At the University of Glasgow, we believe that how research is done is as important as what is done.

The University strongly encourages the adoption of open research practices across our full range of disciplines, and our hiring and promotion criteria both reward a commitment to open research.

Open research refers to the early and wide sharing of research at different stages of the lifecycle, from methods and protocols, to data, software and educational resources. Open research practices therefore comprise a broad spectrum of actions that go beyond open access to publications.

Open research has many benefits including:

* improved visibility for your research.
* greater transparency and reproducibility in research.
* enhanced opportunities for collaborating with other researchers, both locally and globally.
* more efficient use of research funding.
* An earlier opportunity to stake your claim to your ideas.

and

* Improved public confidence in research.

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Open research practices include:

* Creating a **data management plan** for projects which will collect or create data.
* **Pre-registering your study** methodology, specifying your research plan in advance of conducting your study.
* Openly **sharing your methods and protocols** so other researchers can see exactly how you have conducted your research.
* Sharing new research as **pre-print publications**, giving others the opportunity to comment and provide early feedback.
* Making published work **open access,** increasing the visibility and reuse of your results.
* Sharing the **data** on which you base your research findings and the **code** or **materials** that you have used in your research.
* Including **data availability statements** in outputs, ensuring a permanent link between your related research outputs.
* Supporting**open peer review and evaluation** – making reviewer and author identities open, publishing review reports and enabling greater participation in the peer review process.
* Sharing **open educational resources –**making your teaching and learning materials freely available online for anyone to use.
* Sharing **non-traditional outputs** with a potential for societal impact.

and

* Adding **author-contribution statements** to outputs to clarify the contributions from different authors.

Open research practices apply to all research disciplines, if in different ways. In some cases, it might be necessary to limit open research. This might be the case, for example, where research has dual use, when it has implications for public health, or where it might include identifying personal information about a patient.

The University will help to support open research:

* By embeddingidentifiers **(**such as ORCID and Scopus Author ID)**,** into our research output repositories, so that credit can be traced back to the researcher
* By embedding the Contributor Roles Taxonomy, or **CRediT, into our** research output repository, so that contributions to outputs are put on public record
* by providing training and support **for Open Access and Research Data Management**.
* By offering **Bibliometrics support**. By signing the **San Francisco Declaration on Research Assessment, or DORA**, the University has reinforced its commitment to the responsible use of research indicators when evaluating research.
* By providing advice and training on **research integrity and research ethics**
* By supporting **funder policies** which mandate or require open research practices.

Open research has huge benefits for individuals, the institution, and society as a whole, by ensuring that, as a community, we are better able to build on each other’s work.

Notes to animator: