



# 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 “**

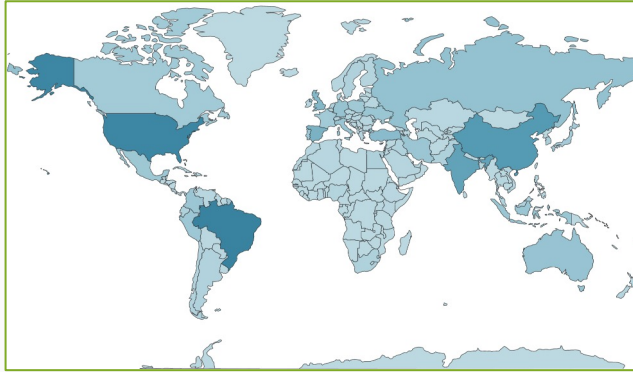
CNI Spring 2023 Membership Meeting

# 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



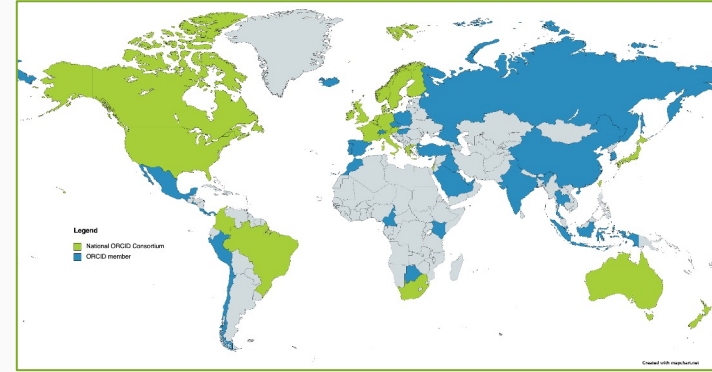
# We have broad adoption around the world



**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

**1,337**

Active Integrated  
Member Systems

**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

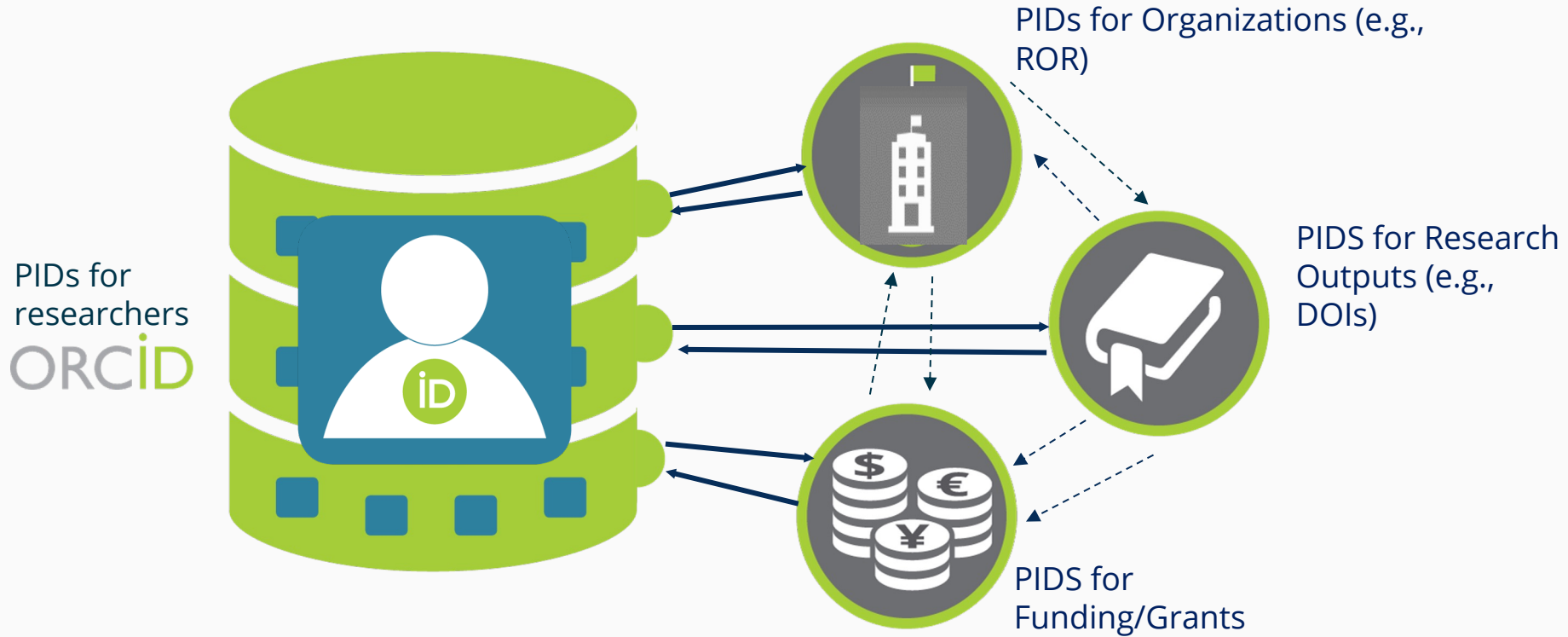
## In addition, ORCID Member organizations can add:

