

# Research Data Support at UNCG: A Metadata Perspective



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# UNC Greensboro

- Public, four-year research university
- One of seventeen campuses in the UNC System
- FTE is 18,500



# UNCG University Libraries

- Collections:
  - 2.8 million items (books, govdocs, and microforms)
  - 42,666 electronic journals
  - 250+ electronic databases
- Collection strengths:
  - Local and regional history
  - Music/performing arts
  - University history
  - Women's history
- Staff:
  - Approximately 90 FTE
  - 30 tenured or tenure-track faculty



# We build things



## UNCG BORN-DIGITAL RECORDS MANAGEMENT



### WT Cox Subscriptions Acquires Journal Finder From UNCG

WT Cox Subscriptions ([www.wtcox.com](http://www.wtcox.com)) has entered into an agreement to purchase Journal Finder from The University of North Carolina Greensboro (UNCG; <http://journalfinder.uncg.edu/uncg>). Journal Finder, the first OpenURL Link Resolver to go into production in the U.S., gives library patrons easy access to the electronic resources to which a library subscribes. Journal Finder was created and designed and has been maintained by the Electronic Resources and Information Technology staff of UNCG.

# Overview

- Why?
- What?
- Who?
- How?

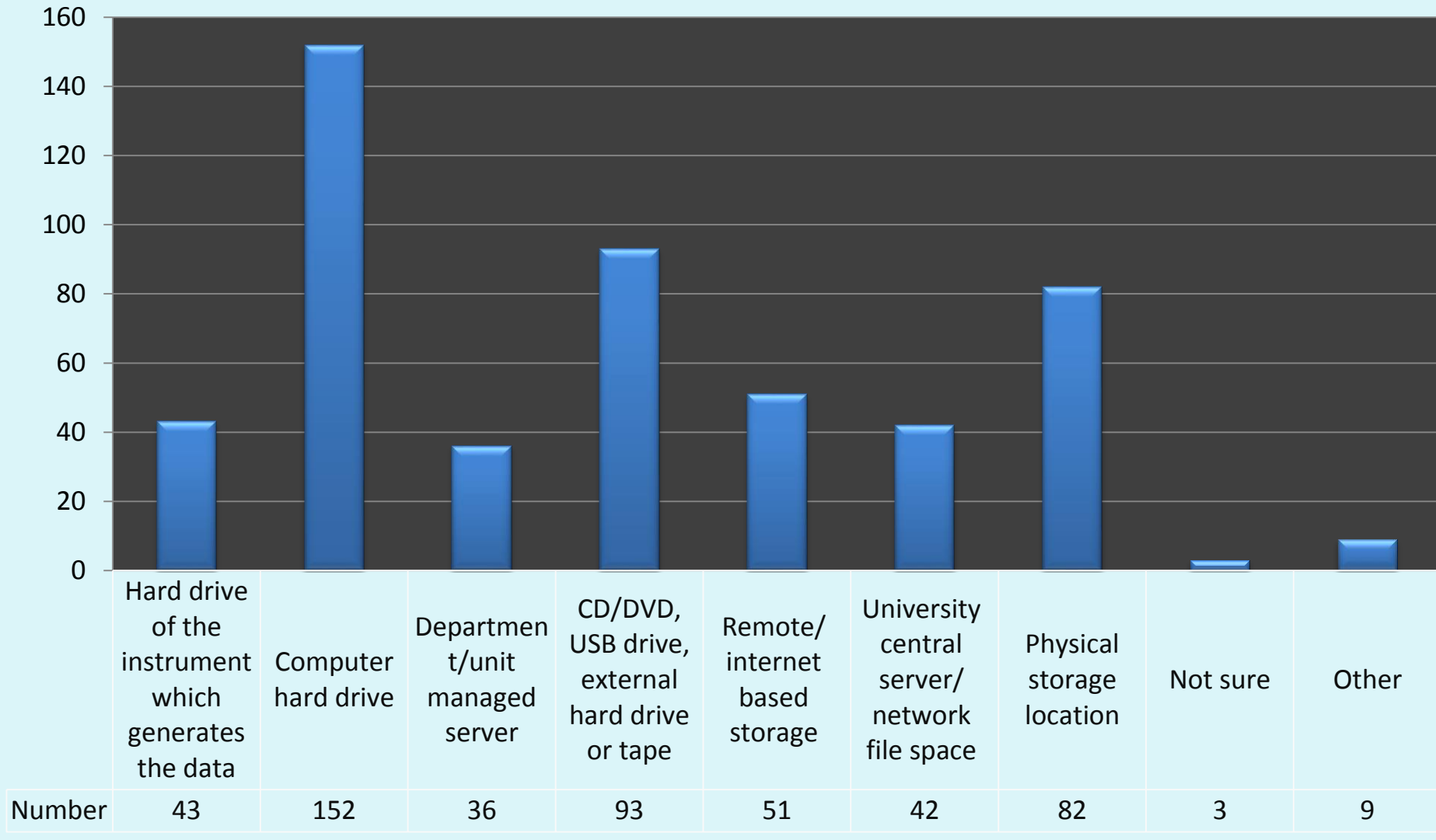


# Why research data management? And why the libraries?

- The Libraries are already in the business of preserving, providing access, and supporting faculty research.
- Culture of support for open access, desire to extend those offerings.
- Demonstrated need on campus.
  - Survey results
  - Requests from faculty
- Funder requirements (NSF, NIH, and other granting agencies).



## Locations for Storing Data



From UNCG Faculty Research Data Support Needs Survey report,  
October 2013

# We're part of a bigger picture

Other partners in campus research data management services:

- Office of Sponsored Programs
- Information Technology Services
- Departmental programs
