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Preliminary Findings from the euroCRIS/OCLC Research Survey of Research Information Practices

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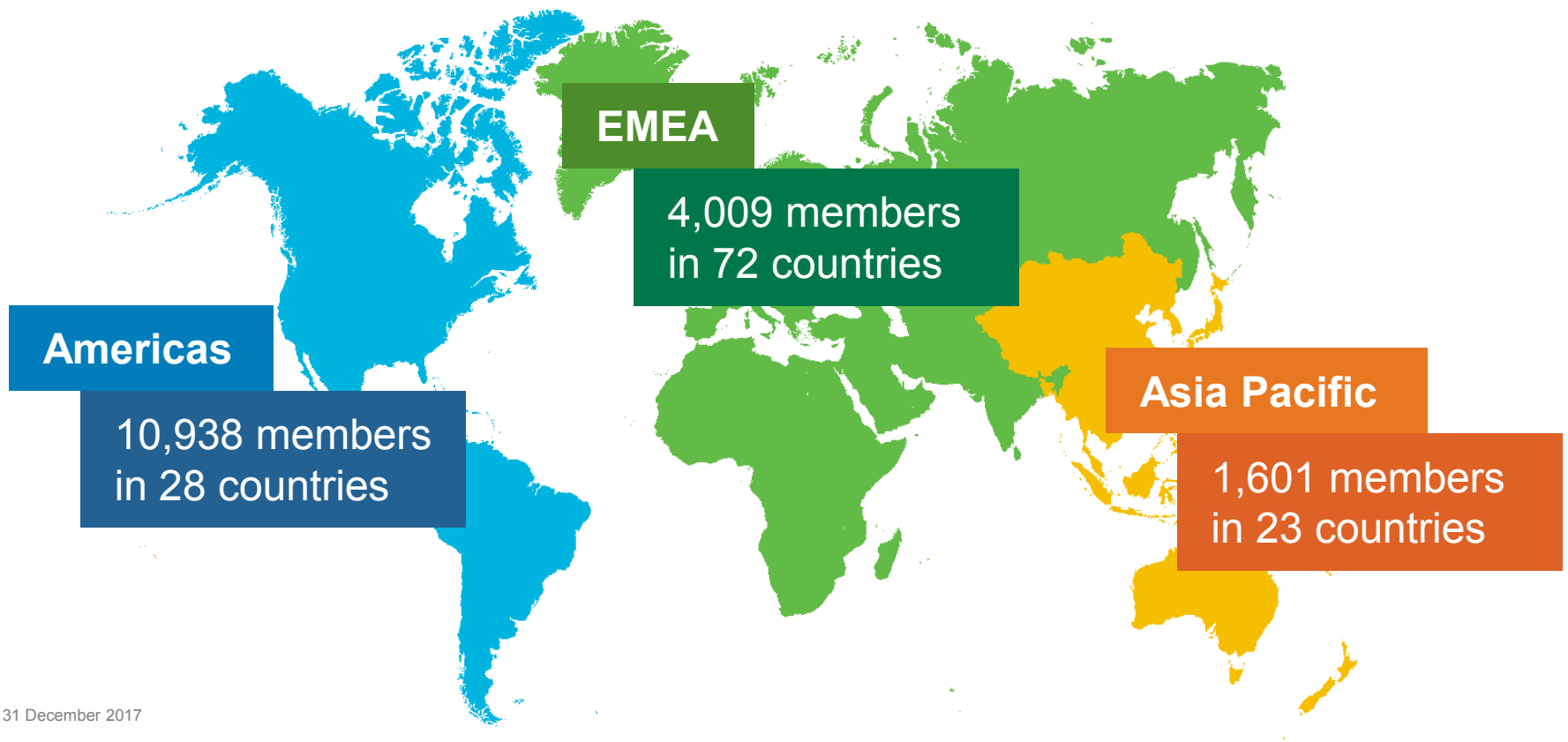
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Today's talk

- 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

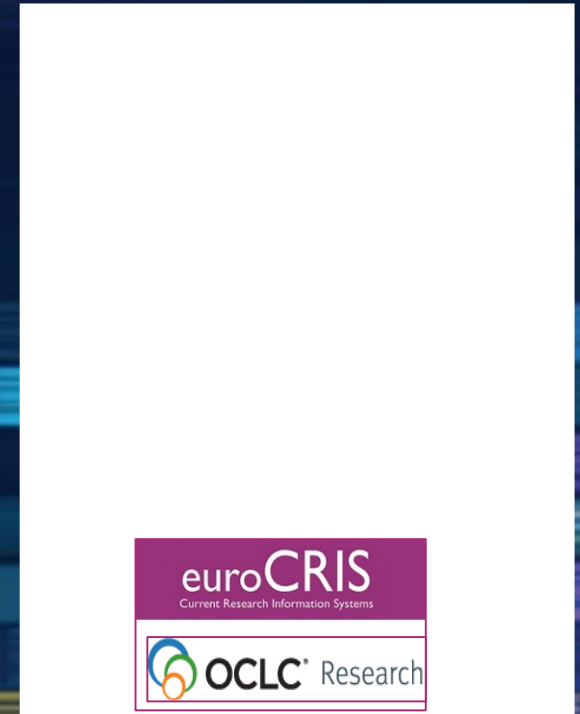
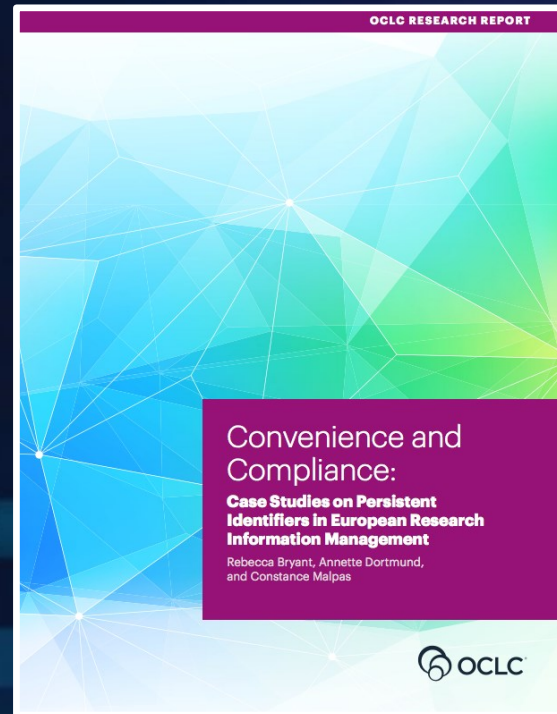
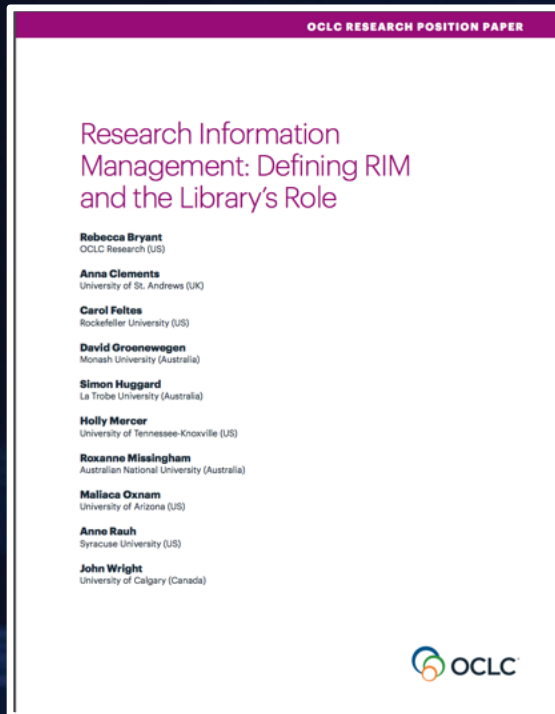
OCLC: A global network of libraries





