International Research Data Services Survey - 2018

# Research data services and libraries international survey

Introduction and consent

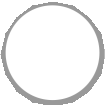
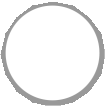
**Researchers:**

**Andrew Cox, Stephen Pinfield and Laura Sbaffi (Sheffield University, UK), Mary Anne Kennan (Charles Sturt University, Australia),**

**Liz Lyon (University of Pittsburgh, USA)**

1. **I confirm that I have read and understand the information provided** [**l(inked here**](https://www.sheffield.ac.uk/is/research/projects/rdmsurvey)**) explaining the above research project. I understand I have the opportunity to ask questions about the project before participating by contacting any of the named researchers.**
2. **I understand that my participation is voluntary and that I am free to withdraw at any time without giving any reason and without there being any negative consequences. In addition, should I not wish to answer any particular question or questions, I am free to decline.**
3. **I understand that my responses will be kept strictly confidential. I give permission for members of the research team to have access to my responses. I understand I or my institution will not be identified or identifiable in the report or reports that result from the research.**
4. **I agree for the data collected from me to be used in future research and that the dataset produced may be shared in anonymised form (allowing no individuals or their institutions to be identified) and made available for reuse by third parties.**
5. **I understand that this survey is only seeking one response per institution.**
6. **We request that you complete the survey online, but linked here is a PDF version for your information.**
7. **I agree to take part in the above research project.**

## Begin survey

 Yes No

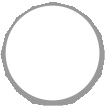
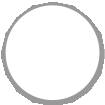
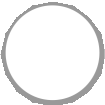
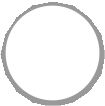
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About your organisation

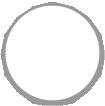
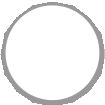
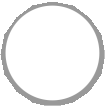
# This survey seeks to collect information about evolving research data management in academic libraries. After a few questions about you and your organisation, our survey asks about your current and planned research data services, along with related skills and training needs.

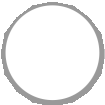
**Please note that depending on your response, the survey software may skip questions displayed, so some question numbers may not be presented to you.**

## In what country is your university located?

 Australia Canada Germany

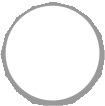
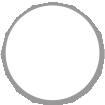
Ireland

 Netherlands New Zealand  United Kingdom

United States of America

## What is the name of your institution?

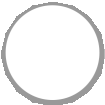
* 1. Are you a member of the library's senior management team?

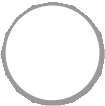
 Yes No

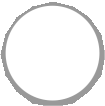
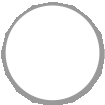
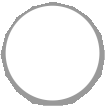
International Research Data Services Survey - 2018

Research data management policy

## Does your institution have a formal research data management (RDM) policy in place which covers issues such as retention, storage and sharing?

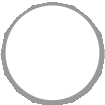
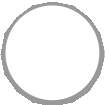
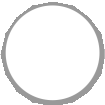
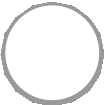
 We have a policy now

 We will have a policy within the next twelve months

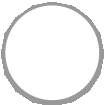
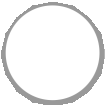
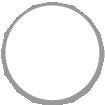
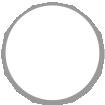
 We are planning a policy but it may be more than a year  No, we do not have a policy and are not planning one  Don’t know

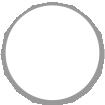
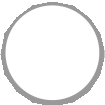
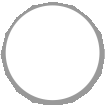
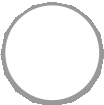
## Which departments/units/divisions were involved in developing the policy?

Lead Participated Did not participate Don’t know

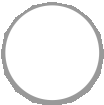
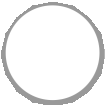
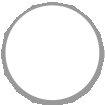
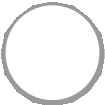


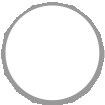
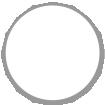
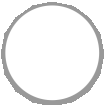
Library

IT Services    



Research Office

Legal Office    



Academic representatives

Other (please specify)

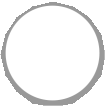
## What principles, certifications or standards (if any) (e.g. findable,

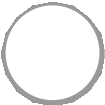
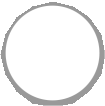
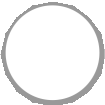
accessible, interoperable and reusable - FAIR principles) are key to your data policies and practice? Please list below.

