

# Supporting Open Research

*The role of an academic library*

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# Overview

What is a modern research library?

Why are we involved with Open Research?

What can we do for you?

# A reminder

Submit questions at [slido.com/scidata17](https://slido.com/scidata17)

These slides at [jcope.shef.ac.uk/talks](http://jcope.shef.ac.uk/talks)

# About me

Not a real librarian

*Shh, don't tell anyone!*

A photograph of a row of antique books on wooden shelves in a library. The books are bound in worn, dark leather and have gold-stamped titles on their spines. The shelves are made of dark wood and are filled with books. The lighting is dramatic, highlighting the texture of the book covers.

**"Why do we still *need* libraries?"**

*"I mean, I can get everything online for free now..."*



A library is more than a building full of books

# **What do librarians do?**

*“Librarians consider free access to information the foundation of democracy.”*

*— Marilyn Johnson (2011), This Book Is Overdue!: How Librarians and Cybrarians Can Save Us All*

# Traditional librarianship expertise

Discoverability

Metadata

Information management  
systems

Preservation

Copyright/licensing

Information literacy

Policy

Teaching

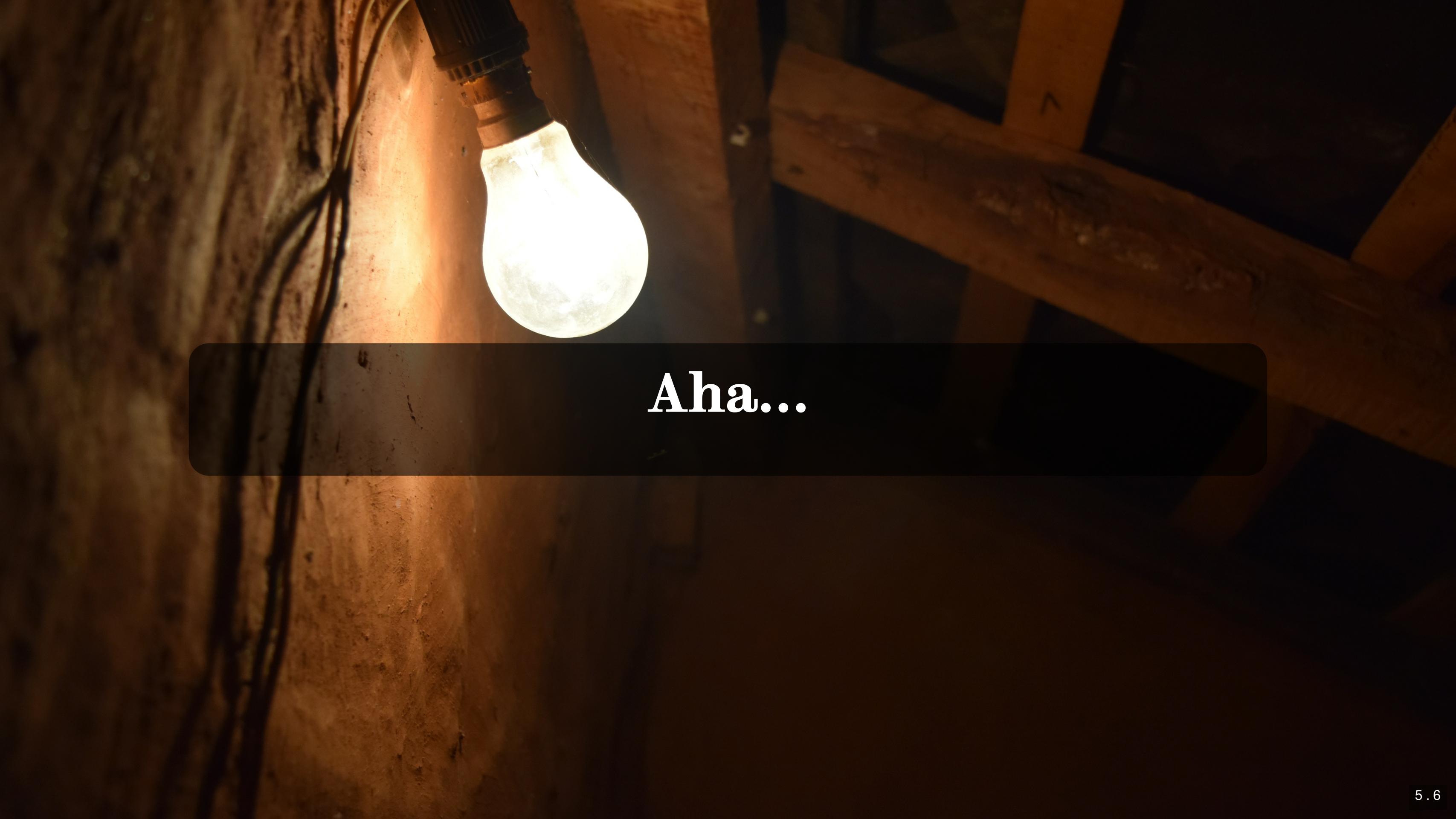


# So what?

Librarians manage information

Librarians facilitate access to information

Research *is* information...



