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Preliminary findings from the global Survey of Research Information Practices

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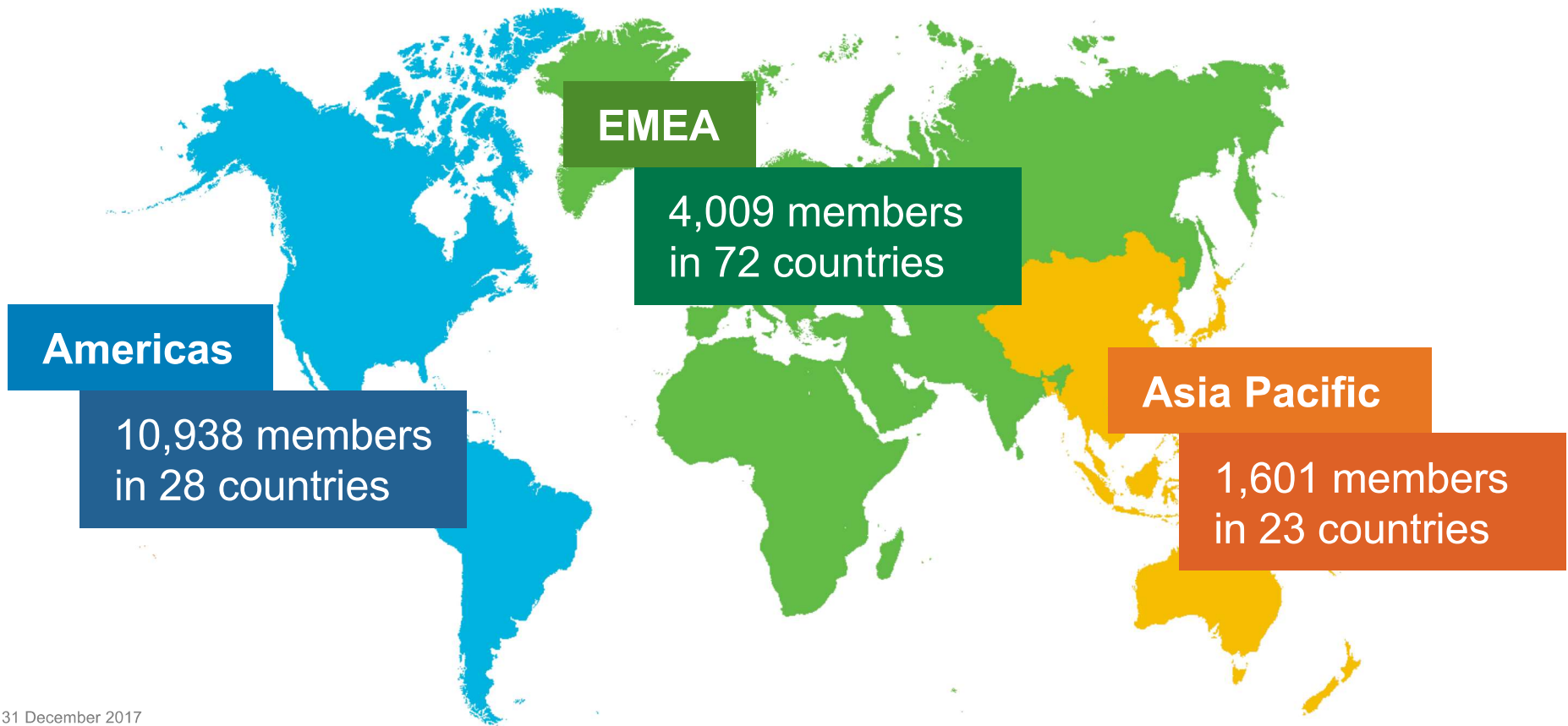
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Today's talk

- Introducing OCLC Research, euroCRIS and their collaboration
- Discuss joint Survey of Research Information Management Practice: goals, scope, aims
- Share and discuss preliminary survey results and findings

OCLC: A global network of libraries



As of 31 December 2017



- 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**
- **Learn more**
 - oclc.org/research
 - [Hangingtogether.org](https://hangingtogether.org) blog

OCLC Research Library Partnership (RLP)



- **~150 research libraries worldwide**
- **Facilitates collaboration, research, & sharing across member institutions & with OCLC Research**

• oclc.org/rfp

Research Information Management

OCLC RESEARCH POSITION PAPER

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

Rebecca Bryant
OCLC Research (US)

Anna Clements
University of St. Andrews (UK)

Carol Feltes
Rockefeller University (US)

David Groenewegen
Monash University (Australia)

Simon Huggard
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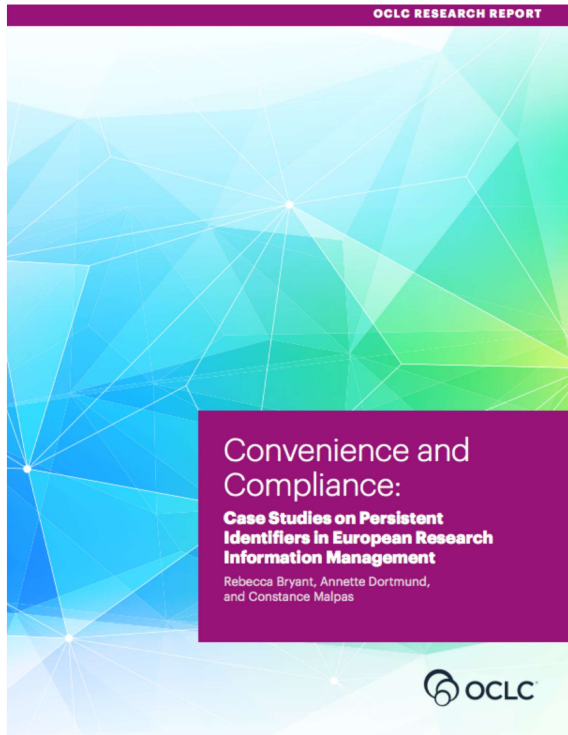
Maliaca Oxnam
University of Arizona (US)

Anne Rauh
Syracuse University (US)

John Wright
University of Calgary (Canada)




OCLC RESEARCH REPORT



Convenience and Compliance:
Case Studies on Persistent Identifiers in European Research Information Management

Rebecca Bryant, Annette Dortmund, and Constance Malpas



Survey of Research Information Management Practices

(report coming 2018)

euroCRIS
Current Research Information Systems



oc.lc/rim

What is Research Information Management (RIM)?

The aggregation, curation, & utilization of metadata about research activities

Overlapping terms:



- CRIS (Current Research Information System)
- RIS (Research Information System)
- RNS (Research Networking System) RPS (Research Profiling System)
- FAR (Faculty Activity Reporting)



An international not-for-profit association founded in 2002 to bring together experts on research information in general and research information systems (CRIS) in particular



euroCRIS in a nutshell

Mission

To promote **cooperation** within and share **knowledge** among the research information community and **interoperability** of research information through **CERIF**

CERIF

Development and governance of the CERIF data model and CERIF XML:

Common European Research Information Format

Task Groups

- 1) CERIF & CRIS Architecture
- 2) Standards
- 3) Best Practice/ Directory of Res Info Systems (DRIS)
- 4) CRIS-IR
- 5) Indicators/ Impact

Events

Strategic Membership Meetings
(twice a year)

&

Conferences
(every 2 years)

The importance of CERIF

An international open standard relational data model for storage and interoperability of research information

