Present and Future Trends in Expert Finder Systems

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February 28, 2019 | EFS National Forum 2019 | Orlando, FL

University of Colorado **Boulder**

#expertfindersystems | @mcdonald

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Expert Finder Systems

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Jennifer Balch

FOLLOW

Director of Earth Lab & Assistant Professor, Department of Geography, University of Colorado-Boulder
Verified email at colorado.edu - Homepage

TITLE	CITED BY	YEAR
Fire in the Earth system DMJS Bowman, JK Balch, P Artaxo, WJ Bond, JM Carlson, MA Cochrane, ... science 324 (5926), 481-484	1629	2009
The Amazon basin in transition EA Davidson, AC de Araújo, P Artaxo, JK Balch, IF Brown, ... Nature 481 (7381), 321	689	2012
The human dimension of fire regimes on Earth DMJS Bowman, J Balch, P Artaxo, WJ Bond, MA Cochrane, CM D'antonio, ... Journal of biogeography 38 (12), 2223-2236	466	2011
Introduced annual grass increases regional fire activity across the arid western USA (1980–2009) JK Balch, BA Bradley, CM D'antonio, J Gómez-Dans Global Change Biology 19 (1), 173-183	302	2013

Cited by	All	Since 2014
Citations	4478	3370
h-index	19	17
i10-index	26	24

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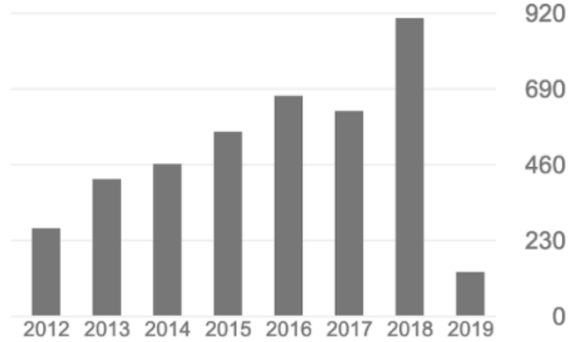

Connectedness

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EFS Drivers

Focus	Description
Usefulness (UX)	▪ Research information management practices are complex, and institutions frequently use several systems to support research information workflows that increasingly demand greater interoperability–with both internal and external systems.
Researcher	▪ The researcher must be supported in ways to utilize the expert finder system that take into account their workflows and incentives for use. It has to be easy to use and useful to the researcher.
Institution	▪ May institutions use these systems to assess their output and to review areas for potential growth. Use of the systems in this way do not always take advantage of best practices in data governance and management. Using tools simply for compliance won't ensure long-term best practices for university data.
Funding Agency	▪ Lack of coordination across the many federal agencies in the U.S. has fragmented the use of expert finder systems. Models like EuroCRIS could help but would require lots of cooperation at many different levels of the research eco-system.
Discipline	▪ Disciplines and societies are starting to understand the value in expert finder systems as they extend into the publication sphere and are linked to research outputs, ex. journals, data, instruments, research resources, but mostly these have been too late when coming out of the commercial publishing sector.

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euroCRIS
Current Research Information Systems

The International Organisation for Research Information

News

CRIS2018 proceedings published

08-02-2019

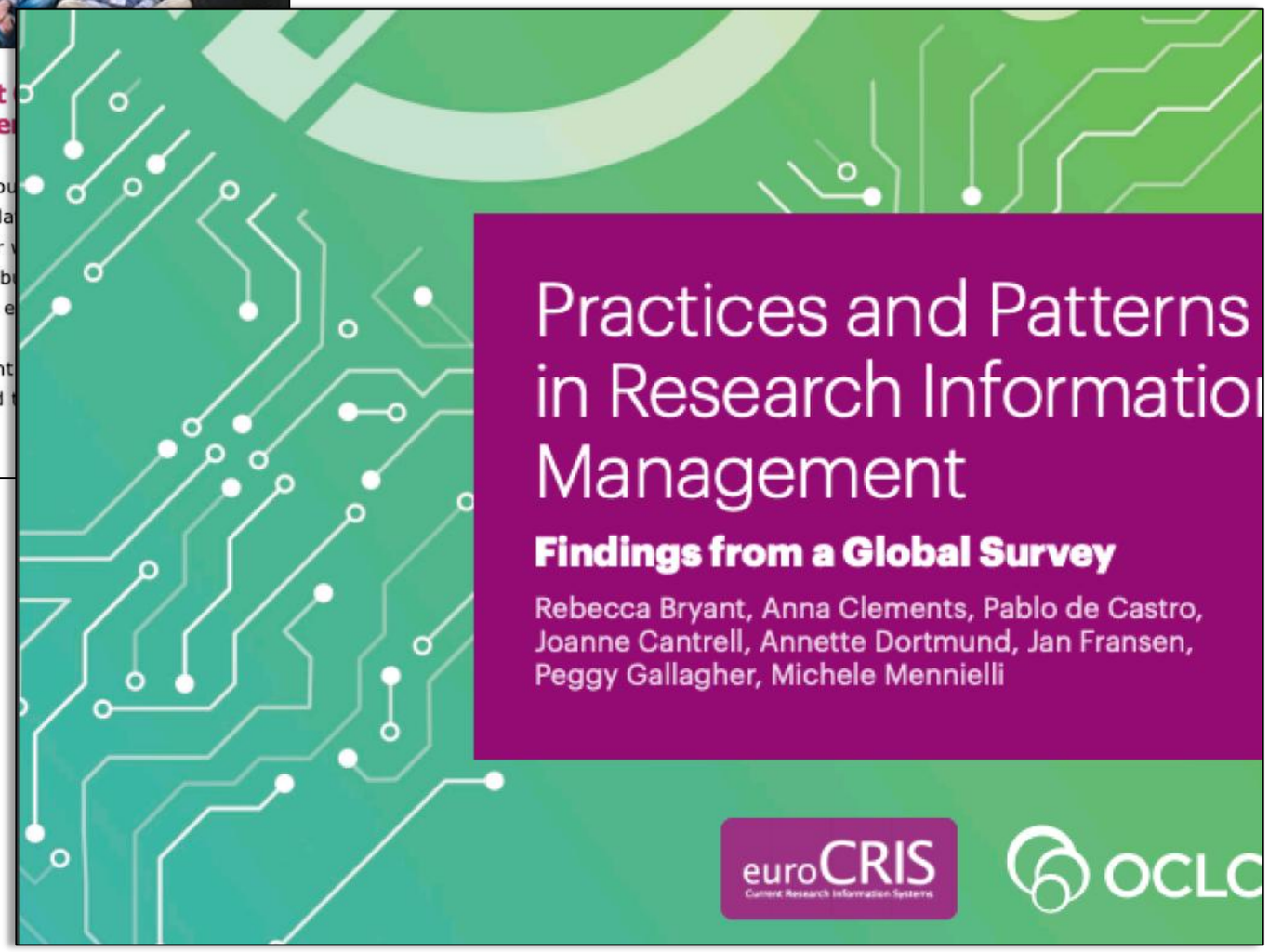
The special issue of Procedia Computer Science where the selected proceedings for the CRIS2018 conference in Umeå have been published is already available online.

