Developing a Campus-Wide Research Lifecycle: Perspectives from the University of Central Florida Libraries

Lee Dotson, Digital Initiatives Librarian
Sarah Norris, Scholarly Communication Librarian
Before the Research Lifecycle

Convened UCF Libraries Scholarly Communication Task Force
Task Force Charge

Examine and make recommendations regarding the role the UCF Libraries can play in shaping the future of scholarly communication at UCF through the creation of a sample pilot repository with voluntary contributions from UCF Libraries’ faculty.
Task Force Project: Literature Search

The Internet has brought unparalleled opportunities for expanding the availability of research by bringing down economic and physical barriers to sharing. The digitally networked environment can democratize access, accelerate discovery, encourage new interdisciplinary approaches to complex research challenges, and enable new research strategies.

(SPARC, 2011)
Digital is not merely a new mode for collecting and disseminating the kinds of collections traditionally managed by research libraries. The digital age has unleashed a torrent of new kinds of content generated by the wide range of activities in which research institutions engage. In addition, it requires libraries to play a leading role in converting much of the content in their collections into digital formats.

(AL, 2009, p. 13)
Scholarly Communications Working Group

Mission

Scholarly Communications Working Group - Official Charge

This Working Group is charged with working with the Scholarly Communications Librarian in a team effort to coordinate activities and develop instructional materials in support of scholarly communications, scholarly publication reform, intellectual property issues, and open access activities and programs provided by the Smathers Libraries at the University of Florida. The broader purpose is to recruit, collect, showcase, and preserve the scholarly output of the University of Florida. More specifically, the Working Group will identify needs and propose and undertake creative actions essential to ensuring that the Libraries continue to provide an effective open access program, a vibrant institutional repository, and information and instruction about scholarly communication matters.

Responsibilities include coordinating and creating promotional activities for the annual Open Access Week; contributing current items to the Open Access LibGuide and other instructional materials (e.g., Scholarly Communications LibGuide), developing online tutorials and other media to inform the academic community, and providing professional development assistance and instructional materials to Library faculty and staff for library instruction, among other projects.

The Working Group is comprised of members with the following attributes, while it also has the responsibility to foster such professional development among library faculty and staff:

- knowledge of open access trends and development;
- knowledge of scholarly publishing and new models for scholarly communication;
- understanding of the issues involved in open access, and who can explain its importance and justify increased participation with it;
- a willingness to become familiar with scholarly communications policy issues;
- understanding of faculty concerns regarding open access publishing;
- willingness to share information and communicate effectively with each other; and
- strong positive relationships between library staff and teaching faculty.

OA Strategies for 2011

Abbreviated list of 2011 Strategies.

Please see full list in attached word document.

- Plan and implement the annual Open Access Week.
- Assess scholarly communications and open access programs at peer institutions to elicit best practices, and adopt and improve needed programs/activities.
- Collaboration with other universities: CSUL SEC - draft a statewide collaboration proposal and best practice.
- Communication Task Force
# Task Force Project: The Glossary

## Scholarly Communication Glossary

<table>
<thead>
<tr>
<th>Term</th>
<th>Definition</th>
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<tbody>
<tr>
<td>Archiving</td>
<td>Preservation of the scholarly record over time</td>
</tr>
<tr>
<td>Author Rights</td>
<td>Allows authors to retain specified rights to their published articles, and to negotiate copyright transfer agreements with publishers.</td>
</tr>
<tr>
<td>Author's Version</td>
<td>The publicly available version of a work maintained by the author after acceptance by the publisher, but excluding the proof and the definitive version, which has been formally processed and published. Also refers to the personal copy, personal version, or personal work.</td>
</tr>
<tr>
<td>Copyright and Intellectual Property</td>
<td>Work together to provide access to information while safeguarding the author’s rights to their intellectual property.</td>
</tr>
<tr>
<td>Creative Commons</td>
<td>An organization that provides free tools to authors, scientists, artists, and educators to earmark their works with the desired copyright licenses by offering &quot;a flexible range of protections and freedoms for authors and artists.&quot;</td>
</tr>
<tr>
<td>Definitive Version</td>
<td>The final version of a published work. Typically, the definitive version has been accepted, edited and published in print and/or digital form. Also refers to the final version or publisher’s version.</td>
</tr>
</tbody>
</table>
Task Force Project: Survey

IR Reporting Structure
- Collection Dev: 7%
- Schol Comm: 7%
- Library Admin: 15%
- Digital Services: 15%
- Technical Services: 15%
- Systems/IT: 11%
- Archives: 11%
- No Resp. or Other: 17%
- Public Services: 2%

IR Funding Source
- Direct Institutional: 38%
- Unit: 32%
- Combination: 16%
- Other: 14%
Comments...

