



Carolyn Jackson
Ag & Life Sciences Librarian
csj@tamu.edu



LIBRARIES
TEXAS A&M UNIVERSITY



Maximize funding opportunities

Benefit from a trusted source of editorially curated funding opportunities, totaling billions of dollars, which are automatically matched to scholar profiles via the Pivot Funding Advisor® recommendation engine.



Raise researcher exposure

Increase funding matches, discoverability by potential collaborators, and exposure to researchers and their institutions by maintaining personal profiles based on your institution's organizational structure.



Enhance research paper opportunities

Integration with the Papers Invited® database connects scholars with thousands of conferences with open “calls for papers” where researchers can present and publish their work.



With Pivot researchers and administrators can:

- Discover the widest variety of funding types, including government, foundations, non-profit, corporate, academic and much more.
- Track opportunities and get alerts and updates on deadlines and other significant changes
- Enable Funding Advisor that automatically recommends funding based on a researcher's specific profile
- Locate potential collaborators from within and outside your institution across millions of integrated scholarly profiles



With Pivot researchers and administrators can:

- Integrates seamlessly with ORCID to streamline researchers workflow
- Search thousands of conferences requesting “call for papers” where researchers can present and publish their work by leveraging the built-in Papers Invited database



New UI Highlights (as of Sept.9)

Full-width UI; more modern design

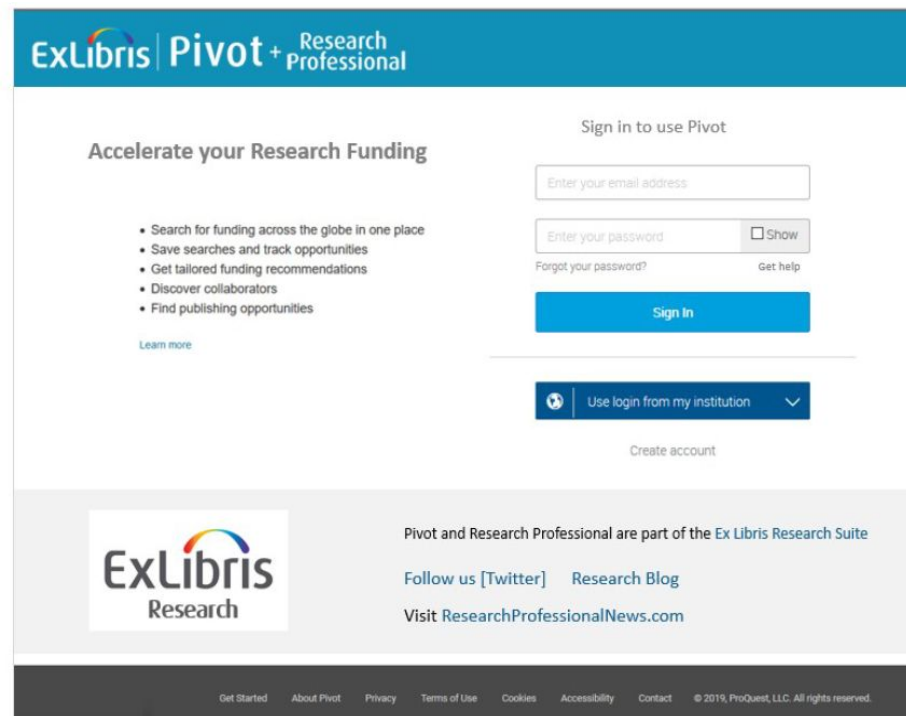
- Fresh login experience

- Dashboard style homepage brings visibility to the most important features and makes them easier to use

- Custom text area to showcasing institution and resources

- More personalized user experience; guides user to profile, preferences and personal folders

- Easier and more intuitive access to key features



Log on at <https://pivot.proquest.com>

OR

> [Library.tamu.edu](https://library.tamu.edu)
> Databases
> Pivot

The screenshot shows the Texas A&M University Libraries website. At the top, there is a navigation bar with links for Hours, Libraries, Information For, MyLibrary, Help, and a highlighted Coronavirus Libraries Updates link. Below this is the Texas A&M University Libraries logo and name. A secondary navigation bar contains Services, Research, Visit & Study, and Collections. The main content area features a search bar with the text "Search for books, articles, videos, journals, etc." and a Search button. Below the search bar are links for Advanced Search, LibCat, MSL Catalog, and Suggest a purchase. A grid of buttons provides access to various resources: Guides, Books, Databases, eJournals, Articles, Newspapers, Audio, Theses & Dissertations, Google Scholar, and Video. On the right side, there is a vertical sidebar with a blue header "Learn what's new for Fall 2020" and a button "View all Fall 2020 Information". Below this is a section titled "How do you library?" with a video player showing a woman wearing a face mask and talking on a phone, with a play button overlay and a YouTube logo in the bottom right corner.