OCLC webinar on the joint euroCRIS/OCLC RIM survey

euroCRIS Spring 2019 membership meeting at
"Taking steps towards international CRIS syste

The venue for the Spring 2019 membership meeting was annou
SMM Warsaw: **CSC in Espoo/Helsinki, Finland**. The event da
2019. The event website will soon become available, together
meantime, please check the call for proposals below for contrib
sent out on Jan 23rd with a deadline for submissions until the e

While euroCRIS members will enjoy free registration, the event
a €60 registration fee. Attending non-members will be entitled
upon registration.



Universities

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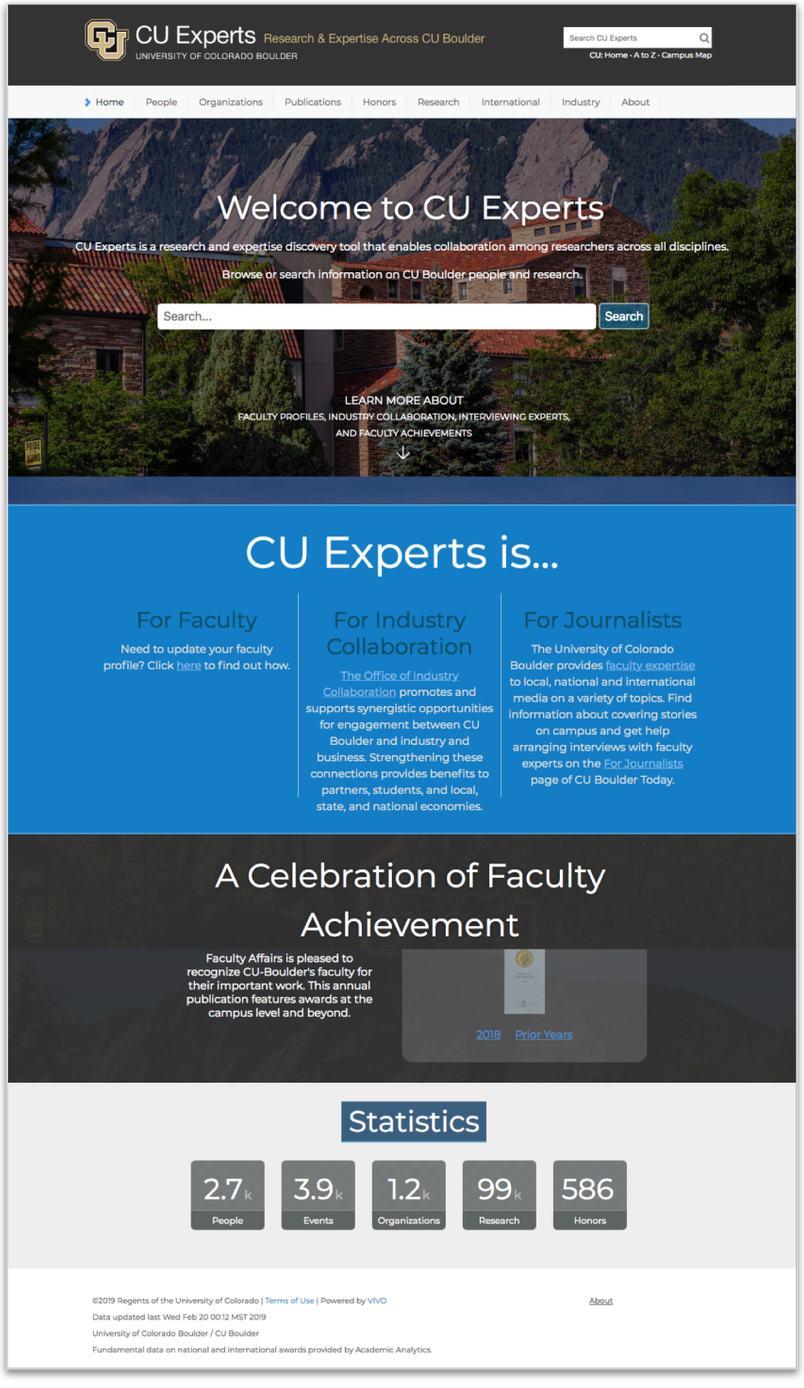
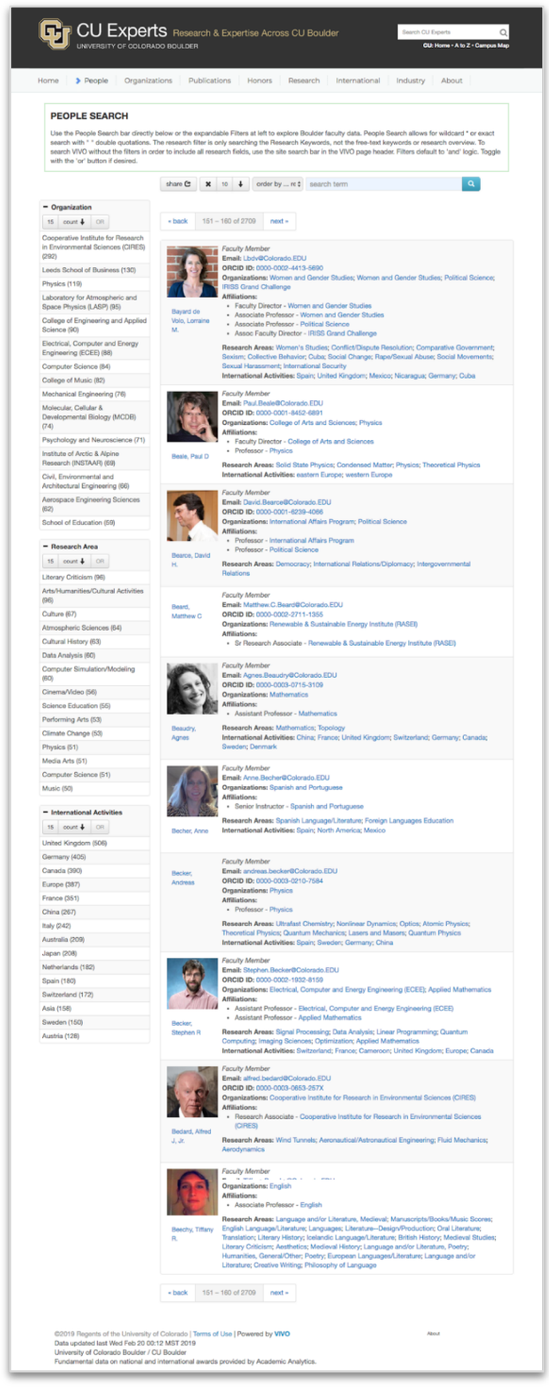
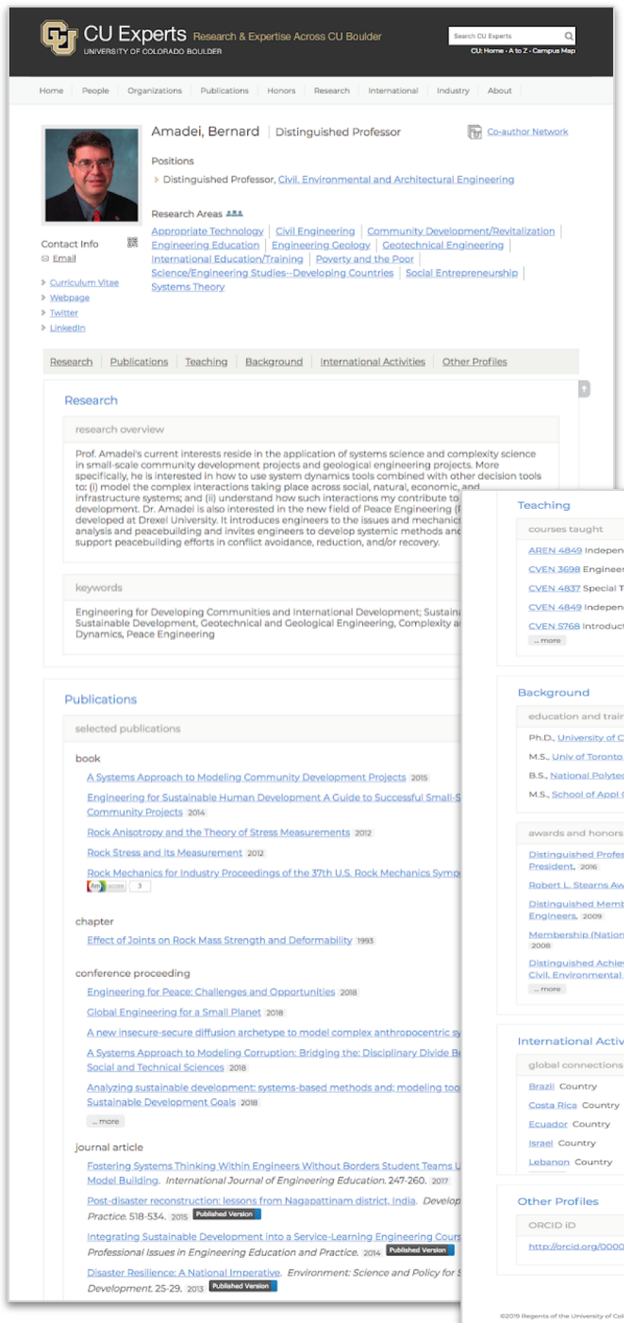
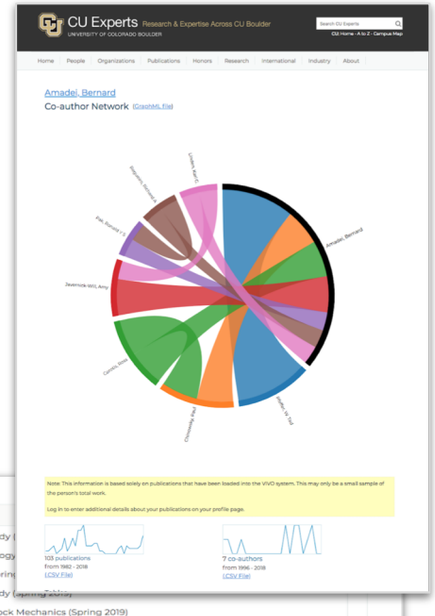
CU EXPERTS - https://experts.colorado.edu



