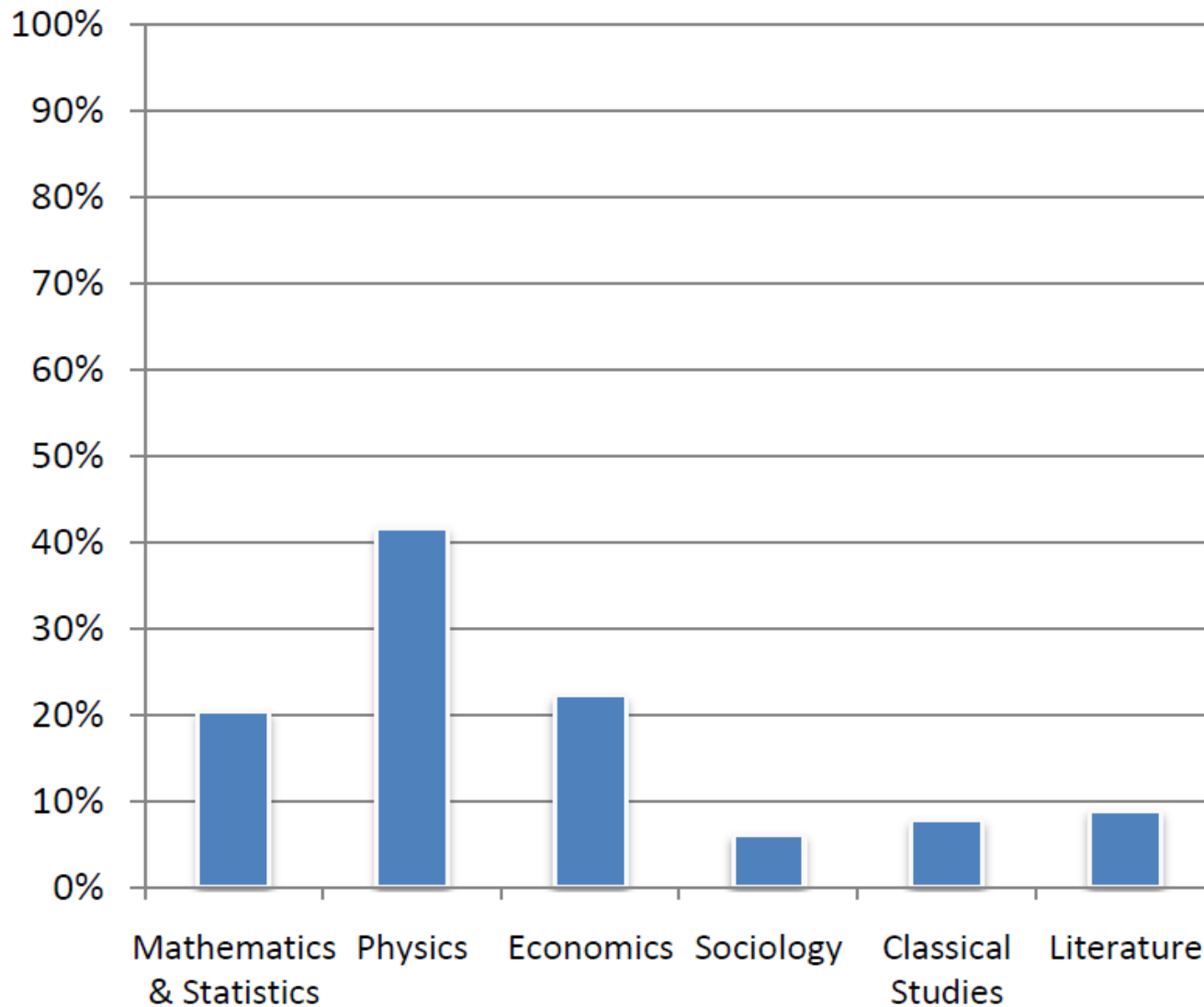


Figure 25: Percent of faculty indicating that they have deposited materials in a repository specific to their discipline, in selected disciplines



