

FAIRsharing: what we do for policies

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[@FAIRsharing_org](https://twitter.com/FAIRsharing_org)



[10.25504/FAIRsharing.2abjs5](https://doi.org/10.25504/FAIRsharing.2abjs5)



National Institutes
of Health



MRC
Medical
Research
Council



NATURAL
ENVIRONMENT
RESEARCH COUNCIL

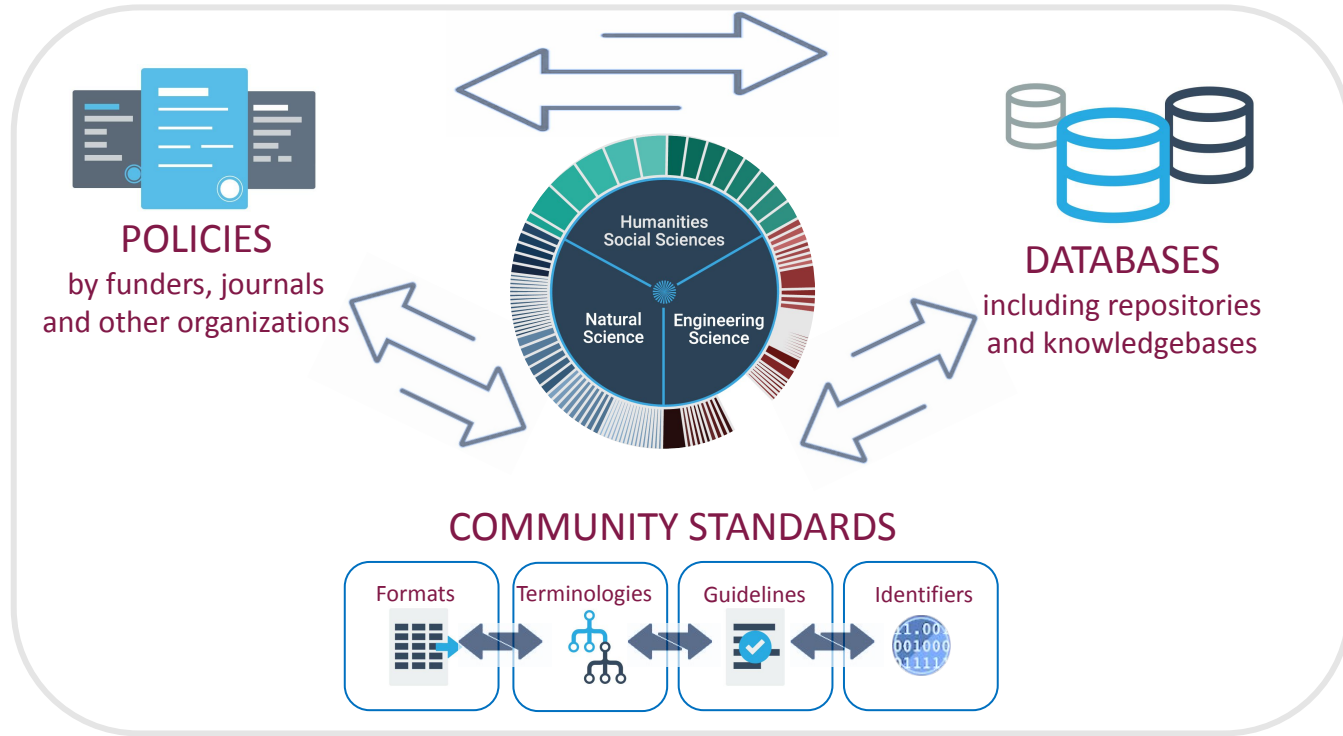


eliXIR
UNION
KINGDOM



wellcome

An informative and educational resource, and a service



FAIRsharing provides **curated descriptions** and **relationship graphs** of
standards, databases and policies in **all disciplines**

FAIRsharing: part of EOSC and the research ecosystem

Users, adopters, community and activities:

An endorsed output of the
FAIRsharing WG
(since 2015):



A WG (since 2015) in:



