

# Damaro: Objectives and Achievements

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Data Management Roll-out at Oxford  
(DaMaRO)



UNIVERSITY OF  
**OXFORD**

# The Growing Importance of Research Data Management

- Rise of data-driven research
  - Challenge to existing academic practices
  - Opportunities for new kinds of research
- Increasing recognition of need to manage research data better
  - Opportunities for research communities
  - Concern for reputations
  - Mandates from research funders

*“Publicly funded research data are a public good, produced in the public interest, which should be made openly available with as few restrictions as possible in a timely and responsible manner.”*

*RCUK Common Principles on Data Policy*



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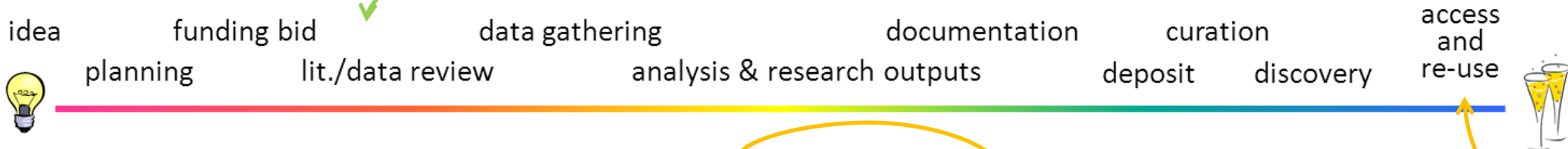
# Damaro Objectives

- Institutional RDM Policy
- Better understanding of researchers' requirements
- Improved training & support materials – embedded in existing delivery channels
- Design for connected RDM infrastructure, from planning to re-use
- 'DataFinder' software – to act as a catalogue of research data outputs
- Business cases for continued resourcing by University
- Outputs that can be taken and adapted by other institutions  
(project is part of the JISC MRD Programme)

# Principles behind Oxford's infrastructure

- Modular
  - Different business models for different components
  - May be extended (or reduced)
- Researcher-focused
  - Caters for different disciplines and working practices
- Intra-institutional
  - Requires input from multiple support departments and Academic Divisions

# Research data lifecycle



## Tools & Services

**DATASTAGE**



Oxford **DMPonline**

**ORDS**

Online Research Database Service



Departmental data stores



Institutional RDM Policy

Training & Support

Oxford infrastructure

External

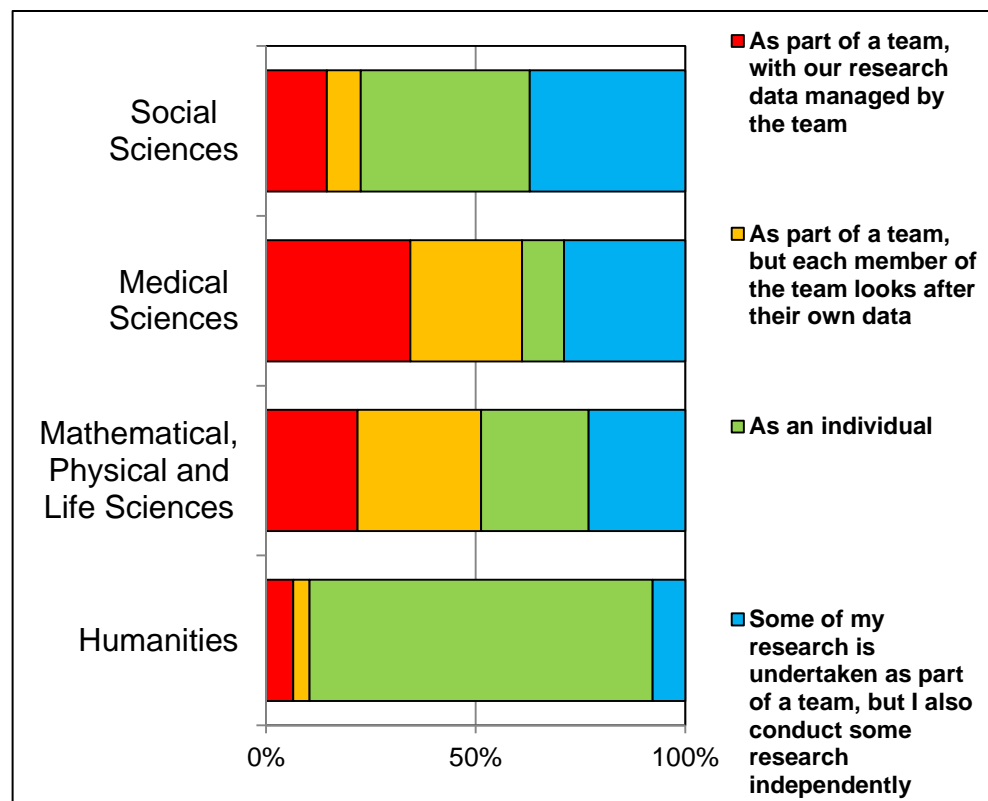
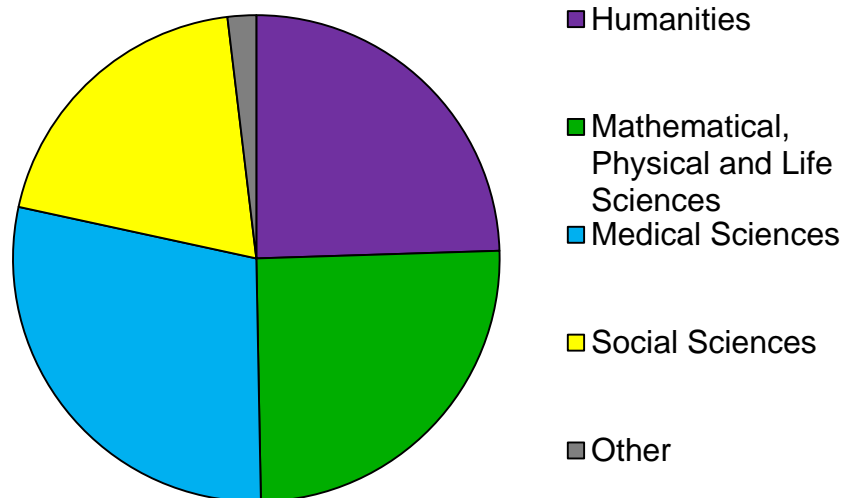


