# FAIRsharing.org

curating an ecosystem of databases, standards and policies to enable FAIR data and explore community relationships

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RDA Europe / EOSC Future Domain Ambassador for standards, repositories and policies



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@FAIRsharing\_org



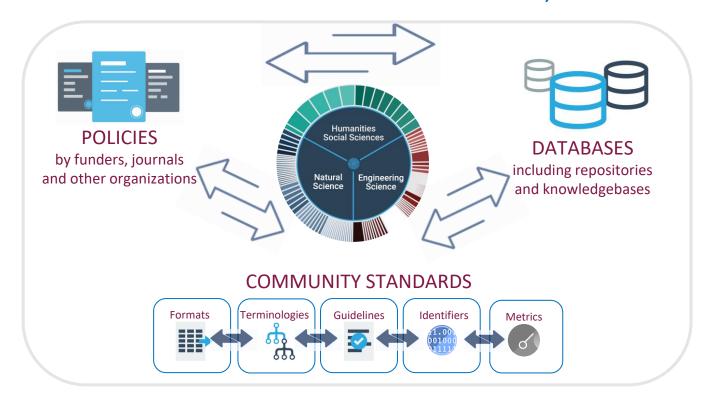
10.25504/FAIRsharing.2abjs5







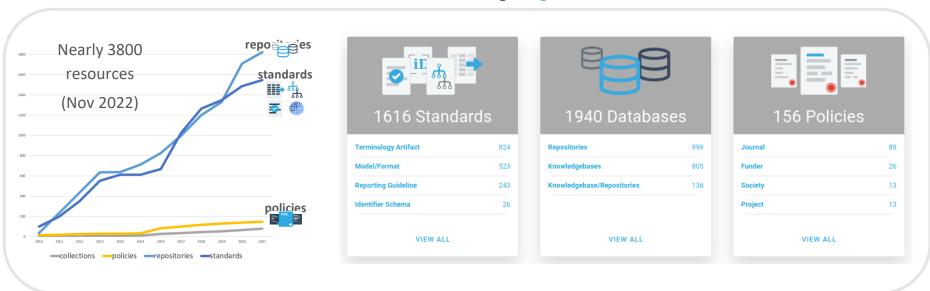
## An informative and educational resource, and a service



FAIRsharing provides curated descriptions and relationship graphs of

## Promoting use and value of databases, standards, policies

#### FAIRsharing.org



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

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

## Users, adopters, communities and working groups

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

Society, unions

Research data facilitators. librarians, trainers

Journal publishers and organisations with data policies

Developers & curators of resources and tools

and community alliances

Funders and data policy makers





**TURNING** FAIR INTO

REALITY

erc















































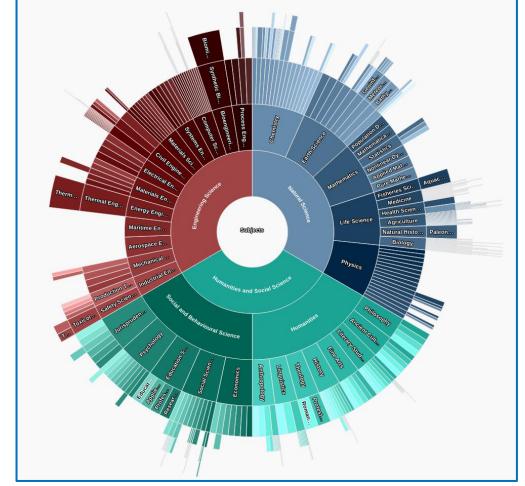






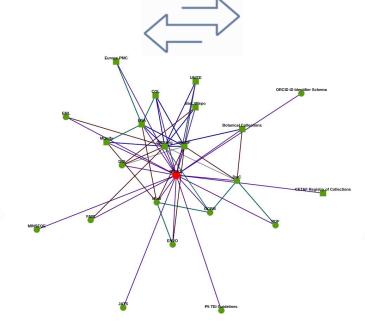
Providing relevant information across the entire research community is a complex challenge requiring a strong user community