- Peer Review
- Research Resources

The screenshot shows an ORCID iD profile for Sofia Maria Hernandez Garcia. The profile includes the following sections:

- Profile Information:** Published name: Sofia Maria Hernandez Garcia. Name: Sofia Garcia. Also known as: S. M. Garcia, Sofia Maria Garcia.
- Biography:** Sofia Maria Hernandez Garcia is used for testing and demonstrating ORCID records.
- Activities:** A list of activity categories with expandable sections:
  - Employment (2)
  - Education and qualifications (4)
  - Invited positions and distinctions (3)
  - Membership and service (2)
  - Funding (1)
  - Research resources (2)
  - Works (7)
  - Peer review (2)
- Left Sidebar:** Contains the ORCID iD (https://orcid.org/0000-0001-5727-2427), Emails (s.garcia@orcid.org), Websites & social links (Faculty profile webpage), Other IDs (Profile system identifier: A-123456, ResearcherID: L-8716-2018, eScientist: 0000-0001-5727-2427), and Countries (United States).

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



# 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



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

Embeds ORCID iDs in metadata when manuscript/dataset is accepted, noting if iD is authenticated

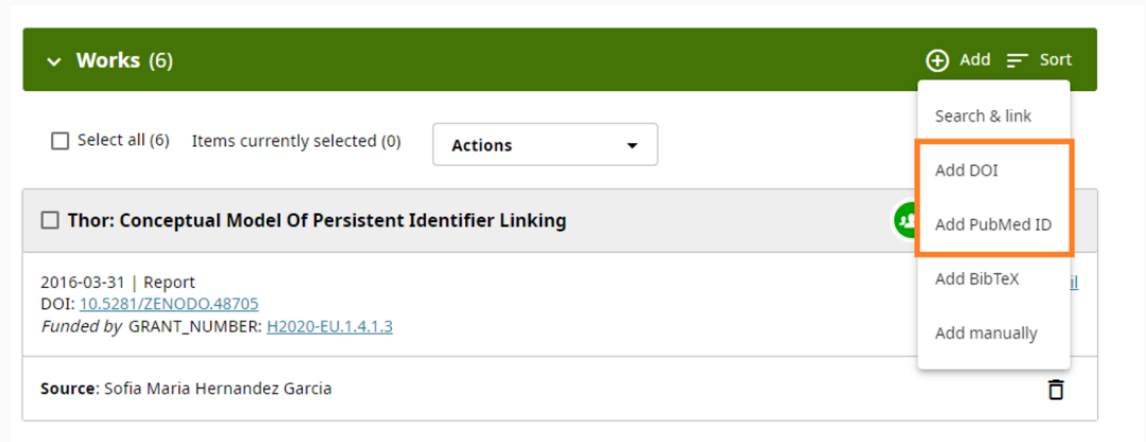
Checks metadata for authenticated ORCID iDs when assigning DOIs to new works

