

Building a global (and open!) research infrastructure, one DOI at a time

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CONNECTING RESEARCH,
IDENTIFYING KNOWLEDGE

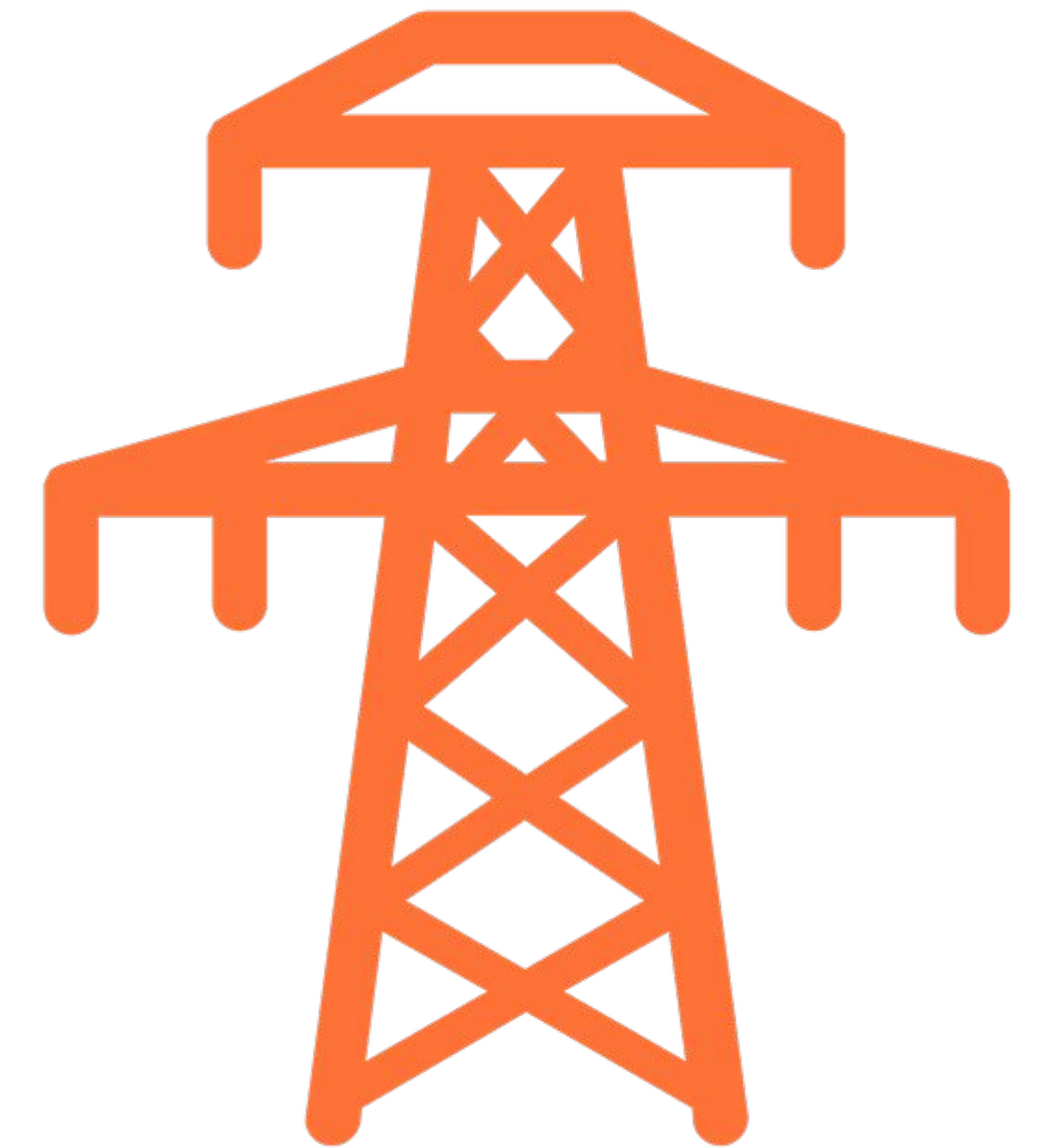


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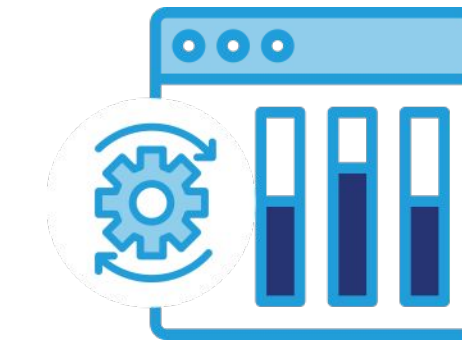
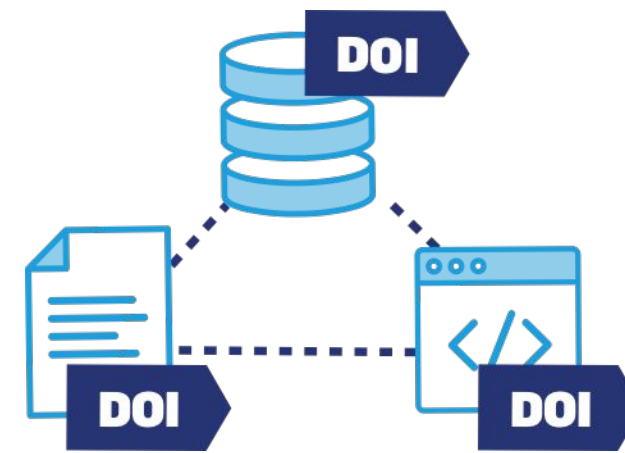
Our purpose

- Our vision at DataCite is **Connecting Research, Identifying Knowledge.**
- DataCite is a **community led** organization (found in 2009), and **open** to participation from members around the world. We work with research organizations (including research funders and facilities) from over 50 countries to provide the means to create, find, cite, connect, and (re)use research.
- We rely on each other for the success of open infrastructure



We are committed to the [Principles of Open Scholarly Infrastructure \(POSI\)](#)