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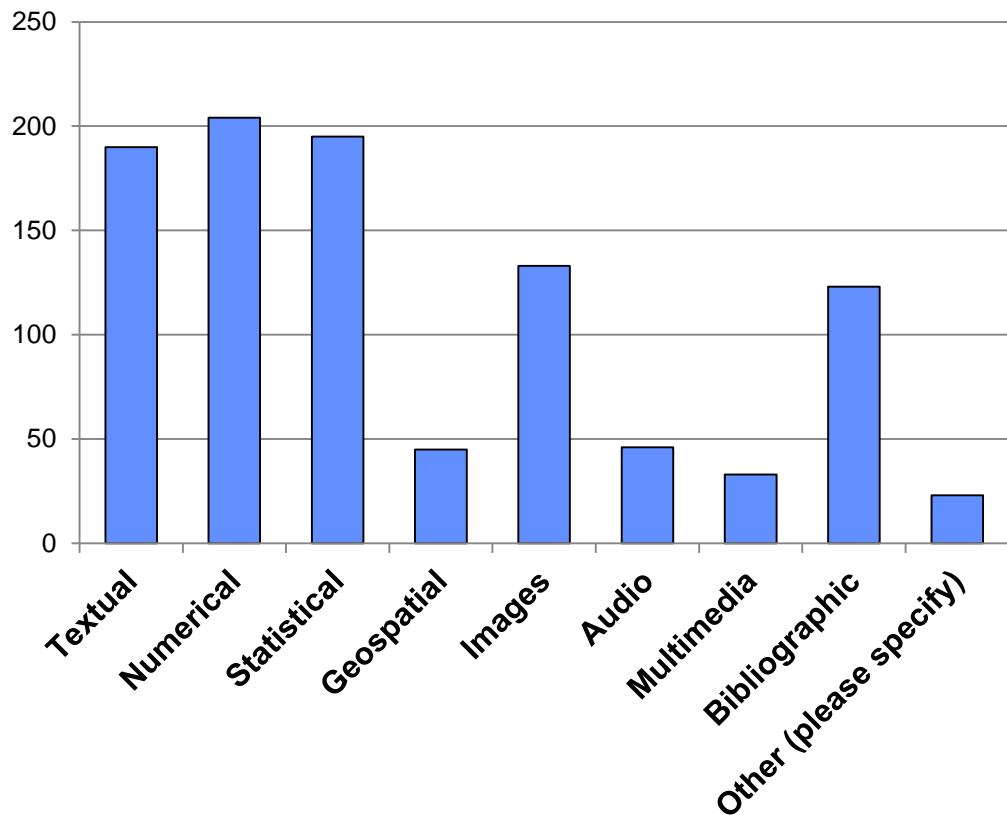
# Understanding Researchers