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

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

# Adding works using DOIs

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



The screenshot displays a web interface for managing research works. At the top, a green header bar contains a dropdown arrow, the text 'Works (6)', and buttons for '+ Add' and 'Sort'. Below the header, there is a selection area with a checkbox for 'Select all (6)', the text 'Items currently selected (0)', and an 'Actions' dropdown menu. The main content area shows a list of works. The first work is 'Thor: Conceptual Model Of Persistent Identifier Linking', which is highlighted in grey. To its right is a green status icon. Below the title, the work details are shown: '2016-03-31 | Report', 'DOI: [10.5281/ZENODO.48705](https://doi.org/10.5281/ZENODO.48705)', and 'Funded by GRANT\_NUMBER: [H2020-EU.1.4.1.3](#)'. At the bottom of the entry, the source is listed as 'Source: Sofia Maria Hernandez Garcia'. A context menu is open over the 'Add DOI' option, which is highlighted with an orange border. The menu includes options: 'Search & link', 'Add DOI', 'Add PubMed ID', 'Add BibTeX', and 'Add manually'. A trash icon is visible at the bottom right of the work entry.

*\*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

Works (6) Add Sort

Select all (6) Items currently selected (0) Actions

Search & link

Add DOI

Add PubMed ID

Thor: Conceptual Model Of Persistent Identifier Linking

ORCID Authorize access

You are currently signed in as:

**Chieh-Chih Estelle Cheng**  
<https://orcid.org/0000-0002-3207-0527>  
Sign out

BASE - Bielefeld Academic Search Engine

has asked for the following access to your ORCID record:

Add/update your research activities (works, affiliations, etc)

Read your information with visibility set to Trusted Organizations

Authorize access

Deny access

Experimental Performance Study of Titanium Dioxide Nano Fluid as a Coolant in Solar Photovoltaic / Thermal System

中國機械工程學刊  
2022 | Journal article  
OTHER-ID: [AL:02579731-202204-202205050008-202205050008-165-179](#)  
CONTRIBUTORS: Geetha Ramadass; M.M. Vijayalakshmi; E.Natarajan

Source: Chieh-Chih Estelle Cheng via Airiti

# 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!

Clarivate  
Web of Science™

Japan Link Center

doi 한국 DOI 센터  
Korea DOI Center

airiti DOI

DataCite  
FIND, ACCESS, AND REUSE DATA



Scopus



doi

ROR

RAiD

isni



# Thank you!



Find out more at <https://orcid.org>

Register at <https://orcid.org/register>

Email - [e.cheng@orcid.org](mailto:e.cheng@orcid.org)

Skype - [j493520@hotmail.com](mailto:j493520@hotmail.com)

Twitter @ChihEstelle

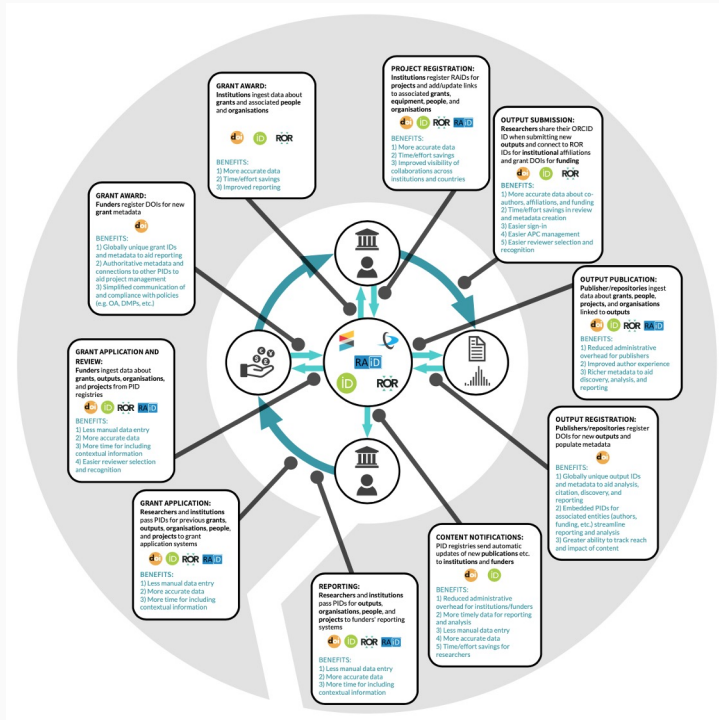
# Resources

- 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.