  - School of Health and Human Sciences
  - School of Nursing



UNCG



# What do we do?

- Educate about data and data management.
- Assist in creation of data management plans.
- Provide an option for sharing and archiving data (NC DOCKS/ Odum Institute partnership).
- Connect researchers to other (non-library) services.

[University Libraries](#) / [Research Guides](#) / [Data Services: Research Data Management](#) / [Home](#)

Data Services: Research Data Management: Home

Guide to assist with the research data management process

[Home](#)

[Why Data Management?](#)

[Creating a data management plan](#)

[Data storage](#)

[Sharing & archiving your data](#)

[Finding Data](#)

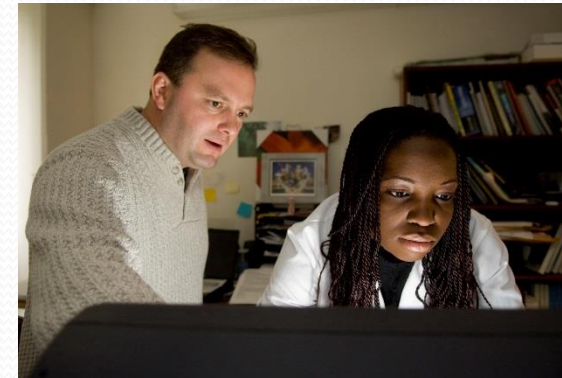
<http://uncg.libguides.com/RDM>

# Library roles

- **Cataloging Department**
  - Sets metadata policies and creates documentation.
  - Training, training, training.
- **Research, Outreach, and Instruction Department**
  - Provides outreach, publicity, and faculty relations, including assistance with DMPs.
- **Electronic Resources and Information Technology Department**
  - Manages NC DOCKS server, develops and supports NC DOCKS product, including integration with Dataverse.

# Whom do we support?

**Students, faculty, and staff.**



# UNCG's research data partnership



# NC DOCKS at a glance

- Open access
- Home-grown system
- Collaborative group
- Faculty, staff, and student works
- Articles, presentation slides, ETDs, audiovisual materials, and more
- Discovery via Google



## Browse All

Titles

Author By Last Name

Keywords

Departments

## Theses & Dissertations

Titles

Author By Last Name

Advisor By Last Name

Keywords

Type

Degrees By Discipline

## Submissions

Faculty Submissions

Student Submissions

Research Data

## NC DOCKS

Search Repository

UNCG

Search

### :: Most recent additions

[Knowledge spillovers, collective entrepreneurship, and economic growth: the role of universities](#) by [Leyden, Dennis P.](#) and [Link, Albert N.](#) (2013)

