

Scholarly Communications

Trends in the Earth Sciences;
Opportunities for librarians

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http://ucplib.link/GL101_scholcom

Scholarly Communications

Definition: the system through which research and other scholarly writings are **created**, **evaluated** for quality, **disseminated** to the scholarly community, and **preserved** for future use

Scholarly Communications

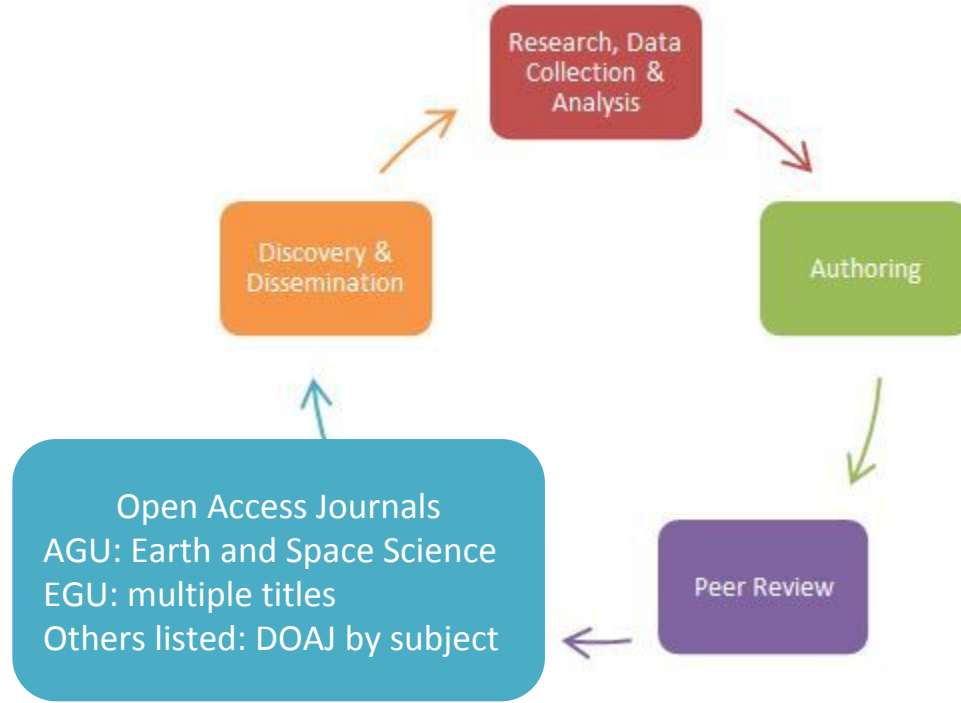
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Open Access [OA]: the **free**, **online** availability of research articles combined with the **rights to reuse** these articles. This access may be immediate, or depending on the type of open access, there might be embargoes or delays to access.

