ORCID Institutional Use Cases for Researchers and Research Organizations

A Joint session with UNNC
2022.10.25

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We'll briefly cover a few things:

- Re/introduction to ORCID

- ORCID in Practices

  - Use Cases in Research Workflow

- Discussion and feedback

The ability to disambiguate researchers is critical for a trustworthy scholarly record

Supporting researchers, organizations and sharing research outputs are key parts in the field of research

Re/introduction to ORCID

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 elected by our members

ORCID's Mission

ORCID's mission is to **enable transparent** and **trustworthy connections** between **researchers**, their **contributions**, and their **affiliations** by providing a **unique, persistent identifier** for **individuals** to use as they engage in **research, scholarship, and innovation activities**.

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**

2. Through a set of Application Programming Interfaces (APIs) adopted by organizations, researchers share their iD with organizations during regular research workflows and organizations can exchange research information with interoperability

3. A place to store and share the resulting connections between iDs and research activities and affiliations

ORCID: PIDs for researchers

- **Persistent Identifier**:
  http://orcid.org./0000-0002-2771-9344
- Changes in:
  - Name?
  - Career?
  - Location?
  - Discipline?
- Your **ORCID iD** stays the same! (It's persistent)

ORCID: PIDs for researchers

- ***and* the associated record** (sometimes called a profile) that stores automatic links to all your research, and links all your research with you.

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ORCID Members (Organizations) can use ORCID's API to invite researchers to share ORCID iDs via Oauth authentication.

ORCID Members can collect information from ORCID and to connect research activities to researchers' ORCID records.

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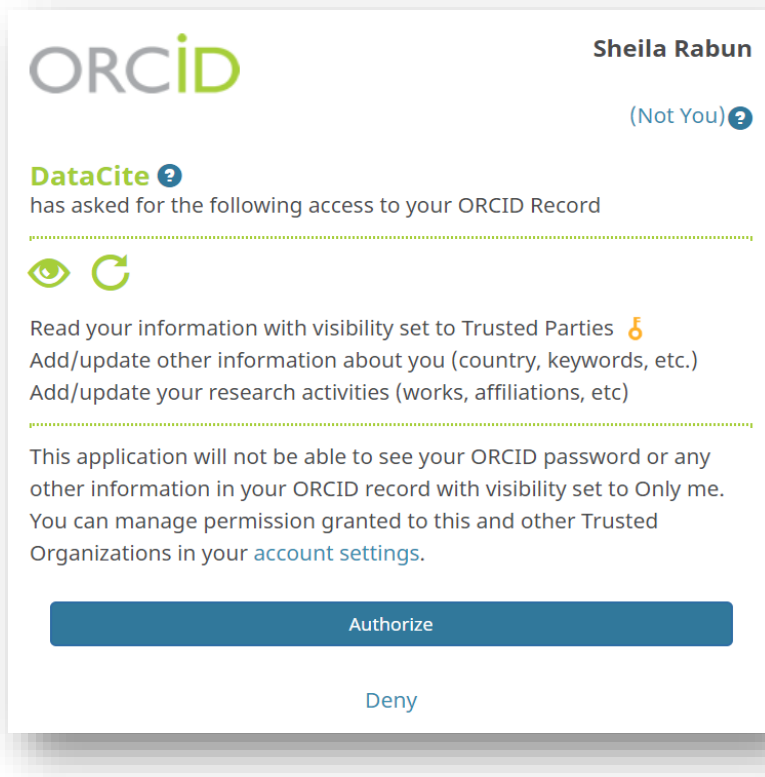
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The ORCID provenance model makes it clear which systems added what

- **Employment**

The ORCID provenance model makes it clear which systems added what

- **Education**

Education and qualifications (3)   Sort

University of Bristol: Bristol, GB

Education   Show more detail

Source: University of Bristol - PURE

The ORCID provenance model makes it clear which systems added what

- **Works**

Works (2)   Sort

A Methodology for the Design of Application-Specific Cyber-Physical Social Sensing Co-Simulators

