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## University Research Enterprise and Your Library

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# University Research Enterprise and Your Library

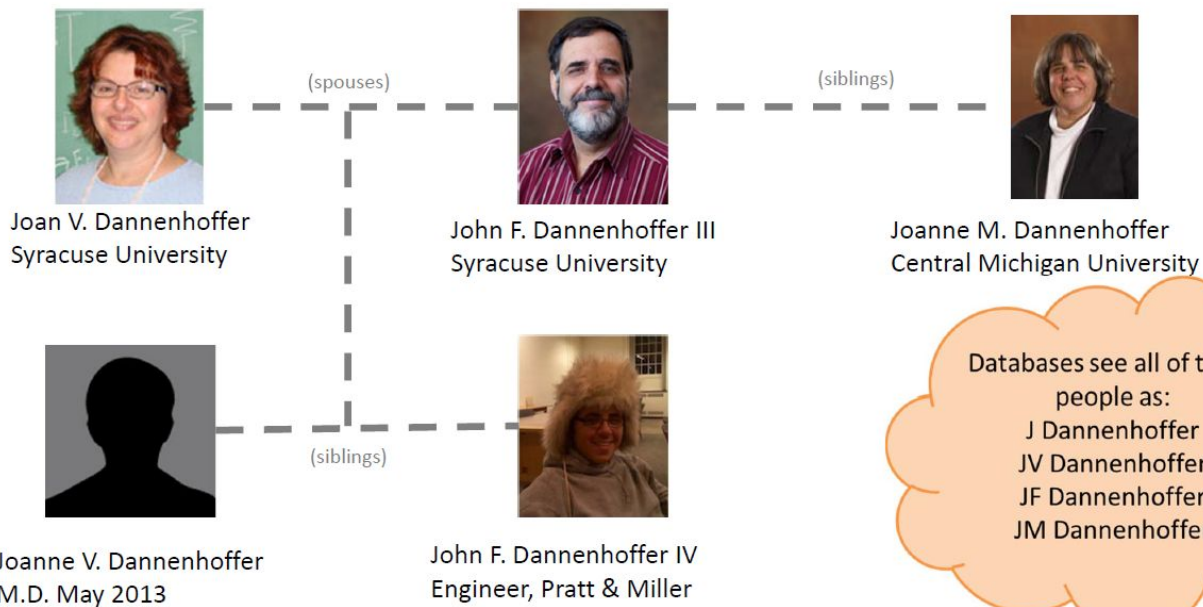
Anne Rauh, Syracuse University  
Jan Fransen, University of Minnesota

Why Libraries?

# Librarian Skills



# Author Disambiguation in Publications



# Additional Data Sources



## EBSCOhost

EBSCOhost databases are the most-used, premium online information resources for tens of thousands of institutions worldwide, representing millions of end users.



## Mendeley

Mendeley is a free reference manager and academic social network that helps scientist organize their research, collaborate with others online, and discover the latest research. It holds more than 20 million records.



## Web of Science

Web of Science cover a wide range of databases, which together holds more than 40 million records. The subject areas are primarily within the scope of natural sciences, though social sciences and arts and humanities also are covered, in a lesser scale.



## WorldCat.org

Search within many libraries at once, in 1.5 billion records for a.o. books, music CDs, videos, article citations with links to full text. Also includes authoritative research materials and digital versions of rare items that are not available to the public.



## Scopus

Scopus, an abstract and citation database, covers 22,000 titles from more than 5,000 international publishers. It contains over 56 million records from peer-reviewed research literature in the scientific, technical, medical, social sciences, and arts and humanities fields.



## PubMed

Contains more than 19 million records from MEDLINE and from medical scientific journals, dating back from 1948. PubMed contains links to full-texts, either from other databases or the journals' publishers. Content must be "E-pub ahead of print", before imported into Pure.



## CrossRef

A system developed by publishers in 2000, to ease linking between references in fulltext documents in online scholarly literature, on the publishers' websites. CrossRef uses DOI to transmit link information.



## ArXiv

arXiv is an open access database with full-text access and contains more than 650,000 e-prints. It covers the domains of physics, mathematics, computer science, quantitative biology, quantitative economy and statistics.

# Shared Responsibilities

# Syracuse University

## Office of Research

- Understanding of research infrastructure
- Queries from HR tables for profile updates
- Master profile list maintenance
- Data hierarchy structures

## Office of Sponsored Programs

- Understanding of funding landscape
- Data feeds from Sponsored Programs
- Promote the usage of the Funding Discovery module
- Promote networking to facilitate research growth

## Libraries

- Understanding of scholarly publishing
- XML support
- Hands-on training
- Scopus expertise
- API integration of other data sources (WorldCat, Web of Science, etc.)



