



Research Data Services
UNIVERSITY OF WISCONSIN-MADISON

We **love** your data too.

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data management plans

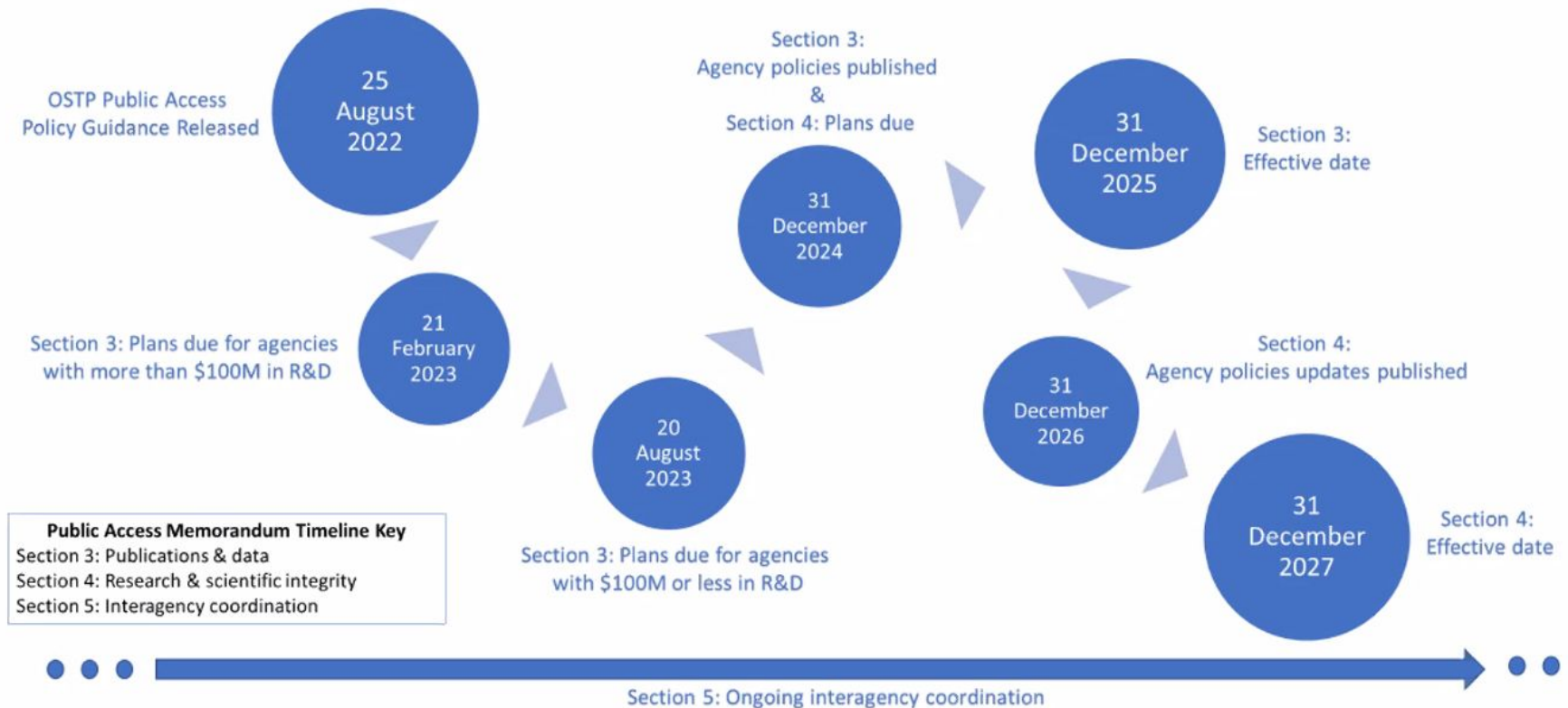
personal consultations

education & training

researchdata.wisc.edu & @UWMadRsSchSvcs

new federal policy + past policy

Timeline for 2022 OSTP Public Access Policy Guidance



Slide from “Community Forum on the 2022 OSTP Public Access Policy Guidance”, November 7, 2022

NIH rationale?

