

Providing library support throughout the research cycle

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Presentation link: publish.illinois.edu/davidluftig/UD

Overview

The research lifecycle and the ways academic libraries are assisting with research services

Innovative ways academic libraries are supporting faculty and student research

Implementing and extending services within the University of Dayton Libraries that support researchers

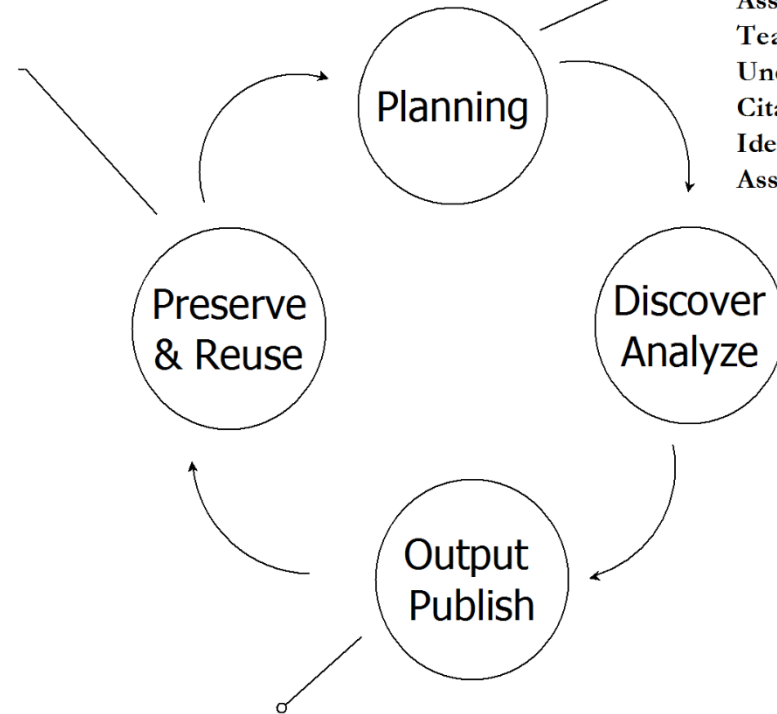
Core functions provided by library research services

- Assistance with the grant proposal process (most notably assistance with data management plans)
- Utilizing data-related services and tools
- Understanding the publication process
- Assistance with managing and organizing research data.

(see Peters & Riley Dryden 2011; Keil, 2014)

The Research Lifecycle and Services Typically Provided By University Research Services

Assuring accessibility of work through documentation and appropriate file formats
Utilizing data repositories that provide long-term preservation services
Utilizing persistent identifiers for researchers and data
Staging materials in institutional and disciplinary repositories
Assisting with preserving analog materials



Identifying grants and research opportunities
Data management planning
Assisting with possible library purchases
Teaching good documentation and description of data
Understanding journal, author, and other research metrics
Citation management strategies
Identifying possible data sources and collaboration opportunities
Assisting with IRB requirements

Assisting in discovering and accessing different types of data
Data management implementation and metadata creation
Utilizing data visualization tools and other library resources
Finding collaborative opportunities

Provide assistance with disseminating work
Exploring journal impact and publishing options
Understanding open source opportunities
Working with publishers to provide access to research data
Managing scholarly identities by utilizing ORCID IDs and other persistent profiling tools

University of Illinois DMP template

The screenshot shows the University of Illinois Library website. The header includes navigation links: About, Libraries & Hours, Using the Library, Help & Services, and Search Tools. The main navigation bar features: Staff, Services, Room Reservations, Floorplans, FAQ, IDEA Lab, Data Management Plans (highlighted), and Course Reserves. The page title is "NSF Data Management Plans" and the sub-header is "NSF Data Management Plan Templates for Engineering at Illinois". There are two download links: "NSF DMP Template (PDF Version)" and "NSF DMP Template (DOCX Version)". A "NSF Data Management Plan Requirement Overview" section follows. On the right, there is a "Hours" section showing "CURRENTLY: OPEN" and "Today Open 24 Hours". Below that is a "Granger Engineering Library Information Center" section with contact information: 1301 West Springfield Avenue, Urbana IL 61801, phone 217-333-3576, and email enginlib@library.illinois.edu. There are "PARKING" and "MAP" buttons. An "Ask a Librarian" section includes a chat button and a message input field. At the bottom, there are social media icons for Facebook, Twitter, and YouTube.