Resources

[Pivot information](#)

Check out Pivot's [YouTube channel](#) for more a series of brief videos on how to get the most out of Pivot.

Questions?

Tutorials available at

<https://knowledge.exlibrisgroup.com/Pivot/Training>

Contact me:

Carolyn Jackson

Medical Sciences Library

csj@tamu.edu

979-458-0315

Or find me on Slack

Data Management Plans

Resources from the University Libraries
John Watts & Carolyn Jackson



Creative Commons Attribution-NonCommercial 4.0 International License.



LIBRARIES
TEXAS A&M UNIVERSITY

Agenda

- Data Management Plan (DMP) Overview
- Common Elements
- Library Services



Why Write a DMP?

Journals – PLOS, Nature...

Funders – NSF, NIH...

Office of Science & Technology Policy mandate, February 2013

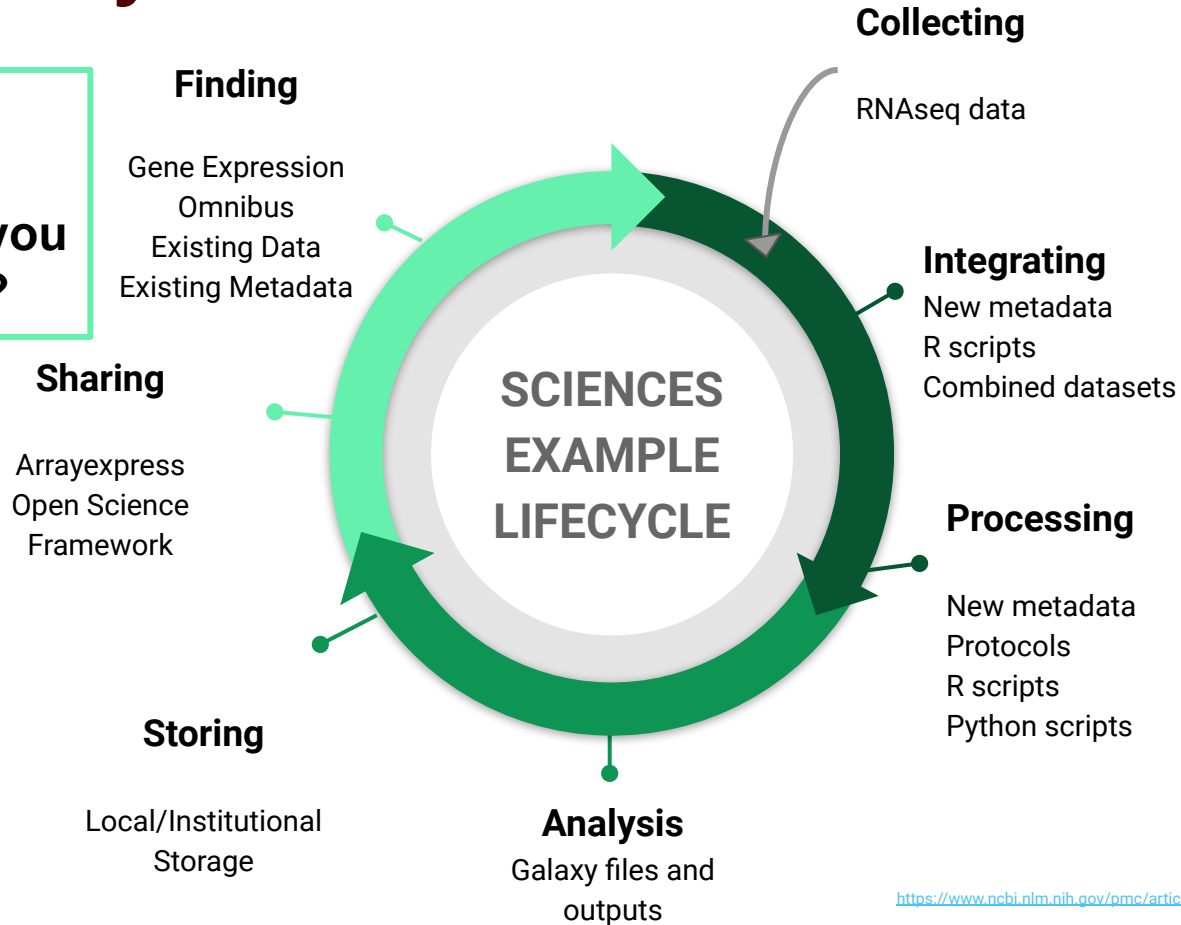


How is it Helpful?

