DUKE UNIVERSITY

Data Management Guide

http://library.duke.edu/data/guides/data-management/



Duke Libraries > Data and GIS Services > Guides > Data Management

Data Management Guide

DATA & GIS HOME COLLECTIONS GUIDES ABOUT US NEWS & EVENTS

Writing a data plan

Why do I need a data management plan?

- Duke policies related to data management, sharing, and retention
- Funding agency policies related to data management, sharing, and retention
- Details on the NSF data management plan requirements

Sample plans/templates

- Duke-specific guidance on writing a data plan for NSF (PDF document)
- DMPTool data management planning toolkit from the California Digital Library
- ICPSR Sample Data Management Plan

Managing your data

- The data management process thinking it through from beginning to end of your project life-cycle
- Storage and backup please ask your IT provider to contact askdata@duke.edu to discuss how to include appropriate data management practices into planning for data storage and backup.
- Metadata describing your data to facilitate
 later use
- Data archiving and preservation making sure your data is around for a long time

Sharing your data

- Data repositories places to deposit and share your data
- Licensing and intellectual property how may others use your data?
- Data citation getting credit for what you've shared, and giving credit to others for what you've used

Get help at Duke

This web site will help get you started with information on effective management of data you are creating through your research, including developing a data management plan for your grant or project proposal, archiving data at the end of your project, and sharing data with other researchers as appropriate.

If you're a member of the Duke community, Library Data and GIS Services is available to help you with your data management planning. Contact askdata@duke.edu or see our walk-in consulting schedule. We can advise you and connect you with others who may be able to provide the support you need to execute your data management plans.

Other sources of help at Duke related to data management are also available.



Data management guidance elsewhere

Some sources of guidance on data management from other universities:

- University of Wisconsin-Madison Research Data Services
- University of Virginia Scientific Data Consulting Group
- MIT Data Management and Publishing
- ICPSR Guidelines for Effective Data Management Plans
- Online course on data management from the EDINA National Academic Data Centre in the UK

Why manage and share your data?

Funding Agency Requirements

Many funding agencies require data management plans for different reasons. Tailor your plan to the goals and requirements of the funding agency. Funders typically ask how you will:

- Protect confidentiality, consent, and safety of research subjects
- Promote data sharing and transparency
- Supports efforts to verify and replicate research findings

Transparency and Replication of Research Findings

- Replication relies on clear documentation of data and changes used in analyses
- Reuse of data for new applications is common in most disciplines
- Requests for data may follow from publication of results, and advance preparation simplifies the response process

Data Preservation and Annotation

- Documentation of data items and structure at the time of compilation reduces the time needed to understand data organization and contents should the data be needed in future
- Duke requires the retention of research data and pertinent notes for at least 5 years after completion of a project
- Early attention to data documentation and preservation plans reduces the effort required to transition to permanent storage
- Changes in research staff impact the progression of a research project to a lesser extent with clear documentation and planning
- Preservation in a data repository provides an additional backup for your research data

Citations and Recognition

 Data repositories provide another route to the discovery of your research and can increase the visibility of your work, especially when used widely

