Navigating the NIH Data Management and Sharing Policy (DMSP): Tools for CU Researchers

https://cu-boulder-crddds.github.io/nih_dmsp_primer/

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Introduction: The NIH DMSP

- Goes into effect in January 2023
- Three components to DMSP, corresponding to different stages of project lifecycle
  - **When applying for NIH grant**: Data management and sharing plan (DMS Plan)
  - **During NIH project**: Implement data management best practices as you carry out your research
  - **After project concludes**: Share your data by publishing it in a public repository
Center for Research Data and Digital Scholarship

- CRDDS is a partnership between Research Computing and the University Libraries with the mission of enhancing data and digital collaboration with the CU Community.
- We can provide you with guidance on how to fulfill all of the NIH DMSP requirements
Writing a Data Management and Sharing (DMS) Plan

- DMS Plan
  - Short document (~ 2 pages) that describes your plans for collecting, organizing, storing, and eventually disseminating the data that underlies your published research
  - Offers researchers the opportunity to think intentionally about data management and sharing strategies
  - NIH DMS plan is very similar in spirit to data management plans required by the NSF
Writing a Data Management and Sharing (DMS) Plan, cont’d

- NIH DMS plan template is still being finalized:

- Main sections:
  - Data types
  - Related software and code
  - Metadata standards and data documentation strategy
  - Access, redistribution, or reuse considerations
  - Monitoring and compliance
Writing a Data Management and Sharing (DMS) Plan, cont’d

- Easiest way to generate DMS Plan is to use DMPTool
  - https://dmptool.org/
  - Brief demonstration
Data Management During a Project

● Data storage
  ○ OneDrive (free)
  ○ PetaLibrary ($45/TB/year)
  ○ Large file transfer service (free)

● CRDDS trainings on data management best practices and tools
  ○ [https://www.colorado.edu/crdds/events](https://www.colorado.edu/crdds/events)

● CRDDS individual consultations
  ○ crdds@colorado.edu
  ○ Consult Hours (Tuesdays 12:00-1:00; Thursdays 1:00-2:00)
Data Sharing

- At the conclusion of an NIH project, data must be shared with the broader scholarly community via a public data repository
  - Not acceptable to say data will be shared upon “request”
- Privacy and ethical issues related to sharing
  - Data may have to be anonymised or de-identified before sharing in a repository (discuss in DMS Plan, and IRB protocol)
  - In some cases, restricted-access repositories may help you successfully balance privacy considerations with sharing requirements
Data Sharing, cont’d

- Numerous repository options available
  - General data repositories
  - Disciplinary repositories
  - Institutional repositories

- Exploring possible repositories for your work:

- CRDDS can advise on repository options
Data Sharing @ CU

- CU Scholar (CU Boulder’s institutional repository)
  - [https://scholar.colorado.edu/](https://scholar.colorado.edu/)

- Policies and Submission instructions
  - Dataset policy: [https://scholar.colorado.edu/terms](https://scholar.colorado.edu/terms)
  - Submission: [https://scholar.colorado.edu/about](https://scholar.colorado.edu/about)

- Costs
  - Free if your data is less than 500 GB
  - More than 500 GB: $450/terabyte deposit fee

- Example landing pages
  - [https://doi.org/10.25810/mzt8-w960](https://doi.org/10.25810/mzt8-w960)
  - [https://doi.org/10.25810/y1f2-j085](https://doi.org/10.25810/y1f2-j085)
Questions? Comments? Suggestions?

We want to hear from you! Email: crdds@colorado.edu

Join our mailing list: https://lists.colorado.edu/sympa/info/crdds-news

Thank you!