Aha...



# What can your librarian do for you?

# Library Strategic Plan

At the University of Sheffield

**Theme 2 (of 6): "Research Excellence & Impact"**

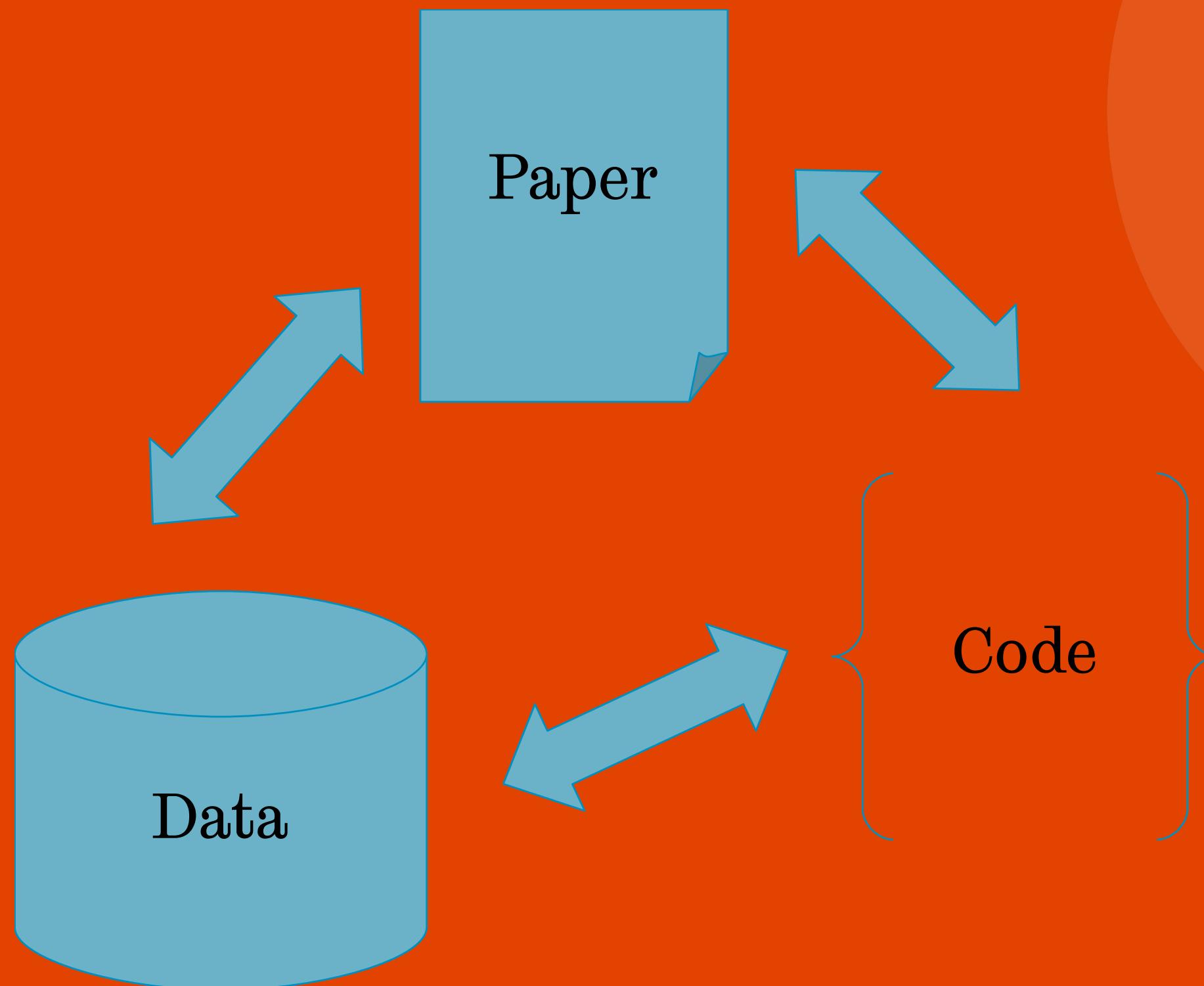
# Highlights

"...cohesive offering of library research services..."

"...new models of scholarly communication..."

"...secure digital assets for the future..."

# The "Holy Trinity"



# FAIR data

Findable

Accessible

Interoperable

Reusable

*(of course...)*

# Discoverability

Help make your content easier to find

...and therefore more likely to have an impact

Measure that impact with traditional & alternative  
metrics

E · A · I · R

# Metadata

Help make your content...

*articles, books, data, software, whatever*

...easier to navigate and understand

F · A · I · R

# Information management systems

Ways of storing your content to maintain your sanity

*That includes both digital and physical systems*

F · A · I · R

# Preservation

Keep your content available over decades and centuries

F · A · I · R

# Copyright/licensing

Navigate a complex landscape of rights and responsibilities

F · A · I · R

# Information literacy

Evaluate the quality of information sources

F · A · I · R

# Policy

Stand up for the needs of our users

E · A · I · R

# **Open access to publications**

Article Processing Charges (for paid/gold OA)

Institutional repository (for self-archiving/green OA)



# Open data

Data repository

Data management plans

# Open research generally

Writing guidance

Teaching (and developing  
teaching materials)

Planning

Managing projects

Community building

Infrastructure building  
Policy development

Service evaluation

...