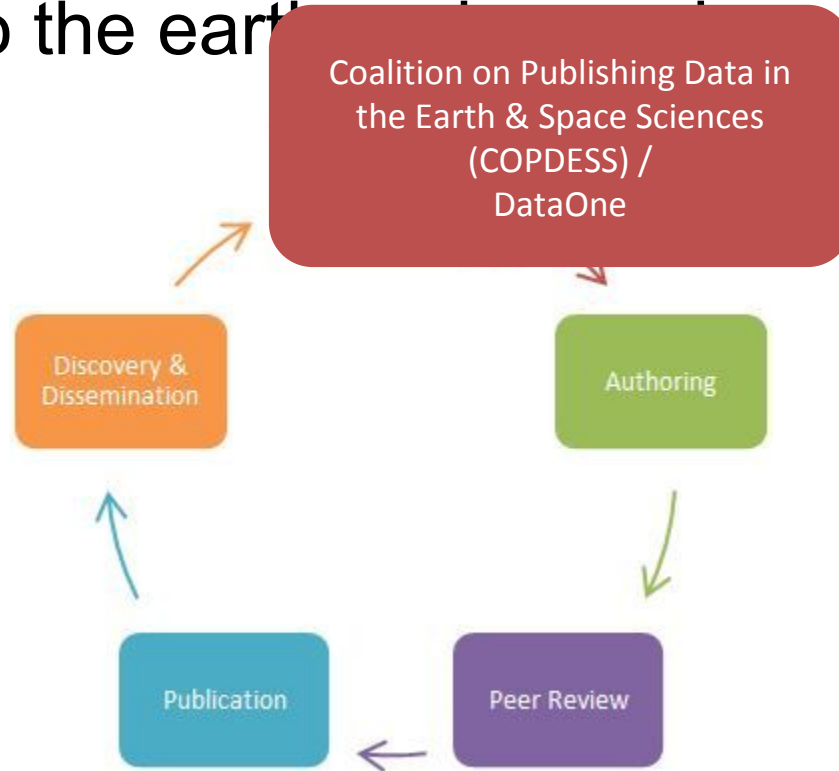
Scholarly Communications



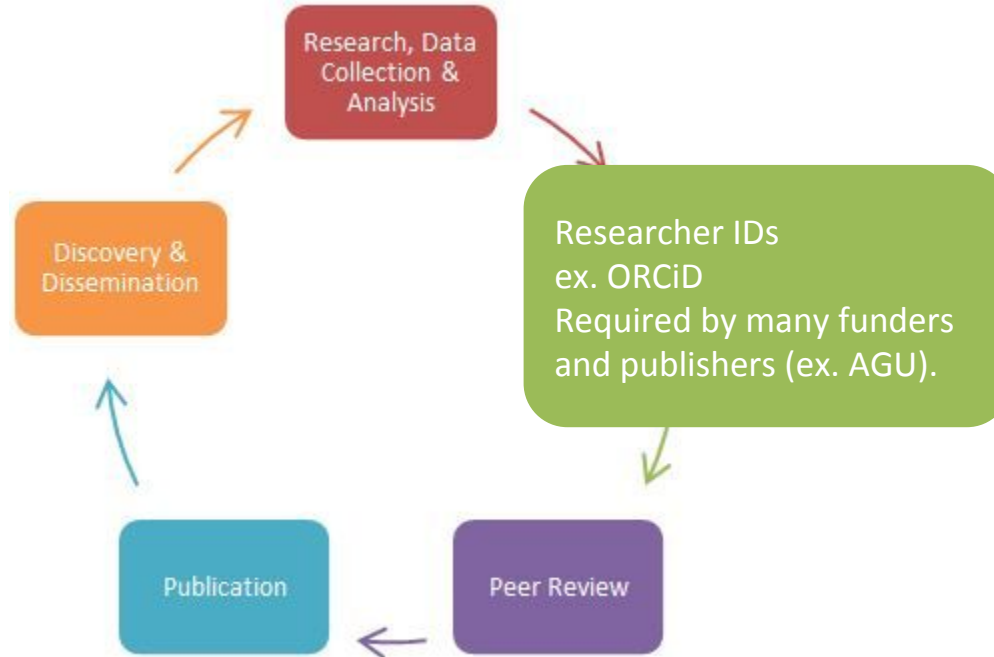
Connections to the earth and geosciences