Official EU Recommendation to Member States

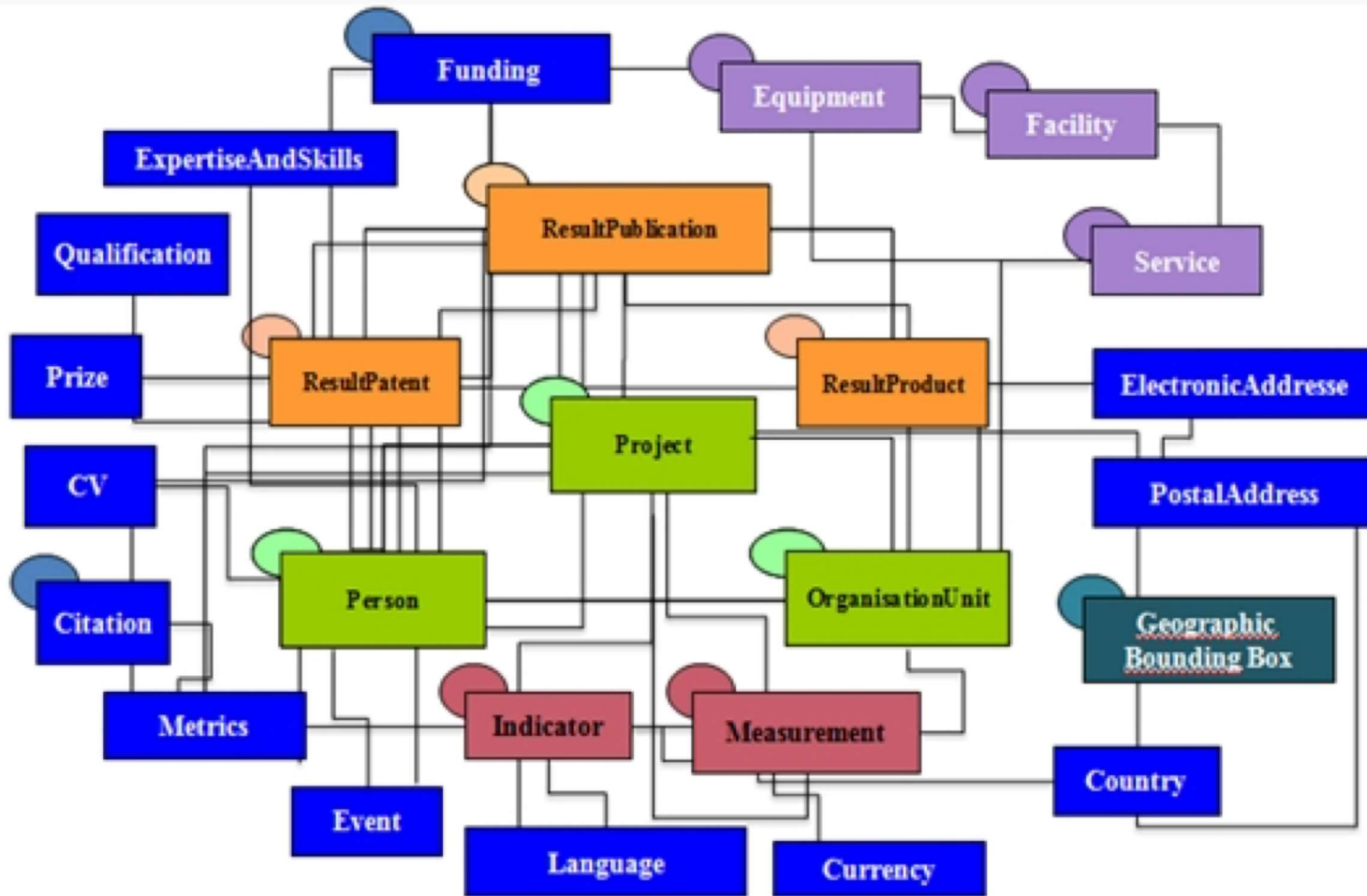


Standard exchange format (CERIF-XML) for interoperability between systems

Reference model for the development of Research Information Systems (CRIS)



CERIF covers the research landscape



Fostering system interoperability

The International Organisation for Research Information

The CERIF logo is located in the top right corner of the slide. It consists of the word "CERIF" in a bold, purple, sans-serif font, positioned above a stylized globe graphic.

Projects

euroCRIS is currently participating in various international projects. These include some EU-funded projects. On top of this, funding has recently been secured for the OpenAIRE-supported METIS2OpenAIRE project.

Ongoing projects

METIS2OpenAIRE (2018-02-01 to 2018-05-15)

The METIS2OpenAIRE has been awarded funding under the end-of-2017 [OpenAIRE call for tenders](#). The project, funded in the category of 'Repository Tools and Services', sets out to make a first institutional CRIS system compatible with the [recently released updated version \(v1.1\)](#) of the CERIF-XML OpenAIRE Guidelines for CRIS Managers. This work to enhance system interoperability will first and foremost be carried out on the [METIS CRIS](#) at Radboud University Nijmegen in the Netherlands. In order to ensure a widespread adoption of the new OpenAIRE Guidelines, the project is also working with two external, budget-neutral partners that have committed to its implementation on their respective solutions: these are [Pure](#) and [OMEGA-PSIR](#)

Jisc Research Data Shared Service (RDSS)

Collaboration with the [Jisc RDSS project](#) for the CERIFICATION of the underlying data model. The Jisc RDSS aims to enable researchers to easily deposit data for publication, discovery, safe storage, long term archiving and preservation. euroCRIS is teaming up with the Jisc in order for the RDSS solution to achieve the maximum possible degree of system interoperability that will allow the service to interact with a wide range of external services and platforms including CRIS systems.

More info at www.eurocris.org or join the conversation at www.CRIS2018.se



euroCRIS
Cross-Research Information Systems

[About the event](#) [Travel](#) [Accommodation](#) [Call for papers](#) [Organisation](#)

CRIS2018

Umeå, Sweden - June 13 - 16

FAIRness of research information

[Registration](#)

[Call for papers](#)

RIM Survey: building on previous work

CRIS/IR Survey Report



<http://www.eunis.org/blog/2016/03/01/crisir-survey-report/>

<http://www.eunis.org/wp-content/uploads/2016/03/cris-report-ED.pdf>

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Survey of Research Information Management Practices

- Joint project between



- Survey Goals

- To collect data about RIM practices worldwide, in order to identify national and regional practices
 - To gather evidence on the increasing role played by research libraries in RIM practices
 - To inform the research community about the goals, purposes, and scope of RIM practices
 - To examine and report on the institutional stakeholders, workflows, interoperability, and standards in use.
 - To serve as a foundation for future research.
- Report expected in 2018

RIM Survey Working Group members

Rebecca Bryant, PI, OCLC Research

Pablo de Castro, Strathclyde University and euroCRIS

Anna Clements, University of St. Andrews and euroCRIS

Annette Dortmund, OCLC EMEA

Jan Fransen, University of Minnesota, Twin Cities

Muhammed Javed, Cornell University

Constance Malpas, OCLC Research

Michele Mennielli, DuraSpace and euroCRIS

Maliaca Oxnam, University of Arizona

Rachael Samberg, University of California-Berkeley

Julie Speer, Virginia Tech

Plus a number of valuable collaborators at OCLC

Methodology & promotion

- Online survey data collection: Oct 2017 – Jan 2018
 - English and Spanish versions
- Survey promotion through:
 - OCLC and euroCRIS communications channels and events worldwide
 - Communications by CRIS vendors and user communities
 - Listservs, social media, and announcements to research & library organizations

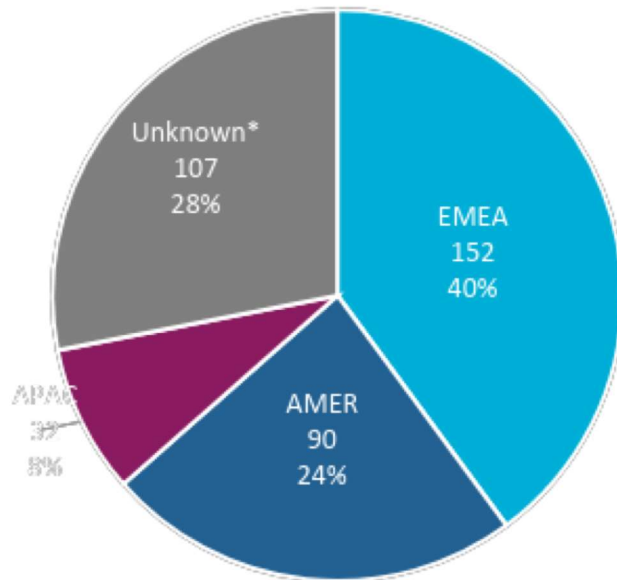
Known limitations

- Inherent difficulties of evaluating RIM practices internationally—with differences in practices, terminology, maturity, and local or national scope
 - This may have inadvertently limited the response of national/regional CRIS or funder systems
 - Absence of libraries in national/regional CRISs—in part because of our outreach and interest in library engagement
- Large, but fairly heterogeneous sample
 - Resulting sub-samples may be too small for significance
- Specific advocacy bias inevitably skews results (e.g., in favour of specific vendors and countries)
- Survey fatigue

