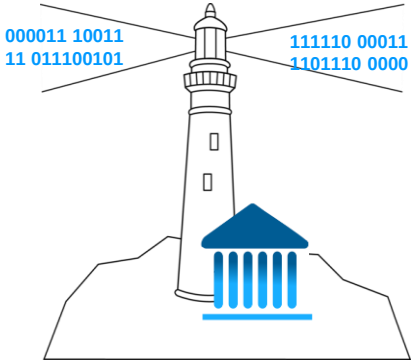


ELSEVIER

Researcher engagement and data inventory with the Data Lighthouse

Dr. Elena Zudilova-Seinstra, Elsevier RDM Solutions

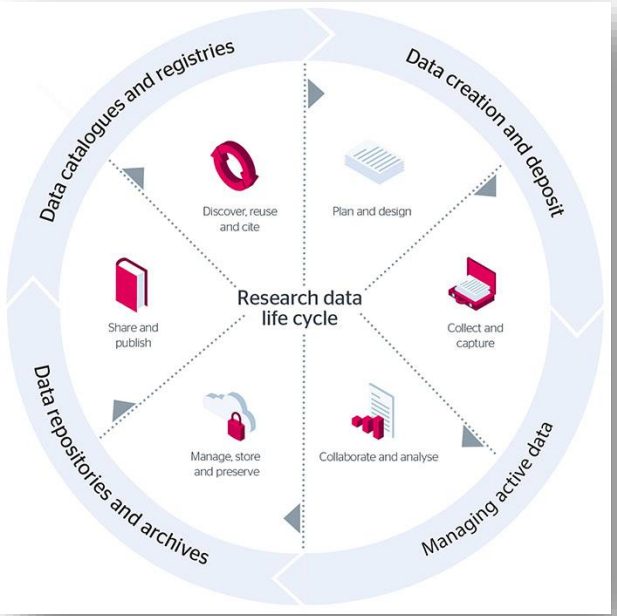
18-10-2017

Email: e.zudilova-seinstra@elsevier.com

Empowering Knowledge

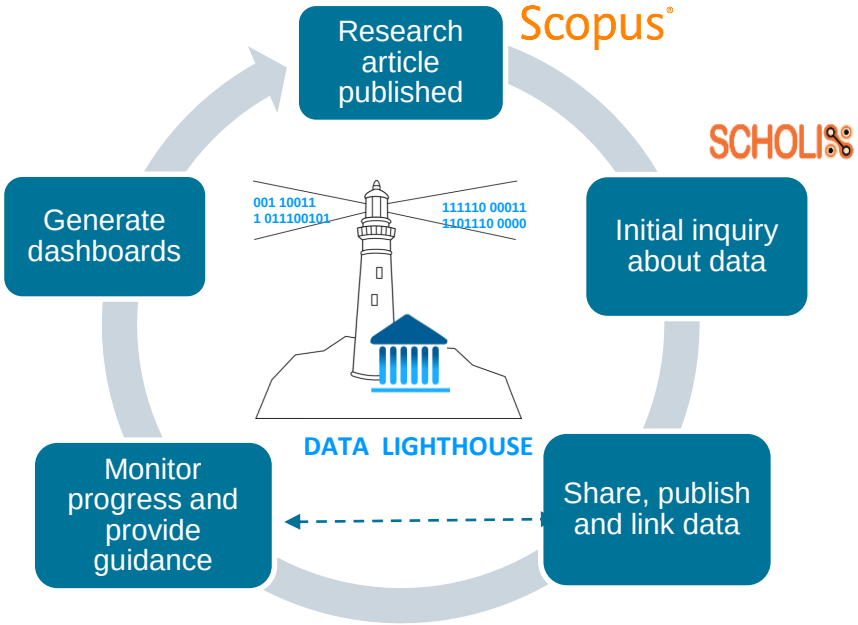
Universities have access to RDM tools but they have limited means to engage with researchers in order to facilitate RDM compliance

- A wide spectrum of Research Data Management (RDM) tools is available to researchers, both in-house and externally.
- Researchers are expected to make use of appropriate tools.
- Adoption rates of in-house RDM tools remain low e.g. <10% for Institutional Data Repositories.
- Adoption of external RDM resources is often unknown e.g. when researchers use domain specific data repositories or ELN's.



Jisc: How and why you should manage your research data: a guide for researchers
Caroline Ingram, Published: 7 January 2016

DATA LIGHTHOUSE is a new service for research data inventory and proactive engagement with researchers



The Data Lighthouse project enables automation of processes currently taken manually

Service for University Libraries to **communicate with researchers, AND train and guide them through the research data life cycle** in order to:

- Increase credibility, visibility and integrity of key research outputs.
- Improve adoption of data sharing tools by researchers.
- Provide universities with the visibility of events in the research data management space.
- Communicate the value of data sharing to researchers when it is relevant.
- Develop skills of the research support personnel, enabling to engage in more depth with researchers, and work on more substantial projects.

Three configurable options: share data, link it or publish an additional data article

The Cambridge Crystallographic Data Centre

DRYAD

...