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

Research Information Management




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



RIM Survey: building on previous work



<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



- Report expected in November 2018

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

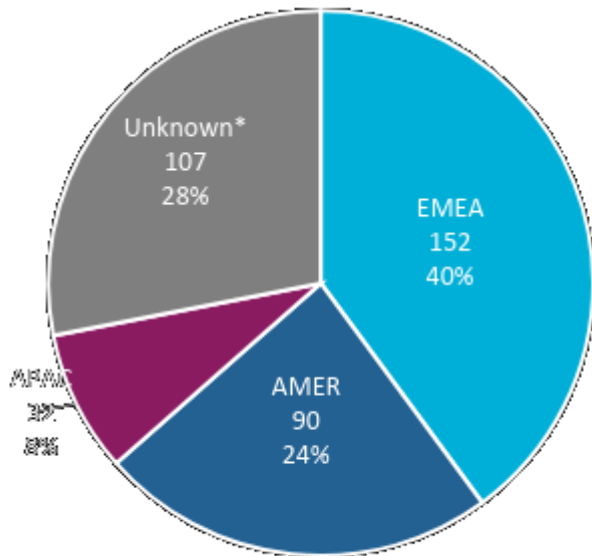
Known limitations

- 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



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Research Information Management (RIM) Systems: International Survey of Libraries, preliminary results (2018)

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

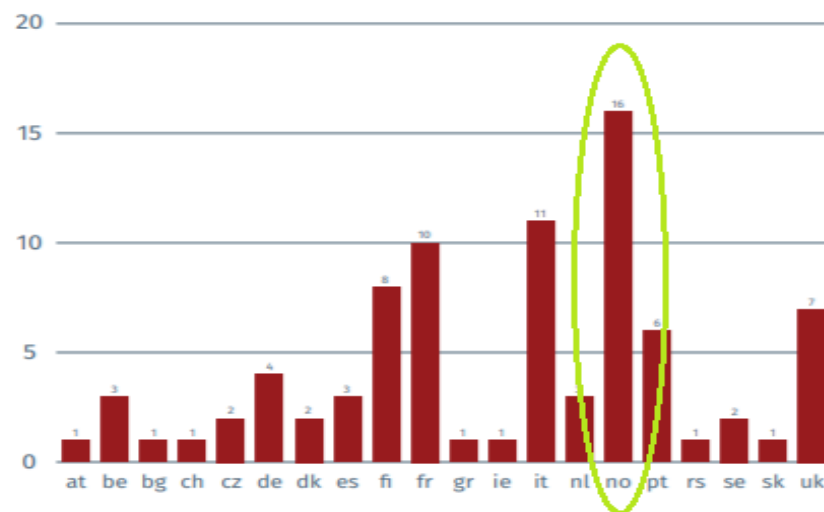
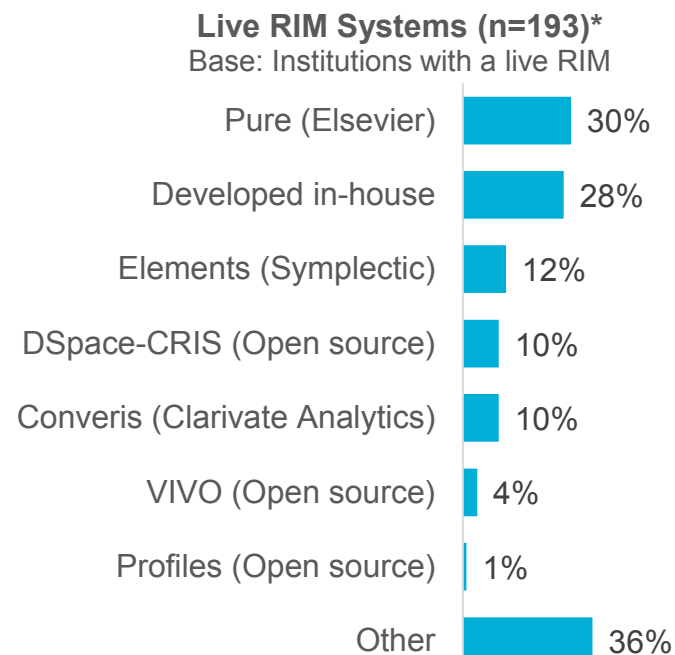
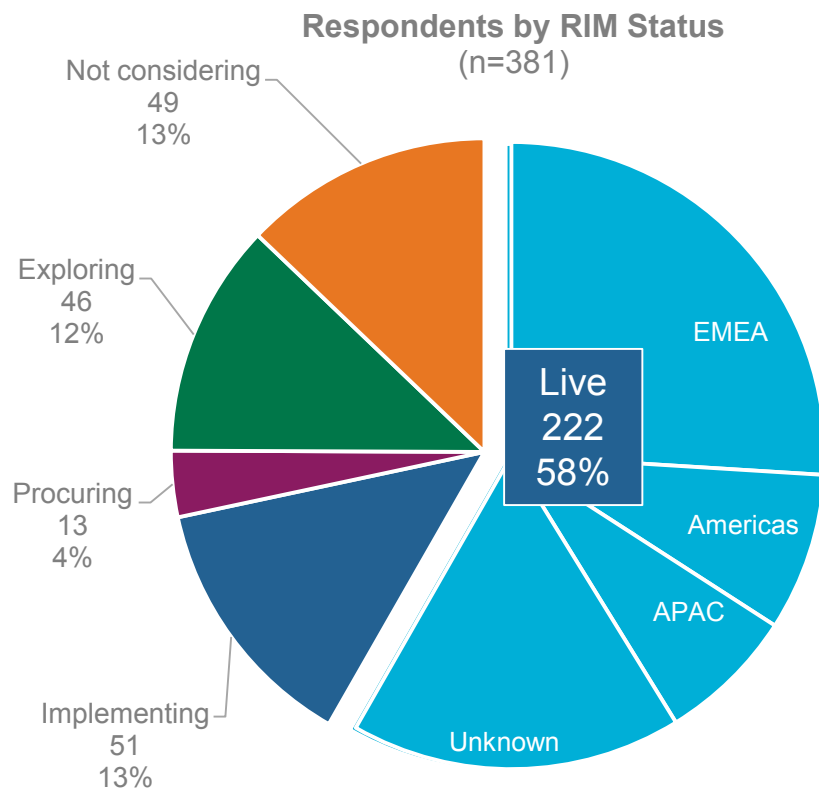


TABLE1: GEOGRAPHIC DISTRIBUTION OF RESPONDENTS

Research Information Management Systems

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



*Note: 29 respondents did not provide their RIM system



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Research Information Management (RIM) Systems: International Survey of Libraries, preliminary results (2018)

RIM System Distribution: findings

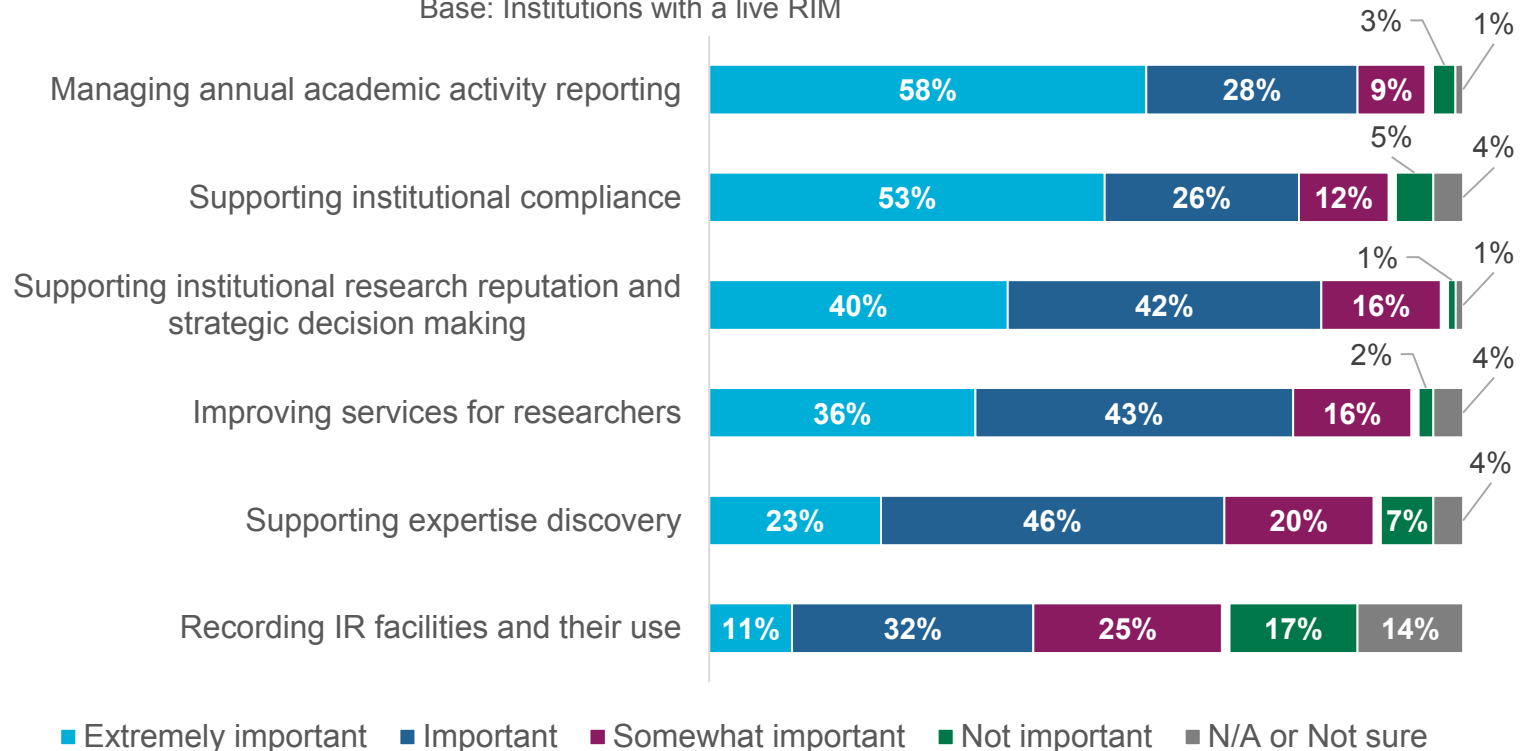
- Note that we invited research institutions at any stage of RIM adoption to participate
 - Reveals a quickly shifting landscape, with many institutions currently exploring RIM
 - > 200 institutions with an active RIM provides a significant sample
 - More synthesis may reveal regional differences
- Diversity 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