NSF Engineering Directorate Data Management Plan Template

The DMPs for the Engineering Directorate have four required components or elements. We have put together a template document below with suggested text to assist you in constructing the DMP for your NSF proposal. The template document includes example text and instructional comments for each of the four required elements. Our instructional comments are enclosed in brackets [...].

Data Management Plan (DMP) for NSF Proposal [proposal title].

This DMP articulates the data sharing and data reuse techniques and technologies that will be used during the course of this NSF project.

Expected Data

The DMP guidelines state that analyzed data and associated metadata that are or should be published in refereed journal articles, for supplemental data attachments for manuscript, for book and book chapters, and other publications will be archived and made available. The expected data to be generated during the course of this project include: [include all that apply for your proposal]:

- No data will be produced.
- Textual Materials -- Format(s):
- Databases -- Format(s):
- Datasets -- Format(s):
- Spreadsheets -- Format(s):
- Software -- Programming Language(s), operating systems, etc:
- Curriculum Materials -- Format(s):
- Digital Images -- Format(s):
- Audio Format(s) -- Video Format(s):
- Physical Collections:
- Models.

In addition, this project will generate raw instrumentation data from [put in instruments, sensors, etc.]. This data falls under the category of "preliminary analyses" and NSF Data Management Plan guidelines indicate that this is not to be included at the basic level of digital data to be archived.

The expected types of data to be retained will include:
[Specify which of the above data will be retained under the DMP.]

[State here if the proposal involves proprietary or restricted data due to commercialization efforts, membership agreements, licensed materials, and human-subject data].

[Include a statement on the roles and responsibilities of the PIs in the management and retention of research data.]

Period of Data Retention

The data generated for this project will be retained for a period of three years after the conclusion of the award. [The minimum data retention of research data must be at least three years after conclusion of the award or three years after public release, whichever is later. Public

NSF engineering directorate data management plan template

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Textual Materials – Format(s):

Databases – Format(s):

Datasets – Format(s):

Spreadsheets – Format(s):

Software – Programming Language(s), operating systems, etc:

Curriculum Materials – Format(s):

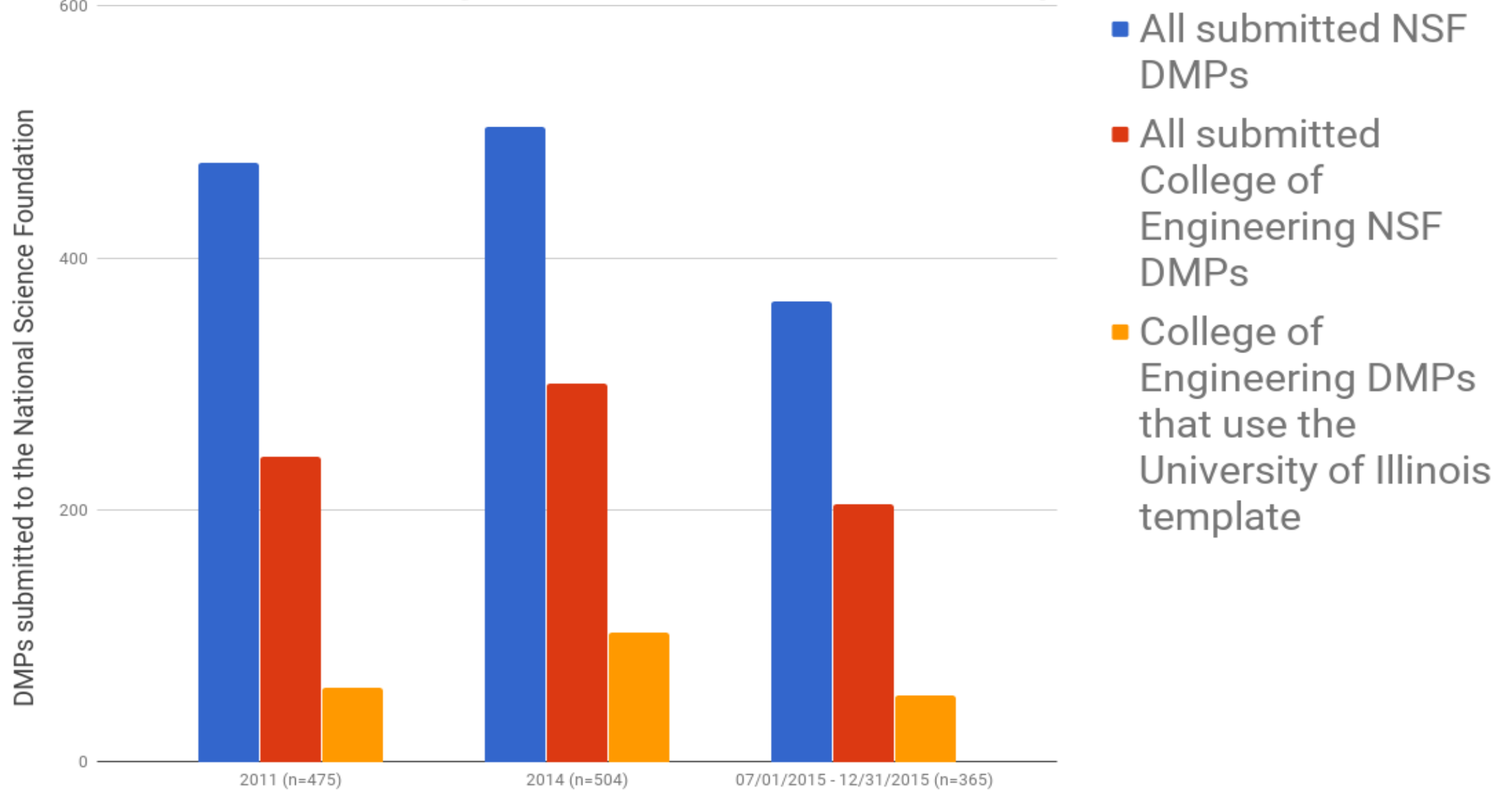
Digital Images – Format(s):