RIM Survey responses: geographic overview

381 survey respondents from 44 countries

Respondents by Region
(n=381)



Country	# Resp.	Country	# Resp.
United Kingdom	39 (10%)	Canada	4 (1%)
United States	39 (10%)	South Africa	4 (1%)
Peru	39 (10%)	Andorra	3 (1%)
Italy	28 (7%)	Colombia	3 (1%)
Australia	24 (6%)	Finland	3 (1%)
Germany	14 (4%)	India	3 (1%)
Netherlands	10 (3%)	Japan	3 (1%)
Portugal	7 (2%)	Austria	2 (0.5%)
Poland	6 (2%)	Bahrain	2 (0.5%)
Spain	6 (2%)	China	2 (0.5%)
Belgium	5 (2%)	Denmark	2 (0.5%)
Ireland	5 (2%)	New Zealand	2 (0.5%)

1 respondent from each of the following countries: Afghanistan, Albania, Azerbaijan, Barbados, Belize, Brazil, Hungary, Lebanon, Mexico, Namibia, Russia, Saudi Arabia, Slovakia, Sri Lanka, Sweden, Trinidad and Tobago, Turkey, Uganda, United Arab Emirates and Uruguay



Geographic distribution of responses: some findings

- Widest insight ever on the degree of RIM practice implementation
- RIM is practised worldwide, with European representation by far the strongest
- Slightly biased results arising from specific advocacy patterns
- Remarkable differences with previous EUNIS/euroCRIS survey results
 - Particularly the absence of Norwegian responses

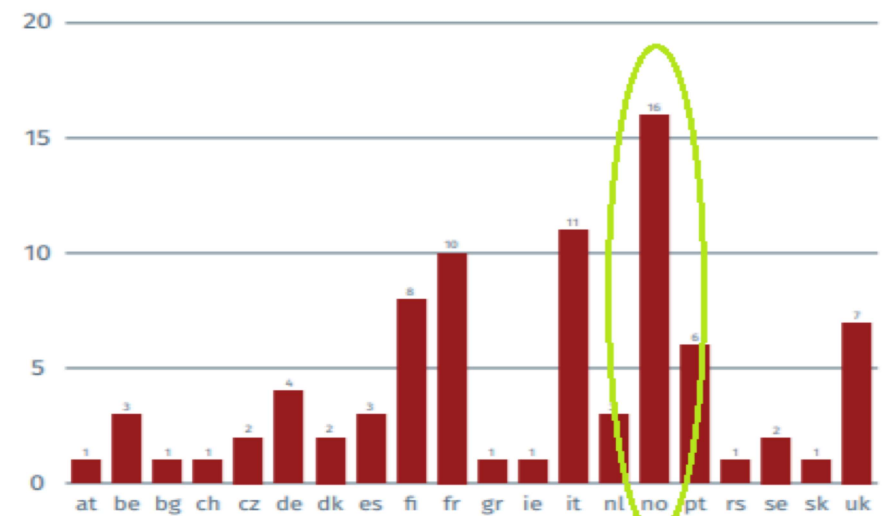
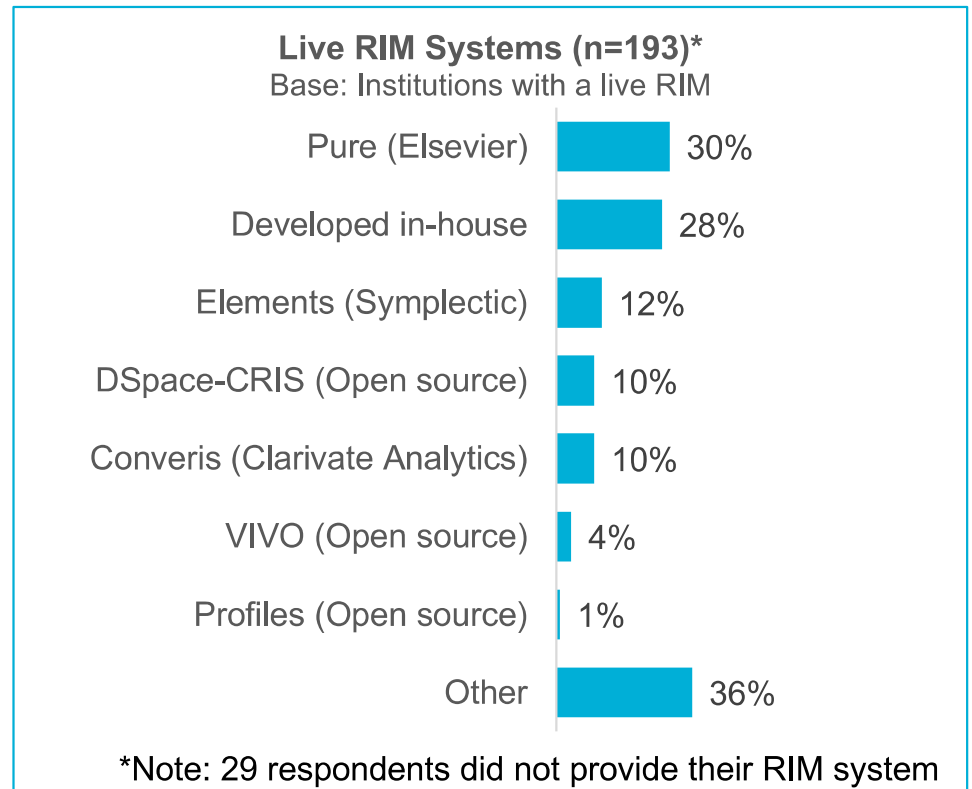
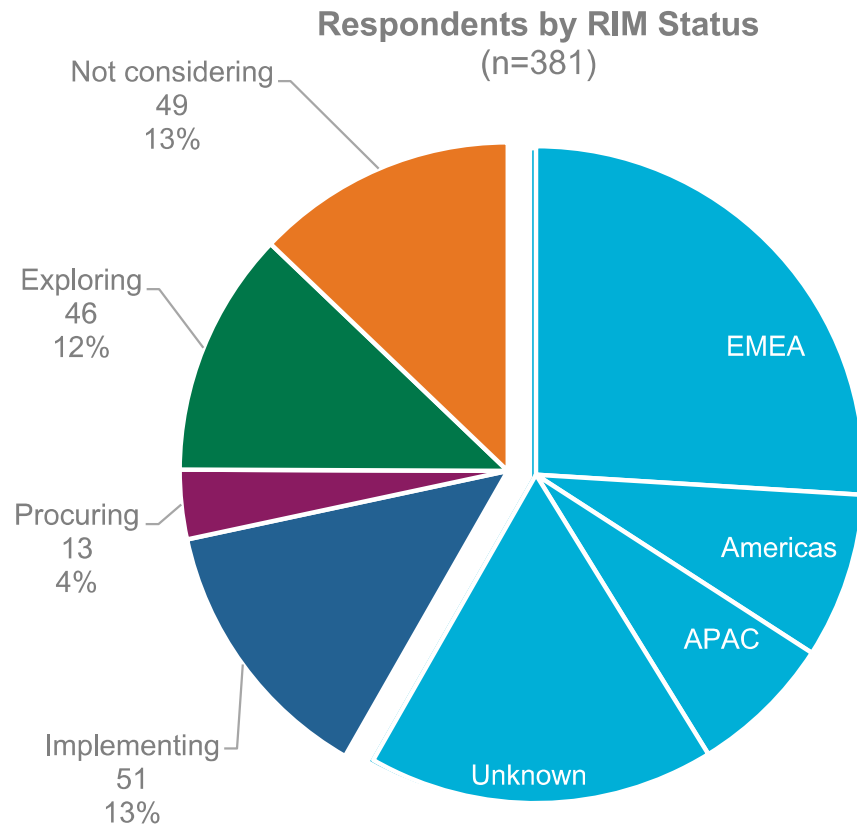


