

Data Management Planning

Monica Duke Digital Curation Centre M.Duke@ukoln.ac.uk

Funded by:





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Funders have DMP requirements

	Policy Coverage		Policy Stipulations					Support Provided			
Research Funders	Published outputs	Data	Time limits	Data plan	Access/ sharing	Long-term curation	Monitoring	Guidance	Repository	Data centre	Costs
AHRC		•				•	0	•	0	0	0
BBSRC		•	•	•	•			•	•	0	
CRUK	•	•	•	•	•	•	•	•	•	0	0
EPSRC		•		0		•	•	•	0	0	
ESRC	•	•		•		•	•	•	•	•	•
MRC	•	•	•	•		•	0	0	•	0	0
NERC		•	•			•	•	•	•	•	0
STFC		•					•	•	•	0	0
Wellcome Trust	•	•	•			•	•	•	•	•	

www.dcc.ac.uk/resources/policy-and-legal/overview-funders-data-policies



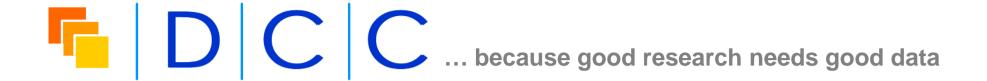
Why are data plans important?

As a funder, we have tried to encourage this by ensuring all researchers think about data at the application stage, and have a plan for sharing any data that will be generated.

We particularly welcome the DCC's work to develop data management planning tool - which we think could be a great aid to researchers and institutions in planning and resourcing data management and sharing as an integral part of the research process.

David Lynn, Head of Strategic Planning and Policy at the Wellcome Trust

http://www.dcc.ac.uk/news/idcc11-preview-interview-david-lynn

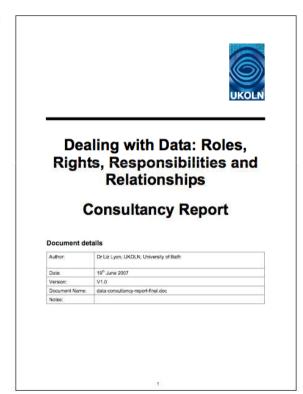


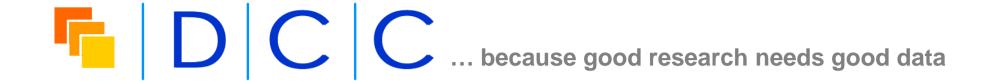
Background and context

Liz Lyon (DCC Bath) 'Dealing With Data' (2007) consultancy report...

REC 9. Each funded research project should submit a structured Data Management Plan for peer-review as an integral part of the application for funding. (1, 2)

http://www.ukoln.ac.uk/ukoln/staff/e.j.lyon/publications.html#2007-06-19





Requirements: 5 common themes

- 1. **Describe the data** (i.e. content, type, format & volume)
- 2. Standards & methodologies for data collection & management (including metadata & documentation)
- 3. Plans for data sharing and access (i.e. how, when, to whom)
- 4. Outline ethical & Intellectual Property (IP) concerns (highlight any restrictions on data sharing e.g. embargoes, confidentiality)
- 5. Plans for archiving & long-term preservation

Funders all ask for different things

http://www.dcc.ac.uk/resources/data-management-plans/funders-requirements



A Digital Curation Centre 'working level' guide



How to Develop a Data Management and **Sharing Plan**

Sarah Jones (DCC)

Practical Help

- Show awareness
- Comply with requirements
- Use existing support
- Justify decisions
- Plan for implementation
- Think in terms of the themes

www.dcc.ac.uk/resources/how-guides/develop-data-plan



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ICPSR Framework

ICPSR | INTER-UNIVERSITY CONSORTIUM FOR POLITICAL AND SOCIAL RESEARCH

Deposit Data & Findings How to Deposit

Data Preparation Guide 🔁

Data Management Plans Preserving Respondent Privacy/Confidentiality Framework for Creating a Data Management Plan

This framework can be used as an outline in assembling data management plans to accompany grant applications. Note that some funders have page limits for data management plans—NSF limits plans to two pages.

Elements of a Data Management Plan

This <u>list of elements</u> is informed by a gap analysis that ICPSR conducted of existing recommendations for data management plans and other forms of guidance made available for researchers generating data. The result of the gap analysis was a <u>comparison of existing forms of guidance</u>. Elements that are highly recommended for inclusion in effective data management plans are noted.

See our bibliography for additional readings germane to the elements of a data management plan.

Data Description (Recommended)

Provide a brief description of the information to be gathered the nature, scope, and scale of the data that will be generated or collected

Why this is importa

A good description of the data to be collected will help reviewers understand the characteristics of the data, their relationship to existing data, and any disclosure risks that may apply.

Example 1

This project will produce public-use nationally representative survey data for the United States covering Americans' social backgrounds, enduring political predispositions, social and political values, perceptions and evaluations of groups and candidates, opinions on questions of public policy, and participation in political life.

Example 2:

Example, 2: This project will generate data designed to study the prevalence and correlates of DSM III-R psychiatric disorders and patterns and correlates of service utilization for these disorders in a nationally representative sample of over 8000 respondents. The sensitive nature of these data will require that the data be released through a restricted use contract.

† Hide example(s)

Access and Sharing (Recommended)

Indicate how you intend to archive and share your data and why you have chosen that particular option. Possible mechanisms for archiving and sharing include:

- Domain repository like ICPSR (social science)
- Self-dissemination through a dedicated Web site that the research team will create and maintain. If this option is chosen, it is recommended that the data producer arrange for eventual archiving of the data after the self-dissemination period terminates and specify the schedule for data sharing in the grant application.
- Preservation with delayed dissemination. Under such an agreement the data producer makes an arrangement with a public data repository for archival
 preservation of the data with dissemination to occur at a later date, usually within a year.