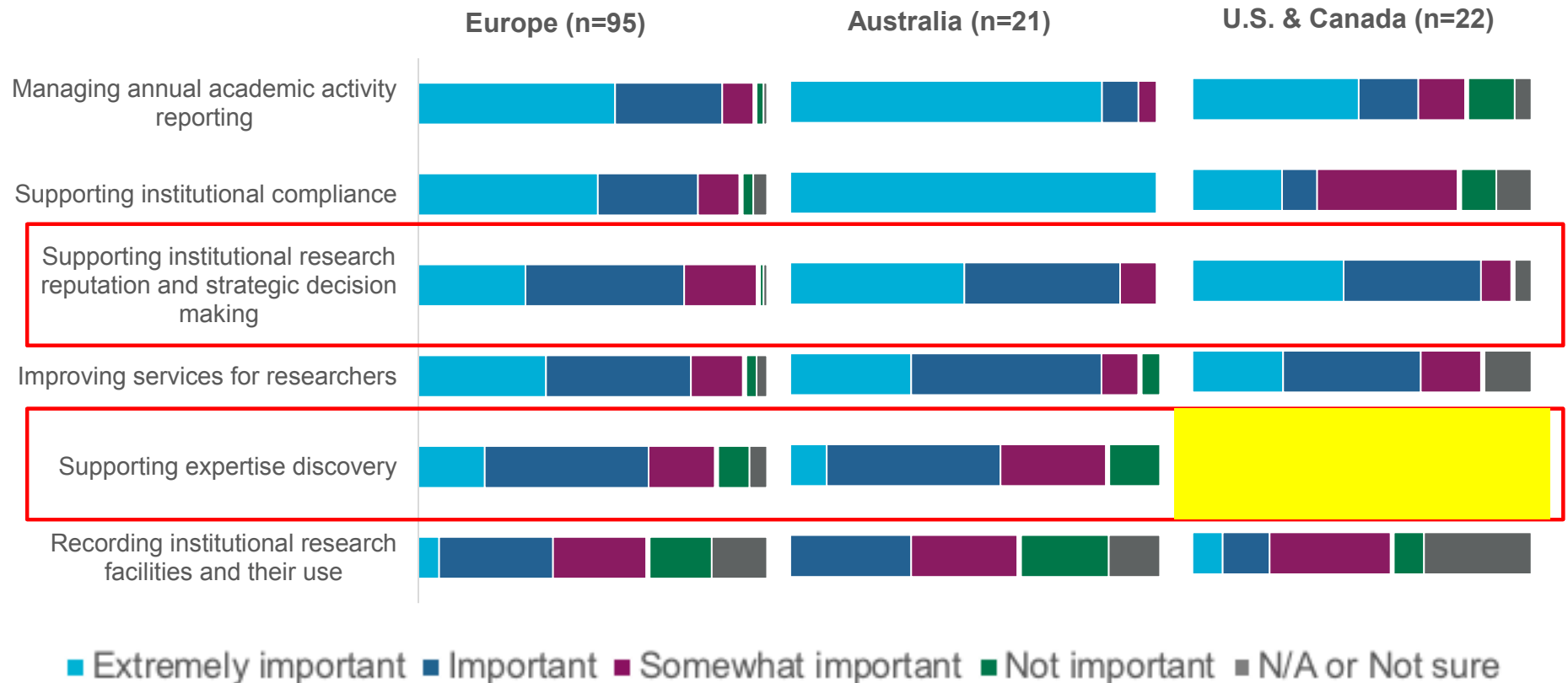


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Research Information Management (RIM) Systems: International Survey of Libraries, preliminary results (2018)

... But this varies by geographic region

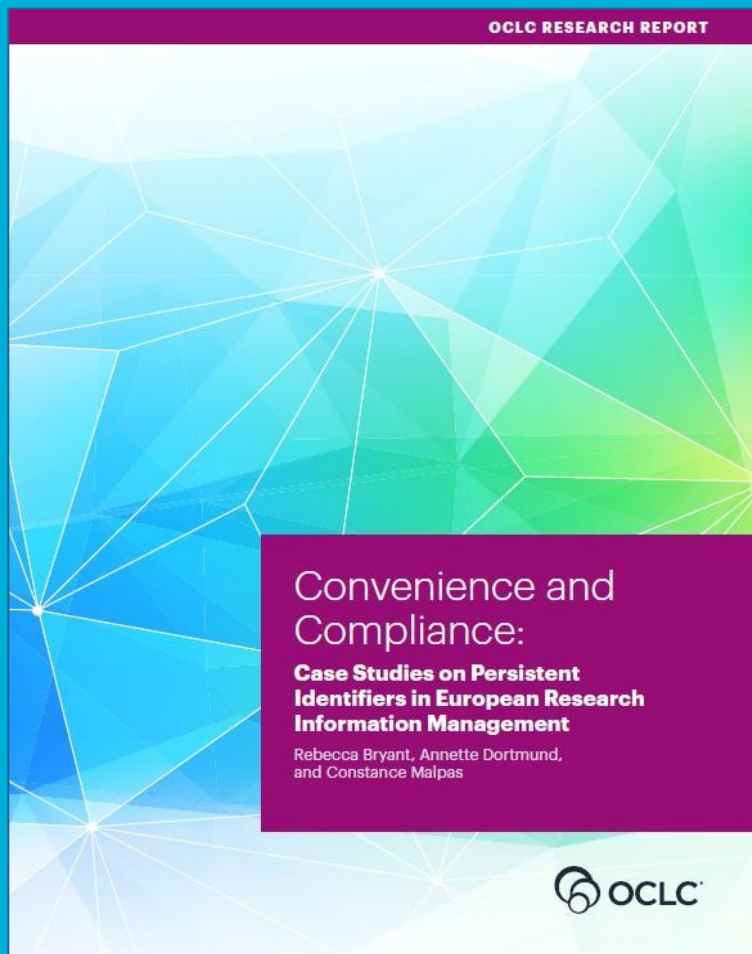
Base: Institutions with a live RIM



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Research Information Management (RIM) Systems: International Survey of Libraries, preliminary results (2018)

