



**Partnering via the Research
Lifecycle: A University Library's
Experience with a Collaborative
Scholarly Communication Initiative**

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**Andrew Todd and Sandra Varry,
University of Central Florida Libraries**



University of Central Florida

Facts and Figures (Fall 2012):

- 2nd Largest University in U.S.
- 11 campuses
- More than 59,000 students
- 1,959 Faculty and adjuncts
- Carnegie Classification - RU/VH: Research Universities (very high research activity)
- Over \$150 million in contracts and grants



Who has an IR?

In 2011...

7 of 11

State University
Libraries of Florida



Scholarly Communication Task Force

- Formed in February 2011
- Nine members, Lee Dotson, Chair
- 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.



Goals



- Provide a shared interface to make unique UCF intellectual capital more discoverable and accessible.
- Provide a shared access point for metadata and/or content for disparate departmental repositories around campus.
- Support University Archives Policy 4-005.1
- Develop a system to meet requests to digitize, create metadata, and/or host materials.
- Collaborate with the Office of Research & Commercialization to support faculty with NSF and NIH mandates.
- Provide stable, sustainable home to connect users to data and satisfy grant requirements for deliverables.



Faculty Senate Resolutions

- 2004-2005 resolution for Library Scholarly Literature:
 - “access to the scholarly literature is vital to all members of the academic community”
 - Support “core academic values of promoting the dissemination of and unrestricted access to scholarship and research.”
 - Resolved to call on “administration, faculty, staff, and students to increase support for a publishing system more conducive to scholarly communication, no matter what the format of transmission, by supporting refereed journals and publishers whose business and pricing practices are reasonable and sustainable, and follow practices that increase the availability of scholarly communication”
 - Resolution 2004-2005-1 Library Scholarly Literature



Faculty Senate Resolutions, Cont.

- 2007-2008 resolution for the ETD Dissemination Policy:
 - recognized that “the university is dedicated to open access of original work for the purposes of scholarship”
 - while being “mindful of protecting the rights of our students (and faculty) with regard to their original work”
 - Resolution 2007-2008-2 ETD Dissemination Policy



Existing needs

| COLLEGE | College URL | "IR" | DEPARTMENT | QUALIFICATION | Repository URL |
|---|---|------|--------------------------------------|---|---|
| College of Arts and Humanities | http://www.cah.ucf.edu/ | NONE | - | - | - |
| The Burnett Honors College | http://www.honors.ucf.edu/ | NONE | - | - | - |
| College of Business Administration | http://web.bus.ucf.edu/ | Yes | - | Magazine "Business in the Know" Self-published | http://issuu.com/ucfbusiness/docs/itk_issue5 |
| College of Education | http://education.ucf.edu/ | Yes | - | Faculty CVs (non-searchable) | http://education.ucf.edu/faculty_index.cfm |
| College of Engineering and Computer Science | http://www.cecs.ucf.edu/ | Yes | - | Listing of publications by year (not searchable) | http://www.cecs.ucf.edu/research/ |
| College of Graduate Studies | http://www.graduate.ucf.edu/ | Yes | - | Electronic Theses and Dissertations (ETDs) (2010) | http://www.students.graduate.ucf.edu/etd/ |
| College of Health and Public Affairs | http://www.cohpa.ucf.edu/index.shtml | | | | |
| | | Yes | Communication Sciences and Disorders | Partial Faculty CVs (non-searchable) | http://www.cohpa.ucf.edu/comdis/researchfac.cfm |
| | | Yes | Department of Criminal Justice | Published articles, search by year | http://www.cohpa.ucf.edu/crim.jus/articles2.shtml |

Research

Research Areas

Lasers
Fiber Optics
Semiconductor & Integrated Photonics
Nonlinear & Quantum Optics
Imaging, Sensing & Display