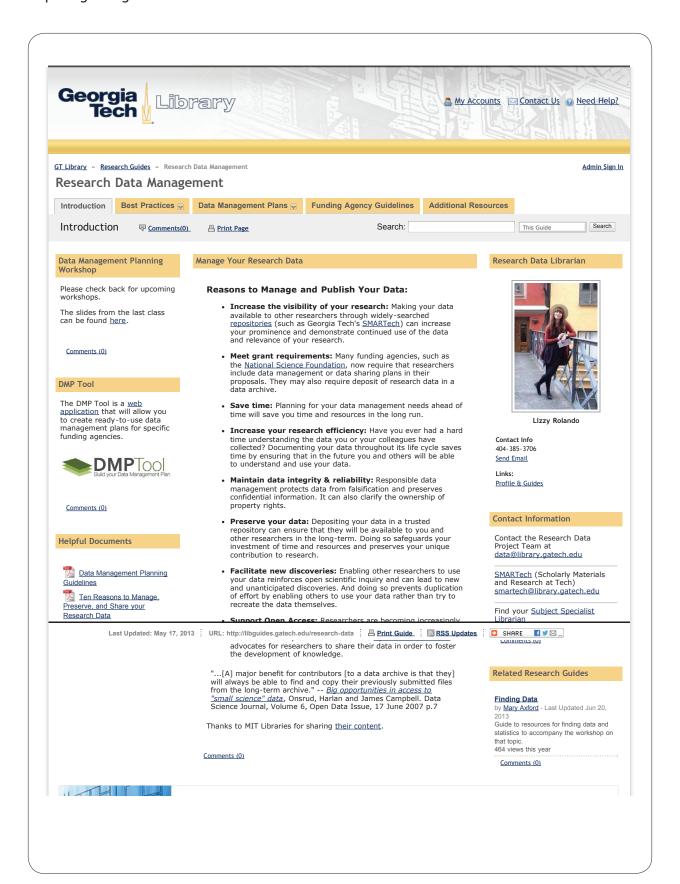


Alumni Portal | Divinity School Library | Ford Library | Goodson Law Library | Library Service Center | Lilly Library | Marine Lab Library | Medical Center Library | Mobile | Music Library | Perkins/Bostock Library | Rubenstein Library | The Link

GEORGIA INSTITUTE OF TECHNOLOGY

Research Data Management

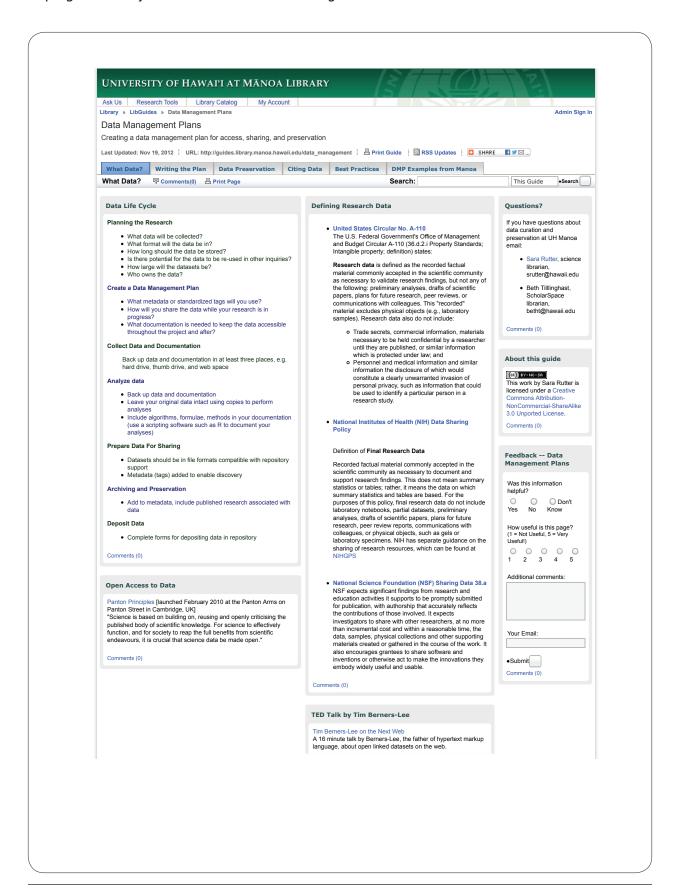
http://libguides.gatech.edu/research-data



