

Organizing your research projects with the Open Science Framework (OSF)

Katie Harding, Engineering Librarian kharding@mcmaster.ca

Isaac Pratt, Research Data Management Specialist pratti@mcmaster.ca

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McMaster University sits on the traditional Territories of the Mississauga and Haudenosaunee Nations, and within the lands protected by the "Dish With One Spoon" wampum agreement.

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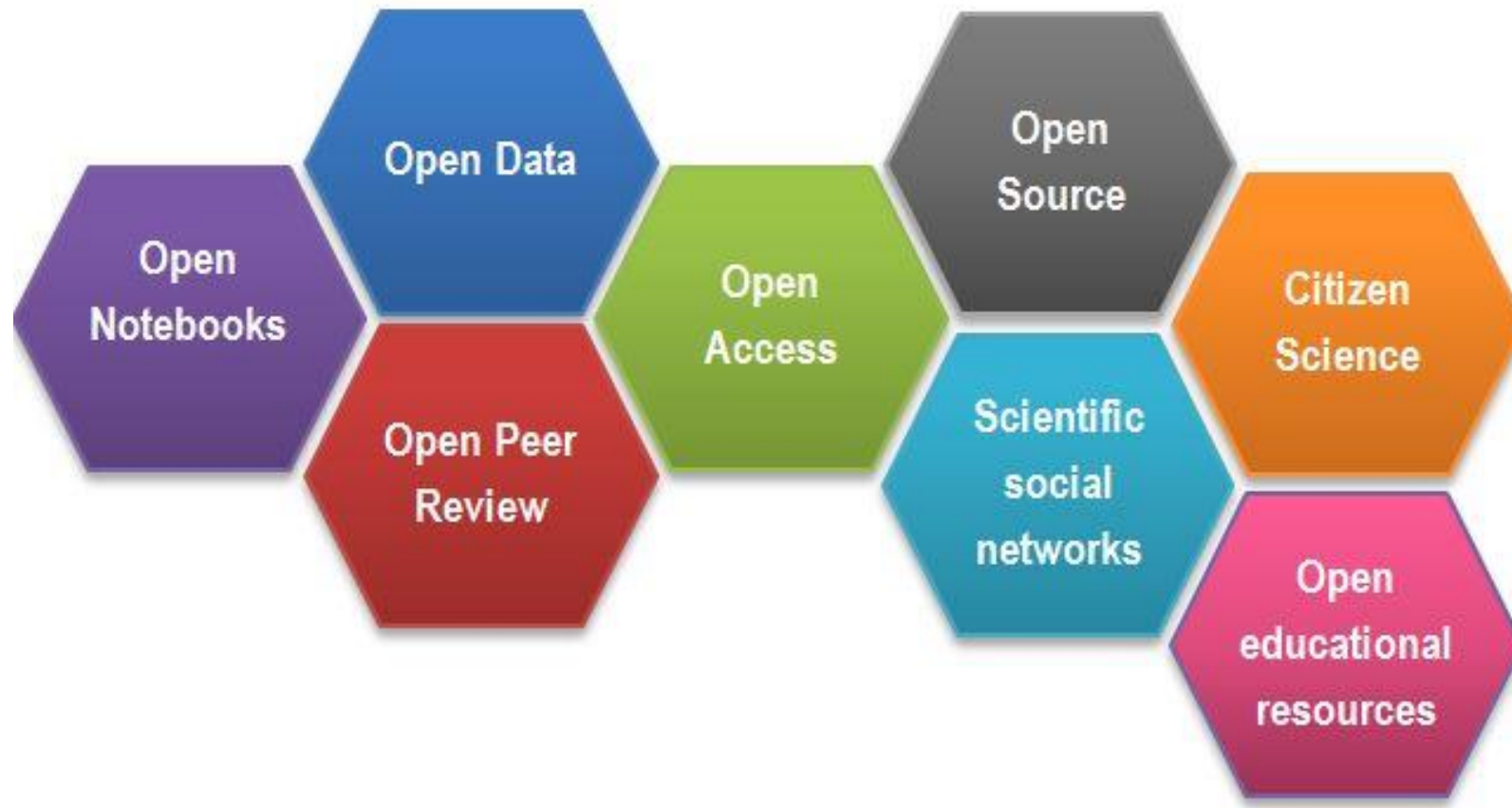
Overview

- Understanding the Open Science Framework and how it supports open research practices
- Using the OSF throughout a research project
- Examples of OSF projects
- Building an OSF project
- Q&A

Poll: Have you ever shared your research data openly before or after publication?