Our value



Registering DataCite DOIs and metadata to improve the discoverability and reuse of research outputs and resources

- DOI metadata registration and maintenance
- Content negotiation
- Link checking
- Public APIs for harvesting by third parties

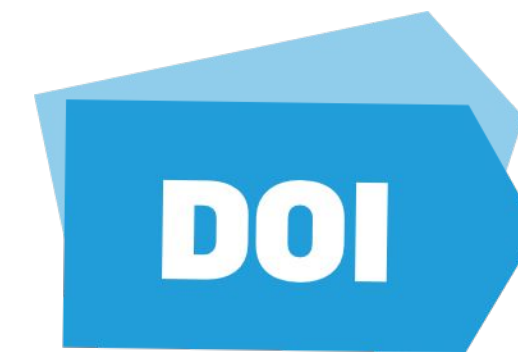
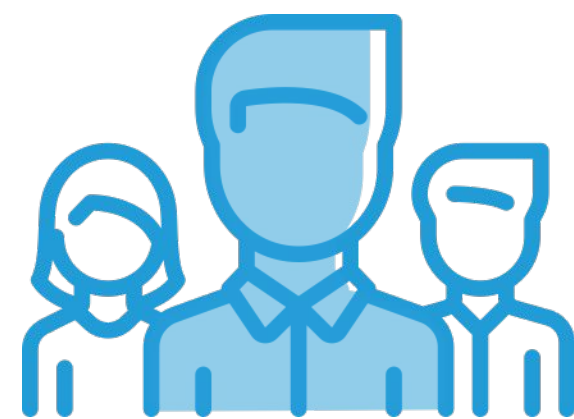
Our services support best practice adoption for the community

- Simple interfaces and services, support do documentation and dedicated staff.
- Best practice documentation
- Community coordination, full of passionate people who share experiences and support best practice adoption.
- Continued evolution of our metadata schema.

We continue to invest in tools and services to track the influence of research that transcends borders and domains

- Dashboards and analytics.
- Harvesting services.
- Graph APIs and relational metadata.