- Foster public trust in research
 - reproducibility & transparency in research
- Maximize research participants' contributions
- Speed research/discovery, especially during crises like COVID

new NIH Data Management and Sharing Policy

Takes effect for applications starting January 25, 2023 and after

- Requires researchers seeking NIH funding to submit a 2-page plan outlining how scientific data from their research will be managed and shared
- Researchers should “maximize the appropriate sharing of scientific data”
- NIH “strongly encourages the use of established repositories to the extent possible for preserving and sharing scientific data”
- Data should be shared as soon as possible, and no later than the time of an associated publication or end of performance period (whichever comes first)
- This plan represents the minimum requirements. NIH ICOs may expect more specificity in their plans - check funding announcements for info

Research Covered Under DMSP

Scientific Data is defined as data commonly accepted in the scientific community as of sufficient quality to validate and replicate research findings, **regardless of whether the data are used to support scholarly publications.**

- Includes any data needed to validate and replicate research findings
- Does not include
 - laboratory notebooks
 - preliminary analyses
 - completed case report forms
 - drafts of scientific papers
 - plans for future research
 - peer reviews
 - communications with colleagues
 - physical objects such as laboratory specimens

Research Covered Under DMSP

DMS Policy applies to:

- Research Projects
- Some Career Development Awards (Ks)
- Small Business SBIR/STTR
- Research Centers

DMS Policy does not apply to:

- Training (T)
- Fellowships (Fs)
- Construction (C06)
- Conference Grants (R13)
- Resource (Gs)
- Research-Related Infrastructure Programs (e.g., S06)

Be sure to check

- complete list of [NIH activity codes subject to the DMSP](#)
- Funding Opportunity Announcement

to determine if the DMS Policy applies to your application.

Elements to include in a DMP/DMSP

1. **Data Types:** Data to be preserved and shared
2. **Related Tools, Software, Code:** Tool and software needed to access manipulate data
3. **Common Data Standards:** Standards to be applied to scientific data/metadata
4. **Data Preservation, Access, Timelines:** Repository to be used, persistent unique identifiers, and when/how long data will be available
5. **Access, Distribution, Reuse Conditions:** Factors for data access, distribution, or reuse
6. **Oversight of Data Management:** How plan compliance will be monitored/managed and by whom

Factors that may affect sharing

- NIH expects that researchers will take steps to maximize scientific data sharing, but may acknowledge in Plans that certain factors (i.e., ethical, legal, or technical) may necessitate limiting sharing to some extent.
- Foreseeable limitations should be described in DMS Plans.
- Examples of justifiable factors that may limit sharing
 - informed consent will not permit or will limit the scope or extent of sharing and future research use
 - privacy or safety of research participants would be compromised or place them at greater risk of re-identification or suffering harm
 - explicit federal, state, local, or Tribal law, regulation, or policy prohibits disclosure
 - restrictions imposed by existing or anticipated agreements
 - datasets cannot practically be digitized with reasonable efforts

Submission & Review of DMS Plans

- Submit DMS Plans and budget requests as part of the funding application or proposal.
- Peer Review will not see or review DMS Plans, but will consider any related budget items.
- NIH program staff will review the DMS Plan for acceptability and may request modifications prior to award as appropriate.
- Provide updates on data management and sharing activities in annual progress reports.
- If plans change over the course of the project, work proactively with NIH Program Officer to obtain review and approval of modifications.

allowable costs for DMSPs

Identified in the proposal budget justification

- Formatting data
- De-identifying data
- Preparing metadata
- Data deposit fees for established repositories
- Any unique and/or specialized information infrastructure necessary to preserve and share data

