

# Federal Initiatives Supporting Open Science & Equitable Access

Katie Steen-James

Manager of Public Policy & Advocacy

April 14, 2023

**SPARC\***

**Open in order to . . .**

**SPARC\***



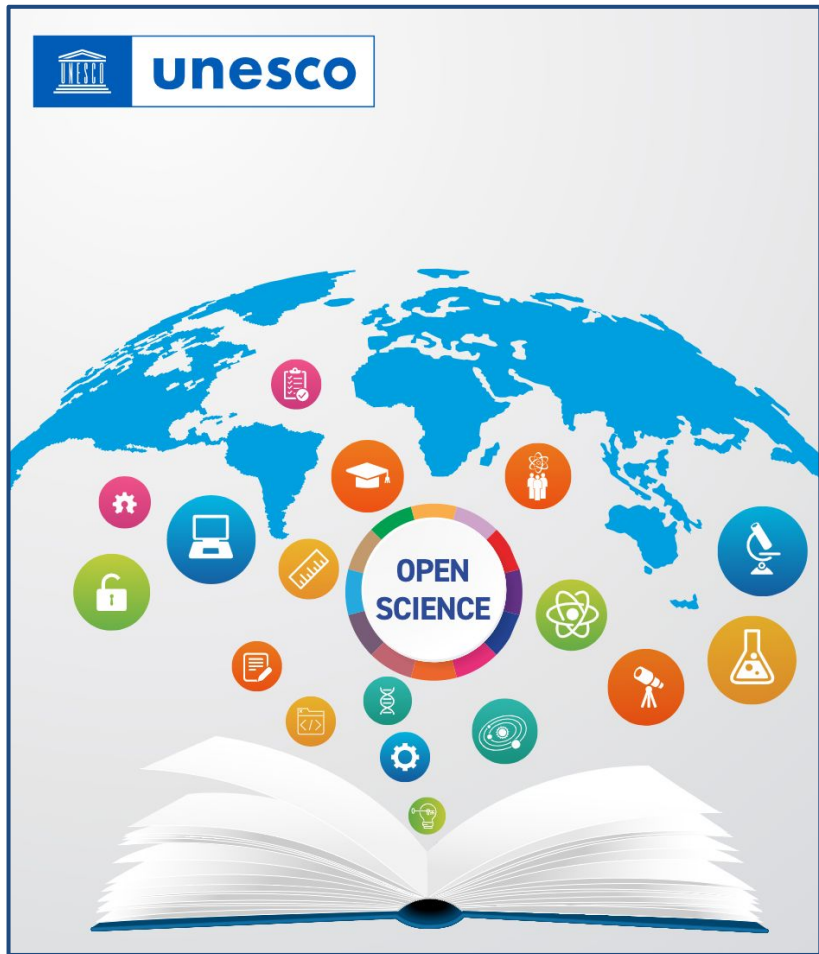
**United  
Nations**

Everyone has the right to freely participate in the cultural life of the community, to share scientific advances and its benefits, and to get credit for their own work.

- Article 27, UN Universal Declaration of Human Rights

# Sharing knowledge is a human right.

Everyone should be able to access and contribute to the knowledge that shapes our world. SPARC supports systems for research and education that are open by default and equitable by design.



# UNESCO Recommendation on Open Science

**SPARC\***

## VALUES

Quality and integrity

Collective benefit

Equity and fairness

Diversity and inclusiveness

OPEN  
SCIENCE

## PRINCIPLES

Transparency, scrutiny,  
critique and reproducibility

Equality of opportunities

Responsibility, respect  
and accountability

Collaboration,  
participation and inclusion

Flexibility

Sustainability

On August 25, 2022, the White House Office of Science & Technology Policy (OSTP) issued a memorandum on [\*Ensuring Free, Immediate, and Equitable Access to Federally Funded Research\*](#) calling on federal agencies to make **“articles resulting from all U.S. federally funded research freely available and publicly accessible by default in agency-designated repositories without any embargo or delay after publication.”**

- Calls on agencies to make taxpayer-funded research publications **available immediately**, at no cost to the public, and that they be made publicly accessible **by default in agency-designated repositories**.
- Calls on agencies to make the underlying **data needed to validate** the conclusions of **articles immediately** available at the time of publication.
- Includes new provisions to **improve scientific research integrity**, including making appropriate **metadata** available at the time of publication, and promotes the use of **persistent identifiers** for all research outputs.
- Asks agencies to **reduce inequities in both the publishing of and access to** federally funded research publications and data, especially among individuals from underserved backgrounds and those who are early in their careers.



# Covering Costs for Publications and Data

“...in consultation with OMB, federal agencies should allow researchers to include **reasonable publication costs** and costs associated with submission, curation, management of data, and special handling instructions as allowable expenses in all research budgets...”

