

# Open Science: Accountability, Integrity, and Reproducibility in Scholarly Research

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The global scientific ecosystem is multifaceted and relies heavily on rigorous, reproducible, and discoverable research studies. This increasingly complex and interconnected system is reinforced by Open Science that aims to make knowledge transparent and accessible using digital technologies, collaborative networks, and tools. Researchers need to apply the principles of openness at all the stages of their research cycle to promote transparency, integrity, collaboration, and reproducibility in scholarly research, and achieve significant breakthroughs. This webinar gives a detailed overview of the concept of Open Science and its core principles including Open Access, Open

Data, Open Sources, and Open Peer Review. It will also help researchers adopt best practices to share their research outputs, resources, methods, or tools openly.

Through this webinar, researchers will have a better understanding of the following:

1. Overview and importance of Open Science
2. What is Open Access publishing?
3. The significance of Open Data sharing
4. Understanding the importance of self-archiving in Open Repositories
5. Insights into Open Peer Review and Open Licensing
6. Summary of Open Source and Open Education Resources

## About the Speaker

### Dr. Fiona Murphy

Owner of Murphy Mitchell Consulting Ltd.

- Murphy is an independent Open Science and publishing consultant with more than 20 years of experience in scientific and scholarly publishing.
- After completing a DPhil in English Literature (University of Oxford), Dr. Murphy has collaborated with several reputed publishers like Oxford University Press, Bloomsbury Academic, and Earth and Environmental Sciences at Wiley.
- She is currently a board member of the data repository, Dryad and an Editorial Board Member of the Data Science Journal.
- Along with holding an Associate Fellowship at the University of Reading, she is also a member of Peer Review board of Research Data in the Earth Sciences, Data2Paper and Belmont Forum, and a co-Chair of WDS-RDA Publishing Data Workflows Working Group and Force11 Scholarly Commons Working Group.
- Dr. Murphy has written and presented widely on data publishing, Open Data, and Open Science.

In case of any queries, please feel free to check our webinar [FAQs](#) page or email us at [academy@enago.com](mailto:academy@enago.com).

### Cite this article

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