CNI Spring Meeting * St. Louis * 9 April 2019

Practices and Patterns in Research Information Management

Findings from a Global Survey

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Some (not so) Random Examples

University of Illinois

How much are we spending for Open Access?

UIUC Gold OA 2013-2018 Top 16

Title	Articles	APC	Total
PLoS One	388	$1,495.00	$580,060.00
Journal of High Energy Physics	243	$0.00	$0.00
Scientific Reports	205	$1,675.00	$343,375.00
European Physical Journal C, Zeitschrift fur Physik C-Particles and Fields	191	$0.00	$0.00
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, Physics Letters B	186	$0.00	$0.00
Nature Communications	164	$5,200.00	$852,800.00
Optics Express	74	$1,400.00	$103,600.00
Nucleic Acids Research	54	$2,670.00	$144,180.00
BMC Genomics	53	$2,145.00	$113,685.00
Journal of Veterinary Internal Medicine	42	$1,700.00	$71,400.00
GCB Bioenergy	39	$2,500.00	$97,500.00
eLife	38	$2,500.00	$95,000.00
Atmospheric Chemistry and Physics	33	$1,300.00	$42,900.00
RSC Advances	33	$958.00	$31,614.00
Frontiers in Human Neuroscience	31	$2,490.00	$77,190.00
Frontiers in Plant Science	31	$2,490.00	$77,190.00

UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN **LIBRARY**

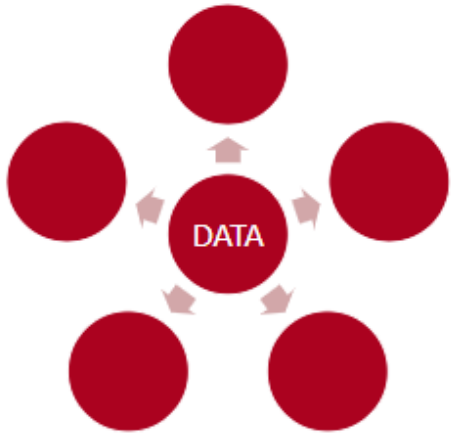
From ***The Shadow Acquisitions Budget: APCs and Open Access Publications at a Research University***
William H. Mischo & Thomas H. Teper (UIUC) – CNI Meeting, December 2018
https://youtu.be/mqm7siVBGs4

University of Arizona

How can we unlock all the data in faculty CVs?

Evolving Data Tension

vs.



From ***Research Information Management: Libraries Leading the Way***
Bryant, Fransen, Oxnam, and Rauh – ACRL 2019, Later this week!

University of Minnesota

How can we show the impact of equipment and facilities?

RIM Use Cases

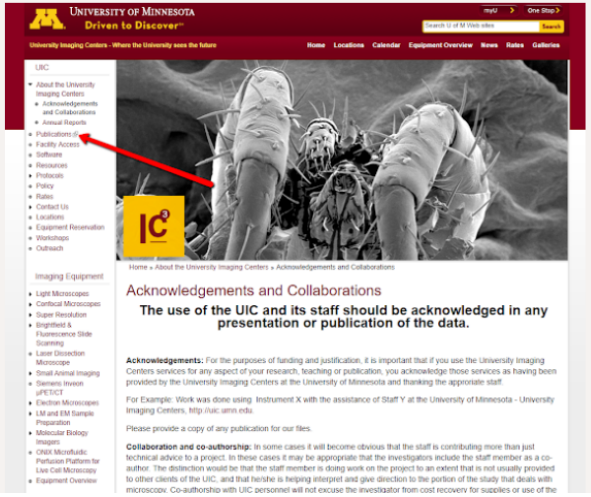
Home | Keeping Track | Reporting Out | Finding People & Equipment | Enhancing Findability

Highlight your Facility's Contributions to Research

The University Imaging Centers (UIC) is both an external and internal service organization. UIC's Operations Manager works to promote UIC's three facilities and their equipment and services both within the University community and to outside clients. Tracking the impact of UIC through resulting publications is part of that promotion.

When using UIC facilities, authors agree to **acknowledge UIC** in any resulting publications. The operations manager review publications newly added to Experts@Minnesota for that acknowledgement text and indicate that acknowledgement on the publication's Experts@Minnesota record. Rather than maintaining a list of publications on its own site, **UIC now links to its Experts@Minnesota page**. The public page features citation counts and alternative metrics for each publication as well as (when allowed by license) links to access the full text of the publication.

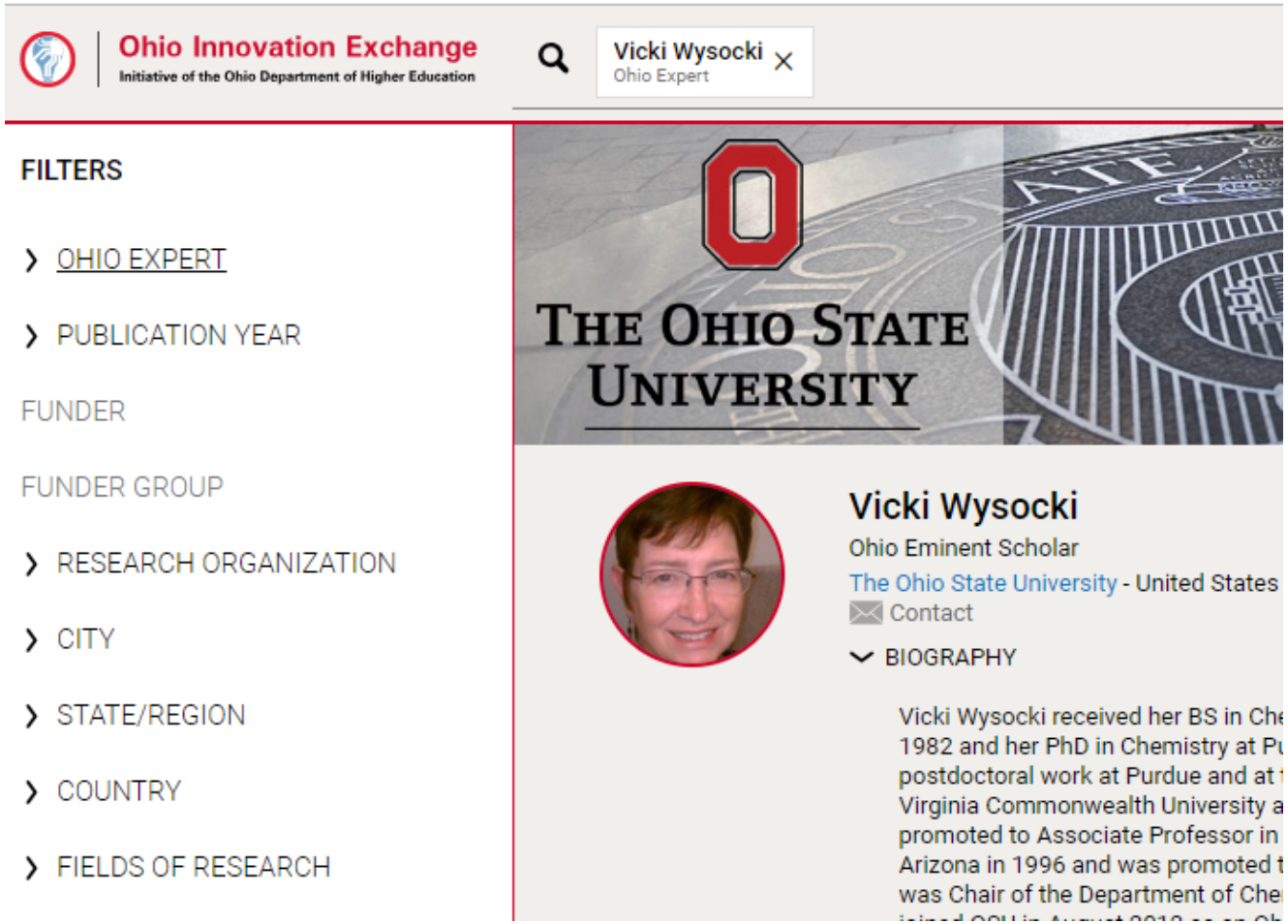
Do you want to show off your facility's contributions to research? Contact us!



From ***University of Minnesota Libraries: RIM Use Cases website***
https://z.umn.edu/RIMUseCases

State of Ohio

How can we connect Ohio businesses with university expertise?



From *Ohio Innovation Exchange*
https://www.ohioinnovationexchange.org/

University of St Andrews

How can we prepare for REF 2021*?

*REF 2021 is the Research Excellence Framework. See https://www.ref.ac.uk/ for more information.

What do I need to do?

Make sure your work can meet institutional and REF requirements by uploading your Author Accepted Manuscript* in Pure as soon as possible along with the date of acceptance. **This is your full text version of the manuscript after peer review and including any final changes, but before publisher typesetting or copy-editing by the publisher. Please do not upload final publisher versions, or typeset proofs.*

Log in to Pure and upload your paper as soon as it is accepted, with the date of acceptance – the Library will take care of the rest.

Crucial actions for researchers:

- Acknowledged funders in publications, including grant number(s)
- **Deposit your author accepted manuscript in Pure** at the point of acceptance, **along with the date of acceptance** – the Library will then be able to see all the details, complete the record, and can give appropriate advice
- Link publications with the relevant grant in Pure
- Send any queries with details of your accepted manuscript to openaccess@st-andrews.ac.uk

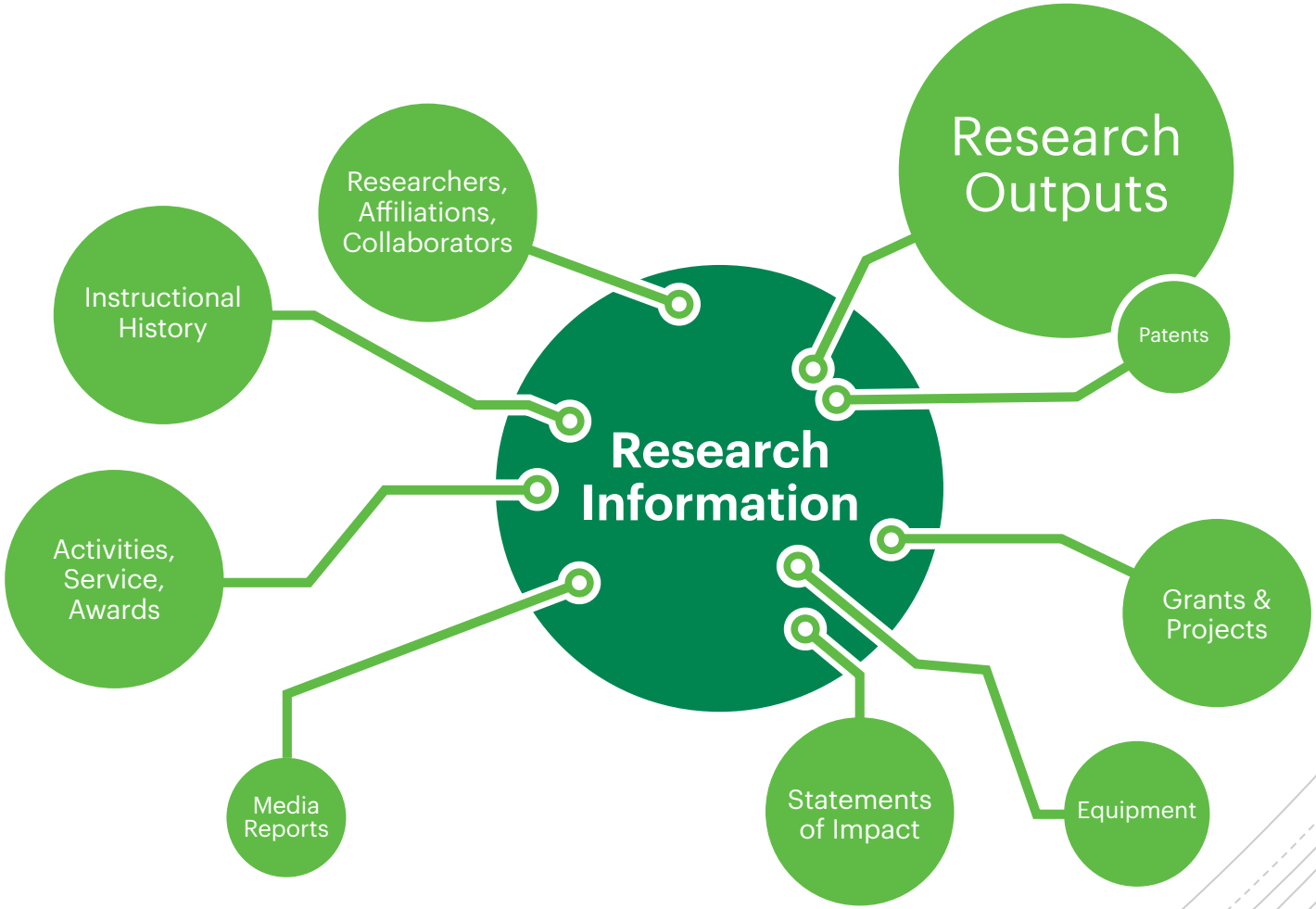
From ***University of St Andrews Library website***
https://www.st-andrews.ac.uk/library/services/researchsupport/openaccess/

What do these examples have in common?

