Shine Together: ORCID and PIDs In a Row

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" PIDs alone do not provide much value. The value comes through embedding PIDs in other systems, connecting to them, visualizing connections, and leveraging relationships "
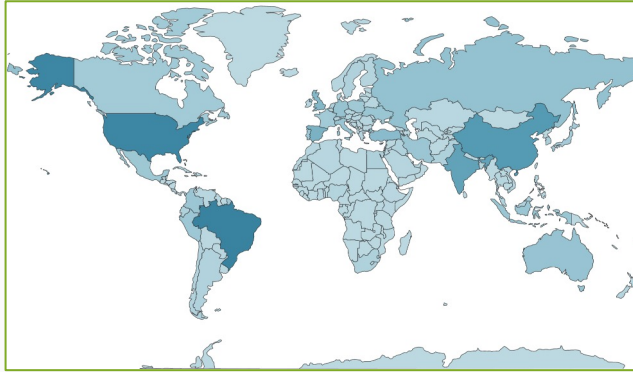
CNI Spring 2023 Membership Meeting

iD

A Few ORCID Facts

- Independent not-for-profit open to participation by all

- Registry launched in 2012

- Sustained by fees from our member organizations

- Guided by our [values and founding principles](#)

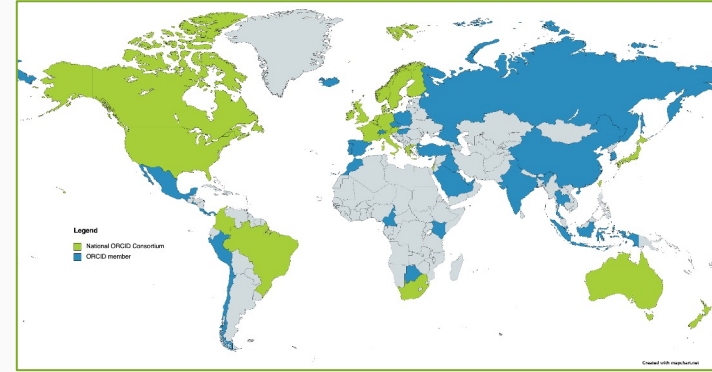- Community-governed by a Board of Directors representative of our membership

We have broad adoption around the world

Users in 250 countries
(That's every country on the planet apart from Niue, Norfolk Island, and Saint Pierre and Miquelon)

Yearly Active Researchers
9.34M

**Member organizations
in 57 countries**

Organizational Members	Active Integrated Member Systems
1,337	**4,702**

ORCID, which stands for Open Researcher and Contributor IDentifier, provides three main services

1. The ORCID iD: a unique, persistent identifier free of charge to researchers

1. An ORCID record/digital cv connected to the ORCID iD, that can include employment, education and research output metadata

1. A set of Application Programming Interfaces (APIs), as well as the services and support of communities of practice that enable interoperability between an ORCID record and member organizations

Information on ORCID records can help

Researchers can add:

- Affiliations
- Professional activities
- Funding information
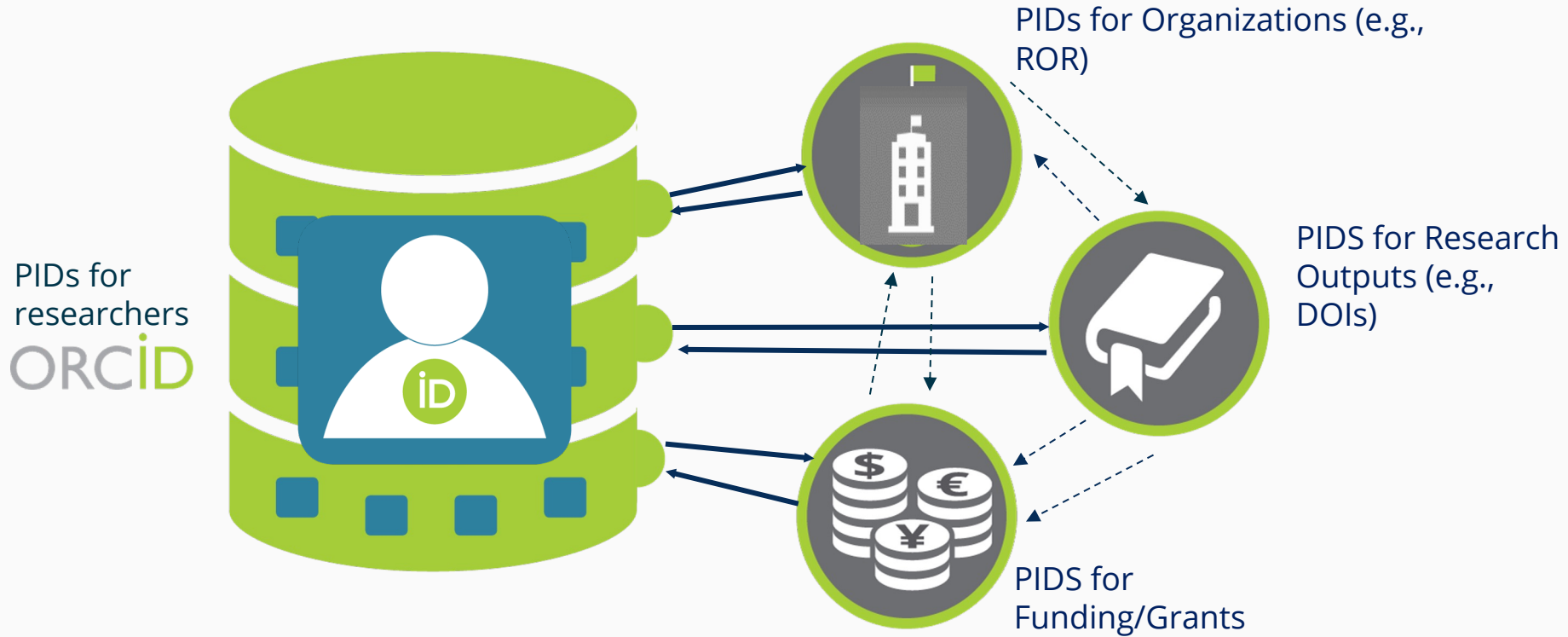- Publications
- Other outputs
- Website URLs