UNIVERSITY OF HAWAII AT MANOA

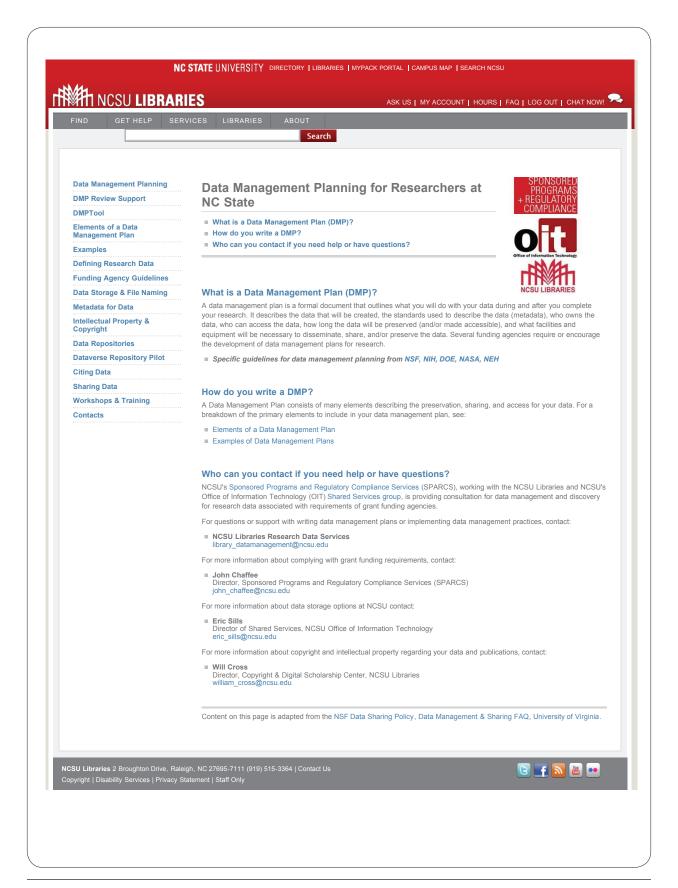
Data Management Plans

http://guides.library.manoa.hawaii.edu/data_management



NORTH CAROLINA STATE UNIVERSITY

Data Management Planning for Researchers at NC State http://www.lib.ncsu.edu/guides/datamanagement



PENNSYLVANIA STATE UNIVERSITY

Research Data Management Toolkit

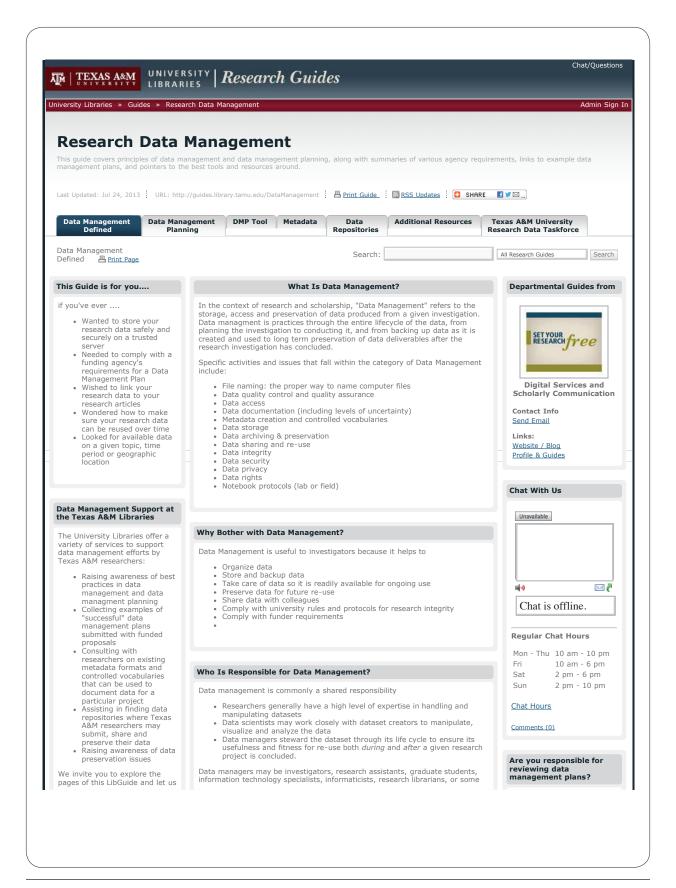
http://www.libraries.psu.edu/psul/researchguides/pubcur/datatoolkit.html



