Present and Future Trends in Expert Finder Systems

Robert H. McDonald
Dean of University Libraries
University of Colorado Boulder

February 28, 2019 | EFS National Forum 2019 | Orlando, FL
Expert Finder Systems
User Experience
### EFS Drivers

<table>
<thead>
<tr>
<th>Focus</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Usefulness (UX)</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>Researcher</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>Institution</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>Funding Agency</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>Discipline</strong></td>
<td>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.</td>
</tr>
</tbody>
</table>
Linked Data
Impact
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 BIM survey

---

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

The venue for the Spring 2019 membership meeting was announced in SMM Warsaw: CSC in Espoo/Helsinki, Finland. The event day is May 2019. The event website will soon become available, together with a call for proposals for contributions. In the meantime, please check the call for proposals below for contribute. The call for proposals will be sent out on Jan 23rd with a deadline for submissions until the end of March.

While euroCRIS members will enjoy free registration, the event is open to all, including non-members. A €60 registration fee will be charged upon registration.

---

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

Rebecca Bryant, Anna Clements, Pablo de Castro, Joanne Cantrell, Annette Dortmund, Jan Fransen, Peggy Gallagher, Michele Mennielli
Universities
CU EXPERTS ARCHITECTURE

CUB Campus IT
- Enterprise Directory

CUB Libraries
- Institutional Repository

CUB Institutional Research
- Academic Analytics

CUB Contracts & Grants
- InfoEd

CU System
- HCM (PeopleSoft)
- CIW Data Warehouse

University of Colorado Boulder (CUB)
Faculty Information System (FIS)

FIS Data
(Oracle, MS SQL Server, Triple Store, Elasticsearch)

Faculty Reporting
(FRPA/Elements)

CU Experts
(VIVO)

External Data Sources
ORCID, Crossref, PubMed, arXiv, WoS, InCites, MLA, CiNii, DBLP, Altmetric, Dimensions, Wikidata, Google Books, etc

CU Denver/Anschutz Med

Colorado Profiles (Profiles RNS)

UNAVCO
(Geoscience Research)

Connect UNAVCO
(VIVO)

National Center for Atmospheric Research (NCAR)

EOL Arctic Data (VIVO)

Courtesy Alex Viggio – CU Experts Team
Data Governance
Gender

https://doi.org/10.1177/2378023117738903

Men set their own cites high: Gender and self-citation across fields and over time.

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.

Duke University
Current sample: 2312 individuals

Faculty have come from these schools:

- Duke University 32.6%
- Harvard University 25%
- Stanford University 6.7%
- Massachusetts Institute of Technology 4.1%
- Princeton University 3.4%
- University of Chicago 3%

Data source: Eigenfactor.org/projects/migration/

Courtesy Jevin West Lab - https://www.jevinwest.org/
Libraries
FIGURE 2. Areas of responsibility of survey respondents, where respondents could select more than one option.
FIGURE 32. RIM activities for which the library plays a primary or supporting role, aggregated for institutions with a live RIM.
APIS
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.
Dashboarding
Re-Use
DATA
Platforms
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
Present and Future Trends in Expert Finder Systems

Robert H. McDonald
Dean of University Libraries
University of Colorado Boulder

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