TABLE1: GEOGRAPHIC DISTRIBUTION OF RESPONDENTS

Research Information Management Systems

Well over half (58%) have a live RIM System



RIM System Distribution: findings

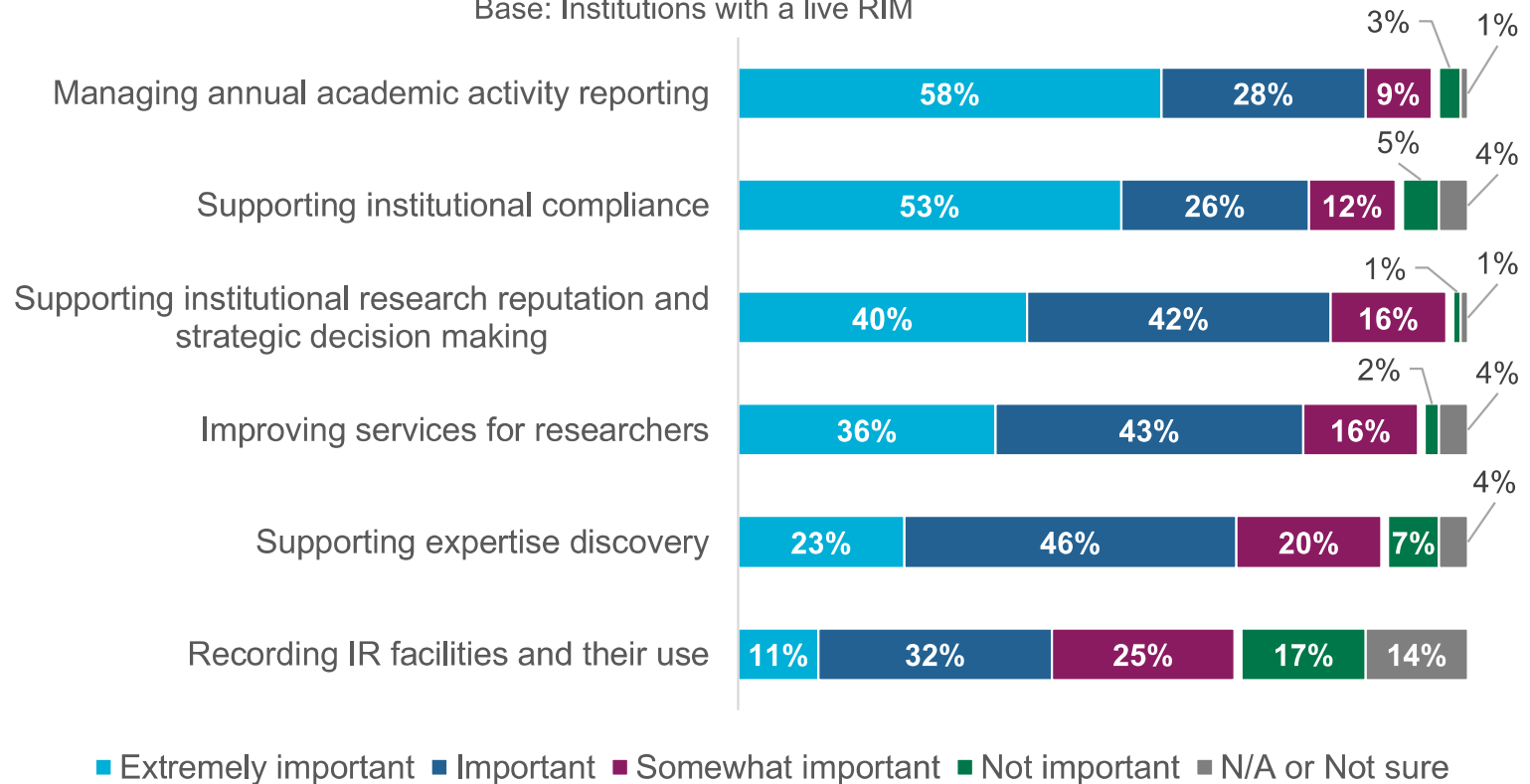
- Note that we invited research institutions at any stage of RIM adoption to participate
 - Reveals a quickly shifting landscape, with many institutions currently exploring RIM
 - > 200 institutions with an active RIM provides a significant sample
 - More synthesis may reveal regional differences
- Diversity of RIM systems in use
 - Elsevier Pure and locally-developed systems have highest adoption
 - The “Other” category is also significant, featuring entries like IRIS (Italy), ResearchMaster (Aus/NZ), OMEGA-PSIR (Poland), InfoEd

DRIVERS—WHY RIM?

Reporting and compliance drive RIM adoption

Importance of Reasons for Pursuing RIM Activities (n=222)

Base: Institutions with a live RIM

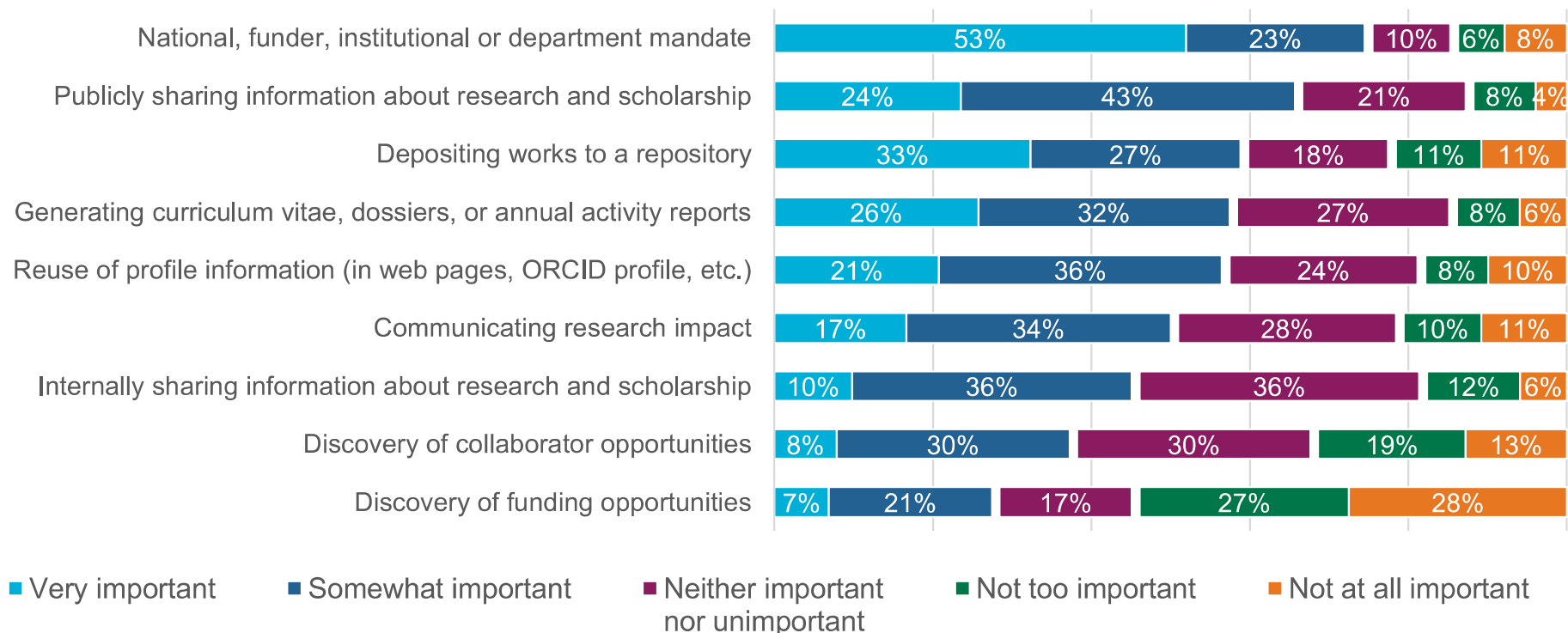


by [OCLC Research CC BY 4.0](https://creativecommons.org/licenses/by/4.0/) Research Information Management (RIM) Systems: International Survey of Libraries, preliminary results (2018)