Research Groups

Facilities

Laboratories

Publications

Books
Patents
Theses & Dissertations




Research Booklet

Publications

Show publications from
 Authored by
 Of type
 Search titles for keywords

Found 3391 publications. Page 1 of 170 << Previous Page | Next Page >>

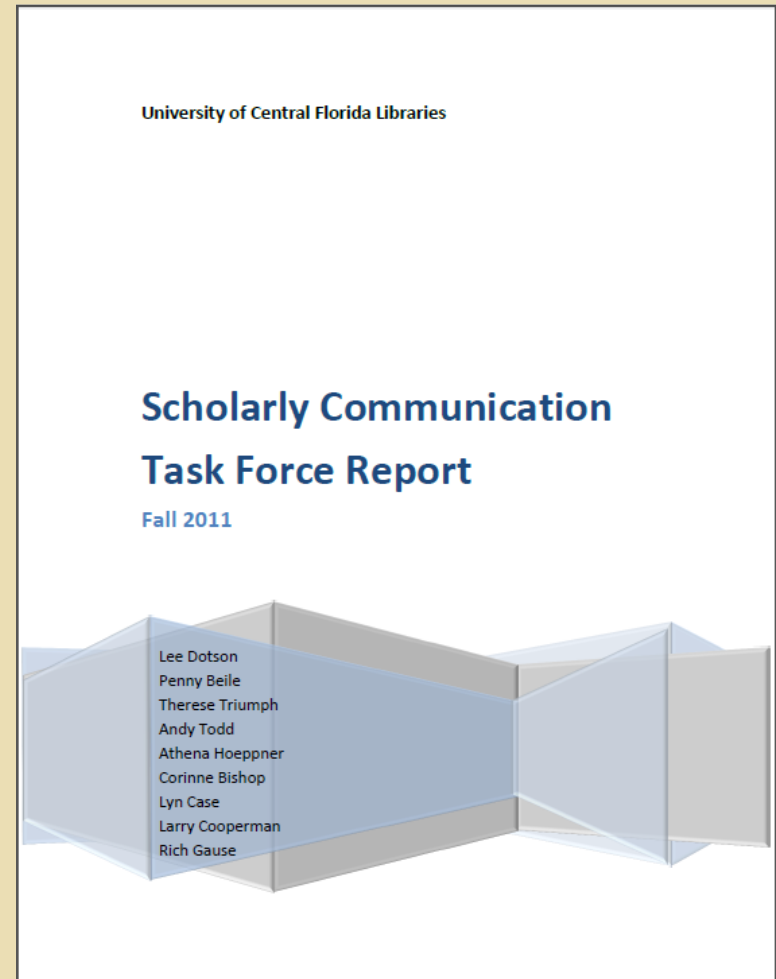
Journal Papers (refereed)

- 2013** R.A. Sims, P. Kadwani, A. Sincore, L. Shah, M. Richardson
"1 uJ, sub-500 fs chirped pulse amplification in a Tm-doped fiber system"
 Optics Letters vol. 38, no. 2, pp. 121-123
- 2013** P. Hofmann, C. Voigtländer, S. Nolte, N. Peyghambarian, and A. Schülzgen
 *"550 mW Output Power from a Narrow Linewidth All-Phosphate Fiber Laser"*
 J. Lightw. Technol. 31, 756
- 2013** Peter Hofmann, Christian Voigtlaender, Stefan Nolte, N. Peyghambarian, and Axel Schuelzgen
"550-mW Output Power From a Narrow Linewidth All-Phosphate Fiber Laser"
 Journal Of Lightwave Technology 31(5), pp.756-760
- 2013** Jin Yan, Shin-Tson Wu, Kung-Lung Cheng, and Jyh-Wen Shiu
"A full-color reflective display using polymer-stabilized blue phase liquid crystal"
 Applied Physics Letters 102(8),
- 2013** Christian Gaida, Martin Gebhardt, Pankaj Kadwani, Lasse Leick, Jes Broeng, Lawrence Shah, Martin Richardson
 *"Amplification of nanosecond pulses to megawatt peak power levels in Tm³⁺-doped photonic crystal fiber rod"*
 Optics Letters, vol. 38, no. 5, pp. 691-693
- 2013** Romain Gaume, Stephanie Lam, Martin Gascon, Wahyu Setyawan, Stefano Curtarolo, and Robert Feigelson
"An apparatus for studying scintillator properties at high isostatic pressures"
 Review of Scientific Instruments 84(1) (2013)
- 2013** B. Ya Zeldovich, and C-C Tsai
"An electromagnetic world without polarization"
 Journal Of Optics 15(1),
- 2013** Mordechai Segev, Yaron Silberberg, and Demetrios N. Christodoulides
"Anderson localization of light"
 Nature Photonics 7(3), pp.197-204
- 2013** K. H. Kagalwala, G. Di Giuseppe, A. F. Abouraddy, and B. E. A. Saleh
 *"Bell's measure in classical optical coherence"*
 Nature Photonics 7, 72-78; Interview, D. Pile, "Quantum tools for classical coherence," Nature Photonics 7, 80
- 2013** Magali Durand, Khan Lim, Vytautas Jukna, Erik McKee, Matthieu Baudalet, Aurélien Houard, Martin Richardson, André