Our community*



2700+
Repositories

280+
Members
51
Consortia

50+
Countries

36.5m+
DOIs

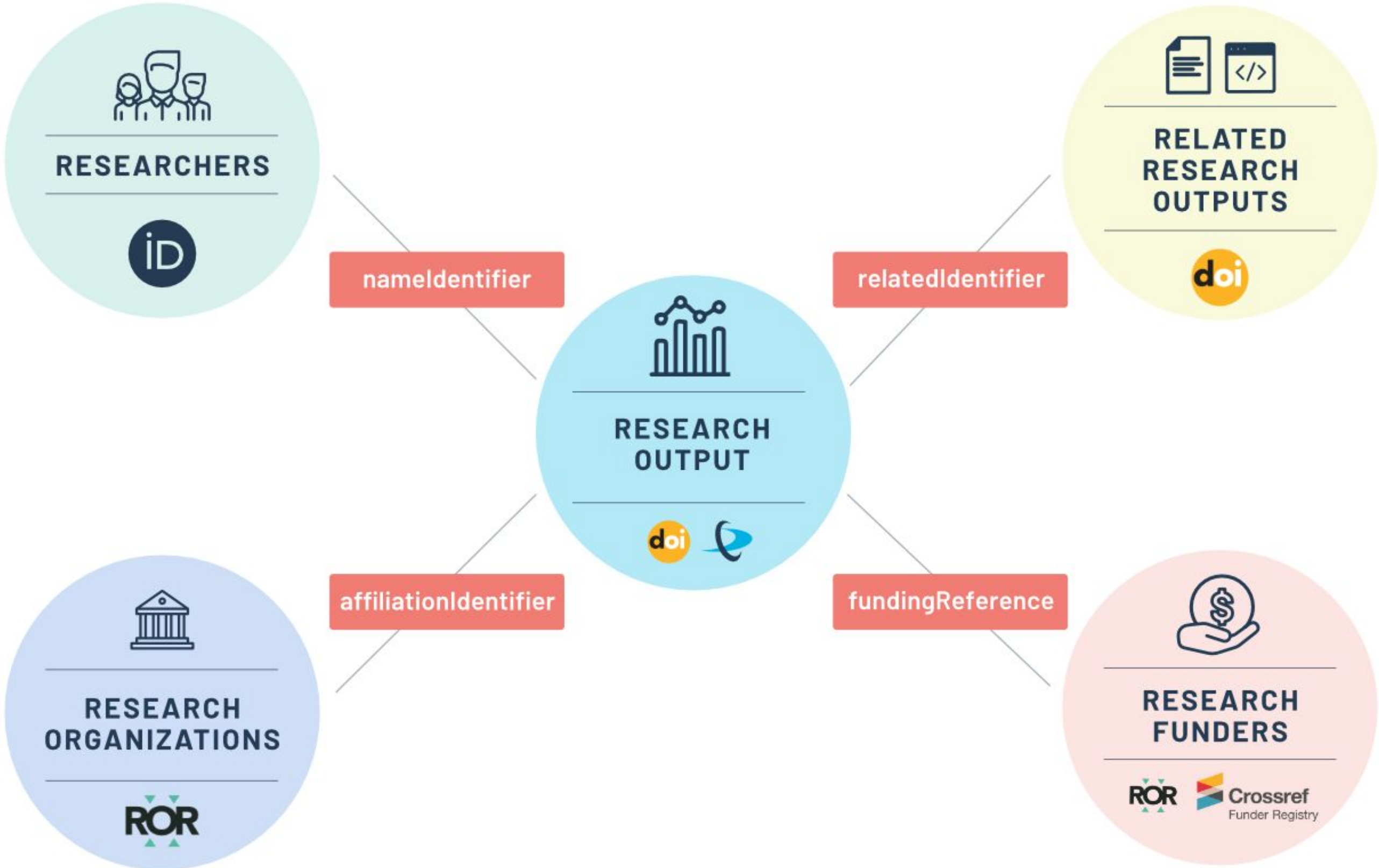
1.200+
Organizations

*Statistics as of September 2022

DataCite connection metadata



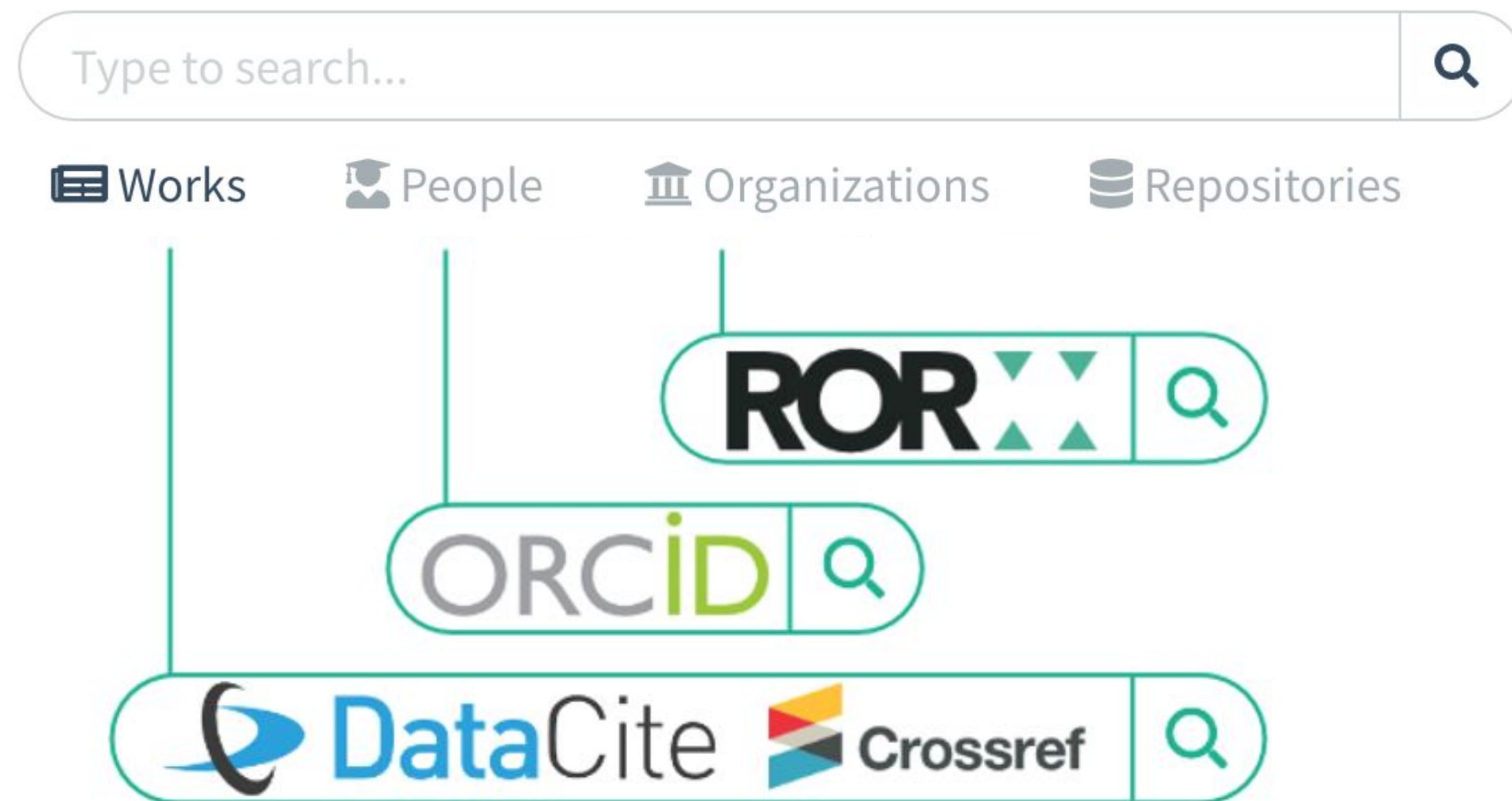
Connect DataCite DOIs to every part of research ecosystem



Find and Connect Research



Find Research with DataCite Commons



PID Graph

Number of nodes and connections (August 2022)



The power of PIDs

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<https://doi.org/10.5061/dryad.234>

Data from: Towards a worldwide wood economics spectrum

Amy E. Zanne, G. Lopez-Gonzalez, David A. Coomes, Jugo Ilic, Steven Jansen, Simon L. Lewis, Regis B. Miller, Nathan G. Swenson, Michael C. Wiemann & Jerome Chave

Version 5 of Dataset published 2009 in [DRYAD](#)

Wood performs several essential functions in plants, including mechanically supporting aboveground tissue, storing water and other resources, and transporting sap. Woody tissues are likely to face physiological, structural and defensive trade-offs. How a plant optimizes among these competing functions can have major ecological implications, which have been under-appreciated by ecologists compared to the focus they have given to leaf function. To draw together our current understanding of wood function, we identify and collate data on the major wood functional traits, including the largest wood density database to date (8412 taxa), mechanical strength measures and anatomical features, as well as clade-specific features such as secondary chemistry. We then show how wood traits are related to one another, highlighting functional trade-offs, and to ecological and demographic plant features (growth form, growth rate, latitude, ecological setting). We suggest that, similar to the manifold that tree species leaf traits cluster around the ‘leaf economics spectrum’, a similar ‘wood economics spectrum’ may be defined. We then discuss the biogeography, evolution and biogeochemistry of the spectrum, and conclude by pointing out the major gaps in our current knowledge of wood functional traits.