Mandates: Very important incentive for *researchers* to use RIM

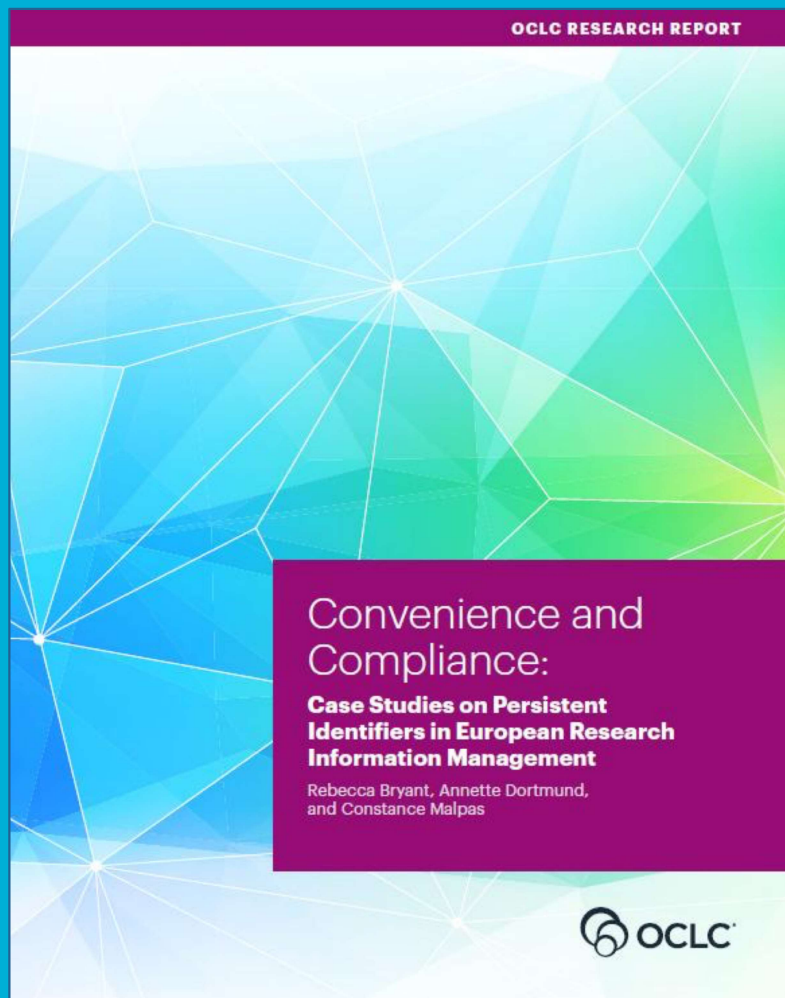
Importance of Incentives for Researchers to use RIM (n=154)

Base: Institutions with a Live RIM



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Convenience and Compliance



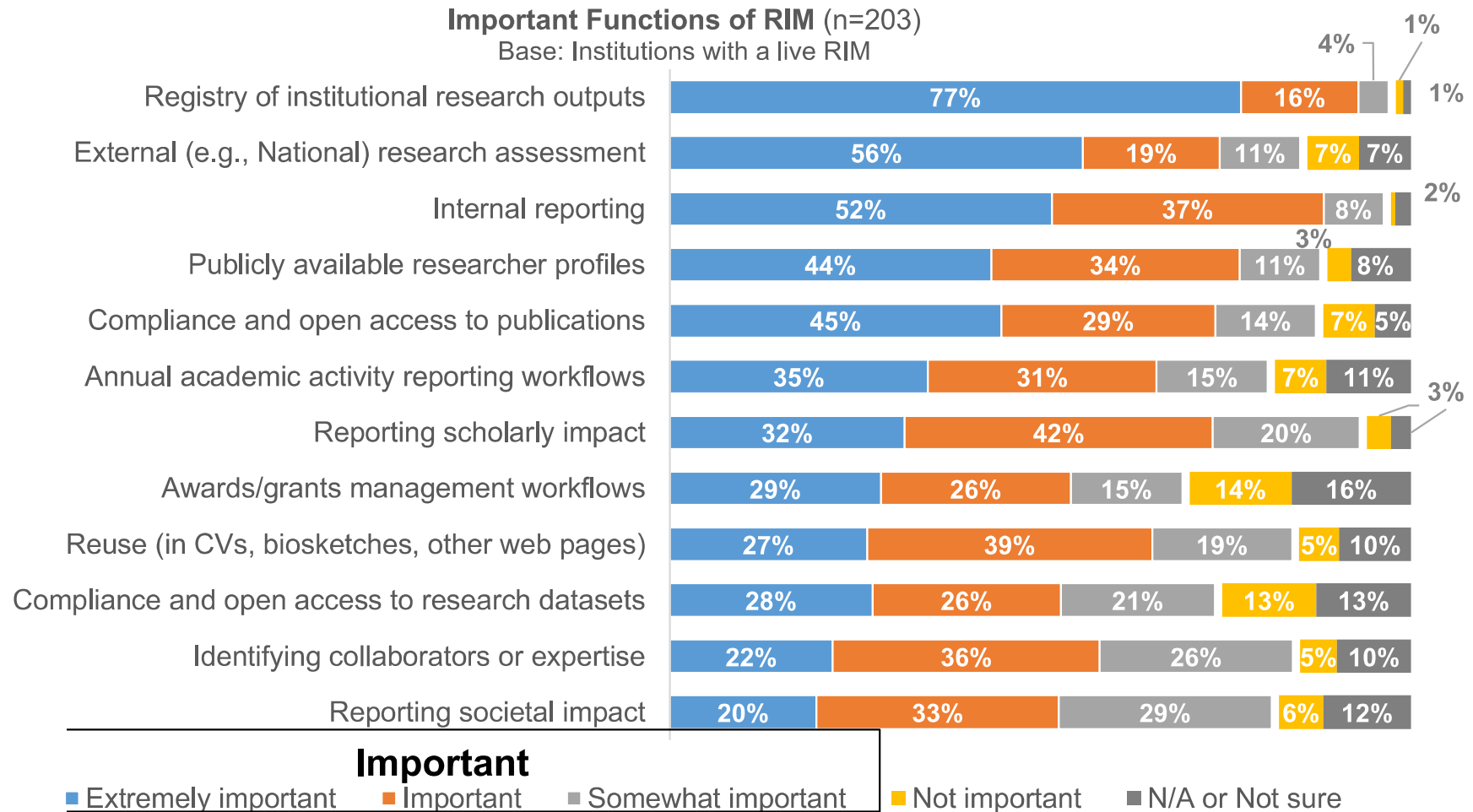
- Collaborative project between



- Case studies on adoption of persistent identifiers in RIM infrastructures
 - Finland
 - Germany
 - The Netherlands

