

Launch your Research Workflow

with help from the library

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Books, e-books, articles and more



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Earth Sciences & Map Library

Hours

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◀ Jul 28 - Aug 3 ▶	Sun	Mon	Tue	Wed	Thu	Fri	Sat
Earth Sciences & Map Library	Closed	9am-5pm	9am-5pm	9am-5pm	9am-5pm	9am-5pm	Closed
Reference Service	Closed	1pm-3pm	1pm-3pm	1pm-3pm	1pm-3pm	1pm-3pm	Closed

Key resources

[Air Photos and Remote Sensing](#)
[Books and eBooks](#)
[GIS guide](#)
[Maps, Atlases and Gazetteers](#)
[Digital Sanborn Maps](#)
[GeoData@UC Berkeley](#)
[Journals](#)

Key databases

[GeoRef](#)
[Scopus](#)
[Web of Science](#)
[EarthArXiv](#)
[Earth & Planetary Science
databases](#)
[Geography databases](#)

Subject guides

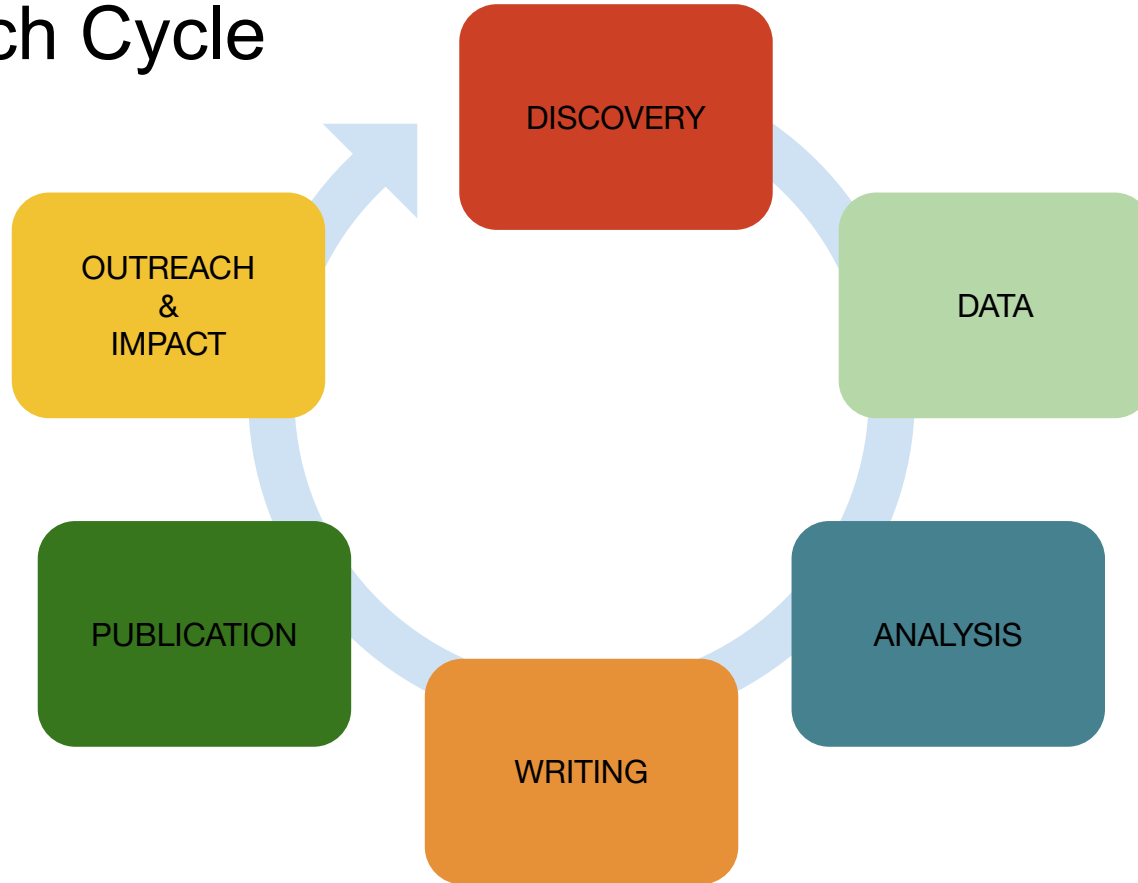
[Climate and Atmospheric Science](#)
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Services