Connections to the earth & space sciences

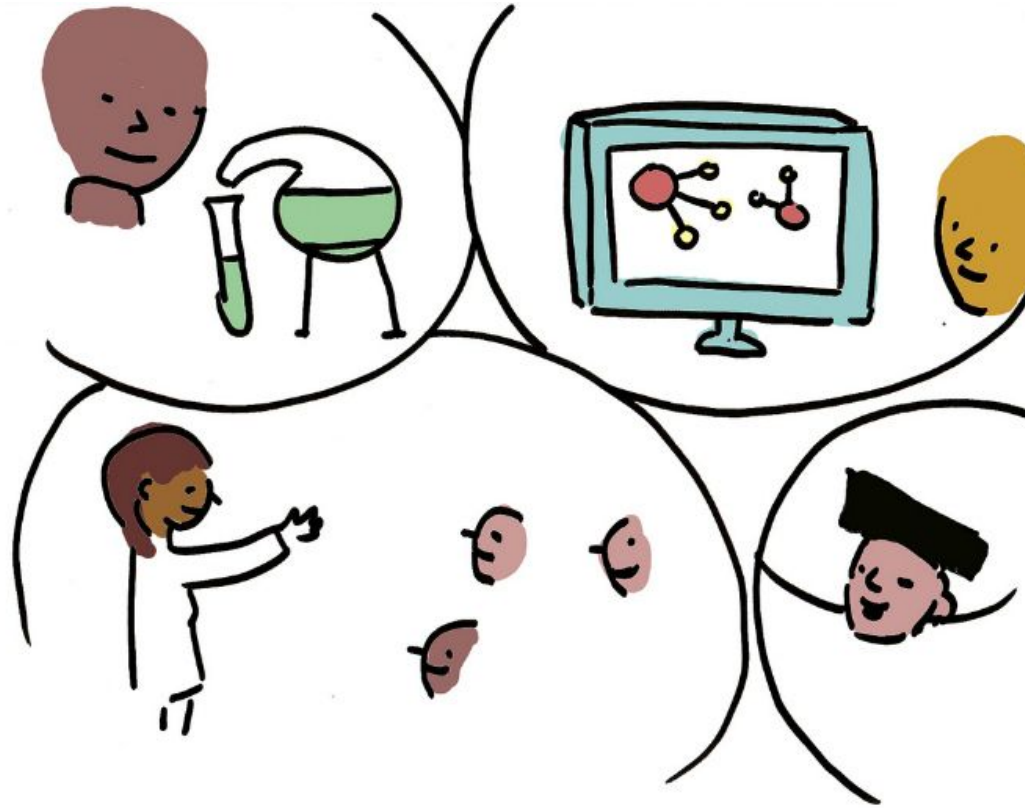


Connections to the earth and geosciences



Scholarly Communications





Framework for Scholarly Communications

AUDIENCE	TOPICS	STRENGTHS

Framework for Scholarly Communications

AUDIENCE	TOPICS	STRENGTHS
<ul style="list-style-type: none">• <i>UNDERGRADUATES</i>• <i>GRADUATE STUDENTS</i>• <i>POST DOCS</i>• <i>FACULTY</i>• <i>RESEARCHERS</i>• <i>DEPARTMENT/ADMIN</i>• <i>PUBLIC</i>		

Framework for Scholarly Communications

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Exercise

Prioritize: what resonates from each column of the framework?

Circle **ONE** primary audience/task/strength from each column

Responses

Threads

Graduate
Students



Funding



Advocacy

Threads

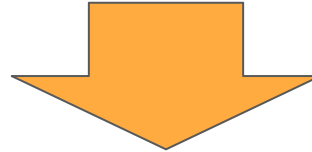
Graduate
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Funding



Advocacy



Open Access “Subvention” Funds



Waivers?

Threads

Post docs



Collaborative
Writing



Instruction

Threads



Collaborative writing and publishing software in LaTeX
Templates for Earth Science Journals, ex. direct submission to AGU