RIM uses

Several different RIM functions reported

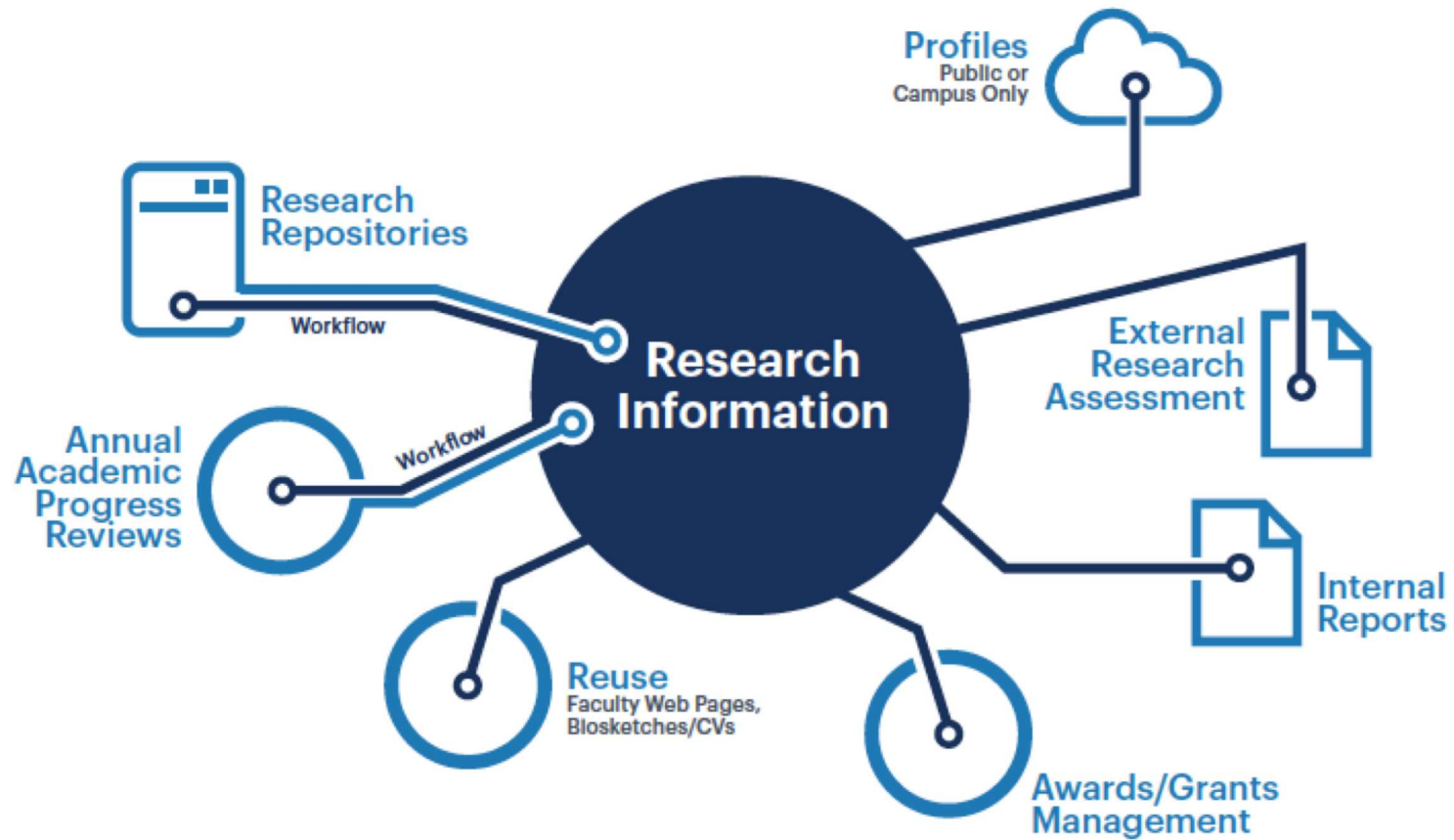


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Findings: RIM uses

- The majority of respondents report that their RIM is valuable as a registry of the institution's research outputs
- We can also see that institutions are using their RIM for *multiple* uses
 - External & internal assessment are among the most important (and unsurprising)
 - Managing OA compliance is also important
 - Supporting the discovery of potential research collaborators is less important
- We are eager to learn more about regional differences

RIM Uses



“RIM Uses” by [OCLC Research](#), from *Research Information Management: Defining RIM and the Library’s Role* (doi.org/10.25333/C3NK88), [CC BY 4.0](#)

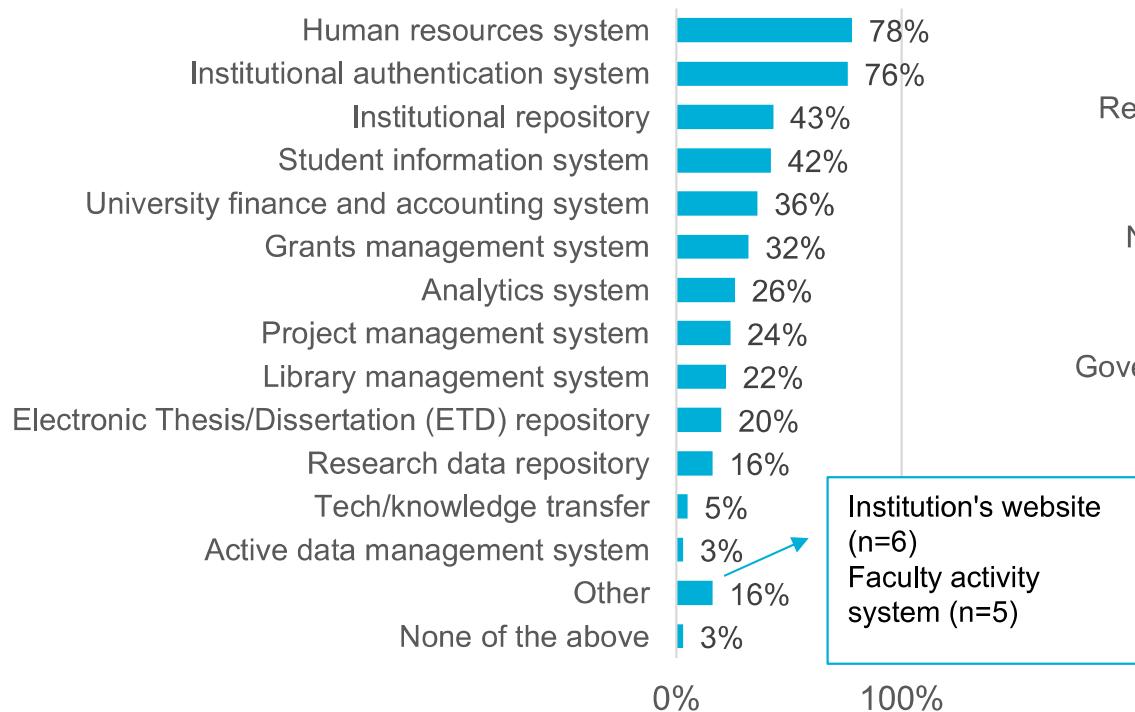
HOW

RIM interoperates with multiple internal and external systems

Internal Systems that Interoperate with your RIM (n=184)

Base: Institutions with a live RIM

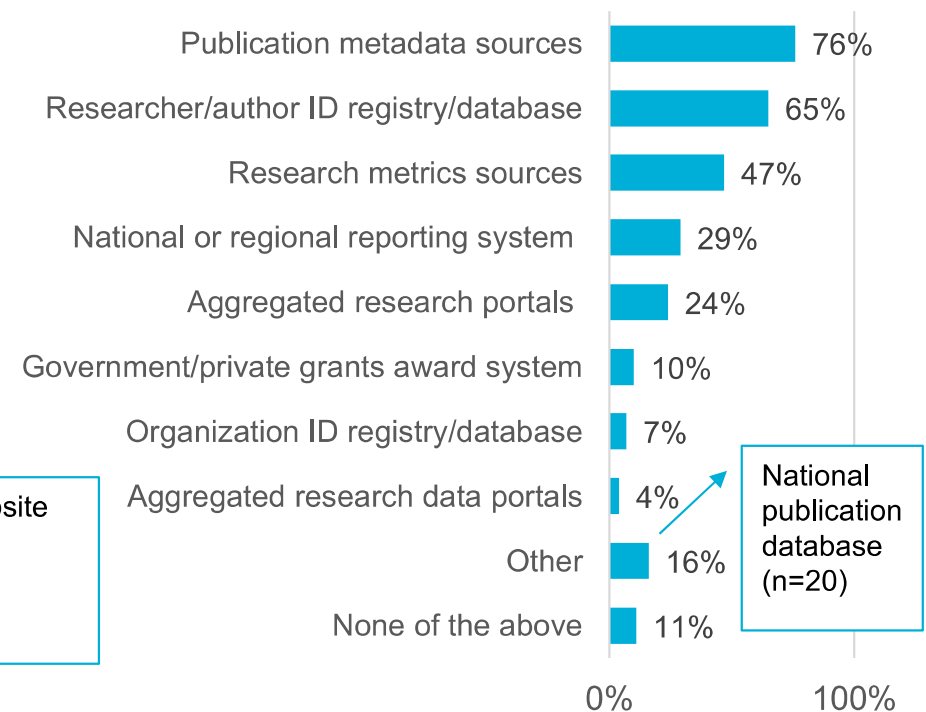
Note: Respondents could select more than one answer



External Systems that Interoperate with your RIM (n=178)

