In 2019, the Open Science Librarian spearheaded an Open Science Research Workflows Program for new graduate students in the Earth & Planetary Sciences (EPS) Department.

Over the last five years, librarians have shifted their focus from traditional research help to support for open research workflows (Figure 1). This shift is seen in changes to three librarians’ job duties:

- Science Data Librarian: offers Research Data Management training and guidance
- GIS and Map Librarian: supports spatial data accessibility and open source GIS
- Open Science Librarian: promotes and educates researchers on open science practices and tools

Figure 1: Library workshops align with research workflows

6 SESSIONS | MULTIPLE INSTRUCTORS
The sessions focus on trending methods and workflow tools relevant to Earth Sciences students as they launch their research.

DISCOVERY
- Research Workflows and Literature Searching

WRITING
- Citation Management with Zotero
- Collaborative writing in LaTeX

ANALYSIS
- Jupyter Notebooks best practices

ANALYSIS/DATA
- Approaches to reproducible code
- Dynamic data management, publishing and citation

NEXT STEPS
- Jupyter Notebook open search “biblio” module via CrossRef API
- Publishing and authorship trends in Earth Sciences

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