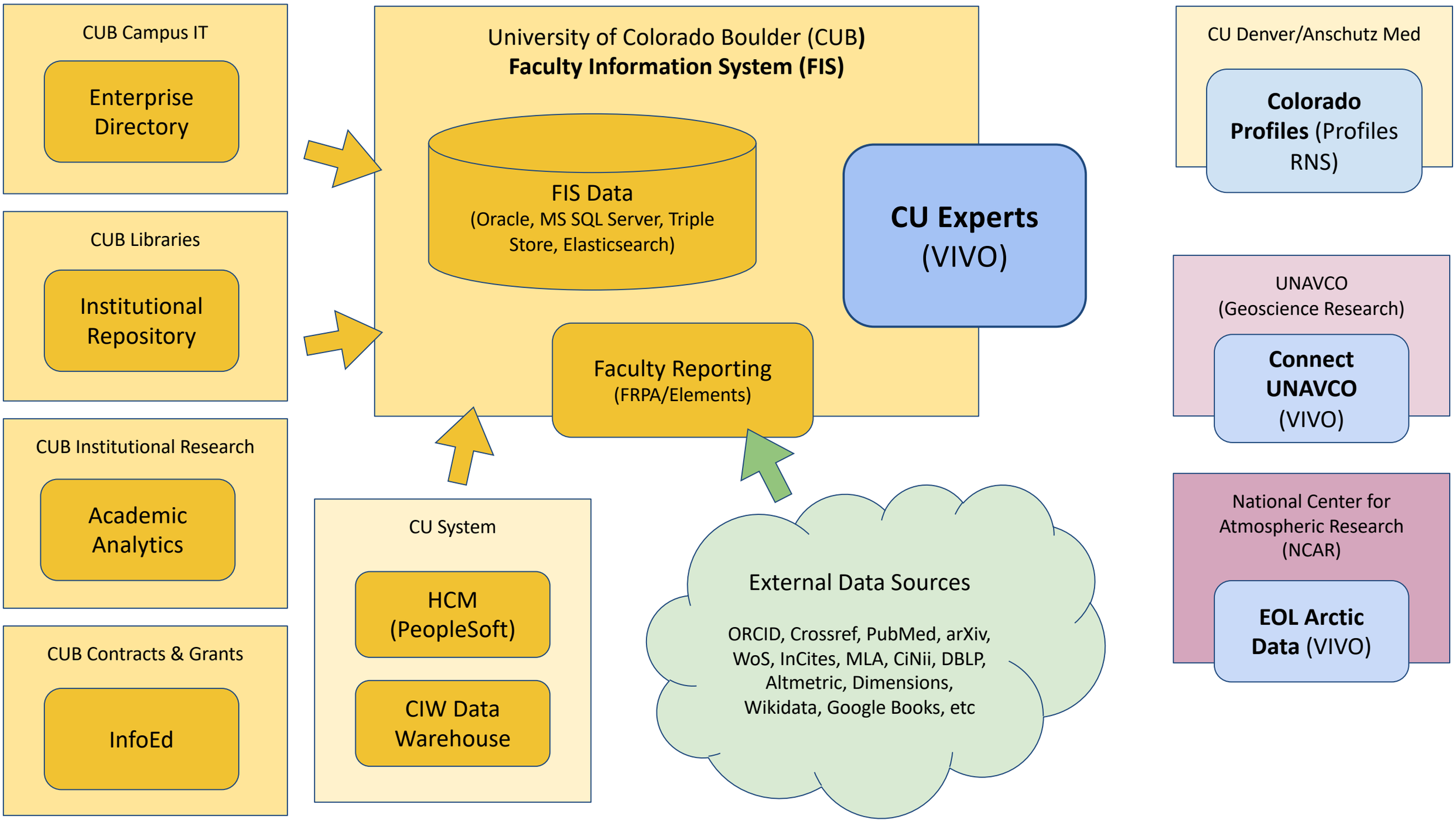






Courtesy Alex Viggio – CU Experts Team

CU EXPERTS ARCHITECTURE



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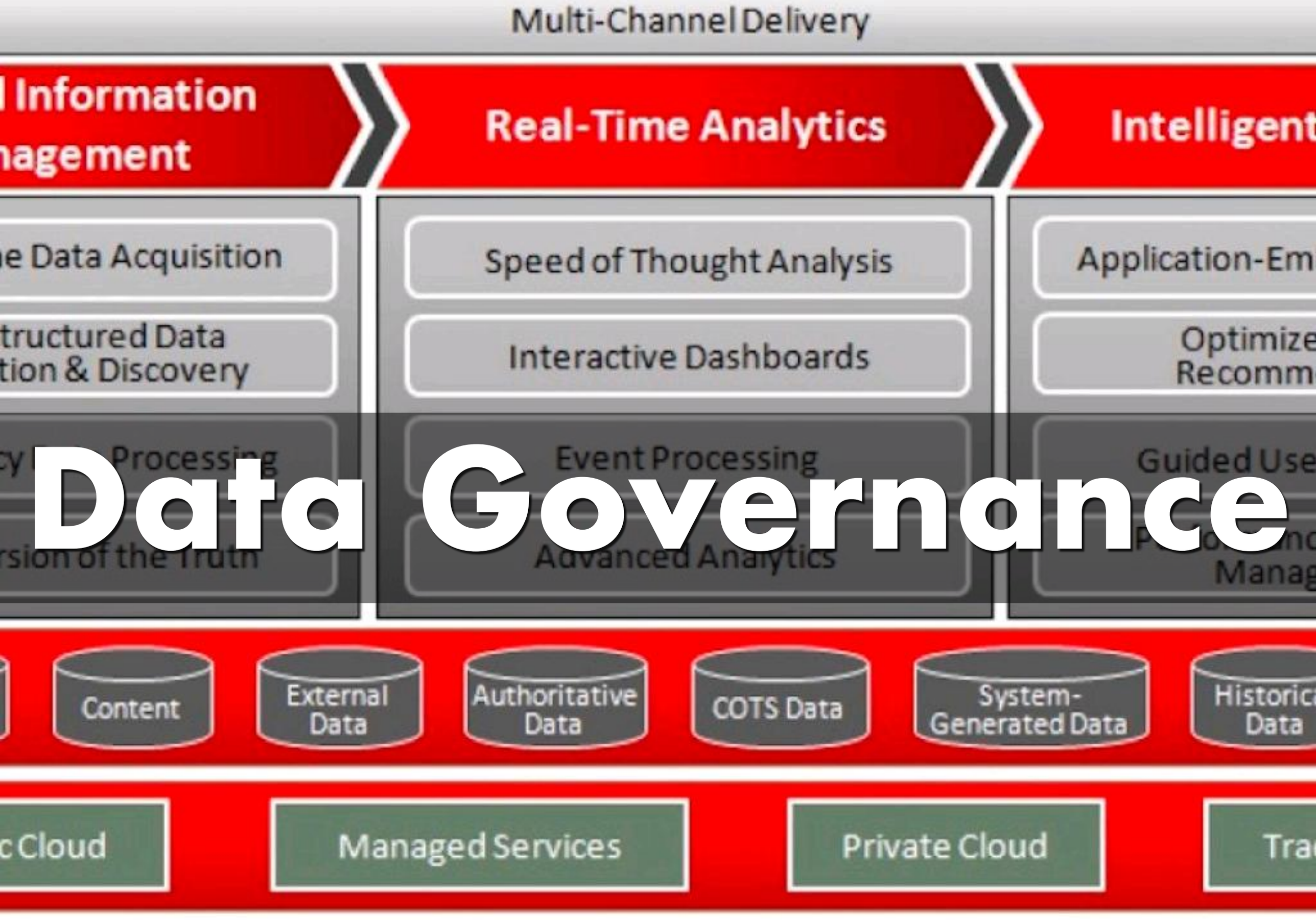