SCTF Report

- Executive summary
- Existing needs
- Potential outcomes
- Glossary
- Survey
- Pilot project





Outcomes – December 2011 Meeting

- New Charge for 2012: Create a mental model of the research lifecycle at UCF
- Dialogues with other UCF departments:



Office of Research and Commercialization



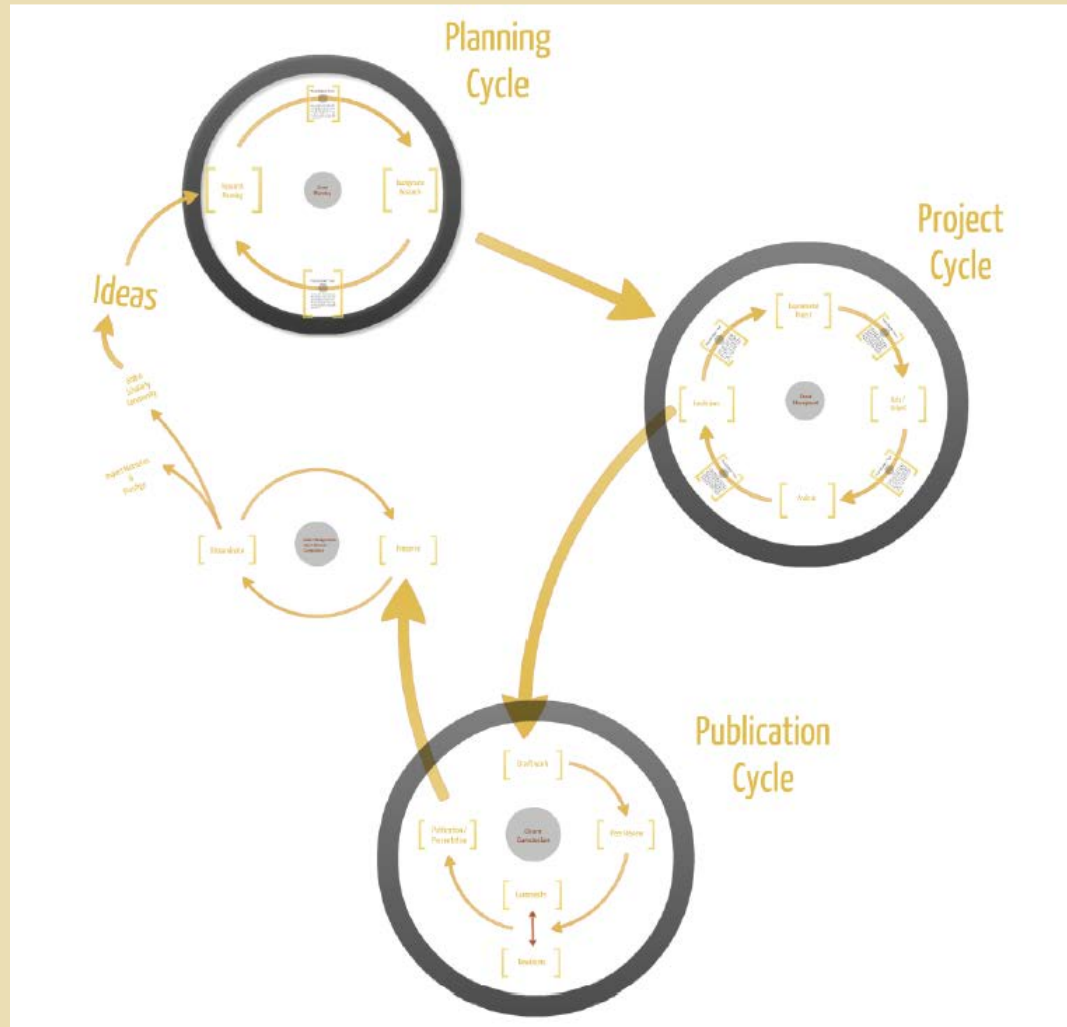
Faculty Center for Teaching and Learning



