Research Support at University of North Carolina at Greensboro:
Research Support Without a Research and Data Support Coordinator

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## Why Reassess Data Services?

- Substantial population – Over 17,000 students and 2,500 faculty and staff
- Substantial activity - Carnegie “high research” classification, $35 million in grants awarded annually
- Increase in data management plan requirements from funding agencies
- 2013 Faculty Research Survey showed unmet faculty needs:
  - Data storage
  - Meeting requirements for data sharing
  - Assistance with DMPs
  - Cost estimates for data storage and retrieval
  - Applying metadata to research data
- Loss of dedicated Data Support Librarian position
Consulting with Faculty but more passive- done when requested. Raising awareness by attending and presenting at departmental faculty meetings. Odum Institute has partnership with NC Docks- allows storage of data.
Meetings with Departments

- Liaisons met with individual departments to determine:
  - Data management needs
  - Storage and archival practices
  - Data Management Plan procedures
- Many need help with:
  - DMPs and DMP tools
  - Data storage suggestions/space
  - Identifying available internal and external services
  - Best practices in storage/naming conventions
Questions on Data Support for Science Departments

- What kinds of secondary data do you need/use, and have you had any issues finding or using it?
- What kinds of format/data types are you using? (e.g., images, spreadsheets, databases, genetic data, etc.)
- About what size are these data sets you produce? Giga bytes? Tera bytes?
- Where do you store data during the project? How often are backups made?
- What methods do you use to organize the data?
- Where do you store data after the research is completed?
- How long do you plan to keep your data?
- Do your funding agencies require data management plans?
- Are you involved in the generation of data management plans? If so, do you use any kind of data management plan tools?
- Who else assists faculty and researchers in your department?
- Do you share your data inside/outside the institution? If so, how do you do it? If not, why not?
- What services can the library provide?
Train/educate fellow liaisons about the support services likely to be available and the needs of their researchers so that they can be point people for their assigned liaison units. Lynda and Anna planned next tier of support. In planning process.
## Data Services: Research Data Management: Home

### Guide to assist with the research data management process

**Menu Options:**
- Home
- Creating a data management plan
- Data storage
- Sharing & archiving your data
- Finding Data

### UNCG Contacts

- **Lynna Kellam**
  - Contact Lynna for questions about this guide, general guidance on CRISP setting, or questions about archiving your data.

- **Office of Sponsored Programs**
  - Contact for assistance with the submission of requests to the major grant funding agencies. The office will provide assistance with DMP development based on your funding agency's requirements.

- **Information Technology Services**
  - Contact for assistance with data storage through UNCG's network or the Cloud storage solutions.

- **School of Health and Human Sciences**
  - For HHS faculty only. Contact for assistance in pre-award proposal development, including IRBs.

- **School of Nursing**
  - For Nursing faculty only. Provides assistance in pre-award grant applications.

- **Library Liaisons**
  - Your Library Liaison may be able to provide general guidance on data management.

### Welcome to the Research Data Management Guide

Data management is the process of managing your data before, during, and after a research project. Effective management of your data ensures that your research is secure, promotes the reuse of your data by other researchers, and ensures compliance with federal guidelines.

Research data can be produced through any systematic collection of information for the purpose of analysis. Data may take many different forms, including images, video, sound files, or textual data.

This guide lists resources available at UNCG for managing your data. If you have questions about any of these resources, please contact Lynna Kellam, the Data Services Librarian. You may also make an appointment for a consultation.

**Tip: Uncover More Impact**

For information about acquiring data sets for secondary data analysis, please see the Data Services: Finding Data guide.

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### Tutorials on Data Management

**Lesson 1: Introduction to Data Management**

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Embargos vital for protecting research, dichotomy between need to keep research in a silo and funding requirements of agencies. Mention Box, which is IN PROCESS. IRB, grants, and "research computing" (ITS already offers consultations to researchers about their computing needs) Substantial staff time and expertise needed to meet some of the data support needs expressed by faculty.
Conclusions

- Data services increasingly important to researchers
- Must assess researcher needs before implementing data support services
- Identify/partner with internal and external entities
- Liaisons can play vital front line advisory role
- Service model must be sustainable
- Keep in mind that health sciences researchers have additional legal and ethical challenges in sharing data
Thank you!

Questions?
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