“**It truly takes a village to run an IR**, unless you have a Scholarly Communication/IR unit that consists of multiple people with multiple skill sets: programmers/systems librarian, copyright specialist & SC librarian (separate or single), etc. The number of library staff involved also depends on what your IR houses. For example, there are several more people who touch the IR in their daily work, but aren't necessarily responsible for the operational end, only deposit and metadata structure.”
Task Force Project: Pilot project

Analysis of Selected Journals’ Copyright Conditions

SHERPA/ROMEO searches:
- The SHERPA/RoMEO (http://www.sherpa.ac.uk/projects/sherparomeo.html) service is maintained by SHERPA staff and provides a listing of publishers’ copyright conditions as they relate to authors archiving their work on-line. The service categorizes publishers and their conditions as:
  - Green publishers - allowing archiving of both pre-prints and post-prints
  - Blue publishers - allowing archiving of post-prints but not pre-prints
  - Yellow publishers - allowing archiving of pre-prints but not post-prints
  - White publishers - no archiving allowed

<table>
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<tr>
<th>Journal</th>
<th>Author-work*</th>
<th>Publisher</th>
<th>Author’s Pre-print</th>
<th>Author’s Post-print</th>
<th>Restrictions</th>
<th>Publisher’s Version/PDF</th>
<th>Details</th>
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<tr>
<td>Alberta Journal of Educational Research</td>
<td>University of Alberta -- Faculty of Education</td>
<td>no publisher copyright information found in the SHERPA/RoMEO list.</td>
<td>no publisher copyright information found in the SHERPA/RoMEO list.</td>
<td>no publisher copyright information found in the SHERPA/RoMEO list.</td>
<td>no publisher copyright information found in the SHERPA/RoMEO list.</td>
<td>None listed</td>
<td>archiving status unknown</td>
<td>See details below</td>
</tr>
<tr>
<td>College and Research Libraries</td>
<td>American Library Association</td>
<td>author can archive pre-print (i.e. pre-refereeing)</td>
<td>author can archive post-print (i.e. final draft post-refereeing)</td>
<td>None listed</td>
<td>None listed</td>
<td>author cannot archive publisher’s version/PDF</td>
<td>See details below</td>
<td>Yellow</td>
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<td>Educational Researcher</td>
<td>SAGE Publications (UK and US)</td>
<td>green tick author can archive pre-print (i.e. pre-refereeing)</td>
<td>grey tick subject to Restrictions, author can archive post-print (i.e. final draft post-refereeing)</td>
<td>* 12 months embargo</td>
<td>author cannot archive publisher’s version/PDF</td>
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<td>Information Technology and Libraries (ISSN: 0730-9295)</td>
<td></td>
<td>American Library Association</td>
<td>author can archive pre-print (i.e., refereeing)</td>
<td>author can archive post-print (i.e., final draft post-refereeing)</td>
<td>None listed</td>
<td>archiving status unknown</td>
<td>See details below</td>
<td>Green</td>
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<tr>
<td>Journal of Academic Librarianship (ISSN: 0099-1333)</td>
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<td>Elsevier</td>
<td>subject to Restrictions, author can archive pre-print (i.e., refereeing)</td>
<td>author can archive post-print (i.e., final draft post-refereeing)</td>
<td>This does not include Cell Press or Lancet</td>
<td>author cannot archive publisher's version/PDF</td>
<td>See details below</td>
<td>Green</td>
</tr>
<tr>
<td>Journal of Educational Media and Library Sciences (ISSN: 1013-090X)</td>
<td></td>
<td>Tamkang University, Graduate Institute of Tamkang University Press</td>
<td>This publisher's policies have not been checked by RoMEO.</td>
<td>This publisher's policies have not been checked by RoMEO.</td>
<td>This publisher's policies have not been checked by RoMEO.</td>
<td>This publisher's policies have not been checked by RoMEO.</td>
<td>See details below</td>
<td>Not established</td>
</tr>
<tr>
<td>Journal of Electronic Resources in Medical Libraries (ISSN: 1542-4065)</td>
<td></td>
<td>Haworth Press (now Taylor &amp; Francis)</td>
<td>author can archive pre-print (i.e., refereeing)</td>
<td>subject to Restrictions, author can archive post-print (i.e., final draft post-refereeing)</td>
<td>* 12 month embargo for STM Journals * 18 month embargo for SSH journals</td>
<td>author cannot archive publisher's version/PDF</td>
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Task Force Report Finalized

Completed UCF Libraries Scholarly Communication Task Force final report
Scholarly Communication
Task Force Report
Fall 2011

Lee Dotson
Penny Beile
Therese Triumph
Andy Todd
Athena Hoeppner
Corinne Bishop
Lyn Case
Larry Cooperman
Rich Gause
What’s Next for the Task Force?