Institute for Simulation & Training

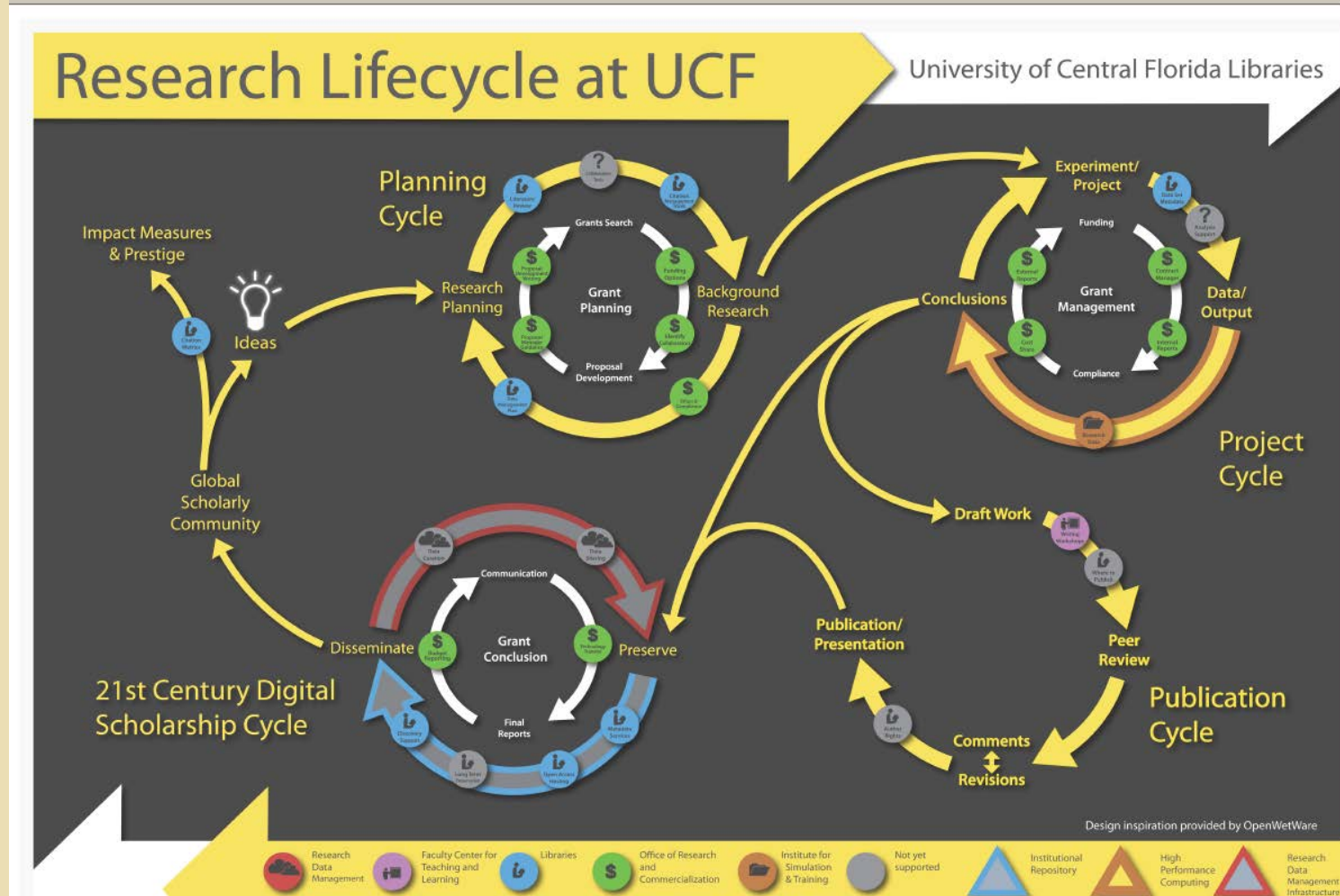


Initial designs



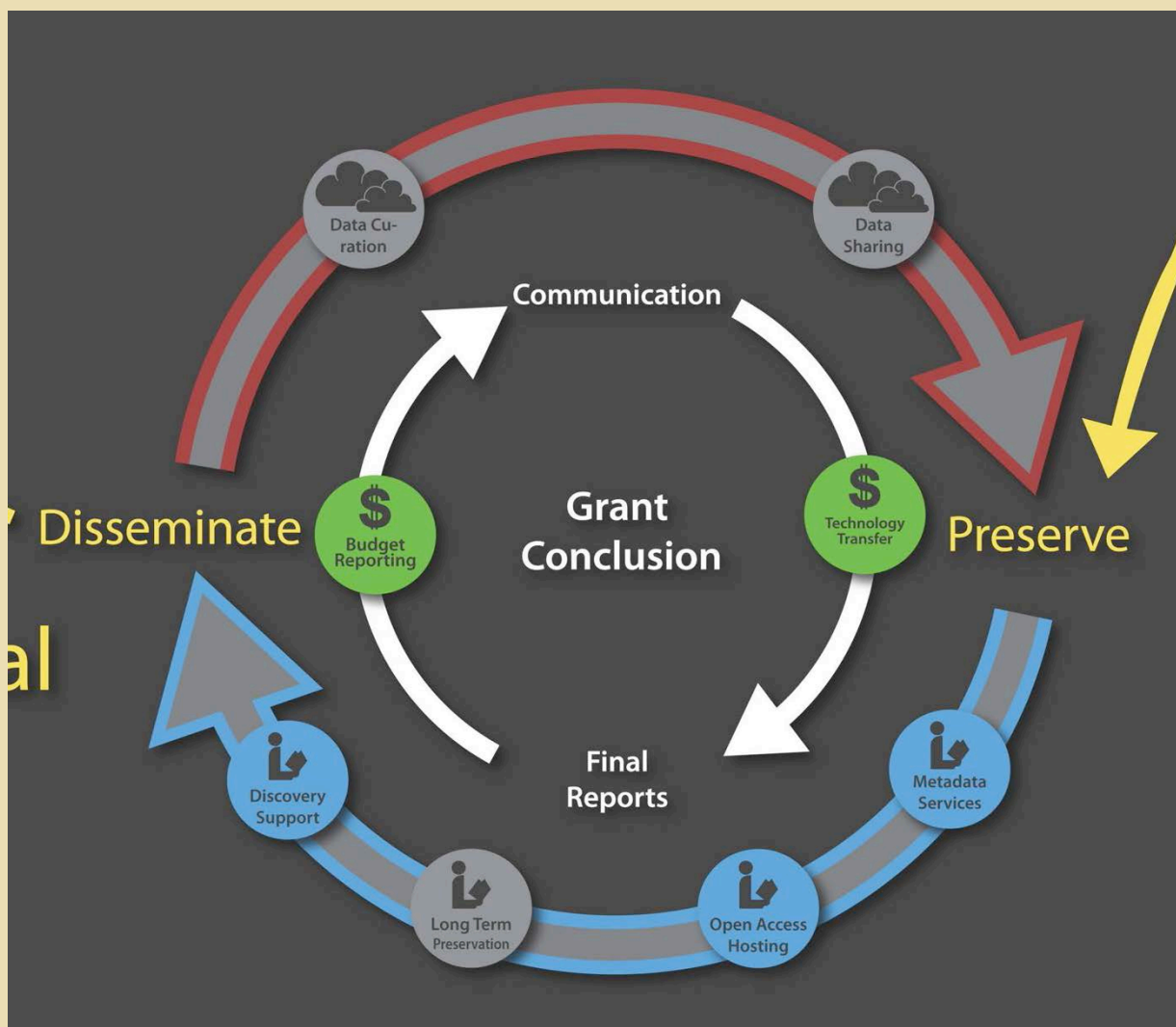


Current Design





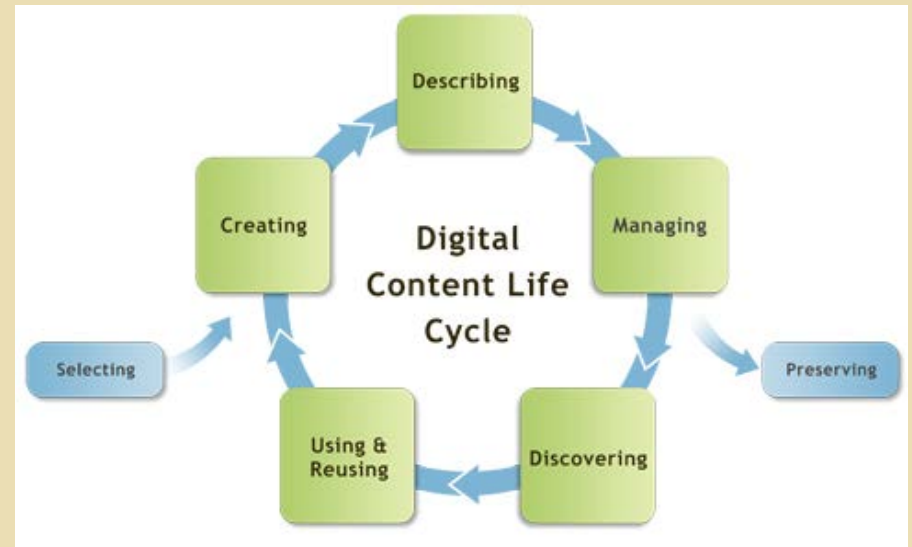
Library & Archives





Digital Stewardship

- The goal of preservation and access of born digital, digitized, and scholarly communications, including their overlap
- Due to the nature of digital materials, it is imperative that archivists become involved early in the lifecycle and collaborate with other stakeholders to ensure their preservation and accessibility





University Archives Policy 4-005.1

POLICY STATEMENT:

- It is the policy of the University of Central Florida to preserve the institutional memory of the university by maintaining a complete archive of its history and accomplishments and to preserve that history in the University Archives.
- University public records may be in any physical or digital format and are appraised for content and historical value.



Institutional Repositories & Archives

SPARC® the Scholarly Publishing and Academic Resources Coalition, is an international alliance of academic and research libraries working to correct imbalances in the scholarly publishing system. Developed by the Association of Research Libraries

Raym Crow of SPARC is quoted by Elizabeth Yakel et al in American Archivist about the potential opportunities and downfalls for archivists in terms of IRs:

Depending on the university, an institutional repository may complement or compete with the role served by the university archives.

University Archives often serve two purposes:

- 1) to manage administrative records to satisfy legally mandated retention requirements, and
- 2) to preserve materials pertaining to the institution's history and to the activities and achievements of its officers, faculty, staff, students, and alumni.

