



# ORCID: Connecting research and researchers

Roundtable on Data and Publishing in the Social Sciences, 5 May 2017



Connecting Research  
and Researchers

ALAINNA THERESE WRIGLEY  
Senior ORCID Community Specialist (APAC)  
[community@orcid.org](mailto:community@orcid.org) | [orcid.org/0000-0002-6036-0903](https://orcid.org/0000-0002-6036-0903)

ORCID.org

## A NAME IS NOT ENOUGH

A researcher can have a common name, or a shared name in transliteration, or change their name, or have an uncommon spelling, or publish under multiple names...



| ORCID ID            | First name | Last name |
|---------------------|------------|-----------|
| 0000-0002-8898-4520 | Koichi     | Tanaka    |
| 0000-0001-9115-2015 | Koichi     | Tanaka    |
| 0000-0001-8666-6396 | Koichi     | Tanaka    |
| 0000-0002-3180-7881 | Koichi     | Tanaka    |



It's difficult to pinpoint someone's identity based on their name alone. Researchers may have multiple versions of their names, common names, their names may change during their life, and identifying features of their name may disappear when transliterated into another language.

(Left example: All four names become "Wang, Xiaoli" or simply "Wang, X" on an English-language citation.

Right example: Common names in any language can be difficult to distinguish.)



And that's why we exist. ORCID is an open, non-profit, non-proprietary, interdisciplinary, independent, community driven organization that is supported by organizational memberships.

The ORCID organization was established in 2010 by several organizations across the scholarly communication industry who were all independently trying to tackle this challenge of name ambiguity.

## ORCID PROVIDES

- ✓ Plumbing for research information
- ✓ Tools to build trust in digital information



Persistent digital identifiers to distinguish researchers from each other



Member-built integrations that connect researchers and their activities/affiliations

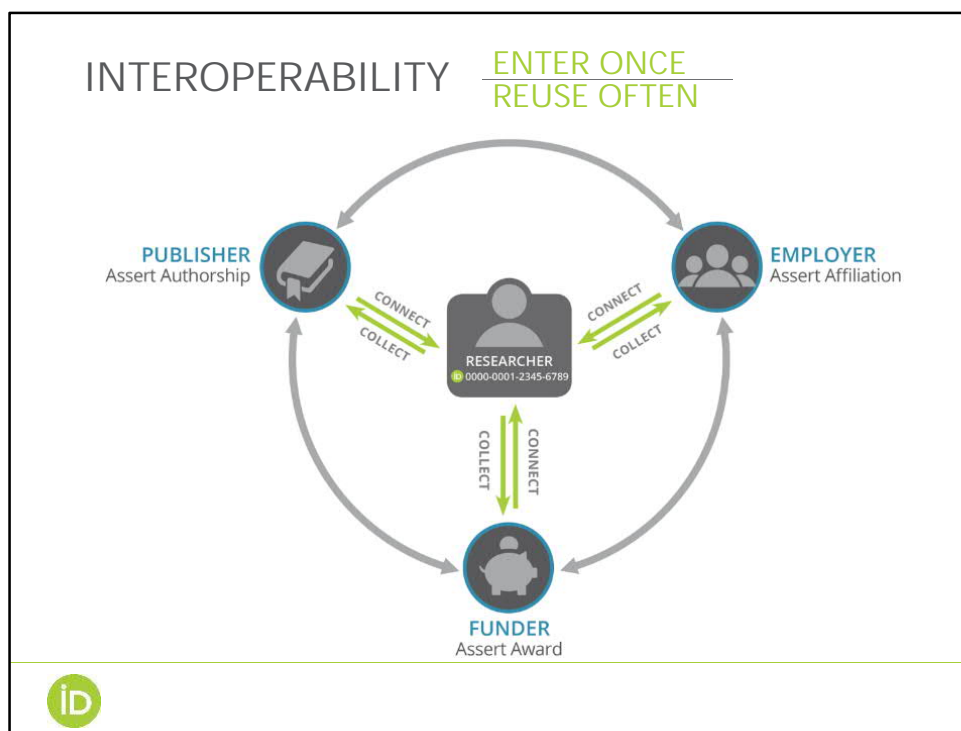


A hub for synchronizing machine-readable connections between identifiers for people, organizations, and research activities



We provide:

- \* An identifier for researchers: The 16-digit ORCID iD, expressed as an URI:  
[orcid.org/0000-0001-2345-6789](https://orcid.org/0000-0001-2345-6789)
- \* A registry: of ORCID identifiers
- \* A set of standard procedures for connecting researchers to their affiliations and activities: using identifiers
- \* A committed community building connectors
- \* An international-scale open research effort