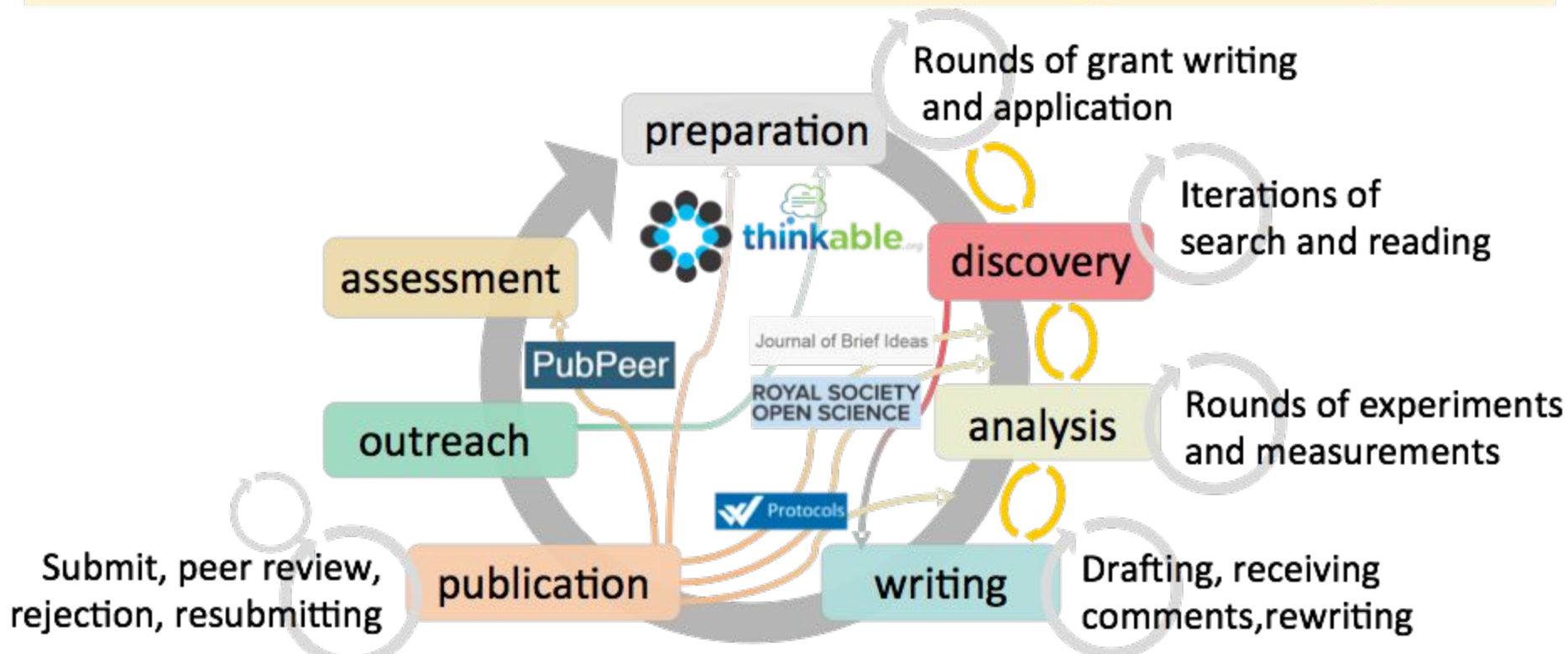
Workshop Series plan

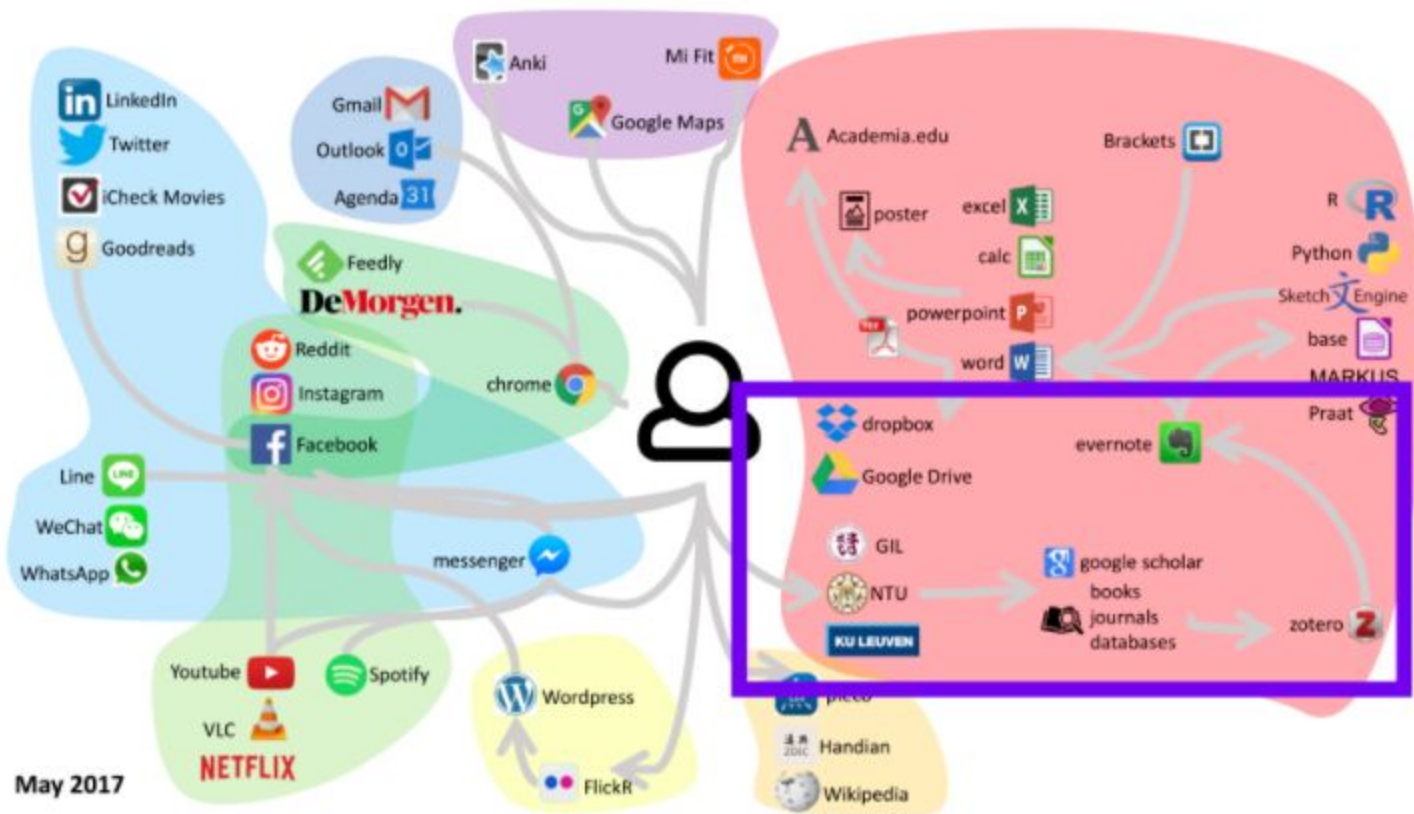
- 8/21: Introduction to Research Workflows and Literature Searching
- 8/30: Citation Management
- 9/13: Dynamic data management, publishing and citation
- 9/20: Collaborative writing in LaTeX with Overleaf
- 9/27: Jupyter Notebooks best practices
- 10/4: Approaches to Github and reproducible code
- TBD: Publishing and authorship trends in the Earth Sciences
- 10/24: Geodeepdive visit

