

ELSEVIER

Researcher engagement and data inventory with the Data Lighthouse

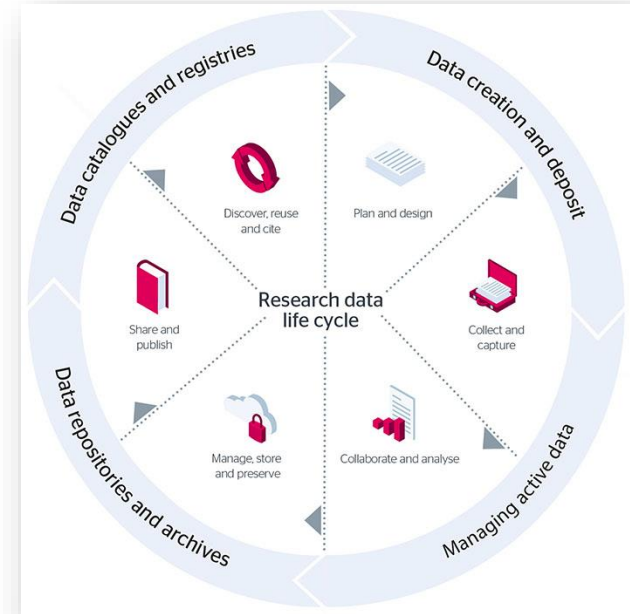
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18-10-2017



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

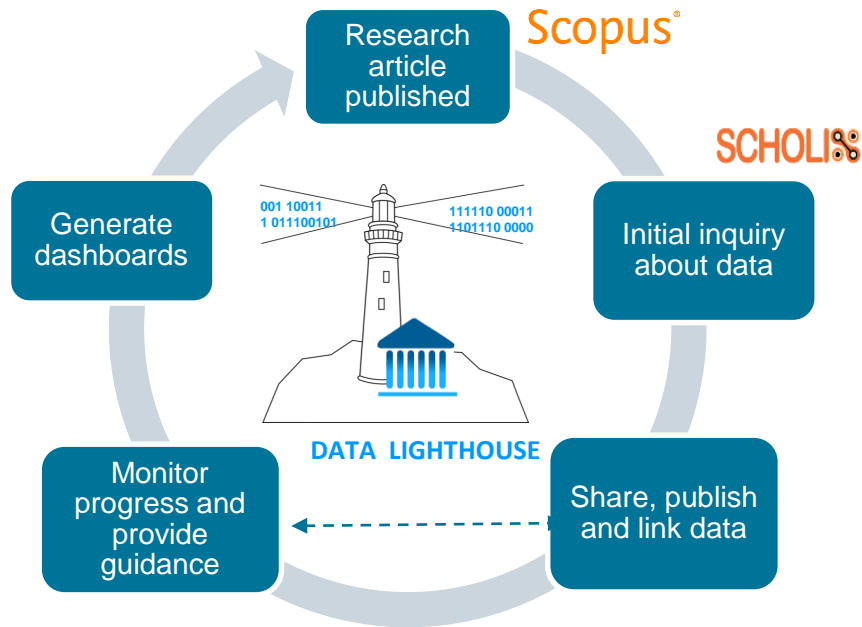
- A wide spectrum of Research Data Management (RDM) tools is available to researchers, both in-house and externally.
- Researchers are expected to make use of appropriate tools.
- Adoption rates of in-house RDM tools remain low e.g. <10% for Institutional Data Repositories.
- Adoption of external RDM 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



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.

The Data Lighthouse project enables automation of processes currently taken manually


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

Research Data Management

Dear [Title] [Surname],

Congratulations on the publication of your article [Title] by [Author Names] in [Journal Name].

We'd like to help you comply with our Research Data Management Policy, and at the same time increase visibility of your article:

 **Share the research data that supports your article**

Sharing your data enables others to gain new insights and make interpretations for their own research. If you produced research data associated with this article, consider uploading it to a recognized open data repository. We recommend:

Repository 1 **Repository 2**

If you have already shared your research data, please [provide some details](#).

If you don't have relevant data associated with this article to share, you can [unsubscribe from these reminders](#). For assistance, please [contact us](#).

Thank you in advance for your collaboration.

Sincerely,

[Name]
[Job Title]
[University name]



Link your research data with the published article

If you deposited your data in a domain-specific or general data repository it can be linked to your article. This will increase discoverability of the data and insight into your research. It will take about five minutes to provide the necessary information.

Link Your Data



Publish a data article about your data, in a peer reviewed data journal

Prepare and submit a data article to the open access data journal [Journal Name]. With a detailed description, your data will be reviewed and formatted so it can be reused, reanalyzed and reproduced by other researchers.

[University Name] will sponsor the article processing charges of data articles accepted for publication in [Journal Name].

Publish a Data Article

If you have already published or submitted a data article, please [provide some details](#).

SCHOLIX

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



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

Processes

Tasks

Management ▾

Researchers

Campaigns

Institutions

Librarians

Services

Data Article Repository Info

Repository Info

Vouchers

Charts & Statistics

Filter campaigns > List campaigns > Campaign dashboard

Properties Campaign dashboard

Datasets & links

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!



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