UoR progress on open research

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What is open research?

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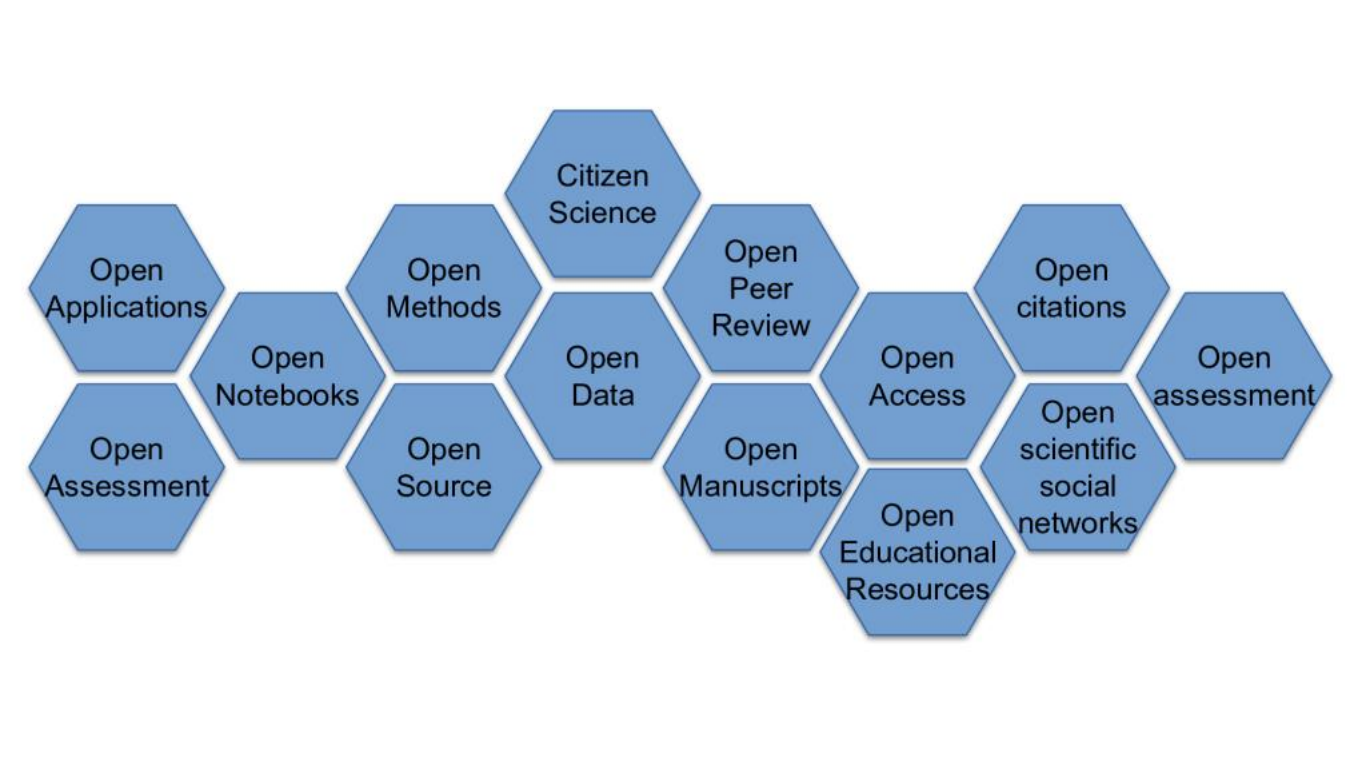
Open research is scholarly research that is **collaborative**, **transparent** and **reproducible** and whose outputs are **publicly available and usable**, maximizing the possibility of public benefit.



Benefits of Open Access

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Benefits of open research

Researchers

- greater visibility & reach
- increased efficiency
- funding
- collaboration/networking

Funders

- increased visibility & reuse of funded research
- greater funding impact
- greater ROI

General Public

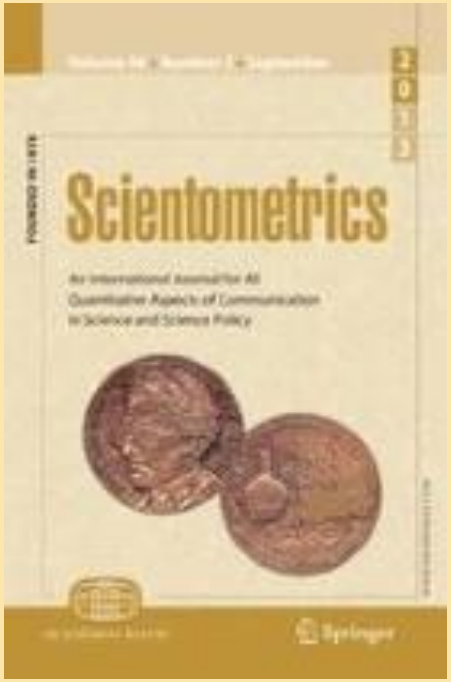
- faster knowledge transfer
- increased understanding and expertise
- promoting engagement in science & research

