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DMP*online*
The  Data Management Planning Tool

Data Management Planning: developments in the UK and beyond

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Funded by:

JISC

Research Data Management Forum VI, Leicester, 5-6 May 2011



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Running order

- I: The DCC's data management planning resources
 - Checklist for a Data Management Plan
 - DMP Online
- II: UK collaborations and developments
 - Guidance, templates, JISC, RCUK shared principles
- III: International developments
 - US DMP Tool, ANDS
- IV: Contact details etc




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I: DCC resources

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Data Management Plans

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Useful links

 [BBSRC Data Sharing Policy](#)

 [Cancer Research UK data sharing guidelines](#)

Funding bodies increasingly require grant-holders to develop and maintain Data Management Plans (DMPs) to keep track of the stewardship of their often irreplaceable digital resources.

Having analysed UK research funders' requirements for Data Management and Sharing Plans, (see details under [Policy and Legal](#)) the DCC has created the [Checklist for a Data Management Plan](#), a comprehensive list of the details that researchers may be asked to include in such plans.

A flexible web-based tool has also been developed, based on the latest version of the Checklist. [DMP Online](#) assists users in the planning process by enabling them to create personalised plans according to their context or research funder. The tool also aids researchers by providing examples of guidance and best practice via 'crowdsourced' links to DCC resources and external advice. This advice can be tailored by funder, institution or academic discipline: [contact us](#) if you'd like to know more.

We also have a promotional [DMP leaflet](#), hard copies of which are available on request.

Funders' data plan requirements

A brief abstract of the UK funders' data-related requirements is given below, while a detailed overview of each funder's DMP requirements is available as a document to download:

[Summary of UK research funders' expectations for the content of data management and sharing plans \(PDF\)](#)

Closing the Digital Curation Gap



Data curation is often carried out by information practitioners with little training or experience. The Closing the Digital Curation Gap (CDCG) collaboration unites those at the cutting edge of digital curation research, development, teaching and training with the aim of creating good practice guides covering all aspects of data curation.

[Read more](#)

Research Data Management Forum VI, Leicester, 5-6 May 2011



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I: DCC resources

Changes to the DCC Checklist between v2.2 and v3.0

1. More questions
2. Atomic questions
3. Closed questions
4. More active/direct language
5. Broadened thematic coverage

We are always interested in feedback on this – it's a work in permanent beta...



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DMP Online v1.0

The screenshot shows a web browser window titled "DMP Online" with the URL <http://dmponline.hatii.arts.gla.ac.uk/dmps/47>. The page features the DMPonline logo and navigation links such as "About DMP Online", "Instructions for use", "News", "Documents", "Privacy statement / Terms of Use", and "Help". The user is logged in as "martin" and has access to "My home", "Admin", "Logout", and "Front page".

Test BBSRC project
[edit details]

Export!

Budget:
£100.00
Running from:
Mar 31 2010 to Mar 31 2011
Partners
None

Funding requirements for Biotechnology and Biological Sciences Research Council:

Section	Total	Completed	Status
1 Data areas and data types	1	0	not started Go >>>>
2 Standards and metadata	2	0	not started Go >>>>
3 Relationship to other data available in public repositories	1	0	not started Go >>>>
4 Secondary use	1	0	not started Go >>>>
5 Methods for data sharing	2	0	not started Go >>>>
6 Proprietary data	1	0	not started Go >>>>
7 Timeframes	1	0	not started Go >>>>
8 Format of the final dataset	1	0	not started Go >>>>

[Back to your homepage](#)



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Changes from v1.0 to v2.0

- Now based on revised DCC Checklist (v3.0)
- More and better guidance (can be funder-specific)
- New functions: versioning of funder requirements, snapshots of DMPs, CSV export option
- Improved admin functionality and reports
- Better onscreen instructions
- Clearer user interface



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DMP Online v2.0

DMP*online*
The  DCC Data Management Planning Tool

Logged in as martin | [Admin](#) | [Logout](#)
[Privacy Statement/Terms of Use](#) | [Help](#)

[Front page](#) [About](#) [Instructions](#) [News](#) [Documents](#) [My home](#)

BBSRC WORDINGS	EQUIVALENT DCC CLAUSES	YOUR INPUT
1 Data areas and data types		
1 Volume, type and content of data that will be generated	4.1 What does the term 'data' comprise for the research?	Scientific data, measured in lab.
	hide	
	4.2 What data types will you be creating or capturing?	Experimental, raw and processed.