- Data sharing allows for reproducibility, transparency, and data reuse in research (increase your impact)
- Improves research efficiency

Data Life Cycle

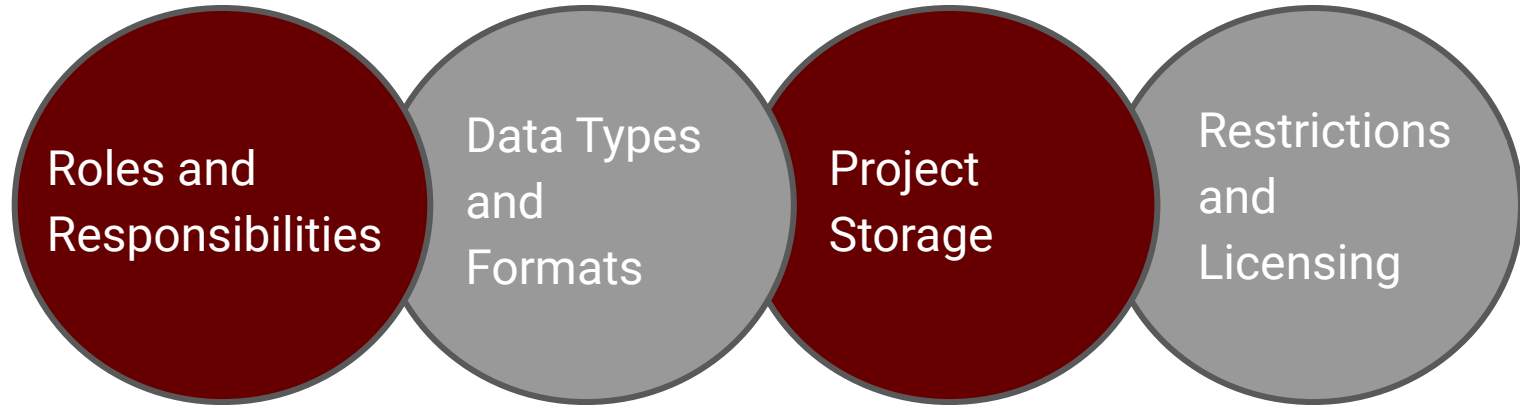
Think about the lifespan of the project. What will you collect and create?



What to Include

- Describe in narrative form the data you will collect or generate and how you intend to manage, archive, and share data.
 - Document what you know
 - Be as specific as possible
 - Avoid repeating information in your proposal

Common Elements



Roles and Responsibilities

- Who will be responsible for data management during/after project?
- Who provides quality assurance and quality control measures?

Types of Data

- Types of data produced
- Relationship to existing data
- How/when/where will the data be captured or created?
- How will the data be processed?

Data Types: Which Statement is Best?



1. “The main goal of this project is to conduct simulations to better understand the thermosphere and ionosphere. Therefore, the data that will be produced from this project are simulations. The model that we utilize produces _____ 100 km to 600 km altitude with roughly 50 _____. In the latitude and longitudinal directions, the spacing is typically 2.5 x 2.5 degrees.”
2. “This research project will generate data resulting from sensor recordings (e.g. _____) during centrifuge experiments. In addition to the raw, uncorrected sensor data, converted and corrected data, as well as several other forms of derived data will be produced. The experiments will be recorded with still cameras and video cameras. Photos and videos will be part of the data collection.”

Formats

- Non-proprietary
- Open, with documented standards
- Commonly used by the research community
- Image: JPEG, PNG, TIFF
- Text: plain text (TXT), HTML, XML, PDF
- Audio: AIFF, WAVE
- Containers: TAR, ZIP
- Databases: prefer XML or CSV to native binary formats

Metadata Standards

- What metadata are needed to make the data meaningful?
- How will you create or capture these metadata?
- Why have you chosen particular standards and approaches for metadata?