Research Cycle

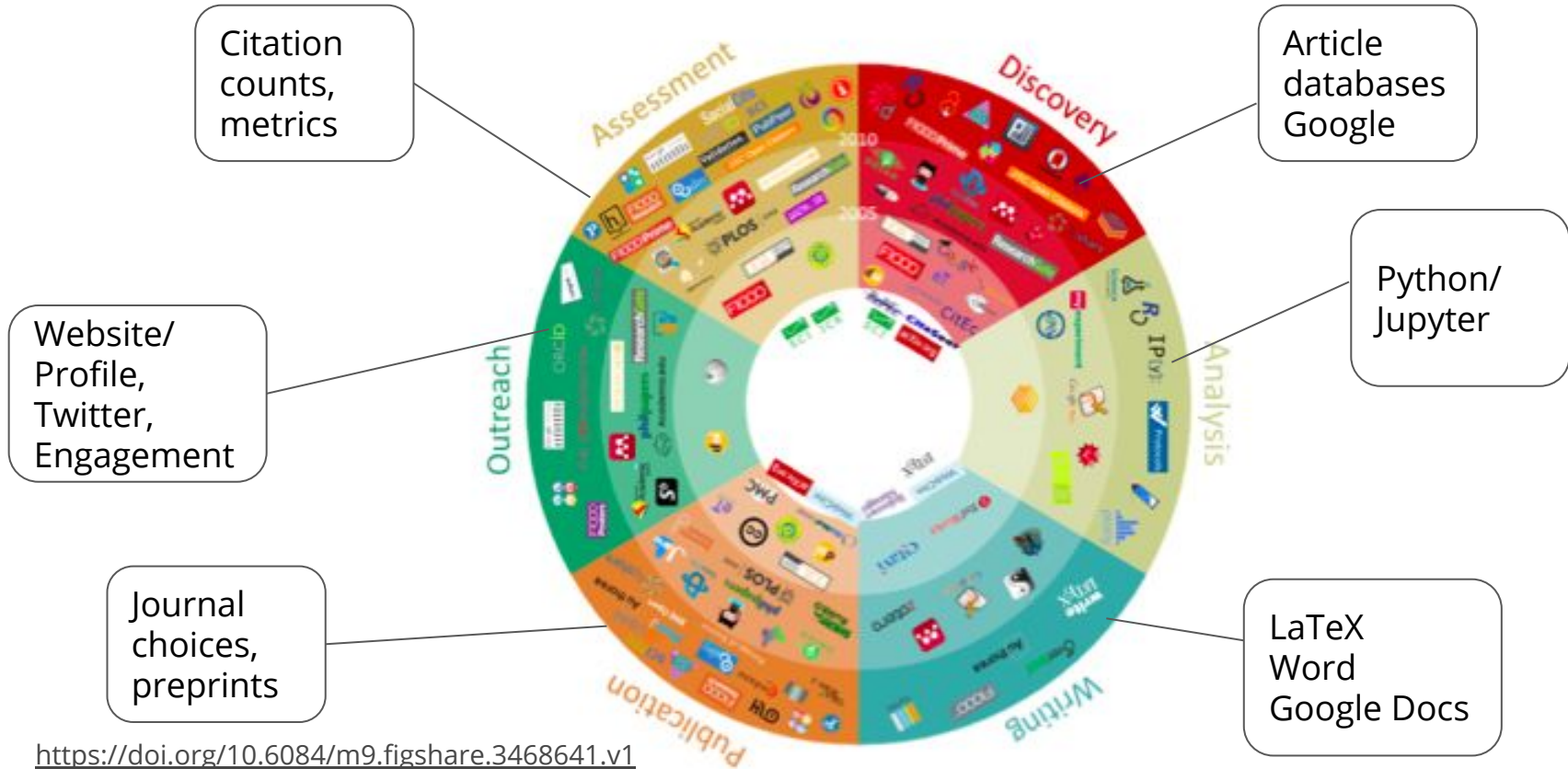


A multi-cyclic, multi-ordered model of the research workflow, with loops

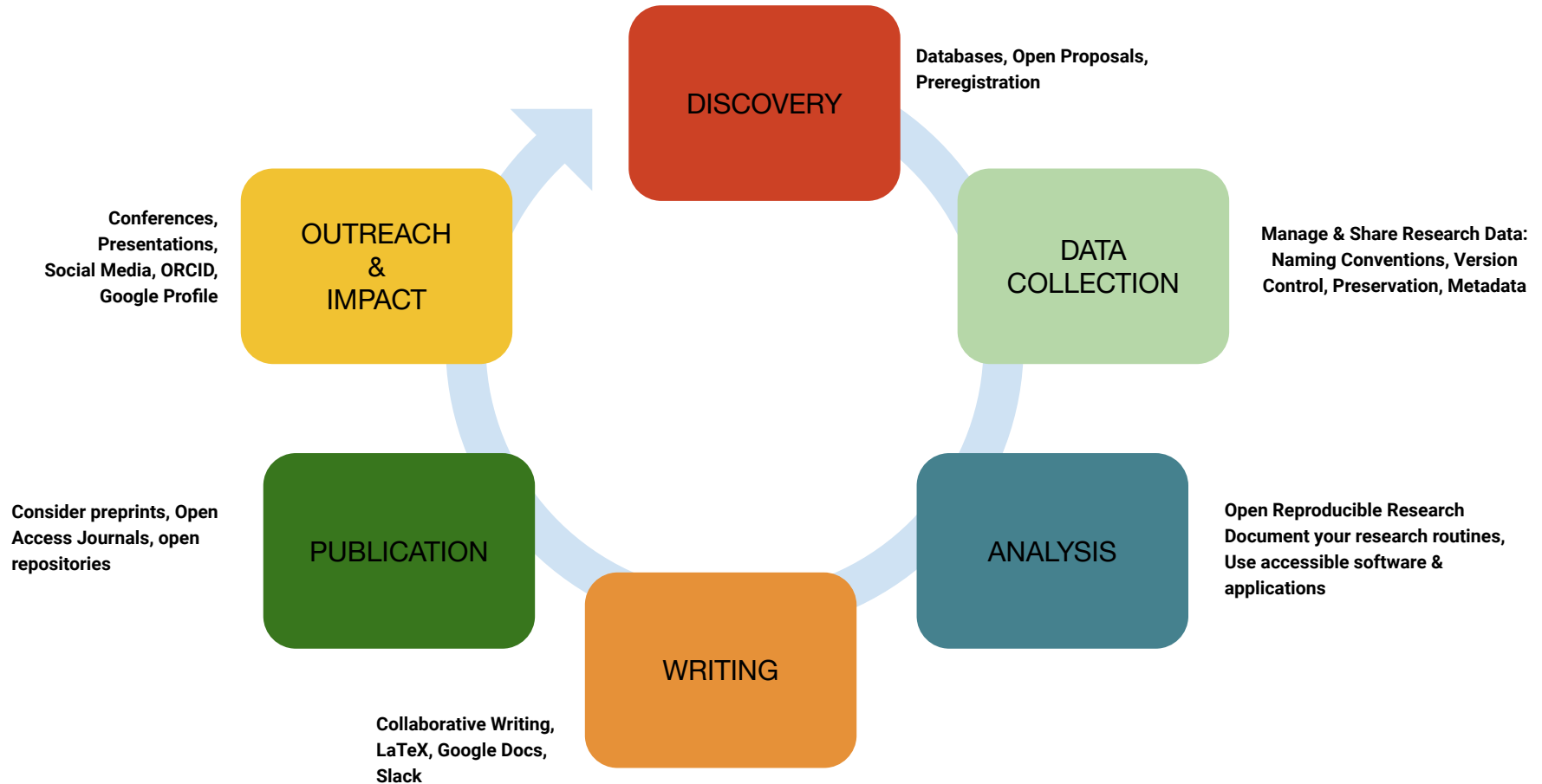




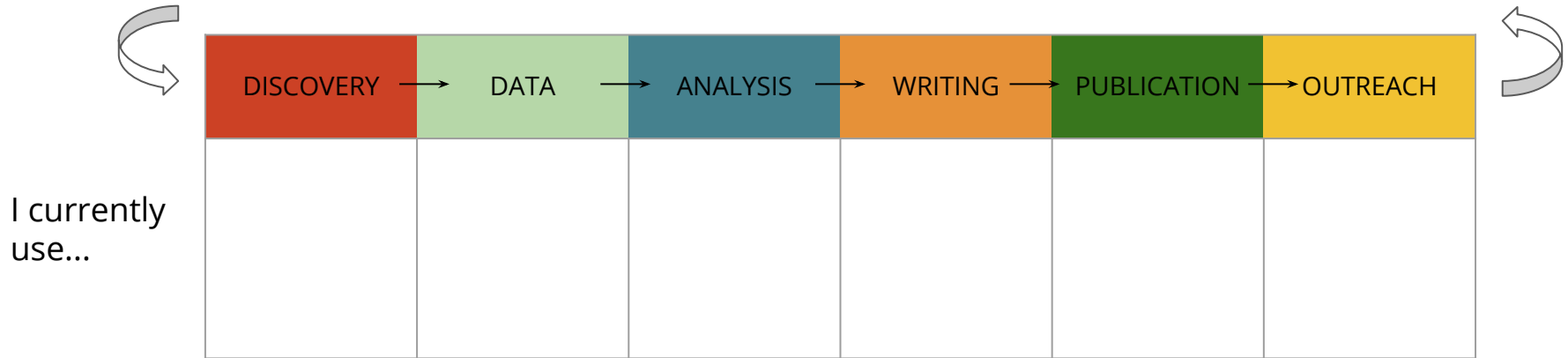
Workflow = Research Cycle + Products




Opening up the Research Cycle



Note your current workflow components



Draft your future workflow



	DISCOVERY	DATA	ANALYSIS	WRITING	PUBLICATION	OUTREACH
I currently use...	GOOGLE SCHOLAR			WORD GOOGLE DOCS	?	TRIED RESEARCH-GATE
I plan to try...						

Today: discovery in the Berkeley context

<http://www.lib.berkeley.edu/libraries/earth-sciences-library>

1. Searching for journal articles; evaluating database options
2. Setting up search alerts
3. Tools and other library resources

1. Journal articles and databases

Earth Science specific:

- [GeoRef](#)
- [Geoscienceworld](#)
- [EarthArXiv](#)

General:

- [Start Your Search](#) - Library homepage
- [Web of Science](#)
- [Scopus](#)
- [Google Scholar](#)

[Comparison chart](#) from Iowa State

Exercise 1: Database comparison