You should give a description here, covering volume, type, content to be created, and so on.



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DMP v3.0 (coming soon...)

Definite

- Hybrid templates: funder(s) + institution(s) + discipline(s) + ...
- Granular permissions, inc. sharing of plans
- More and better admin-side reports
- Improved export options (XML, RDF? More?)
- Integration with research admin systems
- Cloud deployment

Possible

- Integration with RCUK Je-S form / closer liaison with funders
- Licensing / Creative Commons integration
- Navigable registry of Data Management Plans



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II: UK collaborations and developments

DMP Online: Questions and Guidance

- Ongoing collaboration with UK Data Archive – guidance, training, conference paper
- Liaison with Psychologists at York via the DMT Psych project to produce tailored guidance for postgraduate students (JISC MRD)

DMP Online: Mappings and Templates

- Development/discussion of institutional templates (Northampton, UEA)
- Strengthening our liaison with funders (ESRC, NERC, RCUK, more)



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II: UK collaborations and developments

RCUK Common Principles on Data Policy

Key messages:

1. Data are a **public good**
2. Adherence to community **standards and best practice**
3. **Metadata** for discoverability and access
4. Recognise constraints on **what data** to release
5. Permit **embargo periods** delaying data release
6. Acknowledgement of / compliance with **T&Cs**
7. Data management and sharing activities should be explicitly **funded**

<http://www.rcuk.ac.uk/research/Pages/DataPolicy.aspx>



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II: UK collaborations and developments

New JISC Call (integrating with other types of system) being developed; due late May/early June. Three strands:

- A. Institutional RDM Infrastructure
- B. Design and implementation of RDM Plans for Research Groups, Centres, Departments
- C. Integrated Research Data Management Planning Tools for Institutions

Strand C will involve linking DMP Online with institutional administrative systems to meet individual institutional needs, specifically grant costing, finance and research management systems.

Tools will interoperate with the rules-based DMP Online tool being developed as part of the JISC/UMF investment for RDM, and build on findings and recommendations made by the current RDM projects.



Stages

Stage 1: Commencement

Stage 2: Collaboration

Stage 3: Clarification & Consensus

Stage 4: Conclusion

Stage 5: Commitment

Invite Participant

Discuss ORG03: Policy Review

Graph

Date for the next review

1 September 2011 Go

Highlight assignments

Organisation	Statement	Johnsmith (DO)	My Rating	Overall Rating	
ORG09	ORG01: Ownership and Management	3	3	3	View Discussion
	View & Set Up Tasks				
	ORG02: Policies and procedures	2	4	3	View Discussion
	View & Set Up Tasks				
	ORG03: Policy Review	2	4	3	View Discussion
	View & Set Up Tasks				
	ORG04: Sharing of Research Data / Access to Research Data	-	2	2	View Discussion
	View & Set Up Tasks				

Your Rating

N/A ?

Rating made on 2

Slide courtesy A. McHugh, HATII at University of Glasgow

Digital Preservation Management:
Implementing Short-term Strategies for Long-term Problems

3 leg stool model developed by University of Cornell



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III: International developments

US DMP Tool for NSF requirements

- Multi-partner collaboration: University of California Curation Center at the California Digital Library, UC Los Angeles Library, UC San Diego Libraries, the University of Virginia Library, the University of Illinois at Urbana-Champaign, the National Science Foundation's DataONE project, and the Smithsonian Institution, with support from DCC.
- First version expected to launch Summer 2011.

Other US institutions with data management websites

- University of Minnesota Libraries have also signalled an intention to develop something along these lines, and the Distributed Data Curation Center at Purdue Libraries has developed a Data Management Plan Tool which takes the form of a Self-Assessment Questionnaire.
- MIT, Michigan and New Mexico are just some of the US HEIs that have developed dedicated data management planning websites.



