# Supporting researchers in managing data
## COAR RDM Working Group
### Venice, 10 May, 2017

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COAR
Confederation of Open Access Repositories

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# Overview

- The UoE Research Data Service – tools & support for working across the data lifecycle

- User journey workflow

- Focus on support for Data Management Planning

- Edinburgh DataShare repository current status

# RDM as part of research support: tools & support for working across the data lifecycle

| BEFORE | DURING | AFTER | TRAINING & SUPPORT |
|---|---|---|---|
| create a data management plan | working with data | share and archive your data | |

Service developed as part of RDM Roadmap, 2012-2017, and in support of the University Research Data Management Policy (2011)

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*Information Services*
## RESEARCH DATA SERVICE

**Research Data Service home**

**Planning data**

**Working with data**

**Sharing & preserving data**

**Data training**
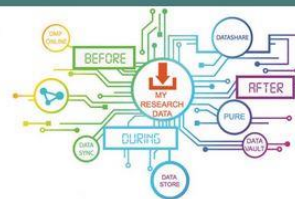
**About the research data service**

Contact us

## Research data management planning



Tools and support for creating data management plans

## Working with active research data



Tools and support for sourcing, managing and using data during a project

## Sharing & preserving research data



Ensuring that research data are shared and preserved at the end of a project

## About the Research Data Service

The Service is a suite of tools and support that helps staff and students be effective with their research data before, during and after their project.
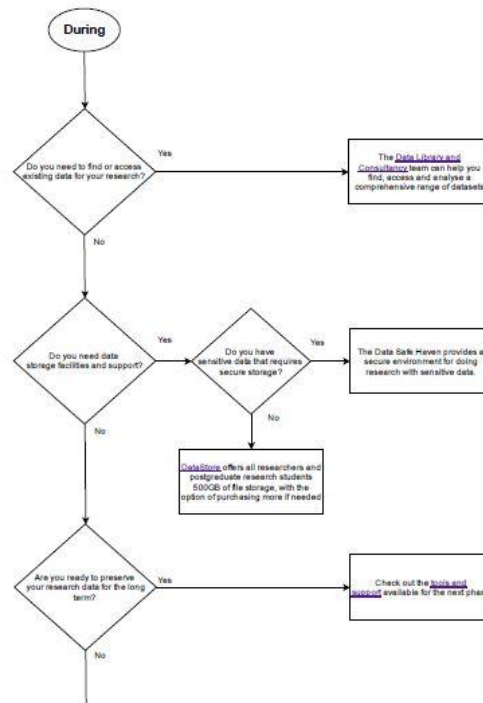
## Training

A range of training programmes on using data and on research data management (RDM): scheduled workshops, online courses, how to request a tailored workshop for your group.