Convenience and Compliance



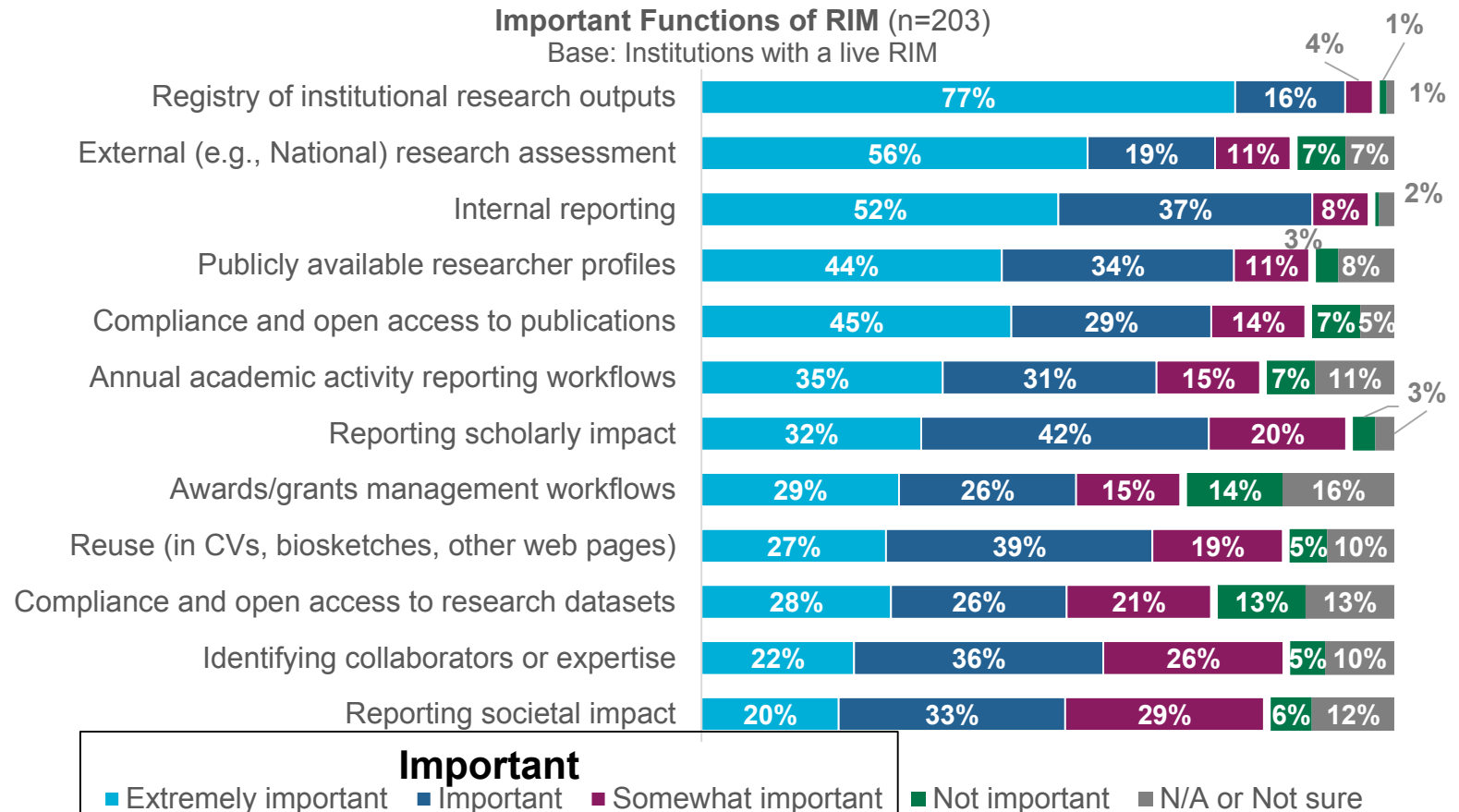
- Collaborative project between



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

RIM uses

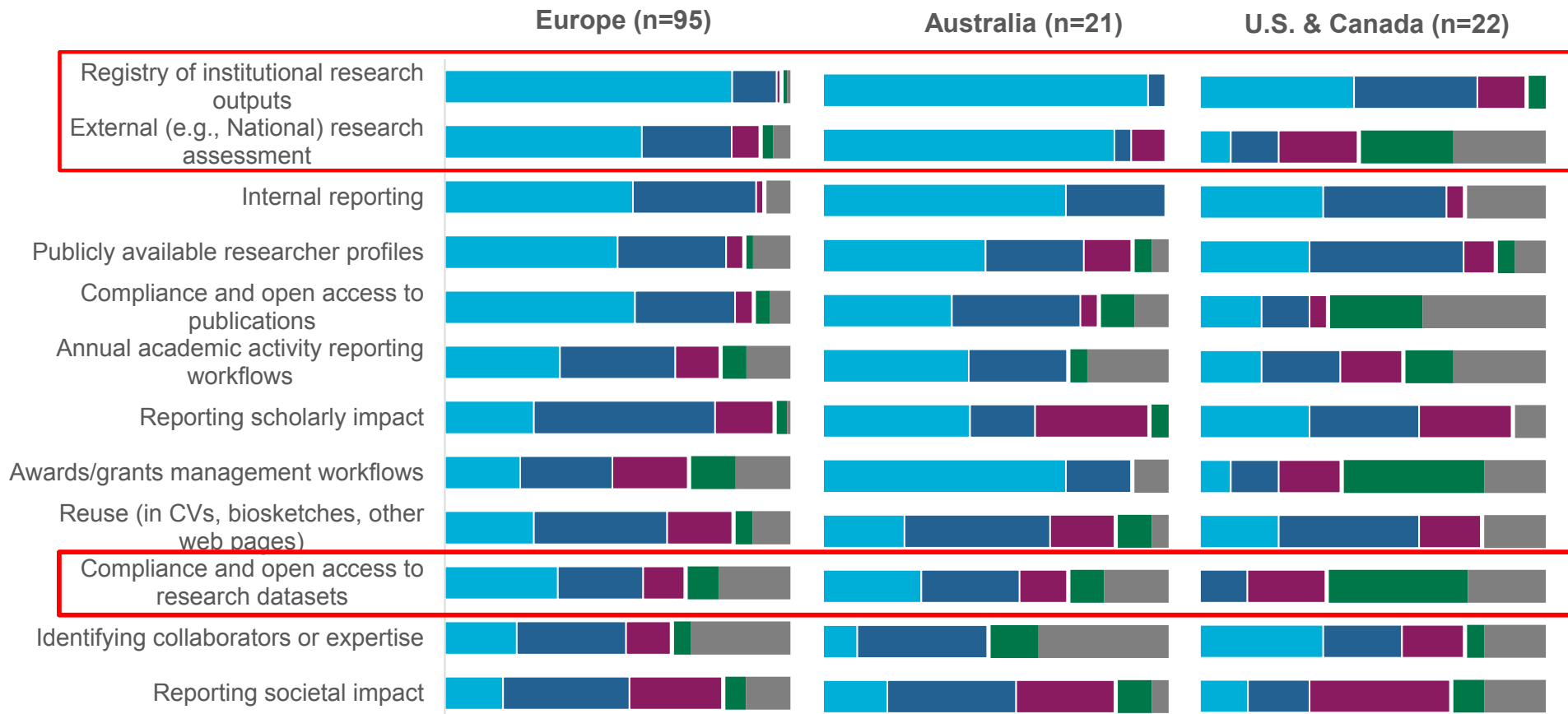
Most important RIM functions



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Research Information Management (RIM) Systems: International Survey of Libraries, preliminary results (2018)

... These again vary by region



■ Extremely important ■ Important ■ Somewhat important ■ Not important ■ N/A or Not sure



