

Agencies' Perspective on Public Access Initiatives

March 2, 2023

Panelist:

Dr. Christopher Marcum, OSTP

Dr. Jessica Tucker, NIH

Dr. Martin Halbert, NSF

Dr. Patricia Knezek, NASA

Dr. Carly Robinson, DOE

Moderator:

Krystal Toups, COGR, CGA

ADVANCING OPEN SCIENCE THROUGH PUBLIC ACCESS in 2023 AND BEYOND

Christopher Steven Marcum
Assistant Director for Open Science
and Data Policy

White House Office of Science and
Technology Policy

March 02, 2023



Outline

- Definitions
- Foundations for Increasing Public Access
- A Summary of the 2022 OSTP Memorandum on Public Access
- Moving into a Year of Open Science



AN OFFICIAL DEFINITION FOR OPEN SCIENCE

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.



OSTP DEFINITION OF PUBLIC ACCESS

Public access refers to the free availability of federally funded scholarly materials to the public (including publications, data, and other research outputs).



Public Access and Open Science Are Administration Priorities

Open science is an essential part of the Biden-Harris administration's broader commitment to providing public access to the nation's taxpayer-supported research and innovation enterprise.

Nelson, Marcum, Isler (2022)



Increasing Access to the Results of Federally Funded Scientific Research

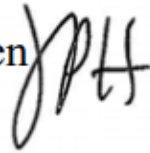
EXECUTIVE OFFICE OF THE PRESIDENT
OFFICE OF SCIENCE AND TECHNOLOGY POLICY
WASHINGTON, D.C. 20502

February 22, 2013

MEMORANDUM FOR THE HEADS OF EXECUTIVE DEPARTMENTS AND AGENCIES

FROM:

John P. Holdren
Director



SUBJECT: Increasing Access to the Results of Federally Funded Scientific Research



Increasing Access to the Results of Federally Funded Scientific Research

Guidance from 10 Years Ago

- Since 2013, public access policies for federal agencies with research and development expenditures exceeding \$100M have been guided by an OSTP memo on public access
- Agencies to make research publications freely available to the public as soon as possible but no later than 12-months after publications
- Provided for agencies to develop data management and sharing plans
- No explicit requirement for data sharing



ENSURING FREE, IMMEDIATE, AND EQUITABLE ACCESS TO FEDERALLY FUNDED RESEARCH




EXECUTIVE OFFICE OF THE PRESIDENT
OFFICE OF SCIENCE AND TECHNOLOGY POLICY
WASHINGTON, D.C. 20502

August 25, 2022

MEMORANDUM FOR THE HEADS OF EXECUTIVE DEPARTMENTS AND AGENCIES

FROM:

Dr. Alondra Nelson 
Deputy Assistant to the President and Deputy Director for Science and Society
Performing the Duties of Director
Office of Science and Technology Policy (OSTP)

SUBJECT: Ensuring Free, Immediate, and Equitable Access to Federally Funded Research



ENSURING FREE, IMMEDIATE, AND EQUITABLE ACCESS TO FEDERALLY FUNDED RESEARCH

Policy Guidance Development Ten Years in the Making

- Motivated by principles of equity
- Inspired by open science
- Aligned with existing law
- Informed by federal agencies and a wide array of external stakeholders and the public

◀ VOL. XXXIX, NO. 1, FALL 2022

Public Access to Advance Equity

BY ALONDRA NELSON, CHRISTOPHER MARCUM, JEDIDAH ISLER

The American public should have access to the knowledge produced by the nation's research and innovation enterprise. Here's how to ensure that access to federally funded research is open, equitable, and secure.

<https://issues.org/public-open-access-advance-equity-ostp-nelson-marcum-isler/>



ENSURING FREE, IMMEDIATE, AND EQUITABLE ACCESS TO FEDERALLY FUNDED RESEARCH

Overview of New 2022 Guidance

- Dr. Alondra Nelson delivered the new OSTP guidance in a memorandum to agency and department heads on August 25, 2022 affirming: “American investment in such research is essential to the health, economic prosperity, and well-being of the Nation. There should be no delay between taxpayers and the returns on their investments in research.”
- The new guidance builds upon much of the 2013 memo by:
 - removing the 12-month publication embargo;
 - strengthening guidance on data and other scholarly material sharing;
 - supporting research integrity and scientific integrity in public access policies; and,
 - setting the stage for implementation through interagency coordination.

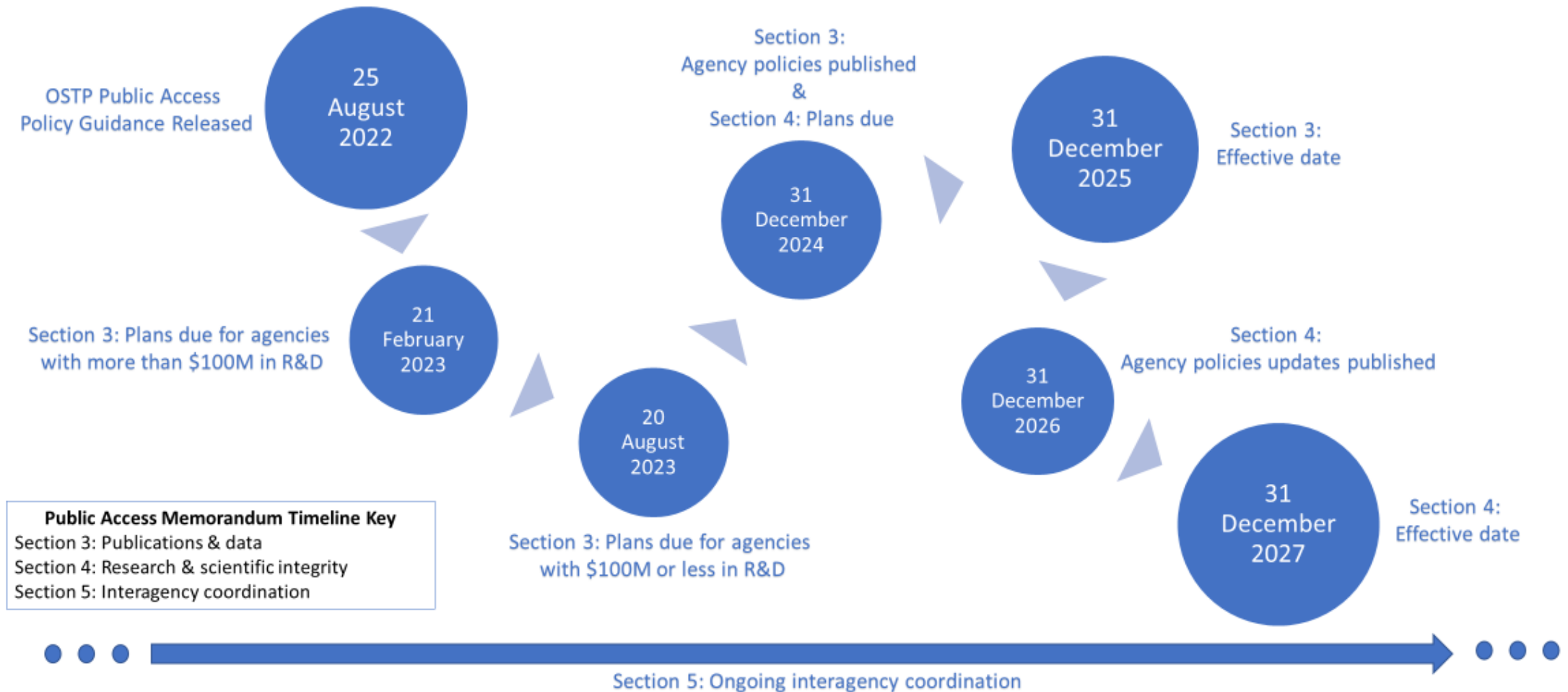


WHAT THE POLICY GUIDANCE IS NOT

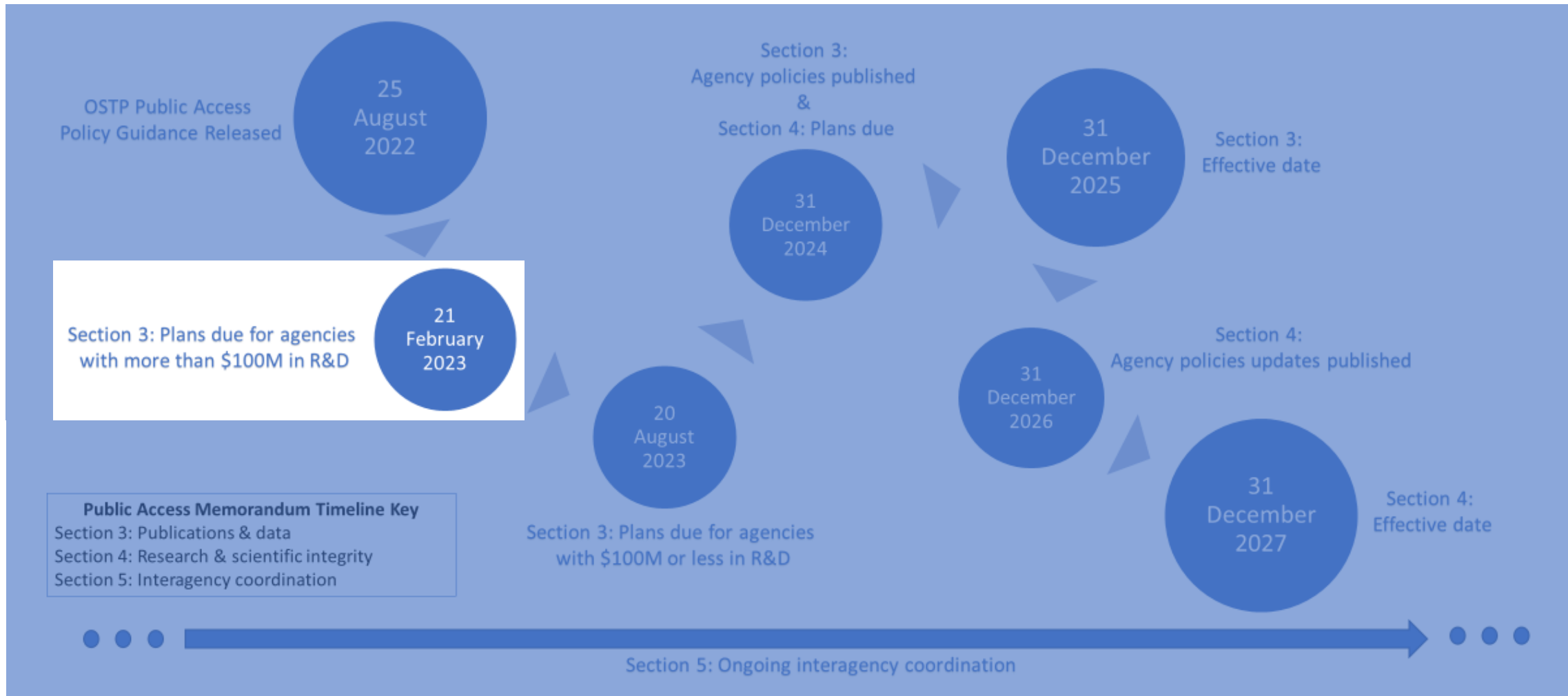
- A mandate for Open Access or any other publication model
- A replacement of every provision of the 2013 OSTP Memorandum
- A requirement to share protected information and data
- Inconsistent with law



TIMELINE FOR THE 2022 OSTP PUBLIC ACCESS POLICY



TIMELINE FOR THE 2022 OSTP PUBLIC ACCESS POLICY



ENSURING FREE, IMMEDIATE, AND EQUITABLE ACCESS TO FEDERALLY FUNDED RESEARCH

Interagency Coordination

- Coordination among federal science agencies is critical for the success of delivering America's research to the public.
- The National Science and Technology Council Subcommittee on Open Science (Subcommittee) was chartered to facilitate such coordination between federal science agencies in conjunction with OSTP



2023 A Year of Open Science



JANUARY 11, 2023

FACT SHEET: Biden-Harris Administration Announces New Actions to Advance Open and Equitable Research



OSTP

BRIEFING ROOM

PRESS RELEASES

*OSTP launches Year of Open Science to advance national open science
policies across the federal government in 2023*



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.

Centers for Disease Control

Department of Agriculture

Department of Commerce

Department of Energy

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

U.S. Geological Survey

U.S. General Services Administration



This site is your gateway to major announcements by federal agencies that support open science initiatives, programs, and events.

<https://www.science.gov>



THANK YOU!

Christopher.S.Marcum@ostp.eop.gov

Happy Year of Open Science!



NATIONAL INSTITUTES OF HEALTH

ADVANCING RESEARCH THROUGH PUBLIC ACCESS:

An Integrated Approach

Jessica Tucker, PhD

Acting Deputy Director, Office of Science Policy
National Institutes of Health

**Council on Government Relations
Virtual Membership Meeting
March 2, 2023**

MAXIMIZING THE BENEFITS OF PUBLIC ACCESS

GOALS FOR TODAY'S CONVERSATION



Describe the strong foundation for Public Access in place at NIH



Review NIH's Public Access Plan



Get your feedback on intersections with your community

NIH VISION

AN INTEGRATED DATA ECOSYSTEM



FAIR Principles

Metadata

Consent & Privacy

Storage Costs

Interoperability

Data Standards

Curation Costs

Security & Integrity

Data Agreements

Common Data Elements

Public Access

Persistent Identifiers (PIDs)

NIH VISION

AN INTEGRATED DATA ECOSYSTEM



FAIR Principles

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Storage Costs

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Data Standards

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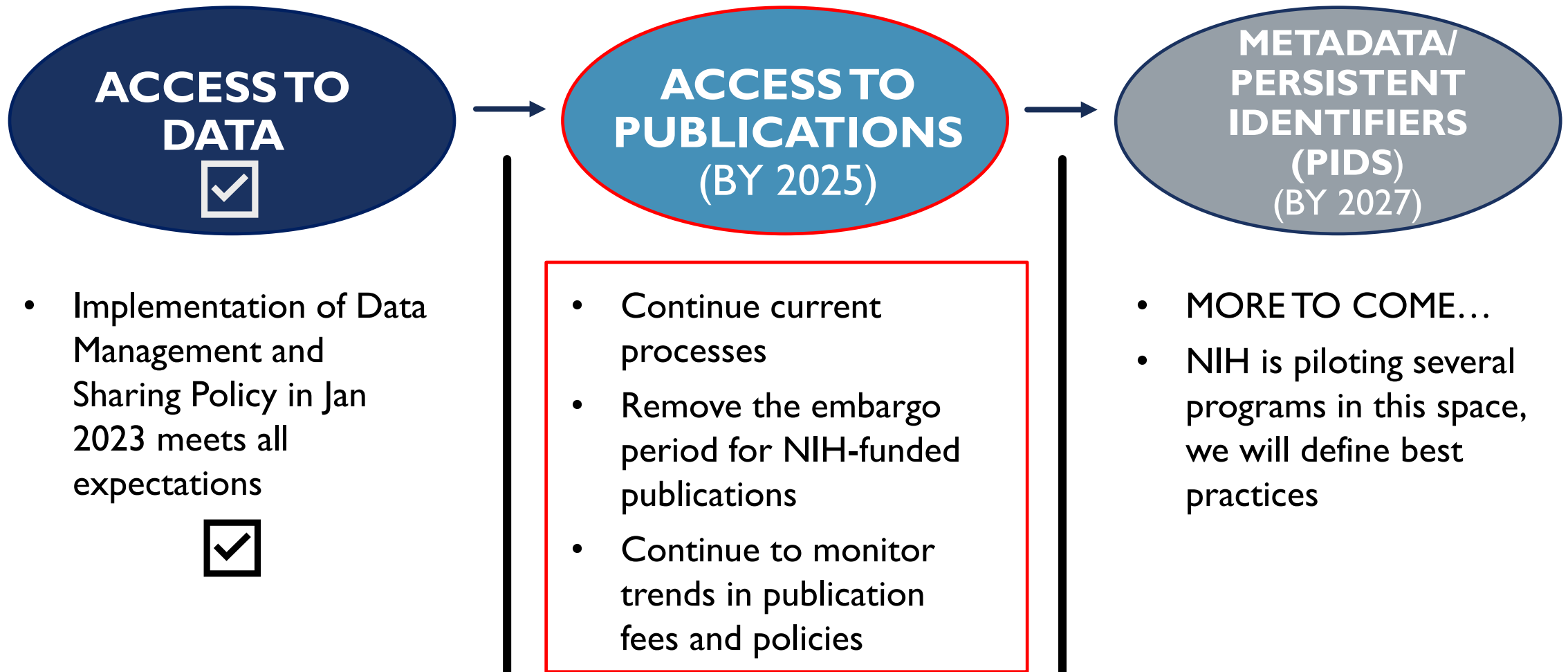
Common Data Elements

Public Access

Persistent Identifiers (PIDs)

IN A NUTSHELL...

MAJOR PILLARS OF THE OSTP MEMO ON EQUITABLE ACCESS



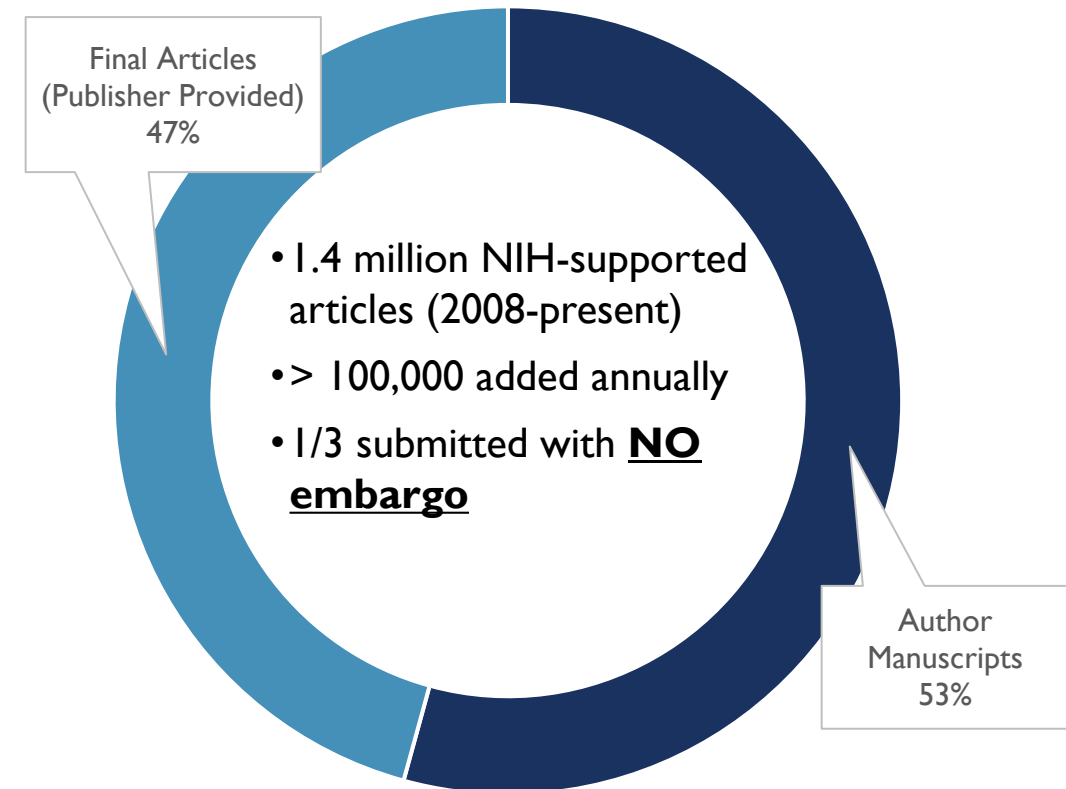
HOW IT STARTED, HOW IT'S GOING

SUCCESS OF CURRENT NIH PUBLIC ACCESS POLICY (AFTER 2008)

*The Director of the National Institutes of Health shall require that **all investigators funded by the NIH** submit or have submitted for them to...**PubMed Central** an electronic version of their final peer-reviewed manuscripts **upon acceptance for publication**, to be made **publicly available no later than 12 months after the official date of publication...***

Implements Division G, Title II, Section 218 of PL 110-161
Consolidated Appropriations Act, 2008

NIH-Supported Articles in PMC



PUBLIC ACCESS TO PUBLICATIONS

OUR PLAN TO BUILD FROM OUR FOUNDATION

On or by
Dec 31, 2025
Revised Public Access
Policy Effective

Expectation from 2022 OSTP Memo	Current Practices To Continue	New Practices NIH Will Institute	New Practices Proposed
Peer-reviewed scholarly publications... made freely available, publicly accessible in agency-designated repositories without embargo after publication	<ul style="list-style-type: none">• PMC serves as repository• Manuscripts submitted to PMC at time of acceptance OR• Journals with agreements with NIH will submit on authors' behalf when published	<ul style="list-style-type: none">• Articles will be available post- publication in PMC as soon as processing is complete, without an embargo period	<ul style="list-style-type: none">• Develop language regarding retaining rights necessary to comply• Clarify official date of publication (online vs. print)

PUBLIC ACCESS TO PUBLICATIONS

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Expectation from 2022 OSTP Memo	Current Practices To Continue	New Practices NIH Will Institute	New Practices Proposed
Peer-reviewed scholarly publications... made freely available, publicly accessible in agency-designated repositories without embargo after publication	<ul style="list-style-type: none">PMC serves as repositoryManuscripts submitted to PMC at time of acceptance ORJournals with agreements with NIH will submit on authors' behalf when published	<ul style="list-style-type: none">Articles will be available post-publication in PMC as soon as processing is complete, without an embargo period	<ul style="list-style-type: none">Develop language regarding retaining rights necessary to complyClarify official date of publication (online vs. print)
Maximize equitable reach of public access to peer-reviewed scholarly publications...in formats that allow for machine-readability	<ul style="list-style-type: none">PMC converts submissions to human- and machine- readable formats and allows for use of metadata	<ul style="list-style-type: none">Work with community to develop/update standards for article accessibility procedures, for submission to PMC	*Actively seeking public input and ideas*

PUBLIC ACCESS TO PUBLICATIONS

OUR PLAN TO BUILD FROM OUR FOUNDATION

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Expectation from 2022 OSTP Memo	Current Practices To Continue	New Practices NIH Will Institute	New Practices Proposed
Peer-reviewed scholarly publications... made freely available, publicly accessible in agency-designated repositories without embargo after publication	<ul style="list-style-type: none">PMC serves as repositoryManuscripts submitted to PMC at time of acceptance ORJournals with agreements with NIH will submit on authors' behalf when published	<ul style="list-style-type: none">Articles will be available post-publication in PMC as soon as processing is complete, without an embargo period	<ul style="list-style-type: none">Develop language regarding retaining rights necessary to complyClarify official date of publication (online vs. print)
Maximize equitable reach of public access to peer-reviewed scholarly publications...in formats that allow for machine-readability	<ul style="list-style-type: none">PMC converts submissions to human- and machine- readable formats and allows for use of metadata	<ul style="list-style-type: none">Work with community to develop/update standards for article accessibility procedures, for submission to PMC	*Actively seeking public input and ideas*
Allow researchers to include reasonable publication costs... as allowable expenses in all research budgets	<ul style="list-style-type: none">GPS already allows reasonable publication costsNo specific publication business model required		<ul style="list-style-type: none">Continue to monitor trends in publication fees and policies to ensure that they remain reasonable and equitable

NEXT STEPS

WE WILL SEEK COMMENT ON OUR PLAN AND FUTURE POLICIES

- Reaching out to communities (researchers, institutions, publishers)
 - RFI released with submission of Plan to OSTP/OMB on Feb 21, 2023
 - Additional opportunities for public feedback
- Coordinating through the interagency (SOS)
- To follow: draft *revised* Public Access policy (for comment) and final policy
 - Full policy in place by Dec 31, 2024,
 - implementation by Dec 31, 2025
- Stay tuned for PIDs and metadata...



SEEKING YOUR FEEDBACK FOR DISCUSSION WITH COGR

- RFI: NOT-OD-23-091 open until April 24, 2023:
 - How can NIH help maximize equity for authors/investigators in publication opportunities?
 - How can NIH help maximize equity in access and accessibility of publications?
 - Ways to monitor evolving costs AND impacts on affected communities?
 - Considerations to increase findability and transparency of research?
 - Other topics?



NSF Perspectives on Public Access & Open Science

Martin Halbert

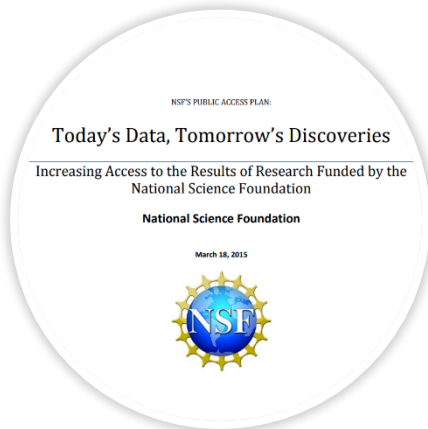
NSF Program Director for Public Access

Thursday, March 2, 2023

COGR Virtual Membership Meeting

Presentation Overview

NSF and Open Science



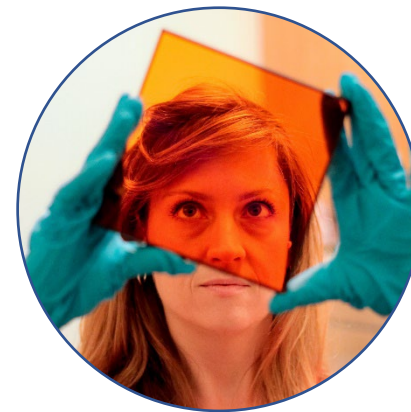
History of NSF and Federal Public Access (PA) policies