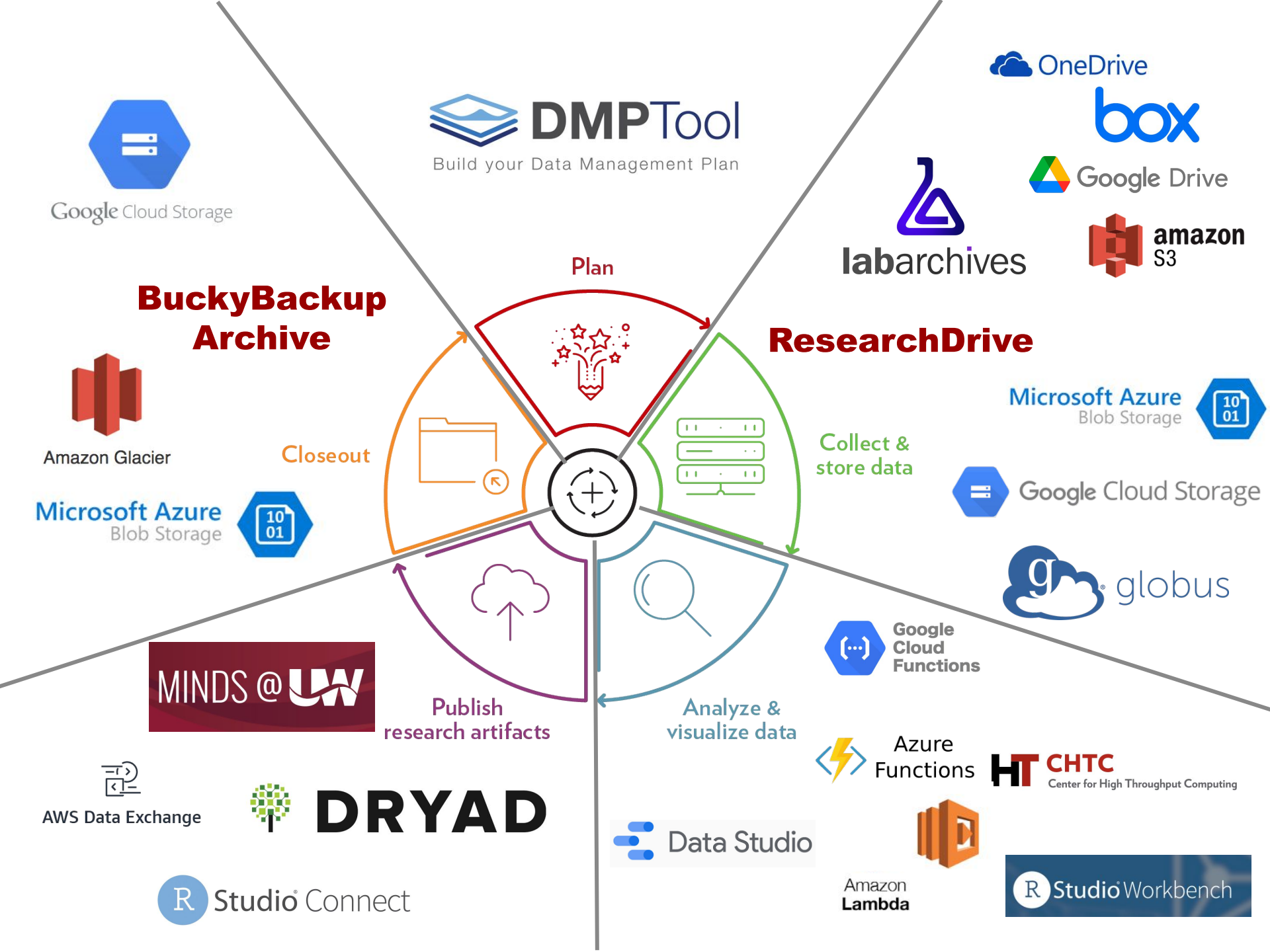
Collecting or gaining access to research data



generalist repository ecosystem initiative (GREI)

