Cybersecurity and research data management:
The UoM Data Management Planning Compliance Platform

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The University of Manchester has about 40,000 students and 12,000 staff

The University of Manchester has been targeted by a cyber attack.

e university's chief operating officer said data may have been copied after e systems were "accessed by an unauthorised party".

ckett said staff were "working around the clock" to resolve the

BBC News June 2023

Background

- UoM cyber incident in Summer 2023

- Response and future planning

- Data Management Plans and compliance

- Data Management Planning Compliance Platform (DMPCP)

How good data management planning fosters a secure research environment and supports cyber security goals

- Compliance with Legal, Regulatory and Funder Standards
- Clear Data Classification
- Defined Access Controls
- Secure Data Storage and Transfer
- Incident Response Preparedness
- Data Backup Strategy
- Vendor, Partner and Cloud Security
- Awareness and Training
- Data Retention and Disposal
- Alignment with Frameworks
- Proactive Risk Assessment

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The UoM RDM & DMP Service
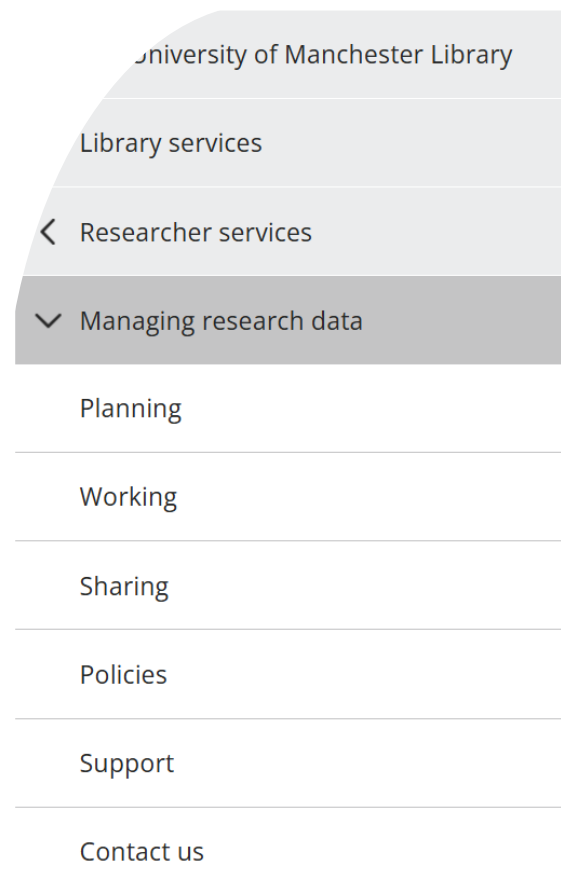
Managing research data
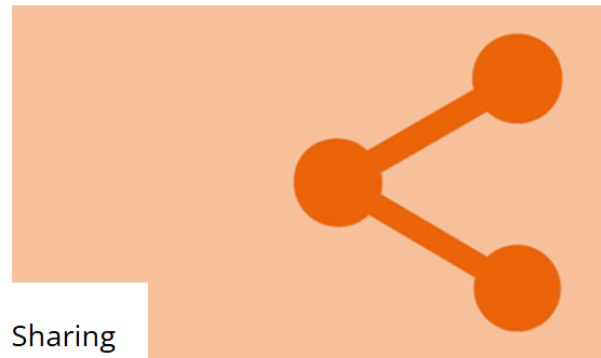
To find data produced by researchers at the University of Manchester please see our [institutional data catalogue](#).

University of Manchester Library

Library services

Researcher services

Managing research data

Planning

Working

Sharing

Policies

Support

Contact us

Planning
Data management planning and tools

Working
Managing your data throughout your project

Sharing
How and where to share your research data

Policies
Information on University and funder policies

Support
Support offered by the RDM Service
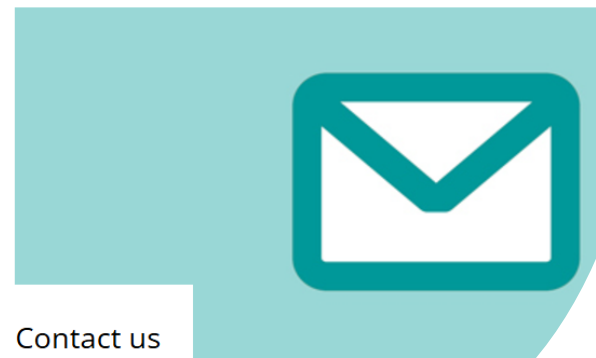
Contact us
Get in touch

Core DMP Service

- Training

- DMPonline

- DMP Reviews

DMPonline (1)

Dashboard screen

My Dashboard   Create plans   📖 Reference ▾   Help

🌐 Language ▾   👤 Bill Ay...

🌐 Research Data Management at the University of Manchester

niversity of Manchester

✉ Research Data Management service team

🔒 Admin ▾

My Dashboard

The table below lists the plans that you have created, and that have been shared with you by others. You can edit, share, download, make a copy, or remove these plans at any time.