Recent Initiatives



Recent NSF Initiatives and Reports related to Open Science

NSF Perspectives



Perspectives that are Particular to Broad Range of Communities Served by NSF

Next Steps

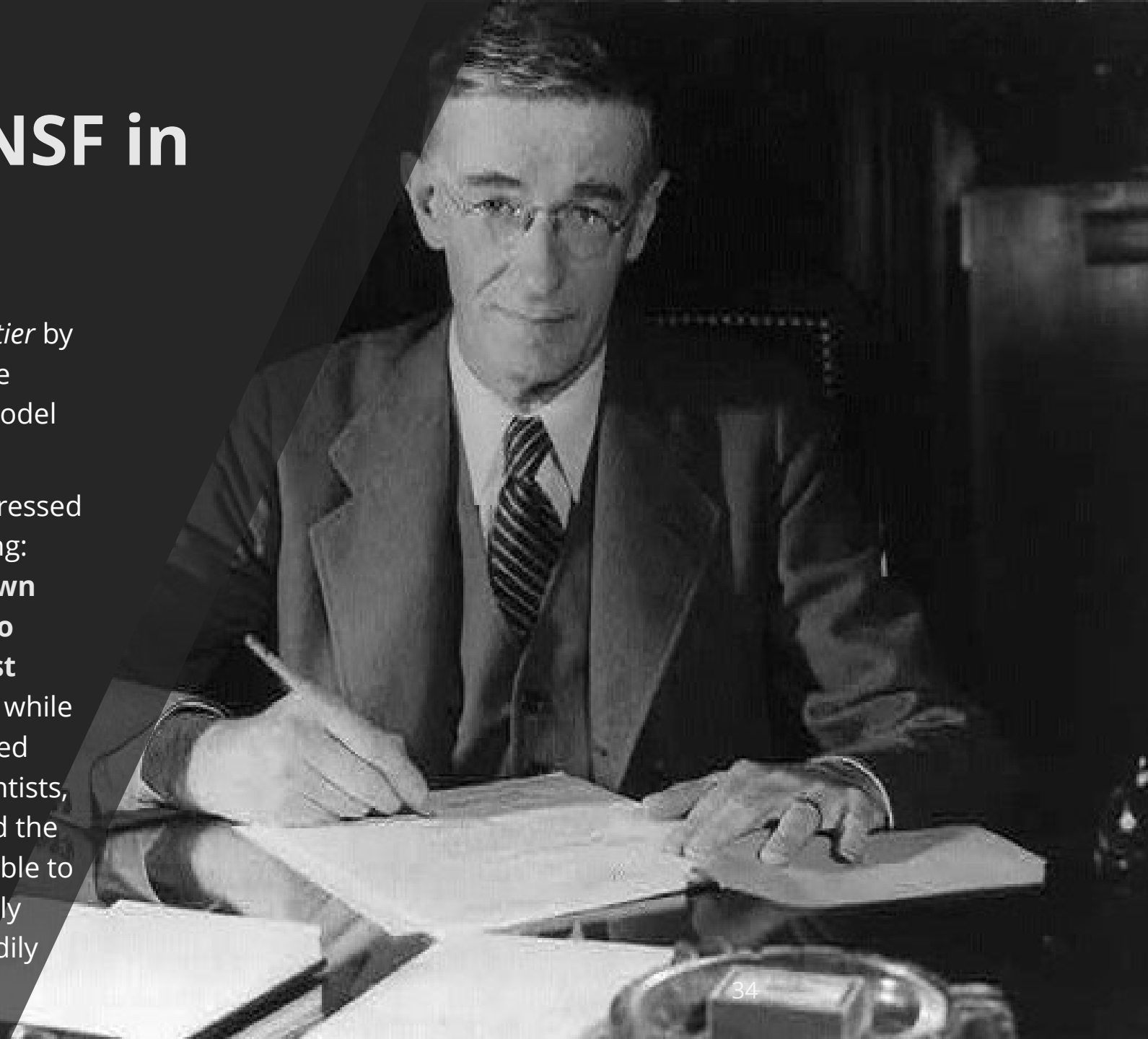


Next Steps In Policy Implementation



Foundations of NSF in Open Science

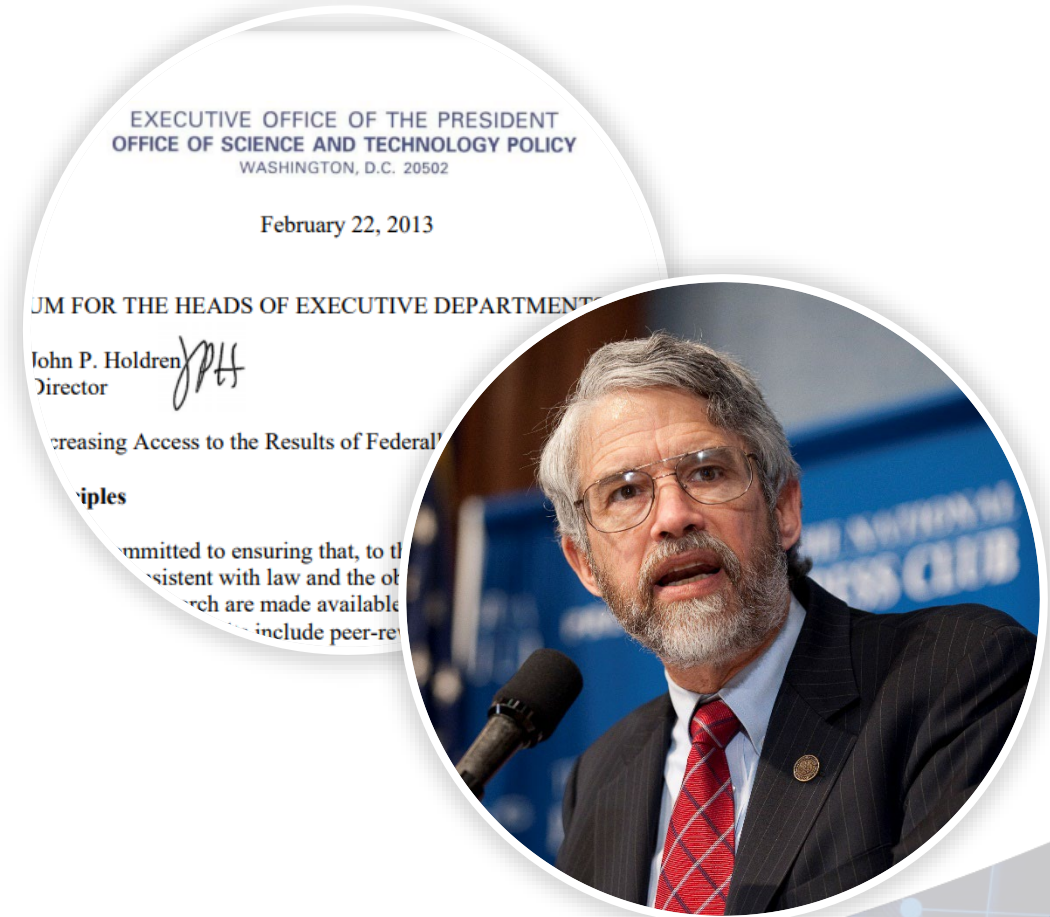
- The 1945 report *Science: The Endless Frontier* by Vannevar Bush to the president led to the creation of NSF and the contemporary model of federal funding of basic research
- The concluding section of the report addressed publication of scientific information saying:
"The frontiers of science must be thrown open so that all who have the ability to explore may advance from the farthest position which anyone has attained.... while there is a fund of new knowledge scattered among a large number of individual scientists, no one of them has access to all of it; and the broad base of scientific knowledge available to all scientists has not been correspondingly extended. This situation should be speedily corrected."



2013: White House Office of Science and Technology (OSTP) guidance on Open Science and Public Access, commonly called the “Holdren” Memo

Issued by OSTP Director John Holdren

- directed agencies to develop Public Access plans to ensure that the results of federally funded scientific research are made publicly available, including **peer-reviewed publications** and **digital data**
- allowed for a **1-year embargo** of peer-reviewed articles after publication



NSF Public Access Plan: Current Practices



*Today's Data, Tomorrow's Discoveries:
Increasing Access to the Results of
Research Funded by the National Science
Foundation (NSF 15-52)*

- Published in Mar 2015, under then NSF Director France Córdoba
- Published, peer-reviewed articles are uploaded and publicly accessible through the NSF PAR (Public Access Repository) as regular part of annual reporting
- **AAM**(author accepted manuscript) or the **VOR** (version of record) satisfy the public access requirement

The screenshot shows the Research.gov website interface. At the top, there's a header with the NSF logo and 'Research.gov ONLINE GRANTS MANAGEMENT FOR THE NSF COMMUNITY'. Below this is a navigation bar with 'My Desktop', 'Prepare & Submit Proposals', and 'Awards & Reports'. The main content area is titled 'Submit New Journal or Juried Conference Paper' with a link '< Back to Products'. Under 'Required fields', there's a 'Product Status' dropdown menu set to 'Published'. A note states: 'Published journals or juried conference papers need to be deposited in the NSF Public Access Repository. Once deposited and validated in NSF-PAR, the new entry will be added to your project report.' Below this is a link 'Deposit publication (NSF-PAR)'. The footer includes the Research.gov logo and the National Science Foundation logo.



2022: White House Office of Science and Technology (OSTP) guidance on Open Science and Public Access, commonly called the “Nelson” Memo

Issued by OSTP
Acting Director Alondra Nelson

- calls for **Free, Immediate, and Equitable** public access
- new Public Access/Open Science plan by Feb 2023 (with policies by 2024, and implementation by 2025)
- default **zero-embargo** of peer-reviewed articles and underlying data



Recent Initiatives – NSF Program Solicitations

example: 2022 FAIROS RCN Solicitation

Findable Accessible Interoperable Reusable Open Science Research Coordination Networks (FAIROS RCN)

PROGRAM SOLICITATION

NSF 22-553



National Science Foundation

Directorate for Computer and Information Science and Engineering
Office of Advanced Cyberinfrastructure

Directorate for Geosciences

Directorate for Social, Behavioral and Economic Sciences

Directorate for Biological Sciences

Directorate for Mathematical and Physical Sciences

Directorate for Engineering

Directorate for Education and Human Resources

Full Proposal Deadline(s) (due by 5 p.m. submitter's local time):

April 12, 2022

- Program competition funded 10 collaborative national projects comprised of 28 distinct awards
- Total of \$12.5M in awards
- RCNs are 3-year projects to advance FAIR data principles and Open Science standards and practices nationally



Open Science Announcements from Federal Agencies

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Centers for Disease Control
Department of Agriculture
Department of Commerce
Department of Energy

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
U.S. Geological Survey
U.S. General Services Administration



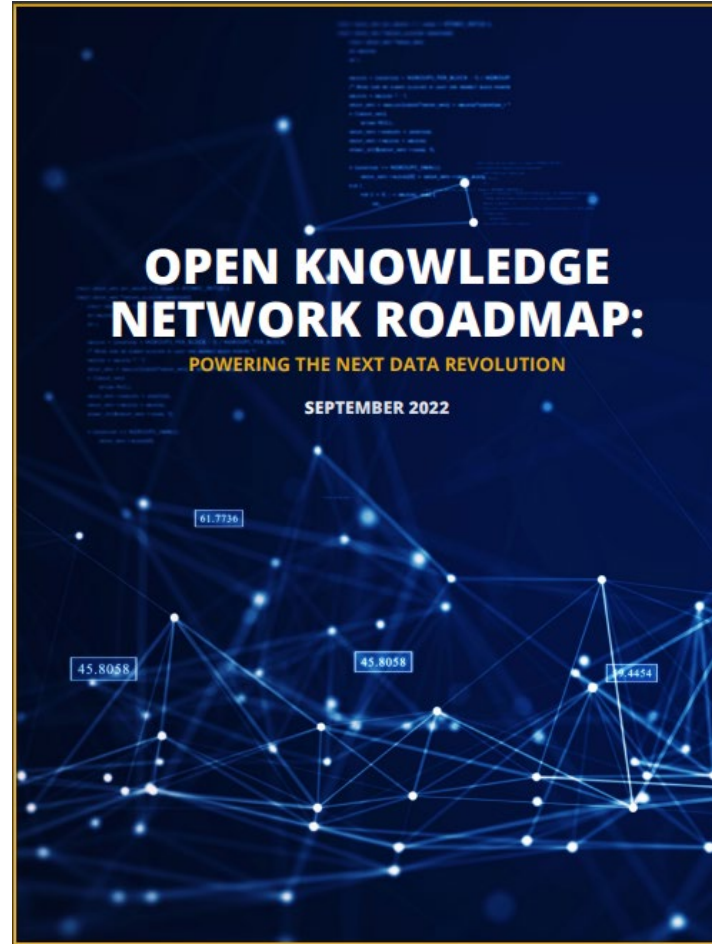
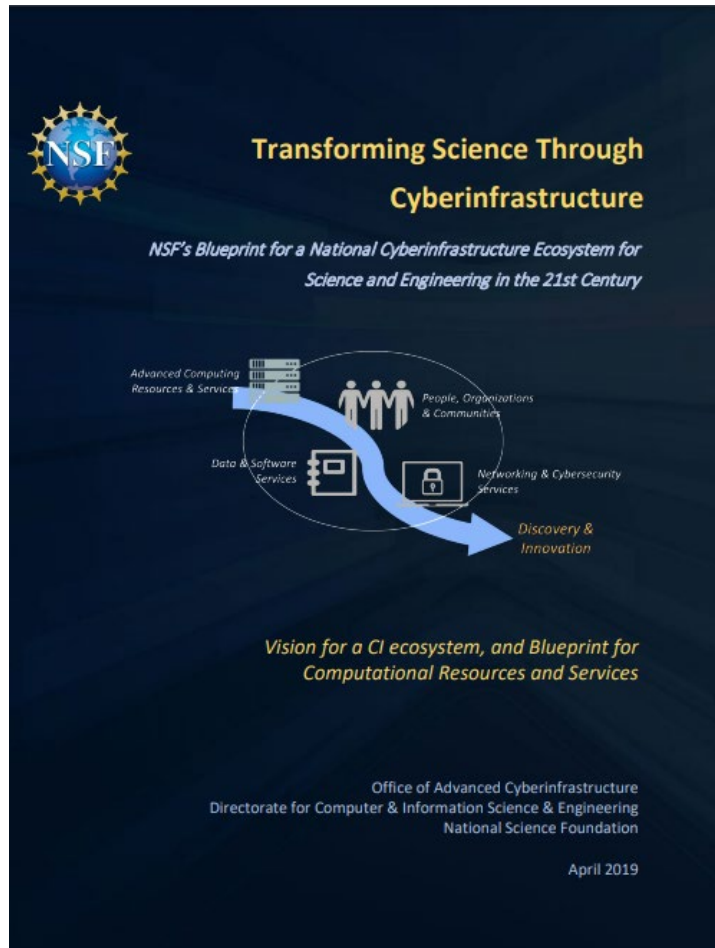
This site is your gateway to major announcements by federal agencies that support open science initiatives, programs, and events.