Enquête sur les Pratiques Informationnelles des Chercheurs : Quelques Résultats

4 mars 2011

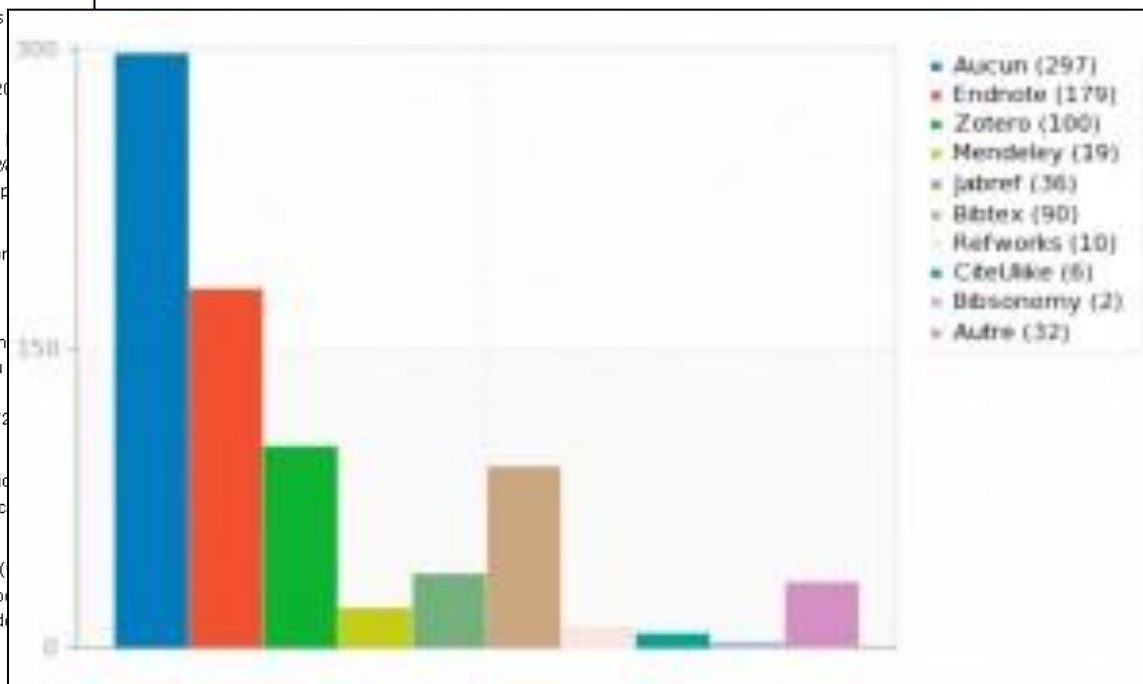
Le 6 octobre dernier [nous vous sollicitons](#) pour participer à une Enquête sur les Pratiques Informationnelles (EPI) des chercheurs lancée par l'Urfist de Nice avec la collaboration du laboratoire [I3M](#). Le questionnaire en ligne a recueilli 681 réponses complètes et 325 incomplètes au 7 janvier 2011. Nous avons choisi d'interroger les chercheurs aussi bien sur leurs pratiques « professionnelles » que sur leurs pratiques informationnelles privées, « culturelles », ce qui rend le questionnaire relativement long (56 questions et une vingtaine de minutes pour y répondre) et dans ces conditions, le nombre de retours nous apparaît plutôt comme un succès (le questionnaire [reste accessible ici](#)). Les résultats les plus intéressants devraient apparaître après les croisements de données qui sont en cours mais d'ores et déjà les résultats bruts proposent des constatations intéressantes sur les usages :

- **Importance massive de la documentation numérique** : moins de 20% des répondants consultent plus de documentation papier que de documentation numérique et près de 40% estiment à plus de 75% proportion des documents numériques consultés. Pour près de 78% d'entre eux l'usage professionnel d'Internet dépasse les 2 heures par jour.
- **Faible utilisation des « murs » des bibliothèques** : 66% des répondants ne se rendent jamais ou se rendent rarement en bibliothèque universitaire pour leurs recherches.
- **Les bibliothèques** sont d'abord appréhendées plutôt selon leur fonction traditionnelle de réservoirs d'information que comme service et lieu de médiation. C'est vrai aussi des **bibliothèques numériques**, assez largement utilisées (49%) auxquelles on demande massivement (72%) contenu en masse plutôt que de la sélection (23%).
- **Très faible utilisation des outils numériques spécifiques**, en particulier les outils de mémorisation en ligne (moins de 5%), les fils de syndicats (moins de 17%), les réseaux sociaux spécialisés...
- **Utilisation massive des outils Internet « grand public »** : Google (70%, dont 47% dans un cadre académique) voire Facebook (34%). Une mention spéciale pour Google Scholar utilisé par 45% des répondants.