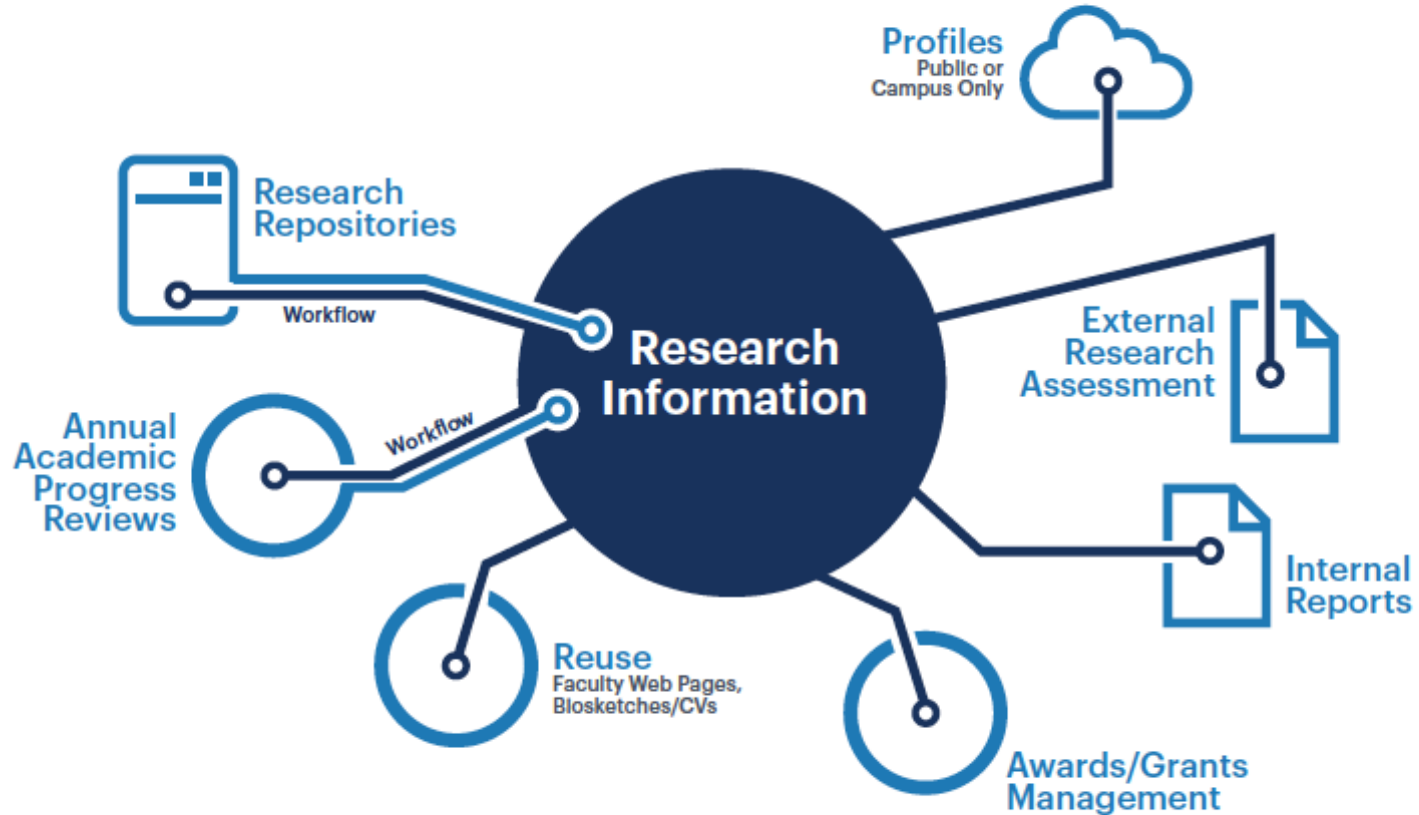
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Research Information Management (RIM) Systems: International Survey of Libraries, preliminary results (2018)

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 can also see how some of these differences vary by region

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](#)

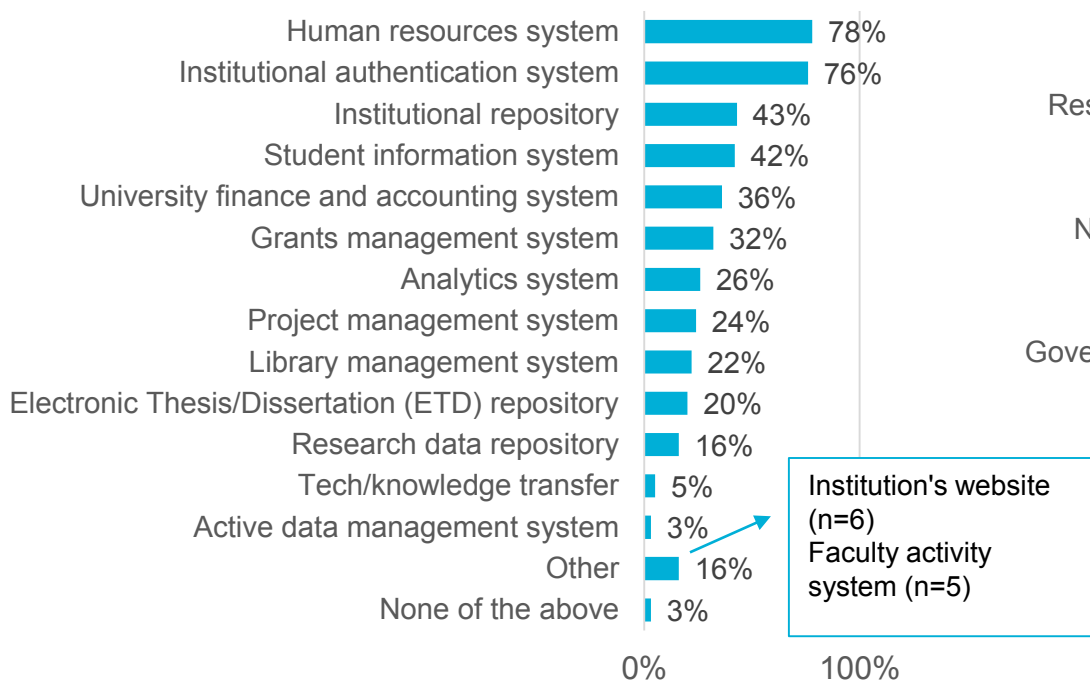
HOW

RIM interoperates with multiple internal and external systems

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

Base: Institutions with a live RIM

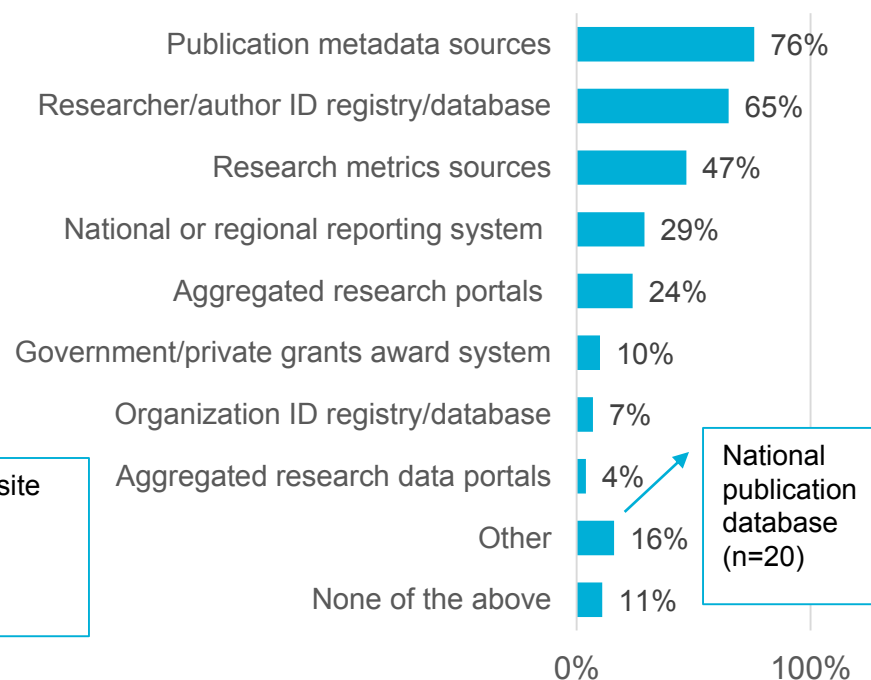
Note: Respondents could select more than one answer