Why is this important

Examples

Digital video data files generated will be processed and submitted to the [repository] in MPEG-4 (.mp4) format.

Staff time has been allocated in the proposed budget to cover the costs of preparing data and documentation for archiving. The [repository] has estimated their additional cost to archive the data is [insert amount]. This fee appears in the budget for this application as well.

http://www.icpsr.umich.edu/icpsrweb/ICPSR/dmp/index.jsp



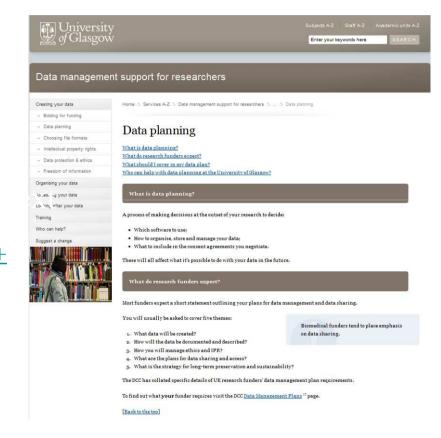
because good research needs good data

Examples

UCSD (NSF grants) <u>b</u>

ICPSR links

https://wiki.ucar.edu/display/cgdccr/CCSM+ Data+Management+Plan

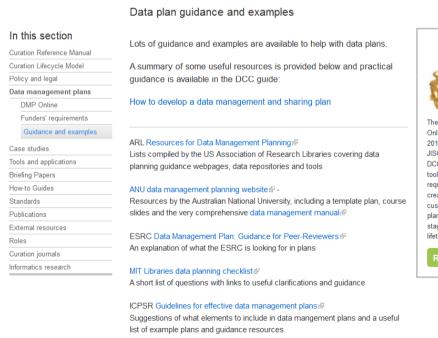


www.glasgow.ac.uk/datamanagement

DCC guidance



Home > Resources for digital curators > Data management plans > Data plan guidance and examples







What is DMP Online?

A web-based tool that enables users to...

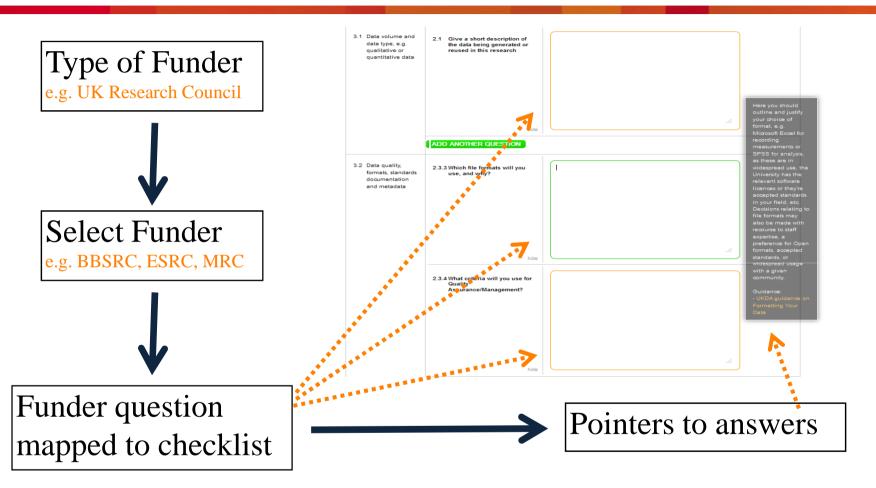
- Create, store and update multiple versions of Data Management Plans at the application and in-project stages
- •Meet funders' specific data-related requirements*
- Get funder- and institution-specific guidance on best practice and helpful contacts
- Customise and export DMPs in a variety of formats
- A mapped checklist underlies the tool

http://dmponline.dcc.ac.uk/

^{*} Disclaimer: mappings are not yet endorsed by funders



because good research needs good data





10 sections of the checklist

- Introduction and requirements
- Data types, Formats, Standards and Capture Methods
- Ethics and Intellectual Property
- Access, Data Sharing and reuse
- Short-term storage and data management

- Deposit and longterm preservation
- Resourcing
- Adherence and review
- Agreement/ratificatio n by stakeholders
- Annexes



Demo....





Further resources for DMPOnline

Main DCC DMP page (start here)

http://www.dcc.ac.uk/dmponline

DMP Online tool (includes instructions, description, future plans)

https://dmponline.dcc.ac.uk/

Supporting documents (e.g. most up to date Checklist, worked examples)

https://dmponline.dcc.ac.uk/documents

Funders' requirements, Screencast demo, DMP overview presentation (DCC Cambridge Roadshow, November 2011)

DMP overview presentation with a different exercise (SeIUCCR Summer School, Abingdon, September 2011)

http://www.ngs.ac.uk/sites/default/files/file/Seiuccr%20Presentations/MD-abingdon-slides.ppt_0.pdf

DMP tutorial from IASSIST 2011, Vancouver

http://www.dcc.ac.uk/events/workshops/iassist-dmp-online-workshop



Exercise: 4 case studies

Exercise 2: How to support researchers with data management planning

Read the short case studies and discuss the merits of each approach:

- Which approach do you favour?
- What may be feasible to implement at your institution?
- Are there other types of support you would consider providing?



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martin.donnelly@ed.ac.uk

info@dcc.ac.uk THANK YOU