



THE UNIVERSITY *of* EDINBURGH
Digital Research Services



DIGITAL RESEARCH SERVICES
SUPPORT IN ALL STAGES OF
YOUR RESEARCH LIFECYCLE

11th of March | Institute for Particle and Nuclear Physics

Dr André Vieira | Research Facilitator, CSE

How can the DRS help?

We act as a focal point for all the data and computing services available to researchers at the UoE.



JOURNAL CHECKER TOOL

Journal Checker Tool

Which publishing options are supported by your funder's OA policy?



Overleaf

An online LaTeX writing tool that allows you to easily create and collaborate on formatted scientific and technical



DataShare

Share your data with other researchers. Make your data FAIR!



CLOCKSS

An archive to ensure the long term preservation of and access to digital content.



Geospatial Consultancy

Consultancy for geospatial technology applications, use and advice e.g. GIS, mapping

Eddie

A high-performance Linux computing cluster to run analysis faster than a desktop computer.



Open Science Framework

An open source project management platform for researchers.

- ✓ Publish and Share
- ✓ Office Equipment
- ✓ General Computing
- ✓ Telephony, Printing and Scanning

CMVM Research Computing Overview



Edinburgh Diamond

A service provided by Edinburgh University Library that supports the publication of academic and student-led



Statistical Accounts of Scotland

Digitised and searchable versions of the Old Statistical Account and the NEW Statistical Account.



Edinburgh Research Archive (ERA)

Need a Digital Object Identifier (DOI) for your project report or briefing paper? Deposit your research output in ERA.



ARCHER2

ARCHER2 is the UK National Supercomputing Service.



UK Data Service Census Support

A central clearing house for UK population census data from 1971 to present.



Pure

Create a record of all your research activities, data and outputs to showcase your research work.

SOME DIGITAL RESOURCES



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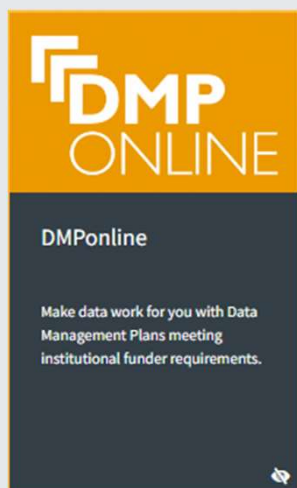


- **Create, review, and share Data Management Plans (DMP)**
- **A DMP is a document that describes your plans for creating, organising, documenting, storing and sharing data.**
- **Contains templates designed to meet the specific requirements of different funders in the UK and overseas covering a wide range of disciplines**
- **Free for researchers at UoE**
- **You can give access to your co-authors**
- **If you move to another institution, you can just update your DMPonline account with your new details**

SOME DIGITAL RESOURCES



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University of Edinburgh's Plans

The table below lists the plans that users at your organisation have created and shared within your organisation. This allows you to download a PDF and view their plans as samples or to discover new research data.

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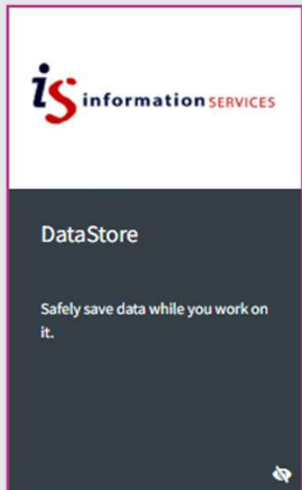
Search

Project Title	Template	Owner	Updated	Download
Understanding how people explain the ...	UKRI Future Leaders Fellowships Template for a Data Management Plan	balint.gyevnar@ed.ac.uk	12-04-2023	
Trypanocide usage practices in Uganda	National Institutes of Health (NIH)	keneth.kasozi@ed.ac.uk	03-01-2024	
Tropical Forest Degradation Experimen...	ERC DMP	edward.mitchard@ed.ac.uk	09-07-2018	
Translating Machine Learning into Fin...	UoE Data Management Plan	taylor.spears@ed.ac.uk	27-10-2020	
Tracing the building culture of Frank...	UoE Default DMP template for Research Staff	d.theodossopoulos@ed.ac.uk	30-05-2023	
Thinking with Fire: Fire science	UoE Default DMP template for Research Staff	liam.ross@ed.ac.uk	10-11-2022	

SOME DIGITAL RESOURCES



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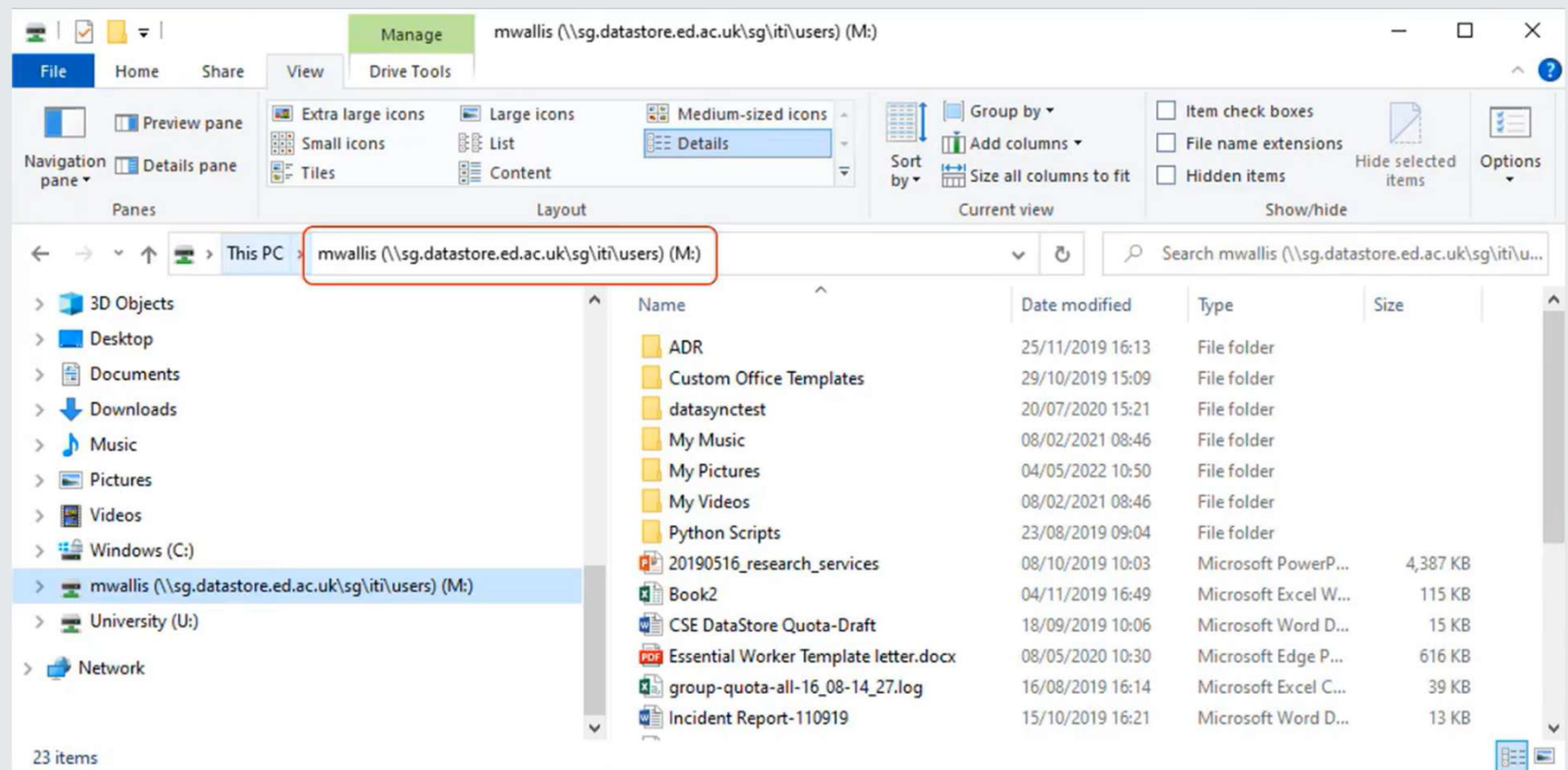
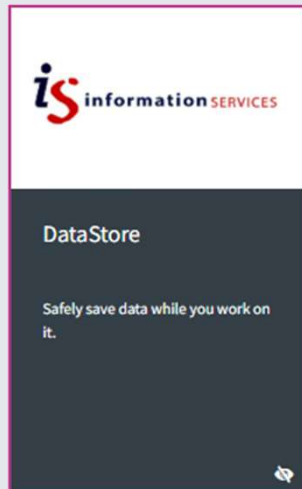