Audio Format(s) – Video Format(s):

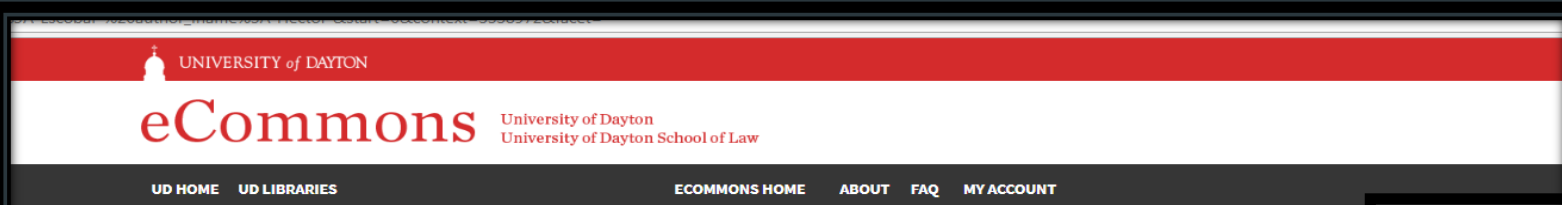
Physical Collections:

Models.

University of Illinois NSF DMP Template Use



The institutional repository



Searching eCommons Show Search

Showing 7 out of 7 results. Starting at result 1. My saved searches Save this search

| DISCIPLINE |
|-------------------------------------|
| Library and Information Science (7) |
| Social and Behavioral Sciences (7) |
| Communication (1) |
| Social Media (1) |

| KEYWORD |
|---------------------|
| Assessment (4) |
| Libraries (4) |
| Outreach (2) |
| Reference (2) |
| Writing Centers (2) |

More

| PUBLICATION YEAR |
|------------------|
| 2016 (2) |
| 2015 (2) |
| 2014 (3) |

| PUBLICATION |
|--|
| Roesch Library Faculty Presentations (5) |
| Roesch Library Faculty Publications (2) |

| PUBLICATION TYPE |
|------------------|
| Series (7) |

| FILE TYPE |
|-----------|
| PDF (7) |

Tracking for Outreach: Using Data for Cross-Unit Purposes Date: 11/2016
Authors: Heidi Gauder, Hector Escobar
Publication: Roesch Library Faculty Presentations
[Download](#)