Relationships (among resources and within the user community) are at the core of FAIRsharing's curation approaches



## **Relationships** are key



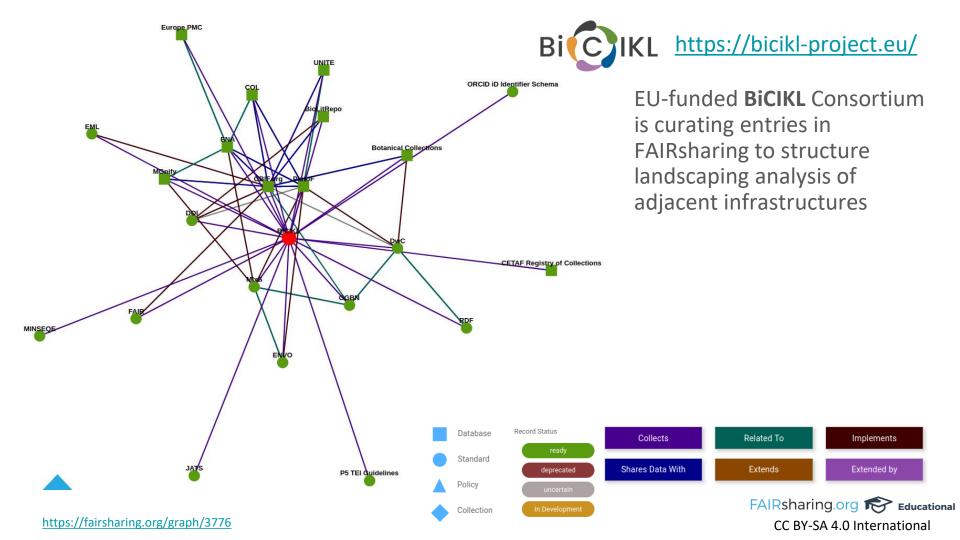


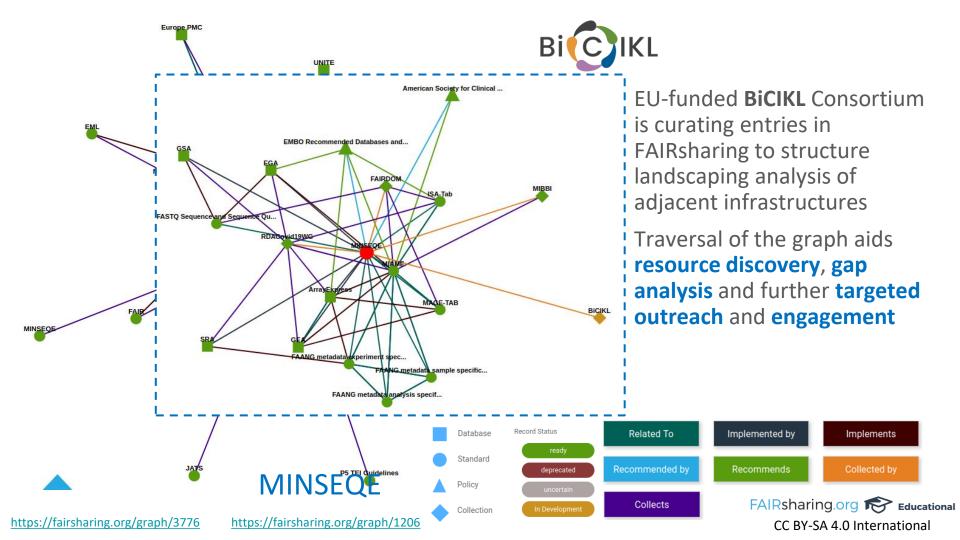




#### **COMMUNITY STANDARDS**

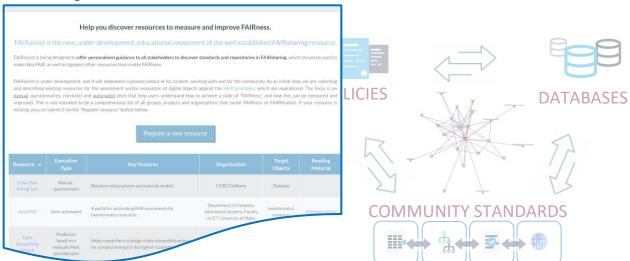






## **Relationships** with tool developers

#### fairassist.org













## **Relationships** with tool developers

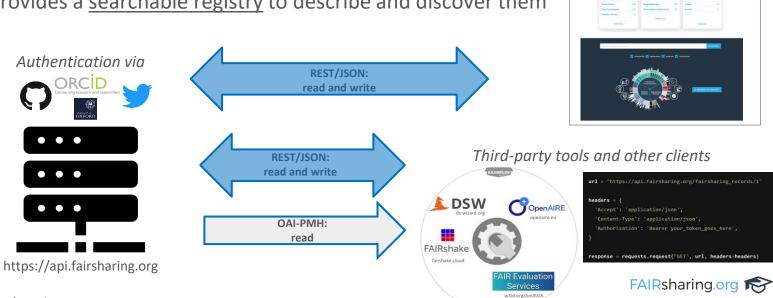
https://fairsharing.org/API doc

#### For FAIR evaluation, DMP and other tools/services

it provides a look-up service (via the API) for standards and repositories

#### For developers and users of FAIRness tests and indicators

it provides a searchable registry to describe and discover them



User interface

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## Relationships with guidance and standards developers

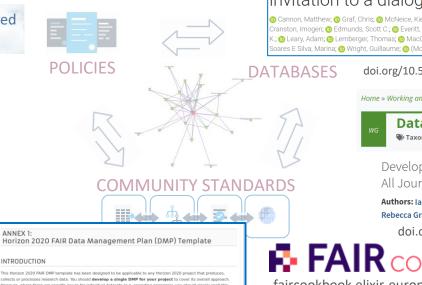




FAIR Data Policy Checklist and Structured **Policy Descriptions** 