Create a New NSF-GEN Plan

Section 5: Plans for archiving data, samples, and other research products, and for Preservation of access to them

Progress

Sections marked with a check are complete. You can navigate to a section and edit at any time.

- [Introductory text](#)
- [Types of data produced](#)
- [Data and metadata formats](#)
- [Policies for access and sharing](#)
- [Policies for re-use, re-distribution](#)

Plans for Archiving and Preservation

[Closing text](#)

This portion of the Data Management Plan asks you to provide a long-term strategy for archiving and preserving the data from the research described in the proposal. You should address the following questions in your response:

1. What is the long-term strategy for maintaining, curating and archiving the data?
2. Which archive/repository/database have you identified as a place to deposit data?
3. What procedures does your intended long-term data storage facility have in place for preservation and backup?
4. How long will/should data be kept beyond the life of the project?
5. What data will be preserved for the long-term?
6. What transformations will be necessary to prepare data for preservation / data sharing?
7. What metadata/ documentation will be submitted alongside the data or created on deposit/ transformation in order to make the data reusable?
8. What related information will be deposited?

* Additional help for University of Virginia researchers:

The University of Virginia is developing an institutional repository (Libra), which will serve as an ideal long-term storage facility for digital research data. This section provides suggested answer text that addresses questions 1-4 above for researchers who will be using Libra to store their data.

If you will be using a different repository, or if you will be storing your data for longer than five years, you can modify or delete the suggested answer text below.

Don't forget to answer questions 5-8 in your text.

Suggested answer text provided; edit or remove as needed.

B *I* U

As advised by University of Virginia Library staff members, I plan on depositing my research data in the UVA institutional repository – Libra. I will submit the necessary metadata and other resources to make my data accessible for future users. In accordance with the University of Virginia policy RES-002, "Policy: Laboratory Notebook and Recordkeeping," the data will be preserved for a minimum of five years upon completion of the project. However the current preservation plan for Libra will be to preserve the data indefinitely. The Libra backup plan provides for data redundancy including off-site storage.

Text will automatically be saved when you click Next.

[Restore suggested text](#)

[Preview](#)

[Next](#)

Resources

THIS SECTION

- * [Archiving & Sharing Data Guidance](#)
- * [How to get a Libra account](#)
- * [SciDaC Web Page](#)

THIS FUNDER

- [NSF Data Management Plan FAQ](#)
- [NSF Data Management Plan Requirements](#)
- [Sample Plan: NSF - General Data Management](#)

Slide courtesy T. Seneca, California Digital Library



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III: International developments

Australia (ANDS/Monash)

Institution wide research data management frameworks at 10 research institutions and all ANDS partner institutions. Planning is a constituent part of these frameworks.

Five levels of capability/maturity:

- Level 1 - The Initial Level
- Level 2 - The Development Level
- Level 3 - The Defined Level
- Level 4 - The Managed Level
- Level 5 - The Optimizing Level

An incremental approach to creating an institutional data management framework - <http://ands.org.au/guides/dmframework/data-management-framework.html>

Data Management Framework: Capability Guide -

<http://ands.org.au/guides/dmframework/dmf-capability-maturity-guide.html>

Each level addresses:

- Policies and procedures
- IT infrastructure
- Support services
- Metadata management



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IV: Contact details etc

We will shortly be making our lists of planned changes for DMP Online v2.0 and planned developments for v3.0 more open...

logged in as mdonnell | [Logout](#) | [Preferences](#) | [Help/Guide](#)

[Wiki](#) | [Timeline](#) | [Roadmap](#) | [Browse Source](#) | **[View Tickets](#)** | [New Ticket](#)

[Available Reports](#) | [Custom Query](#)

Available Reports

Report	Title	Actions	
{1}	Active Tickets	Edit	Delete
{2}	Active Tickets by Version	Edit	Delete
{3}	Active Tickets by Milestone	Edit	Delete
{4}	Accepted, Active Tickets by Owner	Edit	Delete
{5}	Accepted, Active Tickets by Owner (Full Description)	Edit	Delete

...and we want to continue to get your input!



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IV: Contact details etc

All of our DMP resources are available via:

www.dcc.ac.uk/dmponline/

THANK YOU

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