Division of
RESEARCH

Clemson University

NIH DATA MANAGEMENT AND SHARING POLICY
Effective January 25, 2023
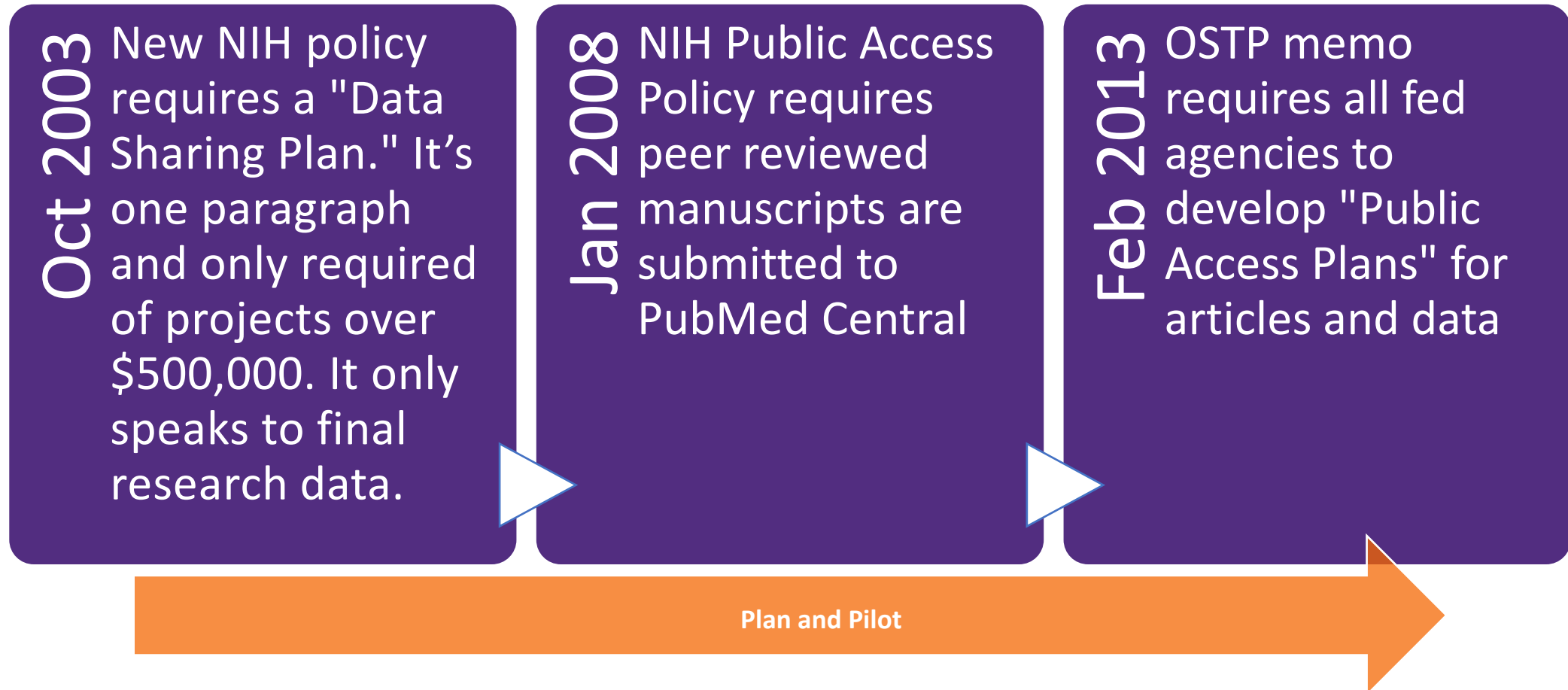
Sheila Lischwe
Office of Sponsored Programs
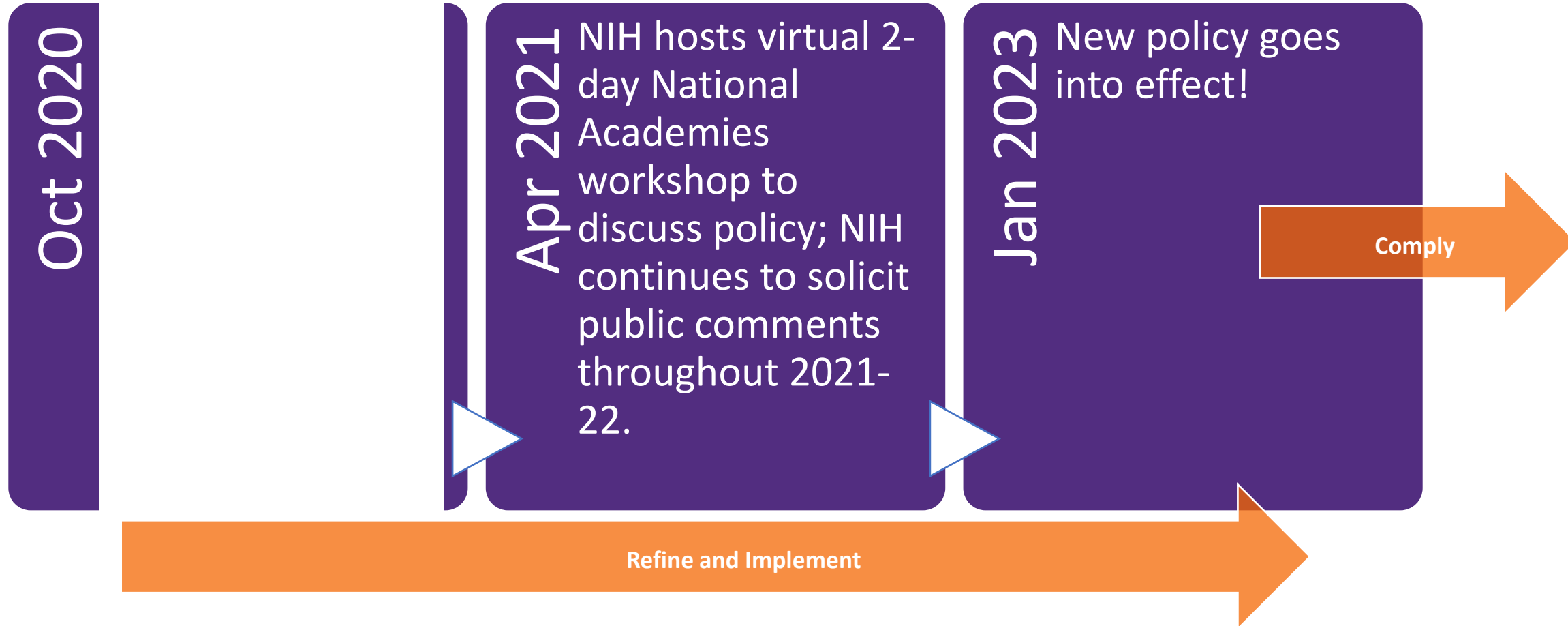
Megan Sheffield
Cooper Library