doi.org/10.5281/zenodo.6281105





In general terms, your research data should be "FAIR", that is findable, accessible, interoperable and re-usable. Thes

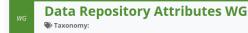
Structure of the template

Repository Features to Help Researchers: An invitation to a dialogue

📵 Cannon, Matthew; 📵 Graf, Chris; 📵 McNeice, Kiera; 🔞 Chan, Wei Mun; 📵 Callaghan, Sarah; 📵 Carnevale, Ilaria; 📵 Cranston, Imogen; 📵 Edmunds, Scott C.; 📵 Everitt, Nicholas; 📵 Ganley, Emma; 📵 Hrynaszkiewicz, Iain; 📵 Khodiyar, Varsha K.; 📵 Leary, Adam; 📵 Lemberger, Thomas; 📵 MacCallum, Catriona J.; 📵 Murray, Hollydawn; 📵 Sharples, Kathryn; 📵 Soares E Silva, Marina; 📵 Wright, Guillaume; 📵 (Moderator) McQuilton, Peter; 📵 (Moderator) Sansone, Susanna-Assunta

doi.org/10.5281/zenodo.4683794

Home » Working and Interest Groups » Working Group » Data Repository Attributes WG



Developing a Research Data Policy Framework for All Journals and Publishers

Authors: Iain Hrynaszkiewicz , Natasha Simons, Azhar Hussain, Rebecca Grant, Simon Goudie