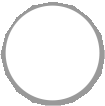
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* 1. Has your institution undertaken an audit, survey or evaluation of the institution’s research data?

Research Data Services - establishment and partnerships

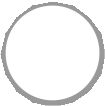
 Yes (with the library as lead)

 Yes (with the library as a participant)  Yes (library was not a participant)  No (planned)

 No (not planned)

If yes, how did the results inform your policy development?

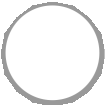
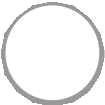
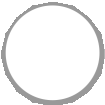
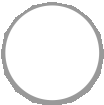
## Has your institution undertaken a survey of faculty/academic staff attitudes to RDM?

 Yes No

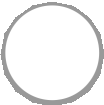
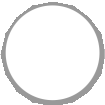
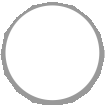
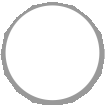
If yes, how did your results inform policy?

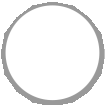
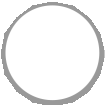
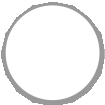
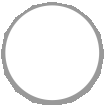
## Which departments/units/divisions were involved in developing research data services?

Lead Participated Did not participate Don't know

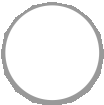
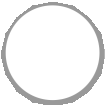
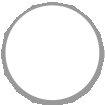
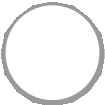


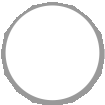
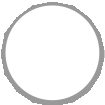
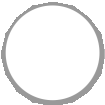
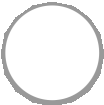
Library

IT Services    



Research Office

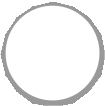
Legal Office    

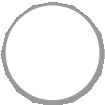
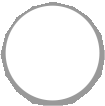


Academic representatives

Other (please specify)

## Does the library use or partner with any external organisations, for example commercial providers such as Figshare and Arkivum or other universities or university libraries, to provide research data services?

 Yes

 No (planned)  No (not planned)

If yes, which ones and for what purpose?

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**Questions 12 to 15 ask you to provide details of services you offer *currently* or *plan to offer in the future (in the next two to three years)*.**

Advisory and support services

# Questions 12 and 13 cover advisory services. Questions 14 and 15 cover technical services.

* 1. Does your library *currently* offer any of the following *advisory* research data services?

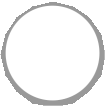
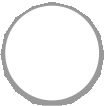
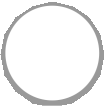
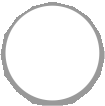
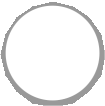
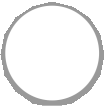
No service Basic service

Well-developed service

Extensive service

Offered by another unit in the university

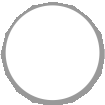
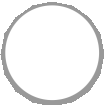
Not applicable/Don’t know



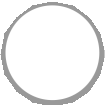
Offer a research Data Management Planning (DMP) advisory service to researchers

Offer research data management training and/or data literacy instruction (e.g. to research students, early career researchers etc.)

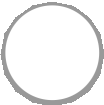
No service Basic service



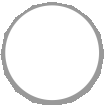
Well-developed service



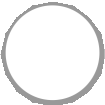
Extensive service

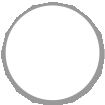
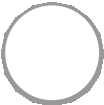
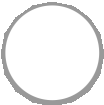
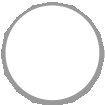
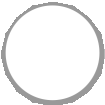
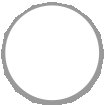


Offered by another unit in the university



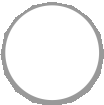
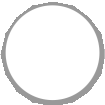
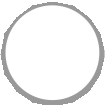
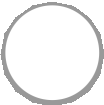
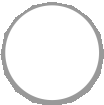
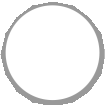
Not applicable/Don’t know

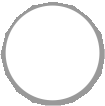
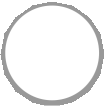
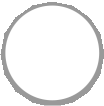
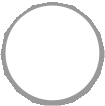
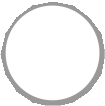
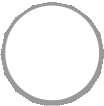