DOI registered June 8, 2010 via DataCite.

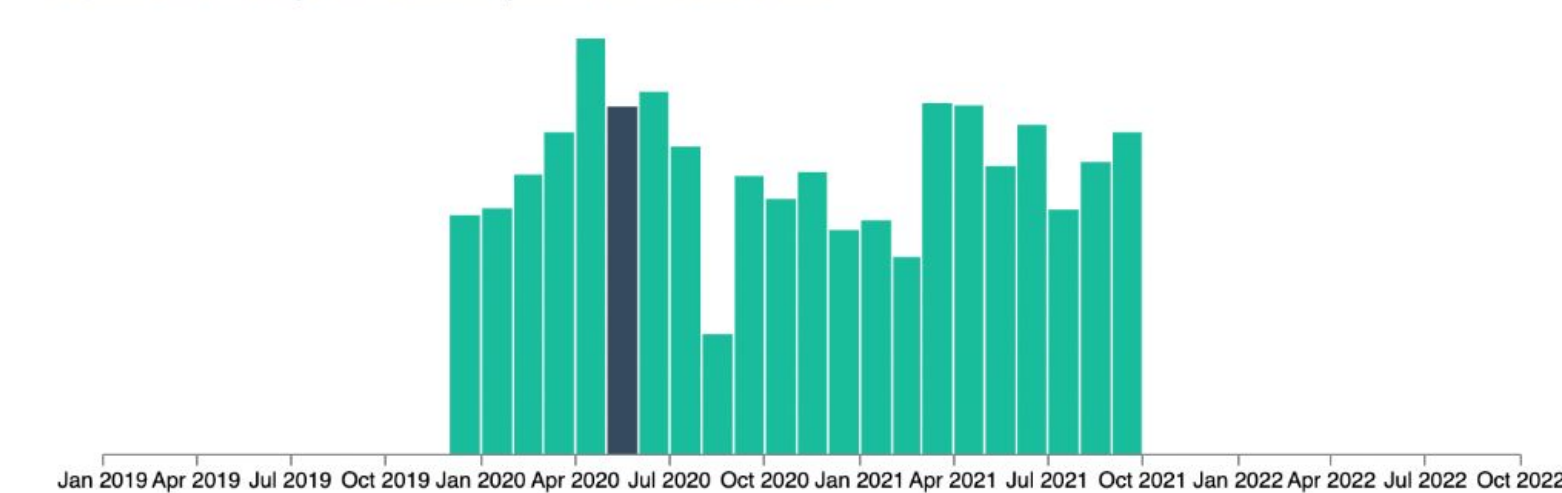


79 Citations 29K Views 16K Downloads

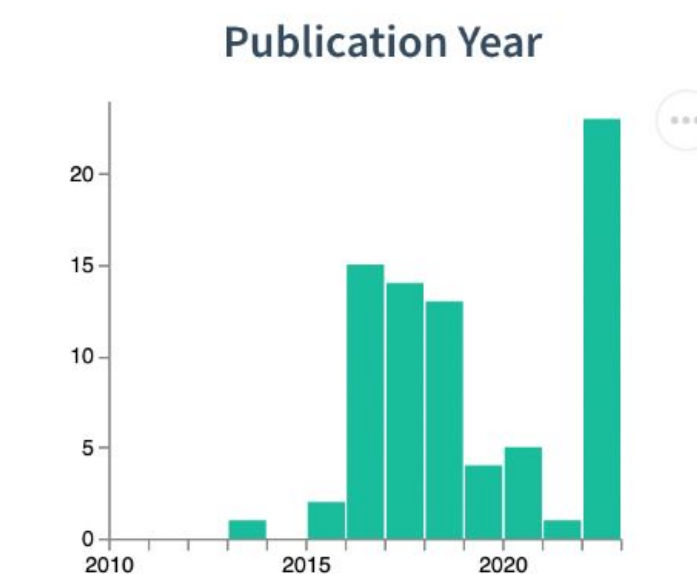
[Dataset](#) [English](#)