Sensors   Show more detail
2017-09 | Journal article
DOI: 10.3390/s17102177

Source: Multidisciplinary Digital Publishing Institute

The ORCID provenance model makes it clear which systems added what

- **Peer Review for Works**
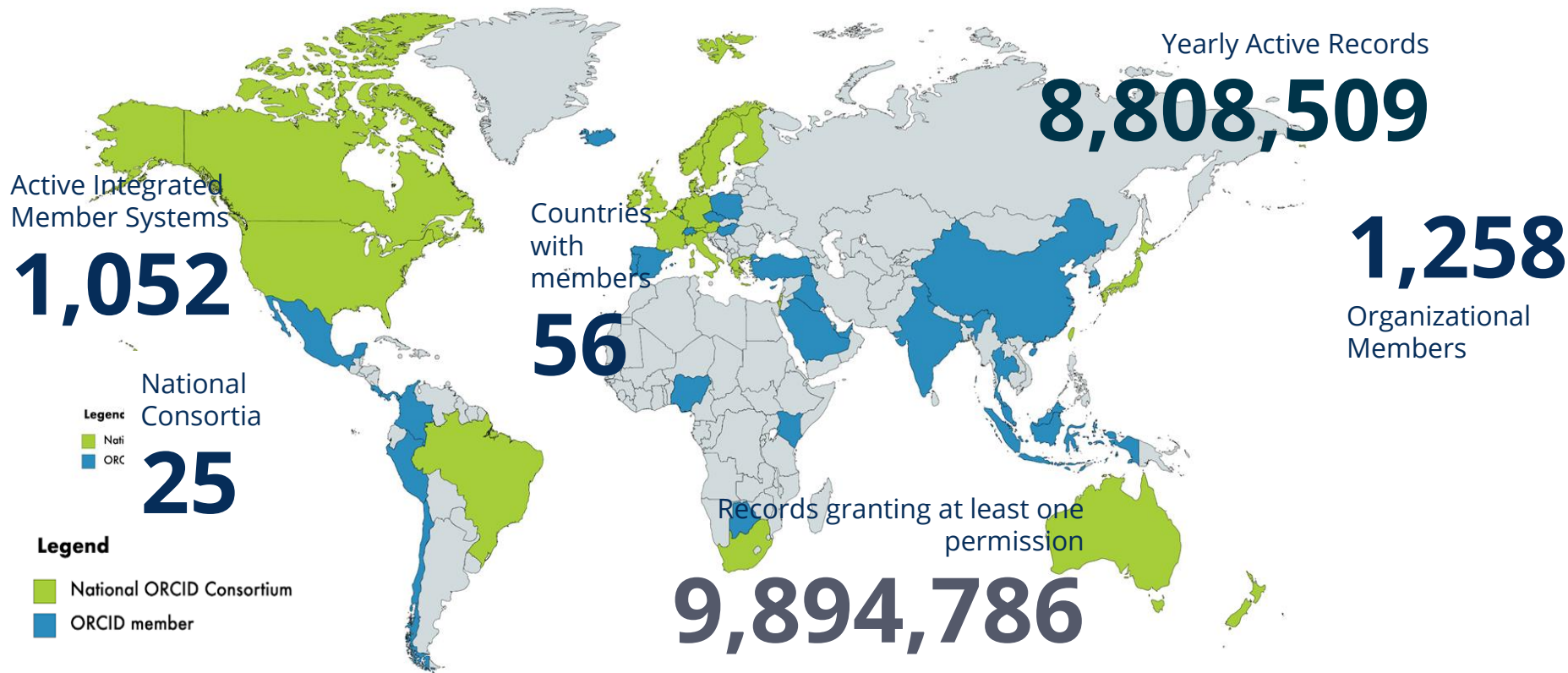
Open PIDs enable an infrastructure to connect researchers, institutions, and research outputs

