

## Research Data Policy Type 2

Submission of a manuscript to the Journal implies that materials described in the manuscript, including all relevant raw data, will be freely available to any researcher wishing to use them for non-commercial purposes, without breaching participant confidentiality.

We strongly encourage that all datasets on which the conclusions of the paper rely should be available to readers. We encourage authors to ensure that their datasets are either deposited in publicly available repositories (where available and appropriate) or presented in the main manuscript or additional supporting files whenever possible. Please see Springer Nature's [information on recommended repositories](#) and Research Data Policy [Frequently Asked Questions](#).

General repositories - for all types of research data - such as [figshare](#) and [Dryad](#) may be used where appropriate.

Datasets that are assigned digital object identifiers (DOIs) by a data repository may be cited in the reference list. Data citations should include the minimum information recommended by [DataCite](#): authors, title, publisher (repository name), and identifier. Please also see example below.

Nature reference style:

### Research dataset

Hao, Z., AghaKouchak, A., Nakhjiri, N., Farahmand, A. Global Integrated Drought Monitoring and Prediction System (GIDMaPS) Data sets. figshare. <http://dx.doi.org/10.6084/m9.figshare.853801> (2014)

Where a widely established research community expectation for data archiving in public repositories exists, submission to a community-endorsed, public repository is mandatory. Persistent identifiers (such as DOIs and accession numbers) for relevant datasets must be provided in the paper

For the following types of data set, submission to a community-endorsed, public repository is mandatory:

Mandatory deposition	Suitable repositories
Protein sequences	<a href="#">Uniprot</a>
DNA and RNA sequences	<a href="#">Genbank</a>
	<a href="#">DNA DataBank of Japan (DDBJ)</a>
	<a href="#">EMBL Nucleotide Sequence Database (ENA)</a>
DNA and RNA sequencing data	<a href="#">NCBI Trace Archive</a>
	<a href="#">NCBI Sequence Read Archive (SRA)</a>
Genetic polymorphisms	<a href="#">dbSNP</a>
	<a href="#">dbVar</a>
	<a href="#">European Variation Archive (EVA)</a>
Linked genotype and phenotype data	<a href="#">dbGAP</a>
	<a href="#">The European Genome-phenome Archive (EGA)</a>
Macromolecular structure	<a href="#">Worldwide Protein Data Bank (wwPDB)</a>

	<a href="#">Biological Magnetic Resonance Data Bank (BMRB)</a>
	<a href="#">Electron Microscopy Data Bank (EMDB)</a>
Microarray data (must be MIAME compliant)	<a href="#">Gene Expression Omnibus (GEO)</a>
	<a href="#">ArrayExpress</a>
Crystallographic data for small molecules	<a href="#">Cambridge Structural Database</a>

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### **Data availability**

The journal encourages authors to provide a statement of Data availability in their article. Data availability statements should include information on where data supporting the results reported in the article can be found including, where applicable, hyperlinks to publicly archived datasets analysed or generated during the study. Data availability statements can also indicate whether data are available on request from the authors and where no data are available, if appropriate.

Data Availability statements can take one of the following forms (or a combination of more than one if required for multiple datasets):

1. The datasets generated during and/or analysed during the current study are available in the [NAME] repository, [PERSISTENT WEB LINK TO DATASETS]
2. The datasets generated during and/or analysed during the current study are not publicly available due [REASON WHY DATA ARE NOT PUBLIC] but are available from the corresponding author on reasonable request.
3. The datasets generated and/or analysed during the current study are available from the corresponding author on reasonable request.
4. Data sharing not applicable to this article as no datasets were generated or analysed during the current study.
5. All data generated or analysed during this study are included in this published article [and its supplementary information files].

More examples of template data availability statements, which include examples of openly available and restricted access datasets, are available [here](#).

**The addition of a statement on Data Availability is encouraged before the References in all Articles.**