- ▶ Need some entity on campus that
  - ▶ Understands the scholarly publication world
  - ▶ Knows how to curate and archive data
  - ▶ Has figured out how to implement standards so data are consistent
  - ▶ Has expertise in helping people search for and find what they need

WHO CAN HELP?



## Demonstrating the public impact of University of Minnesota research

Mark Engebretson - October 12, 2017

# University of Minnesota

## Libraries

- Understanding of research infrastructure
- Queries from HR tables for profile updates
- Master profile list maintenance
- Data hierarchy structures
- Data feeds from Sponsored Projects
- Pure->Oracle database for archive and reuse
- Understanding of scholarly publishing
- XML support
- Hands-on training
- Scopus expertise
- On-demand reporting
- Front-line support via email
- Outreach to other campus units
  - Data reuse
  - Optimizing profiles

# University of Minnesota

Libraries

Research office  
(OVPR)

Institutional  
Research

Human  
Resources

Faculty & Academic  
Affairs

Information  
Technology

Department staff

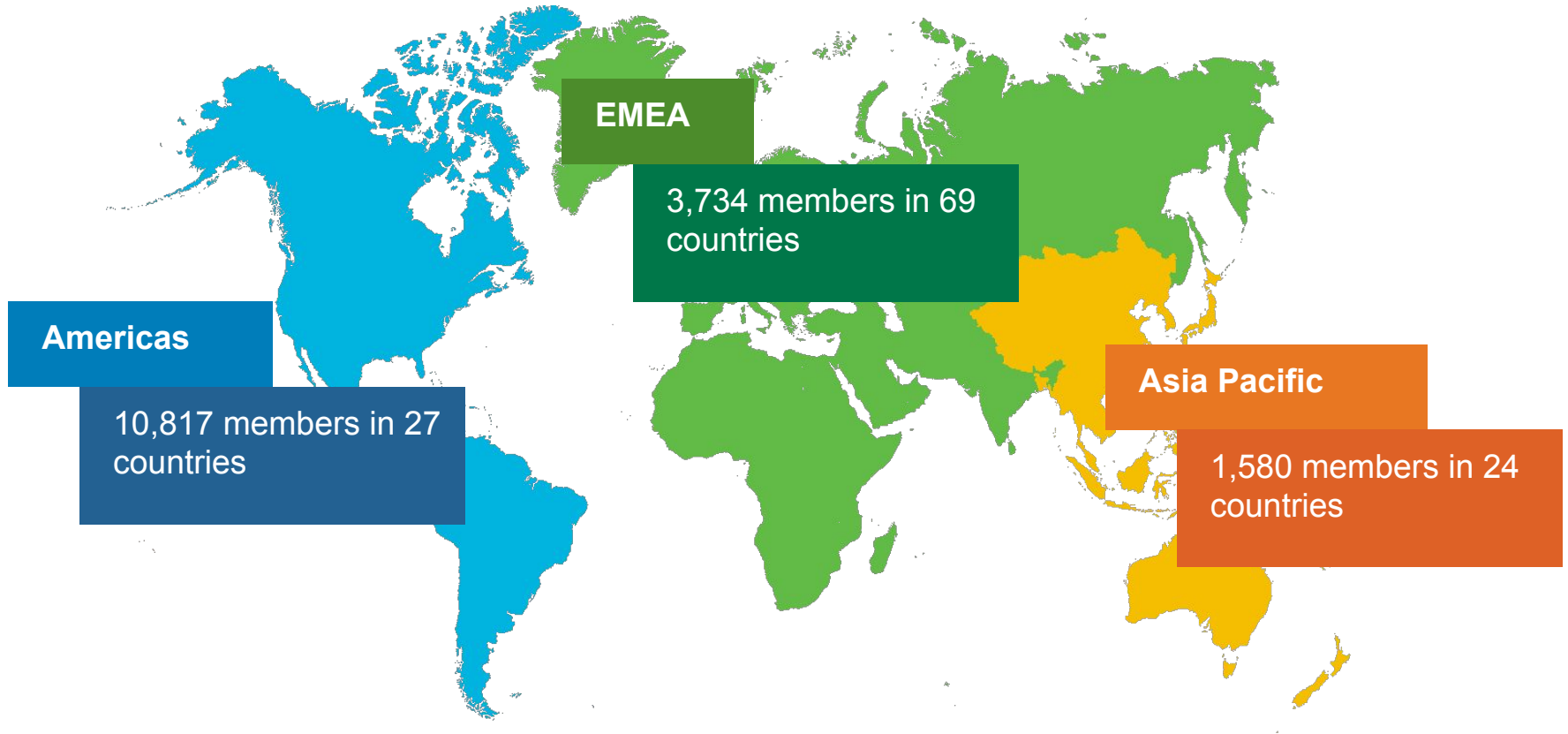
College  
College  
College  
staff

Center staff

U Relations

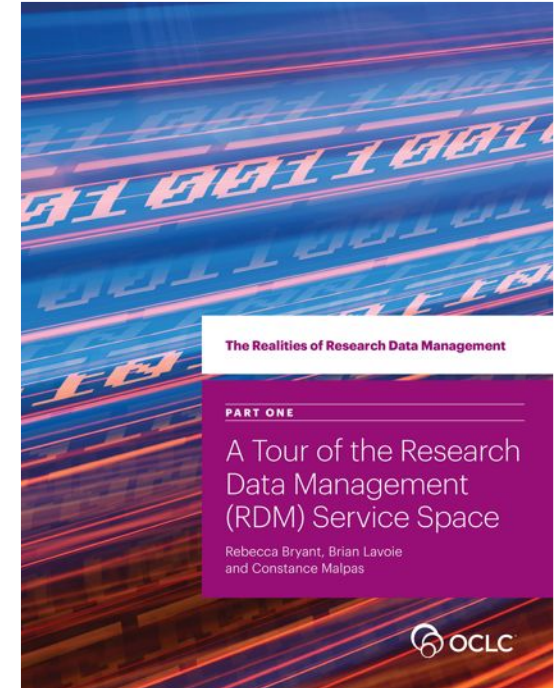
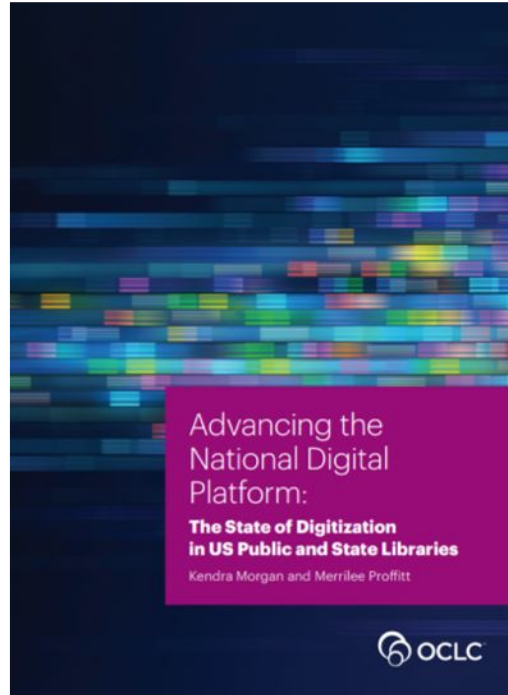
OCCLC Research Library Partnership  
RIM Working Group

# International Involvement through OCLC



# OCLC Research

- Division of OCLC
- Devoted to challenges facing libraries and archives since 1978
- Community resource for shared Research and Development (R&D)
- Engagement with OCLC members and the community around shared concerns



# OCLC Research Library Partnership (RLP)

- ~150 research libraries worldwide
- Facilitates collaboration, research, & sharing across member institutions & with OCLC Research
  - Working groups
  - Research reports
  - Webinars
  - Consultations & events
- [www.oclc.org/research/partnership.html](http://www.oclc.org/research/partnership.html)



# Position Paper: Research Information Management: Defining RIM and the Library's Role

Forthcoming Paper, October 18 2017

- Rebecca Bryant, OCLC Research
- Anna Clements, University of St Andrews
- Carol Feltes, Rockefeller University
- David Groenewegen, Monash University
- Simon Huggard, La Trobe University
- Holly Mercer, University of Tennessee, Knoxville
- Roxanne Missingham, Australian National University
- Maliaca Oxnam, University of Arizona
- Anne Rauh, Syracuse University
- John Wright, University of Calgary

More information at:  
[oclc/rim](https://oclc.org/rim)

# Survey on Global RIM/CRIS Practices

Launches this week, open until January. Results to be published in 2018.