# Collaborations

Within the Library

IT service

Research office

Research software engineering

Research ethics

Faculties, departments & institutes

# Collaboration example: research software engineering

RSE

- Code quality
- Testing
- Reproducibility
- Data science

Library

- Data/information management
- Copyright/licensing
- Metadata
- Preservation

Together

Training · Policy · Lobbying

# New directions

## Browse ORDA

 All items Faculties Categories Conferences Institutes Visualisation Showcase

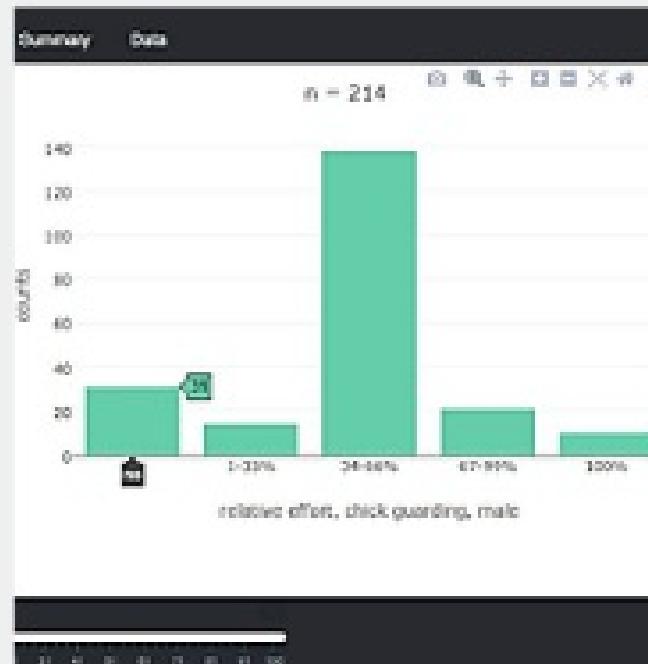
Home / Visualisation Showcase

## Visualisation Showcase

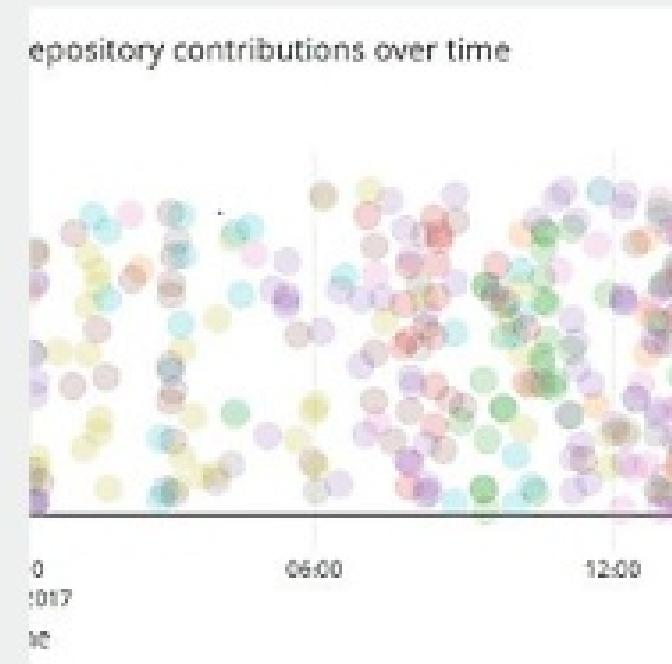
This area shows some examples of visual representations of our research that you can view and explore directly in your web browser. Some are fully interactive and allow you to investigate different facets of the available data.

We plan to develop guidance and training which can enable researchers build visualisations from their own research data, using free and open source tools.

If you have any questions about the visualisations or would like to share your work or can tell us more about the tools you use (or would like to use) to present data visually, please contact us at [rdm@sheffield.ac.uk](mailto:rdm@sheffield.ac.uk), though please note this work is still in a pilot phase.



Sex roles in birds



#mozsprint Library Carpentry 2017

# Data librarians

Hybrid librarian & data scientist

Often embedded in research departments

(More common in the US)



# Library Carpentry

Data skills for *all* librarians!

# New scholarly communications

Data journals

Short-form monographs

Student journals

Altmetrics

# What can you do for your librarian?

Ask questions

Invite them to contribute

Let them know what you need

Tell people how much you still get from the library

*Oh, and please submit your reading lists on time... ☺*

# Acknowledgements

Research Support Unit, University Library

CICS, Research Services, RSE at Sheffield

Everyone whose ideas you've just seen!



Questions?

Thanks for listening!

# Questions?

?

Top questions (1)

● Keynote #4 - Jez Cop...

J

Jane

0 

What's the best thing a library can do to help me with my data?



Join at  
**slido.com**  
**#scidata17**