Project title	Template	Edited	Role	Test	Visibility	Shared	
Test project	University of Manchester Generic Template	07-06-2024	Co-owner	☐	Private	Yes	Actions ▾

Create plan

University of Manchester'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.

🔍 [   ]   Search

Project title	Template	Owner	Updated	Download
Towards a Feminist Peace	University of Manchester Generic Template		21-06-2024	📄PDF
How can sustainable brands use storyt...	University of Manchester Generic Template		20-06-2024	📄PDF
Effects of a vibrotactile wristband (...	University of Manchester Generic Template		17-06-2024	📄PDF
STARS: Space Technology Architecture ...	UKRI Future Leaders Fellowships Template for a Data Management Plan		13-06-2024	📄PDF
7T MRI lab Data Management Plan	University of Manchester Generic Template		10-06-2024	📄PDF
OPTIWAVE-3DP: Material, Process and ...	EPSRC Data Management Plan		05-06-2024	📄PDF
The Interfaces Between (In)Security	University of Manchester Generic Template		05-06-2024	📄PDF

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DMPonline (2)

Plan Screen

...data will you use in this project (please select all that apply)?

☐ Acquire new data
☐ Re-use existing data (please list below)
☐ Generate textual supporting information only

Additional Information

Guidance | **Comments**

Manchester

If you are not sure if you have data please refer to the definition at the top of this section. If your data solely consists of your own notes made from readings of published texts, please select 'Generate textual supporting information only'.

Save

4. Where will the data be stored and backed-up during the project lifetime?

☐ University of Manchester Research Data Storage Service (Isilon)
☐ University of Manchester Data SafeHaven
☐ P Drive (postgraduate researchers and students only)
☐ Other storage system (please list below)

Additional Information

Guidance | **Comments**

Manchester

For guidance on University of Manchester Research Data Storage see http://www.rds.itservices.manchester.ac.uk. If you require more than 8 TB storage in the Research Data Storage service please contact ResearchIT.

University of Manchester Data Safe Haven provides infrastructure for the secure management and processing of highly restricted data that is personal, sensitive and confidential. It is a platform, for example, for:

- data users who need to be NHS Information Governance Toolkit (IGTK) compliant, including section 251 approval.
- data that is highly sensitive (e.g. defence data, commercial data etc.) and their security requirements can only be met by a data safe haven.

Save

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DMP Compliance - the story so far...

DMPs

A crucial "single point of truth" for research data

DMP Compliance Reporting - the old way

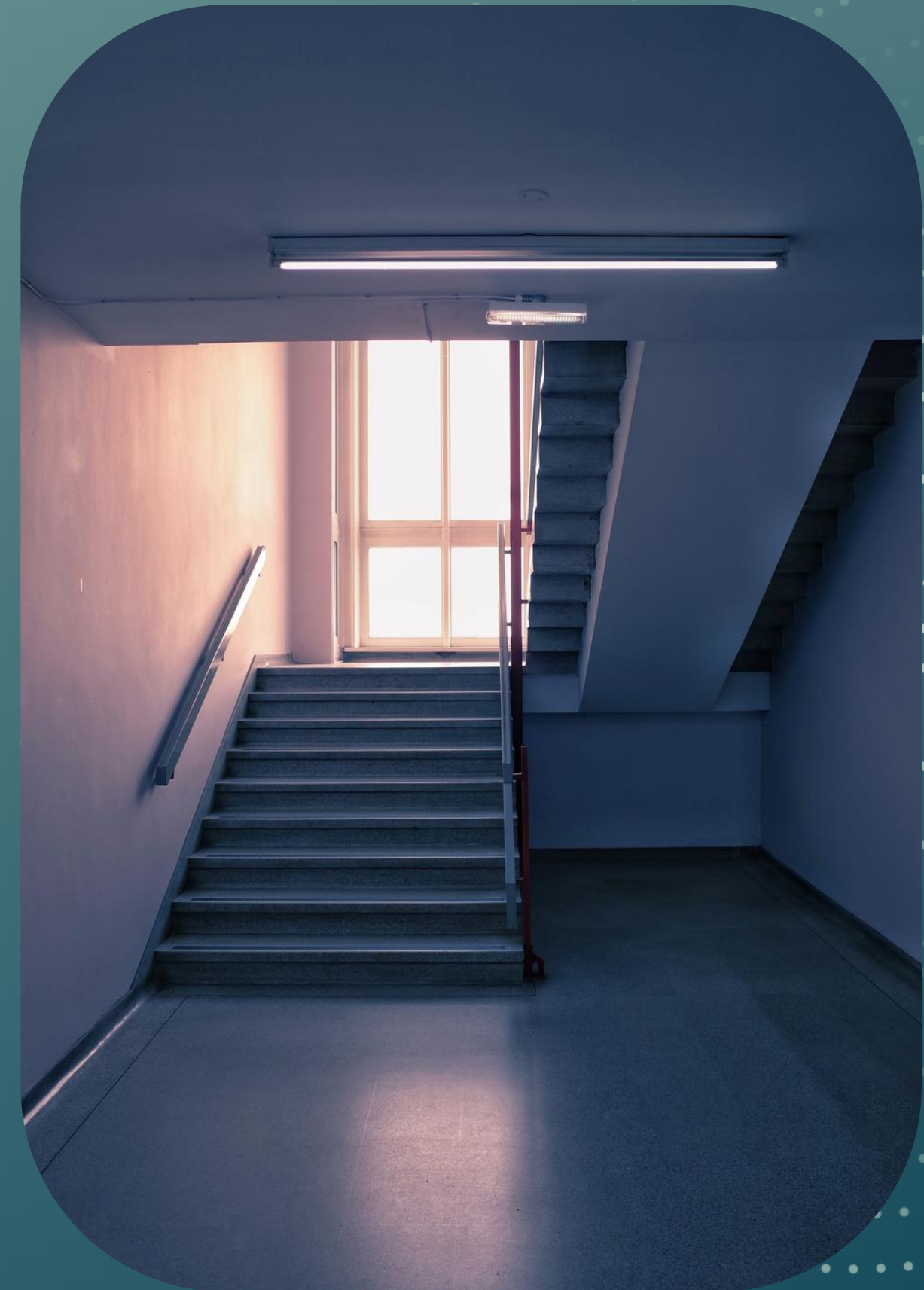Labour and resource intensive task, done annually

