Faculty Scholarship and Creative Works

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The Research Lifecycle: A library-led institutional collaboration to develop a mental model of research support and services

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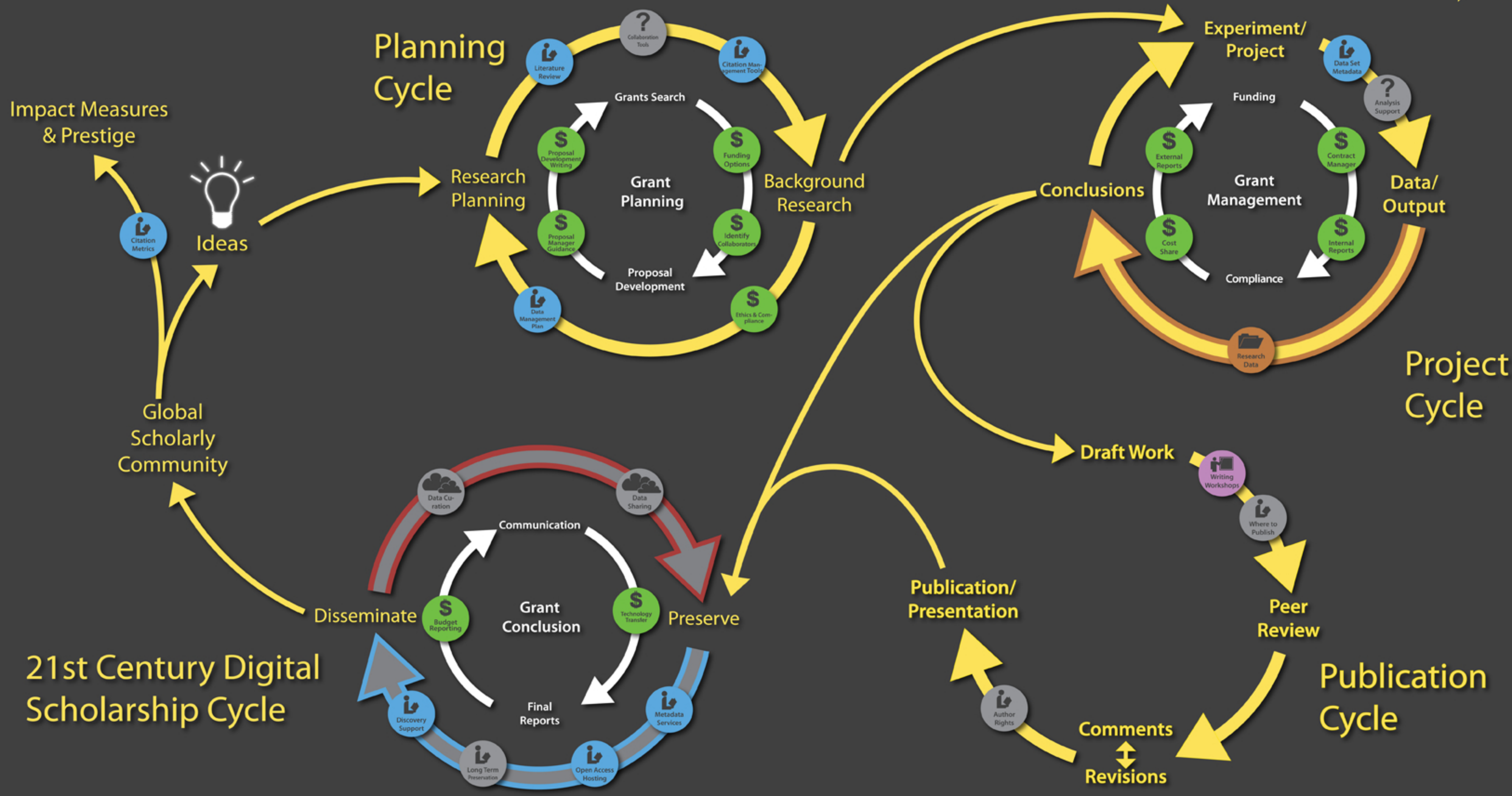*University of Central Florida*, lee.dotson@ucf.edu

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The Research Lifecycle at Univ of Central FL

A library-led institutional collaboration to develop a mental model of research support and services

Lifecycle

Planning Cycle

- Impact Measures & Prestige
- Ideas
- Citation Metrics
- Research Planning
- Grant Planning
- Background Research
- Literature Review
- Collaboration Tools
- Citation Management Tools
- Grants Search
- Funding Options
- Proposal Development Writing
- Identify Collaborators
- Proposal Manager Guidance
- Proposal Development
- Data Management Plan
- Ethics & Compliance
- Global Scholarly Community

Project Cycle

- Experiment/ Project
- Conclusions
- Grant Management
- Data/ Output
- Funding
- Analysis Support
- Data Set Metadata
- External Reports
- Contract Manager
- Cost Share
- Internal Reports
- Compliance
- Research Data

Publication Cycle

- Draft Work
- Peer Review
- Writing Workshops
- Where to Publish
- Publication/ Presentation
- Comments
- Revisions
- Author Rights

21st Century Digital Scholarship Cycle

- Disseminate
- Preserve
- Grant Conclusion
- Data Curation
- Data Sharing
- Communication
- Technology Transfer
- Budget Reporting
- Final Reports
- Discovery Support
- Metadata Services
- Long Term Preservation
- Open Access Hosting

Legend

- Research Data Management
- Faculty Center for Teaching and Learning
- Libraries
- Office of Research and Commercialization
- Institute for Simulation & Training
- Not yet supported
- Institutional Repository
- High Performance Computing
- Research Data Management Infrastructure

Design Inspiration by OpenWetWare

Timeline

2010

November — Office of Research & Commercialization (ORC) contacted Library to request help with NSF requirement for data management plans (DMP).

2011

February — ORC contacted faculty regarding current data practices and DMP information.

March — Hosted Data Management Forum with ORC.

June — Invited by ORC to present to NSF applicants - constructing literature reviews for proposals.

December — Met with Vice-Provost for Information Technologies & Resources to discuss Scholarly Communication & data management issues.

2012

February — Created mental model of the Research Lifecycle.

April — Invited by ORC to present to NSF applicants - DMPs and literature review.

May — Presented workshop to faculty on ResearcherID and other hosting sites.

June — Discussed the Research Lifecycle with ORC, Institute for Simulation & Training (IS&T) and Faculty Center for Teaching & Learning (FCTL).

August — Presented the Research Lifecycle to the Provost and Vice-Provost for Information Technologies & Resources and solicited faculty feedback.

October — Shared the Research Lifecycle with the Faculty Senate Library Advisory Council and College of Medicine librarians.

November — Presented the Research Lifecycle at ORC Grants Day.

December — Presented the Research Lifecycle at the FCTL Winter Institute.

2013

March — Presented the Research Lifecycle at a Nursing Research Roundtable.

Upcoming — Invited to present the Research Lifecycle at the Provost's Council; plan to discuss the implications of the Research Lifecycle with the Faculty Senate and other UCF Programs.

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