Storage, Licensing, Restrictions

- How will you store and share data during the project?
- Are you under any obligation to share data?
- Ethical and privacy issues?
- How, when, where, and how will you make the data available?
- Will you retain rights before opening data to wider use?
- Are permission restrictions necessary?
- Will data have a digital object identifier (DOI)?

Library Services

- **DMP Consultation**

- Find funder requirements
- Metadata standards
- Documentation
- Find data repositories
- Template text

- **DMPTool**

- Guides you through the process of creating a data management plan
- Provides funder templates and links to additional resources.
- Request feedback from the Libraries

Data Management Planning

Data Sharing Requirements

Data Repositories

Data Management Workshops

Research Distancing Support

Schedule a DMP Consultation

[Schedule a Consultation](#)

Request a consultation

About Data Management Plans

Data management plans (DMPs) describe the data management activities for a research group, researcher, or research project. They are structured documents created in advance of collecting data, and describe practices that will be followed over the course of the data lifecycle.

Researchers can also use DMPs as living documents that describe their overall data management practices in detail, and are refined over time.

Create a Data Management Plan

DMPTool

Preparing to Write Your Plan



Build your Data Management Plan

The DMPTool is an online platform guiding DMP development according to the requirements of specific funding agencies. Texas A&M University researchers log in with their NetID and passwords.

DMPTool

Get started with the DMPTool by creating an account. Choose option 1 and search for Texas A&M University.

[Quick Start Guide](#)

Learn how to log in and navigate your dashboard.

Template Text

Template text for using the Texas Data Repository in your grant

The Texas Data Repository is the Texas A&M University institutional data repository, made available to researchers by the University Libraries. It is a flexible online platform for researchers to publish and archive datasets and data products. If appropriate for your needs, include the following text in your DMP to indicate your strategy for data preservation and sharing.

- [Texas Data Repository Template Language \(Google doc\)](#)
Template language for using the Texas Data Repository in your data management plan.
-  [Texas Data Repository Template Language \(.txt\)](#)
Download a text file of the template language for the Texas Data Repository.

Use sample text for the Texas Data Repository

<https://tamu.libguides.com/research-data-management/dmps>

DMPTool Features



dmptool.org



LIBRARIES
TEXAS A&M UNIVERSITY

Create a new plan

Before you get started, we need some information about your research project to set you up with the best DMP template for your needs.

* What research project are you planning?

Demo DMP

mock project for testing, practice, or educational purposes

* Select the primary research organization

Organization

Texas A&M University

- or -

No research organization associated with this plan or my research organization is not listed

* Select the primary funding organization

Funder

U.S. Department of Agriculture (USDA)

- or -

No funder associated with this plan or my funder is not listed

Create plan

Cancel

1. Enter project title
2. Select research organization
3. Select funder
4. (If a funder has multiple templates)
Select template

Demo DMP

Project Details

Contributors

Plan overview

Write Plan

Share

Request feedback

Download

* Project title

Demo DMP

mock project for testing, practice, or educational purposes

Project abstract

Project Start

mm/dd/yyyy



Project End

mm/dd/yyyy



ID

Funder

U.S. Department of Agriculture (USDA):

- Crossref Funder Registry (FundRef): 100000199
- Research Organization Registry (ROR): 01na82s61

Grant number/url

Save

Select Guidance

To help you write your plan, DMPTool can show you guidance from a variety of organizations.

Select up to 6 organizations to see their guidance.

- DMPTool
- Texas A&M University

Find guidance from additional organizations below

[See the full list](#)

Save

Add an abstract, other info about the project & select guidance

[Project Details](#)[Contributors](#)[Plan overview](#)[Write Plan](#)[Share](#)[Request feedback](#)[Download](#)

New contributor

[View all contributors](#)

* Name

* Email

ORCID

Phone number

123-123-1234

Affiliation

Texas A&M University

* Roles

Select each role that applies to the contributor.

Data Manager

Principal Investigator

Project Administrator

[Save](#)[Cancel](#)

Add contributors and select their respective roles

Demo DMP

[Project Details](#)[Contributors](#)[Plan overview](#)[Write Plan](#)[Share](#)[Request feedback](#)[Download](#)[expand all](#) | [collapse all](#)

0/6 answered

— Expected Data Type (0 / 1)

Describe the type of data (e.g. digital, non-digital), how it will be generated, and whether the data are primary or metadata. Research examples include: lab work, field work and surveys; Education examples include: number of students enrolled/participated, degrees granted, curriculum, and training products; Extension examples include: outreach materials, number of stakeholders reached, number of activities, and assessment questionnaires.