- Previous projects have looked at specific research disciplines, but now need to generalize across institution
- Large-scale benchmarking survey undertaken in November / December 2012 – 314 responses from researchers generating data

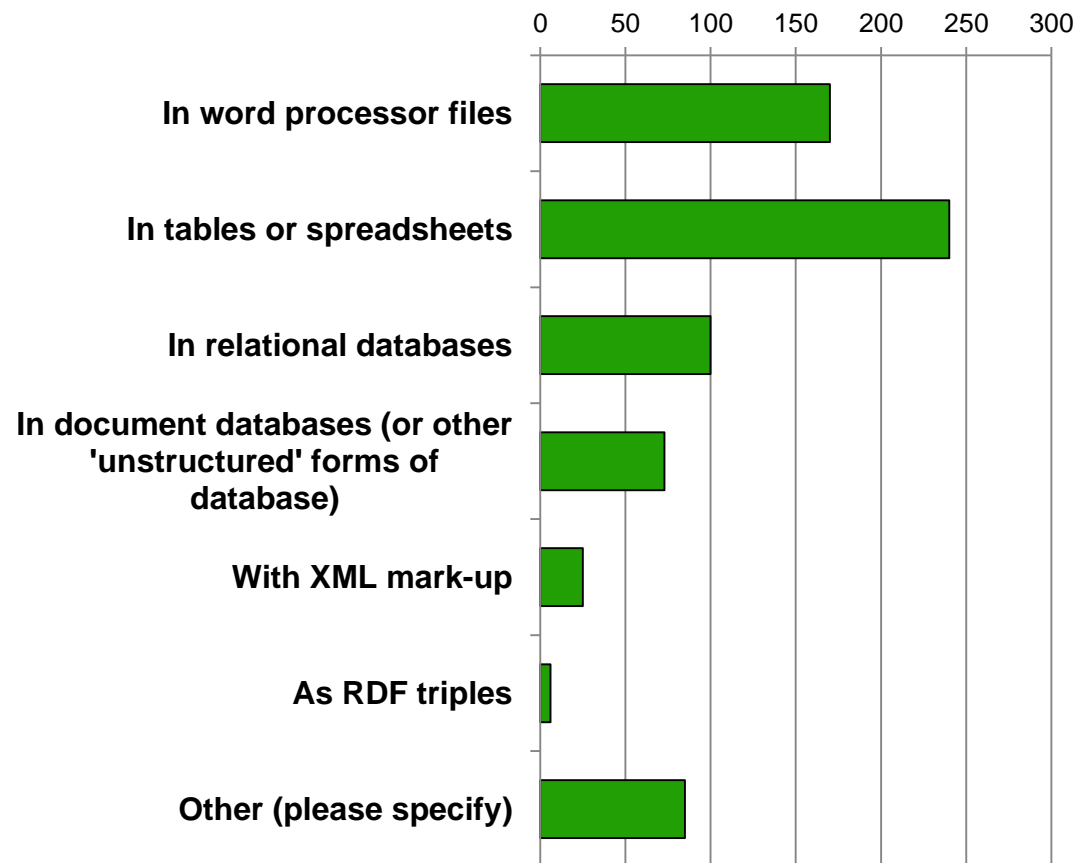


# Research Data at Oxford

## Types of data

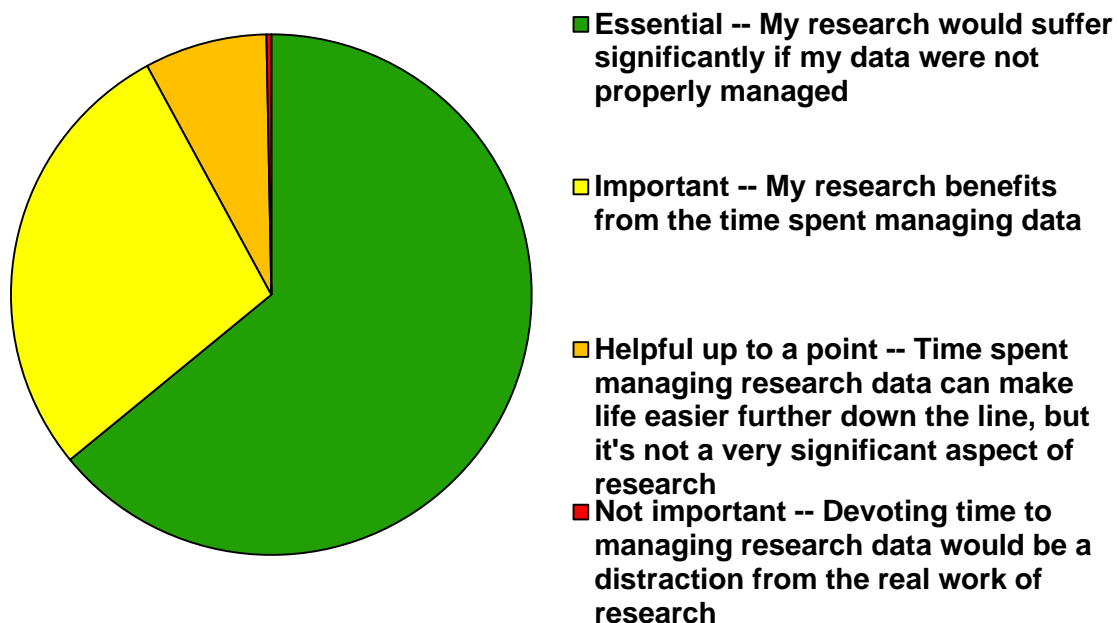


## How data is stored

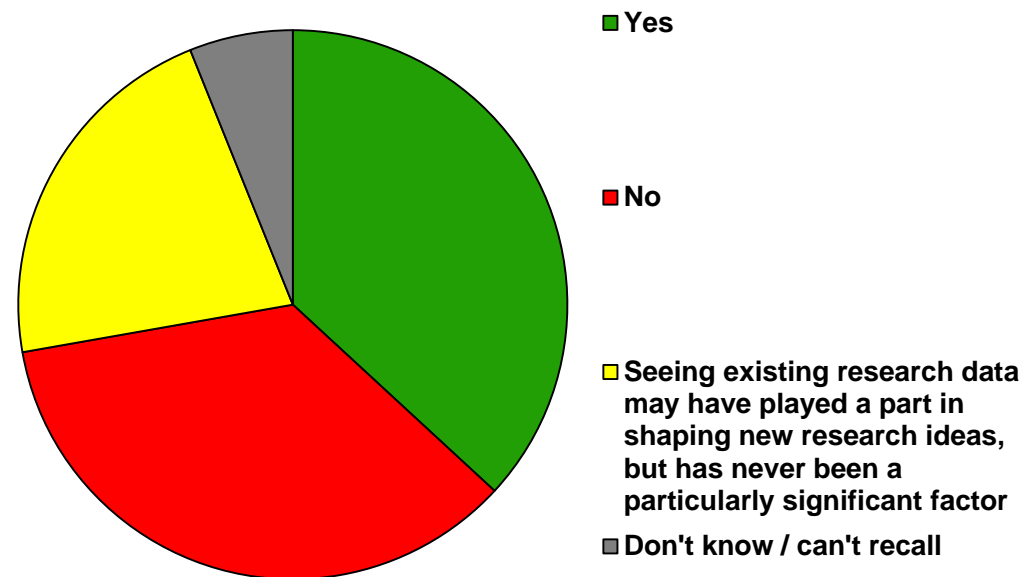


# Researcher Attitudes toward RDM

## Importance of RDM



## Ever been inspired to undertake new research after looking at past shared data?

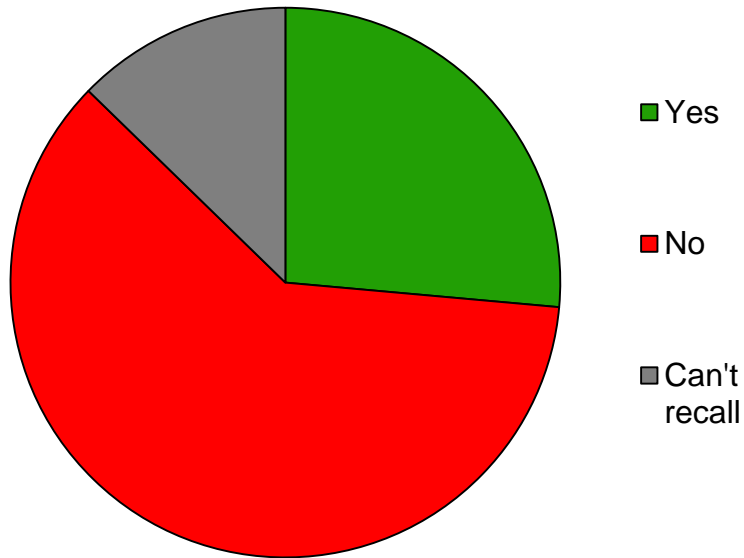


But fewer than a quarter had received any information about RDM from the University

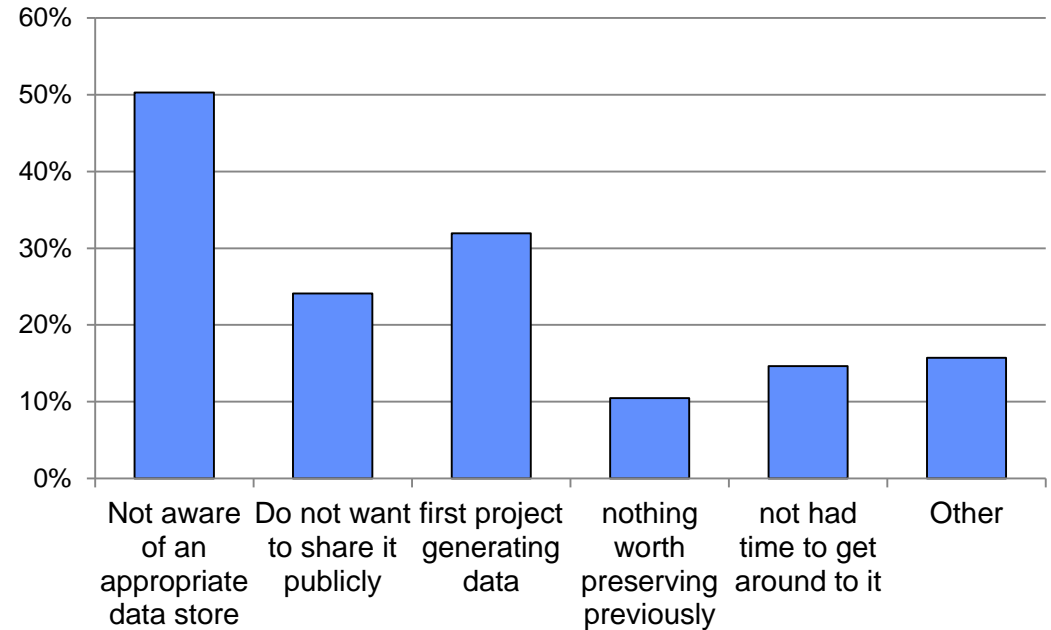


# Data Sharing in Practice

Have you (or has your research team) ever deposited your research data in a dedicated repository or data store?