RIM Systems are used to collect the scholarly output of an institution.

And allow it to be combined with other information collected on campus.

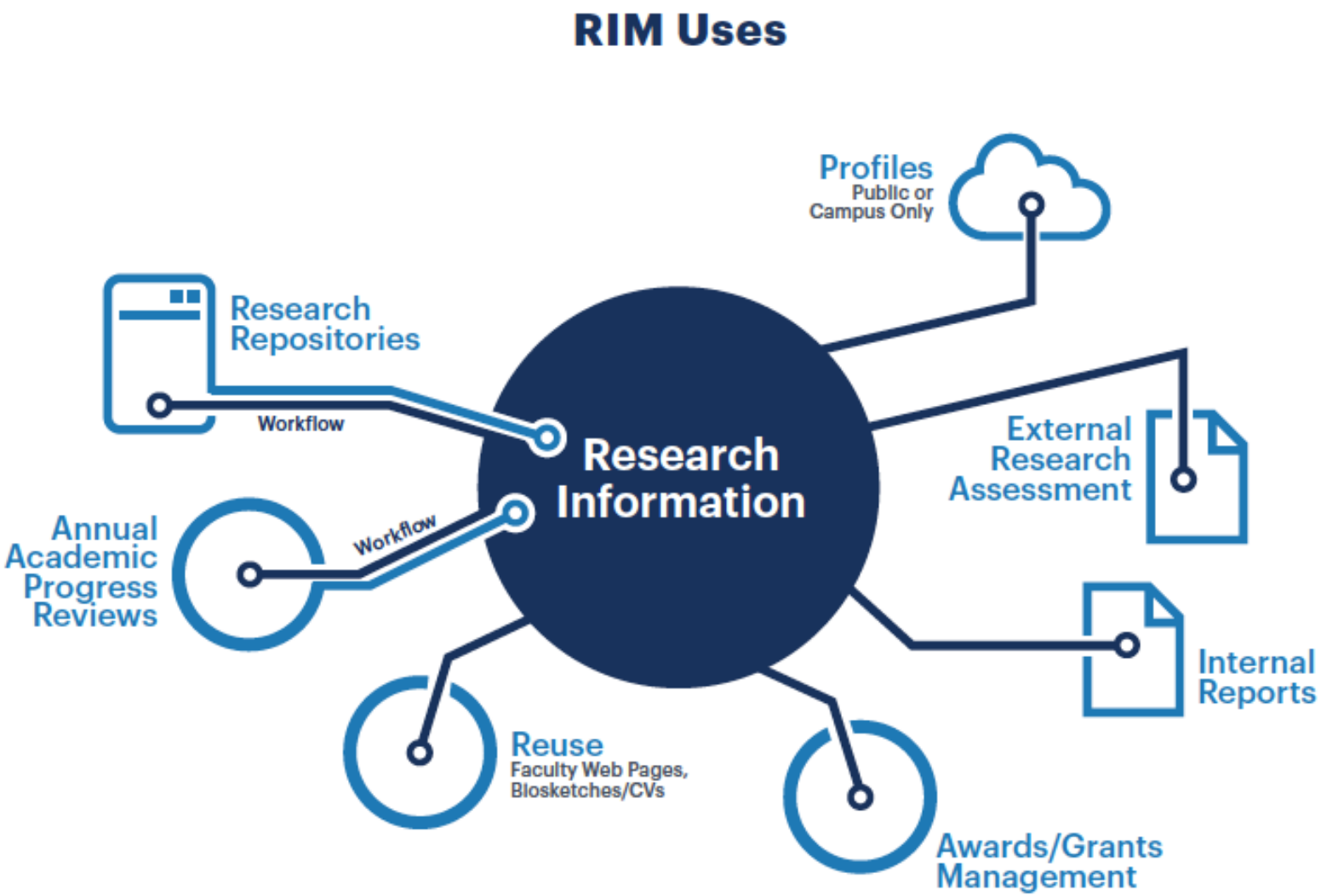
RIM Metadata



oc.lc/rim

RIM Systems are used to collect the scholarly output of an institution.

And allow it to be combined with other information collected on campus.



oc.lc/rim

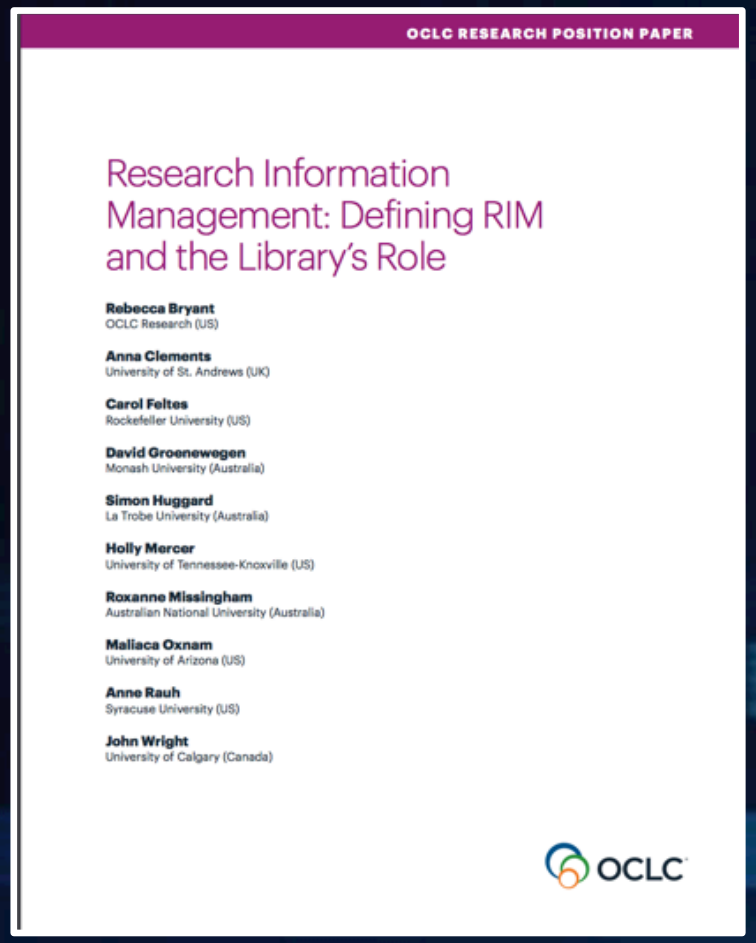
Is this a trend?

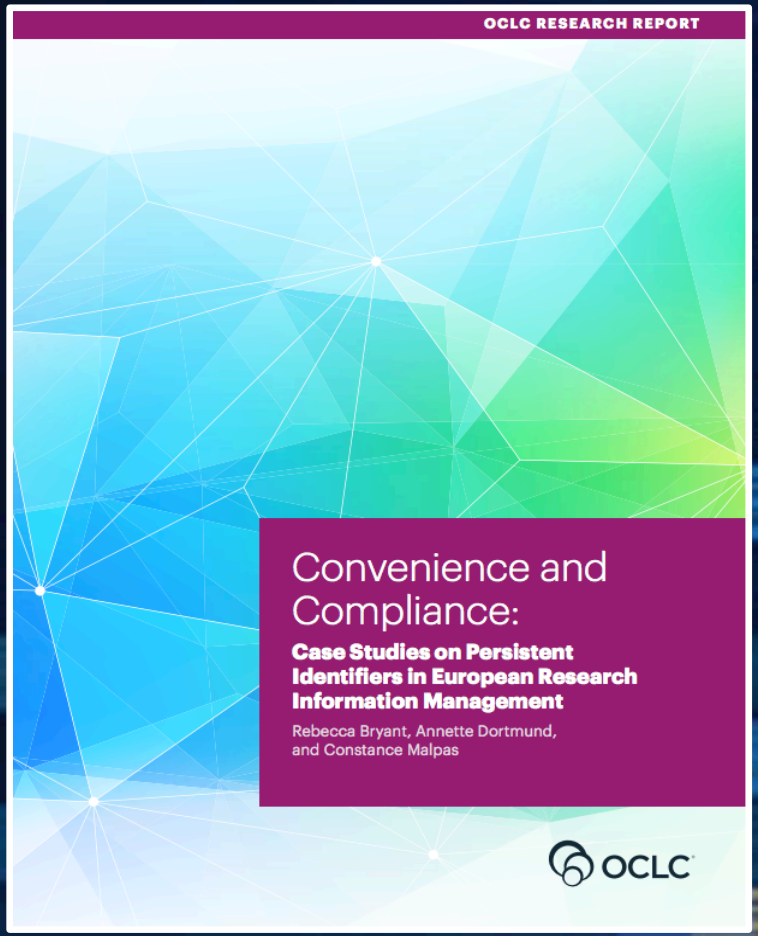
Learning more…

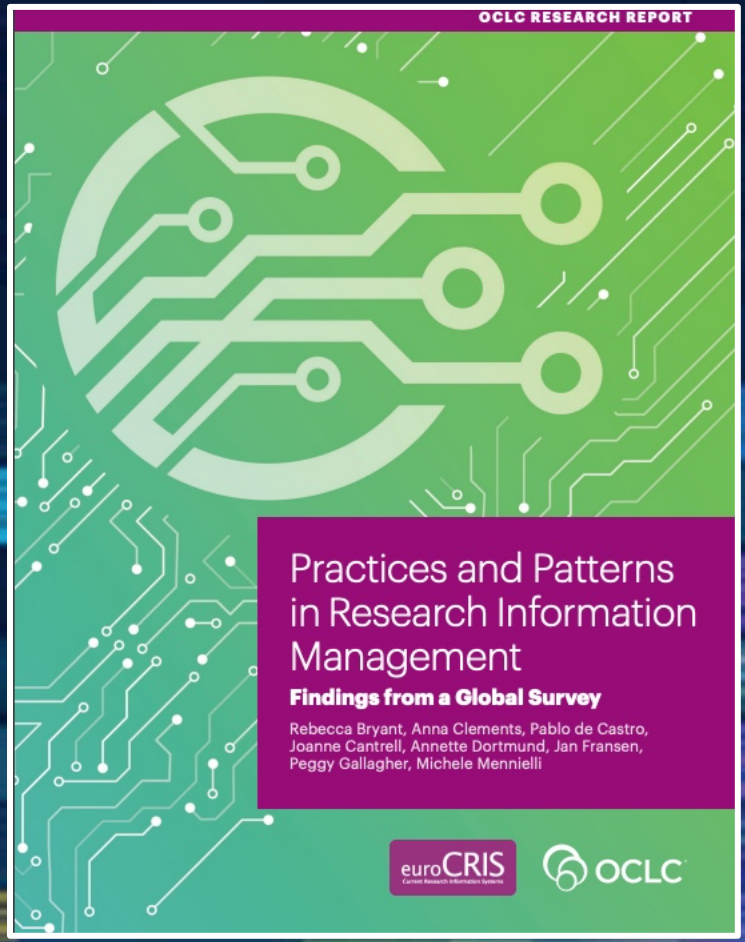
OCLC Research

- 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
  - oc.lc/research
  - Hangingtogether.org blog

OCLC Research publications on Research Information Management







oc.lc/rim

RIM =

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

OCLC RESEARCH POSITION PAPER

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

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Simon Huggard
La Trobe University (Australia)

Holly Mercer
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Roxanne Missingham
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University of Arizona (US)

Anne Rauh
Syracuse University (US)

John Wright
University of Calgary (Canada)

OCLC

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)
- EFS (Expert Finder System)
- FAR (Faculty Activity Reporting)