In addition, ORCID Member organizations can add:

- Peer Review
- Research Resources

ORCID associates researchers with institutions and research outputs through links to other PIDS

PIDs for Organizations (e.g., ROR)

PIDS for Research Outputs (e.g., DOIs)

PIDs for researchers

PIDS for Funding/Grants

ORCID Services are from PIDs Implementations, too

- ORCID work with various PID providers to develop ORCID services! For instance,
  - Auto(matic) updates
  - Add works via identifiers
  - Search and Link wizards

Auto-update shows the Power of PIDs

Enable time-savings for researchers, preserve metadata quality, and support transparency and trust in research information

Researcher
- Connects ORCID iD to manuscript / dataset
- Connects ORCID iD to DataCite ,JaLC profile, enables auto-update

Publisher / Data Centre
Embeds ORCID iDs in metadata when manuscript/datas et is accepted, noting if iD is authenticated
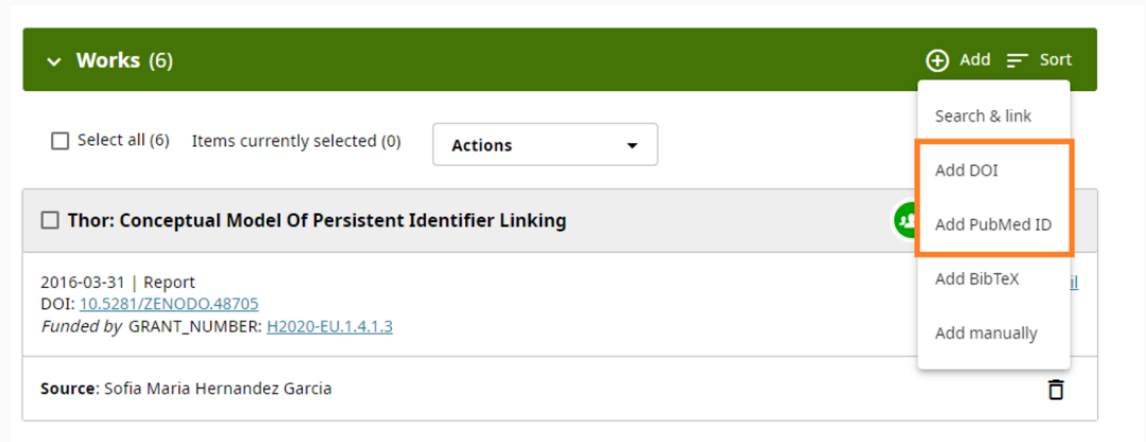
Crossref / DataCite
Checks metadata for authenticated ORCID iDs when assigning DOIs to new works

iD
Receives new work info from Crossref/DataCite,,JaLC. Korea DOI Center sends to users' ORCID records

Adding works using DOIs

- Adding works using DOIs - researchers can add any type of research output through its DOI (Most DOI RAs support this)

*For organizations that add information to the ORCID Registry, please follow our workflow

Search and link wizards

- Search and link wizards – Researchers can use this service to claim their research outputs

Organizational Services are from PID Implementations

- ORCID members organizations work with ORCID (and other PID providers) to enhance their services through integrating with ORCID!