A recommended resource in EOSC reports



Used by all stakeholder groups

Researchers in academia,
industry and government

Developers & curators of
resources and tools

Research data facilitators,
librarians, trainers

Society, unions
and community alliances

Journal publishers and
organisations with data policies

Funders and data
policy makers



WILEY
SPRINGER
NATURE



F1000
FACULTY1000



EMBOpress



(GIGA) SCIENCE

OXFORD
UNIVERSITY PRESS

THE
ROYAL SOCIETY
PUBLISHING



Hindawi



CAMBRIDGE
UNIVERSITY PRESS



Jisc



COS
CENTER FOR
OPEN SCIENCE



GO FAIR

FORCE11
The Future of Research Communications and e-Scholarship



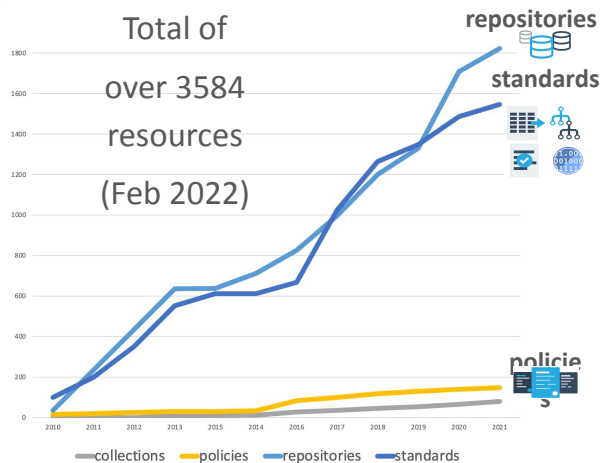
<https://fairsharing.org/communities>

FAIRsharing.org Educational

CC BY-SA 4.0 International

Promoting use and value of databases, standards, policies

FAIRsharing.org



1578 Standards

Terminology Artifact	830
Model/Format	504
Reporting Guideline	225
Identifier Schema	19

[VIEW ALL](#)

1846 Databases

Repositories	952
Knowledgebases	788
Knowledgebase/Repositories	106

[VIEW ALL](#)

160 Policies

Journal	94
Funder	23
Project	16
Society	13

[VIEW ALL](#)

Guides **consumers** to *discover, select and use* these resources with confidence

Helps **producers** to make their resources more *visible, more widely adopted and cited*



Wellcome Trust Policy on Data Management and Sharing

 [10.25504/FAIRsharing.pj0zsn](https://doi.org/10.25504/FAIRsharing.pj0zsn) 

Type

Funder

Registry

Policy

Description

All Wellcome Trust funded researchers should maximise access to their research data with as few restrictions as possible. It requires applicants whose proposed research will generate data that hold significant value as a resource for the wider research community to submit a data management and sharing plan as part of the application process.

Homepage

<http://www.wellcome.ac.uk/About-us/Policy/Policy-and-position-statements/WTX035043.htm>

Year of Creation

2010

Maintainers

[daverocarr](#)

Countries developing this resource

[United Kingdom](#)

Subjects

[Life Science](#)

[Biomedical Science](#)

Domains

None

Taxonomic Range

[All](#)

User Defined Tags

[Researcher Data](#)

 [VIEW RELATION GRAPH](#)



How to cite this record

FAIRsharing.org: Wellcome Trust Policy on Data Management and Sharing, DOI: [10.25504/FAIRsharing.pj0zsn](https://doi.org/10.25504/FAIRsharing.pj0zsn), Last Accessed: Tuesday, February 15th 2022, 15:06

 Record created at Tuesday, November 4th 2014, 15:23 |  Record updated at Wednesday, November 24th 2021, 13:15

<https://doi.org/10.25504/FAIRsharing.pj0zsn>

Funder policy: an example

GENERAL INFORMATION



Type Funder

Registry Policy

Description All Wellcome Trust funded researchers should submit a data management and sharing plan as part of their proposal, whose proposed research will generate data. This policy outlines the requirements for data management and sharing plan as part of the proposal.