PIDs for Organizations

PIDs for researchers

PIDS for Research Outputs

PIDS for Funding/Grants

More at ORCID: Keeping Up with FAIR Momentum
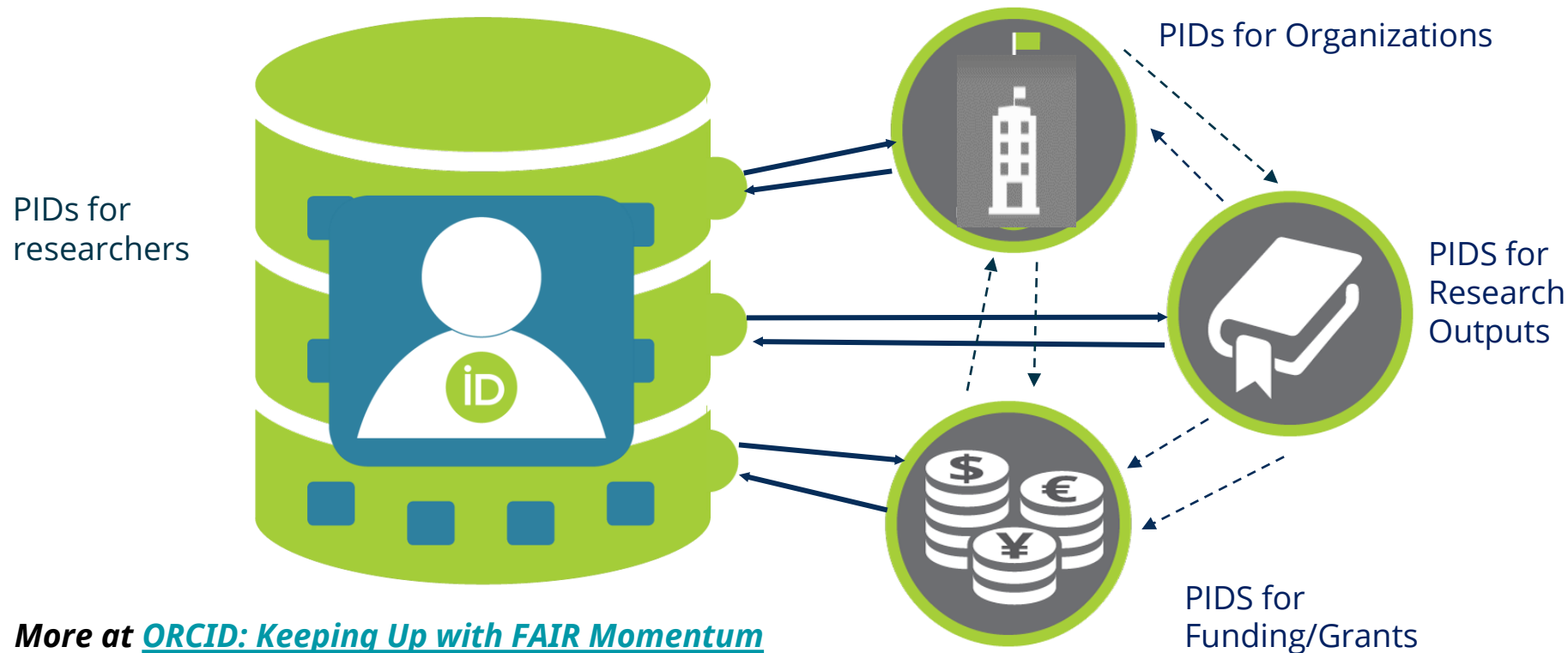
We have reached a critical mass of global participation

