

Open Research Working Group Guide

How to be an open researcher

Open research practices improve your research by facilitating discoverability, promoting public engagement, encouraging transparent sharing of research outputs, methods and materials, improving replicability and reproducibility, and helping to make research and peer review processes transparent.

Open Research Essentials

Check your funder's open research policy, e.g. **UKRI**.

Write a **Data Management** Plan (DMP) including any plans for data sharing which align with the approach outlined in your ethics form.

If your research involves gathering data of any sort, make sure you comply with the LSE Research Ethics **Policy** and **Code** of Research Conduct, and that you have submitted an **ethics review** in the LSE **system**.

Obtain a persistent identifier, such as a DOI, for each research output and link related outputs together.

Publish in Open Access journals.

Deposit your publication in **LSE Research Online (LSERO)** within 3 months of acceptance.

Create an **ORCID**, keep it up-to-date, and add LSE as your research affiliation in your ORCID account.

Open Research Best Practices

Preparation

Register your methodology through **preregistration or registered reports**, if the journal accepts registered reports. Open Science Framework (**OSF**) and AsPredicted (**AsPredicted**) provide useful preregistration services.

Share your methodology, procedure, search strategies, interview questions and other research processes via repositories to enable replicability and transparency.

Data collection

Use **Participatory Research** methods to get members of the public and research participants involved in the planning and process of research.

Use **open-source software**. This facilitates reproducibility by researchers with fewer institutional resources.

Publication

Share any analysis code or scripts in a repository or code sharing platform like **GitHub** to facilitate reproducibility.

Include sufficient metadata and documentation with all research outputs.

Deposit a **pre-print** in a pre-print server when submitting to a journal.

Make your **book or book chapter Open Access** with your publisher or by depositing the manuscript in LSERO.

Deposit your data in a repository, aligning with **FAIR principles**, unless there are legal, ethical, disciplinary and commercial reasons not to do so.

Use **CRediT** to indicate the roles and contributions of each author effectively and ensure all contributions are fairly and transparently recognised.

Submit your article for open peer review. Some journals practice open peer review, that can **reduce bias and improve quality of reviews**.

Post-publication

Use metrics responsibly when tracking the use and citations of your outputs and when evaluating the research of others.

Take advantage of the openness of your research by working with the **Engagement and Impact team** to broaden and diversify your audience.