2023 Year of Open Science Interagency Initiative

- Broad collaborative effort between federal agencies and other organizations to promote and advance Open Science
- Multiple interagency synergistic goals
- Various agencies undertaking aligned efforts as part of YOS this year
- For updates, see: <https://open.science.gov/>

Recent NSF Reports



- NSF OAC *Transforming Science Through Cyberinfrastructure* plan (2019)
- NSF *Open Knowledge Network Roadmap* (2022)
- NSF Public Access 2.0 Plan (2023)

NSF Perspectives

- NSF serves the broadest array of scientific disciplines of any federal agency
- As a result, NSF must address wide spectrum of research community outlooks and priorities
- This broad base of scientific communities informs NSF perspectives on Open Science



Opportunities and Priorities

- ***Accelerate discovery and amplify its impact.***
 - continue the paradigm from research silos towards a culture valuing access to publications, data sharing, and collaboration
- ***Promote scientific integrity***
- ***Ensure equity***
 - weigh impact on the scientific community
 - support science and scientists

*Impact of public
access across
Federal
government*

8 million



*publications made
accessible*

3 million

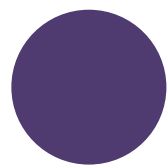


read free daily

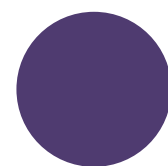
What we've heard from our stakeholders....

principles and values

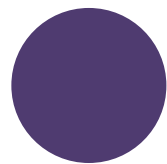
Broad agreement that expanded public access, in principle, is beneficial to scientific enterprise, advances equity, and that the trend towards open research will likely continue



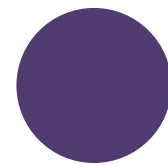
Scientific Communication is critical to the research ecosystem, and both advances science and supports specific communities



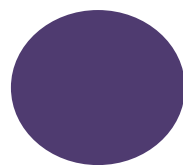
Researchers should have an **equitable ability/right to submit research** results for publication



The Cross-disciplinary scientific value of shared data should be maximized



Avoiding duplicative effort and unnecessary researcher burden is valued

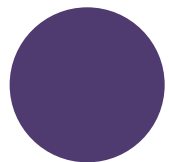


Communities want to help **develop new mechanisms/ecosystems** for sharing research



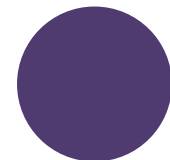
What we've heard from our stakeholders....

costs and concerns

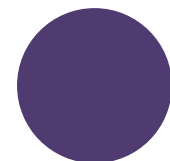


Equity concerns are a **primary driving factor** for many communities

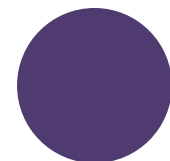
- Over-reliance on Gold OA may disadvantage many researchers and marginalized groups
- Scholarly societies and large commercial publishers will have access to different solutions
- Shifts from subscription access to page charges may have large-scale implications and equity impacts



Shifting publication costs to research grants would **reduce funding** intended for research, development, and training



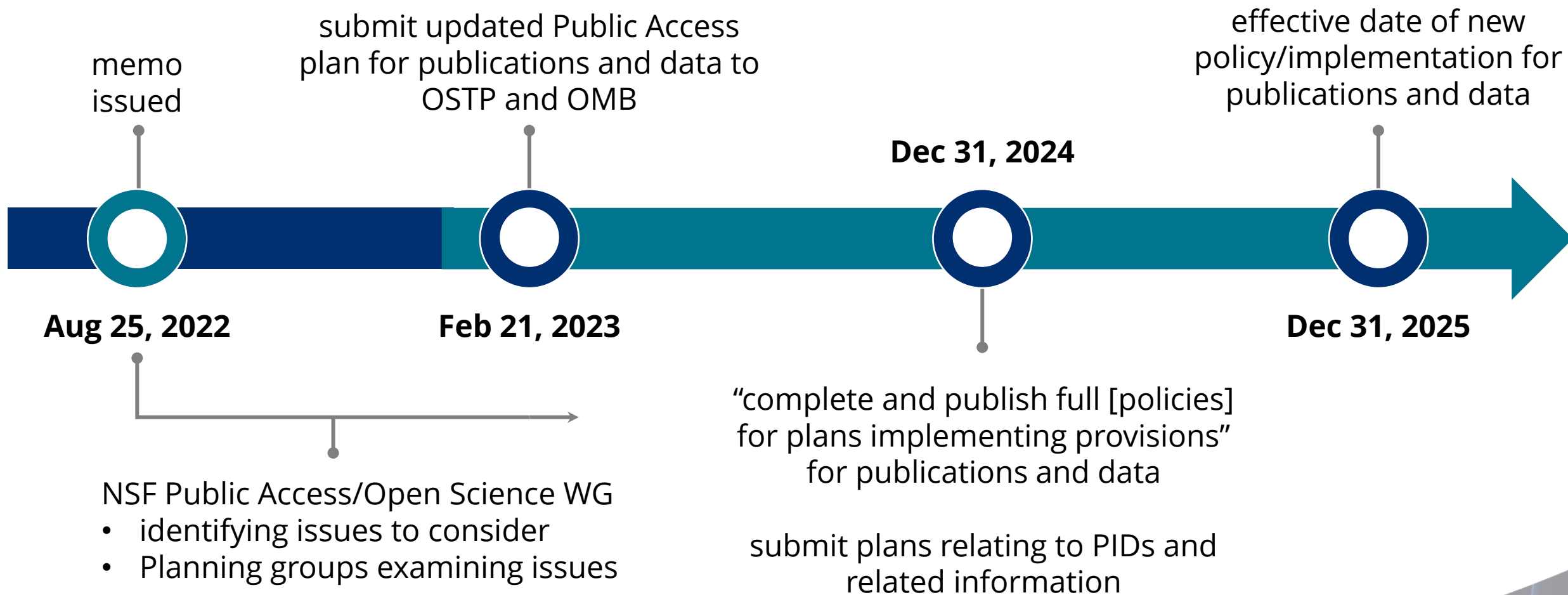
There are non-trivial technical, cultural, and economic **challenges surrounding data sharing**



Publishing and data **norms vary among disciplines**; one-size will not fit all



Timeline for Public Access Updates





Thank you for your interest and input!

To contact us, reach out to:

PublicAccess@nsf.gov

*Explore the NSF Public Access Initiative
and funded awards:*

<https://beta.nsf.gov/public-access>

YEAR OF **OPEN SCIENCE**



NASA: Committed to Open Science

National Aeronautics and
Space Administration

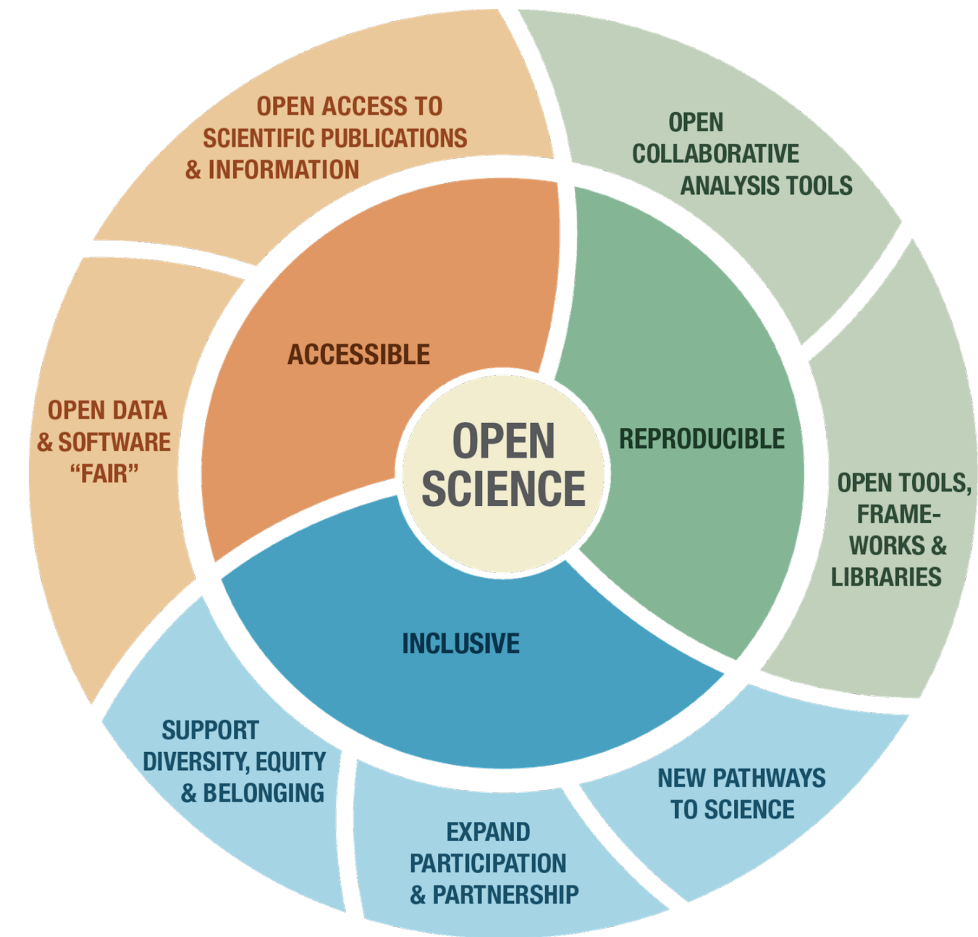


Patricia Knezek
Program Scientist, NASA Headquarters
Co-chair, NSTC Subcommittee on Open Science
March 2, 2023



NASA's Perspective on the 2022 OSTP Public Access Memo

- NASA strongly supports the intent of the 2022 OSTP Public Access Memo, *Ensuring Free, Immediate, and Equitable Access to Federally Funded Research*
- Promoting the full and open sharing of scientific research results with research communities, private industry, academia, and the general public is one of NASA's long-standing core values.



NASA's Approach: Open Science Core Values

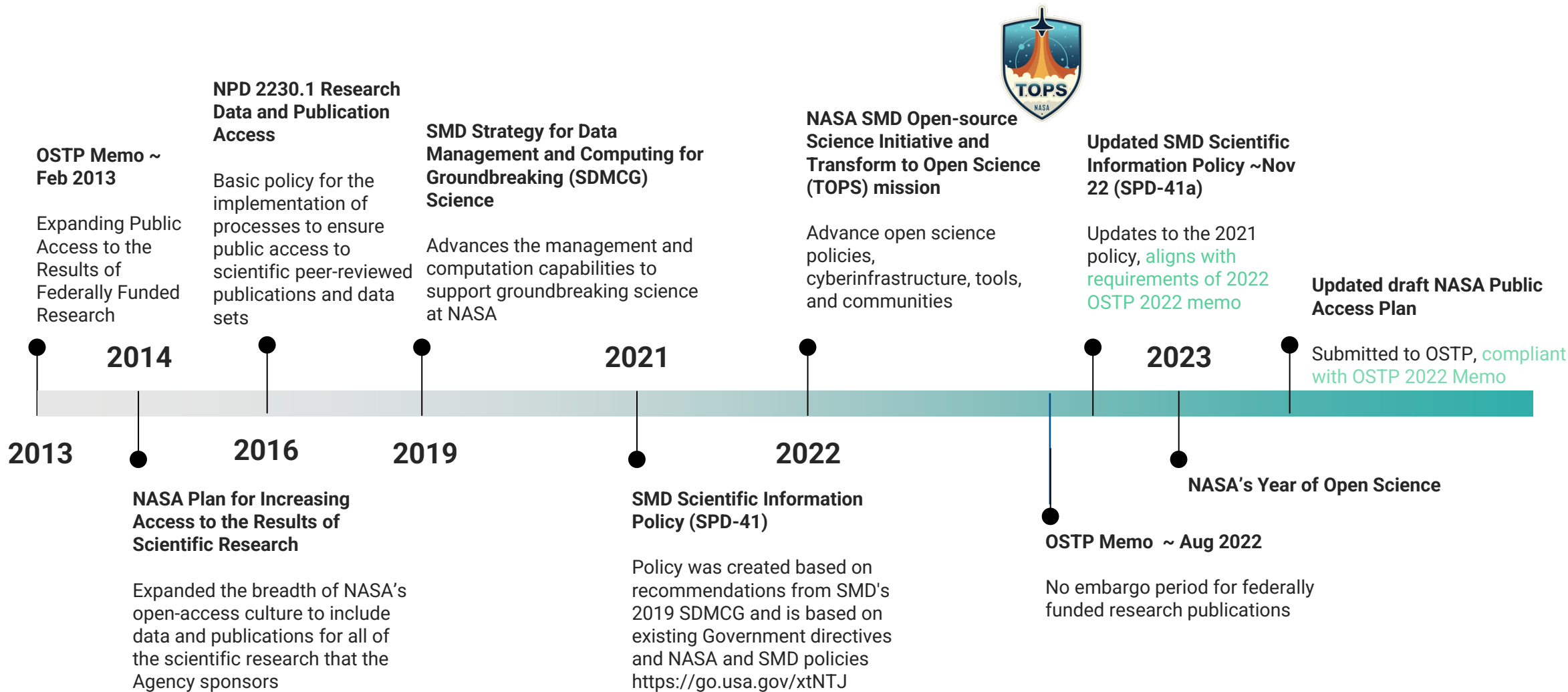
- Openness is fundamental, security is essential, and freedom and integrity are crucial
- Increase the accessibility, inclusion, and reproducibility of NASA scientific activities
- When possible, minimize the burden both within NASA and for our research communities
- NASA's Office of the Chief Scientist (OCS) is leading an Agency-wide update to the 2014 NASA plan. Membership includes representation from: Office of the Chief Scientist (Lead), Science Mission Directorate, Office of the Chief Information Officer, Office of the General Counsel, Office of the Chief Engineer, Office of Technology, Policy & Strategy, Space Technology Mission Directorate, Exploration Systems Development Mission Directorate, Space Operations Mission Directorate, Aeronautics Research Mission Directorate
- The draft updated Public Access Plan was submitted to OSTP for review on Feb. 21, 2023



NASA's Office of the Chief Scientist (OCS)

Agency-wide group efforts to date:

- Reviewed NASA Open Access Policy – **NPD 2230.1 Research Data and Publication Access** - no changes were needed to be compliant with the new OSTP memo of 2022
- Revised NASA's 2014 Open Access Plan for consistency with the OSTP 2022 memo
- Submitted draft revision on Feb. 21, 2023 to OSTP for review
- Significant changes to be expected:
 - Removing requirement for a one year embargo on publications
 - Software (s/w) guidance for the process for releasing and maintaining s/w (consistent with multiple existing NASA policy documents covering s/w)
 - Encouraging sharing of data that goes beyond a publication



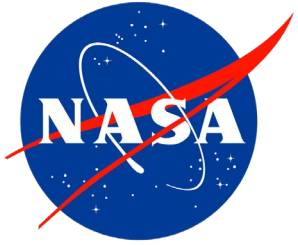
NPD = NASA Policy Directive; SMD = NASA's Science Mission Directorate; SPD = SMD Policy Document