Data Governance

Oracle White Paper: Big Data & Analytics Reference Architecture - https://www.oracle.com/assets/oracle-wp-big-data-refarch-2019930.pdf

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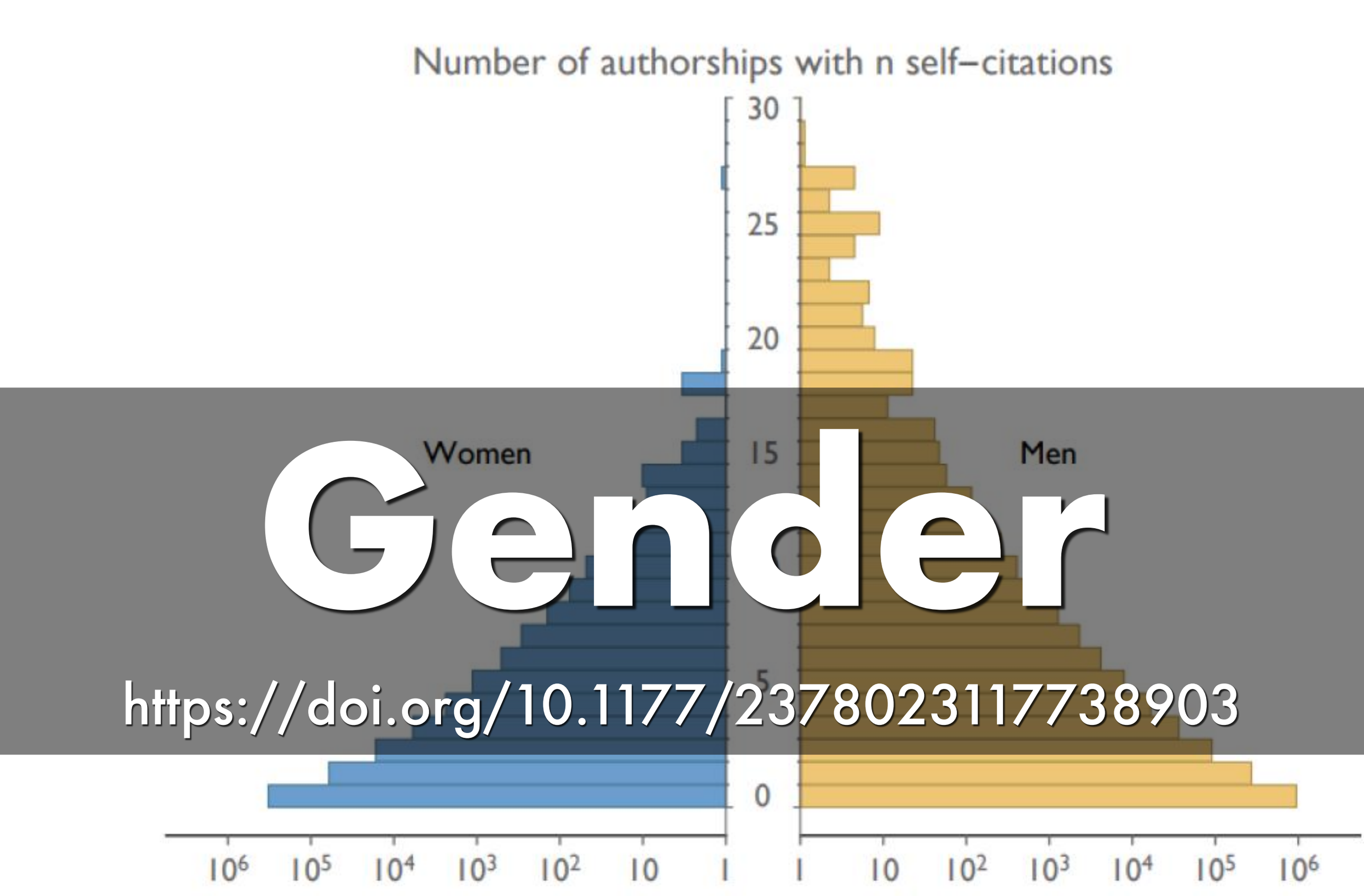