doi.org/10.5334/dsj-2020-005

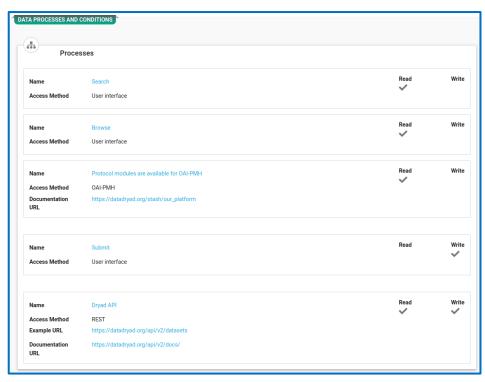


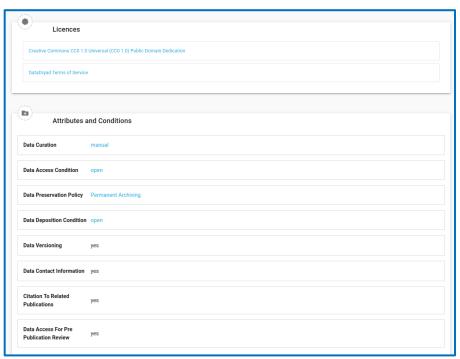
faircookbook.elixir-europe.org

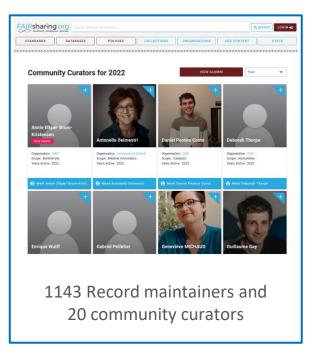


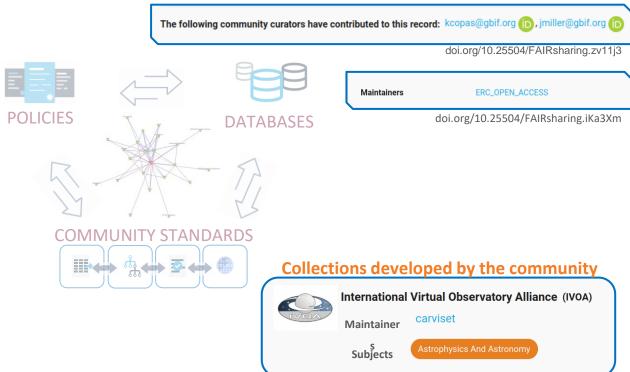
FAIRsharing.org Educational CC BY-SA 4.0 International

# Relationships with guidance and standards developers









URL: https://fairsharing.org/IVOA

#### **Organisations**

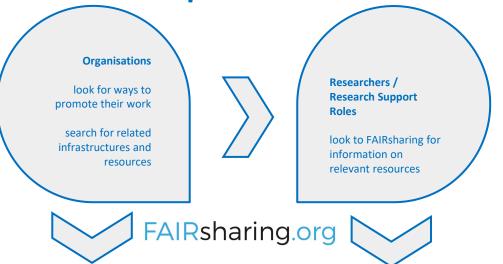
look for ways to promote their work

search for related infrastructures and resources



Researchers / Research Support Roles

look to FAIRsharing for information on relevant resources



#### **Organisations**

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FAIRsharing.org



#### Maintainers / Community Curators

showcase projects and reveals hidden connections

enrich FAIRsharing content to gain expertise and attribution

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## FAIRsharing.org



#### Communities

Engagement with FAIRsharing aids resource discovery, gap analysis and further targeted outreach and engagement



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#### **FAIRsharing for communities**

We help you <u>customise your view</u> of FAIRsharing to declare and visualise the standards and repositories you use

We <u>promote</u> your organisation and your efforts as a maintainer/curator

We help you <u>leverage</u> wider knowledge, <u>share</u> information, <u>support</u> open science and connect infrastructures







#### **GBIF Use Case**

GBIF wants to perform a landscape analysis of infrastructures adjacent to them and to the BiCIKL consortium.