- Rebecca Bryant, OCLC Research
- Pablo de Castro, University of Strathclyde
- Anna Clements, University of St Andrews / euroCRIS
- Jan Fransen, University of Minnesota, Twin Cities
- Constance Malpas, OCLC Research
- Michele Mennielli, DuraSpace / euroCRIS
- Rachael Samberg, University of California, Berkeley
- Julie Speer, Virginia Tech University

Survey data will be published by CC-BY



euroCRIS  
Current Research Information Systems

## 2017 Survey on Research Information Management Practices

### Introduction & goals

This study surveys research universities and institutions worldwide on their practices related to research information management. Broadly defined, research information management (RIM) is the aggregation, curation, and utilization of information about institutional research activities. This survey represents an effort to better understand how research institutions globally are applying research information management practices. Research information management practices may include, but are not limited to:

- the creation of an institutional registry of all research outputs, outcomes and impact
- awards/grants management
- faculty activity reporting workflows
- publicly available researcher expertise profiles

We are particularly interested in the developing role of libraries in supporting research information management.

The descriptive language for RIM is highly regional. European institutions have consistently called these systems Current Research Information Systems (CRIS) or Research Information Systems (RIS). In other locales, particularly in North America, terminology such as Research Profiling System (RPS) and Research Networking System (RNS) are in more common use.

This survey is NOT a study of data curation or research data management practices, which are the activities around the creation, management, and preservation of datasets generated during the course of scientific research.

This study is being conducted by [OCLC Research](#) in collaboration with OCLC Research Library Partnership institutions and [EuroCRIS](#). It expands upon [previous survey research](#) by EuroCRIS, the International Organization for Research Information, and [EUNIS](#), the European University Information Systems Organization, which examined the relationship between CRIS systems and institutional repositories in Europe.

# Survey goals

This survey will help us understand and report on the state of RIM activities worldwide, and it seeks answers to the following questions:

- Why have institutions adopted--or are considering adopting--RIM infrastructures? What are the principal drivers?
- How are institutions using RIM functionality? What are the principal uses?
- Who are institutional stakeholders, and what, in particular is the role of libraries?
- What processes and systems are in use? How do they interoperate with internal and external systems? What is the scope?
- What are regional and international differences in drivers, uses, and processes?

# Survey seeks input from institutions at all stages of RIM adoption

Please choose the status that best describes your institution's research information management (RIM) implementation stage.

- Live Implementation:** Currently live with RIM system and service made publicly visible to campus stakeholders
- In the process of implementing:** A decision has been made on which RIM system to use; contracts are signed. The system is not yet operational.
- Procurement Process:** In the procurement process - in the process of evaluating specific systems under consideration
- Exploring:** Defining system requirements and comparing available options
- Not considering:** Not considering a RIM system at this time

# Why?

We want to identify the different drivers for RIM adoption worldwide

## RIM STATUS & DRIVERS

1. Please indicate the importance of the following reasons for pursuing research information management (RIM) activities.

	Extremely Important	Important	Somewhat Important	Not Important	N/A or Not Sure
Managing annual academic activity reporting	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Supporting expertise discovery	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Supporting institutional compliance (e.g., funder mandates, national assessment exercise like REF or ERA, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Supporting institutional reputation and strategic decision making	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Improving services for researchers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Recording institutional research facilities and their use	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

# How?

We want to understand how institutions are USING RIM functionality

## RIM FUNCTIONALITY

### 3. How important are the following functions of RIM at your institution?

	Extremely Important	Important	Somewhat Important	Not Important	N/A or Not Sure
Registry of institutional research outputs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Publicly available researcher profiles	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Impact reporting	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
External (e.g., National) research assessment	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Internal reporting	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Annual academic activity reporting workflows	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Awards/grants management workflows	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Compliance and open access to publications	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Compliance and open access to research datasets	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Reuse (in CVs, biosketches, other web pages)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Identifying collaborators or expertise	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

# What?

## Processes, systems, interoperability & scope

- System(s) in use & when implemented
- Interoperability with internal & external systems
- Sources of publications metadata
- Use of persistent identifiers & vocabularies
- Which campus populations are included in the RIM?
- All disciplines?
- How many researchers are included?



# Who?

## Stakeholders & collaborators

- Who are the institutional stakeholders involved in RIM adoption?
- What's the specific role of the library?
- Staff resources?
- Outreach & education activities?
- Measures of success?

# Who should participate?

- Universities, research institutes, and other organizations supporting research and research management
- Institutions should participate regardless of status of RIM implementation
  - In production
  - In process of implementation
  - Exploring RIM options
- **ONLY ONE survey per institution**

# Survey Timeline

- Survey launches October 18
  - Spanish language coming November, thanks to CONCYTEC
  - Closes mid-January
- Survey results will be published in 2018 as an OCLC Research report and made openly available to the community. Survey data will be published CC-BY.

To learn more and complete the survey for your institution: [oclc.org/rim](https://oclc.org/rim)