## Edinburgh Research Data Blog

The Data Blog features updates on services, projects and events from the Research Data Service team.
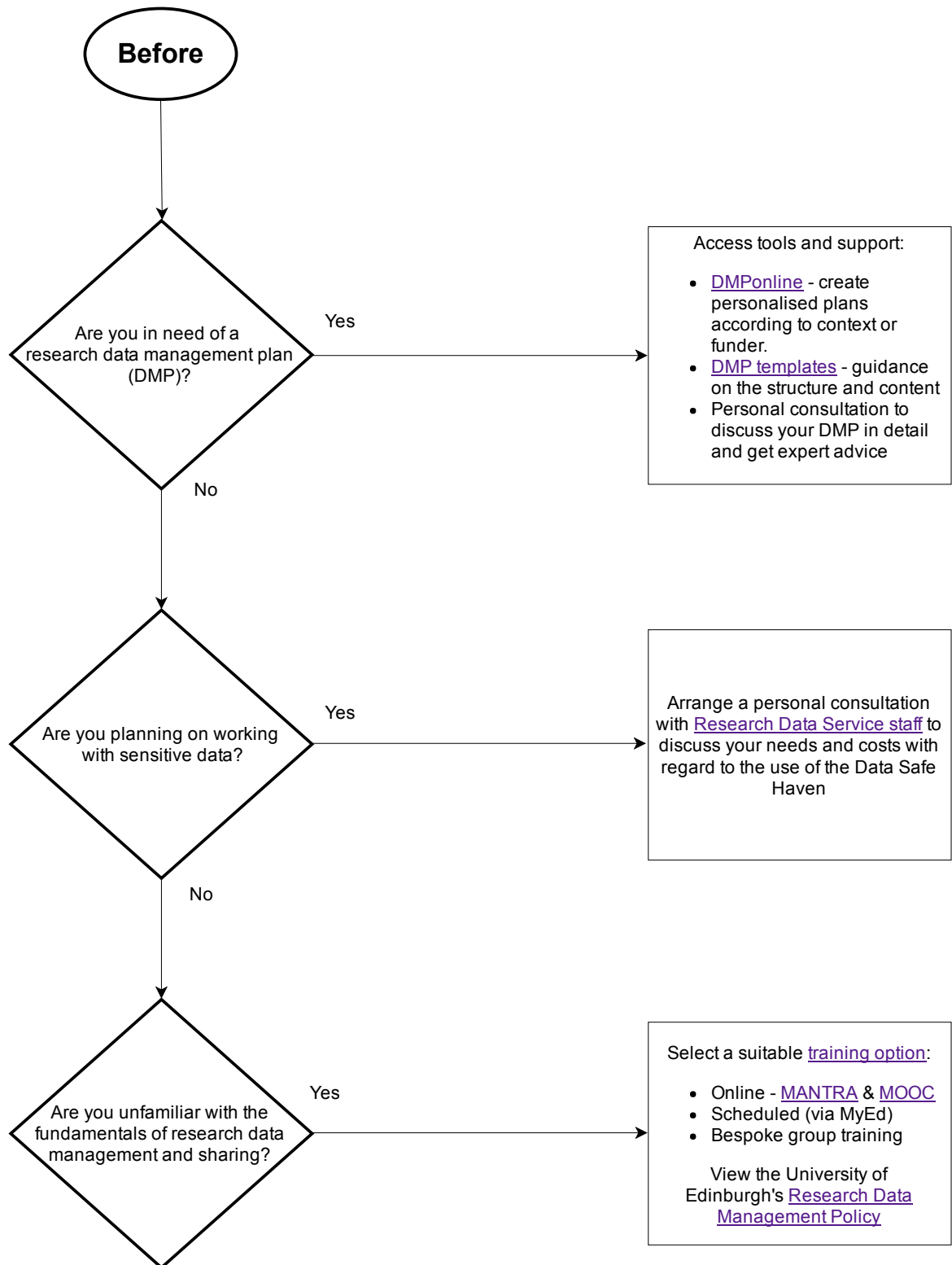
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# User journey workflow

# Research Data Service
Providing a suite of tools and support for all stages of the research data management process

**Before**

Are you in need of a research data management plan (DMP)?

Yes →

Access tools and support:

- DMPonline - create personalised plans according to context or funder.
- DMP templates - guidance on the structure and content
- Personal consultation to discuss your DMP in detail and get expert advice

No ↓

Are you planning on working with sensitive data?

Yes →

Arrange a personal consultation with Research Data Service staff to discuss your needs and costs with regard to the use of the Data Safe Haven

No ↓

Are you unfamiliar with the fundamentals of research data management and sharing?

Yes →

Select a suitable training option:

- Online - MANTRA & MOOC
- Scheduled (via MyEd)
- Bespoke group training

View the University of Edinburgh's Research Data Management Policy

Looking for specific advice and support? Contact the Research Data Service team: data-support@ed.ac.uk, tel: 515277

