

Library Services for Agrilife Research

Carolyn Jackson, Agriculture and Life Sciences Librarian

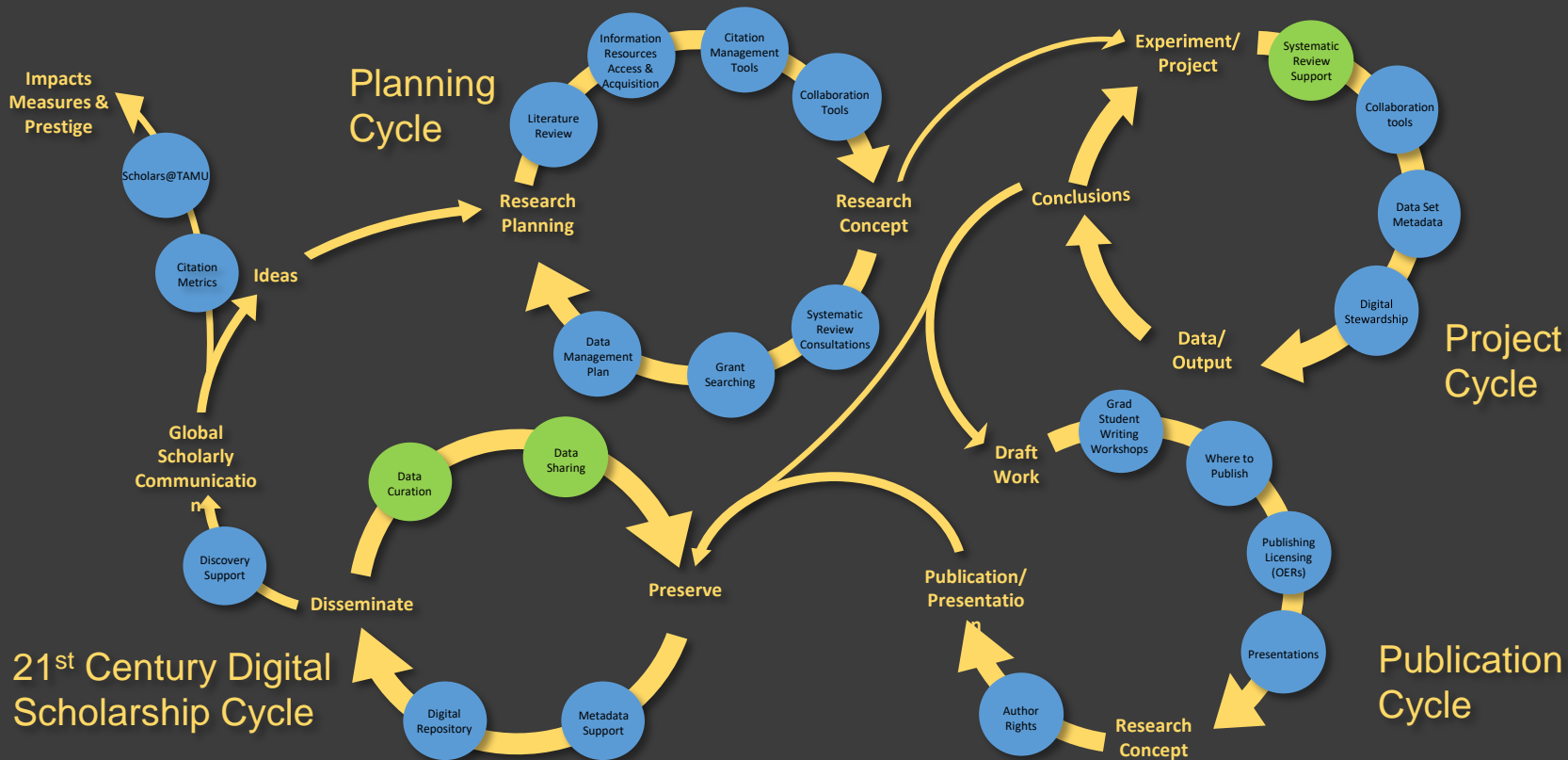
John Watts, Director, Data Management

Dr. Bruce Herbert, Director, Scholarly Communications



A Time for Research Distancing

Research Lifecycle at Texas A&M University



All content is available under the Creative Commons Attribution-ShareAlike License. <http://creativecommons.org/licenses/by-sa/3.0/us/>