GBIF Community Manager Kyle Copas asks FAIRsharing if we can help, and joins us as a Community Curator for Biodiversity



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Kyle gains personal attribution and expertise as a result of his efforts

His role as a Community Curator promotes the work of GBIF by enriching FAIRsharing content, revealing connections that they weren't aware of going into the collaboration/project

## Tailored views for education and promotion

**Collections** are are branded pages that *group* selected **standards** and/or **repositories** Initiatives and projects have created them for several purposes, e.g. to list resources:



#### **Developed by the community**



URL: https://fairsharing.org/IVOA

#### **Developed by a SDO**



URL: https://fairsharing.org/CDISC

#### Recommended by a community



URL: https://fairsharing.org/RDACovid19WG

#### Mapped to each other



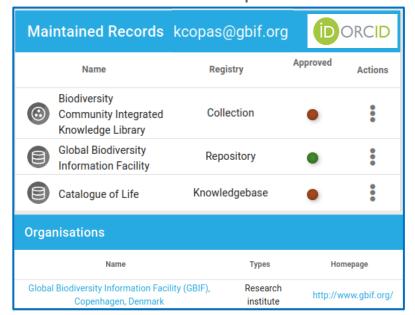
URL: https://fairsharing.org/CrosswalkOfMostUsedMetadataSchemesAndGuidelines

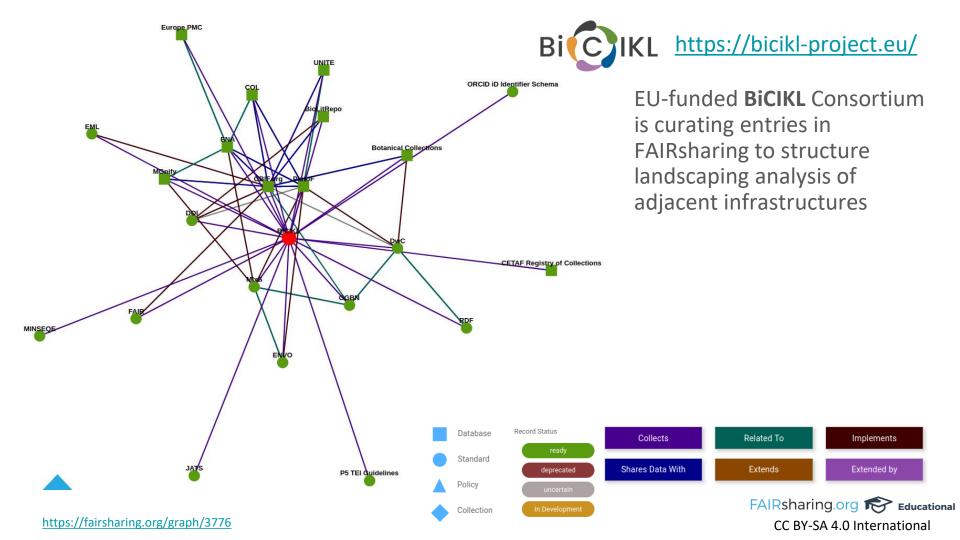
## Organisation information for: Global Biodiversity Information Facility

