



Make the most of your research data

RESEARCH DATA SERVICES FOR INSTITUTIONS

ADVANCING
DISCOVERY

Help your researchers organise, share and get credit for their data.

We can support your institution to:

- Ensure compliance with funder and institutional research data policies
- Save time and effort depositing and organising research data
- Make research data easier to cite and reuse, and incentivise researchers to share their research data
- Promote best practice in research data management

Research data services for institutions

We're passionate about making data sharing and research data best practice the new normal.

To meet the growing demand for research data management support, we're offering the following services specifically for institutions:

- Research Data Support for institutions
- Research data training
- Data availability reporting

We look forward to working with you to support your institutional aims.

Research Data Support

Helping researchers make their data easier to find, access, understand and cite.

Don't have the time or resource to support researchers with research data management in-house, or just need some additional support to complement your team? We can help your institution follow research data sharing best practice quickly and easily.

Research Data Support for institutions is a service that organises, curates and deposits datasets. Our goal is to enhance research datasets, making them more valuable and discoverable to the wider research community.

Benefits for your researchers:

- One-to-one support from experienced research data editors
- Expert curation to ensure datasets can be easily discovered and reused
- Dataset deposition in accordance with best practices
- You and your researchers remain in control of your data (including licensing choice)

Institutional benefits:

- Compliance with funders' data sharing requirements and policies
- Support to complement your institution's existing practices and policies
- A reliable and scalable data support model for researchers
- Increased exposure for your institution's research: articles with open data are cited up to 50% more⁶

The case for data sharing

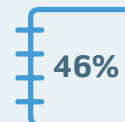
There is evidence that good data practice leads to:

- Increased citation¹
- Increased reproducibility (quality/robustness) of research²
- Increased productivity³
- Reduced harm and costs of biased/non-transparent research⁴
- Support for career progression⁵

SPRINGER NATURE

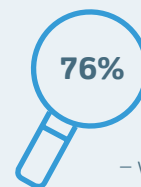
Research Data Support

Top barrier to sharing



Organising data in a presentable and useful way has been identified by researchers as the **biggest challenge to data sharing**⁷

Researchers are positive about data sharing



of researchers rate the importance of making their data discoverable highly – with an average rating of **7.3 out of 10**⁷

Research data training

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

Our training programme directly addresses one of the main challenges researchers encounter around data sharing: organising data in a presentable and useful way.⁷ As part of the *Nature Research Academies*, we offer trusted quality and a professional perspective on research data best practice.

Training is available both for researchers and information professionals, and is appropriate for all levels of prior knowledge.

Training pathways and key learning outcomes

Our training programme helps attendees understand the value of research data and how data can be shared effectively.

We offer a one- or two-day workshop, or webinar series, to meet the needs of your institution.

Courses are suitable for researchers across all disciplines, and are held on-site at your institution or online.

natureresearch
ACADEMIES

The majority of data sharing practice is not optimal



- The most common method of data sharing is still as supplementary information in a journal article⁸
- The most common ways to store data are on personal hard drives, external hard drives and institutional servers⁸
- **30%** of researchers have lost research data⁸
- **60%** of researchers have rarely, or never, created a data management plan⁸

Pathways for researchers	Pathway for institutional staff and data specialists:
<p>Principles of Research Data Sharing</p> <ul style="list-style-type: none"> • Learn about the “why” of data sharing, including the global drivers and potential benefits • Understand the terminology associated with data sharing • Build confidence discussing research data and planning data management <p>Practices of Research Data Sharing</p> <ul style="list-style-type: none"> • Learn about the “how” of data sharing • Explore practical approaches to complying with data policies and standards • Discover how to share and gain credit for your research data • Learn how to preserve contextual detail about your research data 	<p>Supporting Research Data Sharing</p> <ul style="list-style-type: none"> • Expand your knowledge in a pathway specifically designed for research support staff, librarians and data curators • Identify how funder and journal policies impact institutional data sharing • Understand challenges faced by researchers and how you can provide support • Recognise good practice in institutional data management and learn how this can benefit your researchers and other institutional stakeholders

Data availability reporting

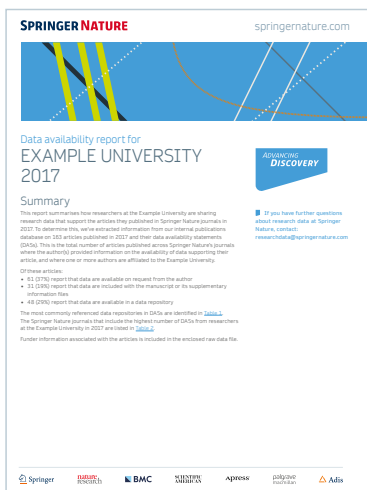
Helping institutions understand how researchers are sharing their data.

If your institution or library wants to understand more about how researchers are sharing data, we're here to help. Our data availability reporting service can aid compliance monitoring, saving institutions and research support staff time in understanding the data sharing practices of their researchers.

The report includes two main components:

- A summary document including graphs of key figures, tables and an executive summary
- The underlying data file - so institutions can conduct their own analyses and populate institutional data catalogues

Our service provides expertly curated and easy-to-understand information on how researchers at your organisation are sharing data associated with articles published in Springer Nature journals.



Growth in policies for data sharing



80+ funders internationally now have policies⁹

54 policies require data sharing⁹

31 policies encourage data sharing⁹

Most of these policies have been announced in the past five years

Sources and references

1. Henneken & Accomazzi (2011) <https://arxiv.org/abs/1111.3618>; Belter (2014) <http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0092590>; Piwowar & Vision (2013) <https://doi.org/10.7717/peerj.175>; Piwowar et al (2007) <http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0000308>; Benevise et al (2016) <http://link.springer.com/article/10.1007%2Fs11192-016-1868-7>; Leitner et al (2016) <http://journal.frontiersin.org/article/10.3389/fnins.2016.00419/full>; <http://journals.plos.org/plosbiology/article?id=10.1371/journal.pbio.1002165>
2. <http://www.ebi.ac.uk/about/news/press-releases/value-and-impact-of-the-european-bioinformatics-institute>
3. Eyding et al (2010) <http://www.bmj.com/content/341/bmj.c4737>; Cochrane Database Syst Rev. 2012 DOI: [10.1002/14651858.CD008965.pub3](https://doi.org/10.1002/14651858.CD008965.pub3)
4. McKiernan et al (2016) <http://dx.doi.org/10.7554/elife.16800>
5. Pienta et al (2010) deepblue.lib.umich.edu/handle/2027.42/78307; Piwowar & Vision (2013) doi.org/10.7717/peerj.175; Henneken & Accomazzi (2011) arxiv.org/abs/1111.3618; Dorch et al (2015) arxiv.org/abs/1511.02512; Sears et al (2011) figshare.com/articles/Data_Sharing_Effect_on_Article_Citation_Rate_in_Paleoceanography/1222998/1
6. Stuart, D; Baynes, G; Hrynaszkiewicz, I; Allin, K; Penny, D; Lucreft, M; et al. (2018): *Whitepaper: Practical challenges for researchers in data sharing* <https://doi.org/10.6084/m9.figshare.5975011.v1>
7. Digital Science, *The State of Open Data Report 2018* (2018). DOI: <https://doi.org/10.6084/m9.figshare.7195058.v1>
8. Internal analysis, global funder policies