Homepage <http://www.wellcome.ac.uk/About-us/Policy>

Year of Creation 2010

Maintainers [daverocarr](#)

Countries developing this resource [United Kingdom](#)

Subjects [Life Science](#) [Biomedical Science](#)

Domains None

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Wellcome Trust Policy on Data Management and Sharing

[doi](#) [10.25504/FAIRsharing.pj0zsn](https://doi.org/10.25504/FAIRsharing.pj0zsn)

COLLECTIONS & RECOMMENDATIONS

Search through in collections

IN POLICIES (0) **IN COLLECTIONS (1)**

National Child Development Study (UK)

National Child Development Study (UK) **collects** Wellcome Trust Policy on Data Management and Sharing

RELATED CONTENT

Search through other related records

RELATED DATABASES (0) **OTHER RELATED RECORDS (2)**

OECD Principles and Guidelines for Access to Research Data from Public Funding

OECD Principles and Guidelines for Access to Research Data from Public Funding **related to** Wellcome Trust Policy on Data Management and Sharing

Wellcome Trust: Sharing research data to improve public health: joint statement of purpose

Wellcome Trust Policy on Data Management and Sharing **related to** Wellcome Trust: Sharing research data to improve public health: joint statement of purpose

SUPPORT

Help documentation

<http://www.wellcome.ac.uk/About-us/Policy/Spotlight-issues/Data-sharing/Data-management-and-sharing/index.htm>

Twitter

<https://twitter.com/wellcometrust>

Contacts

Name: [Anne Taylor](#)

ORGANISATIONS

Organisations funding this resource

[The Wellcome Trust, UK](#)
(Charitable foundation)

Funder policy: an example

GENERAL INFORMATION



Wellcome Trust Policy on Data Management and Sharing

10.25504/FAIRsharing.pj0zsn

Type

Funder

Funder policy: the value of our graphs

NationalChildDevelopmentStudyU...

Wellcome Trust Policy on Data ...

OECD Principles and Guidelines...

Wellcome Trust Sharing resear...

Maturity status

ready

Record type

Policy

Collection

Relationships

Related To

Collected by

<https://doi.org/10.25504/FAIRsharing.pj0zsn>



Wellcome Trust Policy on Data Management and Sharing

doi 10.25504/FAIRsharing.pj0zsn

Type

Funder

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NationalChildDevelopmentStudyU...

Wellcome Trust Policy on Data ...

OECD Principles and Guidelines...

Wellcome Trust: Sharing resear...



OECD Principles and Guidelines for Access to Research Data from Public Funding

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Wellcome Trust: Sharing research data to improve public health: joint statement of purpose

Wellcome Trust Policy on Data Management and Sharing **related to** Wellcome Trust: Sharing research data to improve public healt...

Maturity status

ready

Record type

▲ Policy

◆ Collection

Relationships

Related To

Collected by

GENERAL INFORMATION



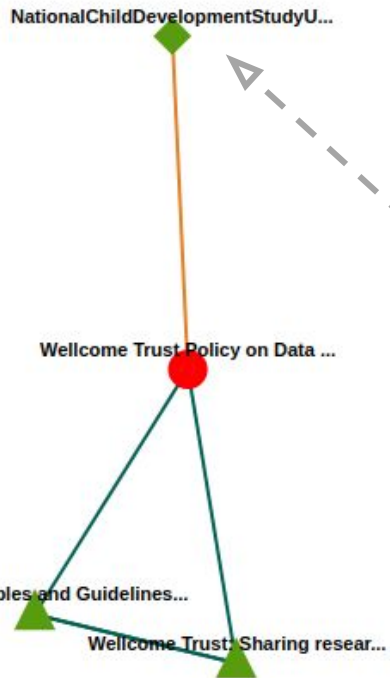
Wellcome Trust Policy on Data Management and Sharing

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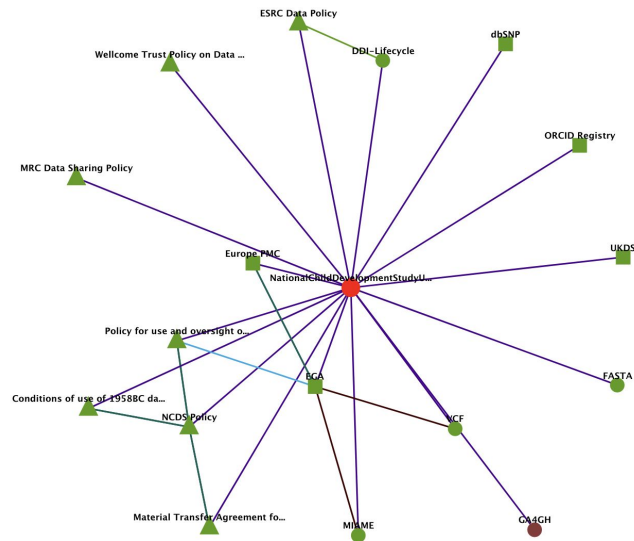
Type