On the "Write" Path to Student Learning: Library and Writing Center Collaboration Date: 05/2015
Authors: Hector Escobar, Heidi Gauder
Publication: Roesch Library Faculty Publications
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Bird's Eye View: Using Twitter in #ClubRoesch Date: 09/2015
Authors: Katy Kelly, Hector Escobar
Publication: Roesch Library Faculty Publications
[Download](#)

Using assessment to leverage collaboration with the campus writing center Date: 08/2014
Authors: Heidi Gauder, Hector Escobar
Publication: Roesch Library Faculty Presentations
[Download](#)

Integrated Service Spaces: New ways of assessing collaboration. Date: 08/2014
Authors: Hector Escobar, Heidi Gauder
Publication: Roesch Library Faculty Presentations
[Download](#)

Write together: assessing writing center data for library collaboration Date: 10/2014
Authors: Heidi Gauder, Hector Escobar
Publication: Roesch Library Faculty Presentations
[Download](#)

Using Peers to Shed Light on Service Hours for Librarians Date: 11/2016
Authors: Hector Escobar, Heidi Gauder
Publication: Roesch Library Faculty Presentations
[Download](#)

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UD HOME UD LIBRARIES ECOMMONS HOME ABOUT FAQ MY ACCOUNT

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Enter search terms: Search
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Notify me via email
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Guide to SelectedWorks

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LINKS
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- School of Law
- Conferences and events
- Journals and peer-reviewed series
- Featured Publications
- Meet our faculty
- Newsletters and magazines
- Theses and dissertations
- University archives
- University documents

eCommons, a service of the University Libraries, is a space for content produced by our diverse campus community. It is a permanent multimedia archive of UD's continuous pursuit of transformative education and world-changing research.

We are a top-tier Catholic research university with offerings from the undergraduate to the doctoral levels. We are committed, in the Marianist tradition, to educating the whole person and to linking learning and scholarship with leadership and service.

Dayton, Ohio, United States
eCommons
This map shows live readership activity for eCommons. Waiting for next download...

Real-time Readership
9 Downloads since 12:42:33 PM

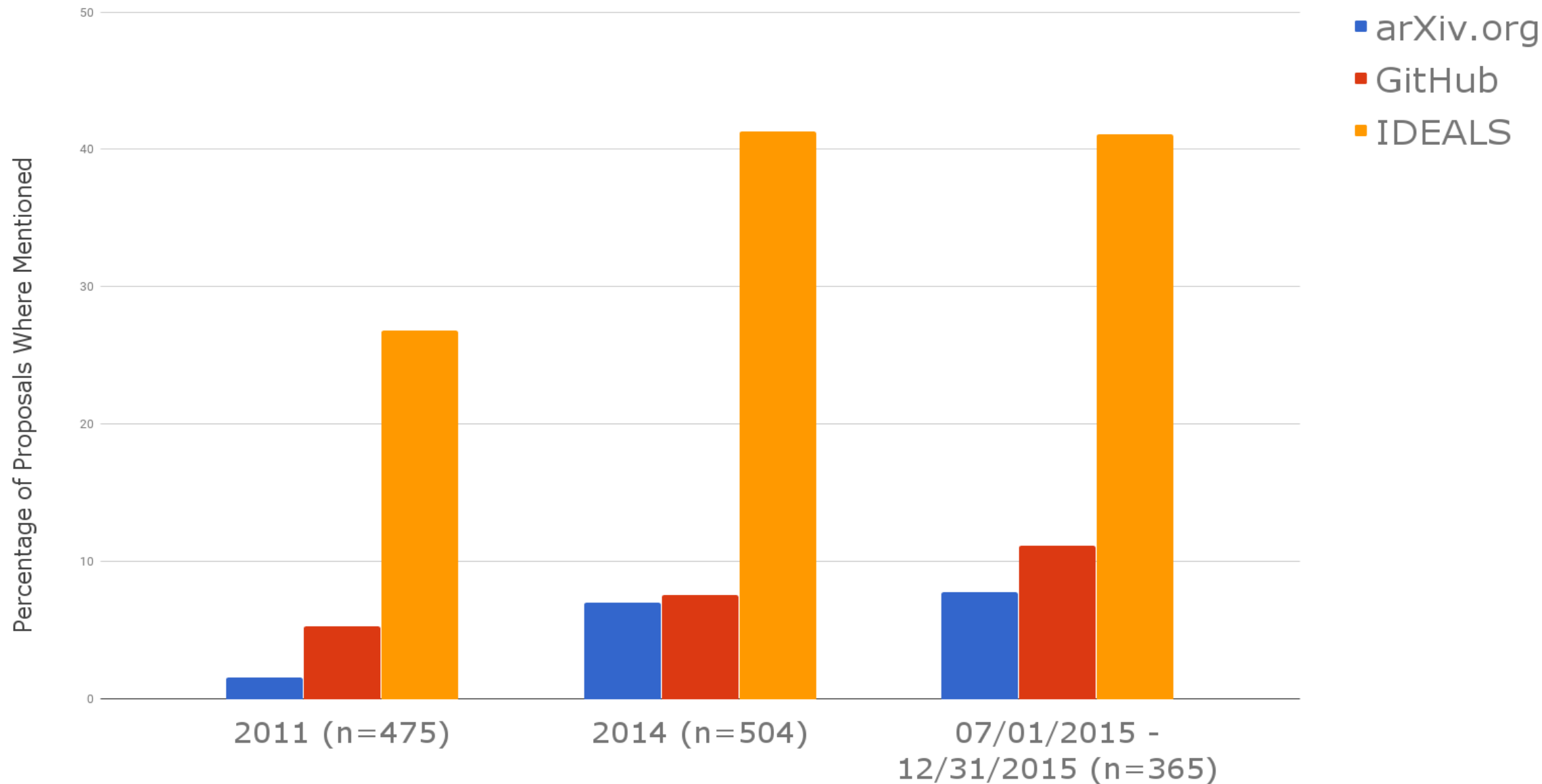
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TODAY'S FEATURE
Editor's Page
Deanna O. Sellnow

