ORCID: Enter Once | Reuse Often

ORCID - BRASIL CONSORTIUM LAUNCH, BRASILIA | 22 MAY 2018

Laurel L. Haak
Executive Director
l.haak@orcid.org
https://orcid.org/0000-0001-5109-3700
@HaakYak
INTERLEAVED PROBLEMS WITH RESEARCH INFORMATION

• **Duplicate data and wasted effort** – Researchers have to curate and combine data that is scattered across public and private sources and must do this multiple times in multiple systems.

• **Poor tracking and measurement** – Universities and funders can’t track their impacts on researcher careers.

• **Inefficient research networks** – Researchers and associated groups do not use modern technology for networking and hiring (e.g., finding mentors, collaborators, employees, reviewers, etc.).

• **Bad incentives** – Current measures of research productivity do not adequately incentivize openness, rigor, and impact. Fragmentation of information and reporting make new measures difficult to implement.
The ability to uniquely identify contributors is a deceptively simple concept which, if realised, could enable forms of real-time understanding of scientific research that up to now have been extremely costly (if not impossible).

--Jonathan Kram, Wellcome Trust
ORCID provides a persistent digital identifier that distinguishes researchers from each other on a global scale.
• Available in Portuguese and 11 other languages
• Registration and use is free
• Connect all of your names – and the research you have published using those names
• Connect all of your researcher identifiers

https://orcid.org/register
THE ORCID COMMUNITY

• Of our 878 members, 78% are research institutions
• Of 500+ information system connections, 61% are built by research institutions

Target Workflows
• Federated identity management
• Personnel management
• Grant management
• Publication management
• Research reporting and evaluation

https://orcid.org/statistics
Connecting with ORCID

Goal: Collecting an ORCID iD and sharing information with a users ORCID record.
EACH SECTOR HAS A PRIMARY ACTION AND BENEFIT
TARGET WORKFLOWS

- Federated identity management
- Personnel management
- Grant management
- Publication management
- Research reporting and evaluation

We engage with our community to build ORCID collection into these workflows
RELIEABLE CONNECTIONS

Connections are made with permission of the researcher and include:

• Name + ID of the source making the connection with the ORCID iD

• Name + ID of the item (grant, affiliation, publication, resource, peer review, etc.) being connected to the ORCID iD

• Name + ID of the member putting the information into the ORCID record
WHAT’S SO SPECIAL ABOUT SIGNING IN?

Why are researchers asked to sign in to their ORCID account to make a connection? Why can’t users just copy and paste their ORCID iD?
RESEARCHER CONTROL AND THE ORCID RECORD

The ORCID record lists information that the researcher has chosen to connect to their iD. The researcher owns the record, and decides how (or if) it is shared.

Researchers add their iD using an electronic “handshake”, as they interact with research systems, for example during manuscript submission, or during grant application.

The iD is embedded in the research information by the integrated system, creating a transparent and traceable connection between the information and the researcher.
THE ELECTRONIC HANDSHAKE

Authentication – the electronic handshake - is quick, easy, and accurate.

It all starts with sign in.
When I sign in to a record, you can be sure that I control that record.

You can ask for permission to:
● Get my iD
● Read my record
● Add to my record
● Update my record

When I sign in and authorize, the ORCID API pushes my iD to your system. You can also check my ORCID record for additional info, and monitor it for updates.
ORCID Roadmap
Working with our Board and community, we have created a plan for the next 3 years. Our roadmap is centered on core strategies, and each year we focus on a specific sector.

During 2018 our goal is to make ORCID record information richer and more secure, focusing on the funding community.
OUR CORE STRATEGIES

**Researcher:** Position researchers at the center of all that we do

**Infrastructure:** Invest in developing a robust information infrastructure

**Trusted Assertions:** Enable a wide range of iD-ID connections

**Strategic Relationships:** Develop sustainability through strategic relationships

https://orcid.org/about/what-is-orcid/mission#strategic-plan
2018: RESEARCHER

Researcher: Use ORCID to share information

- **Sharing information** - Establishing pathways for researchers to share affiliation, funding, and resource information when publishing
- **Collecting evidence** - Demonstrating benefit of implementing ORCID

https://orcid.org/about/what-is-orcid/mission/2018-project-roadmap
# AFFILIATIONS

New affiliation categories!