Legend

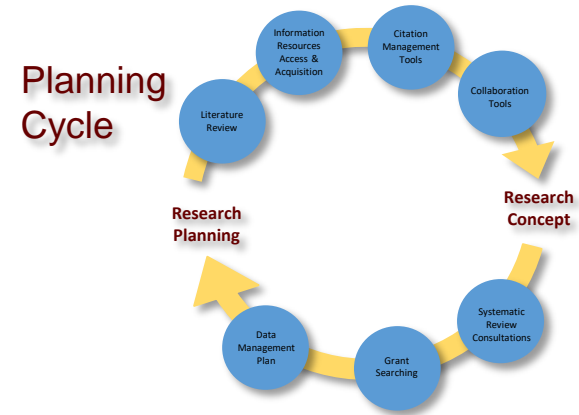


Library Services



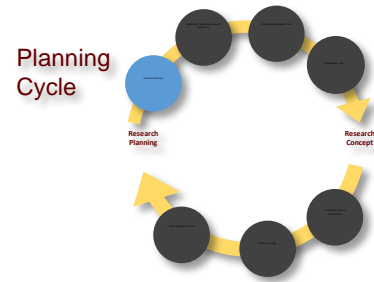
Limited/Specialized Library Services

Based on the model and design *Research Lifecycle at University of Central FL* available at <https://library.ucf.edu/wp-content/uploads/sites/5/2017/06/research-life-cycle.png>



Planning

Literature Review



Custom Search

AUP Searches <https://tamu.libguides.com/AUP>

Specialized Review Consultations <https://tamu.libguides.com/systematicreviews>

- Scoping Reviews
- Mapping Reviews
- Systematic Reviews



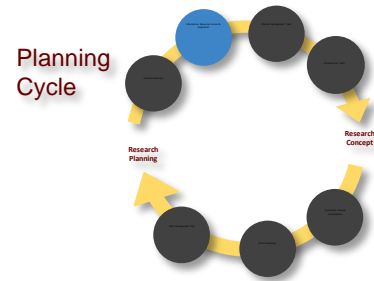
Information Resource Access

Get it For Me

- Interlibrary loan
- Document Delivery

Suggest a Purchase

- Automatic Purchase <\$250
- Selector Approved Purchase >\$250 - \$2,000
- Approved by committee \$2,000 - \$10,000
- Big Ticket - reviewed annually >\$10,000
- Serials - only available with \$ for \$ substitution



Expect changes as budgets tighten

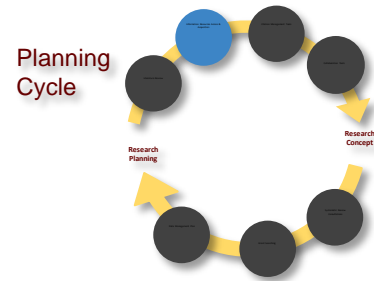


Information Resource Access

BrowZine - <https://browzine.com/>

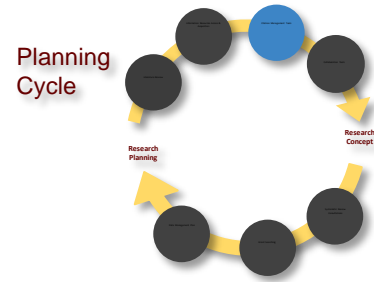
Interested in staying current with new articles published in journals in your field? BrowZine is an app that interacts with the Libraries' full text subscriptions providing easy access to our full text content and allows you to add specific journals you'd like to stay updated on to a personal bookshelf within the app.

- Available on the App Store and Google Play.
- Choose Texas A&M University as your affiliation and logon with your NetID.
- Browser-based version - go to the Medical Science Library's homepage at <http://msl.library.tamu.edu> click the *databases* link, select *Browzine web* from the list of popular databases.
- Get push notifications every time a new issue of the journal is published.
- Scan titles and abstracts available in this new issue.
- Read full text of each article, download it as a PDF, or send the citation information to citation management software.



Expect changes as budgets tighten

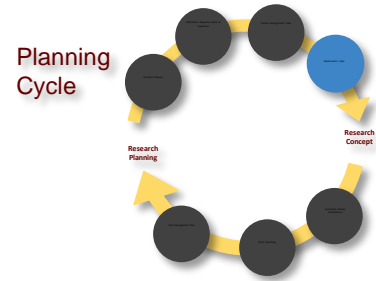
Citation Management Tools





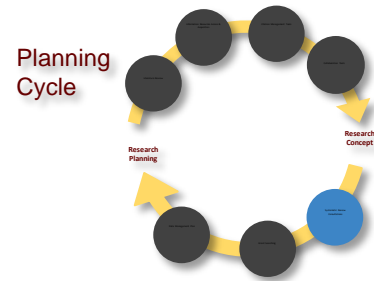
Collaboration Tools

- Systematic Reviews Tools
 - SysRev - <https://sysrev.com/>
 - Covidence - *available via librarians*
<https://www.covidence.org/home>
 - Rayyan - <https://rayyan.qcri.org/>
- Scholars@TAMU Researcher Profiles
<https://scholars.library.tamu.edu/vivo/>
- [Pivot Database](#)

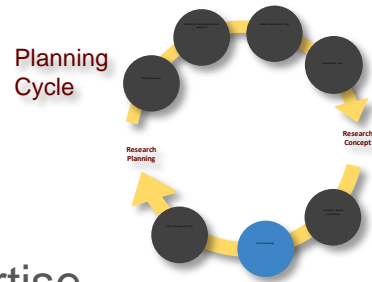


Systematic Reviews Consultations

- Consultations
- Workshops
- Webinars
- Tools & Resources
 - Joanna Briggs Institute tools, such as SUMARI
 - Agency for Healthcare Research & Quality (AHRQ) [Systematic Review Data Repository](#)
 - [SysRev](#): free online software for sorting and labeling articles
 - Covidence: *under review*
 - Critical Appraisal tools



Grant Searching & Writing Tools



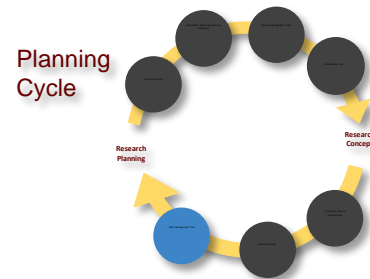
Pivot - Pivot includes COS Funding Opportunities and COS Expertise.