Compared to institutional repositories, which aim to preserve the entire intellectual output of the institution, university archivists exercise broad discretion in determining which papers and other digital objects to collect and store.

“Still, the potential overlap of roles of the two repository types merits consideration at the institutions that support both.”



Why active participation in the lifecycle is necessary-

- The relative fragility of digital materials versus physical, i.e. if a page is missing from a book, you can still find value and interpret the rest of the book. If a digital file is damaged, it is unlikely to be salvaged
- As proactive stewards of digital content, archivists cannot wait for the box of old documents and photographs to arrive on our doorsteps, we must play an active role in the lifecycle so that digital materials make it to us
- By active role, this means the importance of collaboration between the archives and the library (systems) and the library and the stakeholders to whom the library will provide services in terms of scholarly support and preservation



Collaboration at UCF

- Our current work flow for archives involves coordination between the units responsible: Special Collections & University Archives, and the Digital Initiatives department.
- We manage our material in terms of accessioning, preservation, processing and digitization if necessary, and Digital Initiatives provides digitization for unusual formats and then uploads them into CONTENTdm.
- SCUA decides on how metadata will be mapped for a specific collection and then either our metadata cataloger creates the metadata or SCUA does. This workflow depends on the specific materials



And for the time being we are using digital asset management software as a de facto repository:

<http://library.ucf.edu/Systems/DigitalCollections/>

The screenshot shows a web browser window displaying the University of Central Florida Libraries Digital Collections page. The browser's address bar shows the URL <http://miracle.si.umich.edu/publi...>. The page header includes the library logo and navigation links like "Quick Links" and "Website Search".

The main content area features several collection categories, each with a dropdown arrow:

- PRISM: Political & Rights Issues & Social Movements
- Retrospective Theses and Dissertations
- The Carey Hand Funeral Home Records
- UCF Community Veterans History Project

Below these is a section for "University Archives" with a link to "Visit the University Archives website". A descriptive paragraph follows: "The University Archives, housed with the Special Collections, holds publications, records, photographs and other materials on the University of Central Florida, formerly Florida Technological University from its beginnings in 1963 to the current day. Materials are selected, preserved, and made accessible for their enduring historical and administrative value to the University. These records may be paper-based, or in other formats such as photographs, audio, or film; they are appraised for their content."

A "Project Statistics" box on the right contains the following data:

| | |
|-----------------|---------|
| Total Records: | 216 |
| Total Images: | 17343 |
| Total Size: | 1.34 TB |
| Total Uploaded: | 96 |

At the bottom, there is a search interface with the following elements:

- Search all fields:** A text input field containing "Search all words" and a "Search Archives" button.
- Contributing Unit:** A dropdown menu with options: Accounting, Administration, Admissions, Chemistry, Computer Science, and Creative School.
- People:** A dropdown menu with options: Ana Rivera and Anita Choice.



Current repository support



- For UCF, our only back up solution is the FDA or Florida Digital Archive, but this is not a functional repository for archivists in terms of accessioning, processing, etc. or an accessible solution for patrons.
- Also, it is only available to the State University System of Florida, although their partners are, so partnership may be key for private institutions, academic or otherwise.
- The FDA repository stores approximately 112 terabytes of archived materials, representing over 70 million files submitted by eleven universities, making the FDA one of the largest digital repositories in the U.S.



Advocacy & Planning

- The physical development of the IR is on hold as we await action by administration
- The importance of advocating for archives, while others in the group are gaining support from other stakeholders
- Continuing to the best that we can until we are able to fulfill our part of the lifecycle.



Conclusion – Partnering via the Lifecycle

- The Lifecycle at UCF provides a way to visualize research, records, etc. and how to manage them that takes into account the whole environment
- This allows for more comprehensive planning for all involved.
- While no plan is fool proof or perfect, this type of overview can be a benefit in terms of time, money, and ease of access for materials that might otherwise be lost or are simply too hard to find.
- This collaboration is taking place across the university, through partnerships between the library and other entities on campus, as well as within the library between departments.