Explores works in DTE disciplines

View Larger

UIUC College of Engineering Repository Use (As Listed on NSF DMPs)



University of Illinois Grainger Engineering Library researcher collaboration spaces



Supporting scholarship throughout the research life cycle at UD

Libraries have long been a partner in the research process, serving both students and faculty. We will maximize our partnership with faculty to educate students in information literacy and other competencies necessary for the acquisition and creation of knowledge. We will also extend the Libraries' role in the faculty research process with special attention to data management, research metrics, and the visibility of UD scholarship.

1. Improve discovery and delivery of library resources.
2. Develop a structure for supporting the research cycle for that includes assistance with data management planning and implementation.
3. Take a leadership role in the Academic Senate plan for information literacy.
4. Collect, disseminate, and preserve UD-generated scholarship.
5. Support the visibility and use of tools for research metrics.
6. Educate the campus community on author rights, fair use, and open-access publishing.

The Scholarship of Teaching and Learning (SOTL)

SOTL is a self-reflexive scholarly inquiry into teaching by viewing it as a form of research and scholarship.

SOTL builds on a reflective teaching method, a peer review of teaching, educational research, and scholarly inquiries so as to refine and enhance the teaching and learning experience.

As a Research Librarian, I will...

Help grow and develop researcher and collaboration spaces within the Roesch Library and the Scholar's Commons

Help promote and develop the eCommons through outreach, training, and usability studies