Funder

Funder policy: the value of our graphs



FAIRsharing Network Graph
NationalChildDevelopmentStudyUK
(Collection/Collection)



Maturity status

- ready
- deprecated

Record type

- Database
- Standard
- Policy
- Collection

Relationships

- Collects
- Related To
- Recommends
- Implements
- Recommended by

A collection representing the **standards** and **databases** used by this UK study, which complies with the Wellcome **policy**

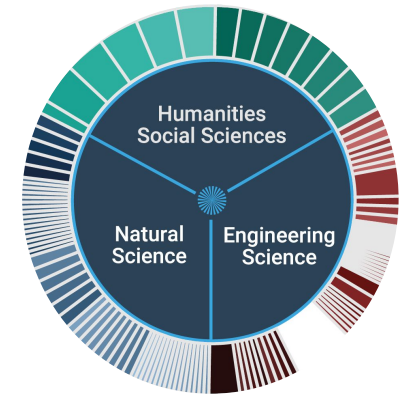
Policy classification and metadata

Classifying policies is key, because there is a mixture of types and focus

- **Broader or specific**, covering one or more **digital objects**
- Their **depth and coverage** vary depending on **organisation and context** in which are developed

Metadata fields include:

- Organization(s)
- Country
- Coverage
 - Discipline(s) coverage
 - Digital object type
- Related records
 - Standards
 - Databases
 - Other policies



AGU Data and Software Guidance

American Geophysical Union Data and Software for Authors Guidance

AGU affirmed in its 2012 position statement that "Earth and space science data should be widely accessible in multiple formats and long-term preservation of data is an integral responsibility of scientists and sponsoring institutions."

[Open Access](#)
[DOI](#)
[Peer Review](#)
[View more tags](#)

Related Standards:
 Related Databases:
 Related Policies:

Taylor and Francis Data Policy

Taylor & Francis publish in all areas of the Humanities, Social Sciences, Behavioural Sciences, Science, Technology and Medicine sectors. Taylor & Francis Group publishes more than 2,500 journals and over 5,000 new titles...

[Open Access](#)
[DOI](#)
[Peer Review](#)
[View more tags](#)

Related Standards:
 Related Databases:
 Related Policies:

Springer Nature Research Data Policy Type 4

The Springer Nature Research Data Policy Type 4 requires data sharing, evidence of data sharing and peer review of data. The policy text includes information on the Springer Nature list of recommended repositories, guidelines...

[Open Access](#)
[DOI](#)
[Peer Review](#)
[View more tags](#)

Related Standards:
 Related Databases:
 Related Policies:

Netherlands Code of Conduct for Research Integrity 2018

The Code of Conduct has been adopted by all universities and applies as from 1 October 2018. The Code includes the five principles which form the basis of integrity in research: Honesty - Integrity - Scrupulousness - Transparency - Independence.

[Open Access](#)
[DOI](#)
[Peer Review](#)
[View more tags](#)

Related Standards:
 Related Databases:
 Related Policies:

Genome Canada Data Release and Resource Sharing Policy

Genome Canada is committed to the principle of rapid data release and sharing of unique resources to the scientific community. Genome Canada-funded projects must therefore share data and resources in a timely fashion with...

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[DOI](#)
[Peer Review](#)
[View more tags](#)

Related Standards:
 Related Databases:
 Related Policies:

PeerJ Data and Materials Sharing Policies

These are the journal requirements for data deposition and sharing. There are other sections on that page which are also relevant here, most substantially https://www.peerj.com/about/policies-and-procedures/#study-guidelines

[Open Access](#)
[DOI](#)
[Peer Review](#)
[View more tags](#)

Related Standards:
 Related Databases:
 Related Policies:

AAS Policy

African Academy of Sciences Open Research Data Guidelines for Authors

This is a non-exhaustive list of databases, standards, and policies that have been approved for an AAS Open Research article.

