THE WEBINAR WILL BEGIN SHORTLY

WRITING YOUR DATA MANAGEMENT PLAN

A WEBINAR FROM HANOVER RESEARCH

FEBRUARY 29, 2024

WEBINAR LOGISTICS

PRESENTATION LENGTH

25-minute presentation followed by Q&A

Q&A

Please ask questions using the Q&A function in the Zoom toolbar. Presenters will respond in real time, where possible, and we will respond to as many of the remaining questions as time allows during the Q&A.

RECORDING & SLIDES

All registrants will receive a copy of the recording, including the slides.

PRESENTERS

CLINTON DOGGETT

SENIOR GRANTS ADVISOR

MFA, Creative Nonfiction
GOUCHER COLLEGE

B.A., English Writing and Communication
UNIVERSITY OF PITTSBURGH

SPECIALIZES IN

- ✓ Grantsmanship Training
- ✓ Federal Funding Landscape
- ✓ Prospect Research

ON A PERSONAL NOTE...

- Wannabe Runner
- Music lover
- Zoo resident
- Foreign service brat

STEVEN JAX

SENIOR GRANTS CONSULTANT

PhD, Psychology
PENNSYLVIA STATE UNIVERSITY

BA, Psychology
UNIVERSITY OF MINNESOTA

SPECIALIZES IN

- ✓ NIH
- ✓ NSF
- ✓ Large-Scale Proposals

ON A PERSONAL NOTE...

- 2 Kids
- Love finding new music
- Hiker
- Makes a solid pizza

There is increasing interest in the impact of data sharing.

Plans for how this data is managed and shared will be more frequently required by funders.

Forms this sharing will take will be field and funder dependent, but there are common elements.

AGENDA

Recent and upcoming changes from federal funders

Writing guidance

2023 was the first Federal Year of Open Science

Open Science Announcements from Federal Agencies

Open Science is the principle and practice of making research products and processes available to all, while respecting diverse cultures, maintaining security and privacy, and fostering collaborations, reproducibility, and equity.

Federal agencies are celebrating 2023 as a Year of Open Science, a multi-agency initiative across the federal government to spark change and inspire open science engagement through events and activities that will advance adoption of open, equitable, and secure science.

Help spotlight the value of open science by checking out this toolkit: choose and use images for social media, presentations, posters and virtual backgrounds—agency partners may even co-brand. #YearofOpenScience.

- Centers for Disease Control and Prevention
- Department of Agriculture
- Department of Commerce
- Department of Energy
- Department of State
- Department of Transportation
- Environmental Protection Agency
- National Aeronautics and Space Administration
- National Endowment for the Humanities
- National Institutes of Health
- National Institute of Standards and Technology
- National Oceanic and Atmospheric Administration
- National Science Foundation
- Smithsonian Institution
- U.S. Geological Survey
- U.S. General Services Administration
- White House Office of Science and Technology Policy

Source: open.science.gov

2022 WHITE HOUSE OFFICE OF SCIENCE AND TECHNOLOGY MEMORANDUM

Requires federal agencies to publish plans by December 31, 2024, to address:

- Data underlying peer-reviewed publications must be freely available and publicly accessible at time of publication
    - Funders allowed to establish exceptions or specify repositories
- Data not associated with peer-reviewed publications
- Using digital repositories aligned with NSTC guidelines
- Metadata requirements

Source: Whitehouse.gov

NATIONAL INSTITUTES OF HEALTH

National Institutes of Health

PLAN ELEMENTS

Data type
Type and amount, preserved and shared data, metadata and documentation

Standards
Use of common data standards to enable interoperability

Access, distribution, or reuse considerations
Justify limitations, control of access, protections for human participants

Related tools, software, and/or code
Required tools to access/manipulate data

Data preservation, access, and associated timelines
Archive location, findability, duration of accessibility

Oversight of data management and sharing
Monitoring, oversight frequency

Source: NIH

NATIONAL INSTITUTES OF HEALTH

- Overview
- Institute and Center Data Sharing Policies
- 23 Sample plans
- Repositories for Sharing Scientific Data
- Selecting a Repository
- Forecasting Costs