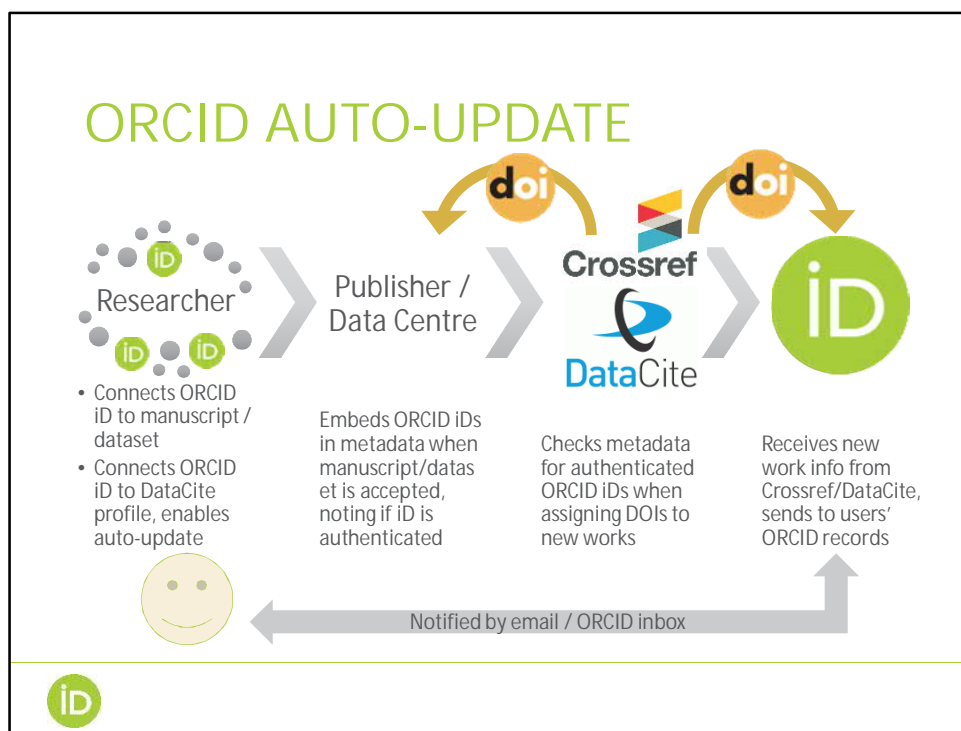


“Enter one, re-use often” – entering an ORCID iD by signing into your ORCID account and granting permissions – is our mantra.

Researchers should enter their ORCID iD once to the systems they connect to, and that iD can then be used throughout the research workflow. This infographic shows at a high level how, by integrating ORCID iDs into systems in all researcher workflows, we can together enable interoperability between different systems, helping make “Enter once, reuse often” a reality for researchers and their organizations.

Researchers can use their ORCID iD when:

- \* Completing a thesis or dissertation
- \* Sharing research via articles, datasets, and activities
- \* Receiving an award, certificate, or training qualification
- \* Presenting at a conference
- \* Applying for funding or using research facilities
- \* Reviewing and expert panels
- \* Joining a new community or organization



One example workflow is sharing research via articles, datasets, and activities. In 2015, we announced the ORCID auto-update process with Crossref and DataCite. This graphic illustrates the process:

1. The researcher connects their ORCID iD to the work submission via authentication (signing into their ORCID account and approving the connection),
2. The publisher or data centre embeds that ORCID iD into the work when it is accepted and notes that the ORCID iD has been authenticated;
3. Crossref and DataCite check the metadata for ORCID iDs where authenticated=true;
4. Crossref/DataCite send that work to ORCID to be posted on the researcher's ORCID record.