Maintaining a web resource/guide of local advice and useful resources for RDM

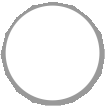
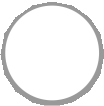
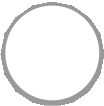
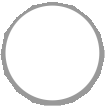
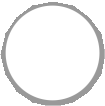
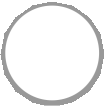
Promote awareness of

reusable data sources,       such as data archives

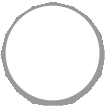
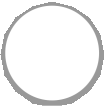
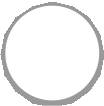
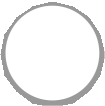
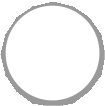
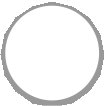
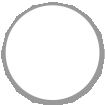
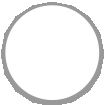
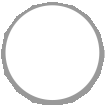
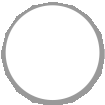
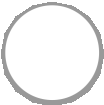
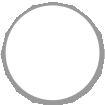
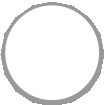
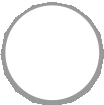
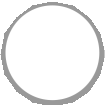
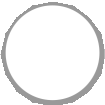
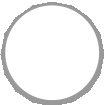


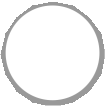
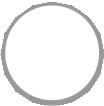
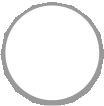
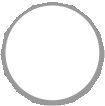
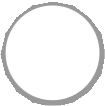
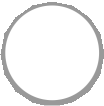
Provide support for search and retrieval of external data sources

Offer data citation advisory services



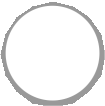
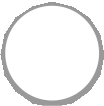
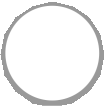
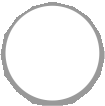
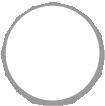
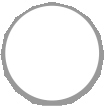
Offer data publication advisory services

Offer data storage advisory services

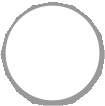
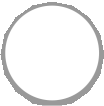
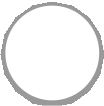
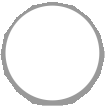
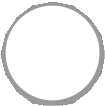
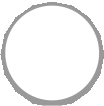


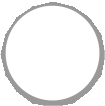
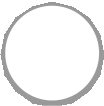
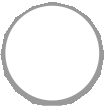
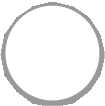
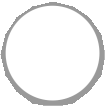
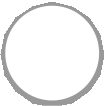
Offer an advisory service on data analysis

Offer an advisory service on data mining



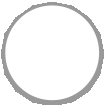
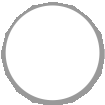
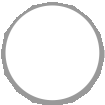
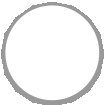
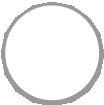
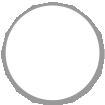
Offer an advisory service on data visualisation

Offer advice on copyright and/or intellectual and/or licensing property rights relating to data and data management



Provide advisory services on the curation of active data

Provide advisory services on the

technical aspects of      

long term data preservation

## From this same list of *advisory services*, please indicate the strategic priority for your library relative to the other services in the list ***for the future***.

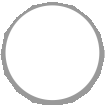
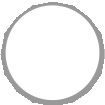
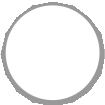
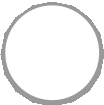
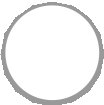
A low priority over the next three years

A mid-level priority over the next three years

Top priority over the next three years

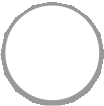
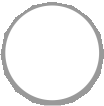
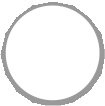
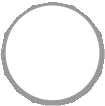
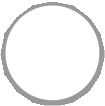
Primarily the responsibility of another unit of the university

Not applicable/Don’t know

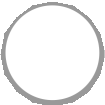
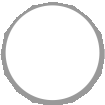
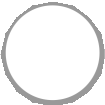
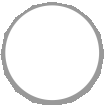
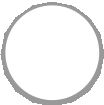


Offer a research Data Management Planning (DMP) advisory service to researchers

Offer research data management training and/or data literacy

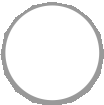
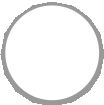
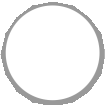
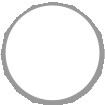
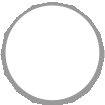
instruction (e.g. to     

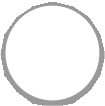
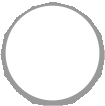
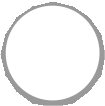
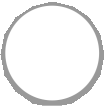
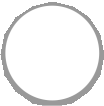
research students, early career researchers etc.)