NATIONAL INSTITUTES OF HEALTH

National Institutes of Health

Sample Plan D	Secondary data analysis
Sample Plan E	Human genomic data
Sample Plan F	Technology development
Sample Plan G	Human clinical and genomics data
Sample Plan H	Gene expression analysis data from non-human model organism (zebrafish)
Sample Plan I	Human survey data
Sample Plan J	Clinical Data from Human Research Participants
Sample Plan K	Basic Research from a Non-Human Source Example
Sample Plan L	Secondary Data Analysis Example
Sample Plan M	Survey and Interview Example

NSF PUBLIC ACCESS PLAN 2.0

IMPLEMENTATION NO LATER THAN JAN. 31, 2025

Publications
Submitted to NSF-PAR (Public Access Repository) without embargo. Future plans for making juried conference proceedings accessible (potentially also book chapters and non-juried conference proceedings).

Costs of data sharing
More costs allowed to avoid inequities across institutions.

Annual and final reporting
More questions about sharing, as well as accommodations to delay release.

DMP → DMSP
Greater emphasis on sharing and associated costs.

NSF-PAR as a point of discovery
Won't replace disciplinary data repositories.

Involving affected communities
Greater involvement in data collection, governance, access, and destruction.

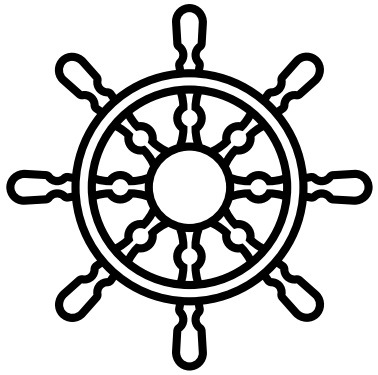
Source: NSF 23-104

WRITING GUIDANCE

KEYS TO WRITING A DATA MANAGEMENT PLAN

1. **Share as much as you can**
2. **Don’t reinvent the wheel**
3. **Keep up to date with this changing landscape**
4. **Plan ahead**

DON'T REINVENT THE WHEEL



- **Start with funder guidance**
  - Consider guidance outside of specific opportunity (e.g., NEH Digital Humanities)
- **Look for guidance from other federal funders or advisory boards**
  - Open.science.gov
  - National Science and Technology Council
  - NIH examples
- **Look for commonly-used standards**
  - FAIR Principles
  - Association policies (e.g., APA)
- **Other tools**
  - DMPTool

FAIR PRINCIPLES (MACHINE ACCESS)

Findable

Unique identifier, rich metadata, indexed to a searchable resource

Accessible

Metadata retrievable by identifier, even after data are no longer available

Interoperable

Broadly applicable language for representation, includes references to other data

Reusable

Metadata is richly described, clear, and meet community standards

Source: go-fair.org

ABOUT HANOVER GRANTS

Hanover provides research development, grant writing, and strategic advising support to a wide range of colleges and universities. Our professionals deliver customized proposal review, revision, and production support, while also helping to align strategic priorities to funding trends and opportunities at all levels.