During 2022, we had 4,570 Active Integrations—external systems that are integrated with ORCID that at least one researcher has either connected to or signed in using their ORCID ID in the last 365 days. This is an increase of 731 integrations, or 19% in 2022.

2022, 4570
YEARLY ACTIVE INTEGRATIONS

ORCID member organizations add validated information

When an ORCID member updates an ORCID record, the source (provenance) of that update is captured for re-use:

- Research organizations add affiliations

- Publishers add outputs and reviews

- Funders add funding items

✓ These provide **'trust markers'** that can be used to help in decision making.

University of Oxford: Oxford, Oxfordshire, GB

(Said Business School)
Employment

Source: ORCID Integration at the University of Oxford

⌄ Review activity for **British journal of Cancer** (1)

Journal, British journal of Cancer
ISSN: 1532-1827

| **Review date:** 2020-11-16 | **Type:** Review | **Role:** Reviewer |

Source: Nature Publishing Group

Organizational Services are from PID Implementations

- And, **ORCID members can request their identifiers to be supported by ORCID.** For instance
    - **cstr**: Science and technology resource identification
        https://www.cstr.cn/
    - **empiar:** Electron Microscopy Public Image Archive
    https://www.ebi.ac.uk/empiar/

    - **ppr**: Europe PMC Preprint Identifier
    https://europepmc.org/article/PPR/

- See our list of supported identifiers

To integrate with ORCID, check the CSP program!

- ORCID Certified Service Providers provide products and services that meet the ORCID best practices for our members to easily integrate with ORCID.

- The ORCID CSP program allows service providers from across the scholarly ecosystem to partner with us, to demonstrate that their integrations deliver the functionality that their stakeholders expect and desire.

- Organizations who use the certified platforms can just "turn on" the ORCID built-in functions and to adopt ORCID seamlessly. For both researchers and organizations, make ORCID a joy to use,

- See the ORCID Certified Service Providers List

Collaboration in the scholarly ecosystem via PIDs!

Thank you!

Find out more at https://orcid.org

Register at https://orcid.org/register

Email - e.cheng@orcid.org

Skype - j493520@hotmail.com

Twitter @ChihEstelle

Resources

- ORCID Use Case https://info.orcid.org/category/use-cases/
- ORCID on-demand https://info.orcid.org/orcid-on-demand/
- ORCID events https://info.orcid.org/events/
- ORCID Resources https://info.orcid.org/resources/
- ORCID membership https://info.orcid.org/membership/
- ORCID member directory https://orcid.org/members
- ORCID Blog https://info.orcid.org/category/blog/
- ORCID Statistics https://info.orcid.org/orcid-statistics/
- ORCID workflows https://info.orcid.org/documentation/workflows/

Discussion and Feedback

The promise of PIDs — the PID optimized research cycle
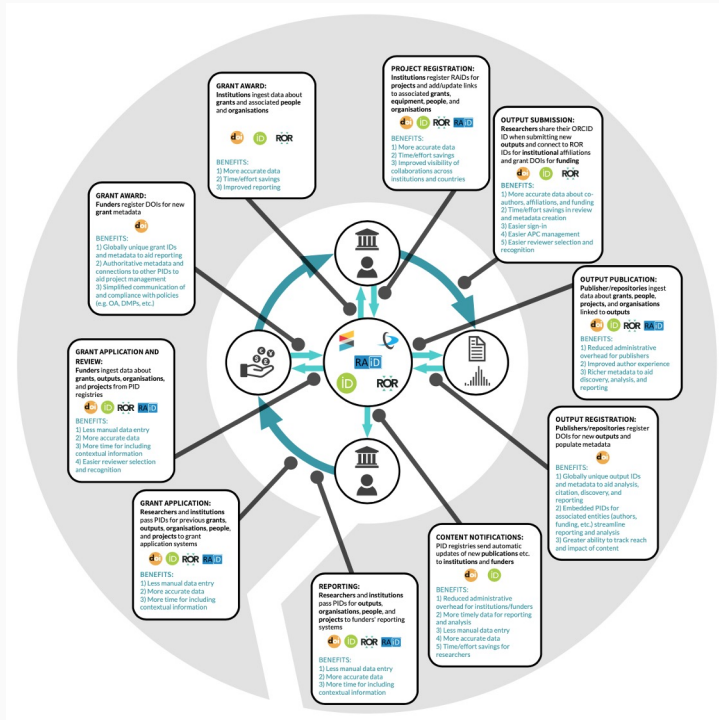
It's estimated that ubiquitous use of priority PIDs to provide automation and remove the need to re-key data could save the UK higher education sector £45 million over a five-year period, and Australia A$24m dollars a year.