DMP Compliance Reporting - a new way?

Improve the process and respond to cyber security needs

DMPCP

Cyber Security & Digital Preservation

- DMPCP Platform is safe and secure

- Supports efforts to increase compliance

- DMPs as an output

- Open can mean secure and preserved

- Working group assembled Jan '24

- Scoping and design

- Active phase and review

- Prototype

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DMPC Home DMP Datasets Application Manage Users

Bill Ayres   Logout

Search Applications

Pure ID	Title		Active Year	DMP Matches
			2021	Yes

Parent Type	Application Type	HESA Category	Workflow status	Funder Reply
Research grant ✕ ▼	--Please Select-- ▼	--Please Select--	--Please Select-- ▼	AWARDED ✕ ▼

Faculty	School	Department	
Select a Faculty ▼	Select a School ▼	Select a Department ▼	⟳ Reset

Show 10 entries

Showing 1 to 10 of 750 entries

Previous 1 2 3 4 5 ... 75 Next

Pure ID	Title	Funding Organisation(s)	Collaborative Partners	Award ID	Start Date	R-Code	DMP Link	RDMP Ref	DMP Matches
99106274	Investigating the Tumour Immune Response of Radiotherapy. (APPLICATION)	The Christie Hospital NHS Foundation Trust		99144249	01/06/2019	R123766		RDMP6965	Yes
97763658	The Other from Within: Indian Anthropologists and the Birth of the Nation (APPLICATION)	Arts & Humanities Research Council (AHRC)	The University of Manchester University of Leeds	126909575	01/07/2019	R124105	https://dmponline.manchester.ac.uk/plans/46415		Yes
97493655	SMART Experimental Cancer Medicine Trials eNABLED. (APPLICATION)	Cancer Research UK LTD		174364401	01/02/2020	R125279		RDMP5990	Yes
96681112	Metastatic Prostate Cancer and Innate Immunity: Finding a Predictive Biomarker for Response to Taxanes. (APPLICATION)	Kantonsspital St Gallen		96754862	20/03/2019	R123731		RDMP9837	Yes
95547674	Fit to belong: Design and implementation of teaching and learning materials to mitigate loneliness in youth	European Commission	The University of Manchester Manisa Sosyal Bilimler Lisesi	173641536	01/09/2019	R125109	https://dmponline.manchester.ac.uk/plans/37811	RDMP	Yes
95210747	Research Capability Funding Attached to NIHR Senior Investigator Award. (APPLICATION)	Manchester University NHS Foundation Trust		95327938	01/04/2019	R123707		RDMP1457	Yes
94636279	BHF Accelerator Award. (APPLICATION)	British Heart Foundation (BHF)		94723790	01/04/2019	R123704		RDMP10181	Yes
93581529	Guided Activation as a Model for Transcription Factor Networks Determining Cell Fate. (APPLICATION)	Biotechnology & Biological Sciences Research Council		157240454	01/03/2020	R124555		RDMP6669	Yes

- Review of working application

- Dashboard development

- Phase 2 - March '25 onwards

- What we're not doing (yet)

Measuring as a complement to managing is a fine idea: measure what you can; take seriously what you can't; and manage both thoughtfully. In other words: If you can't measure it, you'll have to manage it. If you can measure it, you'll especially have to manage it. (Mintzberg, 2015)

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DMP Compliance data - who are the audiences?

- Administrators
- Faculty & School Teams
- Researchers
- Data Stewards
- Senior Leadership

Thank You & Questions

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