Team up with a partner or small group.

Select two databases from the “Key Databases” list on the Earth Science Library’s website.

You can also use Google Scholar for comparison.

Perform the same search on each platform.

Sort the results the same way for each database, either by relevance or date.

Then spend a few minutes discussing similarities and differences within your group.

2. Setting search alerts

Options:

- Databases
 - Ex: Web of Science - save your search, set up alert; set up citation alert
 - Google Scholar - topic and author alerts
- Twitter
 - Follow people/organizations in your field that are active on Science Twitter
- Track RSS feeds from journals in your field
 - Ex: <https://www.nature.com/ngeo/web-feeds>

Exercise: Set up Google Scholar alert

Set up one author/article **alert** to track current research.
You might choose a topic or a person to follow.

TOPIC ALERTS	AUTHOR ALERTS
<ol style="list-style-type: none">1. Click on the three horizontal lines in the upper left of the Scholar home page.2. Click on alerts.3. Click "Create Alert."4. Add topic of interest in "alert query" box.5. Click "Create Alert" again.	<ol style="list-style-type: none">1. Search for author profile in Google Scholar.2. Ex. Search for your advisor or another researcher's whose work is relevant.3. Click on user name, and "follow."

3. Tools & Services

- Connect from off campus using the [library proxy](#) or [VPN](#).
- Find books and ebooks in Oskicat (oskicat.berkeley.edu). Page items from any campus library or NRLF to be retrieved and held for pick-up at any library on campus. Use the **request** button in Oskicat.
- Get journal articles not available through the UC Berkeley Libraries with our [Rush article request service](#).
- **RLCP** is a cooperative service that allows you to request PDFs or print books from the Stanford Library. The service is free to you.
- Use [Interlibrary loan](#) to borrow less urgent materials not available at UC Berkeley.
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Questions?

Email: steplitz@berkeley.edu

Appointments: calendly.com/teplitzky

Slides: <http://ucblib.link/epsworkflow>