Office of the Vice President for Research

Research Administration Practices (RAP) Sessions

Data Sharing & Publication support

December 18, 2025

Information provided in this learning session is based on information available as of the date of this presentation

Research Administration Practices session

December 18, 2025

Public access policies for articles & data:

MIT resources for researchers

Slides link

MIT Libraries

Who are we?

Katharine Dunn, scholarly communications librarian

- Scholarly communications
  - Supports MIT authors of journal articles & books with publishing contracts, copyright, open sharing of works
  - Offers discounts and funding to pay for making scholarship open access
  - Funds broader initiatives in the US and around the world to make scholarship and scholarly infrastructure more open and equitable

Who are we?

Amy Nurnberger, Program Head Data Management Services

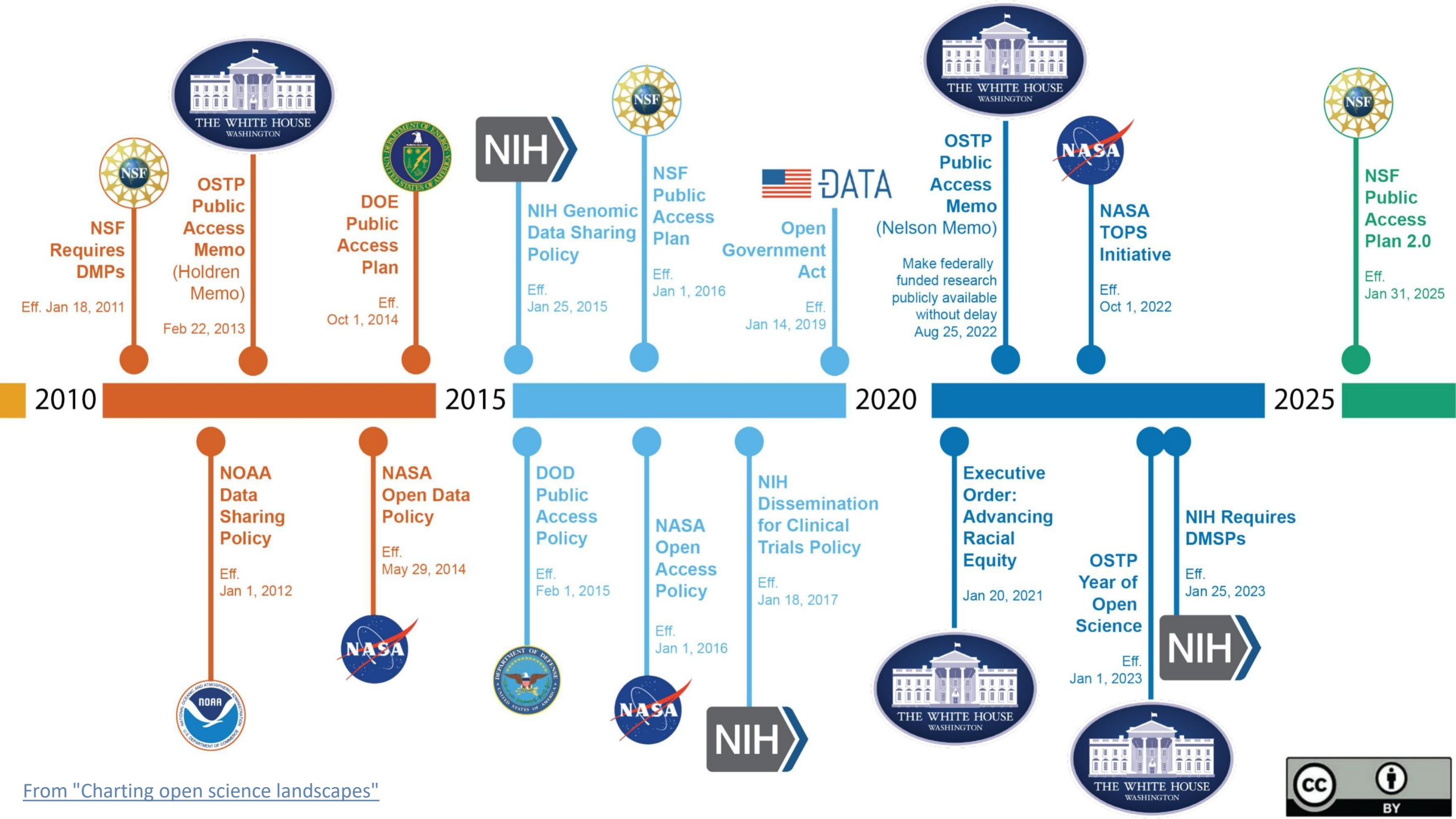
- Data Management Services (DMS): We partner with the MIT research community to manage, store, share, and steward the data and information they produce.
  - Assistance creating data management & sharing plans (DMP/DMSP)
  - Consultations
    - Funder & journal requirements; planning; organization; electronic lab notebooks; storage; sharing; repository selection; etc.
  - Workshops & Teaching and learning resources
  - MIT DOI Service