Ce qui semble apparaître ainsi c'est la coexistence entre un impact important du numérique et un certain conservatisme des pratiques et des conceptions. Les résultats sont en fait assez contrastés, notamment en ce qui concerne les pratiques d'usage (40% des usages numériques) et de disciplines.

<http://urfistinfo.hypotheses.org/1901>

62% of respondents did not file their scientific output in an open archive



Assessing the Future

LANDSCAPE

of Scholarly Communication

An Exploration of Faculty Values and Needs in Seven Disciplines

CHAPTER 1: OVERVIEW, FINDINGS, AND CONCLUSIONS

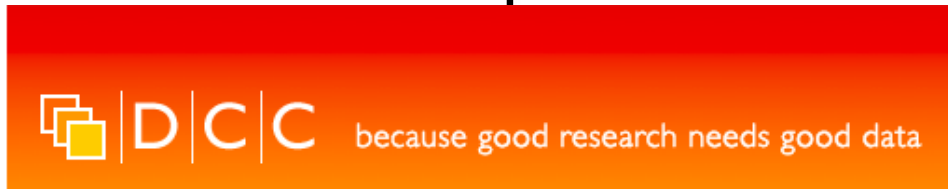
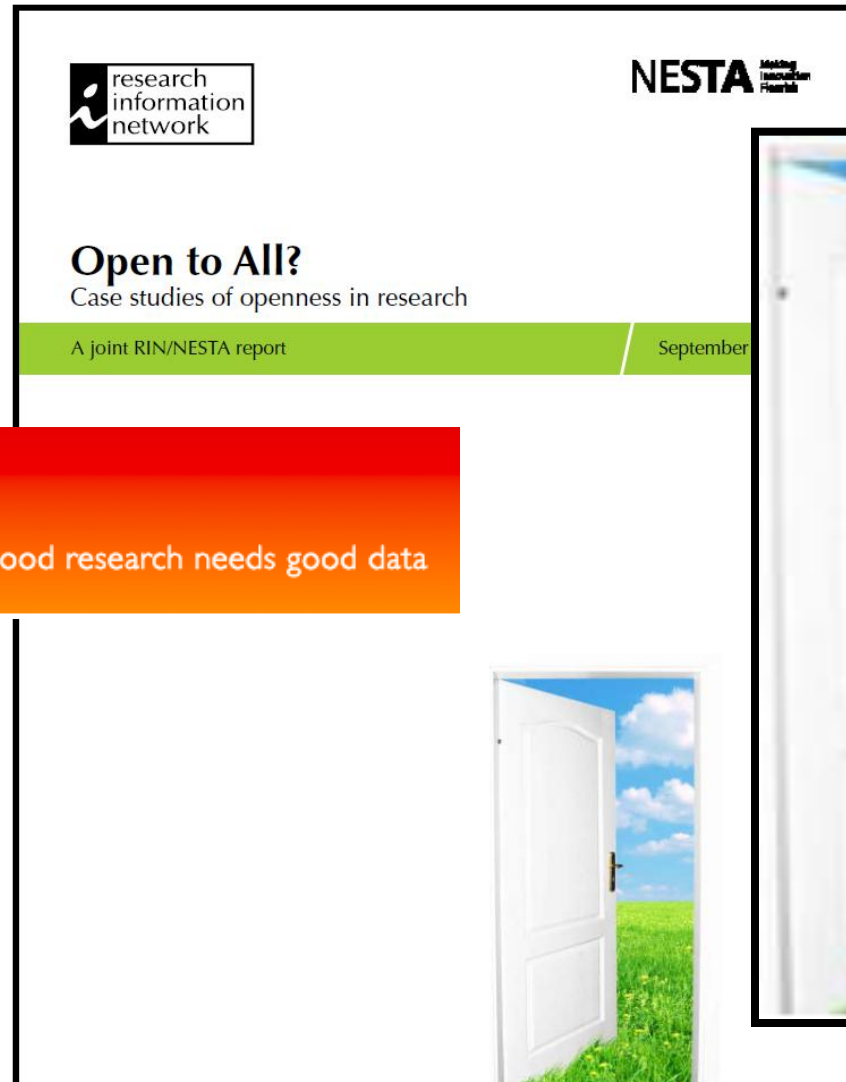
<http://escholarship.org/uc/item/0kr8s78v>

Diane Harley, Sophia Krzys Acord, Sarah Earl-Novell,

“... our findings suggest that enthusiasm for the development and adoption of technology should not be conflated with the hard reality of tenure and promotion requirements ...