VIVO

DSpace-CRIS

Elements

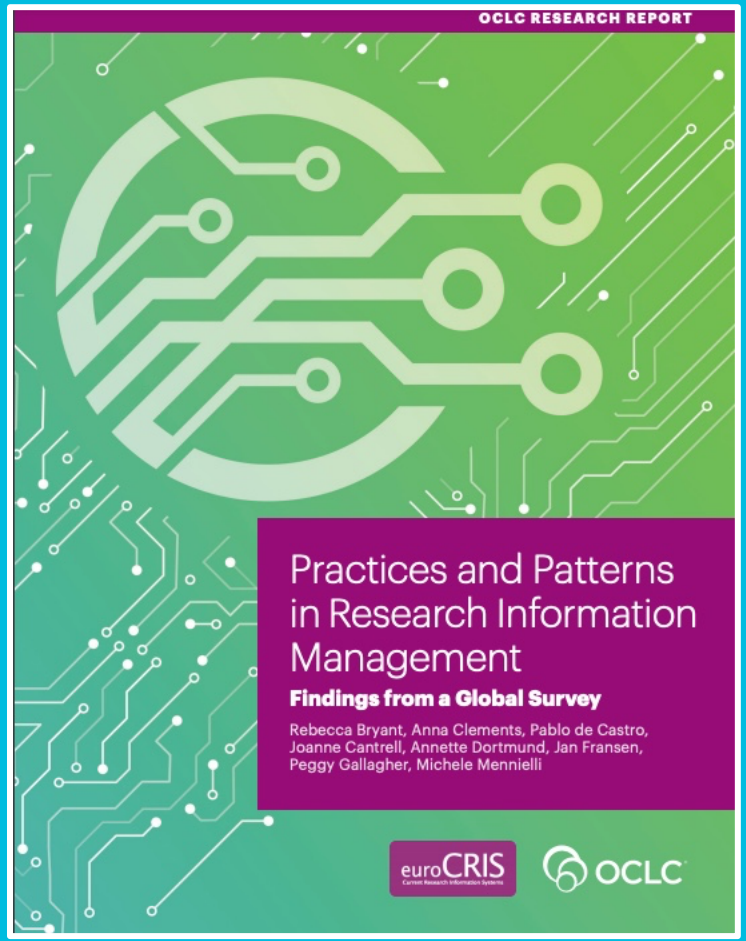
ELSEVIER Pure

interfolio

Clarivate Analytics

Converis

Practices and Patterns in Research Information Management: Findings from a Global Survey



Rebecca Bryant, PI, OCLC Research

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Anna Clements, University of St. Andrews and euroCRIS

Annette Dortmund, OCLC EMEA

Jan Fransen, University of Minnesota, Twin Cities

Michele Mennielli, DuraSpace and euroCRIS

Plus a number of valuable collaborators at OCLC

OCLC Research

euroCRIS Current Research Information Systems

oc.lc/rim

OCLC

Results we'll be talking about

- Incentives for RIM Adoption
- Functions/Uses of RIM
- Interoperability
- RIM Stakeholders
- Use of Persistent Identifiers

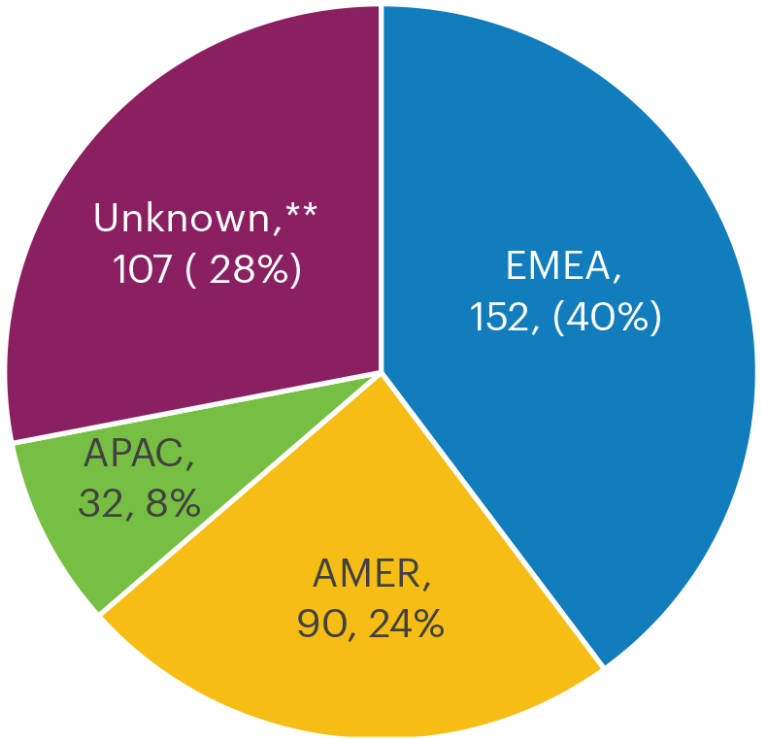
Methodology and Promotion

- 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 RIM vendors and user communities
  - Listservs, social media, and announcements to research & library organizations

RIM Survey responses: geographic overview

381 survey respondents from 44 countries

Respondents by Region (n=381)*



Australia	24 (6%)
Japan	3 (1%)
China	2 (0.5%)
New Zealand	2 (0.5%)
US	39 (10%)
Peru	39 (10%)
Canada	3 (1%)
Colombia	3 (1%)

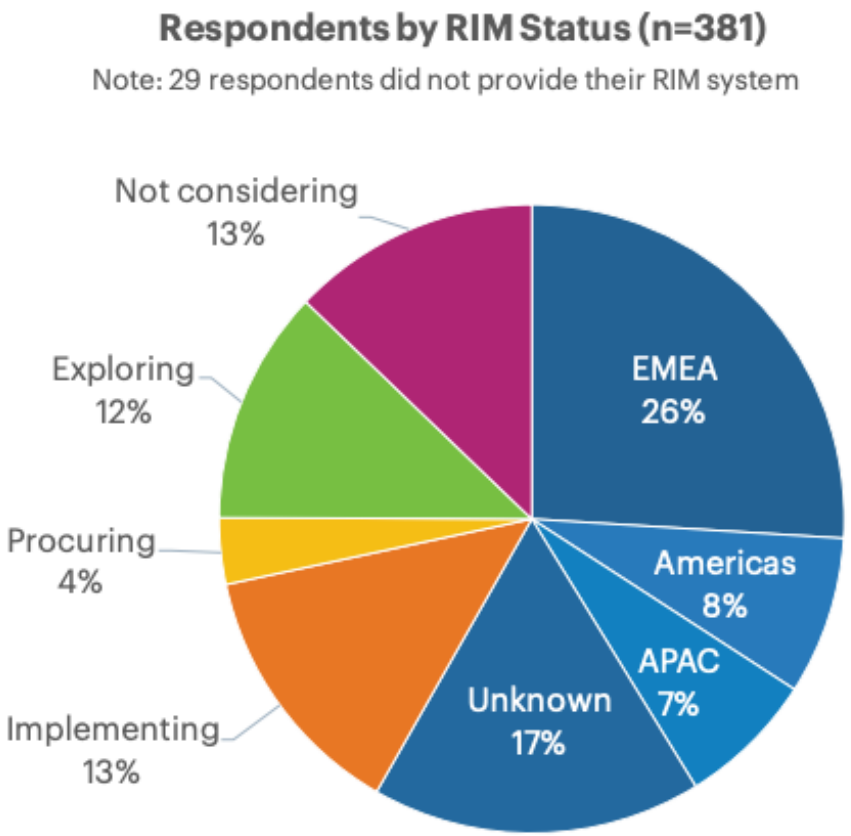
UK	39 (10%)
Italy	28 (7%)
Germany	14 (4%)
Netherlands	10 (3%)
Portugal	7 (2%)
Poland	6 (2%)
Spain	6 (2%)
Belgium	5 (2%)
Ireland	5 (2%)
South Africa	4 (1%)
Andorra	3 (1%)
Finland	3 (1%)
India	3 (1%)
Austria	2 (0.5%)
Bahrain	2 (0.5%)
Denmark	2 (0.5%)

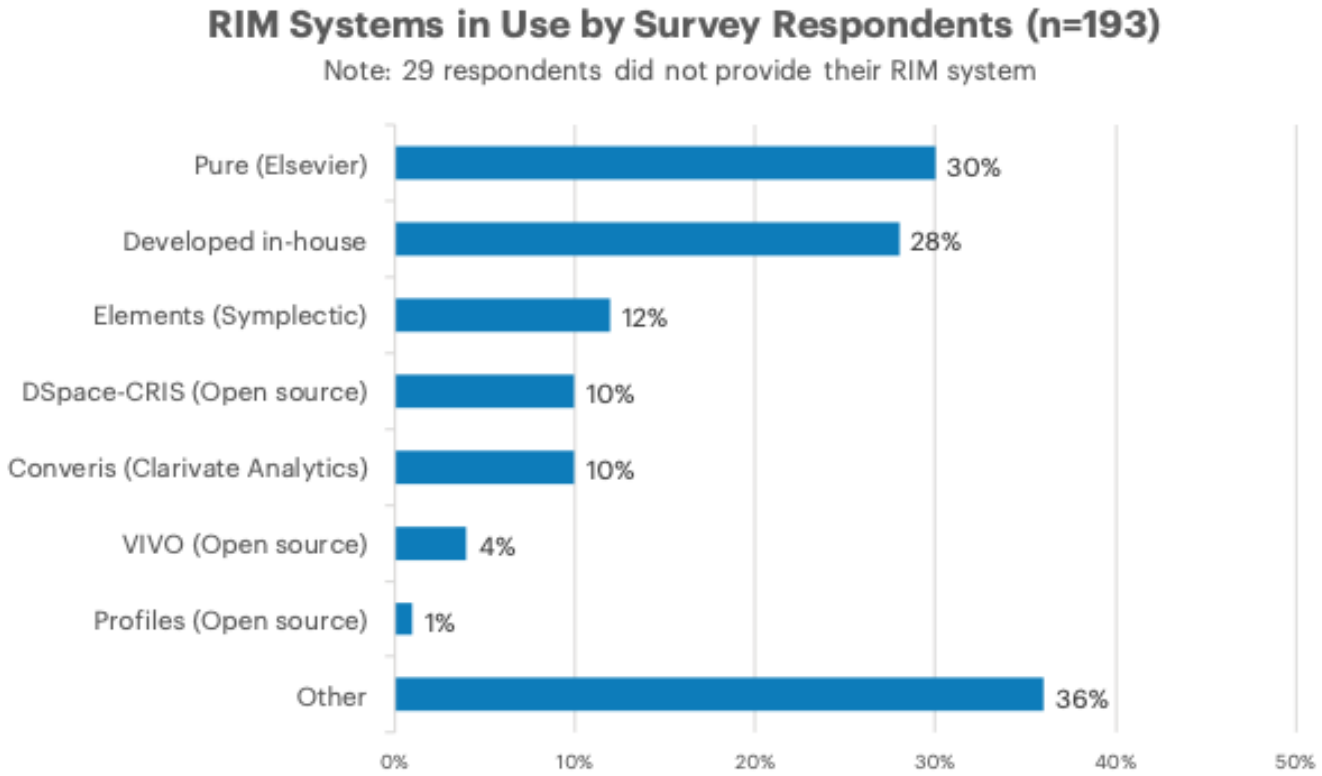
*1 respondent from each of the following countries:
Afghanistan, Albania, Azerbaijan, Barbados, Belize, Brazil, Hungary, Lebanon, Mexico, Namibia, Russia, Saudi Arabia, Slovakia, Sri Lanka, Sweden, Trinidad and Tobago, Turkey, Uganda, United Arab Emirates and Uruguay

