Researcher engagement and data inventory with the Data Lighthouse

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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 you 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.

**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].

If you have already published or submitted a data article, please provide some details.
### Data Lighthouse: dashboards (POC)

#### Dashboard

**Statistics per institution**

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<th>Nr. linked datasets</th>
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<th>Nr. articles with linked datasets</th>
<th>Nr. published/submitted data articles</th>
<th>Nr. data vouchers requested/used</th>
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#### Campaign dashboard

**Properties**

**Datasets & links**

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Lessons learned so far

• Engaging with researchers regarding research data sharing is a challenge

• There is no single data sharing solution that suits everybody
  o Different Universities (and departments within the same University) have different data sharing needs
  o Demographics is important

• Interoperability is crucial (e.g.: open API’s & standardized data models)
  - It has to be customizable!

• Data Lighthouse can:
  o work as a recommendation engine for data sharing;
  o be integrated with data management plans and CRIS systems.