[Regional Appropriation of University-Based Knowledge and Technology for Economic Development](#) by [Leyden, Dennis P.](#) and [Link, Albert N.](#) (2013)

[Contrasting Professional Development and Continuing Education Opportunities for Library Professionals: Offerings Both within and Outside the Profession](#) by [Bradshaw, A. Kathy](#) (2013)

[Effects of acute exercise on long-term memory](#) by [Etnier, Jennifer L.](#) and [Labban, Jeffrey](#) (2011)

[Fossil GPS](#) by [Anemone, Robert](#) (2014)

[Are Female Supervisors More Female-Friendly?](#) by [Gicheva, Dora](#) (2014)

["Interpreting Mozart: The Performance Practice of his Piano Pieces and Other Compositions"](#) by [Eva Badura-Skoda](#) and [Paul Badura-Skoda](#) by [Willis, Andrew](#) (2009)

[Racial awareness: effects on justice perceptions and trust in management in the USA](#) by [Buttner, Eleanor "Holly"](#) (2015)

[Community collections: Exploring three distinct approaches to collaboration and outreach through digitization initiatives](#) by [Gwynn, David](#) (2015)

[Civil Rights, Greenhorns, and other community-based](#)

### :: Featured Item

*Everyday Specific*

[Bell, Jeffrey](#)

Studio Art

UNCG

My thesis is an investigation of sculptures made from everyday things. This body of work was created by combining elements from a variety of functional objects and materials in order to create work th... [View More](#)

# Metadata for NC DOCKS

- Metadata entry is handled in the Cataloging Department
- Harvested by the WorldCat Digital Collection Gateway
- MARC XML export option
- OAI-PMH



Please select an administrative function below.



**Browse All**

Titles

Author By Last Name

Keywords

Departments

**Theses & Dissertations**

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Author By Last Name

Advisor By Last Name

Keywords

Type

Degrees By Discipline

**Submissions**

Faculty Submissions

Student Submissions

Research Data

## Fossil GPS

UNCG Author/Contributor (non-UNCG co-authors, if there are any, appear on document)

[Robert Anemone](#), Professor and Department Head (Creator)

Institution

[The University of North Carolina at Greensboro \(UNCG\)](#)

Web Site: <http://library.uncg.edu/>

**Abstract:** The article focuses on paleontology and discusses how luck has played a big role in many of the world's great fossil discoveries. It also discusses a new technique that improves the odds of finding ancient bones. It reports on the use of modern computer models that look for hidden patterns in satellite images and generate maps of fossils sites, helping fossil hunters narrow their search.

[Fossil GPS](#)



PDF (Portable Document Format)