- Free 'at point of use' individual allocation of 500 GB for every researcher
- Group spaces (One or more people)
- Backed up to 3 different locations with offsite disaster recovery platform and offsite backup and retention
- Restricted to University of Edinburgh computers
- Support for very large data (>1 PB)
- Connection between DataStore personal allocation or group space with DataSync
- No Data encryption

SOME DIGITAL RESOURCES



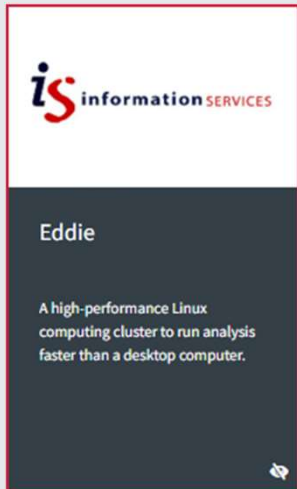
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SOME DIGITAL RESOURCES



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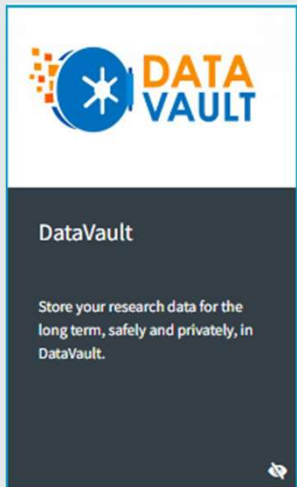


- **Work can be run in parallel taking advantage of multiple compute cores**
- **Priority and exclusive access to resources is available for funded projects**
- **A number of applications are installed on Eddie and you can install your own**
- **Eddie connects with DataStore**
- **Training, support and consultancy services are available**
- **Standard allocation: Free**
- **Paid options:**
 - Priority
 - Ringfence - Exclusive access to one or more of the computing nodes
 - Storage

SOME DIGITAL RESOURCES



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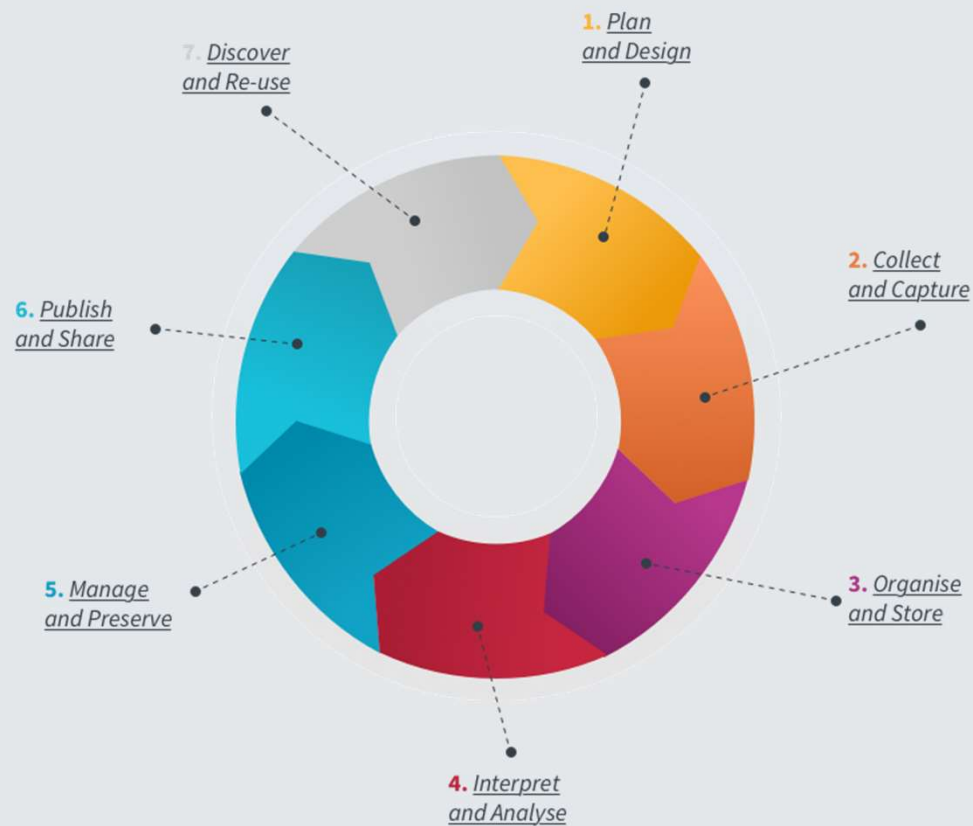