NASA's Science Mission Directorate (SMD): Open Source Science

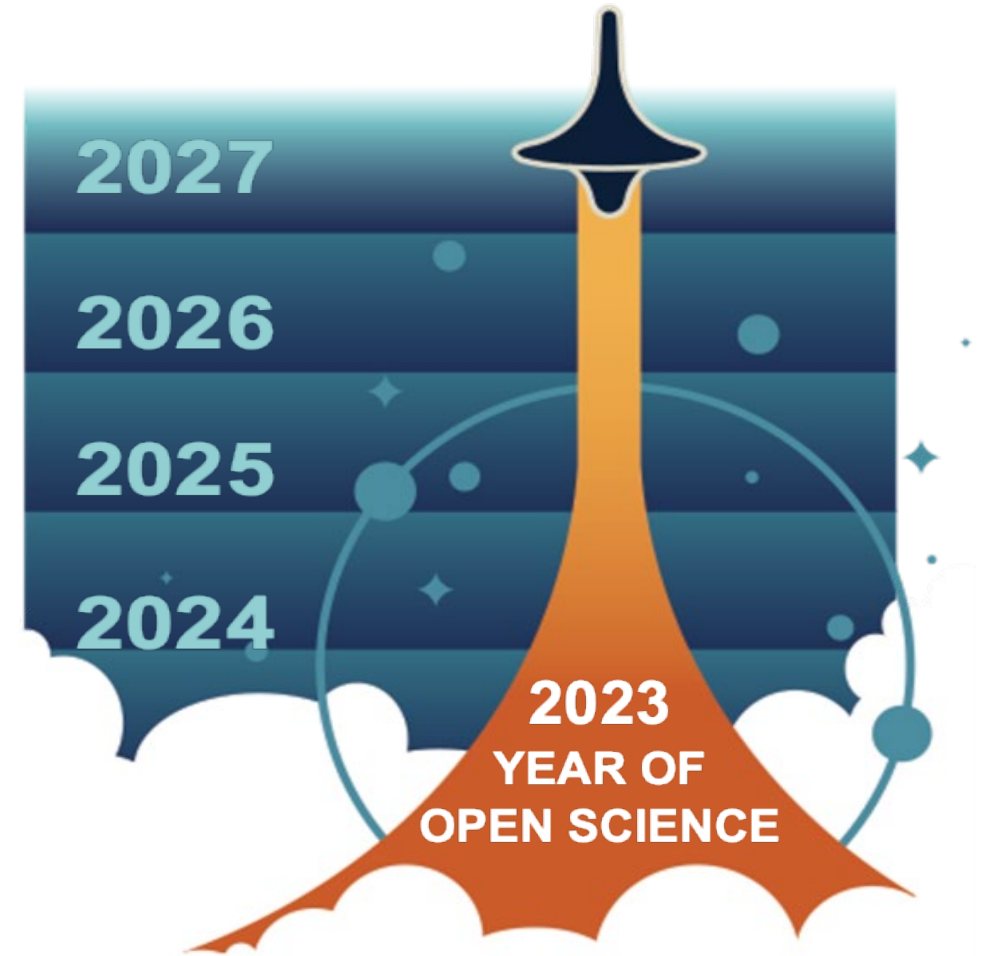
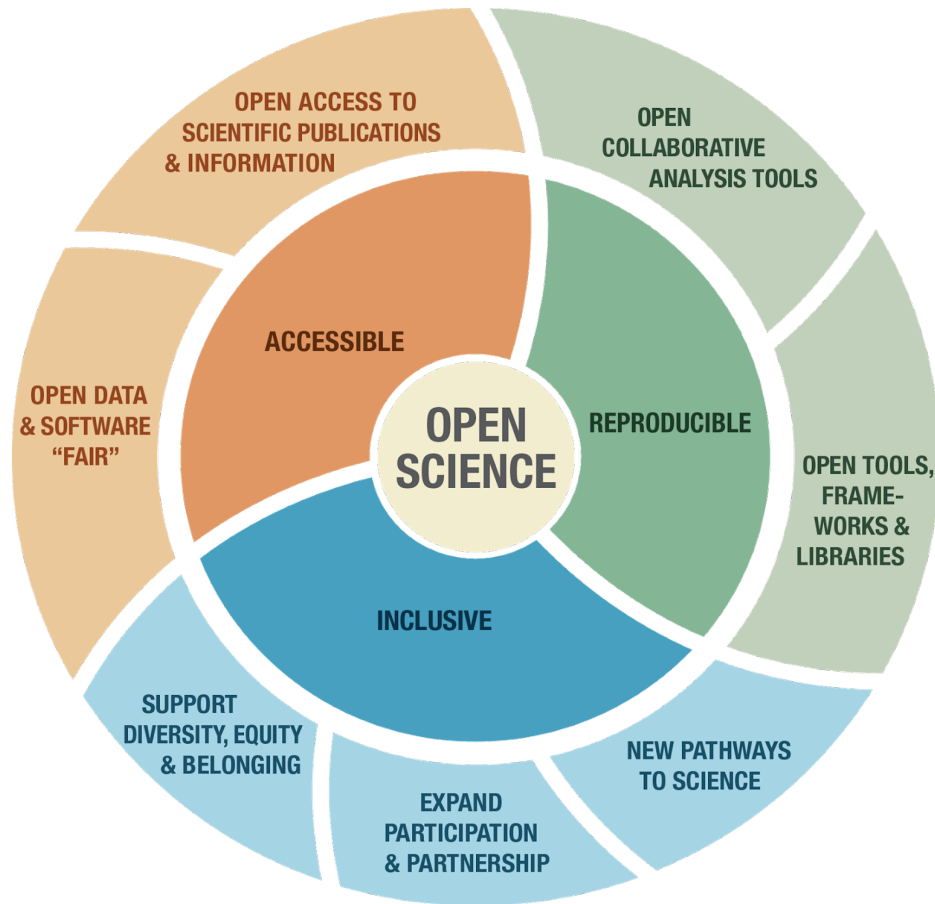
- In August 2021 SMD released the “SMD Scientific Information Policy” (SPD-41), which brings together and NASA and federal policy, <https://go.usa.gov/xtNTJ>
 - Aligned with NPD 2330.1
- In November 2021, a draft updated version, SPD-41a was released with proposed additions.
 - An RFI* was released to the community and closed on March 4, 2022
 - SPD-41a was revised to address community input and released in Dec. 2022, <https://science.nasa.gov/science-red/s3fs-public/atoms/files/SMD-information-policy-SPD-41a.pdf>
 - SPD-41a is consistent with the OSTP Public Access memo
 - Expect proposers to include open science costs in proposal budgets

*RFI = Request for Information





Thank You!



Key Elements Addressed in DOE Public Access Plan

Carly Robinson, Ph.D.
Assistant Director for Information Products and Services
Office of Scientific and Technical Information
Department of Energy

COGR Membership Meeting
March 2, 2023



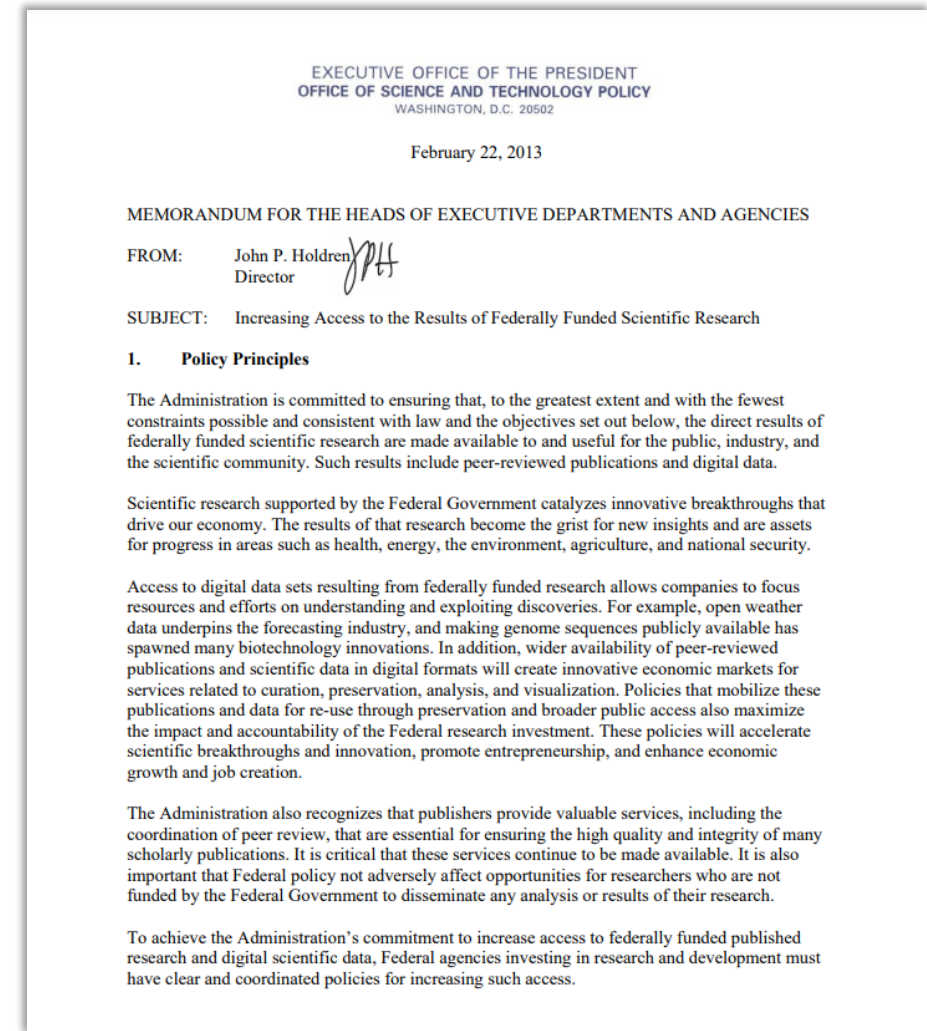
U.S. DEPARTMENT OF
ENERGY

Office of
Science

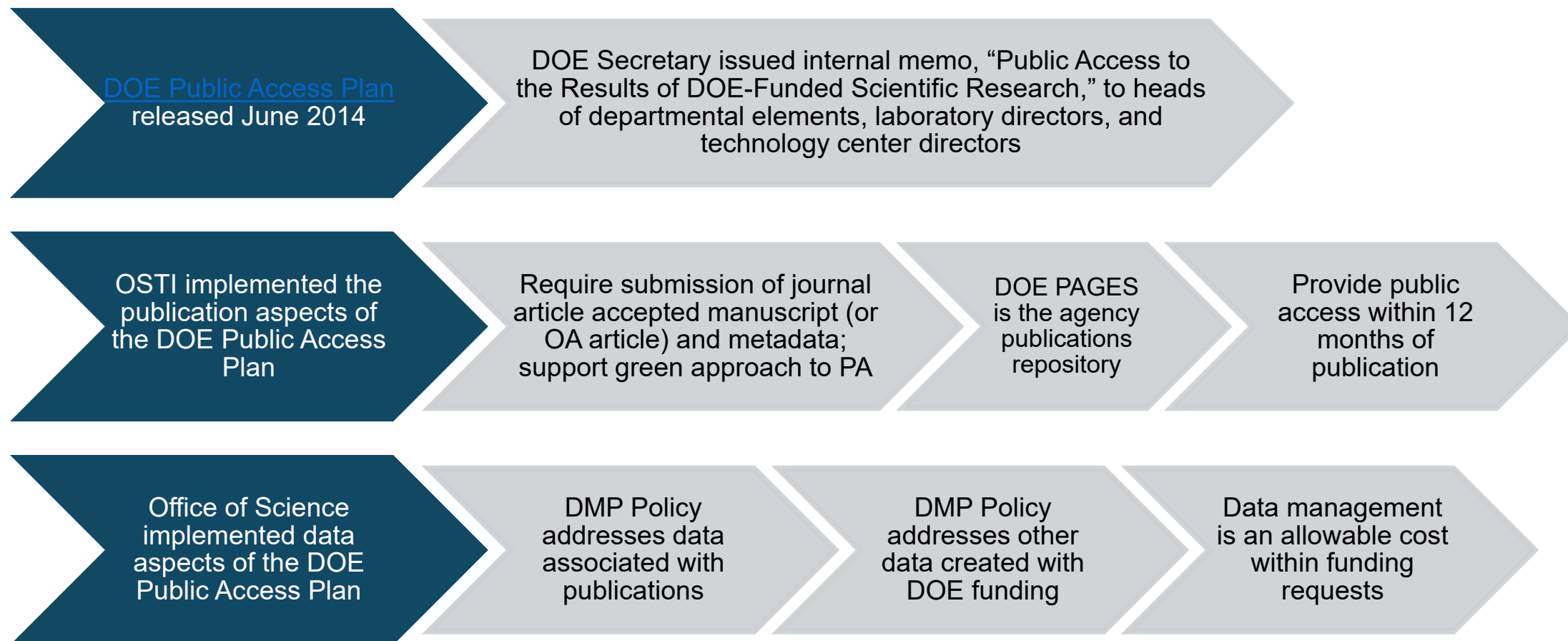
Office of Scientific and
Technical Information