How did we get here?

Oct 2003 New NIH policy requires a "Data Sharing Plan." It's one paragraph and only required of projects over $500,000. It only speaks to final research data.

Jan 2008 NIH Public Access Policy requires peer reviewed manuscripts are submitted to PubMed Central

Feb 2013 OSTP memo requires all fed agencies to develop "Public Access Plans" for articles and data

Plan and Pilot

Division of
RESEARCH

How did we get here?

Oct 2020

Apr 2021 NIH hosts virtual 2-day National Academies workshop to discuss policy; NIH continues to solicit public comments throughout 2021-22.

Jan 2023 New policy goes into effect!

Comply

Refine and Implement

Division of RESEARCH

What's Changing?

- **All** NIH application submissions due on or after January 25, 2023 that will **generate research data** will need a Data Management and Sharing Plan at time of application and in progress reports

- Funds can be budgeted for repository costs to share data

- PIs and institutions must comply with the plan as proposed and accepted by NIH during and after the award concludes

- Plans are reviewed by NIH staff; not included in peer review

What counts as "data?"

"Scientific data is the recorded factual material 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.
Scientific data do not include laboratory notebooks, preliminary analyses, completed case report forms, drafts of scientific papers, plans for future research, peer reviews, communications with colleagues, or physical objects, such as laboratory specimens."

From "Final NIH Policy on Data Management and Sharing" NOT-OD-21-013

Division of
RESEARCH

What's a "Data Management & Sharing Plan?"

- Commonly referred to as a "DMP" or "DMSP"
  - **NOT** the same as the internal DMP you may have done for CCIT and institutional data!

- Component of your NIH grant proposal, max 2 pages

- Outlines how you will:
  - Manage your raw research data
  - Preserve it long term
  - Share it with other researchers

Division of
RESEARCH

Outline of a DMSP

- Data Types
  - What exactly are you generating? Which parts will be preserved and shared?
  - What associated data will you provide to facilitate interpretation and reuse?

- Related Tools, Software, & Code
  - Will any special tools or specific software be necessary to support replication or reuse? How can these tools or software be obtained?
  - Is there any custom code necessary to replicate findings?

- Standards
  - What standards (data formats, metadata, identifiers, definitions, etc) will be applied to your data?

Outline of a DMSP, continued

- Data Preservation, Access, & Associated Timeline
  - Which repository have you selected as an archival home for your data?
  - How will others find it? Will it have a DOI or other identifier?
  - When will it be available to the public, and for how long?

- Access, Distribution, & Reuse Considerations
  - What factors will affect access?
  - Will access be controlled, and how?

- Oversight of Data Management & Sharing
  - How will compliance with this plan be monitored? Include frequency and titles/roles as appropriate.

What about the costs?

Allowed

- Formatting to standards
- Developing documentation
- Transmission to or storage at a repository
- De-identifying data
- Local data mgmt costs
- Preparing metadata
- Curating data

Not Allowed

- F&A
- Costs associated with access to data sets
- Costs that are inconsistent or double charged

Division of
RESEARCH

How do I select a repository?

Generalist Repositories (GREI)

Ex: Figshare, Dryad, Dataverse, OSF, Mendeley Data, Vivli

NIH-Supported Repositories

List of NIH's official domain-specific data repositories

Re3data.org

Can't find something that fits quite right? Search this database of other repositories

Compliance matters!

- **$20.2M** Clemson funding from NIH in FY22

- **43** Awards to Clemson PIs in FY22

- **ALL** new NIH awards will need DMSPs

Division of **RESEARCH**

Resources

DMPTool: https://dmptool.org/ (Log in with Clemson credentials, can send directly to me for review)

Clemson Library Data Services can help with:

- Select a repository
- Publishing your data
- Help writing a DMSP/DMP
- Metadata assistance
- DOI/ORCID support

Any questions?

Megan Sheffield

Interim Head of Open Scholarship

Data Services Librarian

msheff@clemson.edu

864-656-5185

Sheila Lischwe

Director of Sponsored Programs

slischw@clemson.edu

864-656-0814

Division of
RESEARCH