29,285 Views 15,832 Downloads

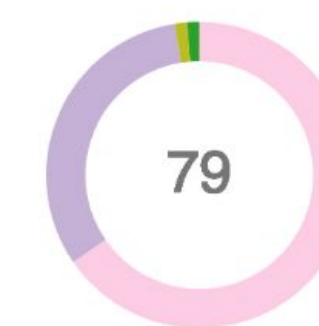
29,285 views reported since publication in 2009.



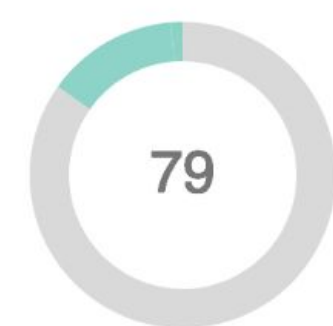
1 Reference **79 Citations**



Work Type




License



National & Regional Adoption


 **Australian Research Data Commons (ARDC)**
@ARDC_AU

The Australian [#research](#) sector could save \$24 million and 38,000 person days in wasted effort every year by adopting Persistent Identifiers [#PIDs](#), according to a new report by [@MoreBrains_Coop](#)
Read more > ardc.edu.au/article/strate...
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Strategic Investment in Identifiers Could Save \$24 million and 38,000 person days per year

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A cost-benefit analysis has revealed using persistent identifiers in the Australian research sector could save \$24 million per year and 38,000 person days in ...