- A long-term, low-cost, immutable, and safe storage solution
- Research data which is no longer active or not intended for publication
- Each 'vault' represents a research project, and can have any number of separate deposits
- Connected to Pure where you can link it to information about any related research outputs
- Connects with DataStore
- Up to 100TB
- There is no charge for Vaults containing 100GB or less

DIGITAL RESEARCH SERVICES



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THE DRS CAN HELP RESEARCHERS WITH:

- RESEARCH PLANNING
- DATA STORAGE AND DATA SHARING
- COMPLY WITH BEST RESEARCH PRACTICES
- SPEED UP ANALYSIS
- MEETING FUNDER REQUIREMENTS
- PUBLISHING AND PROMOTING YOUR DATA AND WORK – OPEN RESEARCH



Digital Research Services

A single point of access to all of the data and computing services available to researchers at the University of Edinburgh.

Working with you throughout the research life cycle

Use the interactive lifecycle to access resources relevant to each research stage.

FEEDBACK

7. Discover
and Re-use

1. Plan and
Design

6. Publish and

I am looking to perform
the following task(s)

- Finding data
- Gathering data

RESEARCH FACILITATION TEAM

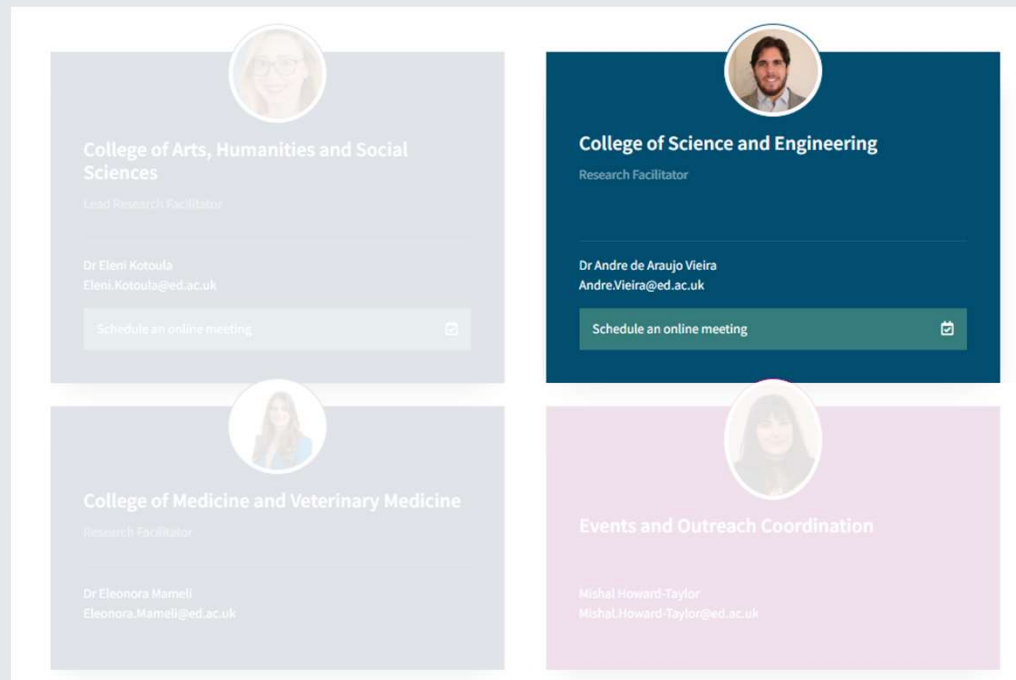


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Connect researchers
and service
providers

Community
Building &
Networking

Enhance the
research with
digital resources



Help you navigate the
complex landscape of
digital tools

Tailored
approach to
the problem

Produce digital
resource-related
training material



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DRS AMBASSADORS INTERNSHIP SCHEME

Amplify your research efforts by participating in our fully funded internship scheme for postgraduate research students, developed by Digital Research Services.