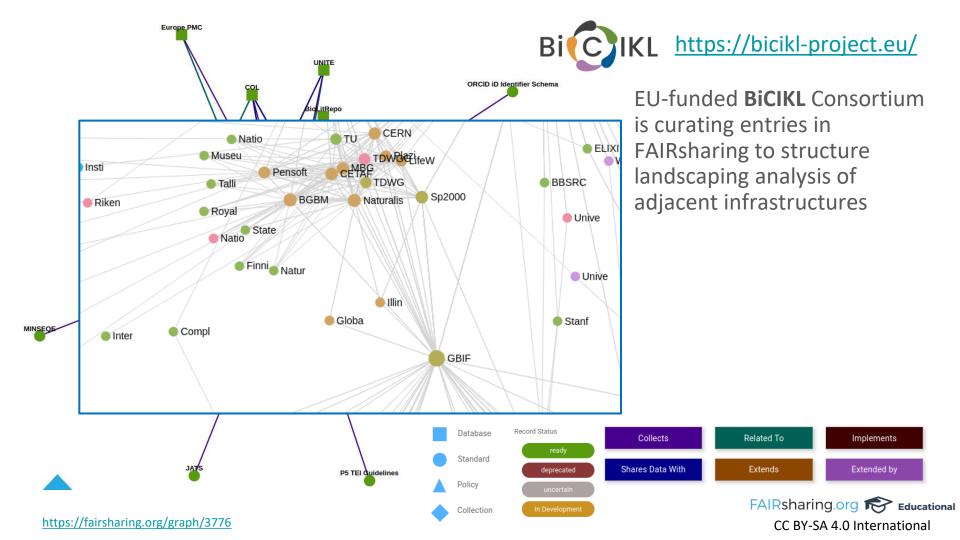
Records related to this organisation	ROR		FILTER RE	CORDS
Name	Status	Relation	Grant	Actions
SIB Colombia IPT - GBIF Colombia Repository	•	Maintains		:
World Register of Marine Species	•	Funds		•
Atlas of Living Australia IPT - GBIF Australia Repository	•	Maintains		•
GBIF Spain IPT - GBIF Spain Repository	•	Maintains		•
Canadensys IPT - GBIF Canadensys Repository	•	Maintains		•
Canadian Biodiversity Information Facility	•	Maintains		•
Minimum Information for Reusable Arthropod Abundance Data	•	Maintains		•
Biological Collections Ontology	•	Maintains		•
<b>⊜</b> GBIF.org	•	Maintains		•
ChecklistBank	•	Funds		:
1-10 of 17				

# Organization and user attribution

Linking associated data resources, standards and policies

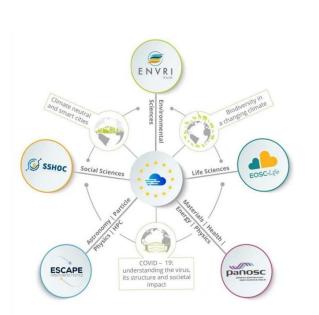






## **FAIRsharing Community Curator Programme**

#### **Curate – Influence – Gain Attribution – Engage – Learn**





fairsharing.org/community\_curation

- Gain on-the-job curation expertise
- Engagement and networking with a community of likeminded people
- Become an expert on data and metadata standards, repositories and data policies in their area
- Influence new FAIRsharing functionalities
- Attribution via ORCID,
   specialist user profiles, and
   others FAIRsharing.org Educational

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## FAIRsharing.org

#### **Current Operational Team**

- Allyson Lister, Content and Community Lead
- Milo Thurston, Technical Lead
- Ramon Granell, Data Enrichment & Quality Manager
- Delphine Dauga, Data Curator Manager
- Prakhyat Gailani, 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**

- Chris Graf, Springer Nature
- David Carr, Independent expert
- Peter McQuilton, (FAIRsharing Founding Member), GSK
- Robert Hanisch, National Institute of Standards and Technology
- Varsha Khodiyar, Independent Expert

#### **Community Curators**

https://fairsharing.org/community\_curation/our\_curators

#### **Stakeholder Advisors**

- Amye Kenall, Research Square
- Adam Leary, Oxford University Press
- Catriona MacCallum, Hindawi
- Dagmar Meyer, European Research Council, Executive Agency
- Dominic Fripp, JISC
- Emma Ganley, Protocols.io
- Geraldine Clement-Stoneham, Medical Research Council
- Helena Cousijn, DataCite
- Lauren Cadwallader, PLoS
- Imma Subirats, FAO of the United Nations
- Kiera McNiece, Cambridge University Press
- Luiz Olavo Bonino, GO-FAIR
- Lorenzo Feri and Sarah Callaghan, Elsevier
- Michael Ball, Medical Research Council
- Mike Huerta, NIH National Library of Medicine
- Molly Cranston and Guillaume Wright, F1000Research
- Nick Everitt and Matthew Cannon, Taylor and Francis
- Sarah Stewart, Bodleian Libraries, University of Oxford
- 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
- Marta Teperek, TUDelft