“Experiments in new genres of scholarship and dissemination are occurring in every field, but they are taking place within the context of relatively conservative value and reward systems that have the practice of peer review at their core.”

UK case studies - what motivates researchers?





Data Dimensions: Disciplinary Differences in Research Data Sharing, Reuse and Long term Viability

A comparative review based on sixteen case studies

Key Perspectives Ltd

With a foreword and recommendations by Chris Rusbridge and Liz Lyon

<http://www.dcc.ac.uk/sites/default/files/documents/publications/SCARP-Synthesis.pdf>

http://www.parse-insight.eu/downloads/PARSE-Insight_D3-6_InsightReport.pdf

Insight into digital preservation of research output in Europe



Insight Report

Patterns of information use and exchange: case studies of researchers in the life sciences

A report by the Research Information Network and the British Library

November 2009

“There is a significant gap between how researchers behave and the policies and strategies of funders and service providers.”

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

Reinventing research?

Information practices in the humanities

- Speed and convenience
- Use whatever works
- Simplify and accelerate
- Digital deterrent?
- Hybrid researchers
- Frustration about lack of linking and incomplete digital archives
- Domain specialists development services



Libraries

Managing Research Information

Value

“the value of any library is inextricably linked to the values of the university”



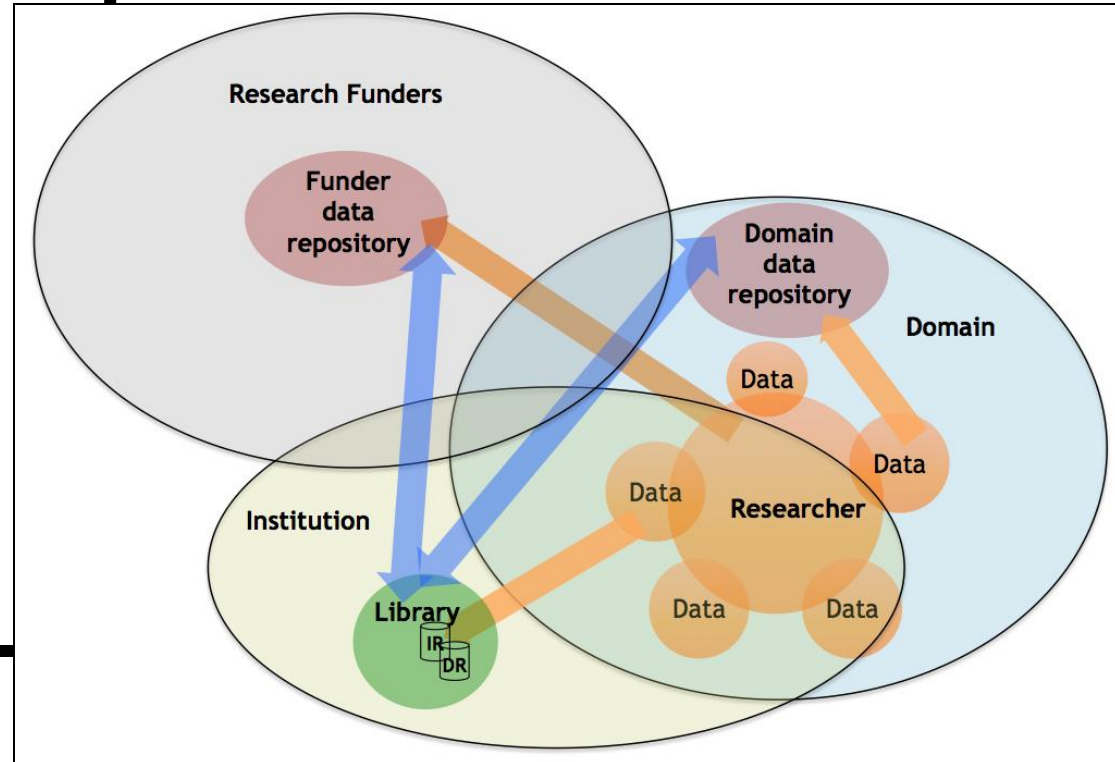