## AUTO-UPDATE IN ACTION: SUBMISSION

The screenshot displays the Editorial Manager interface for the Research Data Journal for the Humanities and Social Sciences. The main header includes navigation links: HOME, LOGIN, HELP, REGISTER, UPDATE MY INFORMATION, JOURNAL OVERVIEW, MAIN MENU, CONTACT US, SUBMIT A MANUSCRIPT, and INSTRUCTIONS FOR AUTHORS. A 'Not logged in' status is shown. The central area welcomes users to the Editorial Manager and provides a login form with fields for Username and Password. Below the login form, there are buttons for 'Author Login', 'Reviewer Login', and 'Editor Login'. A blue box highlights the 'Or Login via: id' option, which is linked to 'what is ORCID?'. To the right, an ORCID login window is open, showing the 'Editorial Manager' interface. It prompts the user to 'Get your ORCID ID' and provides options to 'Sign into ORCID or Register now'. The user can choose between a 'Personal account' and an 'Institutional account'. The 'Sign in with your ORCID account' section includes fields for 'Email or ID' (with the example 'researcher@institution.edu.au') and 'ORCID Password'. There are 'Deny' and 'Authorize' buttons at the bottom of the ORCID window. The bottom of the main interface features a green 'id' logo.

The start of the process is always at submission. For many researchers, this is how they first encounter ORCID – a request, usually from a journal, to connect their ORCID iD. The researcher signs into their ORCID account and authorizes the publisher or data centre to obtain their authenticated ORCID iD. After they grant permission, they're sent back to the system to finish the submission process.

## AUTO-UPDATE IN ACTION: PUBLICATIONS

**Jake VanderPlas** @jakevdp · 2h  
My first @JOSS\_TheOJ paper passed review and is published! [joss.theoj.org/papers/10.2110...](https://joss.theoj.org/papers/10.21105/joss.00012)

**Jake VanderPlas** @jakevdp  
Wow... that was fast! @ORCID\_Org @JOSS\_TheOJ

**ORCID**  
Crossref

Hi Jacob VanderPlas,  
You have 1 new notification in your ORCID inbox - see summary below. Please visit your ORCID inbox to take action or see more details.

✎ Crossref: Add your published work(s) to your ORCID record

▼ Works (1)

mst\_clustering: Clustering via Euclidean Minimum Spanning Trees [http://dx.doi.org/10.21105/joss.00012](https://dx.doi.org/10.21105/joss.00012)

more info... [Add now](#)

[View details in your ORCID inbox](#)

**ORCID**  
Crossref

has asked for the following access to your ORCID Record

Read items in your ORCID record  
Create or update your activities

☒ Allow this permission until I revoke it.  
You may revoke permissions on your account settings page. Unchecking this bar will grant permission this time only.

This application will not be able to see your ORCID password, or other private info in your ORCID Record. [Privacy Policy](#)

Sign into ORCID or [Register now](#)

☐ Personal Account ☐ Institutional Account

Sign in with your ORCID account

Email or ID \*

0000-0002-8889-4935

ORCID Password

\*\*\*\*\*

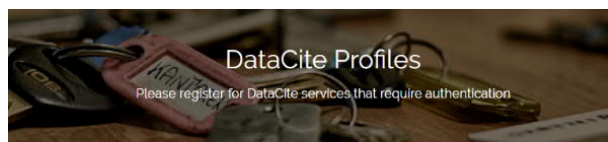
[Forgotten password?](#)

[Deny](#) [Authorize](#)

The publisher or data centre embeds that authenticated ORCID iD into the work's metadata so it's included when depositing to Crossref or DataCite. This is an example of what happens next for publications. When Crossref mints a DOI for a work with an authenticated ORCID iD embedded in it, they send the work to ORCID. ORCID notifies the ORCID record holder that Crossref would like permission to add it to their record. Researchers can grant Crossref permission to continue to update their ORCID record with any subsequent work with an embedded ORCID iD – for approximately 20 years, or until the researcher revokes the token.



## AUTO-UPDATE IN ACTION: RESEARCH DATA



### ORCID Search and Link

Manually add works you find via [DataCite Search](#) to your ORCID record.



### ORCID Auto-Update

Automatically have works in the [DataCite Metadata Store](#) added to your ORCID record.

| DataCite Profiles   |  | Support ▾ | ⌵                                     |
|---|--|-----------|---------------------------------------|
| ORCID Auto-Update   |  |           | disabled                              |
| Automatically have works in the <a href="#">DataCite Metadata Store</a> added to your ORCID record. |  |           |                                       |
|   |  |           | <input type="button" value="enable"/> |



The process is slightly different for DataCite. Researchers must first enable auto-update in their personal DataCite profile in order to benefit from ORCID auto-update. Go to <https://profiles.datacite.org> to start the process. Researchers can disable DataCite auto-update at any time from their DataCite profile, or by revoking permissions to DataCite from their ORCID account settings.