** 107 respondents did not provide a country

Research Information Management Systems

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

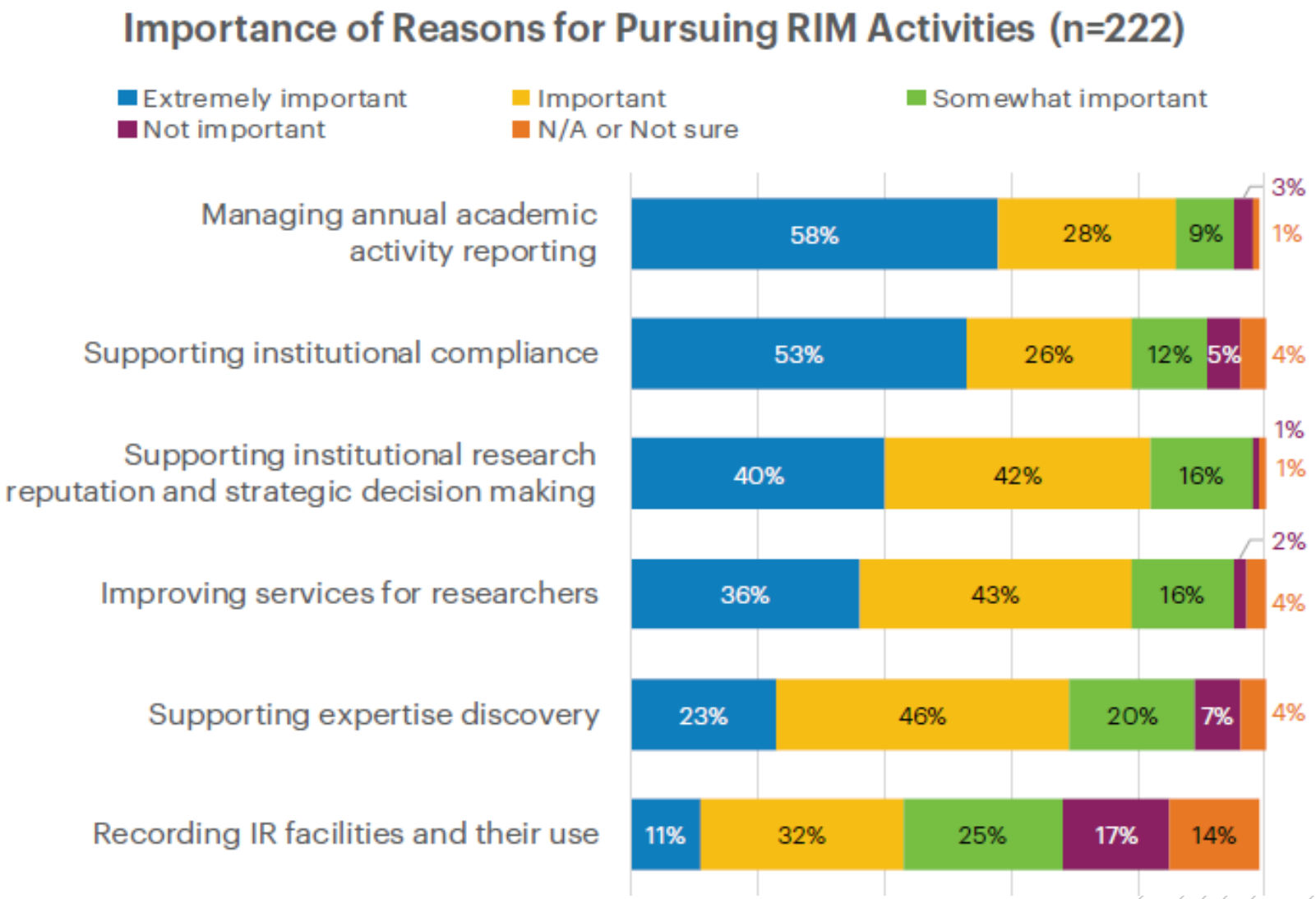


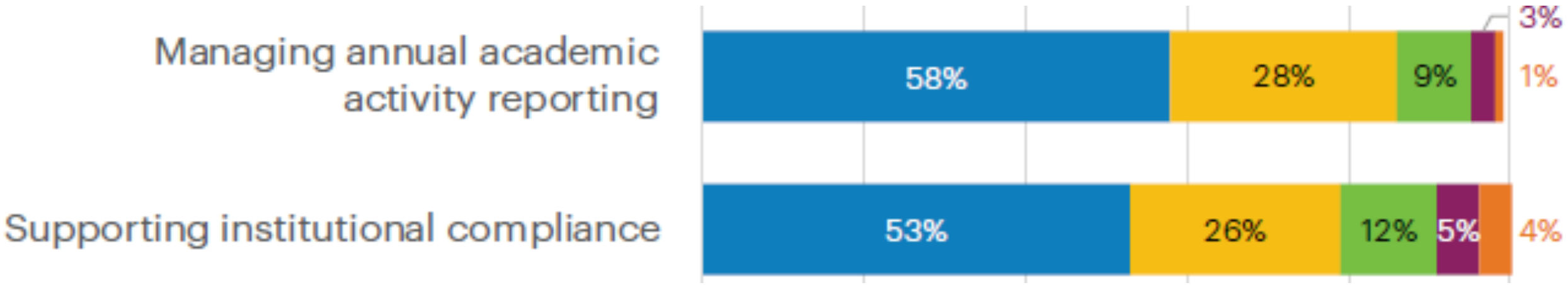


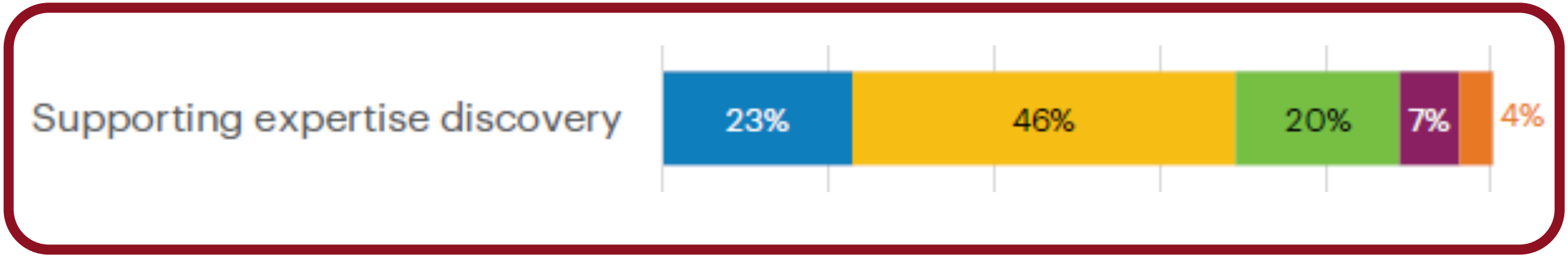
“Please indicate the importance of the following reasons for pursuing RIM activities”

- Managing annual academic activity reporting
- Supporting expertise discovery
- Supporting institutional compliance (e.g., funder mandates, national assessment exercise like REF or ERA, etc.)
- Supporting institutional reputation and strategic decision making
- Improving services for researchers
- Recording institutional research facilities and their use

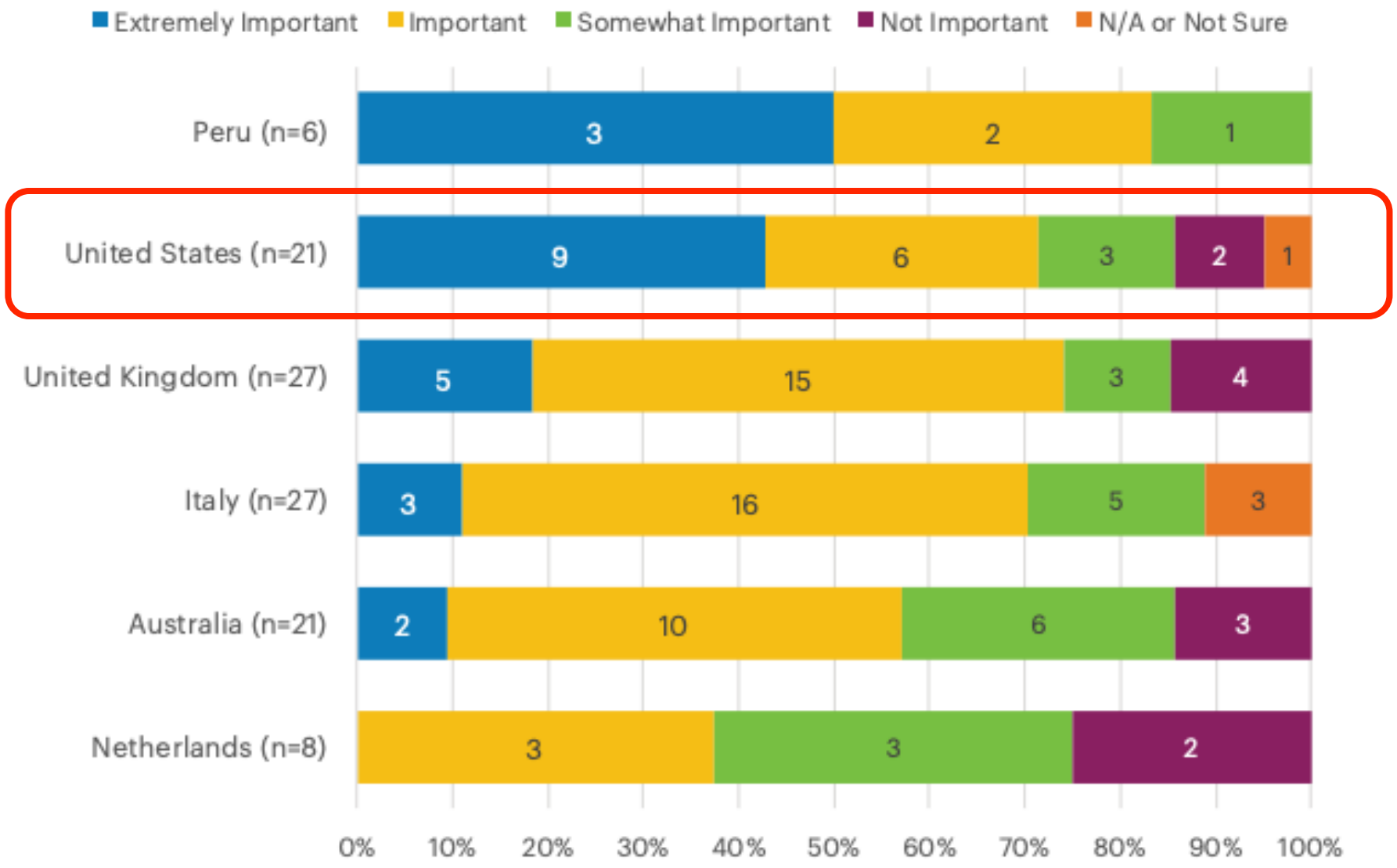
Reporting and compliance drive RIM adoption

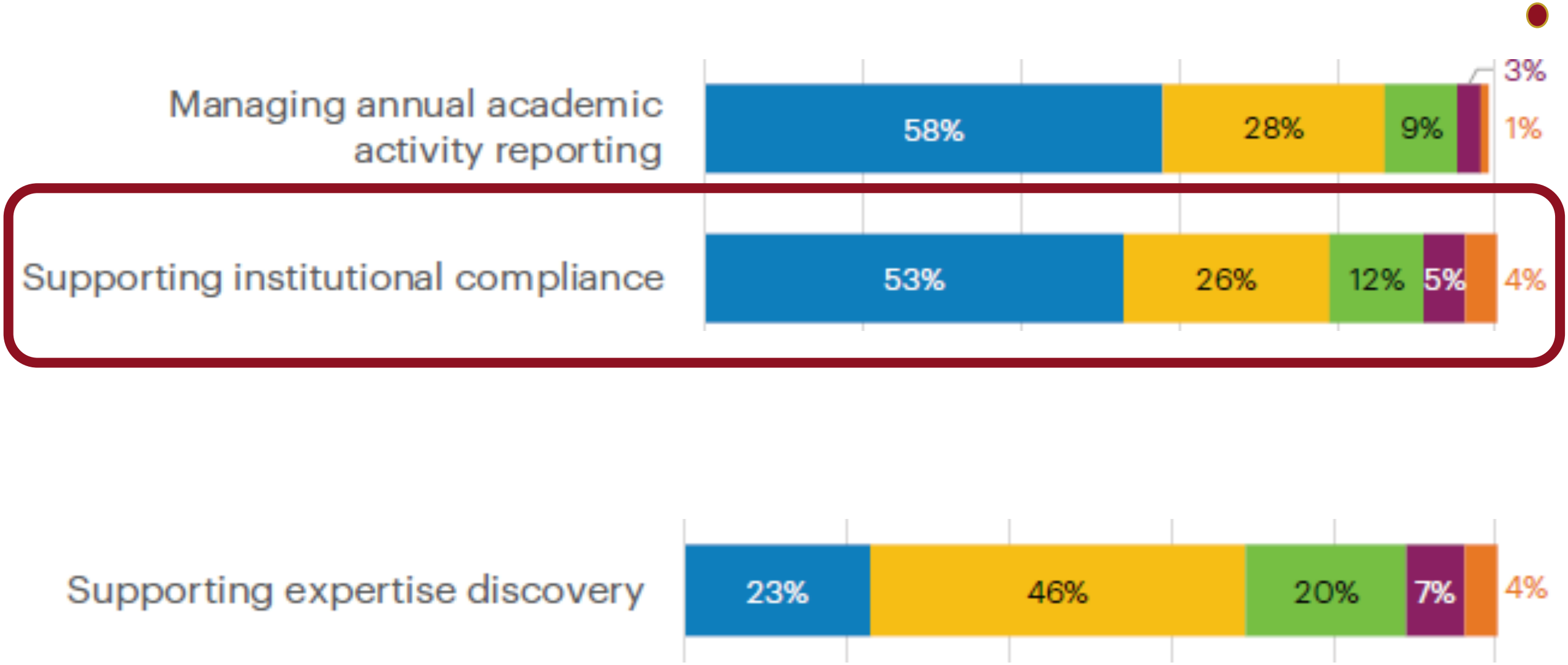



Managing annual academic activity reporting
58%
28%
9%
3%
1%
Supporting institutional compliance
53%
26%
12%
5%
4%