B *I*

[Save](#)

Open each accordion to answer the questions

Get instructions and guidance; leave comments for collaborators

[Guidance](#)[Comments](#)[USDA](#)[DMPTool](#)

- [Data Management Plan for NIFA-Funded Research, Education, and Extension Projects](#)
- [NIFA Data Management Plan Frequently Asked Questions](#)

[+ Data Format \(0 / 1\)](#)[+ Data Storage and Preservation \(0 / 1\)](#)[+ Data Sharing and Public Access \(0 / 1\)](#)

Demo DMP

Project Details

Contributors

Plan overview

Write Plan

Share

Request feedback

Download

Request expert feedback

Click below to give data management staff at Texas A&M University, the Plan Owner's org, access to read and comment on your plan.

A data librarian from Texas A&M University will respond to your request within 48 hours. If you have questions pertaining to this action please contact us at jwatts@tamu.edu.

You can continue to edit and download the plan in the interim.

Request feedback

Request feedback from the libraries.

Feedback shared in DMPTool

— Expected Data Type (0 / 1)

Describe the type of data (e.g. digital, non-digital), how it will be generated, and whether the data are primary or metadata. Research examples include: lab work, field work and surveys; Education examples include: number of students enrolled/participated, degrees granted, curriculum, and training products; Extension examples include: outreach materials, number of stakeholders reached, number of activities, and assessment questionnaires.

B *I*    

Guidance

Comments

Add comments to share with collaborators

B *I*    

References and Resources

Glenn, J. (2011). NSF ENG data management plan template for the university of michigan college of engineering.

<http://hdl.handle.net/2027.42/86586>

Michener, W. (2015). Ten simple rules for creating a good data management plan. *PLoS Computational Biology*. 11(10). doi: [10.1371/journal.pcbi.1004525](https://doi.org/10.1371/journal.pcbi.1004525)

TAMU [Research Data Management](#)

Library research guide with information about the Texas Data Repository(TDR) and template language about the TDR to copy and paste into your DMP.

TAMU Division of [Research Data Management Plans](#)

TAMU Data Management Workshop Series - [Deep dive into data management plans](#)

Questions?

John Watts

jwatts@tamu.edu

Carolyn Jackson

csj@library.tamu.edu



LIBRARIES
TEXAS A&M UNIVERSITY

Examples



Roles and Responsibilities



“For the proposed collaborative research, Dr. ___ will take the lead and responsibility for coordinating and assuring data storage and access as the data manager. However, Dr. ___ will serve as the be involved in managing, storing, and disseminating the results of the project, particularly in regards to data acquired through the experimental testing associated with _____ data.”

“All the investigators involved in the proposed project have equal rights to access the data generated through this sponsored project. They also have the same obligations to share data with each other and to publish the results in a timely manner.”

Types and Formats



“This research project will generate data resulting from sensor recordings (e.g. _____) during centrifuge experiments. In addition to the raw, uncorrected sensor data, converted and corrected data, as well as several other forms of derived data will be produced. The experiments will be recorded with still cameras and video cameras. Photos and videos will be part of the data collection.”

“The main goal of this project is to conduct simulations to better understand the thermosphere and ionosphere. Therefore, the data that will be produced from this project are simulations. The model that we utilize produces _____ 100 km to 600 km altitude with roughly 50 _____. In the latitude and longitudinal directions, the spacing is typically 2.5 x 2.5 degrees.”



Storage and Access

“A long-term data sharing and preservation plan will be used to store and make publicly accessible the data beyond the life of the project. The data will be deposited in the ___ repository. This repository is hosted and managed by the ___. ___ repository is an open access platform and provides long-term preservation using an off-site backup. Data is assigned a Digital Object Identifier (DOI) for citations. The repository provides bit-level preservation and ensures ongoing access to research data, including associated metadata and documentation.”

“We plan to archive and make available by request data that are used to produce published results. We will either use email or HTTP to provide access, depending on the contents of the request.”

Restrictions and Licensing



“Researchers and practitioners in diverse fields will be able to readily reuse and redistribute shared data. Terms of use will include the prohibition of commercial commercial use of the work – modifications of the work will be allowed with the proper citations.”

“Re-use or re-distribution of data is allowed with the permission of the PI.”