36 KB

Created on 5/5/2015

Views: 12

### Additional Information

**Publication**

*Scientific American*, 310(5), 46-51

Language: English

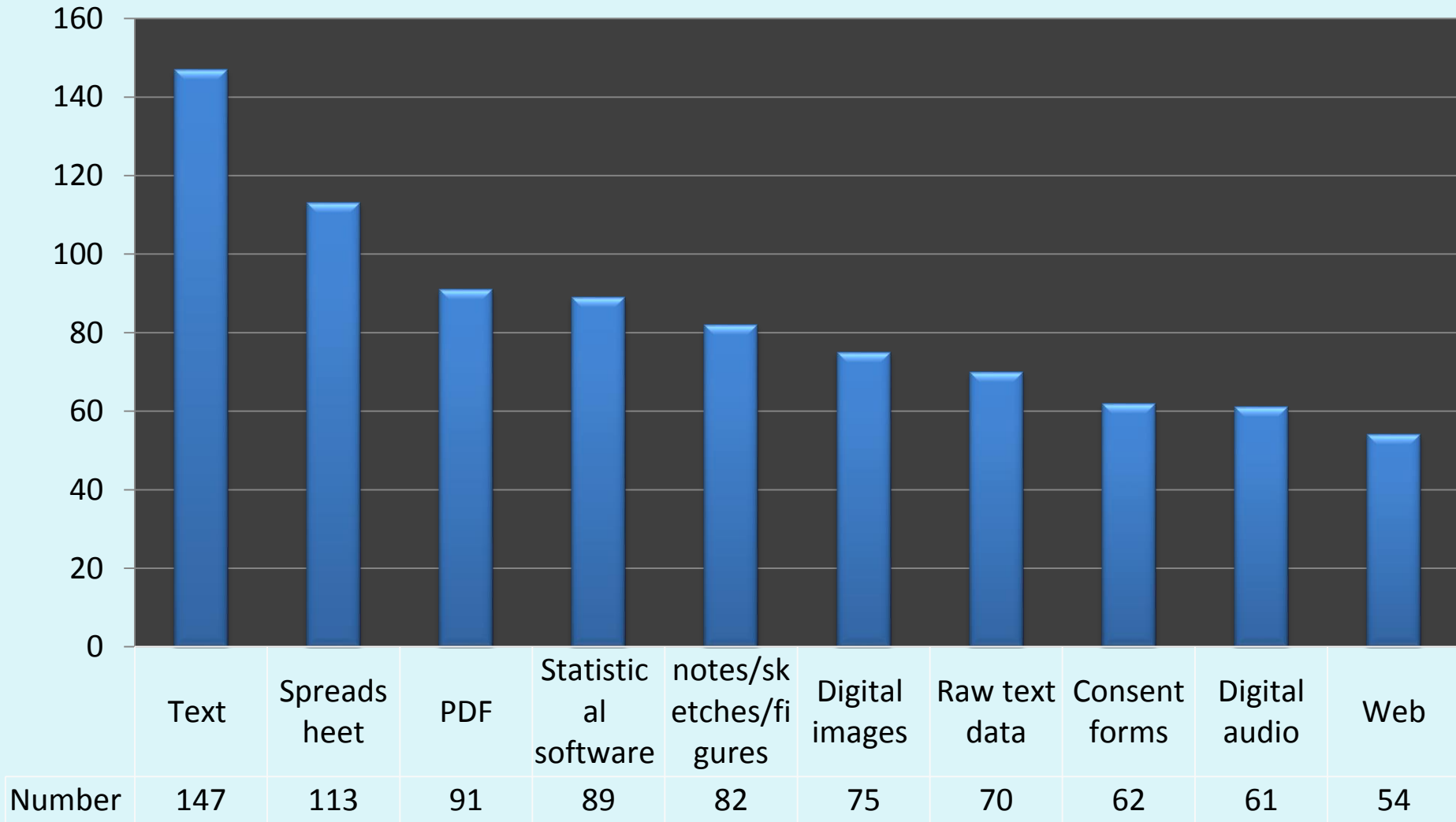
Date: 2014

**Keywords**

[Paleontology](#), [Computer simulation](#), [Remote-sensing images](#), [Fossils](#), [Paleoarchaeology](#)



## Top 10 Research Data Formats



From UNCG Faculty Research Data Support Needs Survey report,  
October 2013

**Browse All**

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**Theses & Dissertations**

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- Advisor By Last Name
- Keywords
- Type
- Degrees By Discipline

**Submissions**

- Faculty Submissions
- Student Submissions
- Research Data

## University of North Carolina at Greensboro University Libraries LibQual+ results

**UNCG Author/Contributor (non-UNCG co-authors, if there are any, appear on document)**  
Kathryn Crowe, Associate Dean for Public Services (Creator)

**Institution**  
The University of North Carolina at Greensboro (UNCG)  
Web Site: <http://library.uncg.edu/>

**Abstract:** This LibQual+ library survey data was collected by the Association of Research Libraries (ARL) for the University Libraries at the University of North Carolina at Greensboro. Survey respondents were students, faculty, and staff at the University of North Carolina at Greensboro. This data was collected from October 15, 2012 to November 10, 2012. This data set and its associated documentation are available for download. To view and download the file, follow the link below and choose the "Data & Analysis" tab.