https://libraries.mit.edu/data-management/

Background on public access policies

- NIH has had a public access policy since 2008
- Others followed suit in 2013 with a directive from the White House Office of Science & Technology Policy (OSTP)

  These policies tie grant funds to data and publication sharing mandates via the government use license
- In 2022, the OSTP issued a memorandum to make taxpayer-funded research immediately available & no longer allowing a 12-month embargo
- June 2025, OSTP issues guidance for "Gold Standard Science," on its face introducing no major changes



From "Charting open science landscapes"

CC BY

Recent & expected changes

Journal articles

NIH updated policy

- The policy applies to journal articles accepted for publication on or after July 1, 2025, & it requires immediate public access to articles.
- Authors must submit peer reviewed manuscripts to PubMed Central upon acceptance for publication.
- NIH grant agreements give the government a license to share article manuscripts.

NIH updated policy, continued

- MIT's OA policy also allows authors to hold onto sufficient rights to share this version, though several publishers require waivers.
- Authors do not have to pay to comply with the policy.
- For paid OA: NIH plans to cap the amount of grant money that can be used for article charges. The agency is currently exploring how best to implement a cap.

Publishers & immediate public access

Elsevier, ACS, RSC, & IOP require waivers of MIT's OA policy and may also require embargoes for posting articles online.

Authors signing agreements with these publishers may be in conflict with their funder requirements.

In the last 5 years:

- 12% of MIT science & eng faculty papers are in Elsevier journals
- 7% are in ACS journals
- 4% are in RSC and IOP journals

- No OA publishing agreement
- Options: take a risk; pay for OA; publish somewhere else; do a workaround based on Elsevier's own policies
- Workaround:
  - Share preprint on arXiv or SSRN
  - Update with manuscript once it's accepted
  - Use CC-BY-NC-ND license
  - Send manuscript to PMC

ACS Chemistry for Life®

AMERICAN CHEMICAL SOCIETY

- No OA publishing agreement
- ACS has introduced a charge for manuscript deposits (waived over the summer)
- Options: take a risk; pay for OA; publish somewhere else

ROYAL SOCIETY OF CHEMISTRY

- We have an OA publishing agreement for corresponding authors
- Options: use OA agreement; take a risk; pay for OA; publish somewhere else

How we can help

- Send us questions: scholarlypub@mit.edu
- We can come to meetings or give a talk to researchers/admins
- Online resources:
  - Funder policy info on the Libraries website
  - Guide for authors on how to comply (SPARC)

Recent and expected changes

Scientific Data

NIH NOT-OD-21-013, effective 2023-01-25

No policies have changed since 2023, but they DID change all the links. Find them here:

- Scientific Data Sharing: Policies and Access to Data
- Data Management and Sharing Policy

DOD

- There were *such* plans, e.g., Free, Immediate, and Equitable Access to Federally Funded Research, Department of Defense Implementation Plan (2024-12)
- However,

Submit an update to DoD implementation plan for free, immediate, and equitable access to Federally funded research to include plans for Section 4 of the August 2022 OSTP Memorandum to OSTP	May 31, 2025
Effective date for DoD policies to achieve the elements in Section 3 of the August 2022 OSTP Memorandum	December 31, 2025

NSF PAPPG 24-1, Supplement 1, effective 2025-12-08

Data: (added) Recipients are required to share all data supporting NSF funded publications at the time of publication. Exceptions to this sharing requirement should be described and justified within the DMSP.