Maintaining a web resource/guide of local advice and useful resources for RDM

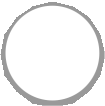
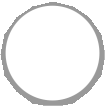
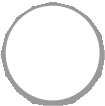
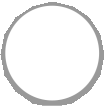
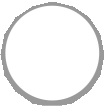
Promote awareness of

reusable data sources,      such as data archives

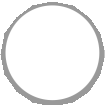
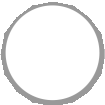
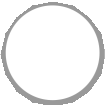
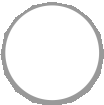
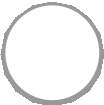
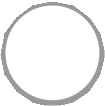
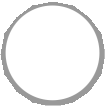
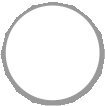
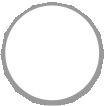
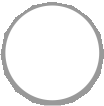


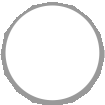
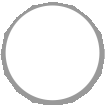
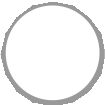
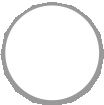
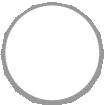
Provide support for search and retrieval of external data sources

Offer data citation advisory services



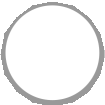
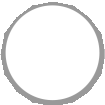
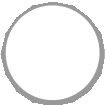
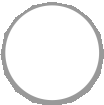
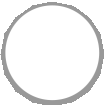
Offer data publication advisory services

Offer data storage advisory services

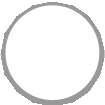
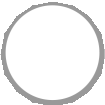
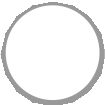
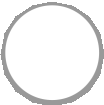
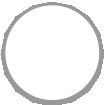


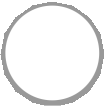
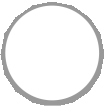
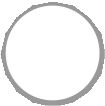
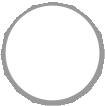
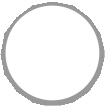
Offer an advisory service on data analysis

Offer an advisory service on data mining

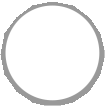
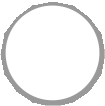
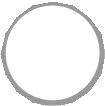
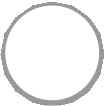
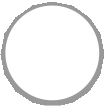


Offer an advisory service on data visualisation

Offer advice on copyright and/or intellectual and/or

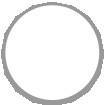
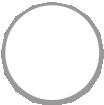
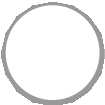
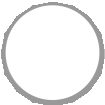
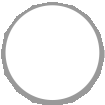
licensing property rights      relating to data and

data management



Provide advisory services on the curation of active data

Provide advisory services on the

technical aspects of     

long term data preservation

International Research Data Services Survey - 2018

* 1. Does your library *currently* offer any of the following *technical* research data services?

Technical services

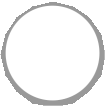
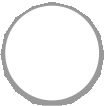
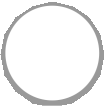
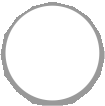
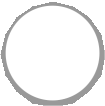
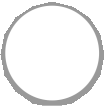
No service Basic service

Well developed service

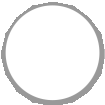
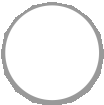
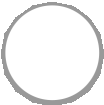
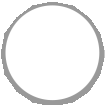
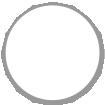
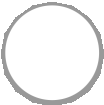
Extensive service

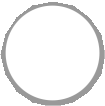
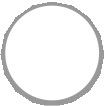
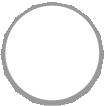
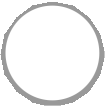
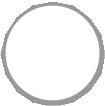
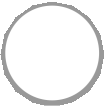
Offered by another unit in the university

Not applicable/Don’t know



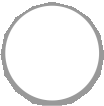
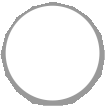
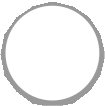
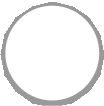
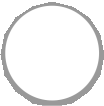
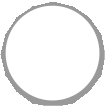
Run a data repository/archive/store