- research opportunities
- funding
- collaboration

Foundation Directory Online

- Search for grants, grantmakers, companies, and 990s.

Data Management Plans



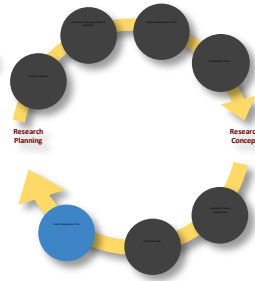
<https://dmptool.org/>

Online forms for writing funding agency data management plans

- share with collaborators
- help text for answering questions
- resources for best practices

Data Management Plans

Planning
Cycle



Templates & Consultation

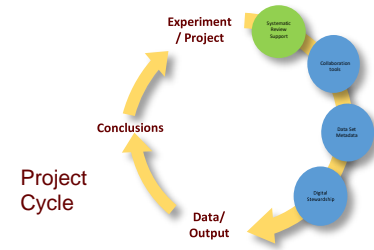
bit.ly/tamudata

Copy and paste relevant text for your DMP or consult with us.

- metadata
- archiving/sharing

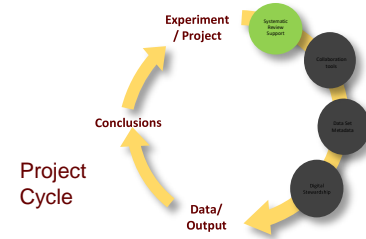


LIBRARIES
TEXAS A&M UNIVERSITY



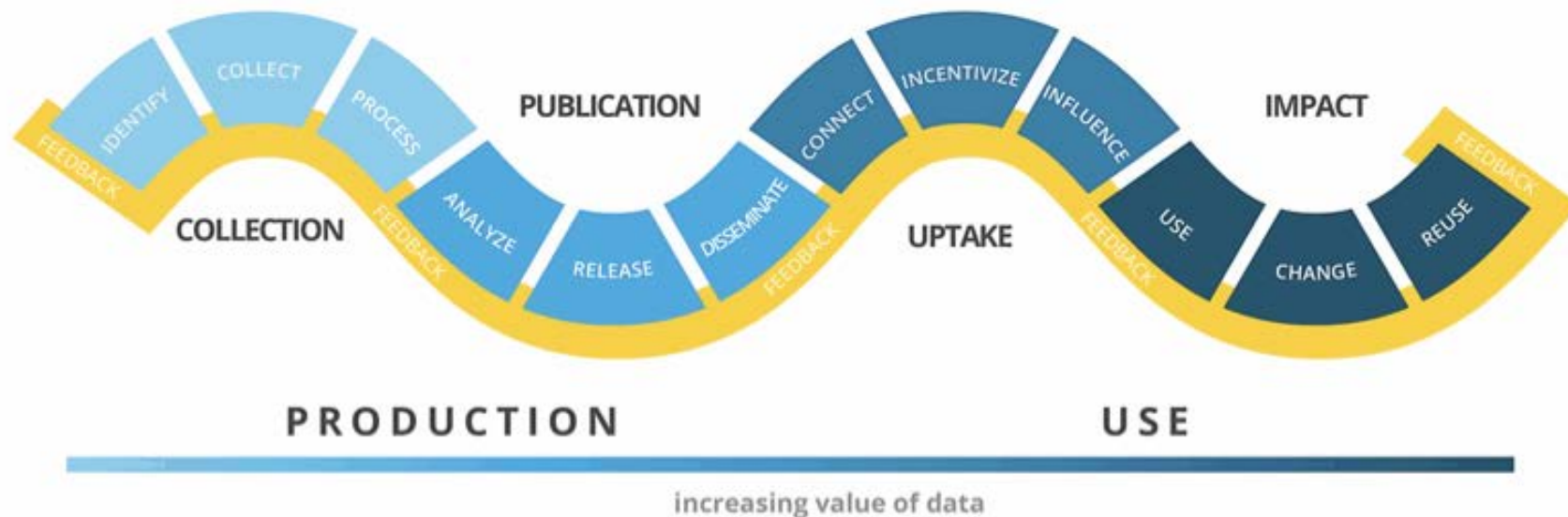
Project Management

Systematic Reviews Support



- Support and guidance throughout the research process
- [TAMU SR Services](#) - Margaret Foster, SR Librarian.
 - *Not all librarians are trained in SR methods.*

Data Value Chain



Data sharing benefits the researcher, research sponsors, data repositories, the scientific community, and the public. It encourages more connection and collaboration between scientists, and better science leads to better decisionmaking.