LIBER and OCLC Research

Exploring Library Roles in Data Curation in the Humanities and Social Sciences

Interim Report

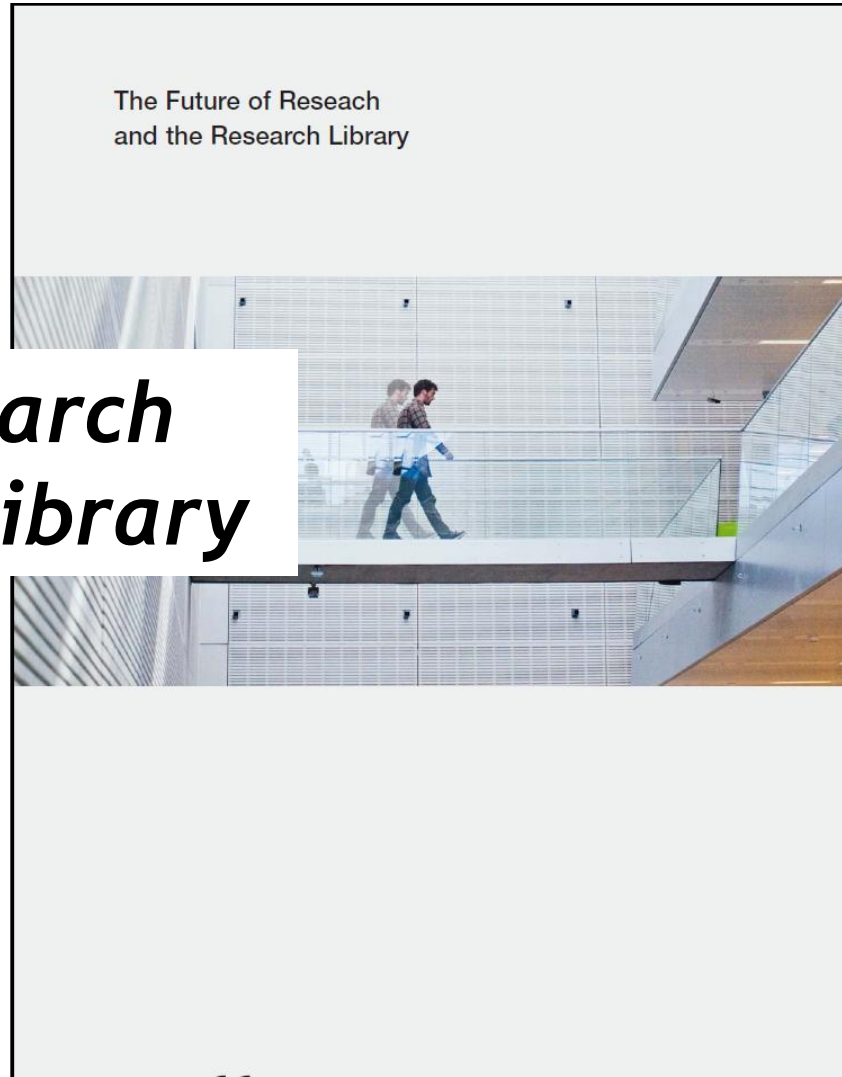
The OCLC Research Library Partnership & LIBER

January 2011



Denmark's Electronic Research Library (DEFF):

The Future of Research and the Research Library



http://www.bibliotekogmedier.dk/fileadmin/publikationer/rapporter_ovrige/deff/the_future_research/index.htm

Pondering...

Managing Research Information

Gaps?

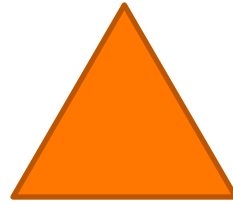
Infrastructure?

- Discipline-specific support, when desired?
- Discipline-specific repository provision, where needed?
- Name-disambiguation?
- Registries and terminologies?
- Metadata guardian/broker?

Tools and services?

- Pandora for articles?
- Scanning and OCR for lab notebooks?
- Data guru?
- Updating web pages...(blah)?
- Institute or cafeteria of research support services?

researcher



discipline

university

institution / individual

administrative support / scholarly support

institution-centered / discipline-centered

centralized / decentralized universities

services used / services desired

scientific / professional personas

shared / bespoke / duplicative services

funding structures and sources

Jennifer_Schaffner@oclc.org

**Thanks to John MacColl, Ricky Erway, Susan Kroll
Rick Forsman, Ian Rowlands, Michael Jubb, Jim
Michalko, Constance Malpas and my colleagues
in OCLC Research.**

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<http://www.rin.ac.uk/our-work/using-and-accessing-informationresources/patterns-information-use-and-exchange-case-studies>