If 'no', why not?



'Other's included confidentiality agreements, security concerns, copyright, and 'will do so shortly'

# Specific requirements

*“My supervisor doesn’t want the whole dataset to be made publicly available as it is. However, he is very keen that whenever research papers based on the data are published, relevant portions of the data that support the findings are also published.”*

*“Having a secure and fairly straightforward means by which to share data with selected collaborators around the world would be extremely useful.”*

*“It would be useful for graduate students to learn to pick the appropriate tool for the appropriate question and the appropriate data ... to know what their options are.”*

Research data lifecycle

# Academic Divisions & Departments

idea    funding bid    data gathering    documentation    curation    access and re-use  
planning    lit./data review    analysis & research outputs    deposit    discovery

Tools & Services

## Research Services

Oxford DMP online

# COORDINATION

DATASTAGE

## ORBIT Services

Online Research Database Service

DataBank

## Bodleian Libraries

Datfinder

Departmental data stores

## Oxford eResearch Centre (OeRC)

colwiz & other V2.0 applications

External data repositories  
UK DATA ARCHIVE    aods    British Oceanographic Data Centre    PubChem    eCrystals

Institutional RDM Policy

Training & Support

Oxford infrastructure

External



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# Next Steps

- Completion of outstanding functionality
- User testing & support
- Establishing sustainable services around the software
- Customization for specific disciplines