Organisations/ NGOs

- enhanced access to research
- more effective advocacy/lobbying

National Governments

- evidence-informed policy
- promoting Human Rights and democracy



Of **5,905 articles related to COVID-19** published from 1 December 2019 to 30 April 2020:

- Only 13.6% published underlying research data (supplementary information/data repository)
- Only 1.7% referenced data in a data repository
- Only 1.2% published data in re-usable/machine-readable formats (xlsx/xls/csv)
- > 75% documents were PDF or docx/doc: mostly text and graphics not raw data

Lucas-Dominguez, R. et al. The sharing of research data facing the COVID-19 pandemic. Scientometrics (2021). https://doi.org/10.1007/s11192-021-03971-6

12 things you can do to be open

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Publish open access	Make it FAIR	Release your code
Archive web resources	Use a pre-print server	Engage with open peer review
Pre-register your research plans	Advertise your data or software as a research resource	Share your methods & materials
Teach open research	Discuss with journals	Join an open research community or project

Open research champions

- Model open research practice
- Use their networks to advocate for open research and share information
- Help peers and colleagues and signpost University support
- Organise and help to deliver open research training and information sessions
- Take part in open research forum meetings
- Lead and take part in projects & initiatives, both within & outside the University
- Inform University strategy by advocating the needs of their School/discipline
- Central to the Open Research Action Plan

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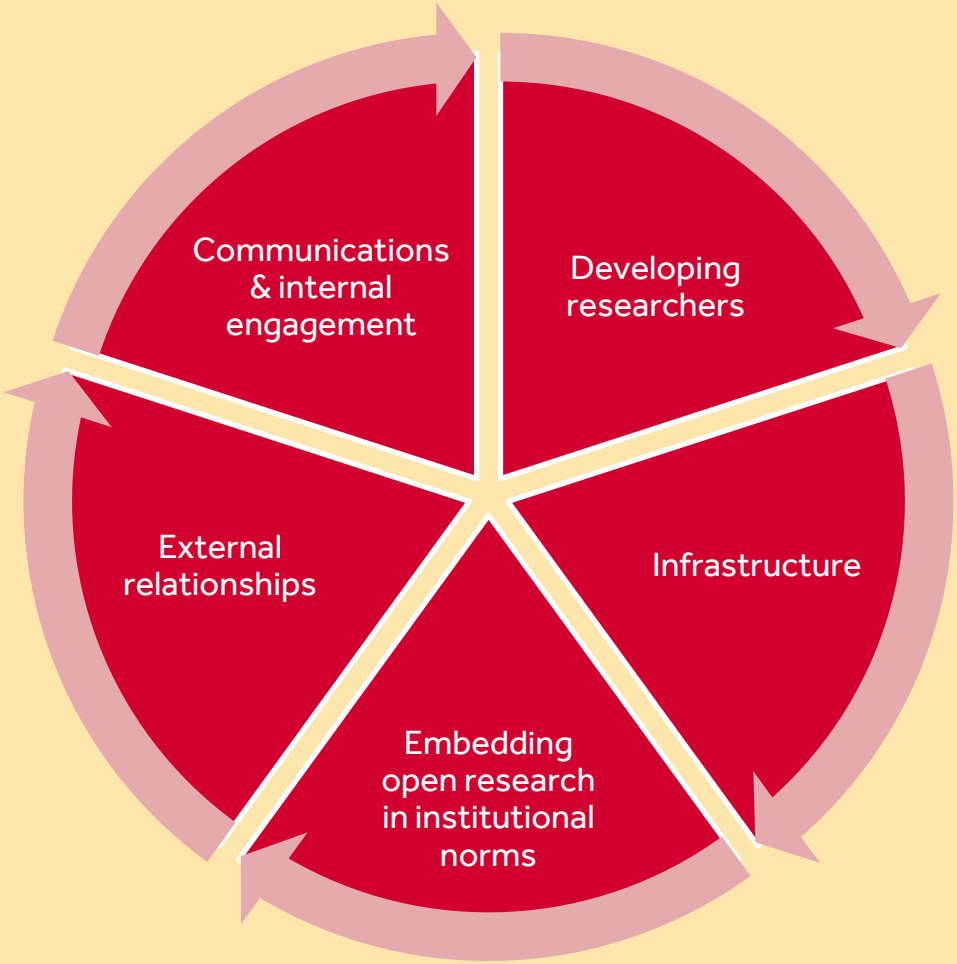
- National, peer-led consortium promoting robust research, providing training activities and disseminating best practice.
- Seeks to understand factors contributing to poor reproducibility and develops approaches to counter them.
- Broad disciplinary representation.
- Institutional lead, Phil Newton and local network lead, Etienne Roesch.

Open research action plan 2021-23



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Questions & break