<https://www.usgs.gov/products/data-and-tools/data-management/why-share-your-data>

But...

- There is a lot of data!
- Data can be messy and incomprehensible (lack of context)
- Data gets messier in large, distributed, interdisciplinary teams

Data Management Strategies

Open Workshops

- Available to all TAMU researchers
- Popular with graduate students

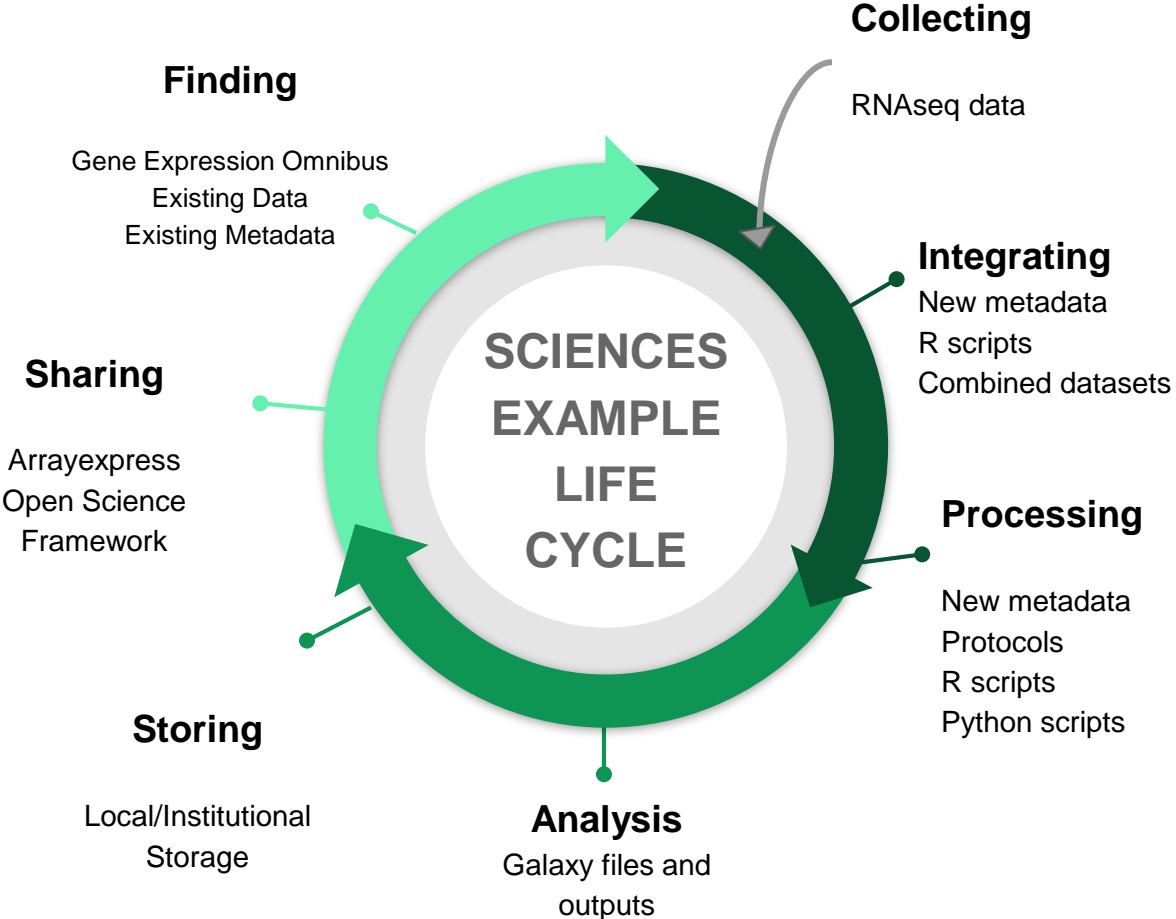
Custom Workshops

- Facilitate learning and planning for specific needs of your team

Topics:

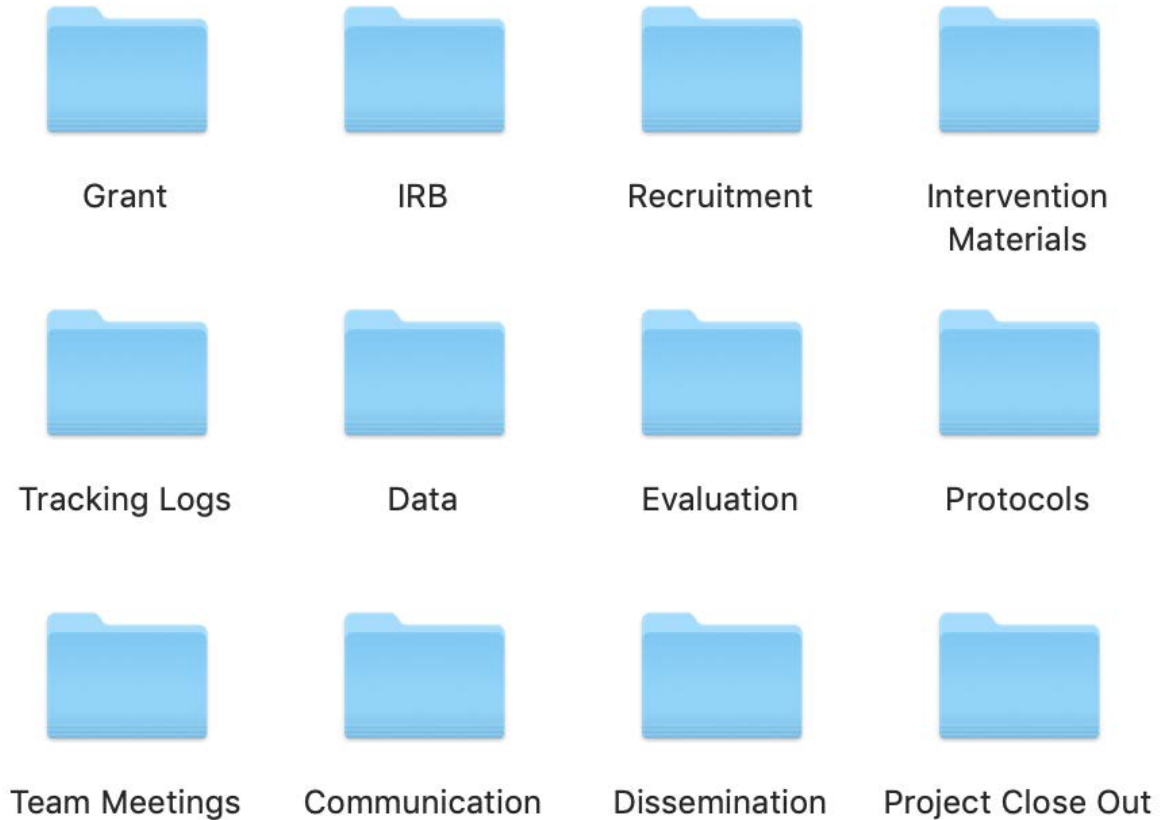
- Workflow management
- Documentation
- File organization
- Storage
- Roles and responsibilities

Research Data Workflows



File Organization

- **By stage**
- By data type
- By research activities
- By materials



File Organization (Dates)