Assist with data management, data literacy, and research skills

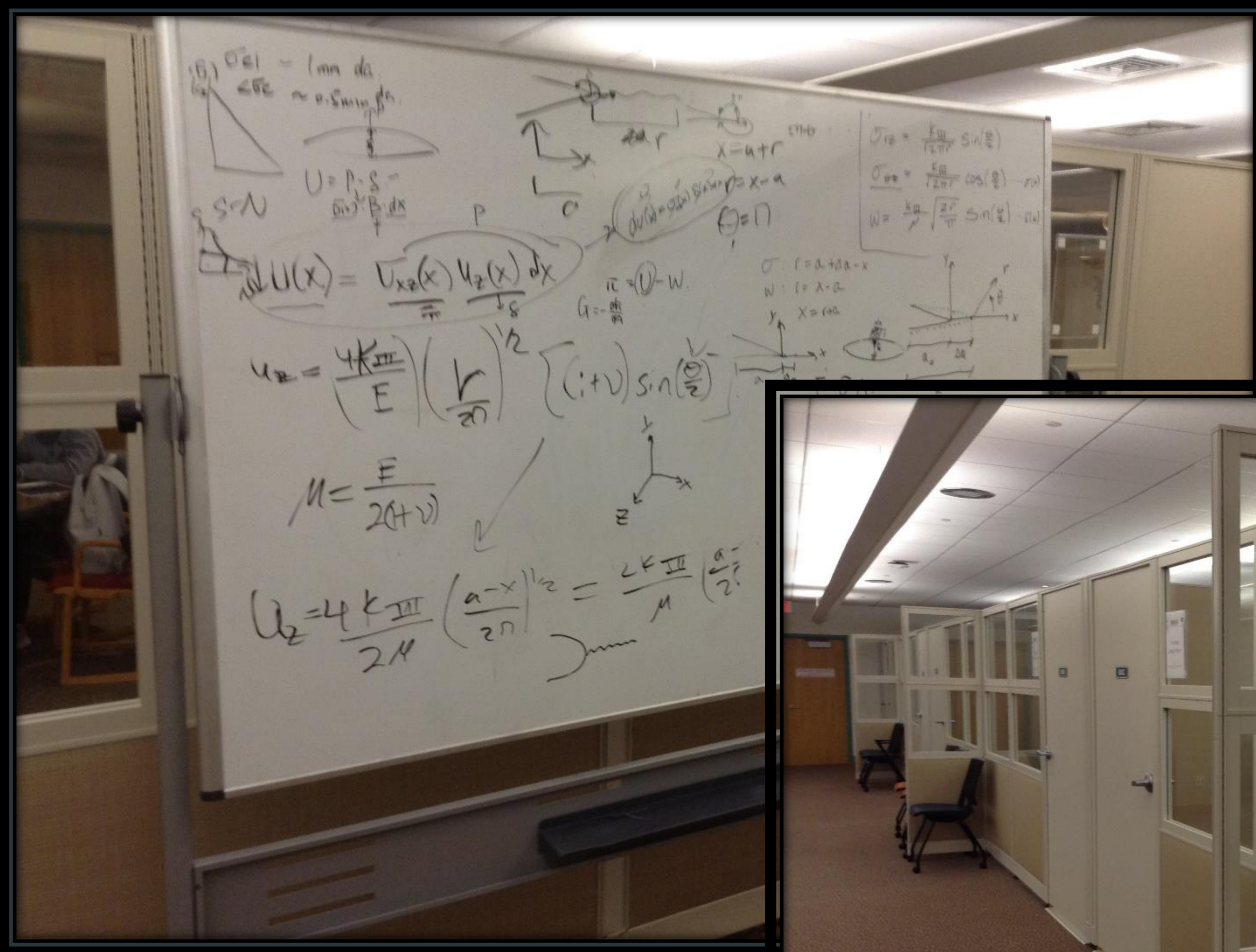
Build online informative content that will help researchers with their data management strategies as well as other research functions

Take a scholarly and methodical approach to outreach and research service pedagogy

Utilize social media and Web 2.0 tools to make the research librarian more accessible

Work to develop relationships on campus so as to find ways to assist researchers of all levels

Enhancing collaborative research spaces



My goal:

I want to be an advocate for our campus researchers so as to assist them in making the world a better place through rigorous and conscientious research.

I will do this by providing pro-active and reflexive outreach and assisting researchers from across disciplines and research skills at all points in the research lifecycle.

References

- Keil, D.E. (2014) Research data needs from academic libraries: The Perspective of a Faculty Researcher. *Journal of Library Administration*, 54(3).
<https://doi.org/10.1080/01930826.2014.915168>
- McKinney, K. (2004). The scholarship of teaching and learning: Past lessons, current challenges, and future visions. *To Improve the Academy* 22(1). <https://doi.org/10.1002/j.2334-4822.2004.tb00399.x>
- Peters, C. & Riley Dryden, A. (2011). Assessing the academic library's role in campus-wide research data management: A first step at the University of Houston. *Science & Technology Libraries*, 30(4). <https://doi.org/10.1080/0194262X.2011.626340>