- Qualifications
- Invited positions and Distinctions
- Membership and Service

Available mid-year in ORCID Sandbox (API 3.0 rc1)

https://orcid.org/blog/2018/03/01/expanding-affiliations-orcid-update

<table>
<thead>
<tr>
<th>Type</th>
<th>Subtypes</th>
<th>Definition</th>
<th>Examples</th>
</tr>
</thead>
<tbody>
<tr>
<td>Employment</td>
<td></td>
<td>A formal employment affiliation with an organization - paid or unpaid</td>
<td>Formal positions including faculty, postgraduate researchers, internships,</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>society employee, other staff and contractors</td>
</tr>
<tr>
<td>Education and</td>
<td>Education</td>
<td>Participation in an academic higher education program. May be designated</td>
<td>Undergraduate, graduate, masters, doctorate</td>
</tr>
<tr>
<td>Qualifications</td>
<td></td>
<td>as in progress or unfinished</td>
<td></td>
</tr>
<tr>
<td>Invited Positions and</td>
<td>Invited</td>
<td>An invited non-employment affiliation. The individual may be based at</td>
<td>Honorary fellow, guest researcher, emeritus professor, visiting lecturer</td>
</tr>
<tr>
<td>Distinctions</td>
<td>Position</td>
<td>a different organization</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>This category includes formal acknowledgments of an individual’s academic</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>efforts through honorary titles and/or positions which require no specific</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>service</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>May be paid or unpaid</td>
<td></td>
</tr>
<tr>
<td>Distinction</td>
<td></td>
<td>This category is for honorary and other awards, distinctions, and prizes</td>
<td>Trophies, cash prizes, non-cash prizes, medals, honorary degrees</td>
</tr>
<tr>
<td></td>
<td></td>
<td>made by an organization in recognition of an individual’s academic or</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>other achievements</td>
<td></td>
</tr>
<tr>
<td>Membership and</td>
<td>Membership</td>
<td>Paid or gratis membership of a society or association (i.e. does not</td>
<td>Member of an association or society</td>
</tr>
<tr>
<td>Service</td>
<td></td>
<td>include honorary memberships and fellowships as defined under Invited</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Position and Distinctions</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Includes volunteer work such as society officer positions, agricultural</td>
<td>Standards body, expert panel, editorial board, study group, conference</td>
</tr>
<tr>
<td></td>
<td></td>
<td>extension work, other voluntary work</td>
<td>organizer, conference panel chair, committee work, project work, volunteer</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>society officer, elected board position</td>
</tr>
<tr>
<td>Resource Type</td>
<td>Definition</td>
<td>Examples</td>
<td></td>
</tr>
<tr>
<td>--------------</td>
<td>---------------------------------------------------------------------------</td>
<td>-------------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td><strong>Infrastructure</strong></td>
<td>A facility, building, or other physical space used to perform research.</td>
<td>Neutron spallation source, animal facility, data enclave, archaeological site, telescope array. ships, planes, farms, laboratories</td>
<td></td>
</tr>
<tr>
<td><strong>Collection</strong></td>
<td>An object or group of objects used for research purposes; can be tangible or digital.</td>
<td>Ocean mission, field campaign, collaborative data sets or resources, rare book collection; museum collection, biological specimen collection</td>
<td></td>
</tr>
<tr>
<td><strong>Equipment</strong></td>
<td>Hardware used for research purposes</td>
<td>Microscope, computers, glassware, samples, materials</td>
<td></td>
</tr>
<tr>
<td><strong>Service</strong></td>
<td>Services used for research purposes</td>
<td>Proteomics analysis, computing services, data analysis, logistical support, legal services, copyediting, expert or staff advisement</td>
<td></td>
</tr>
</tbody>
</table>
Sharing information - Establishing pathways for researchers to share funding and resource information

- New “Research Resources” section on ORCID record
- Working with funders and resources to capture iDs during application or registration process
- Working with publishers to capture information from author’s ORCID record in article submission process
Collecting evidence - Demonstrating benefit of ORCID

I love auto-update on ORCID! #orcid #autoupdateorcid

9:45 AM - 2 Apr 2018

https://orcid.org/blog/2018/03/15/collecting-evidence
Infrastructure: ORCID as a trusted neutral actor in sharing research information

- **ORBIT Project:** establish what information is essential for funding applications and post-award reporting, and demonstrate how funders can engage with researchers to use ORCID record information to populate funder forms

ORBIT funder working group includes 13 funding bodies from 11 countries, including CAPES, CNPq, Fapesp, CONCYTEC, JST, ARC, MBIE, NIH, Wellcome, NSERC.

https://orcid.org/organizations/funders/orbit
Trusted Assertions: ORCID as a hub for asserting and re-using information

- **ORCID policy and trust** - Clarifying policies and processes for assertions, organization identifiers, GDPR
- **Research affiliation hub** - Working with platform providers to standardize and certify ORCID integration

https://orcid.org/blog/2018/03/22/1q-update-policies-clarify-assertions-and-data-privacy
2018: RELATIONSHIPS

Strategic Relationships: Increase engagement with our global community

- Regional strategies - enhance our internal infrastructure for managing relationships with members and partners
- Long tail - analyze member models
- Friends of ORCID - build strategic relationships through [Partners program](https://orcid.org/about/what-is-orcid/mission/2018-project-roadmap)
BRAZIL IS A KEY ORCID PARTNER

• You can demonstrate the power of a funder-led approach on ORCID adoption
• You can demonstrate the value of open identifier infrastructure
• You can be a positive example in Brazil and around the world for coordinated action on open research