Sort, *without* standard dates

Code_descriptions_**12-8-15**.docx

Code_descriptions_**2-14-2015**.docx

Code_descriptions_**8-1-2015**.docx

Sort, *with* standard dates

Code_descriptions_**20150214**.docx

Code_descriptions_**20150801**.docx

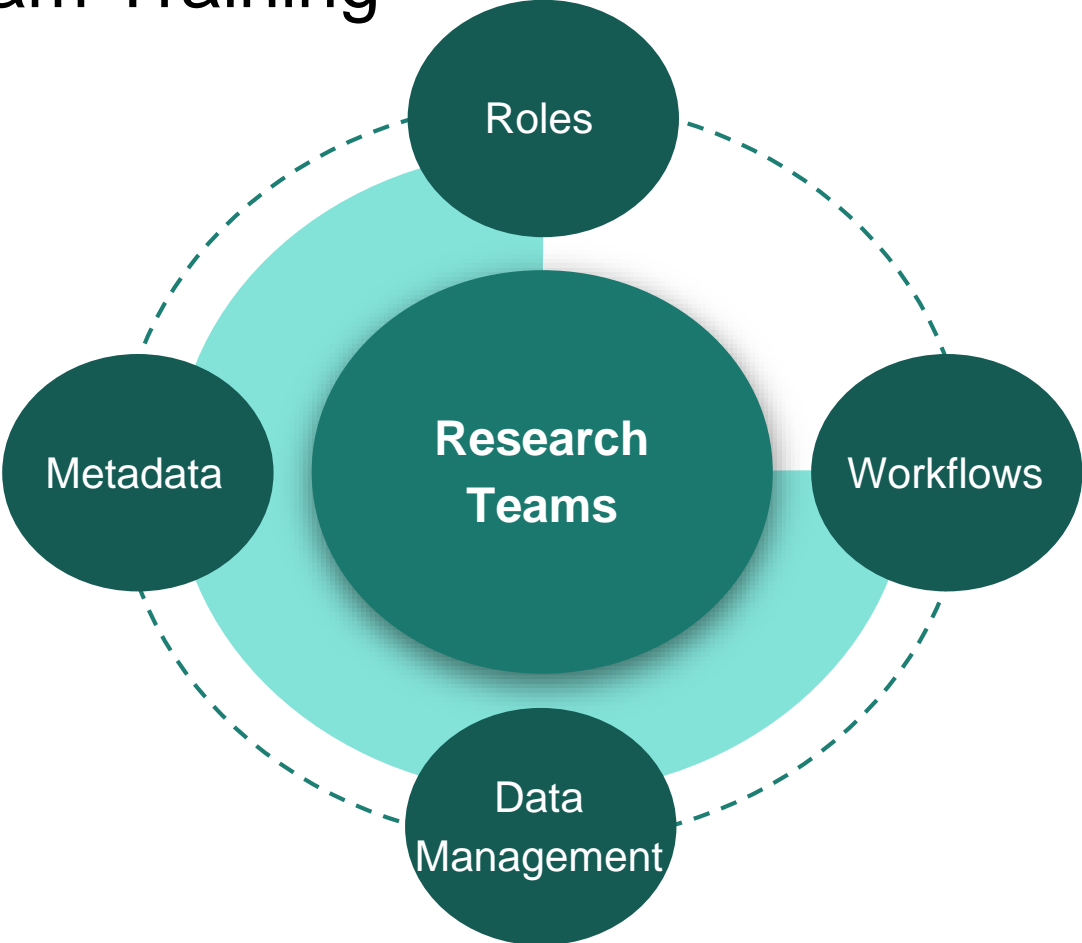
Code_descriptions_**20151208**.docx



Storage Options

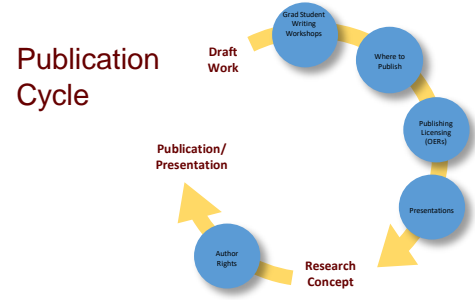
Storage	Sensitive data	Non-public data	Distributed collaboration
Dept. Managed Servers	✓	✓	✗
Encrypted Drive/Container	✓	✓	✗
Personal Drive	✗	✓	✗
TAMU Google Drive	✗	✓	✓
TAMU OneDrive	✗	✓	✓
Syncplicity	✗	✓	✓
Email (TAMU or Personal)	✗	✗	✗

Custom Team Training



Role and Responsibilities

Responsibility		Primary Investigator	Post Doctoral Fellow	Details
1	Access control	✓	✗	<ul style="list-style-type: none">responsible for regulating access to data based on the roles of the authorized user...
2	Data collection/ data generation	✗	✓	<ul style="list-style-type: none">responsible for data collection and creation (research, locate, identify, and measure), data entry...
3	Quality control	✓	✗	<ul style="list-style-type: none">responsible for performing quality assurance and quality control. It involves testing, reviewing, cleansing of data...



Publishing & Preserving

Open Sharing of Research Papers and the Data

PeerJ Computer Science

ARTICLES PREPRINTS More - SUBMIT ARTICLE Login

2-year citation median PeerJ articles

4

17 Subscribers Download as PDF

Ontogeny in the tube-crested dinosaur *Parasaurolophus* (Hadrosauridae) and heterochrony in hadrosaurids

Andrew A. Farke¹, Derek J. Chok², Annisa Herrero², Brandon Scolleri², Sarah Werning²

Published October 22, 2013
PubMed 24167777

PeerJ Part of the PeerJ PeerJ PLOS 2014 Collection

Part of the PeerJ Top Paleontology Papers - October 2014

July 1, 2014: **(Minor Correction):** "FMNH" was inadvertently omitted from the list of institutional abbreviations. The abbreviation list should include: FMNH, Field Museum of Natural History, Chicago, Illinois, USA.

Also see the associated PeerJ guest blog post by author Andrew Farke on this paper as well as the "Dinosaur Joe" website built specifically for this new find.

Peer Review History
Articles citing this paper: 1
Questions: 2
Links: 4

Subject areas
Evolutionary Studies
Paleontology
Zoology

23,954 29,341 1,368
Visitors Views Downloads

View all metrics + mentions on the Web

> Author and article information

<https://peerj.com/articles/182/#supplemental-information>



JOE THE DINOSAUR

JOE'S DISCOVERY

JOE'S BONES

JOE'S LIFE

JOE'S HOME

JOE'S RECONSTRUCTED SKULL



This reconstruction shows how the skull of "Joe" the baby *Parasaurtophus* might have looked when complete. The keratinous beak has been included here; its attachment to the bone is shown by a subtle line around the upper beak. The model was based upon CT scans of the fossil skull, with missing parts filled in from related dinosaurs.

Reconstruction copyright [Viktor Suvakov](#), used with permission.

Having trouble viewing the model? This 3D viewer works best on Firefox, Chrome, and Safari (no Internet Explorer, sorry!). Many of the files are viewable as 3D PDFs (via Adobe Acrobat) for download from the [journal article at PeerJ](#), including a 3D pdf of the skull. A table with links to all of the raw data hosted at [Figshare](#) (including printable STL files) is available at [PeerJ](#).

Models
Thanks

Copyright © 2015
Hammond All Museum
All Rights Reserved

Open Data

Open Sharing of the Paper and the Data

<http://dinosaurjoe.org/joes-bones/digital-joe/joes-skull-reconstruction/>

Emerging Issue: Open Access

Open Access

A movement in higher education to increase access to scholarly research and communication, not limiting it solely to subscribers or purchasers of works.