[Open Access](#)
[DOI](#)
[Peer Review](#)
[View more tags](#)

Related Standards:
 Related Databases:
 Related Policies:

Cell Press - Cell Host & Microbe - Information for Authors

Cell Host & Microbe is part of the Cell Press family of journals, and shares much of its guidelines with them. The information for authors page contains a broad range of guidelines for publishing in Cell Host & Microbe. With regards to da...

[Open Access](#)
[DOI](#)
[Peer Review](#)
[View more tags](#)

Related Standards:
 Related Databases:
 Related Policies:

Springer Nature Research Data Policy Type 2

The Springer Nature Research Data Policy Type 2 encourages data sharing and evidence of data sharing. Materials described in the manuscript, including all relevant raw data, will be freely available to any researcher wishing to use the...

[Open Access](#)
[DOI](#)
[Peer Review](#)
[View more tags](#)

Related Standards:
 Related Databases:
 Related Policies:

Springer Nature Research Data Policy Type 1

The Springer Nature Research Data Policy Type 1 encourages data sharing and data citation. Journals adhering to this policy type encourage authors, where possible and applicable, to deposit data that support the findings of th...

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[DOI](#)
[Peer Review](#)
[View more tags](#)

Related Standards:
 Related Databases:
 Related Policies:

Related data about DDX54 and gastric cancer

DDX54 is a new potential prognostic marker on the rise in gastric cancer

[Open Access](#)
[DOI](#)
[Peer Review](#)
[View more tags](#)

Related Standards:
 Related Databases:
 Related Policies:

eLife Data Policy

eLife Recommended Repositories and Standards

This policy outlines the databases, repositories and standards recommended for author use by eLife. eLife is a signatory of the TOP guidelines, that promote shared standards for accessing research, transparency, and reproducibility...

[Open Access](#)
[DOI](#)
[Peer Review](#)
[View more tags](#)

Related Standards:
 Related Databases:
 Related Policies:

Policies registration: why organisations use FAIRsharing

Their needs:

- **Make** their recommendations **transparent**
 - **list** examples or all of their recommended standards and repositories
- **Keep abreast** of the dynamic landscape of standards and repositories
 - **monitor** evolution of these resources, e.g. new, deprecated, merged
 - **update** and **evolve** their recommendations, adapting to needs of the community they serve



Recommend FAIRsharing to your awardees or community to inform development of their data management plan; select the appropriate resources to recommend in your data policy.

Funders and data
policy makers



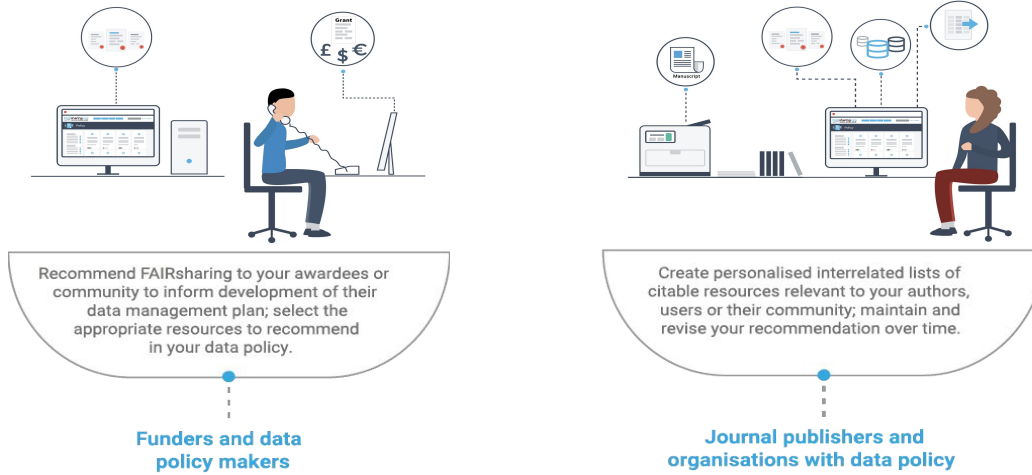
Create personalised interrelated lists of citable resources relevant to your authors, users or their community; maintain and revise your recommendation over time.

