ORCID Institutional Use Cases for Researchers and Research Organizations

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Chieh-chih Estelle Cheng 鄭潔之
Engagement Manager Global Direct
https://orcid.org/0000-0002-3207-0527
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](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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The ORCID provenance model makes it clear which systems added what

- Employment
The ORCID provenance model makes it clear which systems added what Education
The ORCID provenance model makes it clear which systems added what.
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- Peer Review for Works

**Review activity for PLoS biology.**

Journal, PLOS Biology (eISSN-1545-7885; ISSN-1544-9173) is an open-access, peer-reviewed general biology journal published by PLOS, a nonprofit organization of scientists and physicians committed to making the world’s scientific and medical literature a public resource. New articles are published online weekly; issues are published monthly.

ISSN: 1545-7885

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Open PIDs enable an infrastructure to connect researchers, institutions, and research outputs

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

Yearly Active Records: 8,808,509
Countries with members: 56
Organizational Members: 1,258
Active Integrated Member Systems: 1,052
National Consortia: 25

Records granting at least one permission: 9,894,786

Legend:
- National ORCID Consortium
- ORCID member

Map showing distribution of participation across countries.
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.
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)

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.
Connecting Institutional Research Profiles

- Research Profiles
  - Dr Valeria Oliva
    - Honorary Research Fellow, School of Physiology, Pharmacology & Neuroscience
    - https://orcid.org/0000-0001-7849-191X
    - B58 IBD

Fingerprint

Dive into the research topics where Valeria Oliva is active. These topic labels come from the works of this person. Together form a unique fingerprint.

- Analgesia Medicine & Life Sciences
- Psychological Extinction Medicine & Life Sciences
- Periaqueductal Gray Medicine & Life Sciences

University of Bristol profile
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 workflow.

- Help **lift the trustworthiness of Open Research** for everyone by contributing validated research information to a trusted open data source.
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](mailto:e.cheng@orcid.org))

2. **Further information can be found on ORCID’s website:** [https://info.orcid.org/resources/](https://info.orcid.org/resources/)

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

- Open
- Inclusive
- Trusted

- Collaborative
- Transparent Persistent
- Diverse Global
ORCID is strongly supported by each of its major stakeholder groups

**User NPS**

- Publishers: +100
- Funders: +88
- Universities: +33

**Member NPS**

- +41

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

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”
Our main stakeholder groups have similar goals for ORCID membership

Source ORCID Q1 2021 Member Value Research; Based on unprompted top-of-mind responses from member value interviews
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 to 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.