- Open Access literature is digital, online, free of charge, and free of most copyright and licensing restrictions
- Works are still covered by copyright law, but Open Access terms apply to allow sharing and reuse
- All major OA initiatives for scientific and scholarly literature insist on the importance of peer review

<http://sparc.arl.org/issues/open-access>



Texas A&M University
A Land Grant, Space Grant, and
Sea Grant Institution



Supports:

- Data in any file type
- Data from any discipline
- Individual files up to 4GB
- Data without confidential or sensitive information

Search the Texas Data Repository

Search...



Add Data



Explore Data Repository



Learn More



Get Help

Publish and Track Your Data, Discover and Reuse Others' Data!

POWERED BY
Dataverse 

<https://data.tdl.org/>



Meets data sharing requirements from funding agencies and publishers.

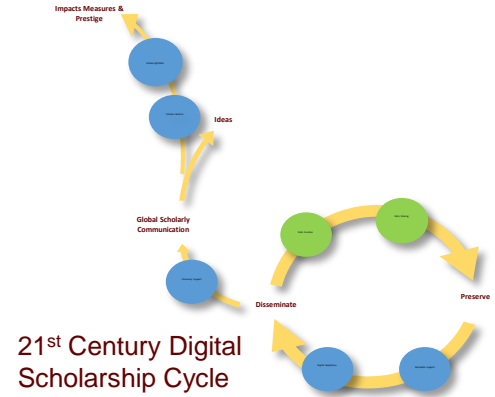
- Crawled by Google
- Metadata and documentation standards
- Provides persistent access (DOI)
- Preserves data beyond the lifecycle of a project
- Increases scholarly impact metrics



Librarians provide guidance on:

- Preparing data for deposit
- Appropriate file formats, metadata, documentation and licensing options

Reputation, Impact & Discovery



(Re)Claiming Your Narrative



"The personal statement ... is your opportunity to make your own case. The statement communicates a quick sense of whether you know who you are, where you've been, and where you're going in your career."

Texas A&M Tenure & Promotion
Guidelines

<http://www.aaup.org/reports-and-publications/academe>

SCHOLARS@TAMU

Home People Organizations Research About

EDIT MY PROFILE

Find Research at Texas A&M University

Q Search People...

Discovery | Search Tips



Herbert, Bruce

Professor

Positions:

Professor, Geology and Geophysics, College of Geosciences

Director, Office of Scholarly Communications and Professor, University Libraries

Member, Engineering Education Research Taskforce, College of Engineering

Single Page Bio

beherbert@tamu.edu

1 979 845 1083

Co-author Network

Map of Science

Co-investigator Network

Websites

Library Profile

Google Scholar

My Research Homepage

Mendeley profile

Scholar Plot of BE Herbert

ORCID

0000-0002-6736-1148

Research Areas:

Science—Study and teaching,
 Communication in learning and
 scholarship, Research—Management, Open
 access, Academic-industrial collaboration,
 Soils—Quality, Education, Higher,
 Geochemistry, Libraries, Environmental
 education

Twitter

Tweets by @drbruceherbert

Dr Bruce Herbert Retweeted

 Tracy Hammond
 @tracyhammond

TamuSri: A Survey to Measure the Effects of
 Forced Transition to 100% Online Learning on
 Community Schools. [Fulltext of Social Isolation](#)

About Academic Background Publications Grants/Awards Recent Courses Works By Students

Contact View All

Overview

I currently serve as the Director of the Office of Scholarly Communications in the Sterling C. Evans Library at Texas A&M University. As Director of OSC, I am responsible for strengthening the Library's efforts in scholarly communications and open access through engagement and collaboration with the faculty across campus at Texas A&M University. In addition, we are developing library services that support interdisciplinary research teams and enhance research translation and the societal impact of Texas A&M's research.

My scientific research explored questions concerning biogeochemical processes that mediate the interactions between human society and ecosystems, including the fate and bioavailability of contaminants, natural and human perturbations of nutrient and organic carbon, and human impacts on ecosystem functioning.

In addition, I am actively pursuing research that characterizes human understanding of complex earth systems; the professional development of future faculty and teachers; and the design of tertiary educational programs that promote learning for all students, develop synergy between educational and research activities, and address major societal issues. I have served as the Associate Director of Geosciences in the NSF-supported Information Technology in Science (ITS) Center for Learning and Teaching at Texas A&M University, the principal investigator of the NSF Teacher Professional Continuum program entitled Professional Learning Community Model for Alternative Pathways in Teaching Science and Mathematics, PLC-MAP, and co-PI of the NSF-sponsored CIRTL Network - Shaping, Connecting, and Supporting the Future National STEM Faculty.