OUR SOLUTIONS

CAPACITY DEVELOPMENT

- Grants Training
- Benchmarking & Best Practices
- Grantseeking Strategy

FUNDING RESEARCH

- Funding Opportunity Analysis
- Prospect Research
- Funding Calendar

PRE-PROPOSAL ACTIVITIES

- Faculty Consult
- Outreach Strategy
- Concept Paper Development

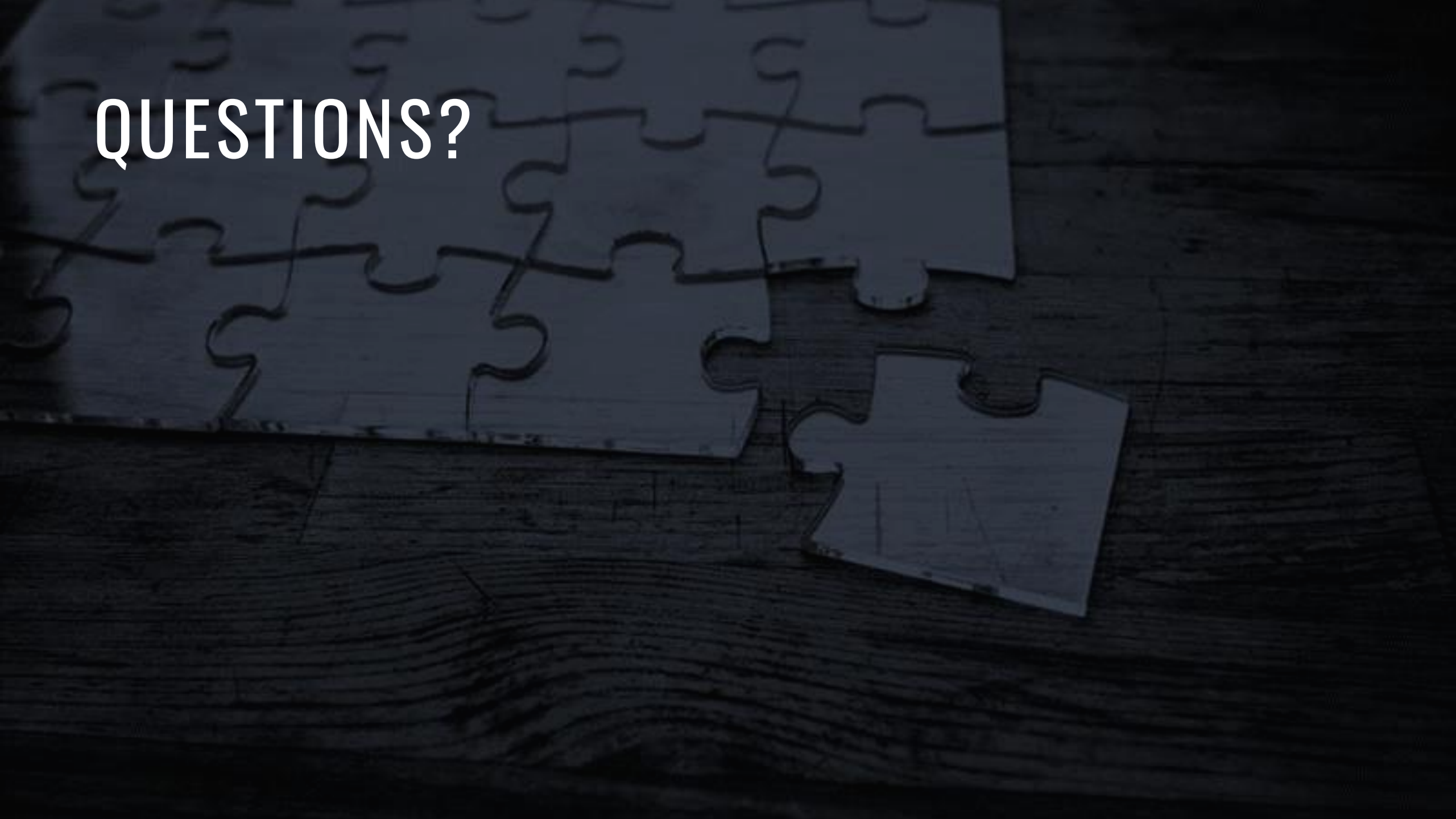
PROPOSAL SUPPORT

- Proposal Review
- Proposal Revision
- Proposal Research
- Proposal Support

PROPOSAL DEVELOPMENT

- LOI/Pre-Proposal Production
- Proposal Production (Foundation)
- Proposal Production (Federal)

Please contact us at info@hanoverresearch.com to learn more.


QUESTIONS?

HANOVER RESEARCH

Clinton Doggett

Senior Grants Advisor

4401 Wilson Blvd, Arlington, VA 22203
www.hanoverresearch.com

E: cdoggett@hanoverresearch.com
P: 571.296.8199