Supporting expertise discovery
23%
46%
20%
7%
4%

Importance of Supporting Expertise Discovery

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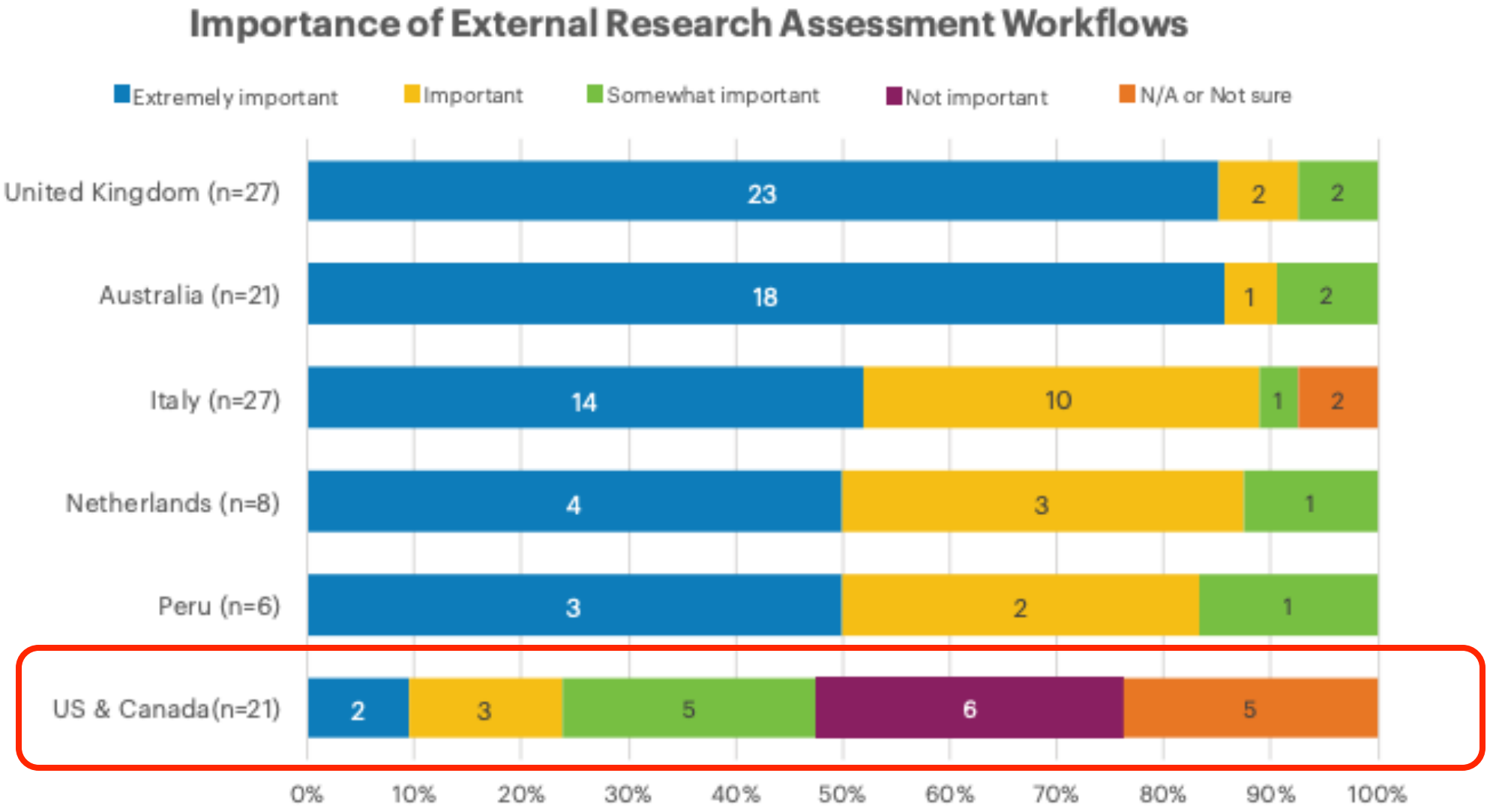


Summary: Reasons for adoption

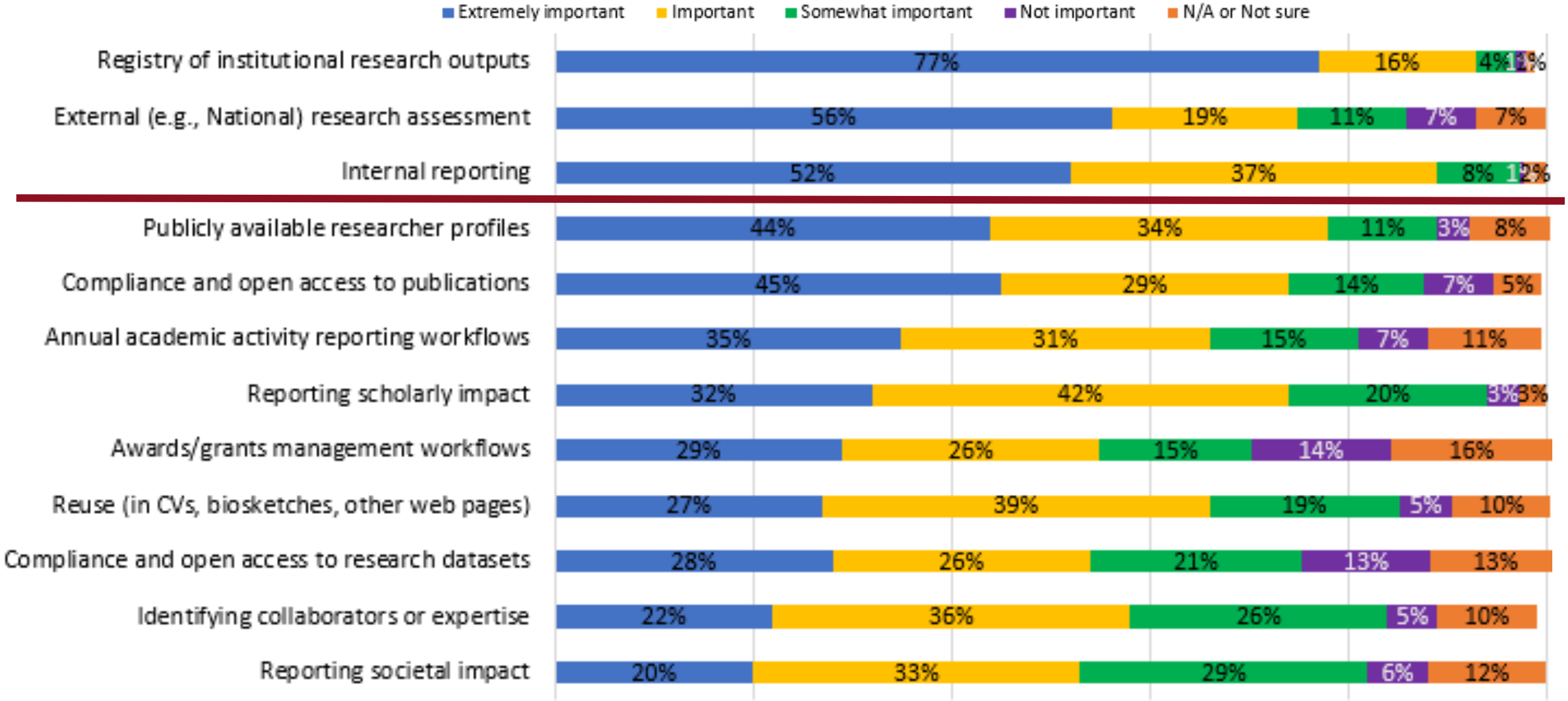
- US is an outlier
  - No national compliance requirements
  - Early emphasis on Research **Networking** Systems (e.g., Harvard Profiles)
- Action for the next survey
  - Different platforms emphasize different capabilities, so…
  - Increase promotion to Profiles RNS and VIVO communities
- Research Question for the next survey
  - Will incentives for new adopters of RIM shift away from compliance and toward expertise discovery?
  - Most institutions with reporting mandates will have already implemented RIM

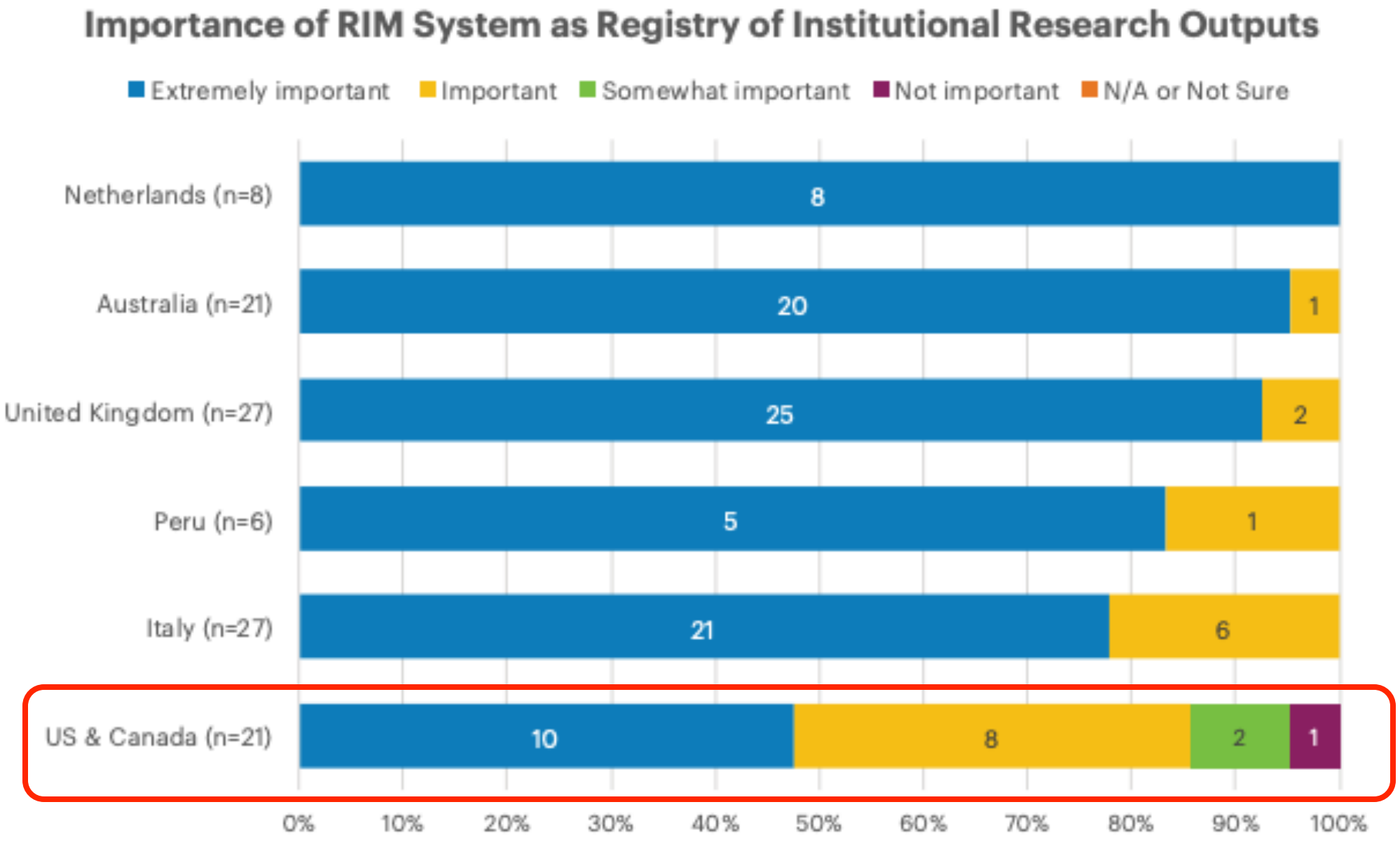
“How important are the following functions of RIM at your institution?”