Education And Training

Scholars@TAMU Profiles

- Searchable expertise
- Include APT Faculty
- Customize Profiles

Click on “Update Your Profile” and upload your CV

Disseminate/Publish Faculty Work

The screenshot shows the OAKTrust website. At the top, it says "Texas A&M University Libraries" and "OAKTrust". Below that, there are navigation links for "Home", "Programs, Centers, and Institutes", and "About". The main content area is titled "Programs, Centers, and Institutes" and includes a search bar, a list of categories (All of OAKTrust, Communities & Collections, By Issue Date, Authors, Title, Subjects, Department), and a section for "Contents of this community" with a search bar and a link to "Programs, Centers, and Institutes". There is also a "Recent Submissions" section with a heading "Experiential Learning in Undergraduate Research" and a list of articles.

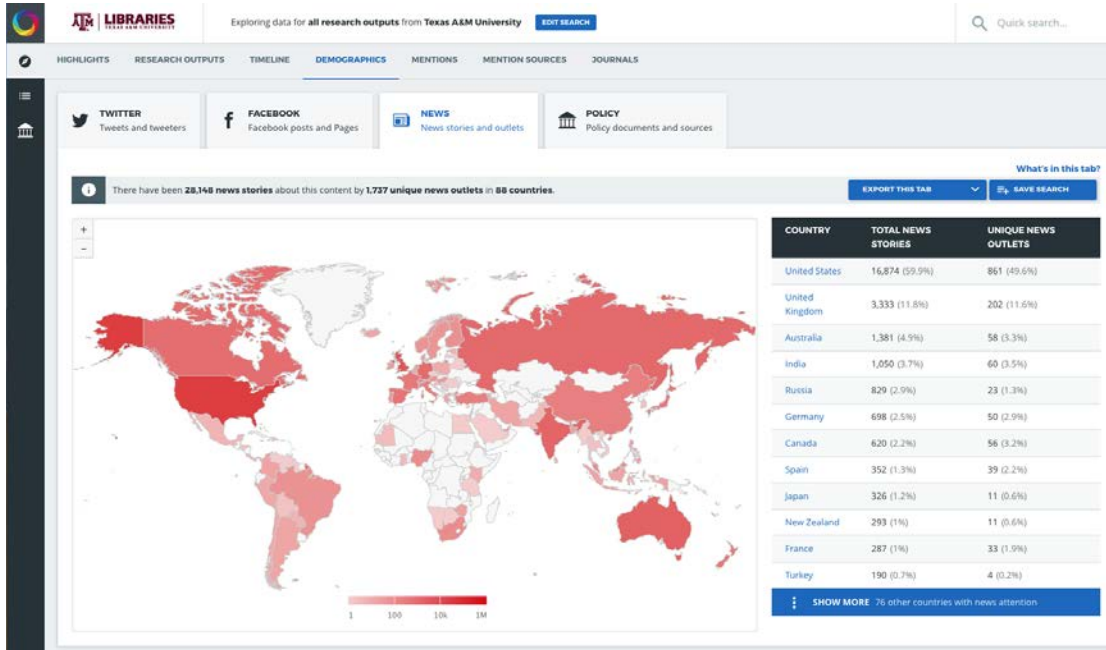


The screenshot shows the Scholars@TAMU website. At the top, it says "Texas A&M University Libraries" and "SCHOLARS@TAMU". Below that, there are navigation links for "Home", "People", "Organizations", "Research", and "About". The main content area is titled "Herbert, Bruce | Professor" and includes a profile picture, a list of titles (Director, Office of Scholarly Communications and Professor, University Libraries, Texas A&M University, Professor, Graduate and Postdoctoral, College of Geosciences), a bio, a list of research areas (Academic, industrial collaboration, Communication in learning and administrative, Open access, Research, Management, Data—Quality), and a list of publications (Institutional repository document, Herbert, S., Seark, D., & Herbert, S. (2018). An Open Access Policy at Texas A&M University, Lee, D. J., Herbert, S., Hoja, E., Hahn, D., & Bilton, M. (2018). Characterizing Cellulose-based Research Scientists Using Data from a Research Information Management System, Herbert, S. E., Hartnett, C., Hubbard, D., & Ostrowski, A. J. (2018). OAK Fund Annual Report: 2015-2018, Herbert, S. E. (2018). OAK Fund Annual Report: 2016-2017, Herbert, S. E. (2018). OAK Fund Annual Report: 2017-2018).

oaktrust.tamu.edu

“Publish” open access versions of research papers on Texas A&M’s Institutional Repository, and the references show up in the Scholars@TAMU and Google Scholar Profiles.

New Impact (Alt)Metrics Available



Track the scholarly and societal impact of faculty, departmental and College impact

Global newspaper stories highlighting research from the TAMU's College of Engineering

Want to learn more?

- Library Workshops <https://library.tamu.edu/> or schedule a workshop or consultation for your department or center or lab group
- Subject Research Guides <http://tamu.libguides.com/libguides>
- AgriLife Research Guide <http://tamu.libguides.com/AgriLifeExtension>
- Contact AgriLife library liaison:

Carolyn Jackson
Ag & Life Sciences Librarian
csj@tamu.edu
979.458.0315