TEXAS A&M UNIVERSITY

Research Data Management

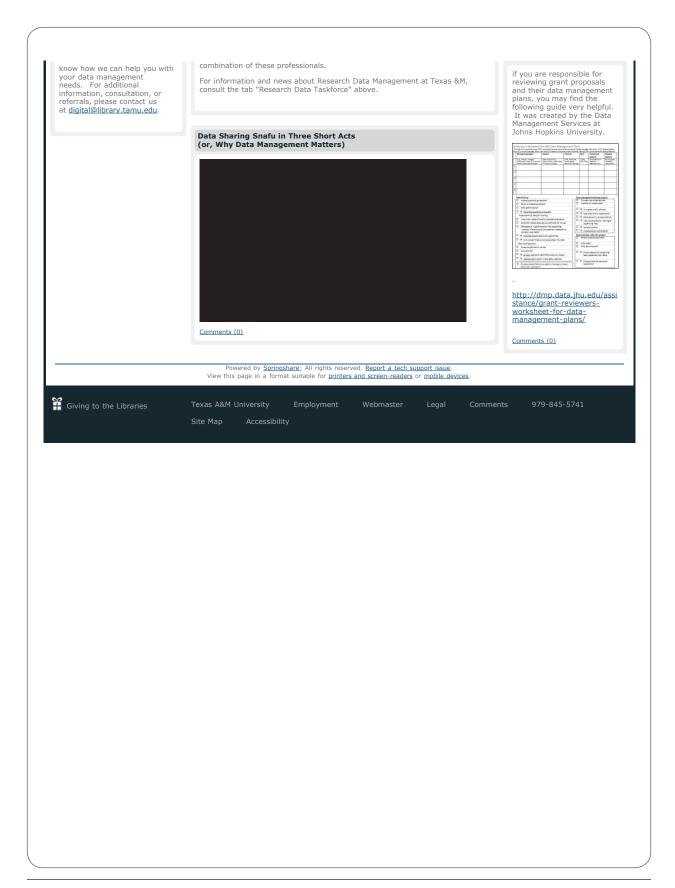
http://guides.library.tamu.edu/DataManagement



TEXAS A&M UNIVERSITY

Research Data Management

http://guides.library.tamu.edu/DataManagement



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Library Data Management Consulting Group. Making Data Management Easier http://dmconsult.library.virginia.edu/

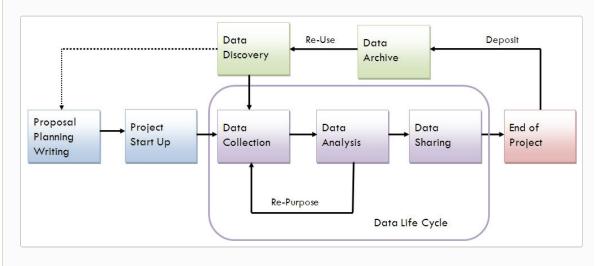


Making Data Management Easier

Libraries have been managing information for 4,000 years. Today, your libraries are evolving and building expertise to continue this tradition so that they can help you preserve research data of the past, present, and future.

The Data Management Consulting Group is ready to consult with you on your entire data life cycle, helping you to make the right decisions, so that your scientific research data will continue to be available when you and others need it in the future. Contact us now to start a conversation about your research.

Research Life Cycle



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Library Data Management Consulting Group. Making Data Management Easier http://dmconsult.library.virginia.edu/

LATEST NEWS

Hands-on Data Management Plan Workshop for Engineering

Hands-on Data Management Plan Workshop for Social Science Research

Funding available to publish in Open Access journals

Why Manage Your Data?

Data Management Plan Support

Data Management Plan Components

Research and Development Initiatives

Data Management Training Sessions

Calendar of Events