Poll: Have you ever used
someone else's open data,
methods, code, etc.?

“Open Science”



Source: <https://www.fosteropenscience.eu/content/what-open-science-introduction>

Why share your research outputs

- Make your work available to a wider audience
- Enhance transparency and reproducibility
- Create opportunities for collaboration and reuse of research
- Increase efficiency and avoid duplication of efforts
- Share knowledge and increase the impact of your research

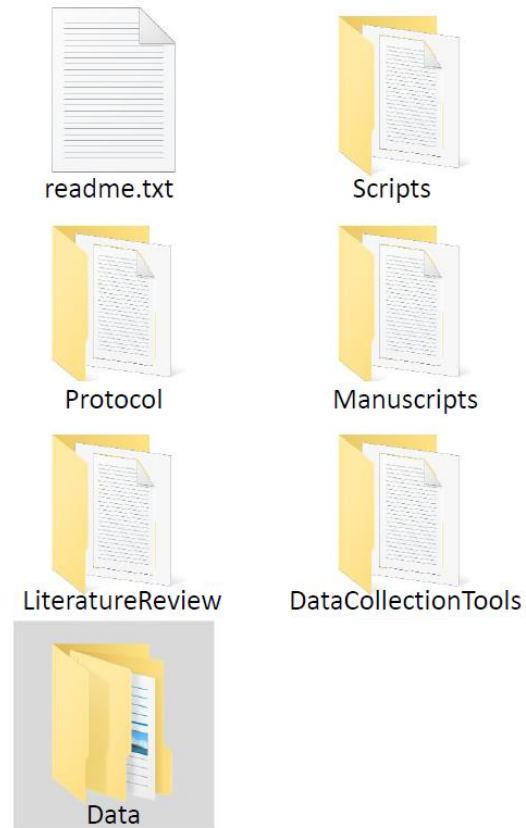
Open Science Framework (OSF)

- “A free and open source project management tool that supports researchers throughout their entire project lifecycle” ([Source](#))
- Share all parts of a project in one (organized) place
- Connect to other services such as Github and Google Drive
- Version control
- Make projects private or public

