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
WT Cox Subscriptions (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

<table>
<thead>
<tr>
<th>Storage Location</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hard drive of the instrument which generates the data</td>
<td>43</td>
</tr>
<tr>
<td>Computer hard drive</td>
<td>152</td>
</tr>
<tr>
<td>Department/unit managed server</td>
<td>36</td>
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<tr>
<td>CD/DVD, USB drive, external hard drive or tape</td>
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</tr>
<tr>
<td>Remote/internet based storage</td>
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<tr>
<td>University central server/network file space</td>
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<tr>
<td>Physical storage location</td>
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<tr>
<td>Other</td>
<td>9</td>
</tr>
</tbody>
</table>

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
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.

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
## NC DOCKS

### Search Repository

<table>
<thead>
<tr>
<th>Search for:</th>
<th>UNCG</th>
<th>Search</th>
</tr>
</thead>
</table>

### 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: Offering Both within and Outside the Profession** by Bradshaw, A. Kahy (2013)
- **Effects of acute exercise on long-term memory** by Ethier, Jennifer L. and Labban, Jeffrey (2011)
- **Fossil GPS** by Anecone, 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 Badura-Skoda and Paul Badura-Skoda (2009)
- **Racial awareness: effects on justice perceptions and trust in management in the USA** by Buttnor, Eleanor “Holly” (2015)
- **Community collections: Exploring three distinct approaches to collaboration and outreach through digitization initiatives** by Gwynn, David (2015)
- **Civil Rights, Grassroots, 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 that... 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
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

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

University of North Carolina at Greensboro Dataverse

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

If you use these data, please add the following citation to your scholarly references. Why cite?


http://arc.irss.unc.edu/dvn/dv/UNCG/faces/study/StudyPage.xhtml?globalId=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

<table>
<thead>
<tr>
<th>Field</th>
<th>Field Part</th>
<th>Dataverse: Required / Recommended / Other</th>
<th>NC DOCKS: Required / Recommended / Other</th>
<th>Dataverse description</th>
<th>DC map</th>
<th>Data field format</th>
</tr>
</thead>
<tbody>
<tr>
<td>Title</td>
<td>NA</td>
<td>Required</td>
<td>Required</td>
<td>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.</td>
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<td>Bibliographic reference that includes author, title, year, and publisher of the publication associated with this study and data. Use any standard bibliographic format.</td>
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<td>Publication</td>
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<td>Recommended</td>
<td>This will apply “Replication Data for:” to your title</td>
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<td>check box</td>
</tr>
</tbody>
</table>
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)
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.
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”
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.
Thank you!

Anna Craft
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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
- Scholarly Communications LibGuide
  - http://uncg.libguides.com/scholarlycomm
- Odum Institute at UNC Chapel Hill:
  - http://www.odum.unc.edu/odum/home2.jsp