Met with Vice-Provost to discuss Scholarly Communication Task Force final report – all 53 pages of it!
A New Beginning

Reconvened Scholarly Communication Task Force to create a mental model – added new members
Where are the gaps? What are the priorities?
21st Century Digital Scholarship Cycle
21st Century Digital Scholarship Cycle
✓ Solicited campus-wide feedback
✓ Invited presentations
✓ Presented workshops
✓ Research Lifecycle discussions across campus(es)
✓ Presented to the Provost and Vice-Provost
✓ Shared with the Faculty Senate Library Advisory Council
✓ Everyone involved had an opportunity to publish or present
This toolkit is designed to provide open access to "Research Lifecycle at UCF" resources. These works are licensed under a Creative Commons Attribution-ShareAlike 3.0 Unported License. Any of the tools below can be downloaded, reproduced and/or modified as needed.

Need something a little different? Contact any member of the Scholarly Communication Advisory Group to request a new tool.
Where Are We Now?
Where Are We Now?

• Overarching Goals & Expectations for Scholarly Communication at UCF
  • *Increase support of the research process among scholars at UCF*
  • *Build on grassroots efforts and explore opportunities to expand SC services & resources*
Updating Research Lifecycle

• Updating Current Areas of Support
  • “Turn on” or “turn off” buttons as needed
21st Century Digital Scholarship Cycle
Updating Website

The Department of Scholarly Communication provides information and assistance on all aspects of scholarly publishing.

Goals

Collaborate with other campus units to provide a suite of campus-wide services that supports all aspects of research and scholarly publishing at the University.

Advocate for the infrastructure, staffing, publishing funds and services that further support research and scholarly publishing at the University.

Educate and facilitate discussions about the changing scholarly communication environment, including the move to open access and sustainable publishing and exploring new ways to create, disseminate, evaluate, and preserve research and scholarly outputs at the University.

Research Lifecycle at the University of Central Florida

What Do You Need Help With?

Click on Cycles to Explore

Planning

- Literature Reviews
- Collaboration Tools
- Citation Management Tools
- Ethics & Compliance
- Data Management Plans
- Grant Planning

Project

- Data Set Metadata
- Analysis Support
- Research Data
- Ethics & Compliance
- Grant Management

Publication

- Writing Workshops
- Deciding Where to Publish
- Author Rights

Digital Scholarship

- Metadata Services
- Open Access Hosting
- Long Term Preservation
- Discovery Support
- Data Curation
- Data Sharing

Services, located on the left menu, are aligned with the Research Lifecycle, which illustrates both the research process and campus-wide support available to researchers at the University.
Creating Research Lifecycle Personas

• Faculty driven idea
  • Way to better express faculty research in more visual and/or department-specific way
  • May lead to department and/or discipline-specific research lifecycles (e.g. Digital Humanities)

Rudy McDaniel, Ph.D.
Director
Associate Professor
rudy@ucf.edu
407-823-0218
Office Hours: MW 10-11:30
Campus Location: CAH190L
View CV
View personal website

Education
  • Ph.D. in Texts and Technology from University of Central Florida (2004)

Research Interests
  • Interactive narrative
  • Knowledge management
  • Information architecture
  • Video game studies
  • Digital humanities tools
  • Games for change
  • XML

Selected Publications

Books
Promoting Research Lifecycle On Campus

• Continued need to promote awareness
  • Subject Librarians
  • Blue Button Experts
  • Scholarly Communication Advisory Group
  • Scholarly Communication Faculty Advisory Board

• Continued need to clearly articulate Research Lifecycle & Services

• Continued need to add and/or update services

• Continued need to partner/collaborate with other on-campus units
Learning from Other Institutions

• How are other institutions framing the research lifecycle?
• How are other institutions re-framing the UCF created research lifecycle?
A Scalable and Sustainable Approach to Open Access Publishing and Archiving for Humanities and Social Sciences

A White Paper

Rebecca Kennison and Lisa Norberg
The two-for-one workshop: mapping data management services to the research lifecycle

Amanda K. Rinehart, Data Management Services Librarian

**Advantages of partnering**
- Bigger network for advertising and advocating
- Greater attendance at workshops
- Learn from partners and they from you
- Share the responsibility of content preparation

**Approaching partners**
- Look for services that are adjacent to each other in the research lifecycle
- Ask your colleagues for introductions
- Go to their office
- Define what you mean by data and data management
- Articulate the idea of partnership, with no duplication of services
- We are all experts in our own right
- Look for ways you can help them. Kick off the cycle of reciprocation
- Remember that the partnership is a long-term goal, so it's OK if the first meeting isn't magical
- Follow up and keep in touch

**Lessons Learned**
- Active learning is preferred
- Meet with the partner a few days before to plan content and timing
- The content won't be 50/50 from each presenter
- Articulating that feedback will influence future workshop design encourages participation
- It won't be comprehensive — but it's OK to leave them wanting more!