- Office of Data Science Strategy aims for GREI
 - “...further enhance the biomedical data ecosystem and help researchers find and share data from NIH-funded studies in generalist repositories.”
 - The 6 repositories will work together to “establish consistent metadata, develop use cases for data sharing, train and educate researchers on FAIR data and the importance of data sharing,”
 - Increase discoverability of data, improve reproducibility and reuse of data
- NIH is working with 6 data repositories
 - Dryad (UW-Madison is a member!)
 - Dataverse
 - Figshare
 - Mendeley Data
 - Open Science Framework (OSF)
 - Vivli







University of Wisconsin–Madison (wisc.edu)

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 Research Data Services

2022 NSF

[Project Details](#)

[Collaborators](#)

[Write Plan](#)

[Research outputs](#)

[Request feedback](#)

[Download](#)

[Finalize / Publish](#)

Project title *

2022 NSF Mock Project

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?

☒ mock project for testing, practice, or educational purposes

* Select the primary research organization

Research organization

* Select the primary funding organization

Funder

Which DMP template would you like to use?

We found multiple DMP templates corresponding to your funder.

[Create plan](#)[Cancel](#)

Test NIH DMSP 2022-11

[Project Details](#)[Collaborators](#)[Write Plan](#)[Research outputs](#)[Request feedback](#)[Download](#)[Finalize / Publish](#)

Project title *

Dryad



DRYAD



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UNIVERSITY OF WISCONSIN-MADISON

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for your research data

Dryad is a community-owned resource

[Learn more about our organizational memberships](#)

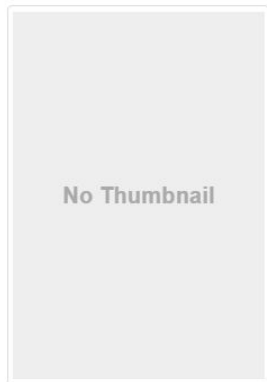
Submit Now

<https://datadryad.org/>



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Simulated GOES ABI brightness temperatures from the 2019 OU-CAPS Hazardous Weather Testbed FV3-LAM simulations



To access the dataset, follow the permanent link below or copy and past the following into your browser: https://app.globus.org/file-manager?origin_id=86401693-5974-4013-b498-eb4484e08eb4&origin_path=%2FSSEC%2FCIMSS%2F

Subject
 Brightness temperature
 Remote sensing

Related Material/Data
https://app.globus.org/file-manager?origin_id=86401693-5974-4013-b498-eb4484e08eb4&origin_path=%2FSSEC%2FCIMSS%2F

DOI
<https://doi.org/10.21231/6s0z-zt47>

Citation
 Griffin, Sarah, Jason Otkin, and Timothy Supinie. "Simulated GOES ABI Brightness Temperatures from the 2019 OU-CAPS Hazardous Weather Testbed FV3-LAM Simulations." Cooperative Institute for Meteorological Satellite Studies, University of Wisconsin-Madison, 2021.

File(s)
 Dataset README (1.816Kb)

Date
 2024

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NAME

- Simulated-GOES-ABI-brightness-temperatures
- Simulated-NCEP-GFS-hyperspectral-infrared-sounder

minds.wiscnsin.edu



Find Data

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- [List studies with learning guides](#)

New/Updated Data Releases:

- [In the last week](#)