# Research Data Service
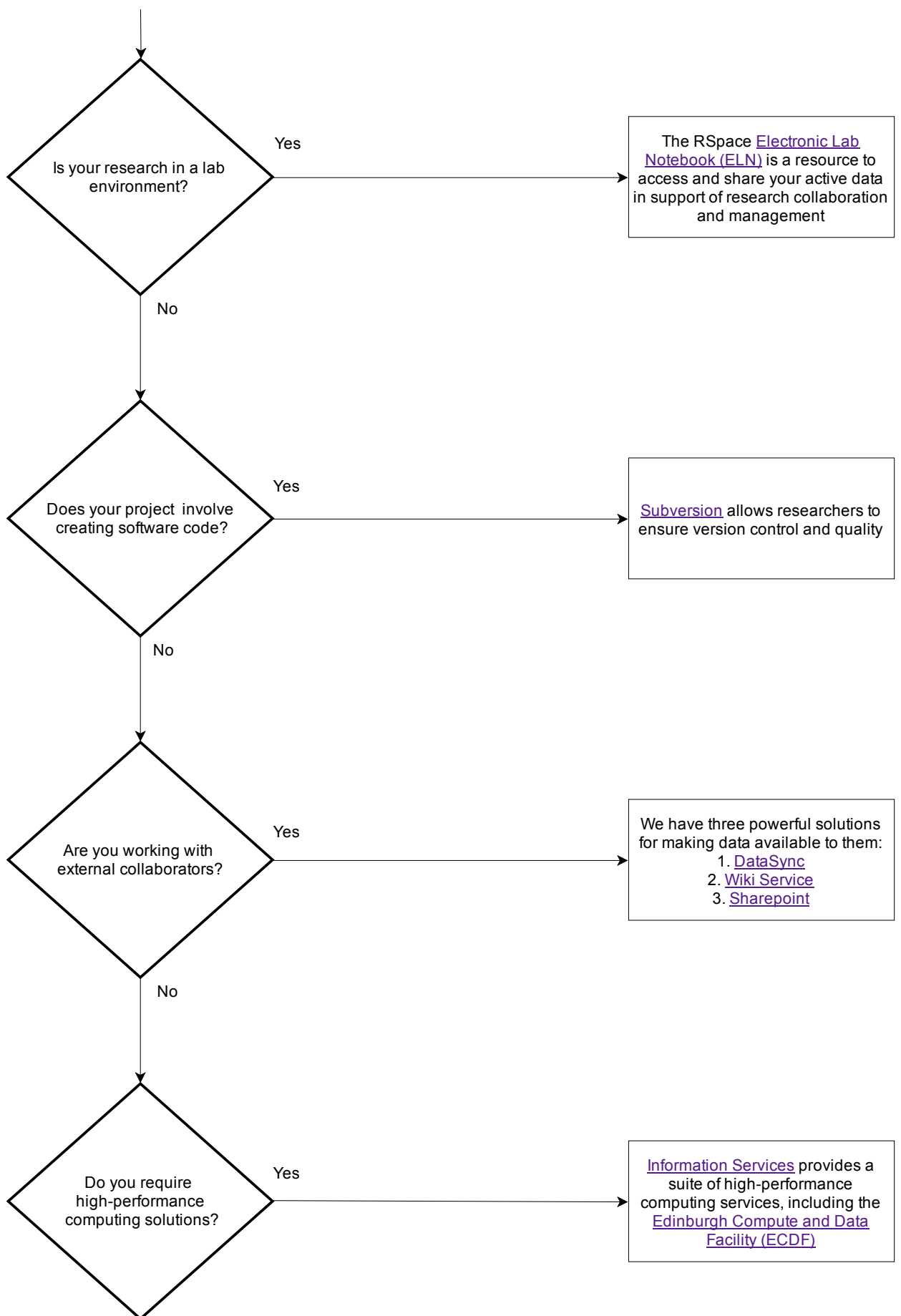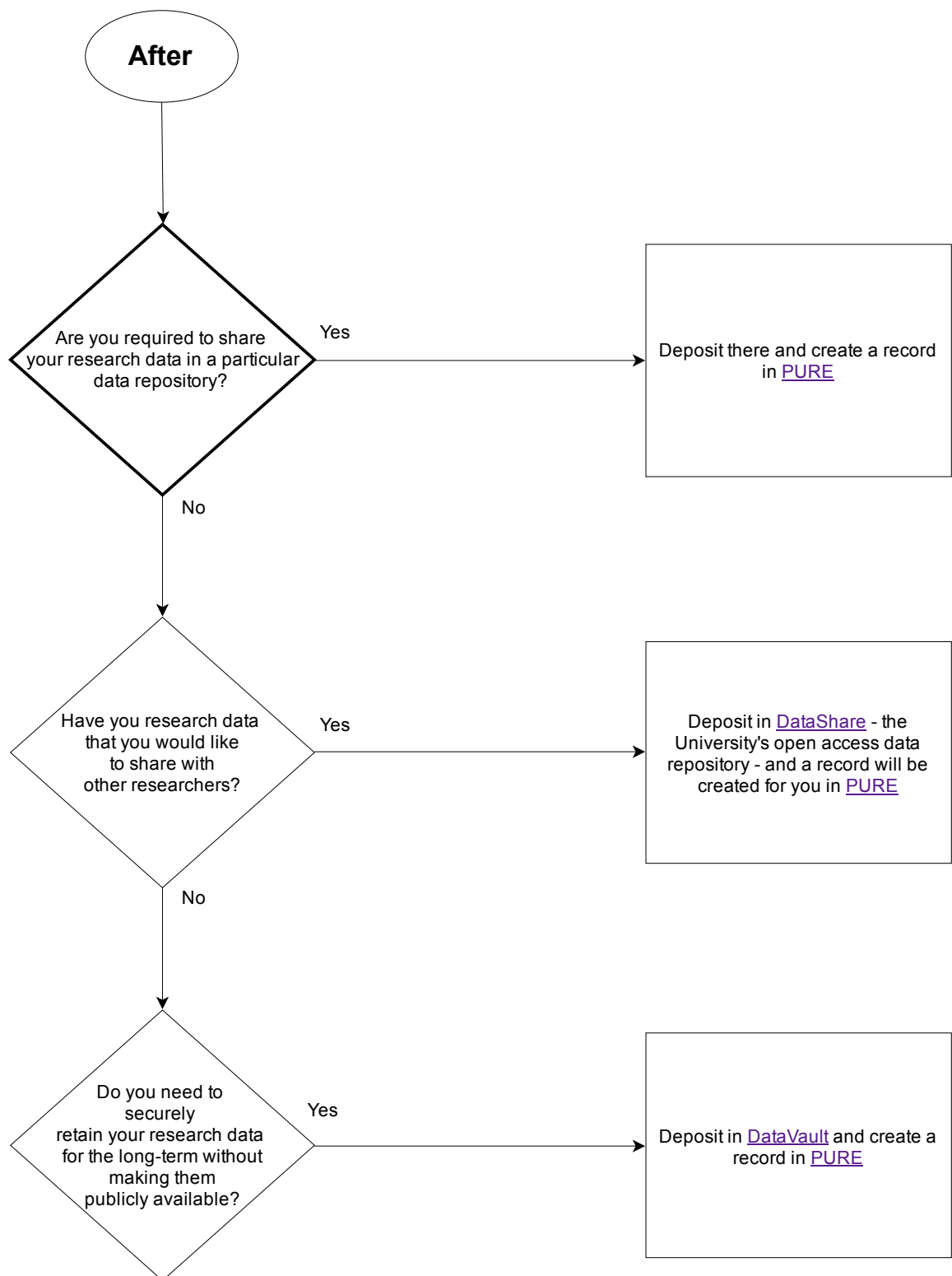
Providing a suite of tools and support for all stages of the research data management process