Public Access History

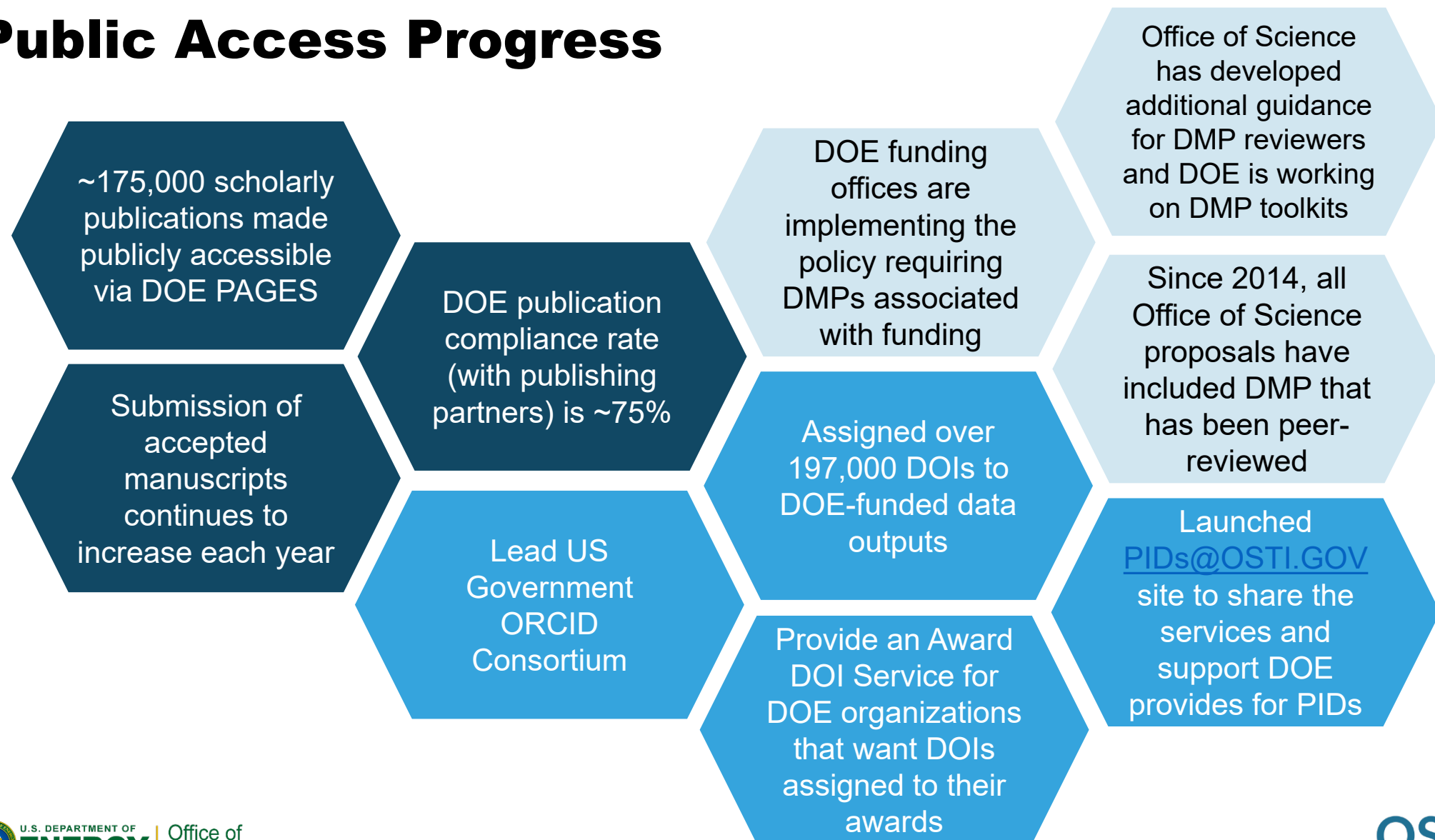
- DOE's Office of Scientific and Technical Information (OSTI) was created 75 years ago to make DOE research publicly available – public access to research is our mission
- 2013 OSTP Memo – [Increasing Access to the Results of Federally Funded Scientific Research](#)
 - Publications: provide free public access to accepted manuscripts within 12-month of publication
 - Data: address data management through projects needing data management plans (DMPs)



2014 Public Access Plan Implementation

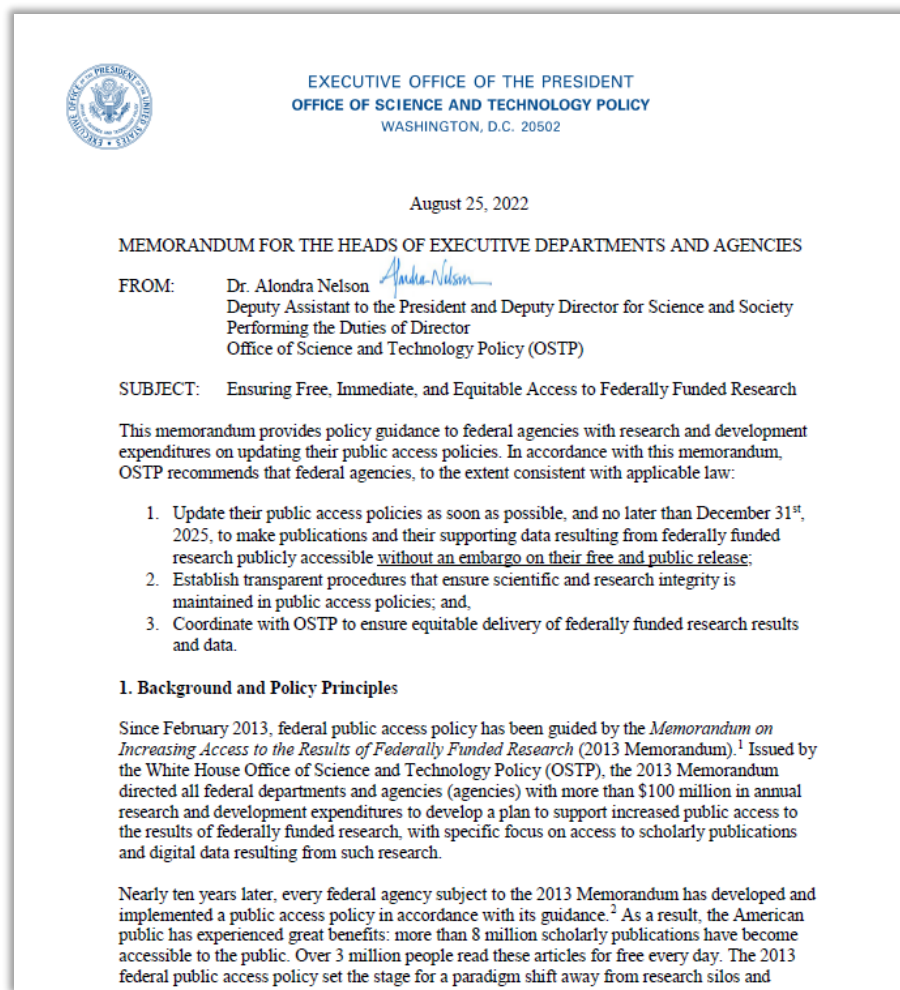


Public Access Progress



2022 OSTP Public Access Memo

- August 25th, 2022, Memo to Heads of Departments and Agencies – [Ensuring Free, Immediate, and Equitable Access to Federally Funded Research](#)
- Building on 2013 OSTP, 2022 memo defines requirements for:
 - 1) Scholarly publications
 - 2) Scientific data
 - 3) Persistent identifiers (PIDs)



Scholarly Publications

- Plan will address immediate access to scholarly publications upon their publication.
- Plan will designate an agency repository for peer-reviewed scholarly publications.
- Plan will address mechanisms researchers will use to provide metadata and peer-reviewed publications to DOE.
- Plan will address appropriate re-use rights to scholarly publications under existing copyright law.

Scientific Data

- Plan will update DOE data management principles and Data Management Plan (DMP) requirements to reflect new OSTP Memo guidance.
- Plan will address making data associated with publications, and other data created with DOE funding, publicly available.
- Plan will allow for flexibility to enable DOE sponsoring research offices to apply requirements in a manner aligned with their mission.
- Plan will address review and evaluation of DMPs and associated budget for implementation.

Persistent Identifiers

- Plan will address mechanisms and systems that will be used to collect and make publicly available publication and data records with associated metadata.
- Plan will address assigning, collecting, and associating PIDs for authors, organizations, awards, and research outputs.
- Plan will address instructing researchers to obtain PIDs for themselves.
- Plan will acknowledge need to assign PIDs to all R&D awards.

Next Steps

- DOE Public Access Plan is moving through DOE concurrence process.
- OSTP and OMB are reviewing the Plan.
- DOE will post the Plan on energy.gov and conduct outreach/communications with DOE communities.
- Feedback from those communities will be incorporated into DOE policy development.
- DOE will revise existing and/or develop new policies and guidance for plan implementation in accordance with timeframes expressed in the OSTP memo.
- DOE will share new/updated policies in advance and socialize with communities before implementation dates.
- Plan update by December 2024 to address PIDs for awards.

Thank you

Questions?