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

Base: Institutions with a live RIM

Note: Respondents could select more than one answer

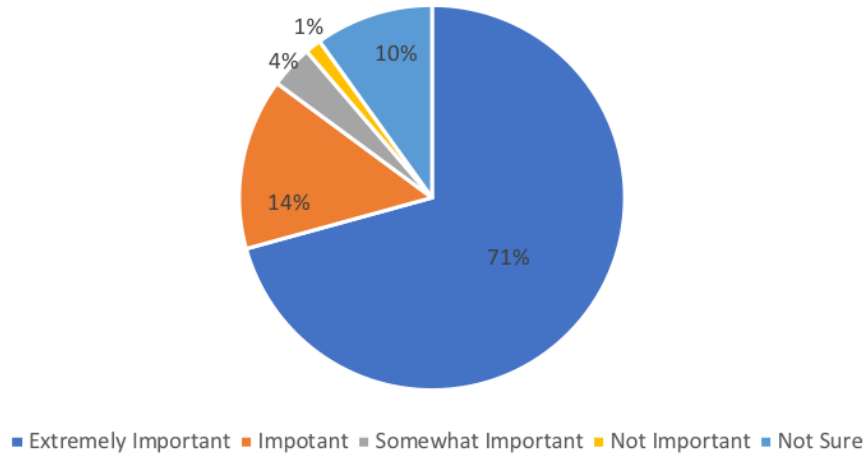


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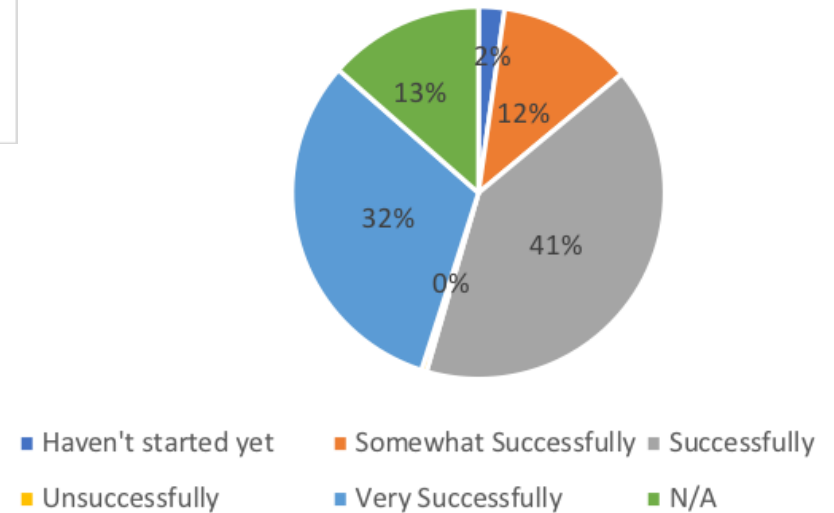
Research Information Management (RIM) Systems: International Survey of Libraries, preliminary results (2018)

A very important functionality

Registry of institutional research outputs



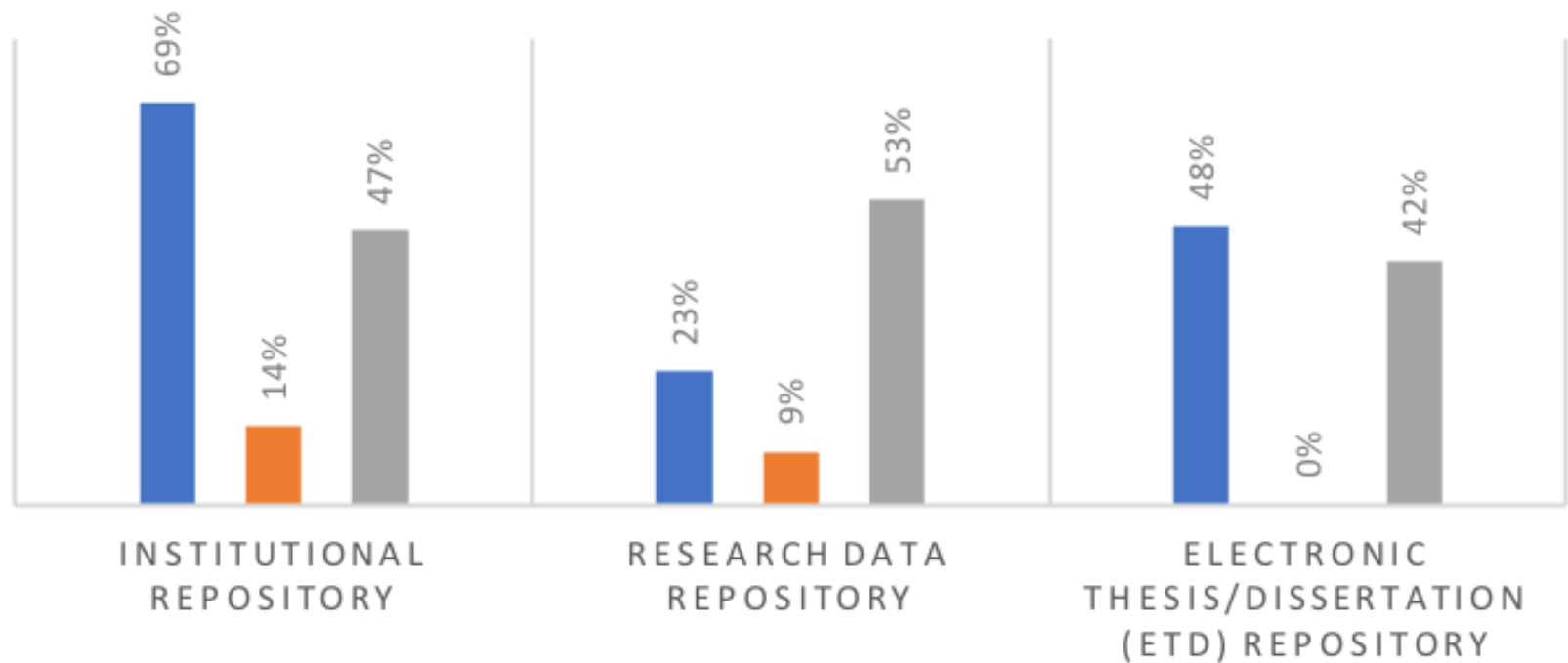
Function Perform Registry of institutional research outputs



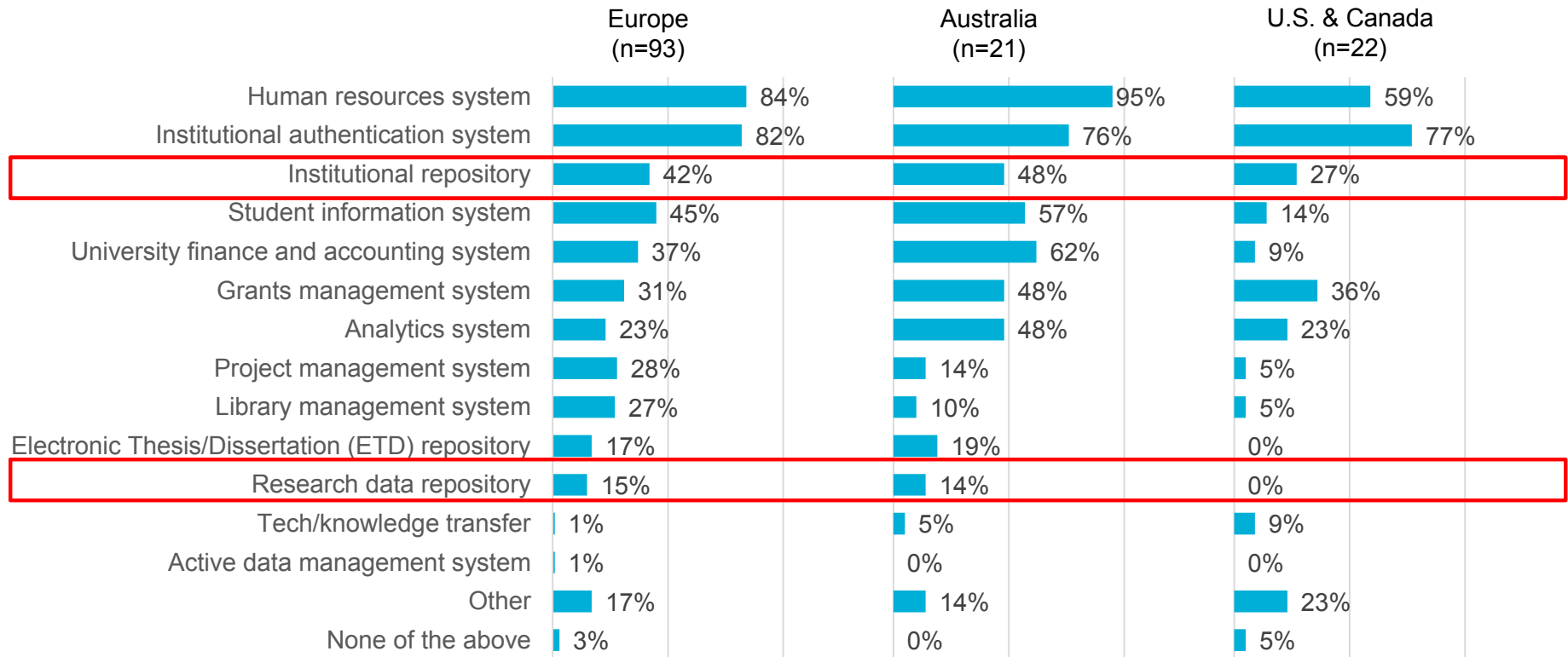
RIM and repositories

RIM AS A DEFAULT..