<https://doi.org/10.5281/zenodo.7100578>

<https://doi.org/10.5281/zenodo.4772627>

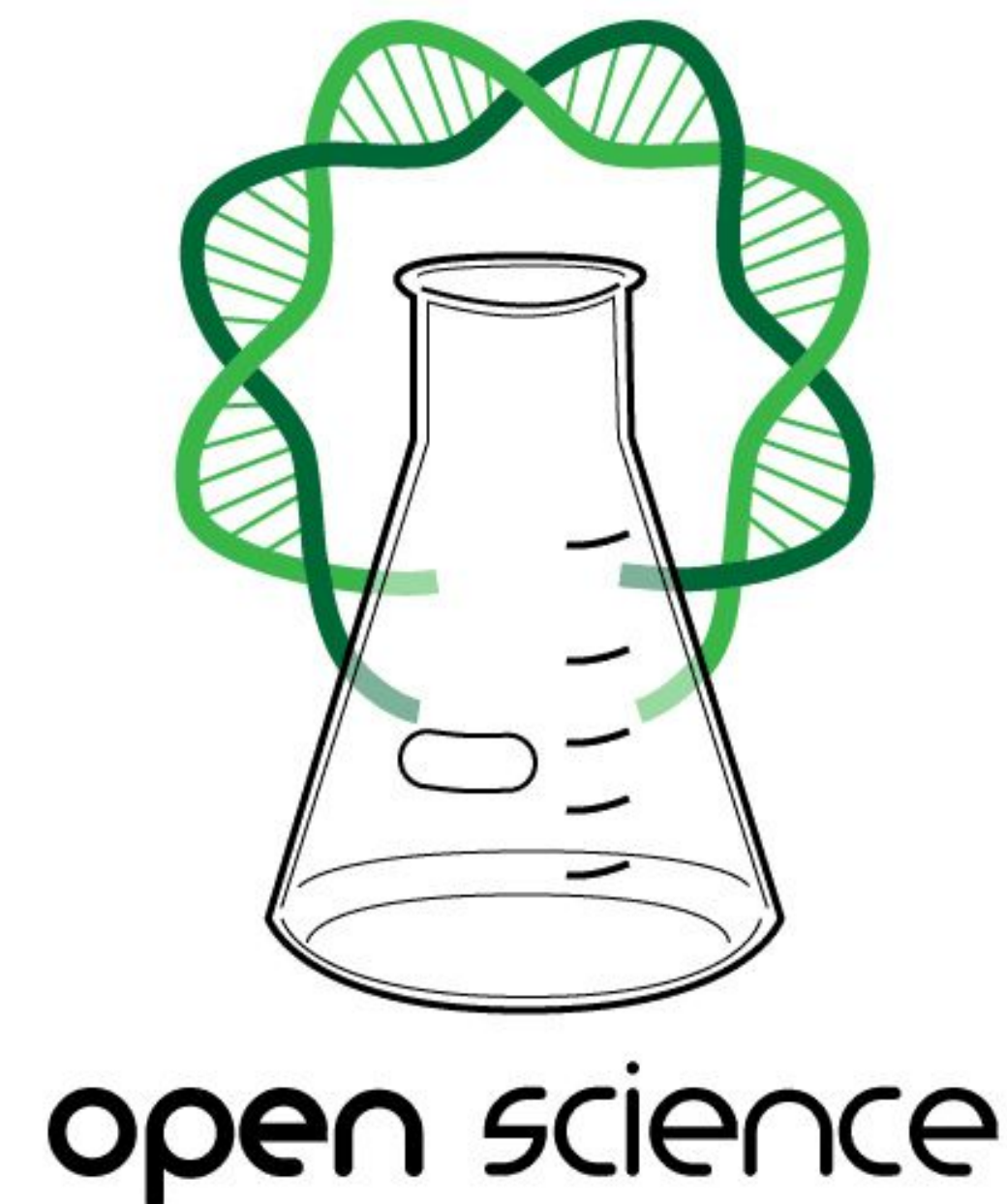
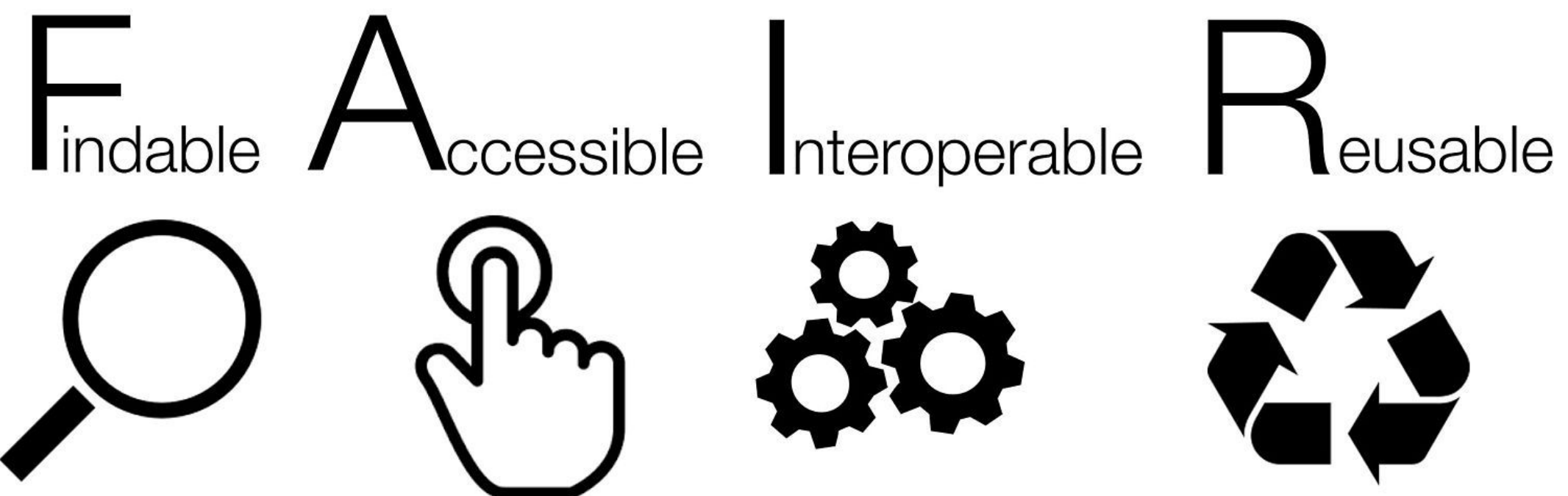
<https://www.rd-alliance.org/groups/national-pid-strategies-wg>



<https://fair-impact.eu/>

Join us!

1. Register DOIs and PIDs for your data and outputs
2. Include relational metadata
3. Share these connections with the community





CONNECTING RESEARCH,
IDENTIFYING KNOWLEDGE

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