Threads

Undergrads

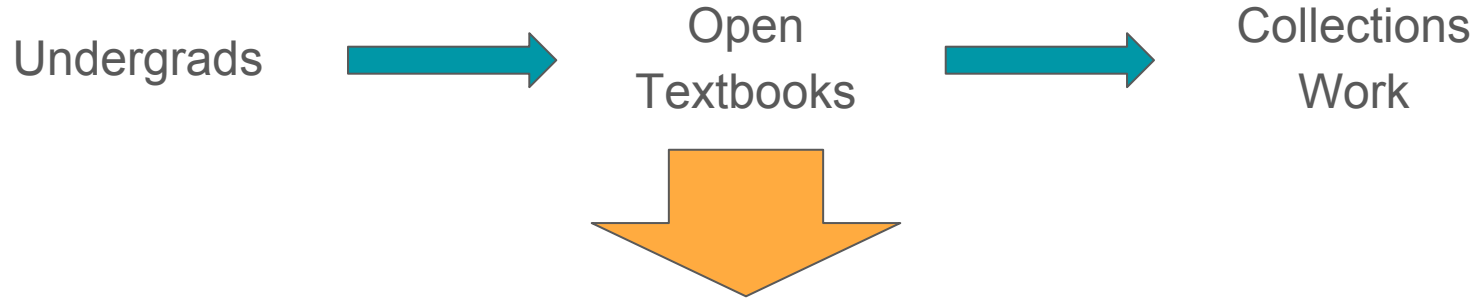


Open
Textbooks



Collections
Work

Threads



An Introduction to Geology

Free Textbook for College-Level Introductory Geology Courses

opengeology.org

Threads

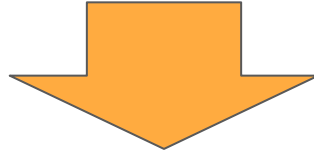
Faculty



Preprints



Awareness



Threads

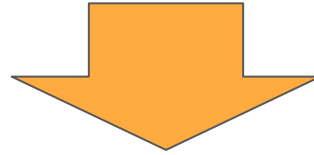
Faculty



Preprints



Awareness



Subject specific preprint servers

Earth and Space Science Open Archive
(ESSOAr) [AGU]

EarthArXiv [Center for Open Science]

Dueling preprint servers coming for the geosciences
By Paul Voosen | Sep. 22, 2017, 1:05 PM

Threads

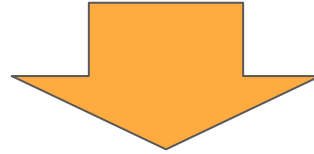
Faculty



Post-print/
OA Policies



“Enforcement”



Threads



Institutional repositories

DSpace@MIT



eScholarship
University of California

Department Sites

UC Irvine Department of Earth System Science (<http://escholarship.org/uc/uciess>)

Finishing up

Scholarly Communications is a growing topic in libraries.

There are many opportunities to link Scholarly Communications outreach and activities within the Earth Sciences.

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There are many opportunities to link Scholarly Communications outreach and activities within the Earth Sciences.

How can you **extend** and **adapt** this framework to organize and implement your outreach activities?

References

ACRL Scholarly Communications Toolkit: <http://acrl.libguides.com/scholcomm/toolkit/>

SPARC Open Access Definition: <https://sparcopen.org/open-access/>

Dartmouth Library Earth Science Publishing & Open Access Guide: <http://researchguides.dartmouth.edu/c.php?g=59358&p=381490>

Coalition on Publishing Data in the Earth & Space Sciences: <https://copdessdirectory.osf.io/search/>

DataOne:

Librarian Outreach Toolkit <https://www.dataone.org/for-librarians>; Data Management Skillbuilding Hub <https://dataoneorg.github.io/Education/>

ORCID: <https://orcid.org/>

BRIL: <http://guides.lib.berkeley.edu/brii>

Overleaf: www.overleaf.com

Open Textbook: www.opengeology.org

Preprint Servers: <http://www.sciencemag.org/news/2017/09/dueling-preprint-servers-coming-geosciences>

Institutional Repositories: dspace.mit.edu; escholarship.org; <http://escholarship.org/uc/uciess>

Questions?

Contact: steplitz@berkeley.edu

Find slides at: http://ucblib.link/GL101_scholcom

Find handout at: <http://ucblib.link/nl>