Research Data Services Provided by the University Libraries

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Context - Evolving Data Management Requirements

- Data Management Plans
- Data Sharing Requirements
- Institutional Review Board (IRB) Protocols
- Interdisciplinary Collaborative research
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- Data Management Plan Requirements from funding agencies (e.g. DOE, NASA, NSF, NEH, USGS)
- Data Sharing requirements from funding agencies and publishers (e.g. OTSP, The Royal Society, PLOS|One)
- Institutional Review Board (IRB) Protocol requirements for explicitly defining how collected data will be managed, de-identified, shared, and/or destroyed along with expected risks
- Interdisciplinary collaborations, research, and networks require efficient sharing of data within and across research teams and domains
- Data intensive research magnifies inefficiencies in data management, increasing the need for effective data management

Services

- Consultation & Support
  - Data Management Planning
  - Reference Services
  - Data Management
  - Instruction & Training
Notes  

Data Management Planning Support

We are here to help research teams develop the most effective plans for managing their research data and in developing the written data management plans that most funding agencies now require as part of funding proposals submitted for their consideration.

- Data formats
- Data collaboration, storage and backup strategies
- Documentation strategies and standards
- Research area-specific repositories & archives
- Strategies for meeting publisher data sharing requirements
- Developing agency-specific Data Management Plans

Data Reference Support

Working in data intensive research areas often requires access to data developed and shared by others. The Research Data Services team in the University Libraries is here to help you in your research activities.

- Locating data for use in proposals, pilot or research projects and instructional programs
- Evaluation of alternative data management tools, technologies and strategies
- Identifying both on- and off-campus collaborators

Data Management Support

Effective research data management requires thinking about what the entire workflow from initial data acquisition, through analysis and visualization, to publication and sharing looks like. The RDS team in UNM’s Libraries is here to help in supporting your end-to-end data management process.

Recommendations for:
• data management strategies & workflows
• analysis tools and technologies
• visualization tools and technologies
• strategies for meeting computational and data intensive research needs

Integration of research data products into the UNM Digital Repository, including batch import of large data collections

Support for integration of research data into other repositories

Instruction and Training

Research data management is a continuously evolving discipline in which continuous learning and practice of new skills and strategies is the norm. UNM’s RDS team works very hard to stay abreast of ongoing developments in the field and is provides training and instruction for classes, lab groups and individuals in a wide variety of subject areas.

Credit courses:

• Introduction to Spatial Data Management (OILS 515)

General and Custom Data Management Training Sessions:

• data management first principles
• data documentation (metadata)
• collaboration tools (LoboDrive & LoboGit)

LoboDrive - Collaborative Data Management

http://lobodrive.unm.edu

LoboDrive is a collaborative environment for data sharing and management during the research process. It supports:

• Multiple methods of interaction: web, WebDAV, desktop client
• Encrypted and backed up using UNM IT backup services
• Secure transmission between client and server
• Supports collaboration between both UNM and non-UNM users

LoboGit - Collaborative Code Development

http://lobogit.unm.edu

LoboGit is a collaborative environment for shared software code development based on the Git version control system. It supports:

• Synchronization between local and hosted repositories
• Issue tracking/comments at the level of individual files
• Wiki for developing shared documentation for collaboration groups

UNM Digital Repository - Preservation and Sharing

http://digitalrepository.unm.edu/

The UNM Digital Repository is UNM’s Institutional Repository for archival storage of research data, publications, documents, and documentation. It supports:

• Portal interface for discovery and access of collections of documents/data
• Support for permanent identifiers enabling citation of data/documents Indexed by Google Scholar
• Public and access-controlled collections
Resources

- Research Data Services Research Guide - libguides.unm.edu/data
- Contact the Research Data Services Team - RDS@unm.edu
- Contact me - kbene@unm.edu
- Infrastructure
  - LoboGit - lobogit.unm.edu
  - LoboDrive - lobodrive.unm.edu
  - UNM Digital Repository - digitalrepository.unm.edu