Statistics



16,575 studies

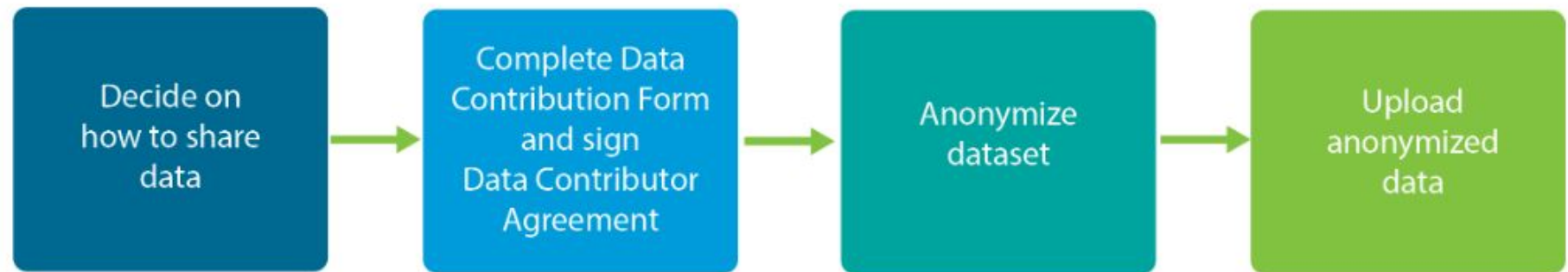


5,888,749 variables

Most Popular Search Terms



Steps to sharing your clinical research data on Vivli



- Managed access repository
 - Users request access to the data for a specific research proposal
- Data collected
 - anonymized individual participant-level data (IPD)
 - raw data collected during a clinical trial
- Vivli Data Use Agreement, user agrees to:
 - maintain data security
 - refrain from any attempts to reidentify research participants
 - submit a valid scientific question, including a statistical analysis plan
- Vivli agrees to store data for 10 years



Researcher Toolkit

Your Guide to Researcher Resources at UW-Madison

Lifecycle ▾

Resource List

Acronyms

Feedback

About

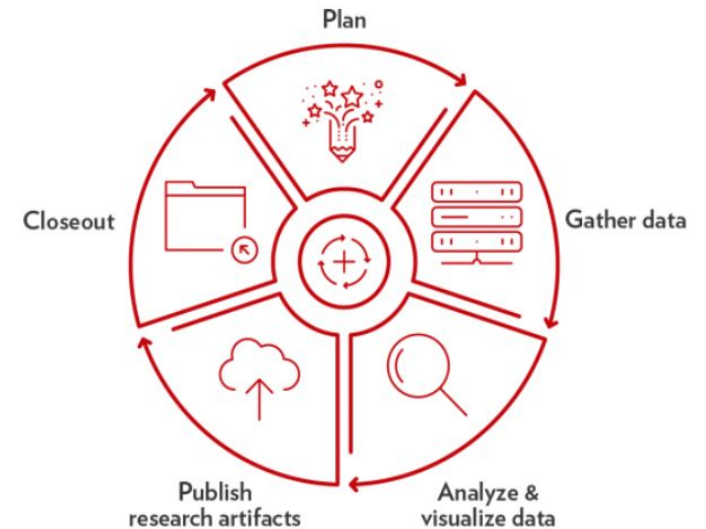
What is the research lifecycle?

The research lifecycle

The research lifecycle includes planning, collecting & storing data, analyzing & visualizing data, publishing research artifacts, and closing out the findings.

Plus outreach, compliance, reporting, and security happening throughout the process.

About Research Lifecycle Components



QUESTIONS?



NIH DMSP Drop-ins

Last Fall NIH DMSP

- Health Sciences Learning Center 2158, November 30, 2022, Noon-1PM

Join us for a new round of drop in sessions for Spring 2023!

Health Sciences Learning Center 3330

- Every Wednesday, January 18 - March 15, 2023 (Noon-1PM)

Steenbock Library – BioCommons (Dates TBD)

CAMERON COOK

cameron.cook@wisc.edu

TRISHA ADAMUS

adamus@wisc.edu

researchdata.wisc.edu

THANK YOU.

UW-Madison resources.

[Research Data Services](#) - data management help, writing DMPs, data sharing/archiving

[Data Science Hub](#) - Coding Meetup, training, office hours

- Data & Software Carpentry - [sign up for the Data Science Hub newsletter](#)

[CALS Statistical Consulting](#) - study design, data analyses, software use

[Social Science Computing Cooperative](#) - software training, SILO

[UW-Madison Libraries](#) - finding data, copyright, publishing questions, etc.

[IRB](#), [IRB Guidance](#)

[MINDS@UW](#) - data sharing via UW institutional repository

[Dryad](#) - data repository available via UW-Madison membership

[Researcher Toolkit](#)

[Data Storage Finder](#)