Gender

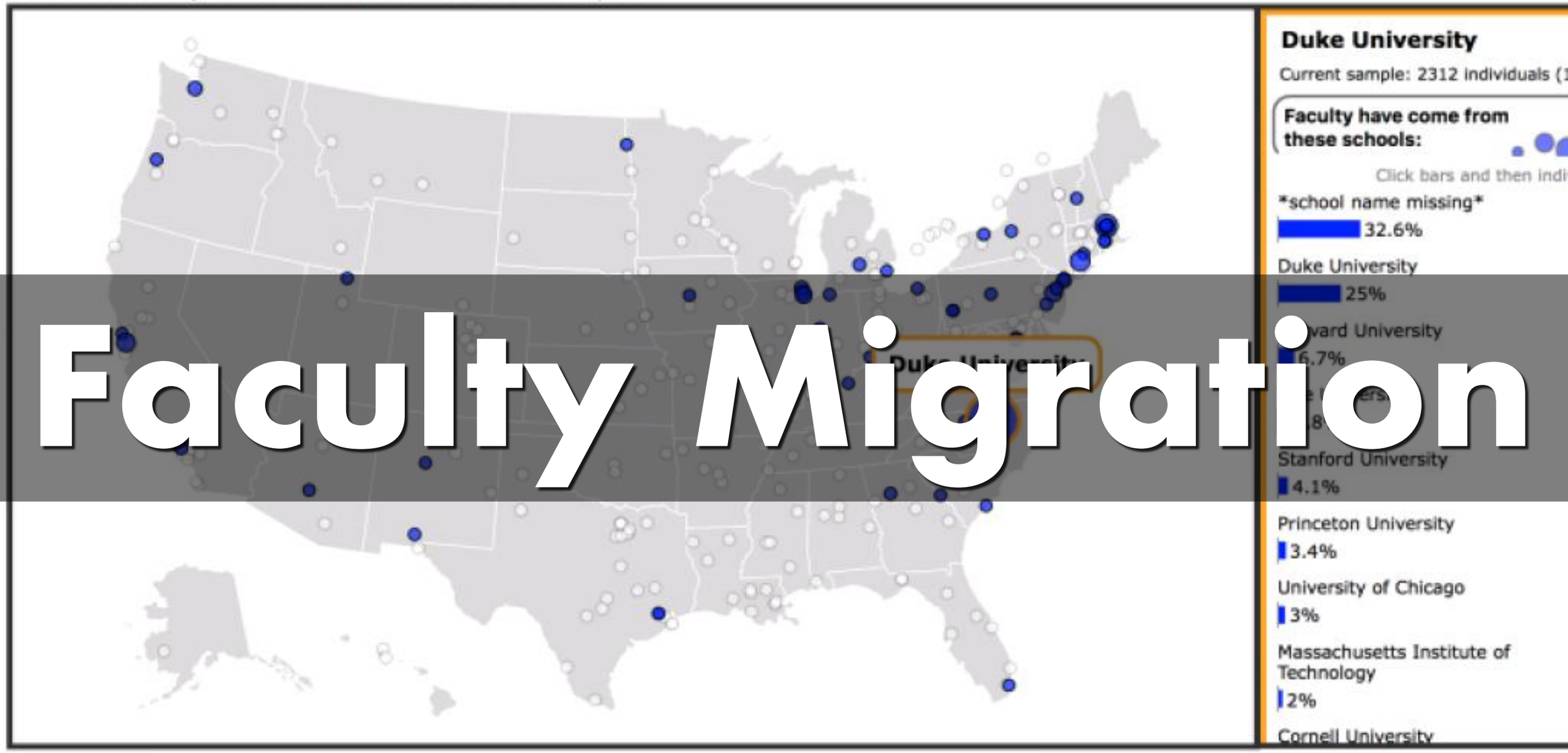
https://doi.org/10.1177/2378023117738903

g, M et al. (2016) Men set their own cites high: Gender and self-citation across fields and over t

Courtesy Jevin West Lab - https://www.jevinwest.org/

U.S. ACADEMIC MIGRATION MAP

Where do people who pursue academic careers in the U.S. go on to land faculty positions after earning their advanced degrees?
Where do faculty come from? Click on a school to explore.