**During**

Do you need to find or access existing data for your research?

**Yes** → The Data Library and Consultancy team can help you find, access and analyse a comprehensive range of datasets

**No** ↓

Do you need data storage facilities and support?

**Yes** → Do you have sensitive data that requires secure storage?

**Yes** → The Data Safe Haven provides a secure environment for doing research with sensitive data.

**No** ↓ DataStore offers all researchers and postgraduate research students 500GB of file storage, with the option of purchasing more if needed

**No** ↓

Are you ready to preserve your research data for the long term?

**Yes** → Check out the tools and support available for the next phase

**No** ↓

Is your research in a lab environment?

Yes → The RSpace Electronic Lab Notebook (ELN) is a resource to access and share your active data in support of research collaboration and management

No ↓

Does your project involve creating software code?

Yes → Subversion allows researchers to ensure version control and quality

No ↓

Are you working with external collaborators?

Yes → We have three powerful solutions for making data available to them:
1. DataSync
2. Wiki Service
3. Sharepoint

No ↓

Do you require high-performance computing solutions?

Yes → Information Services provides a suite of high-performance computing services, including the Edinburgh Compute and Data Facility (ECDF)

Looking for specific advice and support? Contact the Research Data Service team: data-support@ed.ac.uk, tel: 515277

# Research Data Service
Providing a suite of tools and support for all stages of the research data management process

**After**

Are you required to share your research data in a particular data repository?

**Yes** → Deposit there and create a record in PURE

**No** ↓

Have you research data that you would like to share with other researchers?

**Yes** → Deposit in DataShare - the University's open access data repository - and a record will be created for you in PURE

**No** ↓

Do you need to securely retain your research data for the long-term without making them publicly available?

**Yes** → Deposit in DataVault and create a record in PURE

Looking for specific advice and support? Contact the Research Data Service team: data-support@ed.ac.uk, tel: 515277

# RDM Training

- Open, online
  - Research Data Management Training (MANTRA)
  - Research Data Management & Sharing MOOC (Coursera)
- Scheduled workshops (postgrads)
  - Creating a data management plan for your grant application
  - Managing your research data: why is it important and what should you do?
  - Good practice in research data management
  - Working with personal & sensitive research data
- Bespoke training (academic staff)

# Focus: support for DMPs

- Awareness raising around DMP requirements and benefits; training available
- Devolved & centralised support: reviewing DMPs
  - ~ 41 DMP enquiries answered since August 2016
- Sample DMPs (more local the better)
- DMPOnline tool, with UoE customisation
- *Could be more proactive in conjunction with research office: at start and completion of grant*

# Emphasise benefits over compliance

***Eg, Writing DMPs can help you to:***

- Make informed decisions to anticipate & avoid problems.

