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Academic Libraries as Enablers to Prepare Graduate Students for Open Scholarship

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Academic Libraries as Enablers to Prepare Graduate Students for Open Scholarship

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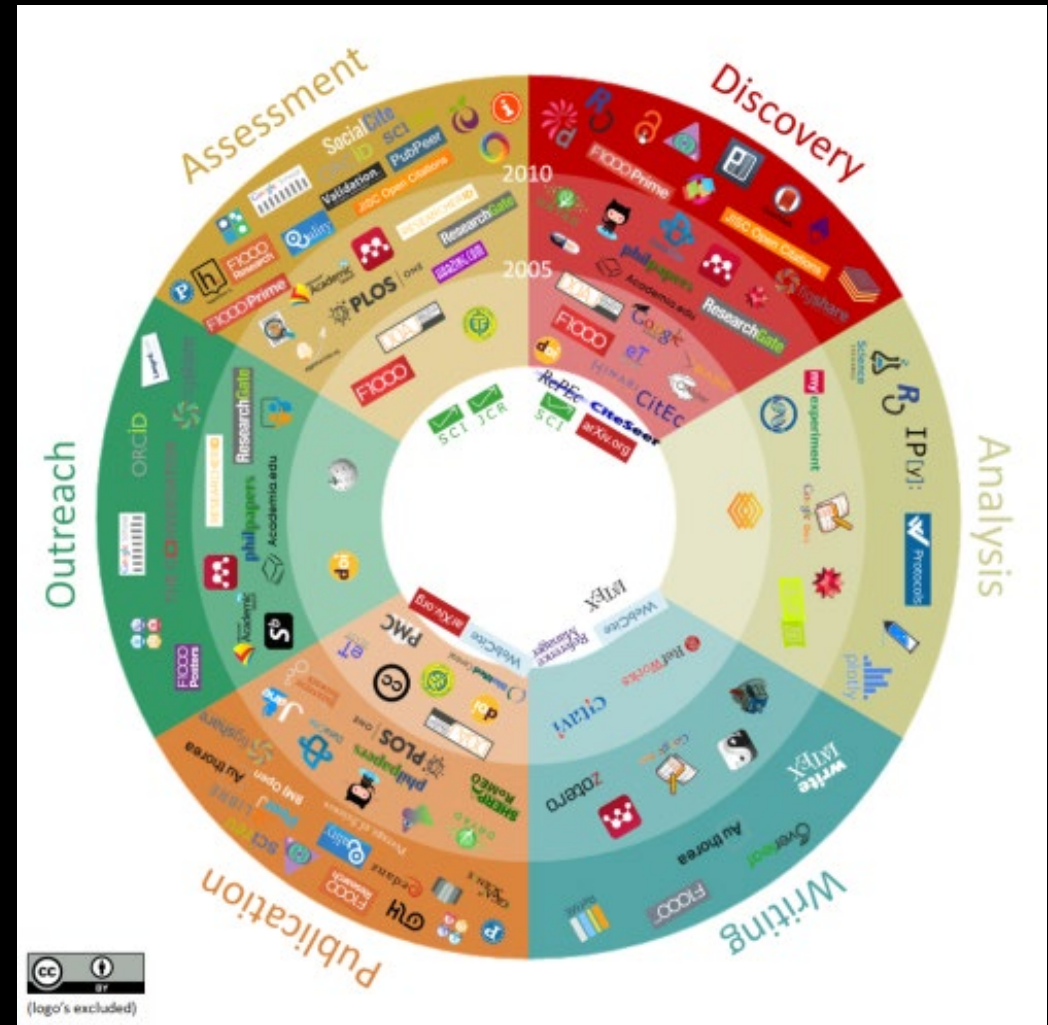
University of Kentucky Libraries

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This is a presentation at the USETDA 2020 Conference. The URLs of the resources mentioned are listed at the end.

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A Variety of Digital Tools for Scholarly Communication Tasks



<https://101innovations.wordpress.com/survey-results/>

Topics Encountered in Research Life Cycle

- Persistent identifiers for disambiguation and citability, e.g., ORCID ID and digital object identifier (DOI)
- Research data management and sharing
- Copyright and licensing
- Scholarly journal publishing and access



<https://www.noclor.nhs.uk/research-life-cycle>

Research Data Management Sessions

- DMPTool for creating a data management plan
- Naming convention for organizing files systematically
- File format for long-term preservation
- Institutional repository for research data sharing
- Open licensing to facilitate reuse of data
- ORCID ID for graduate student to receive credit for sharing research data
- DOI for citability of shared data

Scholarly Journal Publishing Sessions

- Overview of scholarly journal publishing
- Copyright and author rights
- Types of open access
- Criteria for evaluating journals
- Resources for selecting open access journals

Coaching Graduate Student Journal Editors

- Graduate students as editors of two open access journals
- Opportunities to introduce graduate students to:
 - Scholarly journal publishing
 - Copyright and author rights
 - Persistent identifiers, e.g., ORCID ID and DOI