Integrity: (struck) ~~Inclusivity, t~~ Transparency, and protection from inappropriate influence are hallmarks of scientific integrity

Scientific integrity builds on key principles of honesty, objectivity, ethical behavior, transparency, and professionalism in the conduct of scientific activities ~~in an inclusive environment that is conducive to excellence in research and education~~.

Research misconduct (**added**): RESEARCH MISCONDUCT means fabrication, falsification, or plagiarism, **whether committed by an individual directly or through the use or assistance of other persons, entities, or tools, including artificial intelligence (AI)-based tools**, in proposing or performing research funded by NSF, reviewing research proposals submitted to NSF, or in reporting research results funded by NSF.

(also, in the middle of a physical office relocation, so further delays are to be expected)

DOE Requirements and Guidance for Digital Research Data Management, effective 2025-10-01

- Maximized data sharing that balances cost, administrative burden, and scientific value.
- Data should be made open, machine-readable, and digitally accessible at time of publication or by the end of the funding period, including data not tied to published research.
- Document use of data management and sharing resources. If beyond what is conventionally made available to approved users, this should be accompanied by written approval.
- Share data using a repository that meets the NSTC "Desirable Characteristics of Data Repositories for Federally Funded Research"
- Address any limitations of data sharing in DMSP

How DMS can help

CONSULTATION AND RESOURCES FOR

- Data Management & Sharing Plans
- How to share data, code, models in accordance with requirements
- Where to share (repository identification)
- Getting credit for sharing

WORKSHOPS – IAP

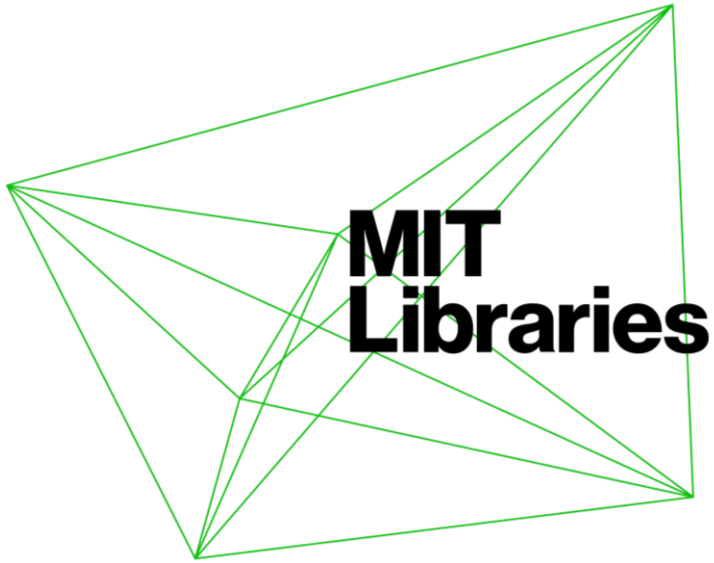
Data bites (30 min):

- Fri 1/16: File organization & Writing READMEs
- Mon 1/26: Depositing data into a generalist repository & Getting credit for data sharing
- Tues 1/20: GIS data management

Full classes (1 hr):

- Fri 1/9: Quick & dirty data management
- Wed 1/21: Hands-on File Org
- Fri 1/23: RDM for Postdocs
- Tue 1/27: Managing your research code
- Fri 1/30: Managing machine Learning data

Thank you!



Scholarly communications: https://libanswers.mit.edu/ask-scholarly-communications

Data management services: data-management@mit.edu