



Make the most of your research data

RESEARCH DATA SERVICES FOR INSTITUTIONS

ADVANCING
DISCOVERY

Springer Nature can help your institution:

- improve and share research datasets
- provide knowledge and insights to staff and researchers
- report on data availability and impact

Why sharing research data matters



Research data form the evidence upon which scientific discoveries and advancements are based, and are the basis of virtually all research projects carried out today.

Research data are any files that have been generated as part of a research project that aren't a manuscript. This includes, but is not limited to, spreadsheets, videos, images, text files, code, audio files and maps.

To allow research as a whole to become more reproducible, reliable and robust, the resulting data need to be as accessible and understandable as possible for the research community.

The State of Open Data Report 2017

Figshare's annual report shows that the **proportion of researchers sharing their data has grown**. Despite such positive attitudes, researchers' efforts to archive, publish and share data continue to be hampered by time constraints, a lack of knowledge around data standards, repository options, and funder and institutional requirements.

60% of survey respondents (n=2,300) routinely share their data, while 80% state that they are willing to share their data.



figshare.com/articles/_/5481187


Research data policies and mandates

At least 50 research funders around the world have policies or mandates that require data archiving as a condition of grants, including:

- Bill and Melinda Gates Foundation
- European Commission
- National Institutes of Health (NIH)
- National Science Foundation (NSF)
- Wellcome Trust

Benefits of sharing data:

- compliance with funder and institutional policies and a higher return on investment
- increased opportunities for collaboration
- increased visibility and discoverability of research
- improved veracity, robustness and reproducibility of research results
- more citations for research projects
- increased publishing productivity
- increased ability of editors, reviewers, researchers and others to understand associated research manuscripts

 We've developed these services in direct response to what people are telling us they need and are worried about. We know from talking with funders and institutions that they share common concerns: lack of data standards and metadata expertise in the research community, lack of incentives for researchers, identifying which data to archive and preserve. The Research Data team are here because we are passionate about making open data and good research data practice the new normal.

Grace Baynes, Data & New Product Development Director in Springer Nature's Open Research Group

Springer Nature research data services



To enable your institution and its researchers to achieve best practice in sharing and archiving research data, we're now offering a suite of research data services.

Research Data Support

Helping researchers make their data more findable, accessible, understandable and citeable.

Research Data Support enables your researchers to get the most out of their research projects by organising and sharing their research data in a fast, effective manner. Our professional Research Data Editors improve the value of submitted datasets by making them more findable, understandable, and citeable.

Your institution can lead the way in research data best practice. With a Research Data Support purchase, access can be pre-arranged for affiliated researchers on an institutional level. The service supports both new datasets and those linked to manuscripts that have already been published.

Checks and enhancements for data:

- ensure data are correctly labelled and that labels are consistent
- create clear and understandable descriptions of datasets
- increase findability by improving metadata and keywords
- generate persistent DOIs for datasets
- add relevant funder information
- organise files into a logical and usable structure
- categorise data according to industry standard definitions
- link and synchronise dataset release with associated publications

Benefits for research institutions:

- ensures compliance with funder and institutional data policies
- saves time and effort on deposition and curation of data
- provides a consistent approach to data sharing and publication linking
- enhances and increases the visibility of peer-reviewed publications
- supports research progress and transparency
- promotes the citation and reuse of research data
- upholds trusted editorial standards
- enables data sharing via trusted general and institutional repositories



Research data training



Training solutions to benefit your team and researchers at your institution.

Research Data Editors and in-house data experts will offer webinars, in person workshops and “train-the-trainer” resources on policy and best practice in data management, along with hands-on data curation workshops.

Our training program allows you to provide knowledge and insights in research data best practice, building a custom curriculum based on the needs of your institution. Training is designed to benefit anyone who has an interest in research data best practice, including: researchers, policy makers, librarians, research data managers, open access teams, scholarly communication offices, and research offices. Research data training provides a valuable opportunity for members of your team to further their expertise.

Benefits of the training service:

- equip your team with the key facts they need to answer researchers’ questions
- support compliance with funder and institutional mandates
- make the case for better research data management at your institution
- position your team as expert advisors on open data and data management
- equip your researchers with data curation and management skills

Training pathways include:

- advocating research data management and open data
- supporting best practice in data collection, management and curation
- ensuring quality data publications

Research data reporting

We can help you report on compliance and impact.

As funders increasingly require data availability statements and data management plans, tracking your researchers’ outputs and compliance with funder policies, as well as your own institutional data policy, can be time-consuming and highly manual.

We are developing a service which will offer regular reporting of data availability statements in Springer Nature articles for corresponding authors at your institution.

Learn more

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To learn more about our research data services, contact your Institutional Engagement Manager to continue the discussion.

Find out more at:
springernature.com/openinstitutions