Yearly Active Records
8,808,509

Active Integrated Member Systems
1,052

Countries with members
56

1,258
Organizational Members

National Consortia
25

Records granting at least one permission
9,894,786

Legend
- National ORCID Consortium
- ORCID member

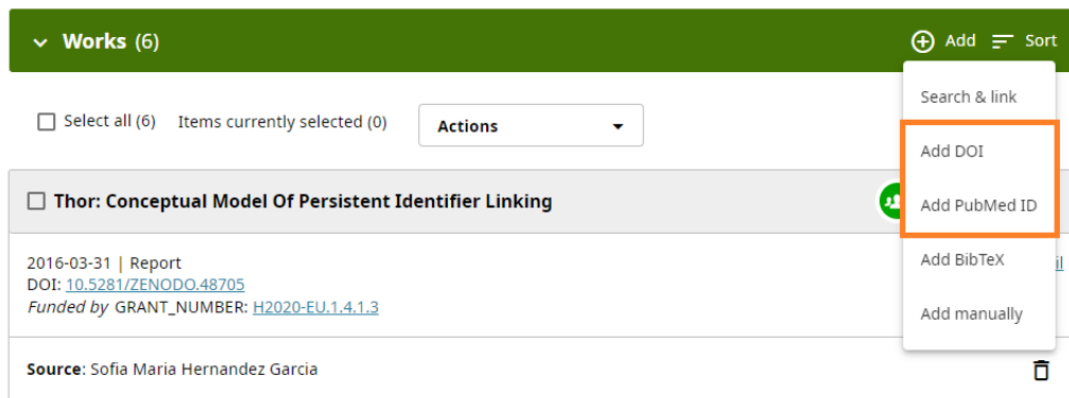# ORCID in Practices: Use Cases for Researchers

Optimize your ORCID record

- Ensure your ORCID is connected so you can easily share your data between your record and an increasing number of funders, publishers, data repositories, and other research workflows.

- The more well-populated ORCID records there are, the more value that both researchers and the entire community can gain from participating in ORCID.
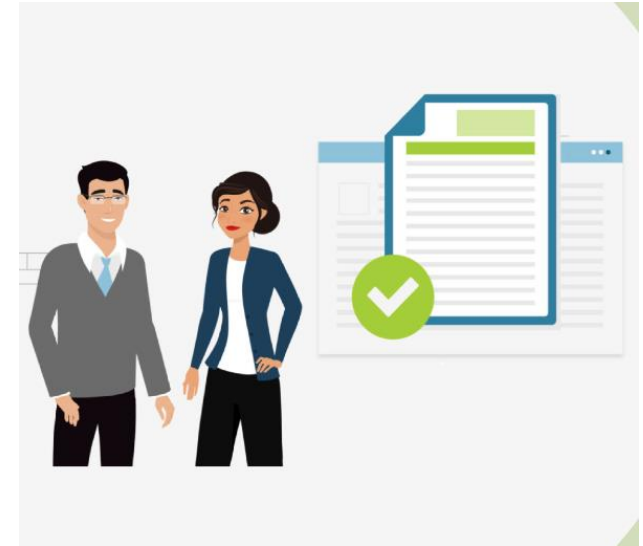
Use Case - Adding works using DOIs

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


For organizations that add information to the ORCID Registry, please follow our workflow
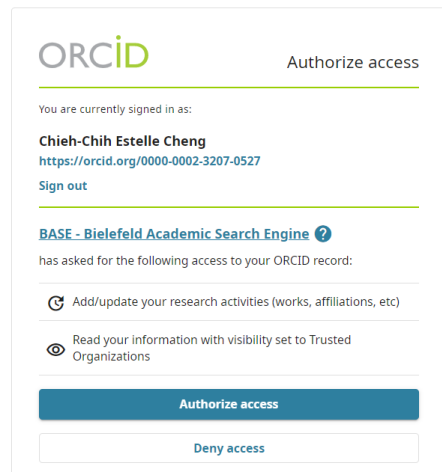
Use Cases - Search and link wizards

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

  - ORCID member organizations have build ORCID integrations that help researchers discover and connect their activities from within their ORCID records.

  - A list of wizards is displayed upon login in the relevant section of a researcher's ORCID record (currently, Funding, Works, and most recently, Peer Review).