### Link to data and documentation

<http://hdl.handle.net/1902.29/11520>

### Additional Information

**Publication**  
Language: English  
Date: 2013

**Keywords**  
Library surveys, Library assessment, gap analysis surveys, Library service quality, Academic library assessment

This item requires:

**Browse All**

- Titles
- Author By Last Name
- Keywords
- Departments

**Theses & Dissertations**

- Titles
- Author By Last Name
- Advisor By Last Name
- Keywords
- Type
- Degrees By Discipline

**Submissions**

- Submissions (Articles, Chapters, and other finished products)
- Submissions (Research Data)

**Help**

- Searching and Browsing

Odum Institute Dataverse Network >

**University of North Carolina at Greensboro Dataverse**

POWERED BY THE **Dataverse Network** PROJECT v. 3.6.2

   [Create Account](#) [Log In](#)

UNIVERSITY OF NORTH CAROLINA AT GREENSBORO UNIVERSITY LIBRARIES LIBQUAL+ RESULTS

hdl:1902.29/11520

Version: 1 – Released: Mon Aug 12 09:30:42 GMT-05:00 2013

**CATALOGING INFORMATION**

[Data & Analysis](#)

[Comments \(0\)](#)

[Versions](#)

**i** If you use these data, please add the following citation to your scholarly references. [Why cite?](#)

Data Citation

Crowe, Kathryn, 2013, "University of North Carolina at Greensboro University Libraries LibQual+ results", <http://hdl.handle.net/1902.29/11520> UNCG University Libraries [Distributor] V1 [Version]

Citation Format  ▾

**Data Citation Details** ▾

Title	University of North Carolina at Greensboro University Libraries LibQual+ results
Study Global ID	hdl:1902.29/11520

# Metadata in two systems

## NC DOCKS

- Holds basic metadata about the data set, as well as a link to Dataverse.
- Data entry by Libraries' personnel.
- Metadata fields controlled and defined by Libraries' personnel.
- Fields are general, to accommodate many types of scholarly works.

## Dataverse

- Holds metadata and the actual data set(s), with option for much more detailed metadata.
- Data entry by faculty member or other user (with support from Libraries, if needed).
- Metadata fields controlled and defined by Dataverse.
- Fields are specific to research data.

# Documentation

Field	Field Part	Dataverse: Required / Recommended / Other	NC DOCKS: Required / Recommended / Other	Dataverse description	DC map	Data field format
Title	NA	Required	Required	Full authoritative title for the work at the appropriate level: marked-up document; marked-up document source; study; other material(s) related to study description; other material(s) related to study. The study title will in most cases be identical to the title for the marked-up document. A full title should indicate the geographic scope of the data collection as well as the time period covered. Title of data collection (2.1.1.1) maps to Dublin Core Title element. This element is required in the Study Description citation.	Title	text box - free
Subtitle	NA	Other	Other	A secondary title used to amplify or state certain limitations on the main title	none	text box - free
Publication	Citation	Recommended	Recommended	Bibliographic reference that includes author, title, year, and publisher of the publication associated with this study and data. Use any standard bibliographic format.	none	text box - free
Publication	Replication data for Original Publication	Recommended	Recommended	This will apply "Replication Data for:" to your title	none	checkbox

# What we don't do

- Accept legal responsibility for data deposited in NC DOCKS/Dataverse.
- Know the researcher's data/research area as well as they do.
- Store private/confidential/sensitive data
  - Personal Identify Information
  - Electronic protected health information (ePHI/HIPAA data)





## TERMS OF USE

The User Submissions do not contain information that could, directly or indirectly, identify subject except where the release of such identifying information has no potential for constituting an unwarranted invasion of privacy and/or breach of confidentiality. And for all personally-identifiable information in the data at least one of following conditions applies:

- this information has been previously released to the public;
- this information describes public figures, where the data relates to their public roles or other non-sensitive subjects;
- a sufficient length of time has passed since the collection of the information so that the data can be considered "historic";
- all identified subjects have given explicit informed consent allowing the public release of the information in the dataset;
- all information was collected with an explicit statement concerning the public nature of the data, such as information collected for governmental regulatory purposes;
- or, for federal records (data created by a U.S. federal government agency or under a federal contract) only, all identified subjects are deceased and no federal statute explicitly restricts the release of the data

By clicking the "I agree" checkbox below, I confirm that I have read and understood each and every term set forth in the terms and conditions for the use of data and other materials found above, and I agree to be bound by all of such terms and conditions.