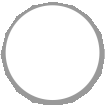
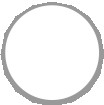
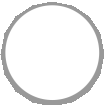
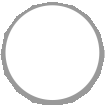
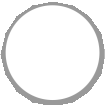
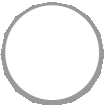
Offer a service creating or transforming metadata for data or datasets

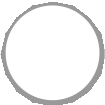
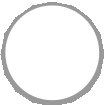
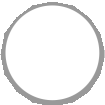
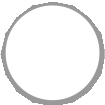
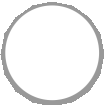


Provide a data catalogue including your institution’s research data

Select, accession and/or deselect and de-

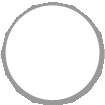
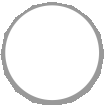
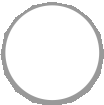
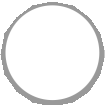
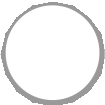
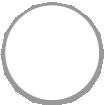
accession data/data      

sets for deposit in a repository

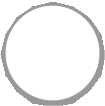
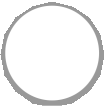
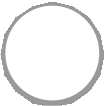
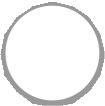
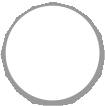
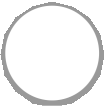


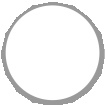
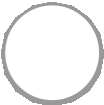
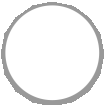
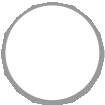
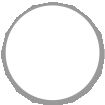
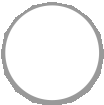
Prepare data/data sets for deposit in a repository

Carry out the curation of active data



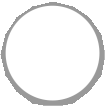
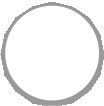
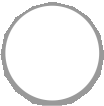
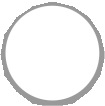
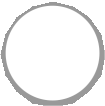
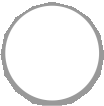
Carry out long term preservation of research data

Clean data and carry out data quality checks

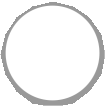
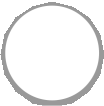
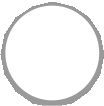
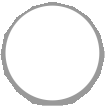
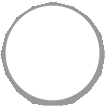
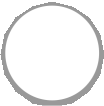


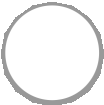
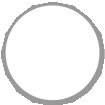
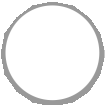
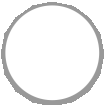
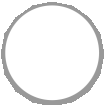
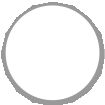
Analyse and visualise datasets using Python scripts, SPSS, R and MS Excel software

Support reproducibility, transparency in workflows and research integrity



Rescue legacy data or perform data triage or forensic data recovery

Embed librarians in the

laboratory or research       project

* 1. From this same list of *technical services*, please state the strategic priority for your library *for the future*

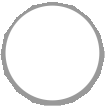
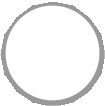
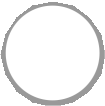
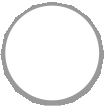
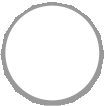
A low priority over the next three years

A mid-level priority over the next three years

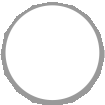
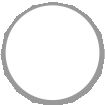
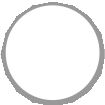
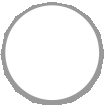
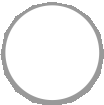
Top priority over the next three years

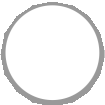
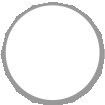
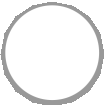
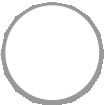
Primarily the responsibility of another unit of the university

Not applicable/Don’t know



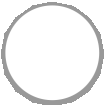
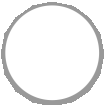
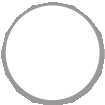
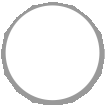
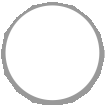
Run a data repository/archive/store

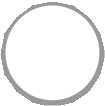
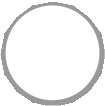
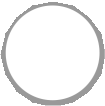
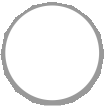
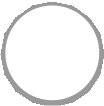
Offer a service creating or transforming metadata for data or datasets

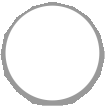
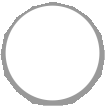
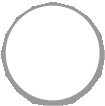
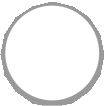
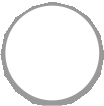