  - Four DOI RAs Airiti, Crossref, DataCite, and the Japan Link Center support this feature.
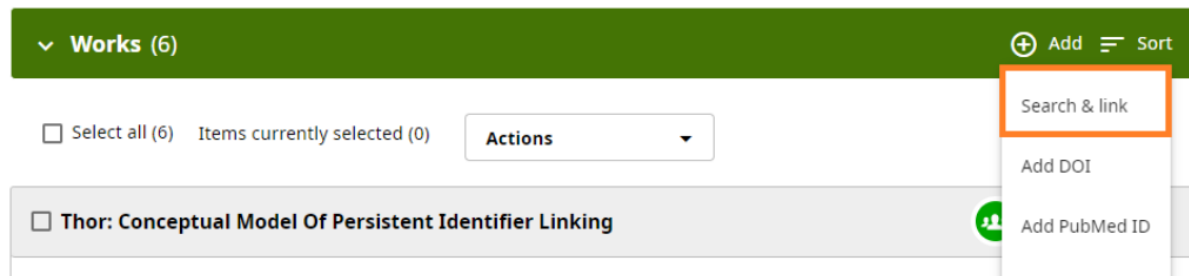
Use Cases - Search and link wizards

- Researchers will be prompted to grant access to their ORCID record then taken to the member's website to select the works to be added
- Information added with a Search and Link Wizard will display the relevant organization as the source of the item and you as the source of the connection between that item and your record. This displays as "[researcher name] via [wizard name]."

Use Case - Auto-updates

- Auto-updates

  - When researchers share their iDs and grant permissions to a DOI Registration Agency during the manuscript submission or data deposit workflow, the RA can add research output information to their ORCID records automatically

  - Crossref, DataCite, and the Japan Link Center support this feature.

  - KISTI: developing

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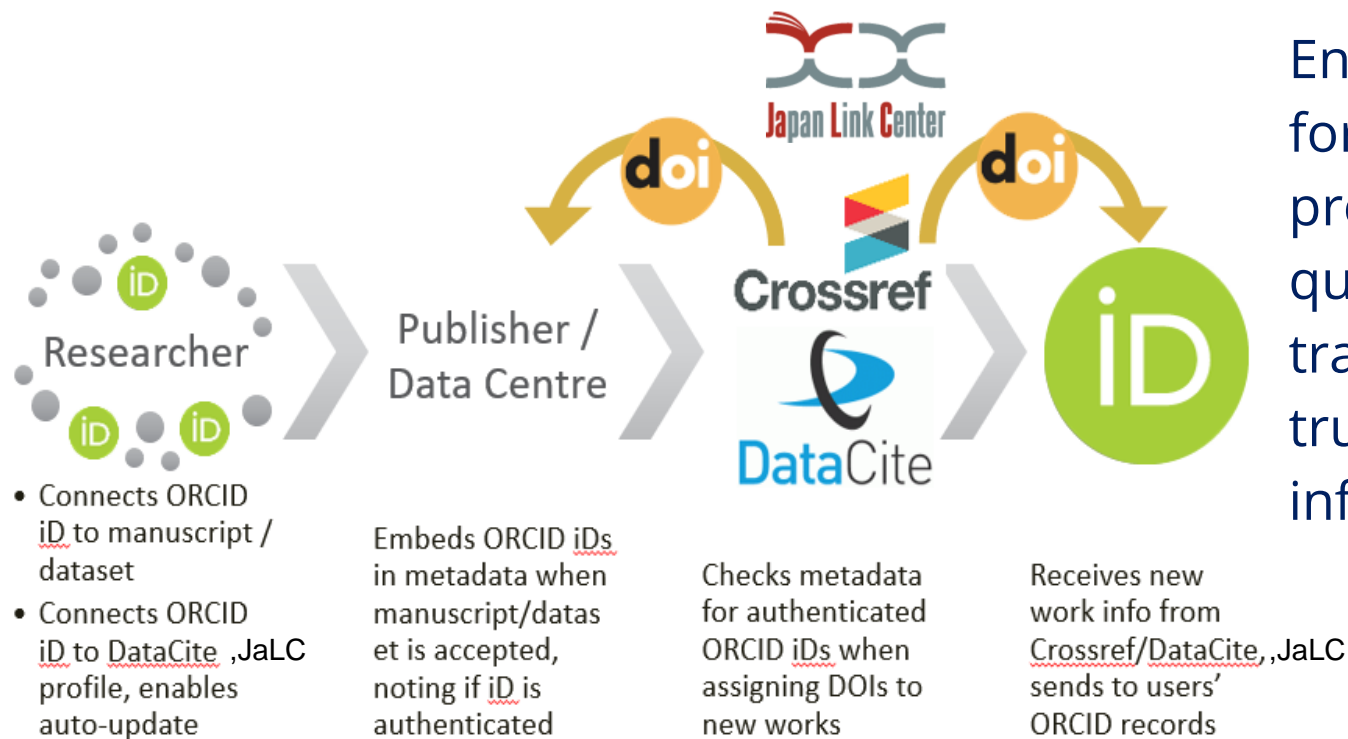
Enable time-savings for researchers, preserve metadata quality, and support transparency and trust in research information