- Registry of institutional research output
- Publicly available researcher profiles
- Reporting scholarly impact
- Reporting societal impact
- External (e.g., National) research assessment
- Internal reporting
- Annual academic activity reporting workflows
- Awards/grants management workflows
- Compliance and open access to publications
- Reuse (in CVs, biosketches, other web pages)
- Identifying collaborators or expertise

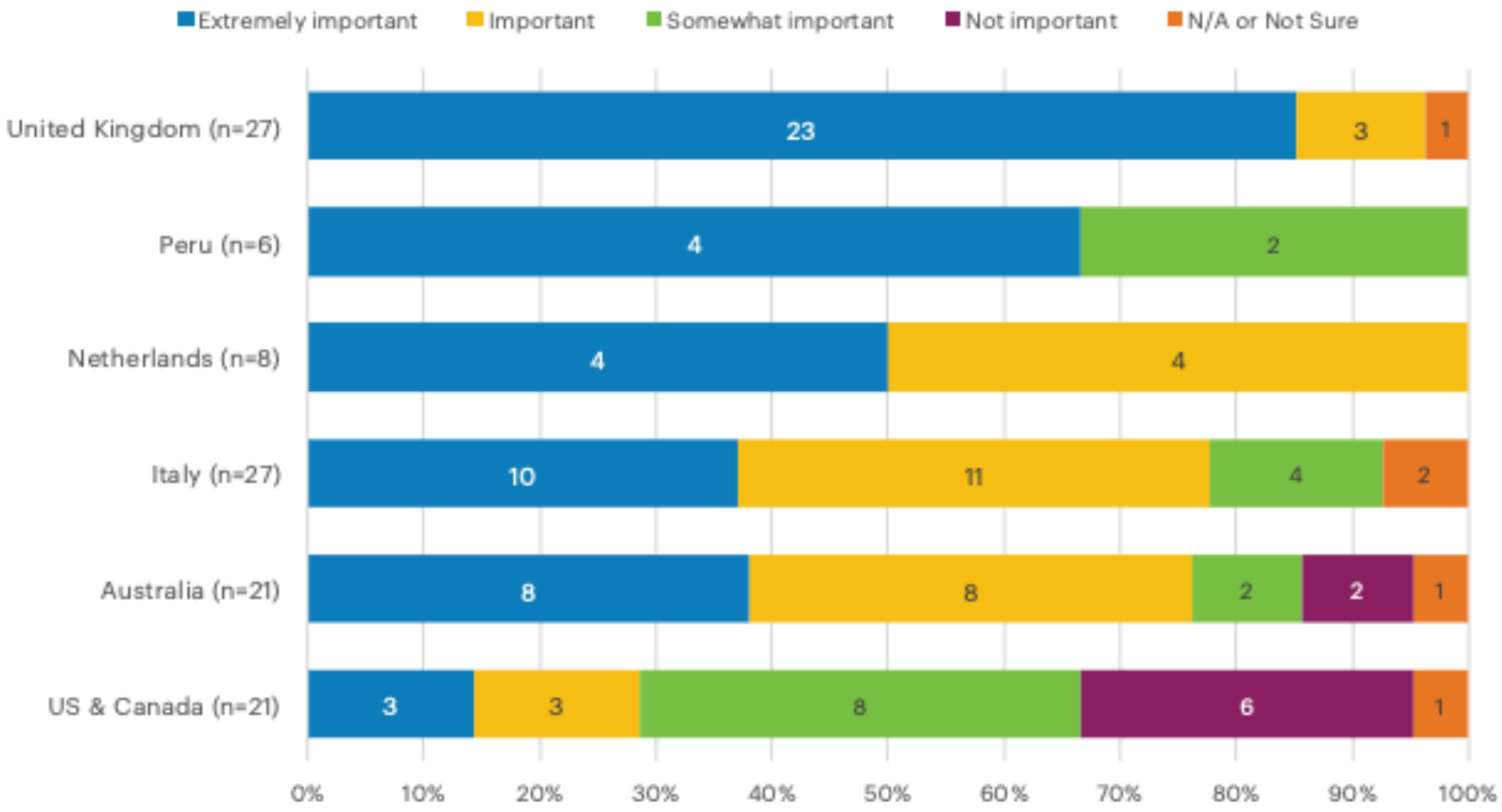
Important Functions of RIM (n=203)

Base: Institutions with a live RIM system

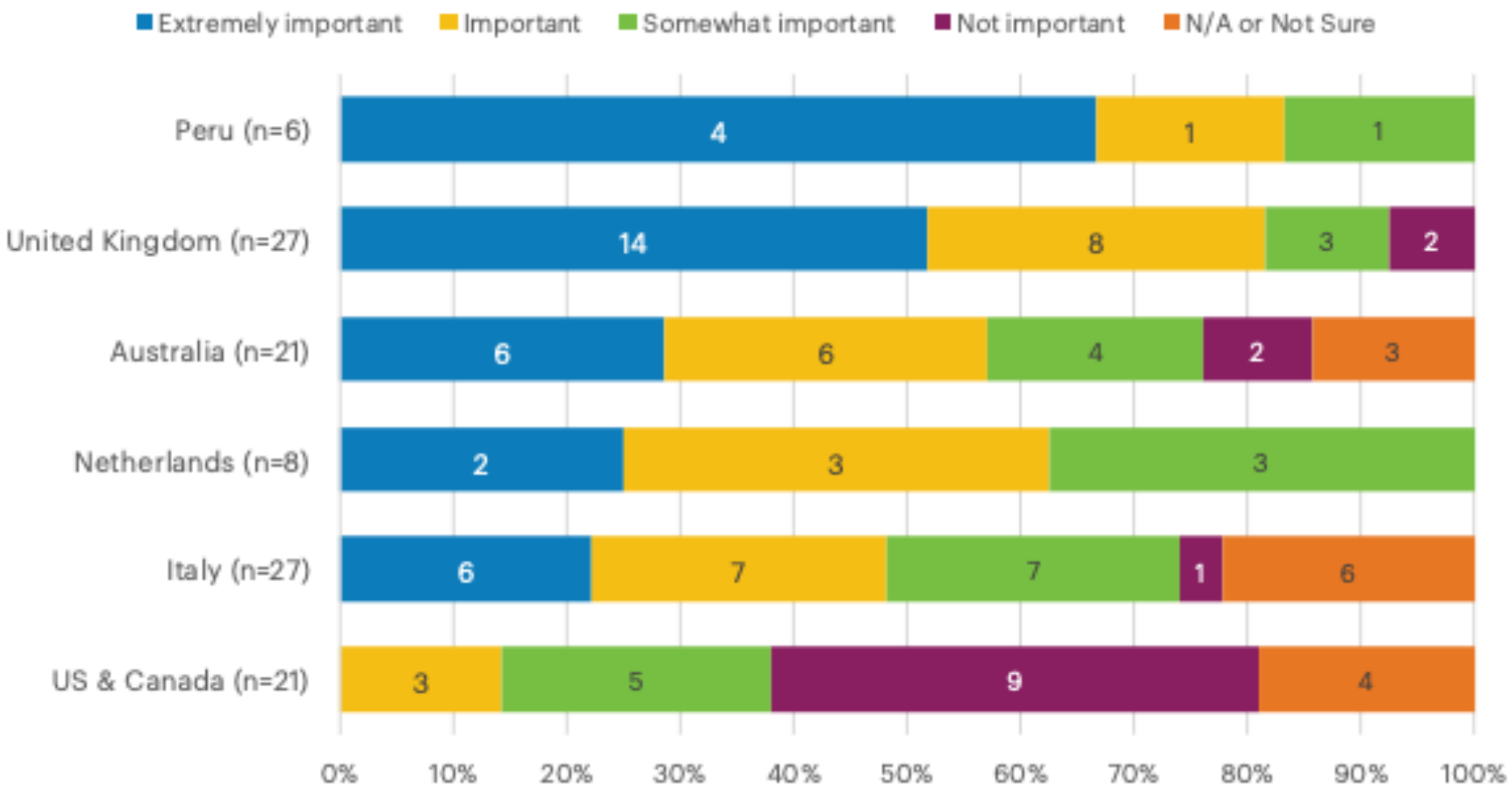




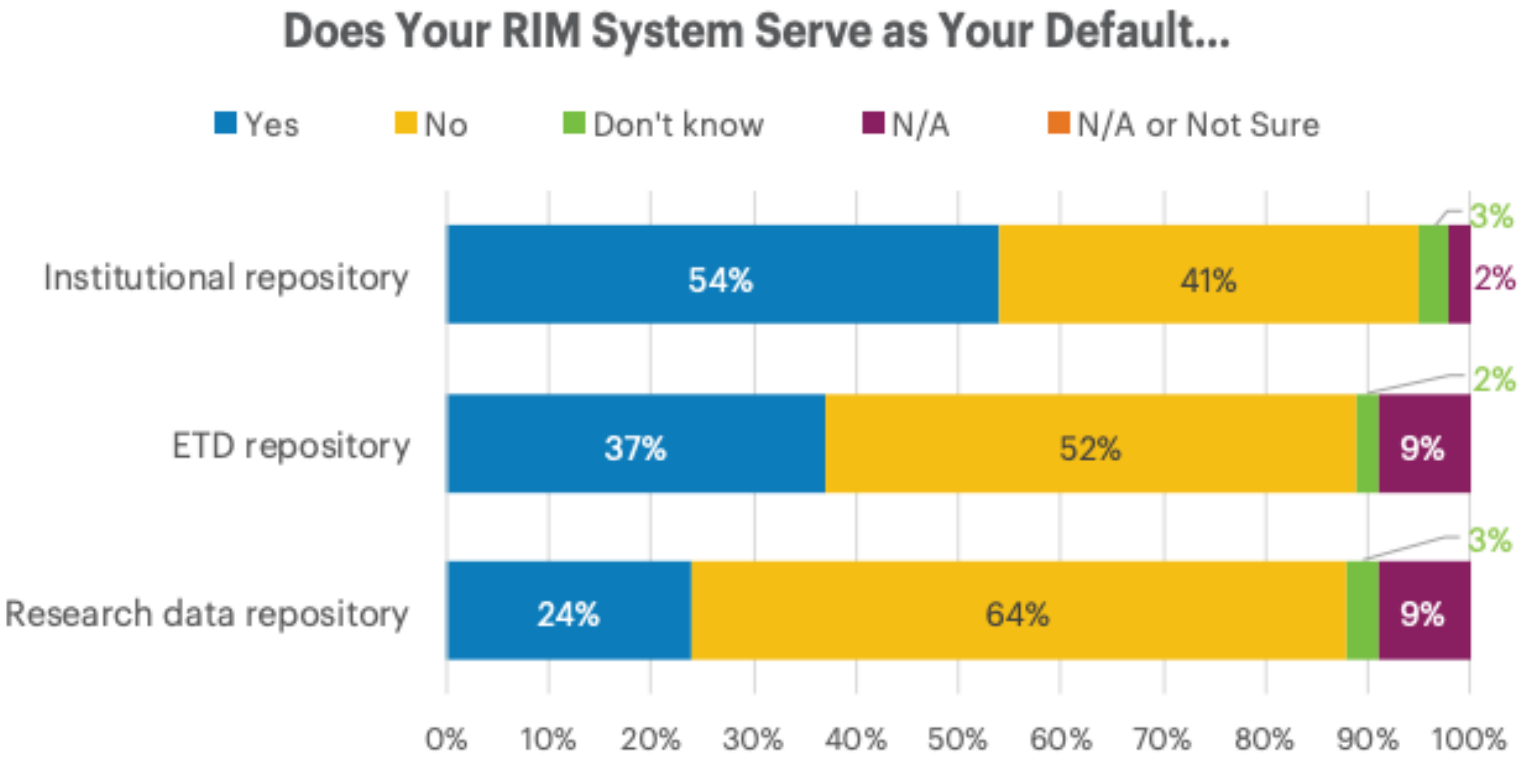
Importance of Compliance and Open Access to Publications