ORCID and DOI for Theses and Dissertations

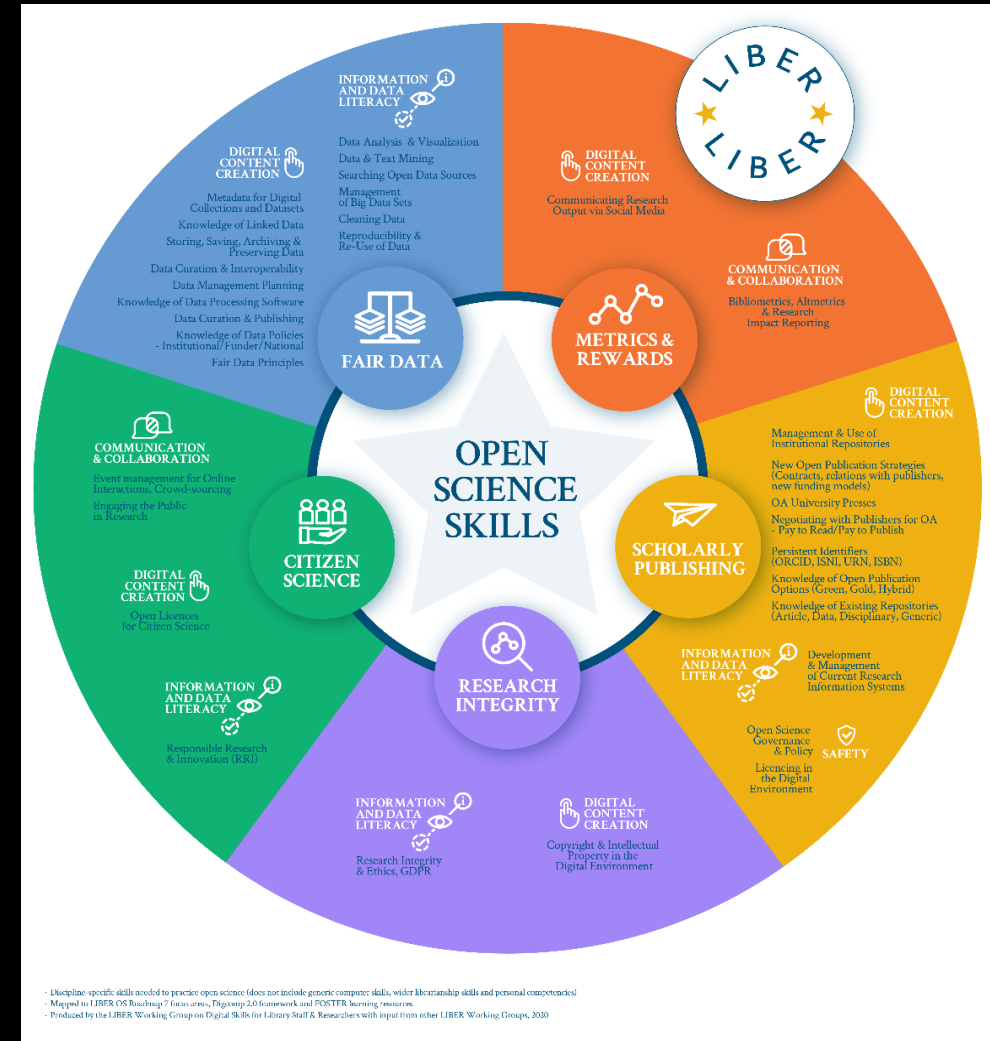
- Since Jan. 2016: DOIs assigned to new theses and dissertations by the library
- Since Sept. 2016: Graduate students have the option of adding their ORCID IDs to their theses and dissertations
- The library provides information about DOI and ORCID ID and answers students' questions about them

Reflections on Experiences

- Identify and collaborate with campus units that interact with graduate students on an ongoing basis
- Communicate with faculty regarding the importance of the topics
- Ask the Graduate School and liaison librarians to refer graduate students with questions to me
- Provide online guides on the topics so that graduate students can find them when needed

LIBER's Open Science Skills for Researchers

- Research integrity
- Scholarly publishing
- Metrics and rewards
- FAIR data
- Citizen science



<http://doi.org/10.5281/zenodo.3702401>

Resources for Digital Scholarship Training

The Carpentries:

- Is a non-profit organization based in California
- Teaches foundational coding, and data science skills to researchers, including graduate students
- Offers Software Carpentry and Data Carpentry workshops in collaboration with research institutions

Resources for Digital Scholarship Training

FOSTER Portal:

- Serves as an e-learning platform for those who need to know more about open science/scholarship, or need to develop strategies and skills for implementing open science/scholarship practices
- Offers training resources in four broad areas:
 - Open science/scholarship
 - Research data management
 - Responsible research and innovation
 - Text and data mining

Resources Mentioned

The Carpentries

<https://carpentries.org/>

Digital object identifier (DOI)

<https://www.doi.org/factsheets/DOIKeyFacts.html>

DMPTool

<https://dmptool.org/>

FOSTER Portal

<https://www.fosteropenscience.eu/>

Resources Mentioned

Identifying Open Science Skills for Library Staff & Researchers (from LIBER)

<https://libereurope.eu/blog/2020/03/10/open-science-skills-diagram/>

Innovations in Scholarly Communication

<https://101innovations.wordpress.com/>

ORCID ID

<https://orcid.org/>

Research Life Cycle

<https://www.noclor.nhs.uk/research-life-cycle>