Provide a data catalogue including your institution’s research data

Select, accession and/or deselect and de-

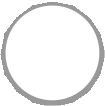
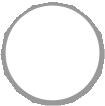
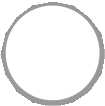
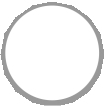
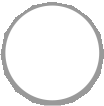
accession data/data     

sets for deposit in a repository

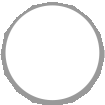
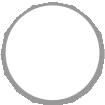
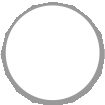
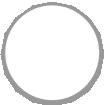
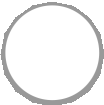


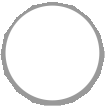
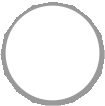
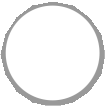
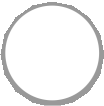
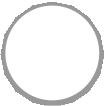
Prepare data/data sets for deposit in a repository

Carry out the curation of active data



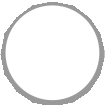
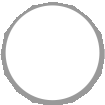
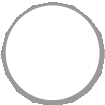
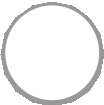
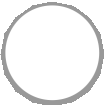
Carry out long term preservation of research data

Clean data and carry out quality checks

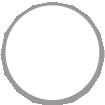
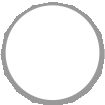
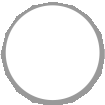
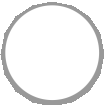
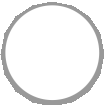


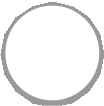
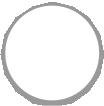
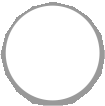
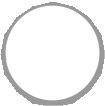
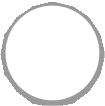
Analyse and visualise datasets using Python scripts, SPSS, R and MS Excel software

Support reproducibility, transparency in workflows and research integrity



Rescue legacy data or perform data triage or forensic data recovery

Embed librarians in the

laboratory or research      project

## Which (if any) of your Research Data Services are delivered using an embedded model, where librarians are integrated with the disciplinary research team? Briefly note any perceived barriers or practical difficulties in implementing this service model.

International Research Data Services Survey - 2018

* 1. If your library is involved in any research data services, who in the library has primary leadership responsibility for plans and programs of research data services? Please select all that apply.

Library management issues

A single individual is responsible

A team with a specific focus on research data is responsible

A team with a general remit for research support is responsible It is spread across multiple teams

My library is not involved in research data services Other (please specify)

## If library staff require additional knowledge or skills to offer research data services, which specific areas need development? Please select all that apply.

Data curation skills

Technical and ICT skills (e.g. data storage, infrastructure, architecture etc.) Subject and or disciplinary knowledge

Knowledge of a variety of research methods (e.g. data analysis, data visualisation) Knowledge of the research lifecycle

Data description and documentation

Legal, policy and advisory skills (e.g. intellectual property, ethics, licencing etc.) Understanding of research integrity, reproducibility and transparency principles

Other (please specify)

## Which of the following library staff development opportunities related to research data services has your library provided? Please select all that apply.

In-house staff workshops and/or presentations

Support for staff to take courses related to research data services

Support for staff to attend conferences or workshops on research data management

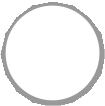
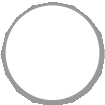
Collaboration with an academic program to develop professionals with skills related to research data services

Online tutorials Webinars

One-day workshops Multi-day workshops

Other (please specify)

## Does your institution have incentives, rewards or recognition for faculty/academic staff in your institution who engage in research data management good practice?

 No Yes

Please make any comments here

## Briefly comment on what you think are the major*drivers*, now and looking into the future, for libraries working in research data management.

* 1. Briefly comment on what you think are the major*challenges*, now and looking into the future, for libraries working in research data management?
  2. If there is any aspect of research data management we have not covered or about which you would like to make further comment on please discuss here.
  3. If you would like an early brief report on the findings, please provide your email address below.

**Thank you very much for contributing to our survey. Please click on the "Submit" button below.**

Andrew Cox (a.m.cox@sheffield.ac.uk) Mary Anne Kennan (mkennan@csu.edu.au) Liz Lyon (elyon@pitt.edu)

Stephen Pinfield (s.pinfield@sheffield.ac.uk) Laura Sbaffi (l.sbaffi@sheffield.ac.uk)