## AUTO-UPDATE IN ACTION : CONNECT TO ORCID RECORD

Kanauji of Kanpur: A brief overview  
Acta Linguistica Asiatica  
2016-06-29 | journal-article  
DOI: [10.4312/ala.6.1.101-119](https://doi.org/10.4312/ala.6.1.101-119)


Source: Crossref Preferred source

Judgment No. 40/1946 against Washio AWOCHI for 10 years' imprisonment (rendered 25 October 1946)  
Figshare  
2016 | other  
DOI: [10.6084/M9.FIGSHARE.4264682](https://doi.org/10.6084/M9.FIGSHARE.4264682)

Source: DataCite Preferred source (of 2)

Transnational Social Movement Organization Dataset, 1953-2003  
2012 | data-set  
DOI: [10.3886/ICPSR33863.V1](https://doi.org/10.3886/ICPSR33863.V1)

Source: DataCite Preferred source

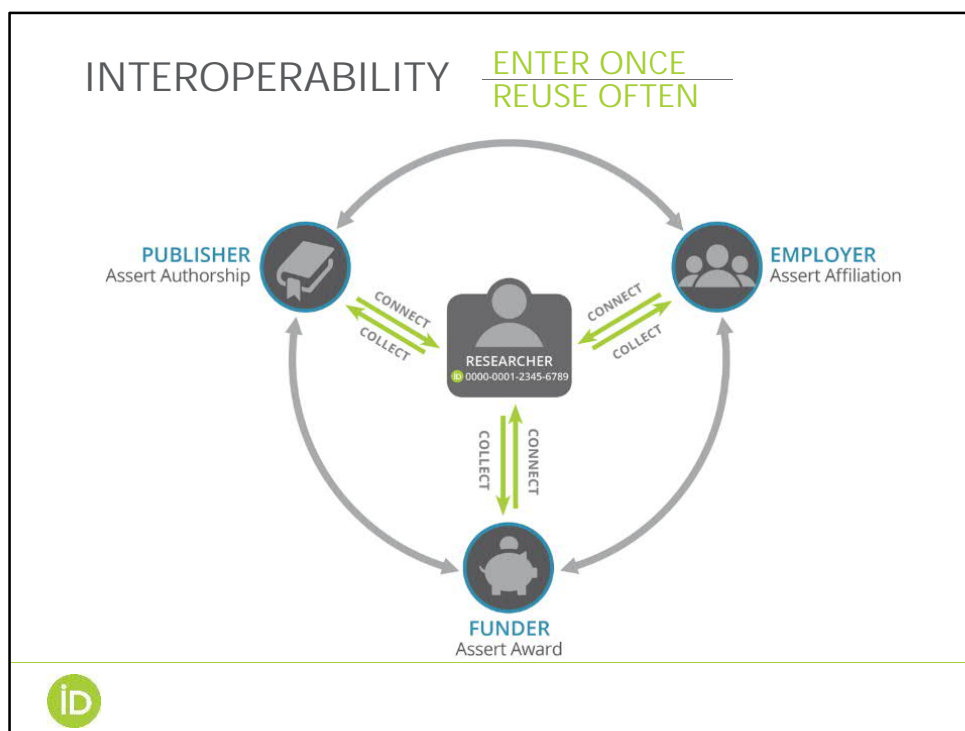


Once permission is granted to Crossref or DataCite to update the researcher's ORCID record, it is added automatically to the record. The top two examples were posted using Crossref auto-update and DataCite auto-update.

Bottom example: Researchers can also use the Crossref Metadata Search or DataCite search to link their work to their ORCID record using the [orcid.org/my-orcid](https://orcid.org/my-orcid) Search & Link wizards, or going directly to [search.crossref.org](https://search.crossref.org) and [search.datacite.org](https://search.datacite.org)

The source of the data is clearly labelled on the user interface and on the ORCID API, so whoever is seeing the data can know that it comes from the trusted source. Because the work is posted using the ORCID API, it must include at minimum one identifier – in this case, a DOI. If other versions of this same work are posted, they will be grouped together based on the identifier. In addition, other systems can query the identifier's source for more robust metadata than is included on the ORCID record.)

Source: [orcid.org/0000-0002-2133-7900](https://orcid.org/0000-0002-2133-7900) (top)  
[orcid.org/0000-0002-6036-0903](https://orcid.org/0000-0002-6036-0903)  
[orcid.org/0000-0002-4808-0391](https://orcid.org/0000-0002-4808-0391)



When research works are added to the ORCID record, other systems benefit.



Spend more time making  
contributions and less  
time managing them

[orcid.org/register](https://orcid.org/register)



Enter Once | Reuse Often



Thanks!