Faculty Migration

Eigenfactor.org/projects/migration/

Data source

Courtesy Jevin West Lab - https://www.jevinwest.org/

Libraries

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OCLC/EuroCRIS Survey 2018

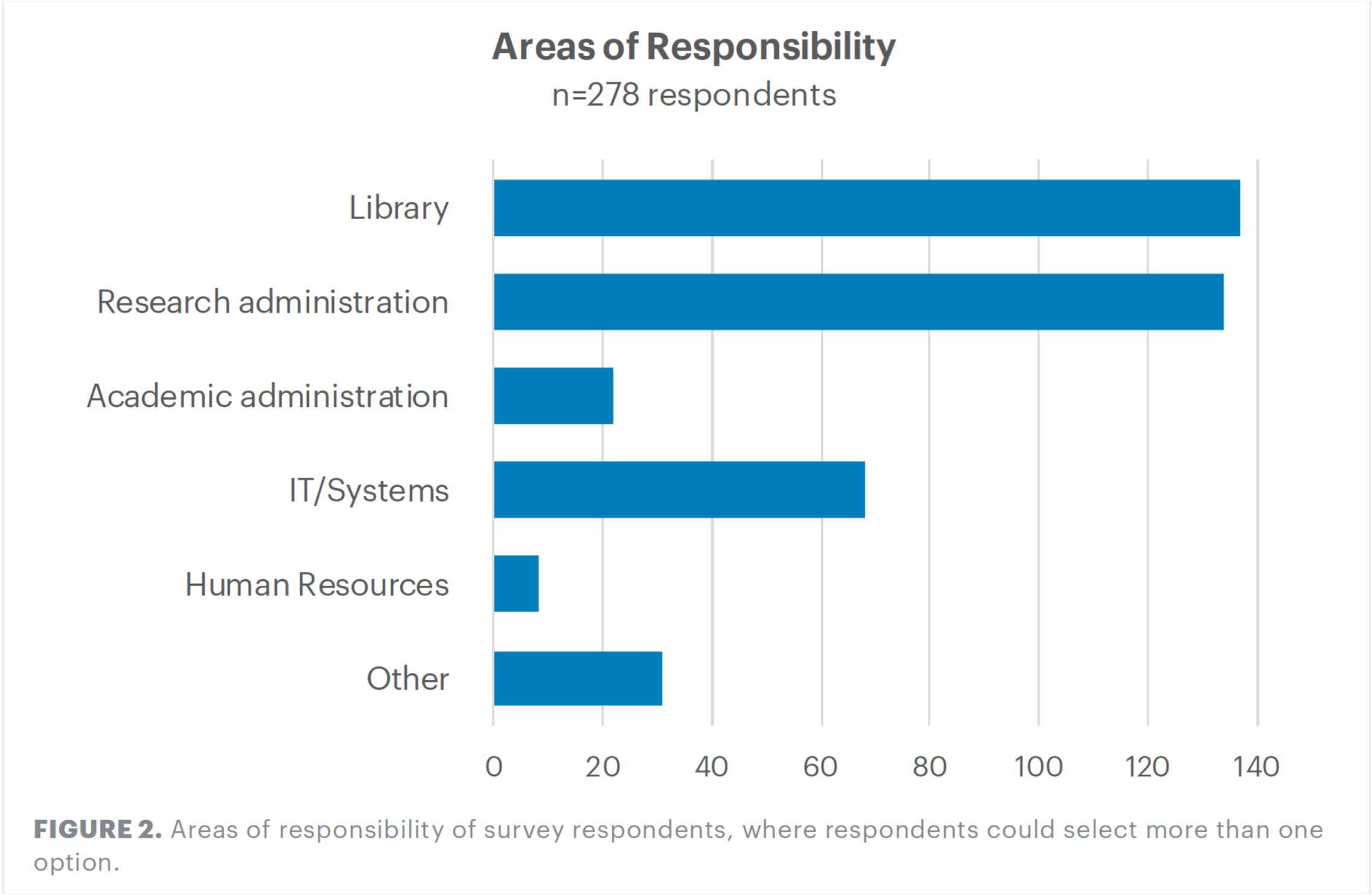

FIGURE 2. Areas of responsibility of survey respondents, where respondents could select more than one option.

OCLC/EuroCRIS Survey - https://www.oclc.org/research/publications/2018/oclcresearch-practices-patterns-research-information-management.html-