Base: Institutions with a live RIM

Note: Respondents could select more than one answer

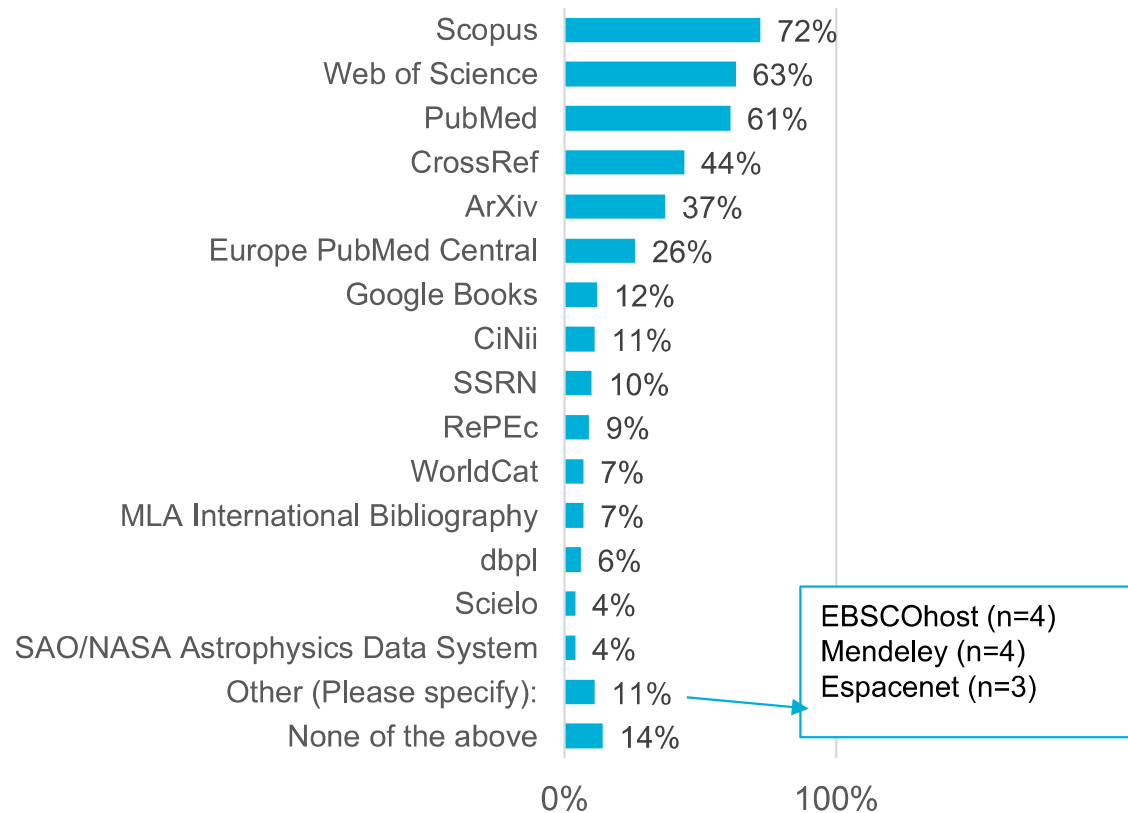


Top Bibliographic Metadata Sources for RIM

Publication Metadata Sources that Populate your RIM (n=185)

Base: Institutions with a live RIM

Note: Respondents could select more than one answer



Some summary findings

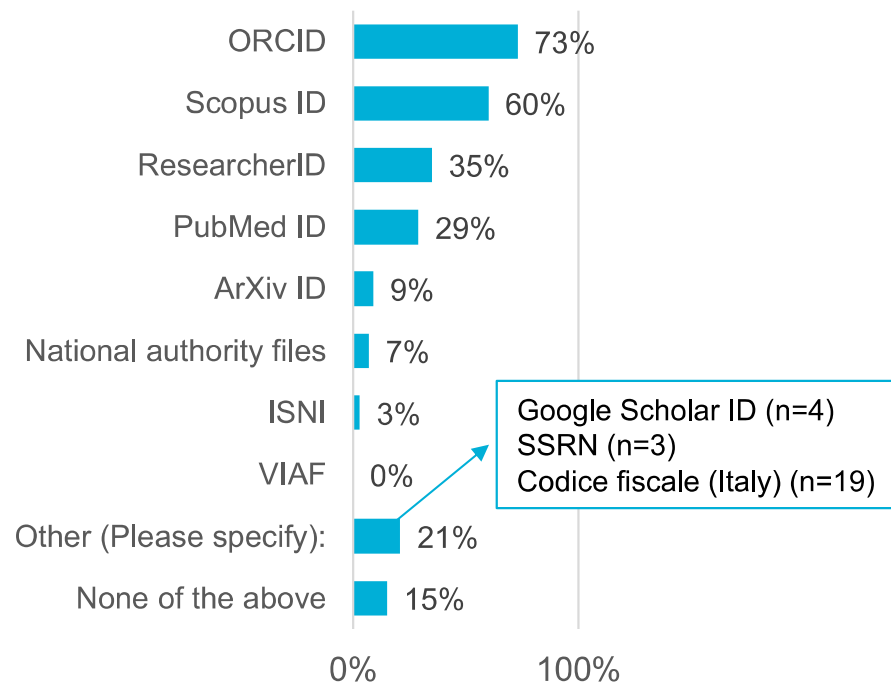
- Fairly high degree of RIM system interoperability with other institutional systems – including IRs
- Significant workflows for funding information exchange both internally and externally
- Institutions leverage **publications metadata harvesting**
- Extensive integration of **person identifiers like ORCID** into RIM systems
- OrgID implementation remains very low (but worth a follow-up sometime in the near future)
- Nearly 50% now include externally-sourced bibliometrics

Person & organizational identifiers in RIM

Researcher Identifiers Used in Your RIM (n=182)

Base: Institutions with a live RIM

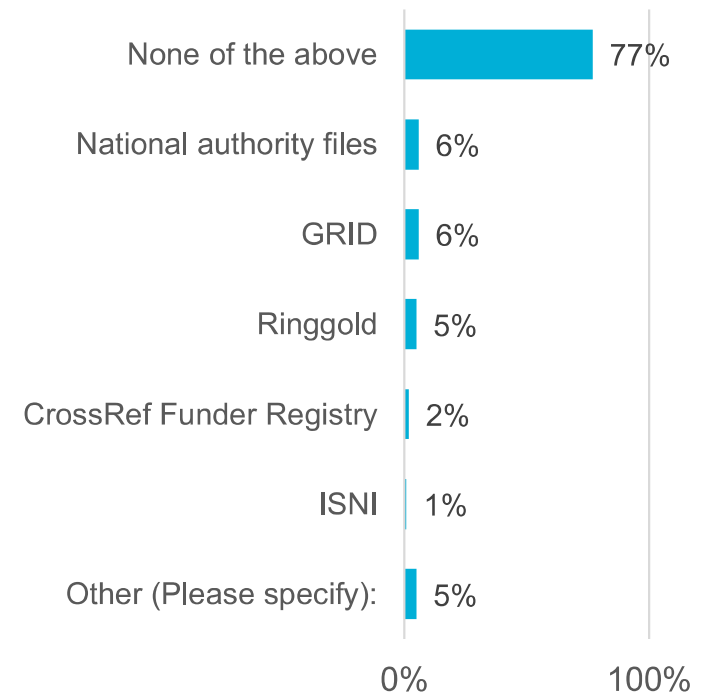
Note: Respondents could select more than one answer



Organization Identifiers Used in Your RIM (n=162)

Base: Institutions with a live RIM

Note: Respondents could select more than one answer

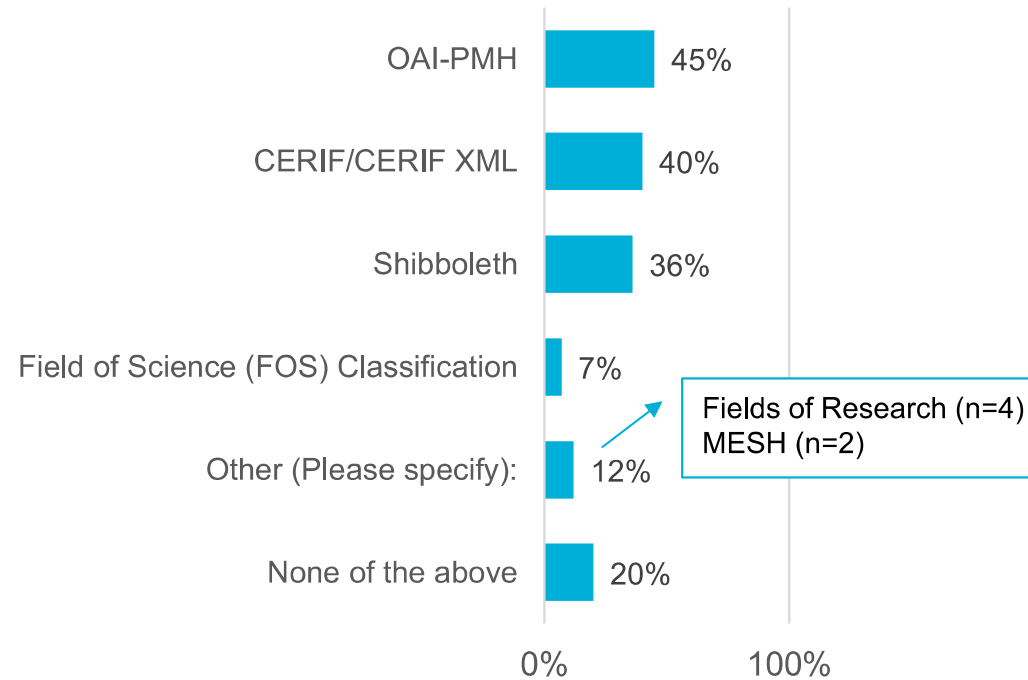


Protocols/Standards/Vocabularies in use

Protocols/Standards/Vocabularies RIM Relies On (n=169)