RCSB PDB PROTEIN DATA BANK

SCHOLIX

cross-referencing framework for articles and data (~8 mln links deposited so far)

DATA IN BRIEF
MAKE YOUR DATA COUNT

SCIENTIFIC DATA

Data Lighthouse: dashboards (POC)

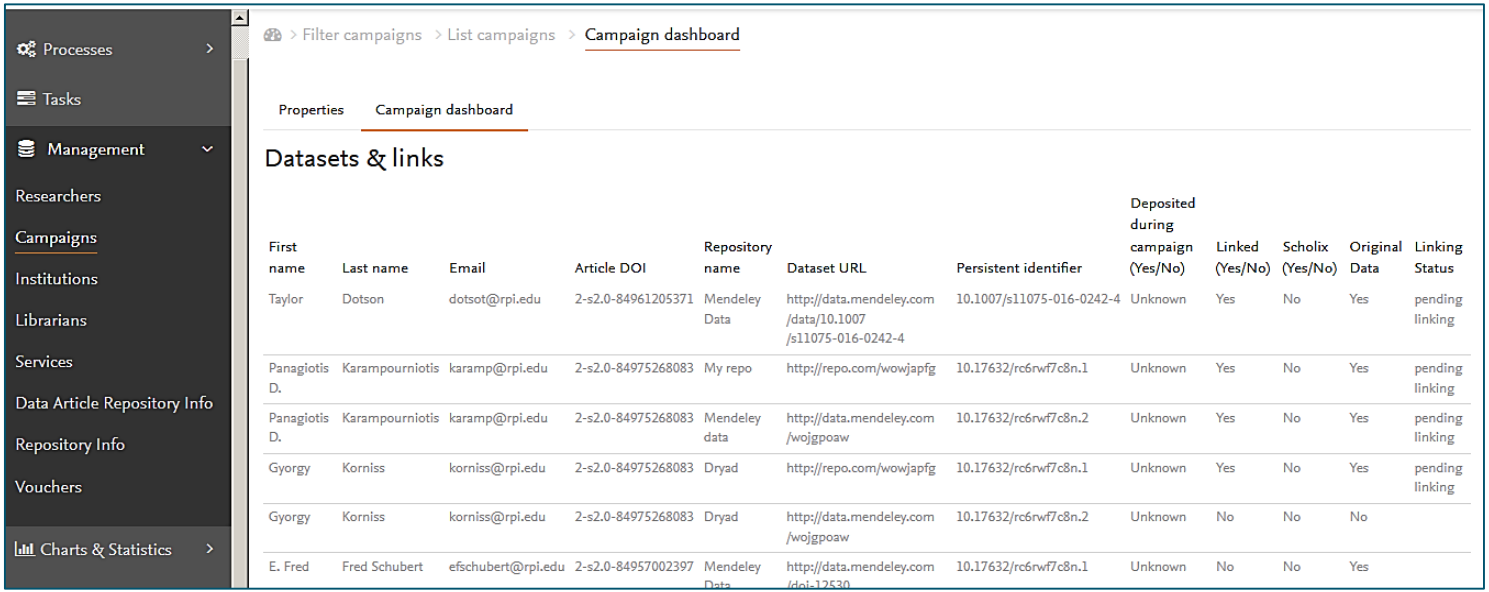
Language elena-librarian@example.com

- Dashboard
- Management
  - Researchers
  - Campaigns
  - Data Article Repository I...
  - Repository Info
  - Vouchers

Dashboard

Statistics per institution

Institution	Covered period	Nr. shared datasets	Nr. linked datasets	Nr. articles with shared datasets	Nr. articles with linked datasets	Nr. published/submitted data articles	Nr. data vouchers requested/used
University X	2016-01-01 - 2017-03-31	12	32	10	18	5	26



First name	Last name	Email	Article DOI	Repository name	Dataset URL	Persistent identifier	Deposited during campaign (Yes/No)	Linked (Yes/No)	Scholix (Yes/No)	Original Data	Linking Status
Taylor	Dotson	dotsot@rpi.edu	2-s2.0-84961205371	Mendeley Data	http://data.mendeley.com/data/10.1007/s11075-016-0242-4	10.1007/s11075-016-0242-4	Unknown	Yes	No	Yes	pending linking
Panagiotis D.	Karampourniotis	karamp@rpi.edu	2-s2.0-84975268083	My repo	http://repo.com/wowjapfg	10.17632/rc6rwf7c8n.1	Unknown	Yes	No	Yes	pending linking
Panagiotis D.	Karampourniotis	karamp@rpi.edu	2-s2.0-84975268083	Mendeley data	http://data.mendeley.com/wojgpoaw	10.17632/rc6rwf7c8n.2	Unknown	Yes	No	Yes	pending linking
Gyorgy	Korniss	korniss@rpi.edu	2-s2.0-84975268083	Dryad	http://repo.com/wowjapfg	10.17632/rc6rwf7c8n.1	Unknown	Yes	No	Yes	pending linking
Gyorgy	Korniss	korniss@rpi.edu	2-s2.0-84975268083	Dryad	http://data.mendeley.com/wojgpoaw	10.17632/rc6rwf7c8n.2	Unknown	No	No	No	
E. Fred	Fred Schubert	efschubert@rpi.edu	2-s2.0-84957002397	Mendeley Data	http://data.mendeley.com/doi-12530	10.17632/rc6rwf7c8n.1	Unknown	No	No	Yes	

Lessons learned so far

- Engaging with researchers regarding research data sharing is a challenge
- There is no single data sharing solution that suits everybody
    - Different Universities (and departments within the same University) have different data sharing needs
    - Demographics is important
- Interoperability is crucial (e.g.: open API's & standardized data models)
    - It has to be customizable!
- Data Lighthouse can:
    - work as a recommendation engine for data sharing;
    - be integrated with data management plans and CRIS systems.

Thank you!

e.zudilova-seinstra@elsevier.com