- Avoid duplication, data loss and security breaches.

- Develop procedures early on for consistency.

- Ensure data are accurate, complete, reliable and secure.

- Save time and effort to make your lives easier.

- Plan to share data early on and increase impact.

# DMPonline users @ Edinburgh
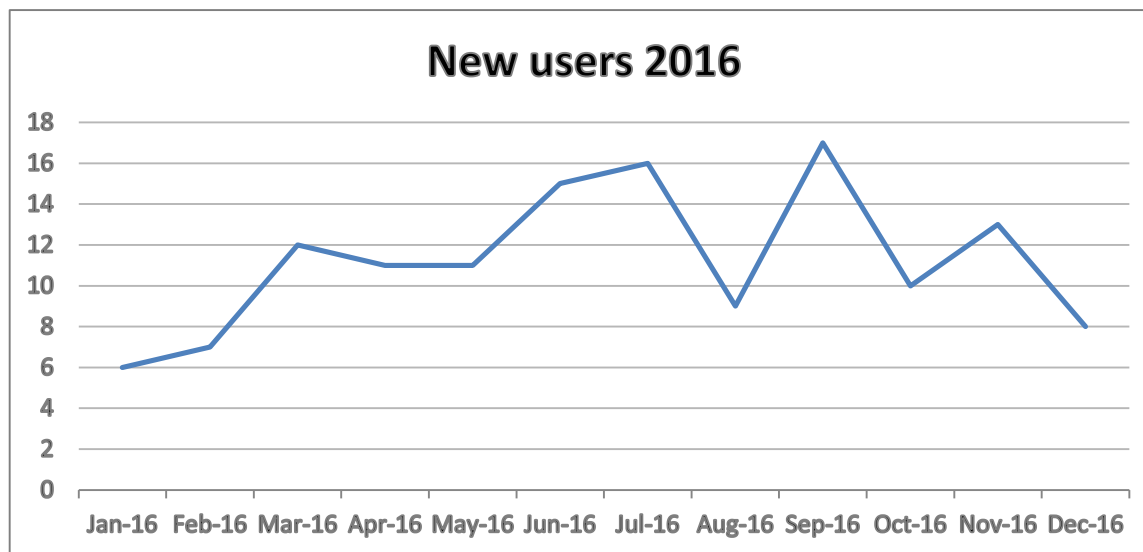


**New users 2016**

| Total of users in 2015 | 118 |
|---|---|
| New users 2016 | |
| Jan-16 | 6 |
| Feb-16 | 7 |
| Mar-16 | 12 |
| Apr-16 | 11 |
| May-16 | 11 |
| Jun-16 | 15 |
| Jul-16 | 16 |
| Aug-16 | 9 |
| Sep-16 | 17 |
| Oct-16 | 10 |
| Nov-16 | 13 |
| Dec-16 | 8 |
| Total of users | 135 |

- An average of 11 new users per month

- Peaks in June, July & September

- 14% increase on total users in 2016 compared to previous year

*Slide by Sarah Jones, DCC*

DMP ONLINE

# RESEARCH DATA SERVICE

Edinburgh
**DataShare**

**Deposit data** ⬆

How to deposit
Checklist for deposit
Benefits of deposit

**DataCite**

**IRUS**-UK

## INFORMATION SERVICES

| Type | Date Accessioned |
|------|------------------|
| image (1098) | 2017 (325) |
| dataset (622) | 2016 (345) |
| sound (156) | 2015 (1077) |
| ... View all | 2014 (111) |
| | 2013 (24) |
| | 2012 (44) |
| | 2011 (5) |
| | 2010 (3) |

**Item submission**

| Describe | Upload | Review | License | Depositor Agreement | Complete |

## Total Visits

| | Views |
|---|---|
| RCrO3-xNx ChemComm 2016 | 6758 |
| International Stroke Trial database (version 2) | 4771 |
| Database of Dedications to Saints in Medieval Scotland | 3807 |

2014 DSA 2017

CC BY

# *Thank you*

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http://datablog.is.ed.ac.uk

The Data Librarian's Handbook

Robin Rice and John Southall