digitalresearchservices.ed.ac.uk/training/ambassadors



2024 DRS AMBASSADORS HOSTS



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HOST	PROJECT	COLLEGE
Margaret MacDougall Usher Institute	Assessing medical school applicants' performance in the quantitative component of the admissions test against their qualifications in mathematical sciences.	CMVM
Ian Maccormick Centre for Clinical Brain Sciences (CCBS).	Creating a sustainable data management flow for medical research expeditions.	CMVM
Julie Rodor Centre for Cardiovascular Science (CVS).	Visualising datasets and optimising the use of Eleanor, the University's Cloud Service.	CMVM
Kasia Banas Usher Institute	Developing a programme of learning analytics work for data science teaching.	CMVM
Laura Cariola School of Health in Social Sciences	Data-Driven Natural Language Analysis to Predict Outcomes in Psychological Therapy for Depression.	CAHSS
Gian Marco Campagnolo School of Social and Political Sciences	Gender inequalities in sport analytics.	CAHSS
Jordana Viotto da Cruz Business School	Students' approach to the use of generative AI.	CAHSS
Caroline Laffey School of Social and Political Science	SSPS Research Grants Dashboard.	CAHSS
Adam Mol School of Biological Sciences	RNA sequencing analysis for the design of splicing-based devices for gene and oncolytic therapies.	CSE
Giorgos Papageorgiou School of GeoSciences	Front end for scientific Code on Earth and Wave Modelling.	CSE

2024 DRS AMBASSADORS MATCHES



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HOST	COLLEGE	COLLEGE	INTERN
Margaret MacDougall Usher Institute	CMVM	CSE	Ricardo Gabriel Valencia Albornoz PhD School of Biological Sciences
Ian Maccormick Centre for Clinical Brain Sciences (CCBS).	CMVM	CMVM	Clara Lopez Velasco MsC Clinical Sciences
Julie Rodor Centre for Cardiovascular Science (CVS).	CMVM	CMVM	Jesko Wagner PhD Institute of Genetics and Cancer
Kasia Banas Usher Institute	CMVM	CSE	Hollie Hindley PhD School of Biological Sciences
Laura Cariola School of Health in Social Sciences	CAHSS	CSE	Kaitlyn Louth PhD School of Mathematics
Gian Marco Campagnolo School of Social and Political Sciences	CAHSS	CSE	Yasmin Hengster PhD School of Mathematics
Jordana Viotto da Cruz Business School	CAHSS	CSE	Vidminas Vizgirda PhD School of Informatics
Caroline Laffey School of Social and Political Science	CAHSS	CSE	Niamh Graham PhD School of Mathematics
Adam Mol School of Biological Sciences	CSE	CMVM	Léa Soler-Clavel MsC Institute of Genetics and Cancer
Giorgos Papageorgiou School of GeoSciences	CSE	CSE	Sarah Dunn PhD School of Informatics



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DRS PODCAST

STUDENTS' APPROACH TO THE USE OF GENERATIVE AI



*Presenter: André Vieira | Research Facilitator
Digital Research Services*







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HPC IN FOCUS

Explore High-Performance Computing in a series of events Online and at the University of Edinburgh King's Buildings Campus.

<https://digitalresearchservices.ed.ac.uk/training/hpc-in-focus>



Spotlight On: Research Planning

Join our online seminar series, where we will tackle planning and designing your research project.