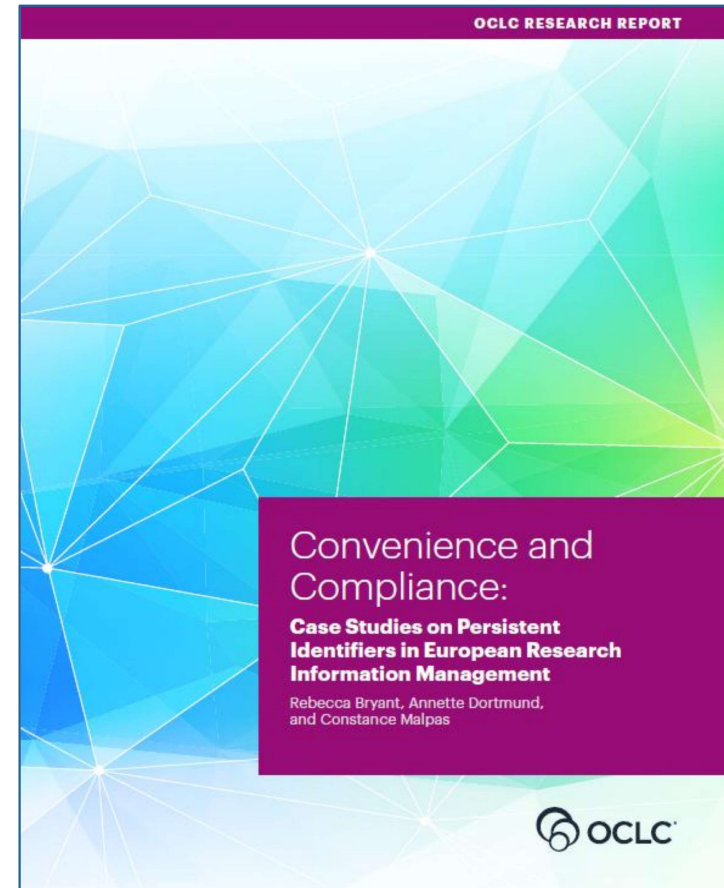
Base: Institutions with a live RIM

Note: Respondents could select more than one answer



Some summary findings

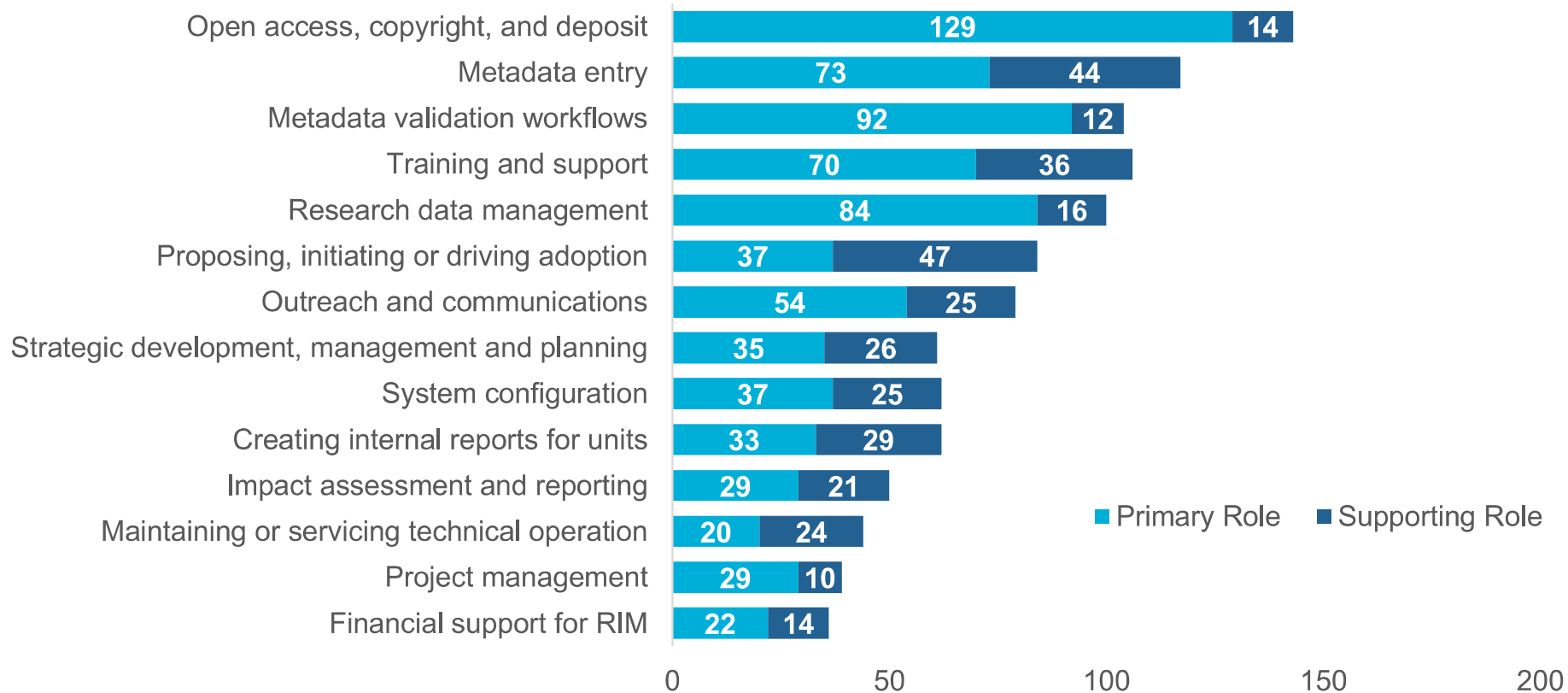
- Congruent with our qualitative *Convenience and Compliance* findings
- Strong adoption of person identifiers
 - **ORCID becoming a *de facto* standard** in scholarly literature, but other identifiers also needed and used
 - **Organizational identifiers largely unused**
 - We expect to find regional concentrations of standards like CERIF



Libraries support RIM activities in many ways

RIM Activities for which the Library Plays a Role (n=172)

Base: Institutions with a live RIM



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Some summary findings

- Libraries are playing a larger role in RIM, as it increasingly intersects with areas of library expertise:
 - Open access
 - Author rights
 - Publications metadata management & validation
 - Training & support for researchers
- Congruent with a recent position paper by OCLC



References

Bryant, Rebecca, Anna Clements, Carol Feltes, David Groenewegen, Simon Huggard, Holly Mercer, Roxanne Missingham, Maliaca Oxnam, Anne Rauh and John Wright. 2017. *Research Information Management: Defining RIM and the Library's Role*. Dublin, OH: OCLC Research. doi:[10.25333/C3NK88](https://doi.org/10.25333/C3NK88)

Bryant, Rebecca, Annette Dortmund, and Constance Malpas. 2017. *Convenience and Compliance: Case Studies on Persistent Identifiers in European Research Information*. Dublin, Ohio: OCLC Research. doi:[10.25333/C32K7M](https://doi.org/10.25333/C32K7M)

euroCRIS & OCLC Research. *International Survey on Research Information Management Practices*. Publication of results as an OCLC Research report **expected in 2018**

Ribeiro, Lúgia, Pablo De Castro, and Michele Mennielli. "EUNIS-EuroCRIS Joint Survey on CRIS and IR," 2016. <http://www.eurocris.org/news/cris-ir-survey-report>.

Discussion

- Survey results and data to be published as an OCLC Research Report in 2018
- Follow us at hangingtogether.org
- More information at oc.lc/rim

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