**Selection of workshops**
- "Keys to Research Success: Keeping Your Data Organized" with the Undergraduate Research Office
- "Getting Grants: Finding Funding and Planning for Data Management" with the Office of Research
- "Human Subjects Research Assistance with IRB and Data Management" with the Office of Compliance
- "Effective Data Management: From the Grant Proposal to Publication" with the supercomputing center
- "Data Management Double Feature" with a science faculty member and the supercomputing center

* at Brown University

Status of Fall 2011 attendees at six workshops (Total: 113)

- Undergraduate: 7
- Other: 2
- Post-doc: 11
- Staff: 23
- Faculty: 27
- Graduate student: 35

Acknowledgements
The success of these workshops would not be possible without Josh Gadre, our Research Commons Program Manager, and all the kind partners: Jeff Agresta, Maria Hernandez, Jon Barnes, Jamie Combateca, and many others. Portions of the research lifecycle image have been borrowed from University of Central Florida Libraries: Research Lifecycle Committee. (2012). The research lifecycle at UCF [Online Graphic]. Retrieved from library.ucf.edu/scholarlycommunication/researchlifecycle/UCF_rlc.php

Rinehart.64@osu.edu
Points of Access: Integrating Digital Scholarship Services Across the Research Life Cycle

**Conceptualization**
- Help identify useful tools and software.
- Explore grant and funding sources.
- Connect PIs with appropriate collaborators.
- Discuss long-term DMPs and preservation issues.

**Where can Digital Humanities, Data Curation, and other Digital Scholarship Librarians best assist users?**

**Actualization**
- Assist with data back-ups and management.
- Support grant-writing and/or funding initiatives.
- Critique or assist with pilot projects or beta-testing.
- Consult, advise, and troubleshoot as needed.

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**Legend**
- Libraries Service
- Scholars’ Lab Service
- Data Curation Service
- Digital Humanities Service
- Office of Research & Engagement
- No centralized service point

**Preservation & Access**
- Advise on metadata creation.
- Facilitate implementation of DMPs.
- Aid and support archiving in institutional repositories and/or other appropriate platforms and venues.

**Dissemination**
- Provide tools and training for content production.
- Help identify appropriate avenues for distribution, presentation, and publication.
- Assist with copyright clearance or licensing.

Created by Ashley Maynor & Chris Eaker

Design Inspiration by OpenWebWorks & University of Central Florida's Research Lifecycle
Research Lifecycle Resources

• Other Research Lifecycles and Data Models
  • University of British Columbia: Life Cycle of Scholarly Research
  • Cameron Neylon’s Research Lifecycle
  • Capella University: The Scholarly Research Cycle
  • OpenWetWare: The Research Lifecycle
  • Digital Curation Centre (DCC) Lifecycle Model
  • DataONE: Data Life Cycle Management
  • University of Virginia Library Research Life Cycle
  • UK Data Archive Research Data Lifecycle
  • The University of Western Australia: Research Data and the Research Lifecycle
Citing the Research Lifecycle

How to cite in APA:

How to cite in MLA:

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Research Lifecycle Committee: Lee Dotson (chair), Penny Beile, Selma Jaskowski, Athena Hoeppner, Andy Todd, Sandra Varry, Mary Page, Rich Gause, Corinne Bishop, Therese Triumph, Bobby Ciullo, and Cindy Dancel.

Lifecycle Toolkit: Documents to promote and explain the Research Lifestyle

**Clickable PDF**
- PDF [14.7 MB] with clickable bookmarks to related sections of the website.
- Great file to email or load on a USB drive.
- Click thumbnail to view, save or print full size PDF

**Printable Lifecycle Bookmark PDF**
- Four bookmarks to a page, double sided.
- Click thumbnail to view, save or print full size PDF [3.8 MB].

**Lifecycle Quickprint Handout**
- 11"x17" handout without black background for quick printing.
- Click thumbnail to view, save or print full size PDF [1.1 MB]

Need something a little different? Contact any member of the [Scholarly Communication Advisory Group](#) to request a new tool.
Questions

Contact Info:
Lee Dotson, Digital Initiatives Librarian
Lee.Dotson@ucf.edu

Sarah Norris, Scholarly Communication Librarian
Sarah.Norris@ucf.edu