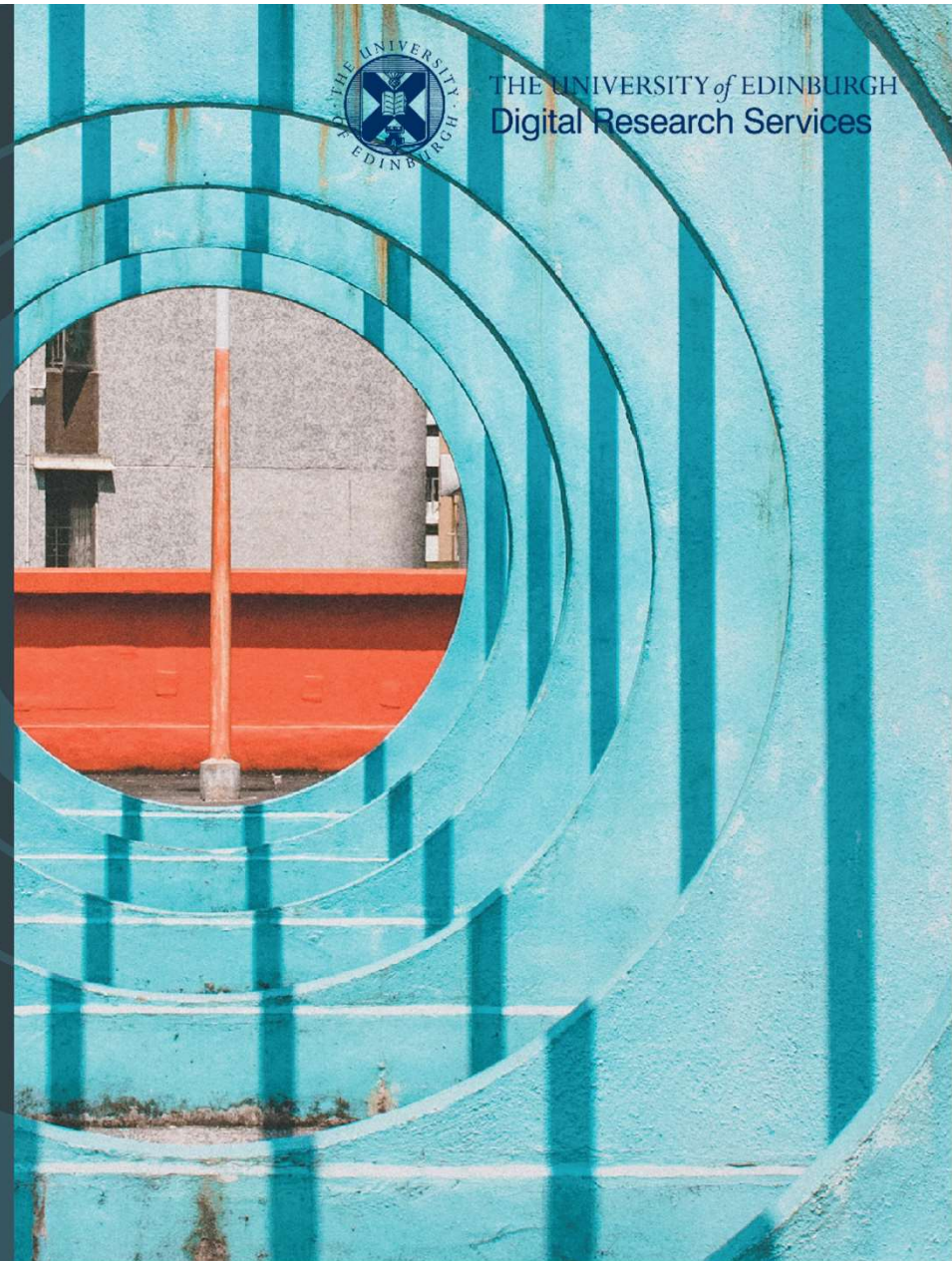
- Copyright Essentials: Understand key copyright issues.
- Data and Computation Planning: Estimate data and computing needs accurately.
- Research Websites: Decide if your project needs a website.
- Research Data: Learn about data as research outputs and management plans.

Each session includes expert presentations and a Q&A session to help you move forward with confidence.

digitalresearchservices.ed.ac.uk/training/spotlight-on-research-planning



THE UNIVERSITY of EDINBURGH
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Enjoy a Slice of Digital Research



Safe & secure research data storage

Research Services - 18th March 2025

Edinburgh Futures Institute (EFI) Room 1.55 & Online via MTeams

Join research services colleagues for a seminar on data storage solutions (DataStore), data exchange with external collaborators (DataSync), version control (GitLab), supercomputing (Eddie), and cloud computing (Eleanor).

Highlights:

- Store and organize your research data securely
- Access research computing services
- Implement version control efficiently

In-person | Book your place



Online | Book your place





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THEMES & SESSIONS INCLUDE:

- AI and future directions of Digital Research
- Sensitive Research Data
- Digital Research Planning
- Digital Research Careers
- Digital Research Skills
- Digital Research Communities
- Information Security and Data Protection
- ...and many more



Digital Research Conference

29 JANUARY 2025
EDINBURGH



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Your Research, Your Voice: **Take the DRS Survey**

Share your needs, guide our priorities &
help shape the future of research
support at the University of Edinburgh.

Take the survey: edin.ac/DRS2025



USEFUL LINKS



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<https://mlist.is.ed.ac.uk/lists/subscribe/digitalresearch>



<https://uoe.sharepoint.com/sites/DRSFacilitation>



<https://www.digitalresearchservices.ed.ac.uk/>



https://www.linkedin.com/company/DRS_UoE



https://twitter.com/DRS_UoE



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