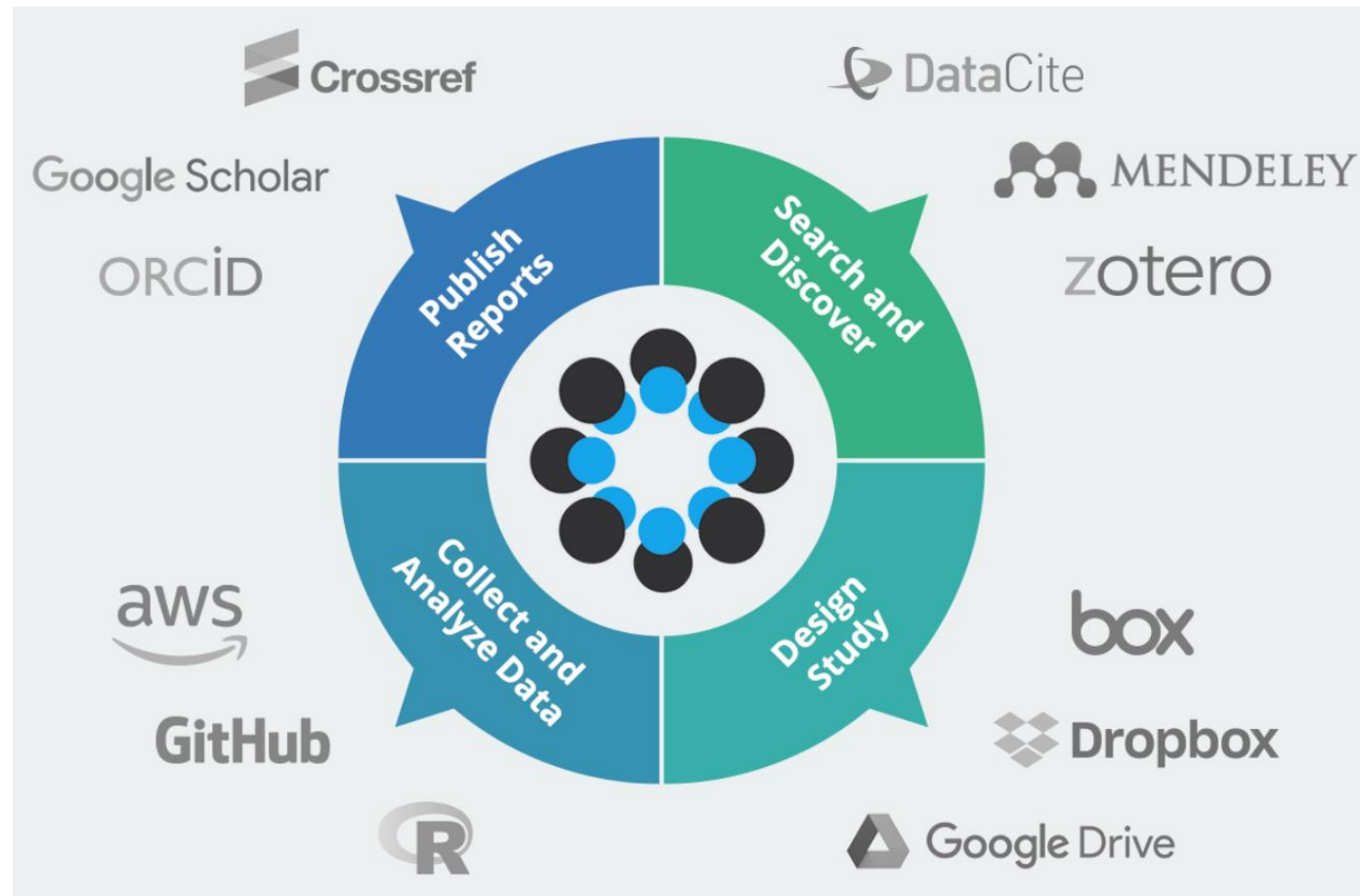
What can you do with OSF?

- Hosting and sharing research projects
- Collaborating with your research lab
- Posting preprints
- Research registrations
- Hosting conference materials

Stages of a Research Project



Integrations



Storage & Data Privacy

- Files must be 5 GB or less to be stored on OSF Storage
- Private projects: 5 GB
- Public projects: 50 GB
- More storage: One-time storage fees (<https://www.cos.io/osf-usage>)

- Data and files can be stored in Canadian servers, but other materials like user data, wikis, and chat data are only stored in the USA.
- OSF should only be used for non sensitive data

Unique Identifiers and DOIs

- Globally unique identifier (GUID): A unique string assigned to each file, project, registration, and user on OSF (the 5 characters in the URL after osf.io/)
 - E.g. Project URL: <https://osf.io/f3z6q/>
- DOIs are available for public projects and registrations

Preprints



- Preprints: Manuscripts shared publicly prior to peer review
- OSFPreprints enables you to search across preprints posted on the OSF and on other preprint services (e.g. arXiv, bioRxiv, PeerJ, etc.)

OSF Projects

- **Project:** A collection of files and folders used to store and organize your research
 - Can be a research study, a lab, a paper or other publication
 - OSF Projects can be divided into **Components**
- **Research Lab project:** A project used to share materials and research within your lab
 - Templates
 - Lab documents and meeting notes
 - Links to your lab's different research projects within OSF
- Example project: <https://osf.io/zb3de/>
- Example research lab project: <https://osf.io/r73dc/>

Questions?

Katie Harding

kharding@mcmaster.ca

Isaac Pratt

pratti@mcmaster.ca

Research Data Management Services

<https://rdm.mcmaster.ca/>