■ Europe (n=95) ■ U S & Canada (n=22) ■ Other Countries (n=19)



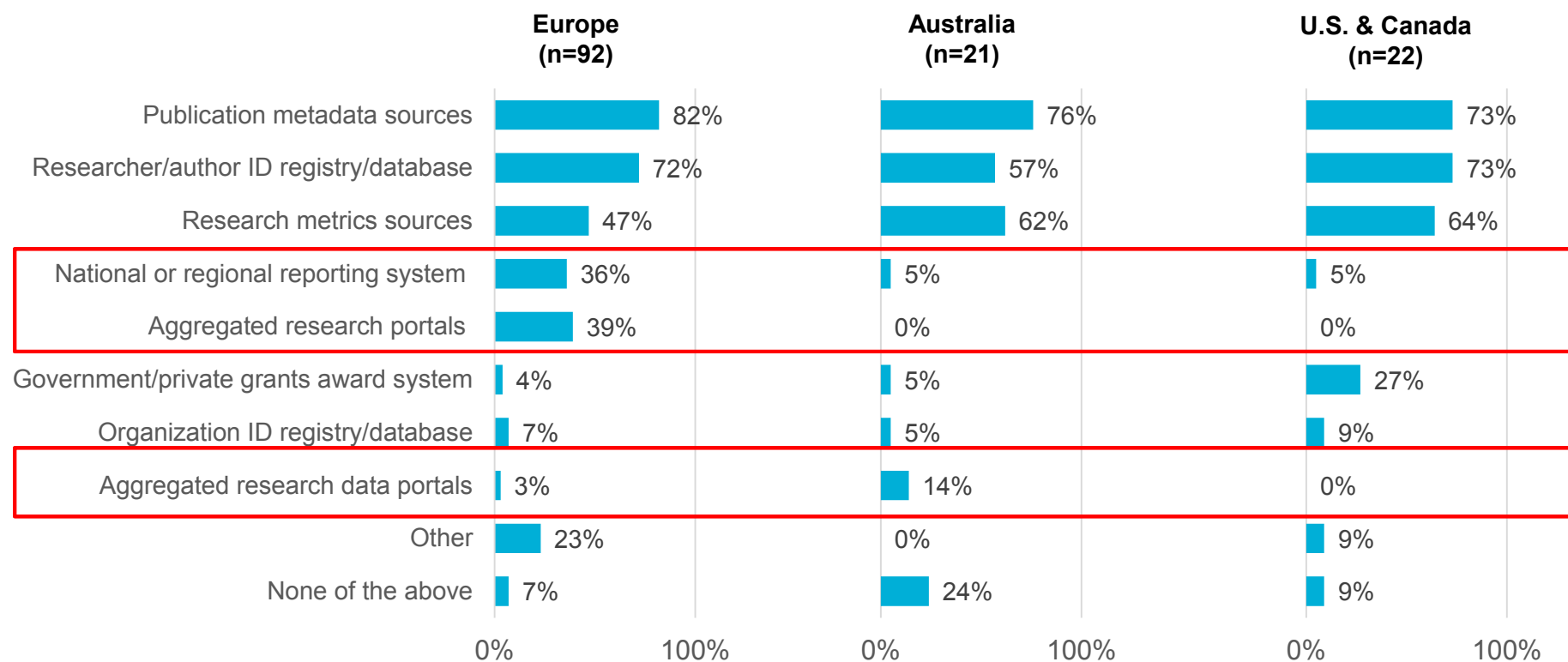
Internal Systems that Interoperate with RIM



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Research Information Management (RIM) Systems: International Survey of Libraries, preliminary results (2018)

External Systems that Interoperate with RIM

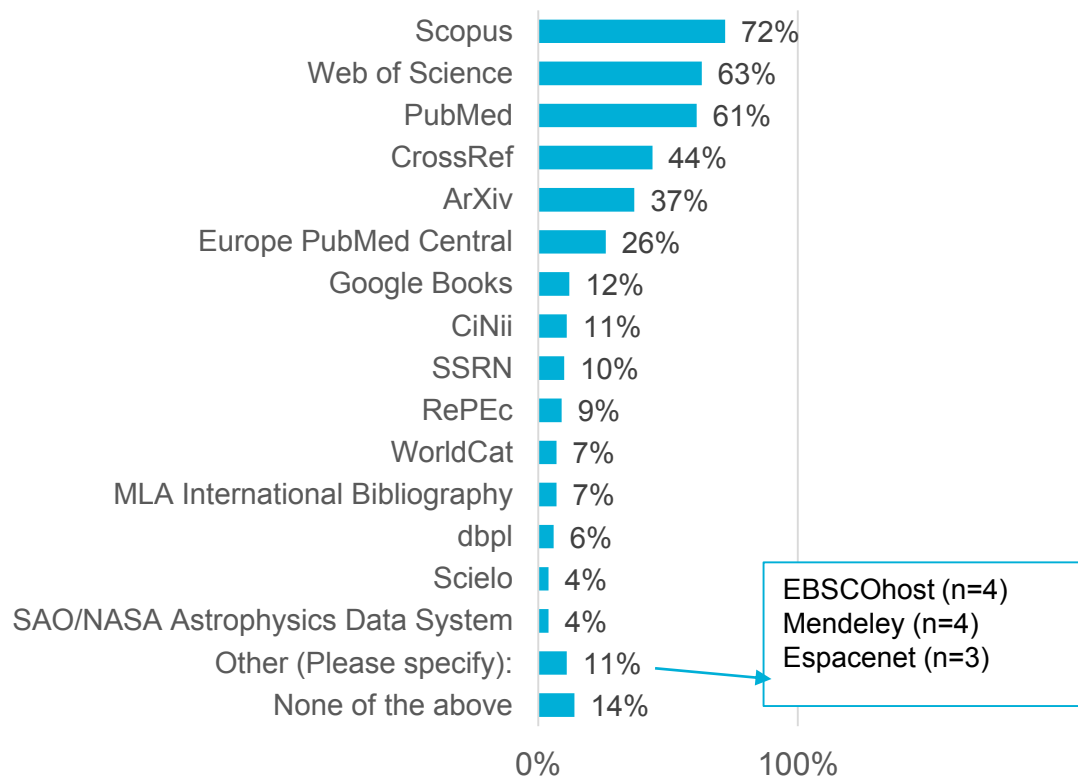


Top Bibliographic Metadata Sources for RIM

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

Base: Institutions with a live RIM

Note: Respondents could select more than one answer



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Research Information Management (RIM) Systems: International Survey of Libraries, preliminary results (2018)

Protocols/Standards/Vocabularies that RIM Relies On

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

Base: Institutions with a live RIM

Note: Respondents could select more than one answer

Europe
(n=89)

Australia
(n=23)

U.S. & Canada
(n=19)