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

Japan Link Center
Crossref
DataCite
Checks metadata for authenticated ORCID iDs when assigning DOIs to new works

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

ORCID in Practices: Use Cases for Research Organizations

Member organizations can increase the trustworthiness of ORCID records by writing validated data to researcher's records (with their permission)

Employment (3)

NYU School of Medicine: New York, NY, US

2009-07-01 to present | Clinical Assistant Professor of Dermatology (Dermatology)
Employment

Source: New York University

Education and qualifications (1)

University of Georgia: Athens, GA, US

2021-08 to present | Graduate Student
Education

Source: University of Georgia - Affiliation Manager *via* ORCID Member Portal

Provenance data shows that these items were added by ORCID member organizations

We call these validated assertions
"Trust Markers"

Organizations can use these "trust markers" when evaluating users specific to their needs

- Trust Markers include:

  - **Affiliations** added by **research institutions**
  - **Works** (e.g. articles) added by **publishers** and **repositories**
  - **Funding awards** add by **funders**
  - Links to **other person IDs**

- The provenance of each assertion is indicated in the ORCID UI and API responses

- Read more about this in our latest blog post: https://info.orcid.org/interpreting-the-trustworthiness-of-an-orcid-record/

Adding different Person Identifiers for your researchers

- Person identifiers are other identifiers that systems use to identify you, such as ResearcherID or Scopus Author ID.
- OROID works with various person identifiers.

- At ORCID, our mission is to focus on providing an identifier for individuals to use with their name as they engage in research, scholarship, and innovation activities.

- At ORCID, person identifiers can only be added by trusted organizations.

Websites & social links >

Macquarie University profile page

Other IDs >

ResearcherID: N-4077-2017

Scopus Author ID: 25959875100

ResearcherID: N-4077-2017

Scopus Author ID: 25959875100

Connecting Institutaionl Research Profiles

- **Research Profiles**

To Recap

Transparent and trustworthy connections benefit researchers as well as organizations

- **Increase the value to researchers** by helping them save time, reduce admin burden and achieve greater recognition

- **Improve research integrity** through use of validated data during any research worflow

- Help **lift the trustworthiness of Open Research** for everyone by contributing validated research information to a trusted open data source