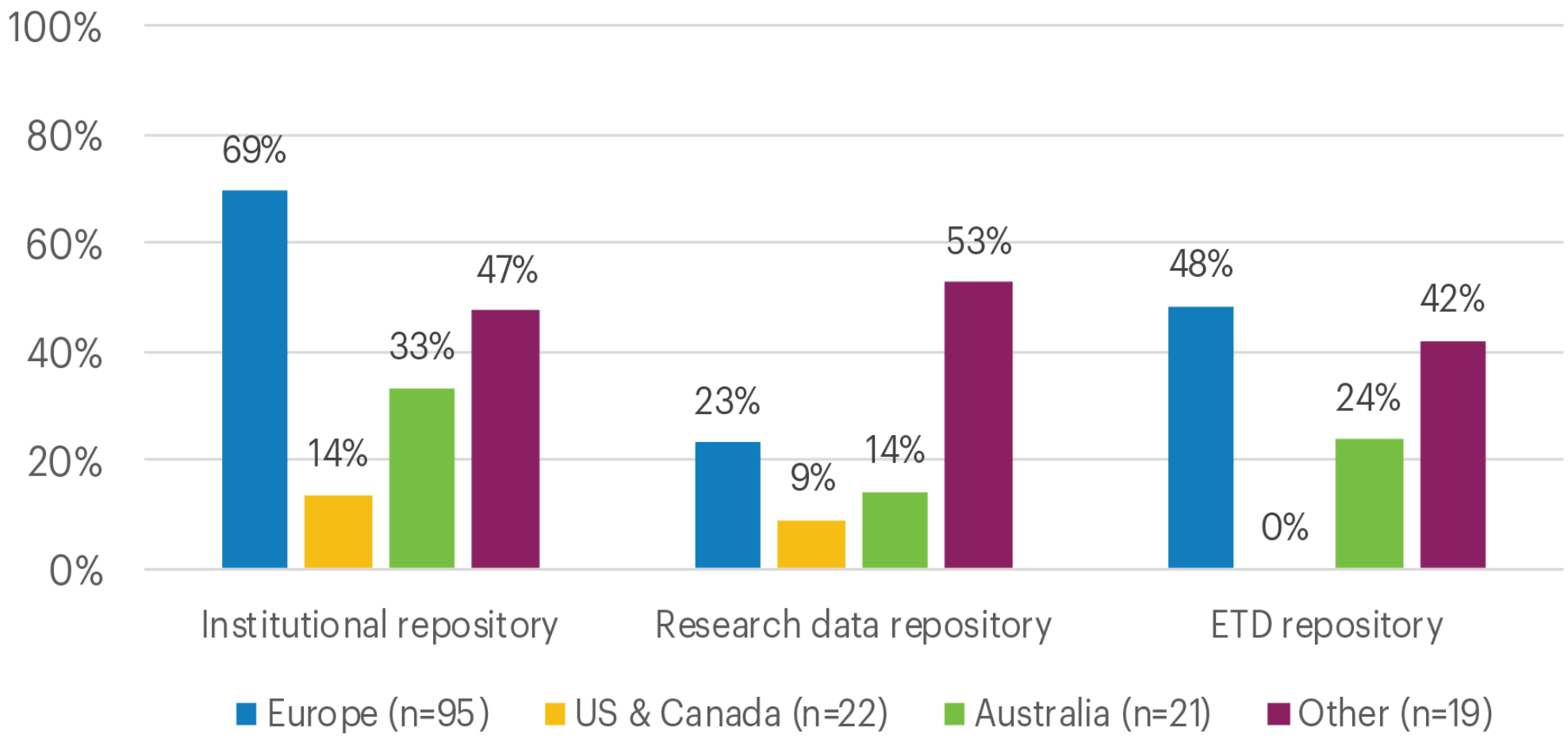
Importance of Compliance and Open Access to Datasets



Use of RIM Systems to support repository functions

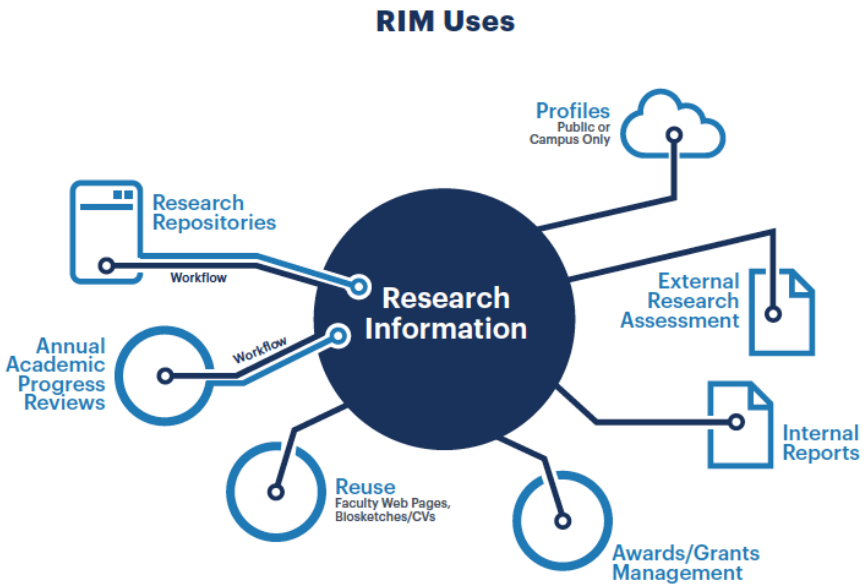


Does Your RIM System Serve as Your Default...

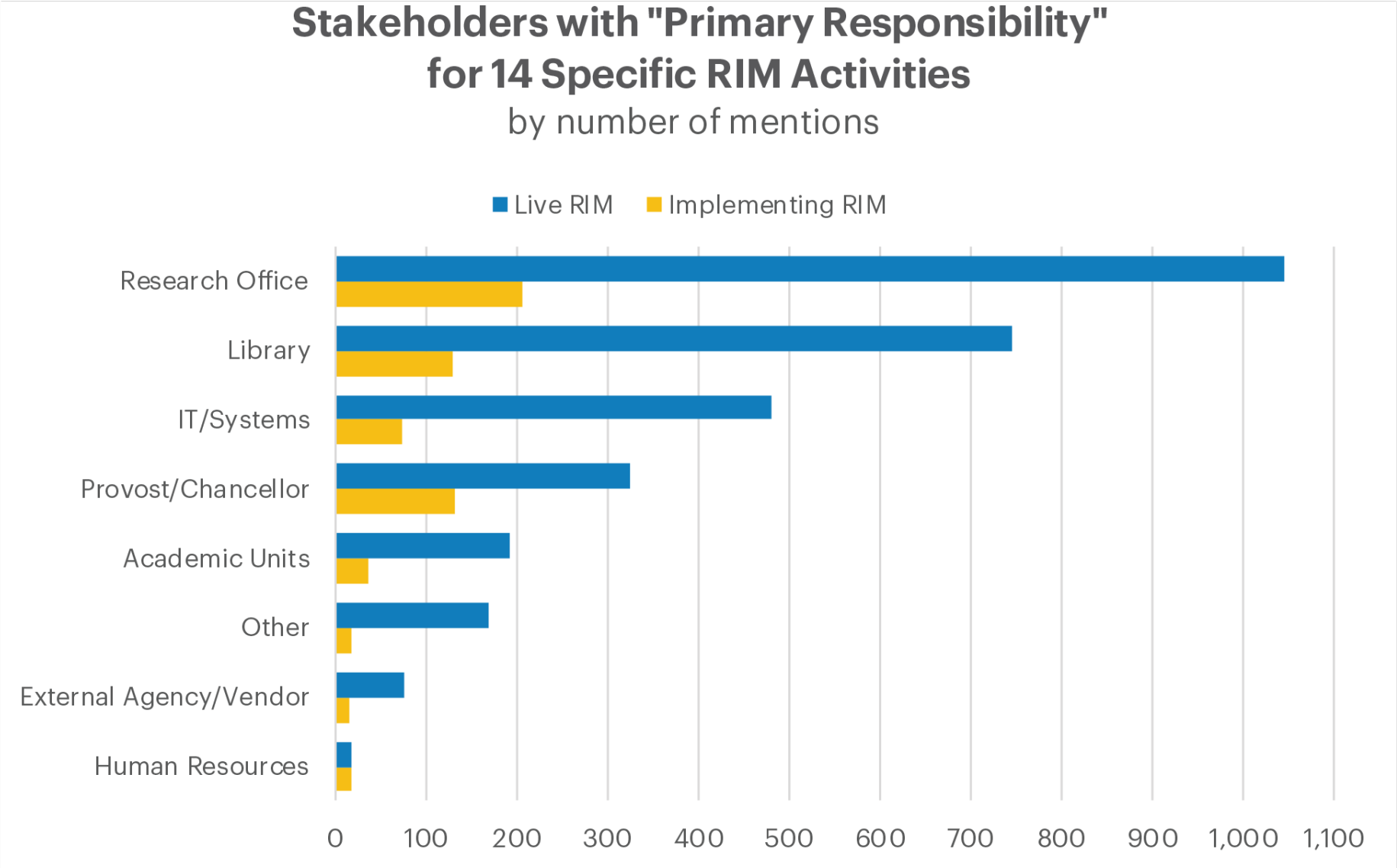


Summary: RIM Uses

- RIM has *multiple* uses at most institutions
  - 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