If I do not understand or agree to all of the terms and conditions, I must not use or download any data or other materials.

I agree and accept these terms of use.

Continue

Cancel

# Process

- Researcher contacts liaison librarian.
- Liaison librarian explains our services.
- Liaison librarian contacts Metadata Librarian.
- Further communications with researcher, via email or in-person.
- Metadata Librarian and/or liaison librarian assist researcher in loading materials into Dataverse and completing metadata entry.
- Metadata Librarian completes associated metadata record in NC DOCKS.



# Types of requests

- Informational – **“How can you help me?”**
  - Liaison librarians
  - Researchers
- Technical support – **“This isn’t working.”**
  - Researchers
  - NC DOCKS partners
- Training – **“I need help doing this.”**
  - Liaison librarians
  - NC DOCKS partners
  - Researchers

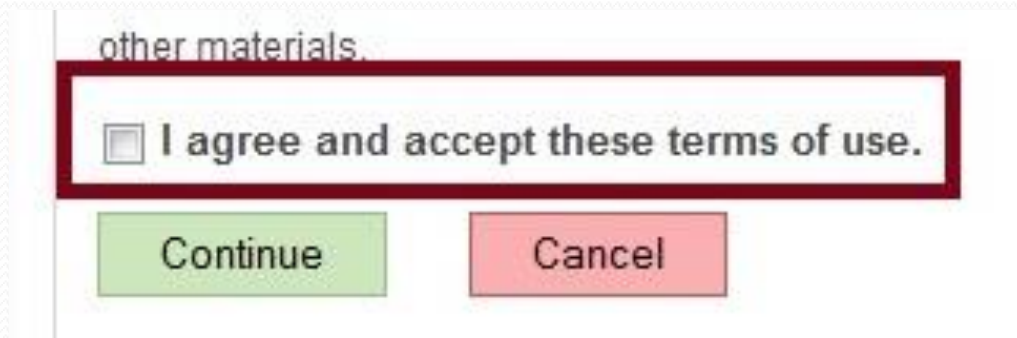
# We aren't the only option

- Dryad
- figshare
- ICPSR
- ...and more!



# Challenges

- Budget / personnel
- Communication and publicity
- Changing expectations/requirements for data management
- “It’s one more thing to do”



other materials.

I agree and accept these terms of use.

Continue Cancel

The image shows a screenshot of a software dialog box. At the top, the text "other materials." is visible. Below it, there is a checkbox followed by the text "I agree and accept these terms of use." The checkbox is currently unchecked. At the bottom of the dialog box, there are two buttons: "Continue" (green) and "Cancel" (red).

# Value

- Strengthen relationships between Libraries, researchers, and scholarly communities
- Meet needs of campus constituencies
- Support new publishing/sharing models
- Demonstrate commitment to open access



# Looking forward

- Continue to follow developments in this area.
- Consider further extension of service offerings when budget allows.
- Publicize services to campus researchers and offer educational opportunities.



Photo by flickr user bengtham  
([CC BY-NC-ND 2.0](#))

# Thank you!

Anna Craft

Metadata Cataloger

[arcraft@uncg.edu](mailto:arcraft@uncg.edu)



**UNCG**  
University Libraries

# Research Data Management Links

- NC DOCKS (Institutional Repository)
  - <http://libres.uncg.edu/ir/uncg/>
- Data management LibGuide
  - <http://uncg.libguides.com/RDM>
- UNCG Faculty Research Needs Survey Report
  - <http://libres.uncg.edu/ir/uncg/listing.aspx?id=16367>
- Scholarly Communications LibGuide
  - <http://uncg.libguides.com/scholarlycomm>
- Odum Institute at UNC Chapel Hill:
  - <http://www.odum.unc.edu/odum/home2.jsp>