Publisher Systems

Discovery and Profile Systems

Institutional Systems

Funder Systems

Discussion and
Feedback

iD
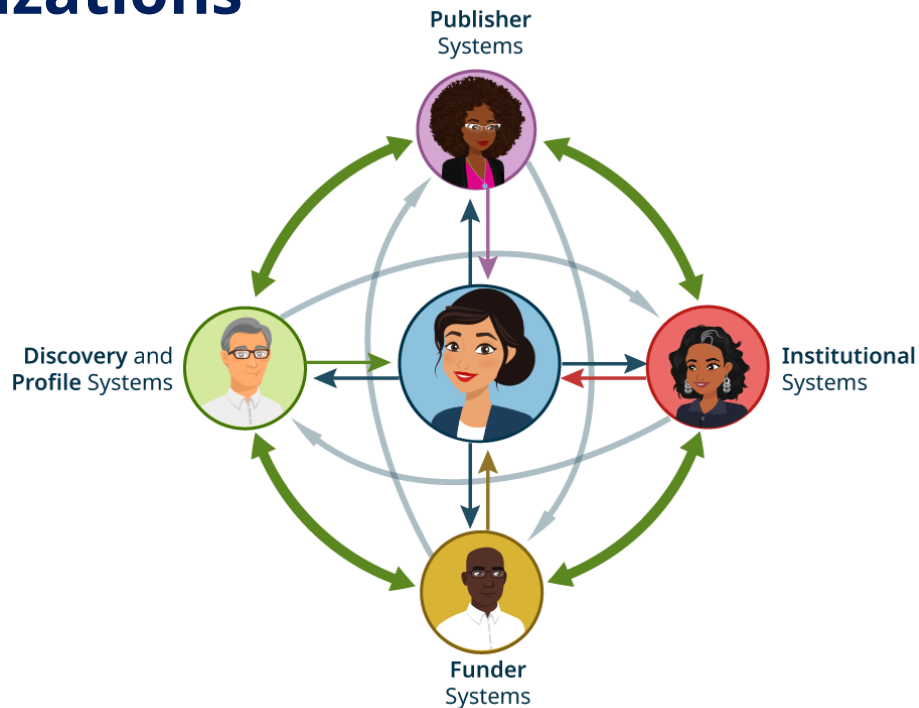
How to find out more

Reach out to us for additional information:

1. **Contact Estelle Cheng** to learn more **about how engage with ORCID** (if you haven't) or **how to deepen your integration (**e.cheng@orcid.org**)**

2. **Further information can be found on ORCID's website: https://info.orcid.org/resources/**

3. **More detailed information about our workflows: https://info.orcid.org/documentation/workflows/**

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

More Resources

All about ORCID

https://orcid.org/about

ORCID Membership

https://info.orcid.org/membership/

ORCID for Research Organizations

https://info.orcid.org/orcid-for-research-organizations/

Support Center: Start Connecting with ORCID API

https://info.orcid.org/documentation/integration-guide/

ORCID News and Events

https://info.orcid.org/

Appendix
Additional Information

ORCID's Values

ORCID is strongly supported by each of its major stakeholder groups

User NPS

+49

Member NPS

+41

Publishers
+100

Funders
+88

Universities
+33

NPS, or Net Promoter Score is a standard metric used to measure audience loyalty and satisfaction.

NPS scores range between -100 and +100. Scores above 0 are considered "good", those above +20 "favourable" and those above +50 "excellent"

Sources: ORCID Q1 2021 User Value Survey; ORCID Member Value Survey, Feb 2021

Our main stakeholder groups have similar goals for ORCID membership

Support Open Science/Research

Reduce Administrative Burden

Assess and Report on Research Impact

Improve Visibility of Researchers

Improve Interoperability

Identify/Disambiguate Researchers

Improve Data Quality

Meet or Set National or Funder Policy

ORCID 2022 - 2025 Strategic Plan

Increasing Value to Members

We will be more **proactive in delivering value** to member research institutions, rather than **simply enabling and expecting** them to integrate with our API.

We will equip our members with **more compelling ways to encourage their researchers** to use ORCID.

We will work with **influential organizations** such as **Funders and Government Agencies** to encourage the use of ORCID.

Increasing Value to Researchers

We will **reduce the effort** that researchers need to invest in **completing and updating** their ORCID records with activities such as improving workflows and guiding users to the most appropriate services to connect with.

We will **incentivize researcher participation** in ORCID with initiatives like encouraging member organizations to update and re-use ORCID data save researchers time.

Increasing Global Participation

To encourage membership in **low and lower-middle income countries**, we will move towards a fee structure based on **equity**, adjusted according to regional affordability, while also supporting the development of local expertise and communities of practice.

We will develop **new partnership models** with national or regional organizations to **spearhead organizational membership growth** in their locations.

Upholding Trust and Integrity

We will take a more proactive approach to improving **data quality**.

In order to **fulfill expectations of the reliability of our infrastructure**, we will improve resiliency through means such as moving our hosting to the cloud and implementing a high-availability architecture.

To ensure ORCID's **long-term sustainability, we will bolster ORCID's reserves**.