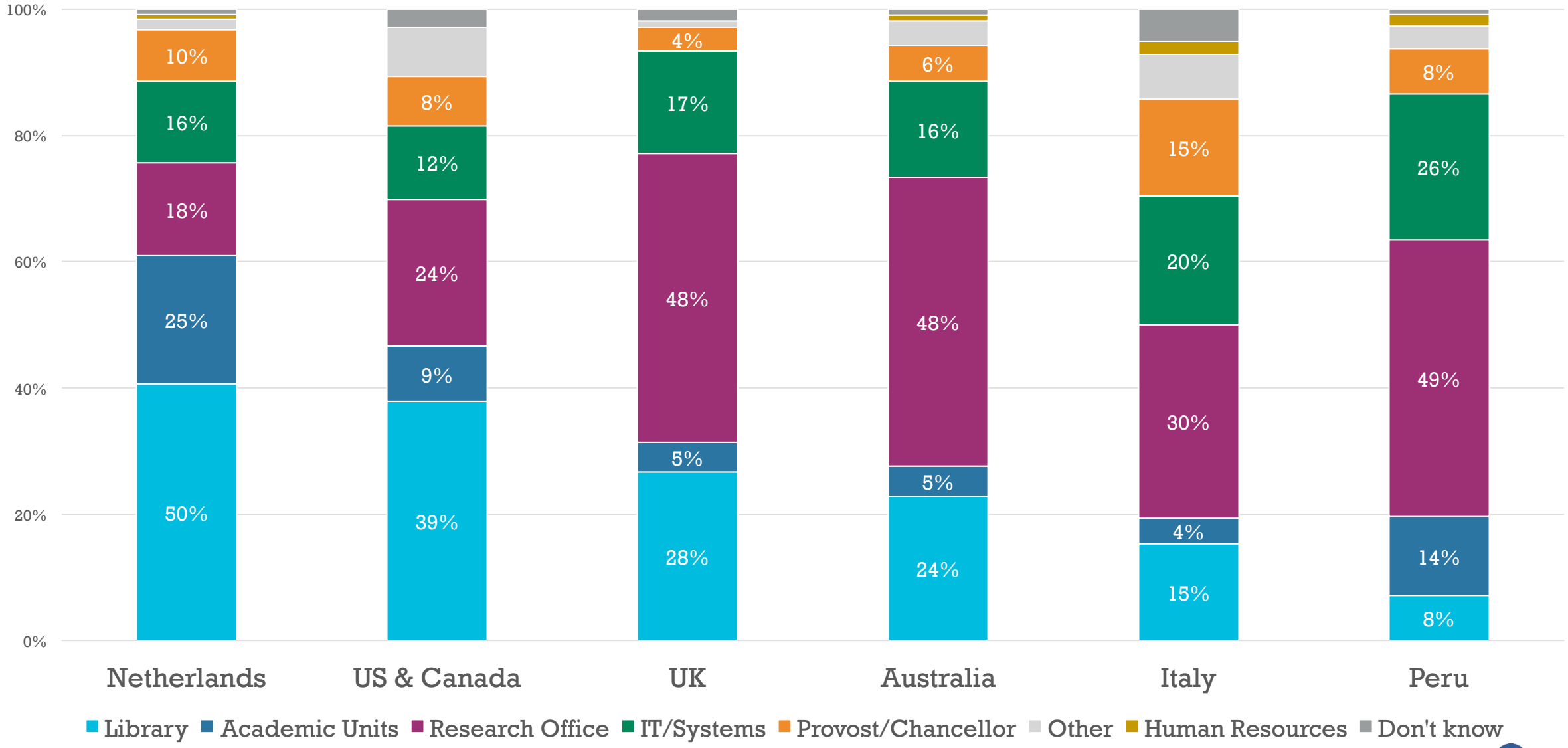


Stakeholders



Stakeholders with Primary Responsibility for RIM Activities by Country

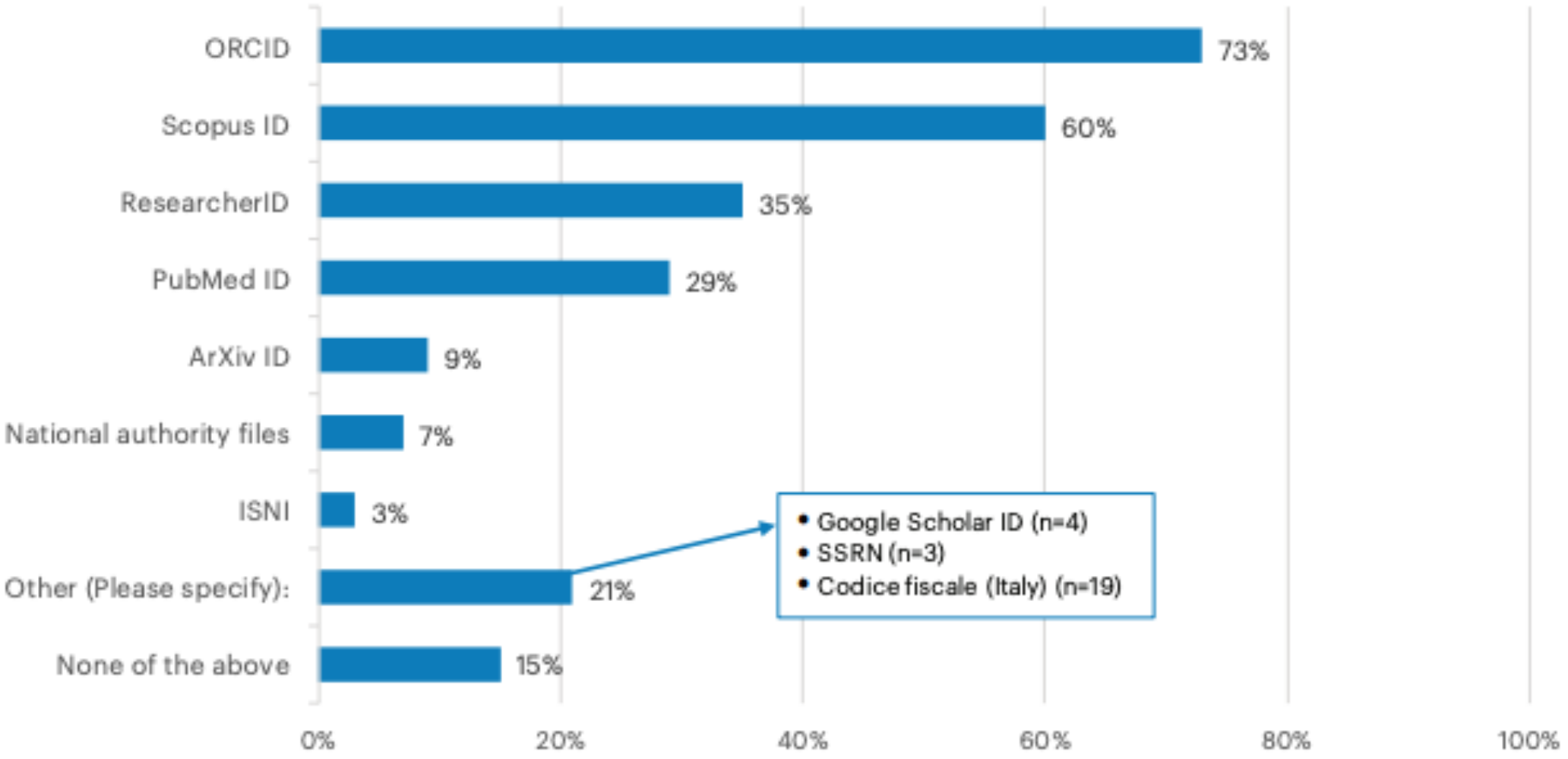
Based on # of Mentions (Decreasing Importance of Library)
Base: Institution with a Live RIM system



Persistent Identifiers

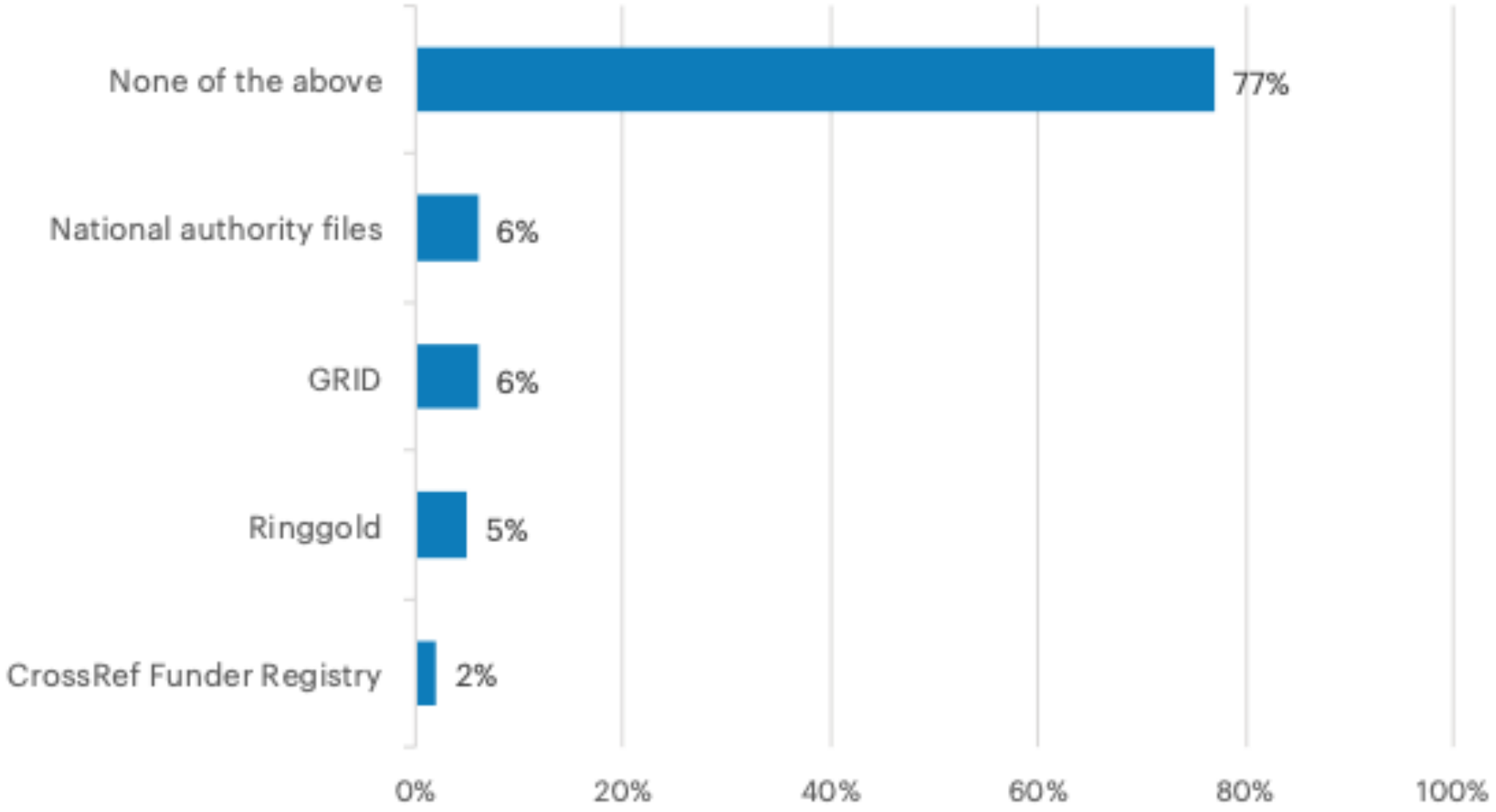
Researcher Identifiers Used in Your RIM system (n=182)

Note: Respondents could select more than one answer



Organization Identifiers Used in Your RIM System (n=162)

Note: Respondents could select more than one answer



Summary: Persistent Identifiers

- 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. . . for now**

*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

References

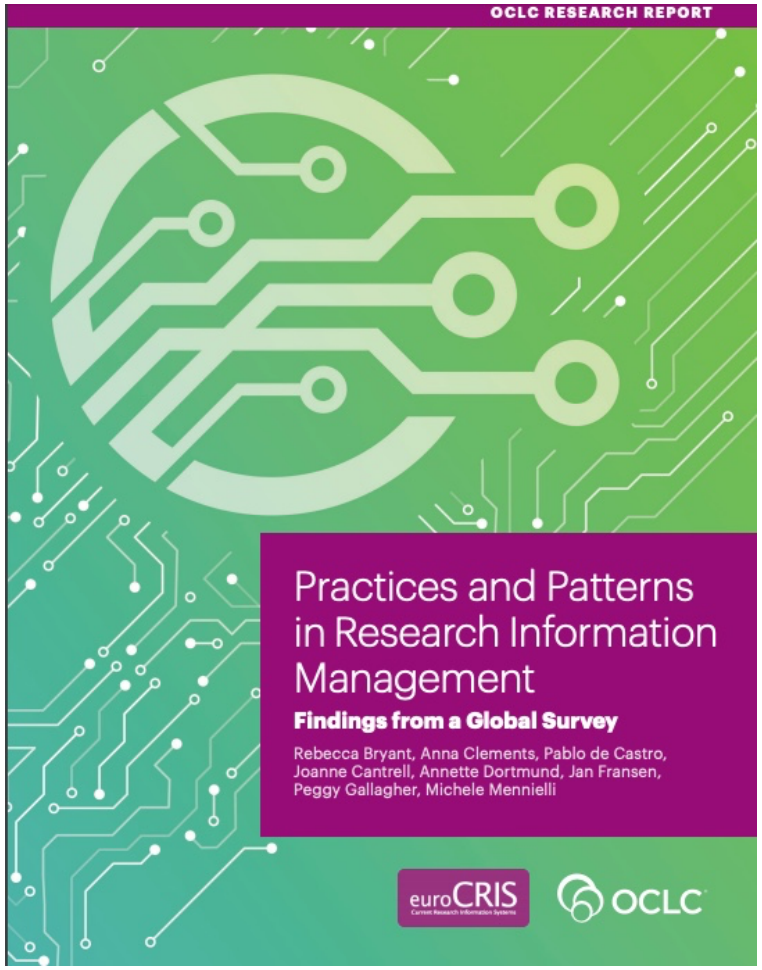
Bryant, Rebecca, Anna Clements, Carol Feltes, David Groenewegen, Simon Huggard, Holly Mercer, Roxanne Missingham, Maliaca Oxnam, Anne Rauh and John Wright. 2017. *Research Information Management: Defining RIM and the Library's Role*. Dublin, OH: OCLC Research. doi: 10.25333/C3NK88

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

Bryant, Rebecca, Anna Clements, Pablo de Castro, Joanne Cantrell, Annette Dortmund, Jan Fransen, Peggy Gallagher, and Michele Mennielli. 2018. *Practices and Patterns in Research Information Management: Findings from a Global Survey*. Dublin, OH: OCLC Research. https://doi.org/10.25333/BGFG-D241

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



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