**The memo does not say that a researcher or institution must pay an article processing charge (APC) to comply with an agency public access plan.**



## Advancing the Promise of Open Science: We Want to Hear from You!

By Patti Brennan, Nina Schor, Susan Gregurick, Lyric Jorgenson and Mike Lauer

Posted February 21, 2023

0 Comments

f Share

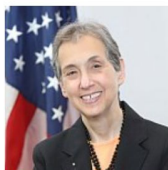
Twitter Tweet

Share

*This blog has been co-authored with Dr. Patti Brennan (Director, National Library of Medicine); Dr. Nina Schor (NIH Deputy Director for Intramural Research); Dr. Susan Gregurick (NIH Associate Director for Data Science); and Dr. Lyric Jorgenson (Acting NIH Associate Director for Science Policy). Originally posted on the [Under the Poliscope blog](#).*



Dr. Patti Brennan



Dr. Nina Schor

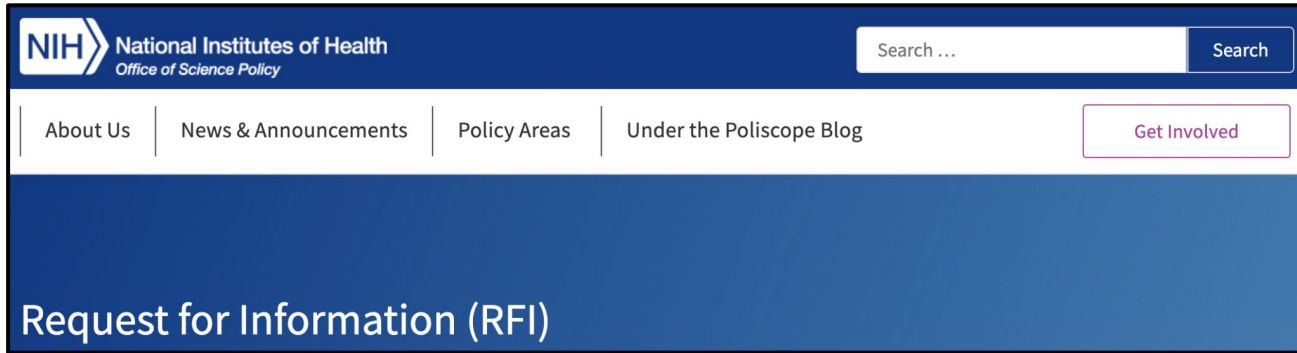


Dr. Susan Gregurick



Dr. Lyric Jorgenson

Comments on the NIH Public Access Plan will be accepted until **11:59 PM on April 24, 2023.** Comments can be submitted via the online portal



“While comments are welcome on all elements of the NIH Public Access Plan, input would be most welcome on Section III related to scholarly publications and on the particular issues identified below.”

1. How to best ensure equity in publication opportunities for NIH-supported investigators.
2. Steps for improving equity in access and accessibility of publications.
3. Methods for monitoring evolving costs and impacts on affected communities.
4. Early input on considerations to increase findability and transparency of research.

## NIH's Draft Public Access Plan

- Manuscript deposit is the most affordable and equitable compliance mechanism because it is free for the investigator to deposit
- Must ensure researchers can secure full reuse rights for their author's accepted manuscript



# Science.gov

*Your Gateway to U.S. Federal Science*

[Home](#) [About](#) [STEM Opportunities](#)

## 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**  
**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**

# 2023 Year of Open Science!

[open.science.gov](https://open.science.gov)

**SPARC\***

# The Year of Open Science Goals

1. Develop a strategic plan for open science
2. Improve the transparency, integrity, and equity of reviews
3. Account for open science activities in evaluations
4. Engage underrepresented communities in the advancement of open science

[nasa.github.io/Transform-to-Open-Science](https://nasa.github.io/Transform-to-Open-Science)

**SPARC\***

# For Researchers

[Overview](#) [FAQ](#) [Solicitations](#) [SMD Bridge Program](#) [ROSES Blog](#) [NAC Science Committee](#) [NASA Postdoc Program](#) [Moi](#)

## Science Information Policy

The information produced as part of NASA's scientific research activities represents a public trust to increase the availability of this information, including publications, data, and software, as a public trust to increase the availability of this information. This is Science Mission Directorate (SMD) policy, consistent with NASA and Federal policies. SMD-funded scientific research activities be made publicly available.

SMD has released [SPD-41a: Scientific Information Policy for the Science Mission Directorate](#) to provide guidance on the open sharing of publications, data, and software created in the pursuit of scientific knowledge. SPD-41a builds upon the core principles of openness, equity, and security for SMD-funded research.



- Peer-reviewed publications are made immediately openly available via deposit of final accepted manuscripts in a NASA-approved repository (PubSpace).
- Research data and software are shared openly at the time of publication or the end of the funding award, and in a citable manner.
- Unrestricted mission software is developed openly.
- Science workshops and meetings are held openly to enable broad participation.



# FEDERAL REGISTER

The Daily Journal of the United States Government



U.S. Department of Transportation

## Increasing Public Access to the Results of USDOT-Funded Transportation Research

A Notice by the [Transportation Department](#) on 03/28/2023



Comments on this document are being accepted at [Regulations.gov](#).

[SUBMIT A FORMAL COMMENT](#)

2 comments received. [View posted comments](#)

### PUBLISHED DOCUMENT

Issue Date: March 23, 2023.

#### AGENCY:

Office of the Secretary (OST), Department of Transportation (DOT).

#### ACTION:

Notice; request for information.

### DOCUMENT DETAILS

#### Printed version:

[PDF](#)

#### Publication Date:

03/28/2023

#### Agencies:

[Department of Transportation](#)  
[Office of the Secretary](#)

# SPARC\*



# Equitable Access

A Vision for Equitable Data

# Recommendations from the Equitable Data Working Group



PROGRESS ON IMPLEMENTATION OF THE  
RECOMMENDATIONS OF THE  
EQUITABLE DATA WORKING GROUP

*A Report by the  
Subcommittee on Equitable Data  
of the*

NATIONAL SCIENCE AND TECHNOLOGY COUNCIL

“Build Capacity for Robust Equity Assessment for Policymaking and Program Implementation”

**SPARC\***

**Thank you!**  
**katie@sparcopen.org**

**SPARC\***