OAI-PMH 45%

56%

39%

5%

CERIF/CERIF XML 40%

57%

9%

0%

Shibboleth 36%

40%

22%

68%

Field of Science (FOS) Classification 7%

4%

4%

5%

Other (Please specify): 12%

10%

26%

16%

None of the above 20%

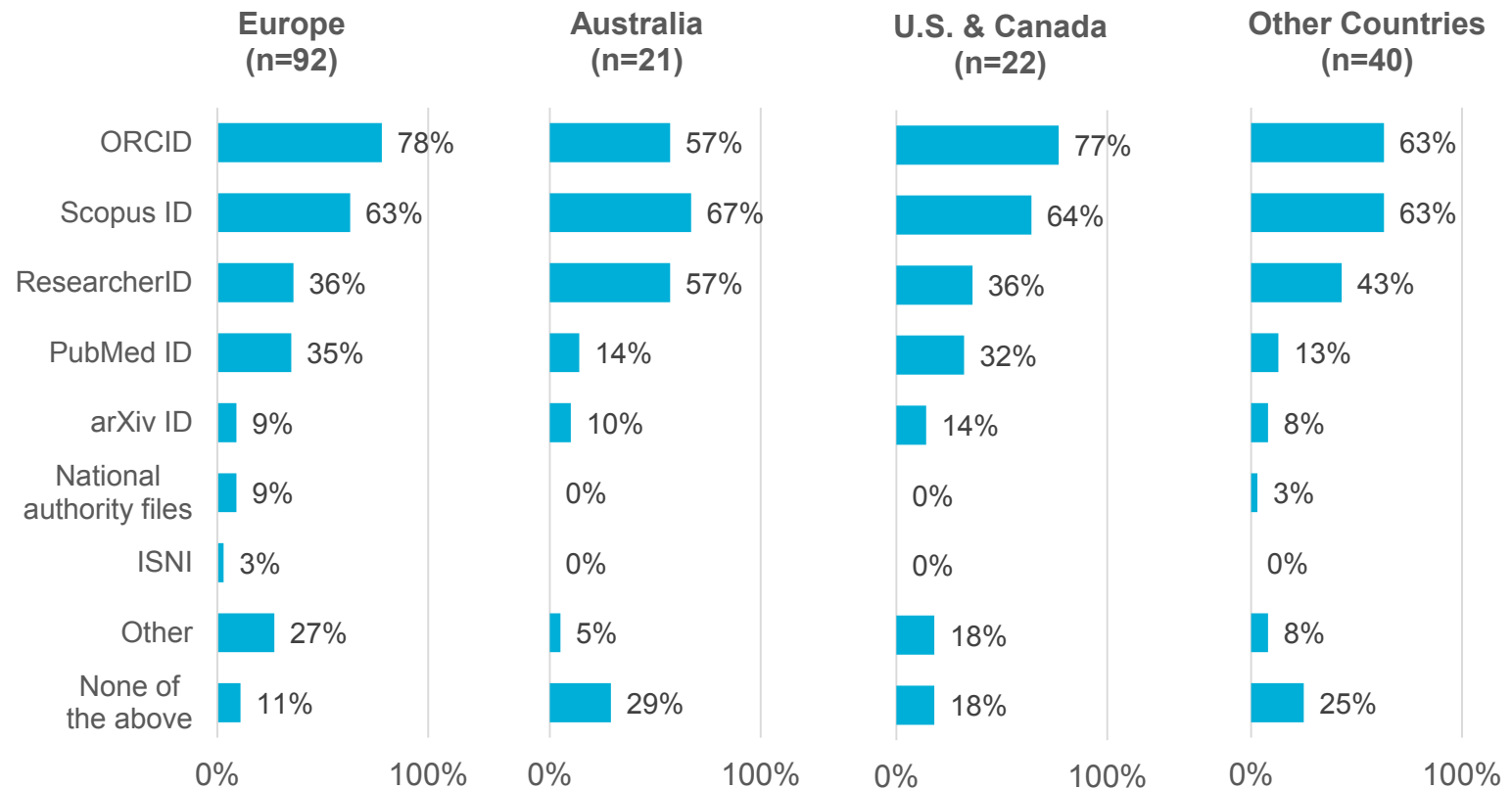
17%

26%

16%

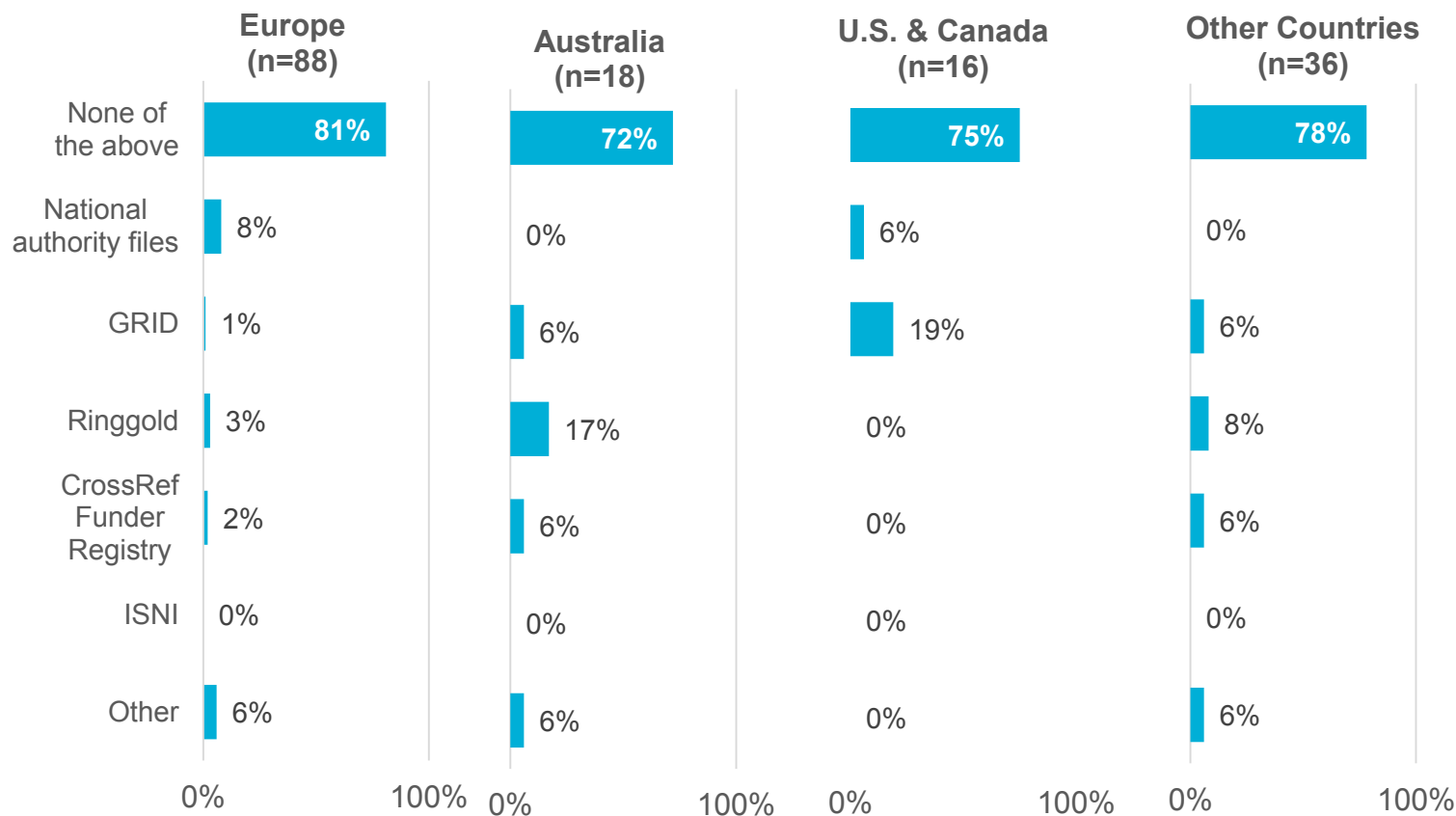


Researcher Identifiers in Use



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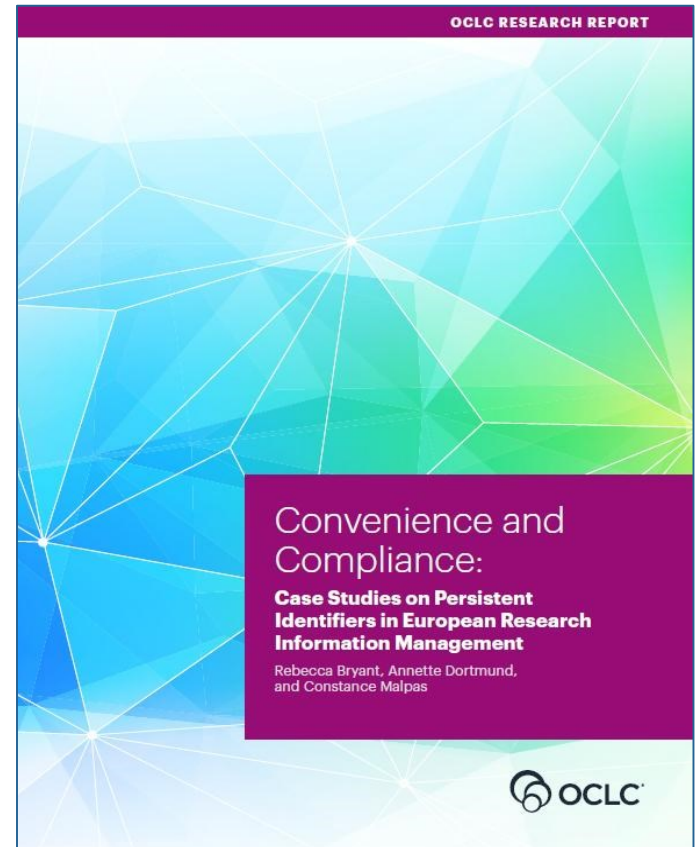
Organization Identifiers in Use



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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**



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

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)

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Ribeiro, Lígia, 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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