Journal publishers and
organisations with data policy

Policies registration: why organisations use FAIRsharing

What we offer:

- **Citability** via DOI
- **Discoverability** of the policies by humans and machines
- **Flexible but clearer descriptions** of the policies and what they recommend
- **Relationships** to the repositories and standards recommended
- **Comparability** of one policy to another (*in development*)



FAIRness of FAIRsharing: machine-accessible content

Findability



Sitemap.xml, JSON

Schema.org

Markup with Schema.org for search indexes



DOI unique persistent identifiers for each record



ORCID for author credit and authentication

Interoperability



JSON markup



Standardized semantics



Cross-links to or import from records in other registries



ROR for organizations (*ongoing*)



Funder Registry FundRef for funders (*ongoing*)

Accessibility



read/write REST API
read OAI-PMH

Reusability



CC BY 4.0 license



JSON export

To summarise: role of FAIRsharing and lessons learned



We can provide **registration** to enable:

- Citability
- Discoverability
- Flexible and clearer descriptions
- Relationships
- Machine readability
- Comparability



We can **prototype** and **implement** a common **template** for all types of policy, when this emerges



We can **engage with policy stakeholders**, many of which are already our users

To summarise: role of FAIRsharing and lessons learned



We can provide **registration** to enable:

- Citability
- Discoverability
- Flexible and clearer descriptions
- Relationships
- Machine readability
- Comparability



We can **prototype** and **implement** a common **template** for all types of policy, when this emerges



We can **engage with policy stakeholders**, many of which are already our users



Curating, describing, tagging, classifying the policies is not trivial. These **activities need funding!**



Can we converge towards a **common system and template**, which works for all policy-makers?



Maintaining the description up-to-date and monitoring evolution of each policy require **continued engagement and curation**

Operational Team

- **Allyson Lister**, Content and Community Lead
- **Milo Thurston**, Technical Lead
- **Ramon Granell**, Data Enrichment & Quality Manager
- **Delphine Dauga**, Data Curator Manager
- **Hossein Mirian**, Web Developer
- **Dominique Batista**, Research Software Engineer
- **Philippe Rocca-Serra**, Co-Founder
- **Susanna-Assunta Sansone**, PI and Founder
- *and many collaborators and contributors!*

Executive Advisors

- **Varsha Khodiyar**, HDRUK
- **David Carr**, Independent expert
- **Chris Graf**, Springer Nature
- **Marta Teperek**, Data Stewardship Coordinator, TUDelft
- **Robert Hanisch**, Director, NIST Office of Data & Informatics
- **Peter McQuilton**, FAIRsharing Founding Member, GSK

Stakeholder Advisors

- **Amye Kenall**, VP of Publishing and Product, Research Square
- **Adam Leary**, Oxford University Press
- **Catriona MacCallum**, Hindawi
- **Dagmar Meyer**, European Research Council, Executive Agency
- **Dominic Fripp**, JISC, UK
- **Emma Ganley**, Protocols.io
- **Geraldine Clement-Stoneham**, Medical Research Council
- **Helena Cousijn**, DataCite
- **Iain Hrynaszkiewicz**, PLoS
- **Imma Subirats**, FAO of the United Nations
- **Kiera McNiece**, Cambridge University Press
- **Luiz Olavo Bonino**, GO-FAIR
- **Marina Soares E Silva** and **Sarah Callaghan**, Elsevier
- **Michael Ball**, Biotechnology and Biological Sciences Research Council
- **Mike Huerta**, NIH National Library of Medicine
- **Molly Cranston** and **Guillaume Wright**, F1000Research
- **Nick Everitt** and **Matthew Cannon**, Taylor and Francis
- **Scott Edmunds**, GigaScience, Oxford University Press
- **Simon Hodson**, CODATA
- **Theo Bloom**, British Medical Journal
- **Thomas Lemberger**, EMBO Press
- **Wei-Mun Chan**, eLife
- **Sowmya Swaminathan**, Springer Nature