Context

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OCLC/EuroCRIS Survey 2018

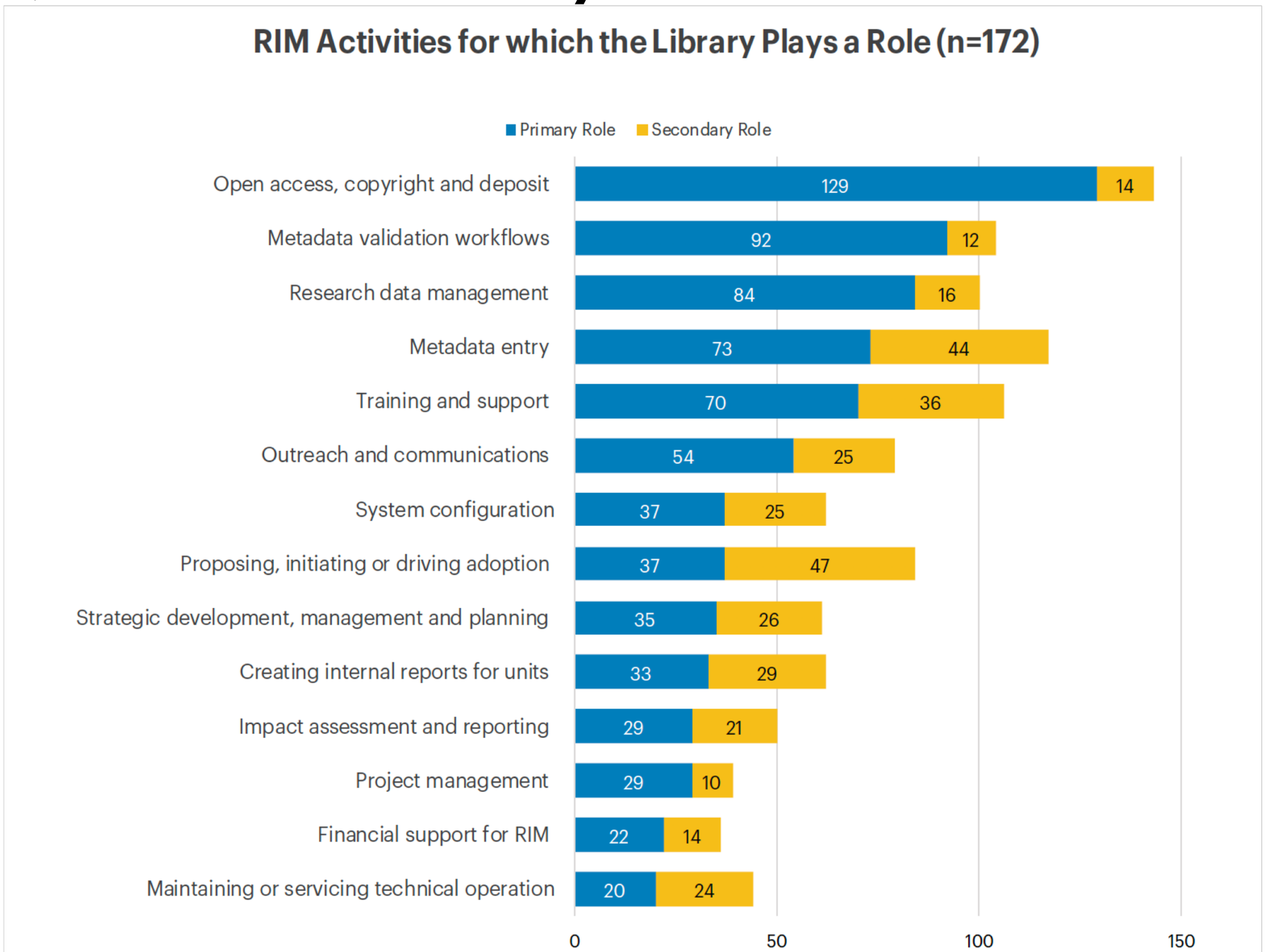

FIGURE 32. RIM activities for which the library plays a primary or supporting role, aggregated for institutions with a live RIM.

OCLC/EuroCRIS Survey - https://www.oclc.org/research/publications/2018/oclcresearch-practices-patterns-research-information-management.html-

Citation

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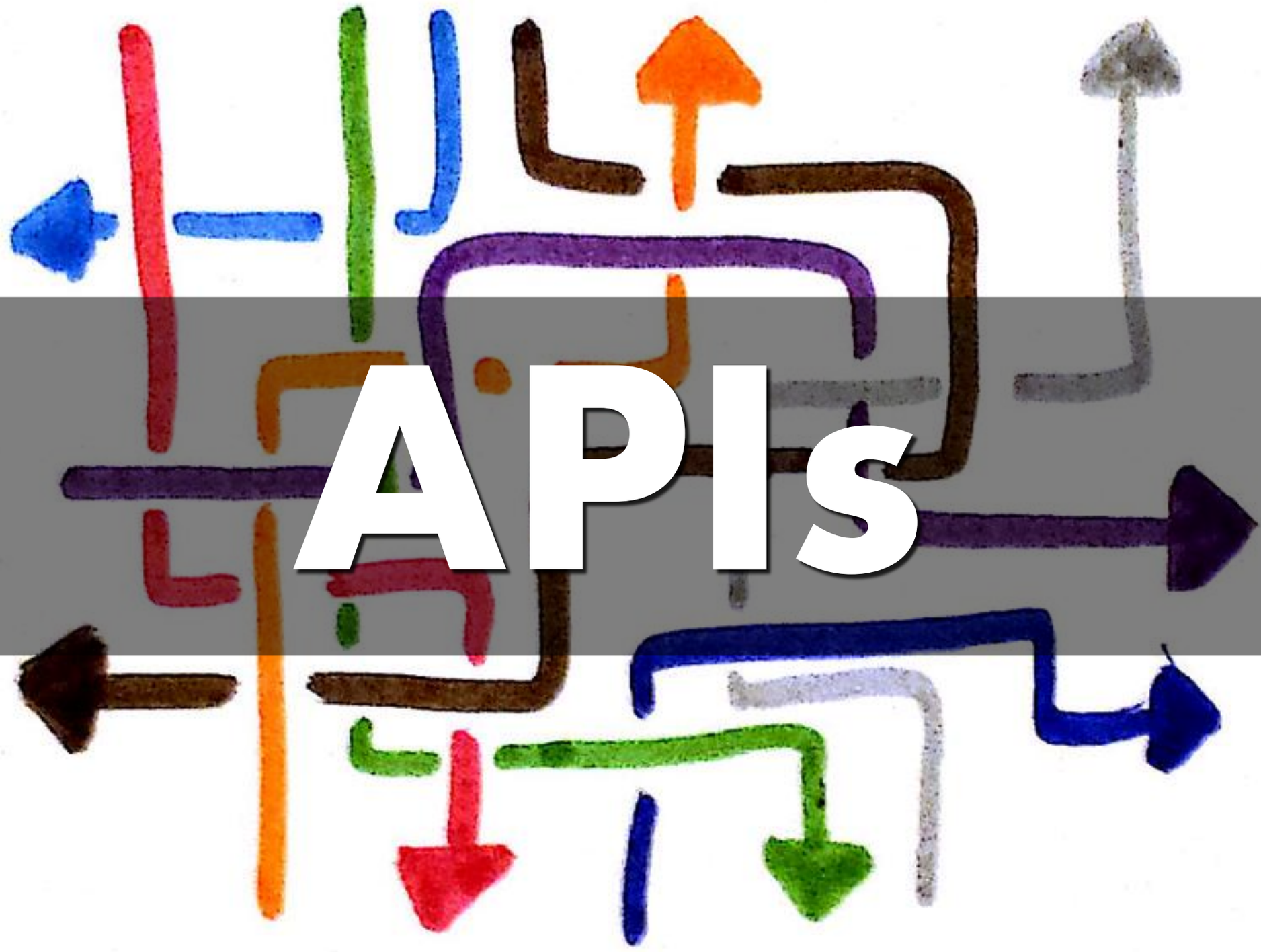

APIs

OCLC/EuroCRIS Survey 2018

FIGURE 44. Key roles for libraries in research information management from *Research Information Management: Defining RIM and the Library's Role* (doi.org/10.25333/C3NK88), CC BY 4.0.

OCLC/EuroCRIS Survey - https://www.oclc.org/research/publications/2018/oclcresearch-practices-patterns-research-information-management.html-

Dashboarding

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Re-Use

DATA

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Platforms

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Thank You!

CU Experts is part of the Faculty Information System (FIS) at CU Boulder. Developed and maintained by the FIS Development Team, a group within the Office of Faculty Affairs with full support of the Vice Provost of Faculty Affairs and in strong partnership with the University Libraries and the Vice Chancellor for Research and Innovation.

Team members include:
Liz Tomich
Alex Viggio
Don Elsborg
Vance Howard
Matt Ramey
Kristina Eklund

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