



Applying gap analysis to a data life cycle approach in development of RDM services

Robin Rice

Data Librarian and Head, Research Data Support

Information Services

COAR RDM Webinar

5 November 2018





About University of Edinburgh

- Founded 1583
- 39,576 students
- 14,346 postgraduate students
- 6,816 academic staff
- Research income: £253.9 million (2015-16)
- Mission: the creation, dissemination and curation of knowledge
- 20 schools in 3 colleges:
 - Arts, Humanities & Social Sciences
 - Medicine & Veterinary Medicine
 - Science & Engineering



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About Information Services



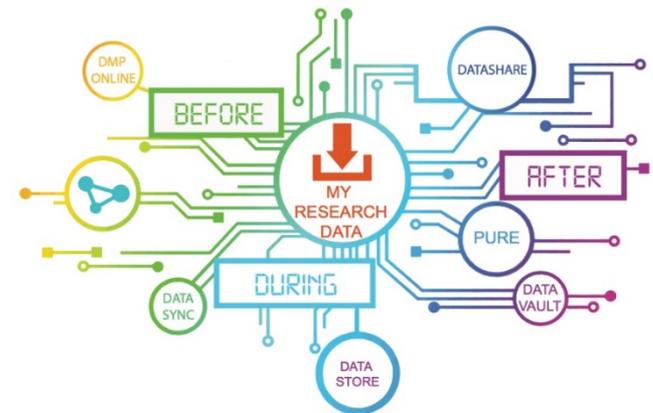
Argyle House © CoStar

- Applications
- IT Infrastructure
- Learning, Teaching & Web
- Library & University Collections
- User Services
- Information Security
- EDINA
- Digital Curation Centre



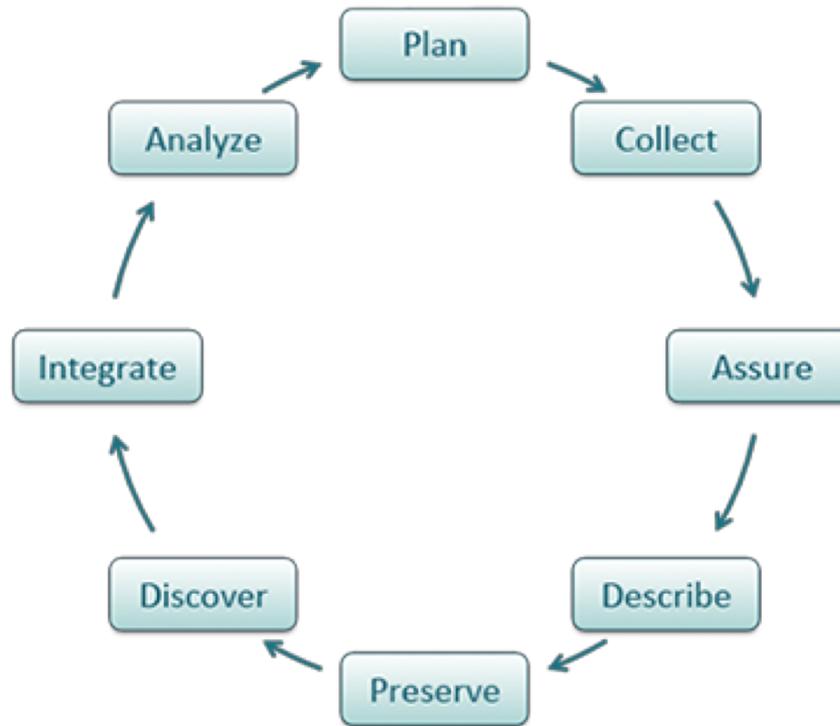
RDM as a service at UoE

- Pre-existing projects & services (patchy), 2010
- RDM Action Group, 2010
- RDM Policy, 2011
- 1st RDM Roadmap, 2012
- Governance c'tee, 2012
- Formal service designation,
- Data lifecycle as service metaphor, 2016
- Third Roadmap, 2017-2020





Data lifecycle and RDM actions



<https://www.dataone.org/best-practices>



Simplified lifecycle used to describe our services



Lifecycle as our website navigation

Information Services

RESEARCH DATA SERVICE

Research Data Service home

Data training

Data management planning

Working with data

Sharing & preserving data

Research Data Service video

About the Research Data Service

Home > Information Services > Research Support > Research Data Service

Contact us

Why research data management?

Sharing and responsibly managing data produced or re-used in a research project is required by major funders and publishers, and supports academic quality and transparency.

Training and support

We offer a range of training programmes on research data, including regularly scheduled workshops, online courses and tailored events. Browse your options here.

About the Research Data Service

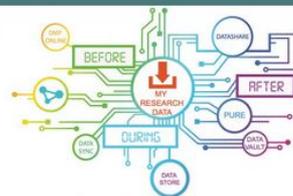
The Service is a suite of tools and support that helps staff and students be effective with their research data before, during and after their project.

Before you begin



Create a data management plan to ensure that your research proposal is as strong as it can be.

While your work is in progress



Store, manage, protect and collaborate on research data during your research project.

At the end of your research



Archive, preserve and share your data towards the end of a project, and link datasets to your publications.

Before your research project begins



BEFORE

create a data
management
plan

Tools and Support	Description
DMPOnline	Online tool to create a data management plan, based on University and funders' templates
Support and DMP Review	Answer enquiries and review plans, provide advice; in-depth or quick turaround
Sample DMPs	Library of successful plans to show researchers in different disciplines

During your research project



DURING

working with
data

Tools and Support	Description
Finding data	'Finding data' portal and data librarian consultancy; help with accessing / purchase of datasets or data subscriptions
Active data storage (DataStore)	Central, backed up storage for all researchers - individual and shared spaces
Sensitive data (Data Safe Haven)	New, secure facility for working with sensitive data on remote server. We are pursuing ISO 27001 security certification
Code versioning (Subversion, Gitlab)	Private or public software code storage and management. Documents all code and allows rollback to prior versions
Collaboration and data sync'ing (DataSync)	Open source tool to allow external partners to access your research data
Electronic Lab Notebook (RSpace)	Data management for laboratory based research; interoperable with local systems

After your research project is finished



AFTER

share and
archive your
data

Tools and Support	Description
Open Access data repository (DataShare)	Allows researchers to share data publicly and preserve for long-term
Long-term retention (DataVault)	Deposit datasets for a specified retention period (for example, 10 years), immutable copy
Data asset register through the University CRIS (Pure for datasets)	Record a description of your dataset along with your publications and research projects

Training and support throughout your project



TRAINING
&
SUPPORT

Tools and Support	Description
General RDM support	Answer enquiries by email, phone or appointment; track through central helpdesk system
Online training (MANTRA and RDMS MOOC)	Learn online at your own pace or with a cohort of peers through our open educational resources
Scheduled and bespoke training	Sign up for a scheduled workshop or request a special training session for your research group
Research Data Service website	All the tools and support in one place, increasingly self-serve
Blog and promotional materials	New developments on our Research Data Blog. Service video and brochure
RDM Forum & Sharepoint site	Regular meetings for school support staff plus access to shared resources
Dealing with Data event	Attend an annual conference of researchers talking about their data challenges and solutions



Thank you!

<https://www.ed.ac.uk/is/research-data-service>

r.rice@ed.ac.uk