AN INTRODUCTION TO ORCID

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A NAME IS NOT ENOUGH

A researcher can share a name, or change their name, or use their middle name or initial, or their name could be spelt differently, or have an accent...

<table>
<thead>
<tr>
<th>ORCID iD</th>
<th>First name</th>
<th>Last name</th>
</tr>
</thead>
<tbody>
<tr>
<td>0000-0002-8898-4520</td>
<td>Koichi</td>
<td>Tanaka</td>
</tr>
<tr>
<td>0000-0001-9115-2015</td>
<td>Koichi</td>
<td>Tanaka</td>
</tr>
<tr>
<td>0000-0001-8666-6396</td>
<td>Koichi</td>
<td>Tanaka</td>
</tr>
<tr>
<td>0000-0002-3180-7881</td>
<td>Koichi</td>
<td>Tanaka</td>
</tr>
</tbody>
</table>
There are 38 authors whose last name is “Wang”
ONE RESEARCHER MAY HAVE MANY PROFILES OR IDENTIFIERS
IDENTIFIERS ACROSS THE RESEARCH LIFECYCLE

IDENTIFIERS HELP TO MAKE THE WHOLE RESEARCH PROCESS TRANSPARENT

Idea → Research → Publish results → Impact

Search → Find! → Reuse and evolve → Credit
WHAT IS ORCID?

Open Researcher and Contributor ID
WHAT IS ORCID?

• An identifier for researchers
• A registry
• A set of standard procedures for connecting researchers to their affiliations and activities
• A committed community building connectors
• An international-scale open research effort
ORCID’s vision is a world where all who participate in research, scholarship, and innovation are uniquely identified and connected to their contributions across disciplines, borders, and time.
CORE PRINCIPLES OF ORCID

• Researcher control
• Community governance
• Openness
• Persistence

http://orcid.org/about/what-is-orcid/principles
ORCID IS OPT-IN

• ORCID is an opt-in system

• You own and control your record

• ORCID record is portable and travels with you throughout your career
ORCID is a community effort
THE ORCID COMMUNITY

• Over 3.3 million researchers

• ~700 members from 39 countries, including national consortia in Australia, Belgium, Canada, Denmark, Finland, Germany, Italy, the Netherlands, New Zealand, Taiwan, the UK and 4 regional consortia in the US

• Over 250 integrations in each sector of the research community
INTEGRATIONS BY SECTOR

- Research institutions: 62%
- Publishers: 16%
- Repositories/Profile organizations: 10%
- Funders: 7%
- Associations: 5%
INTEGRATIONS BY REGION

- Asia Pacific: 15%
- Europe: 52%
- Latin America: 30%
- Mid East & Africa: 2%
- US/Canada: 1%
CONNECTED ARTICLES

There are now 5m @webofscience records with associated @ORCID_Org iDs! #ORCID15

What a milestone! Over 2 million articles in #EuropePMC now associated with one or more ORCIDs europepmc.org
/search?query=A...

And @ElsevierConnect have c3m records with links to @ORCID_Org! #ORCID15

11:13pm · 3 Nov 2015 · Twitter for iPhone
PUBLISHER REQUIREMENTS

Other publishers requiring ORCID iDs in 2016: PLOS, eLIFE, Science, Hindawi, IEEE, AGU…
ORCID AUTO-UPDATE

Author
- Link own ORCID to author profile
- Add ORCID to co-authors too

Publisher
- Embed authors’ ORCID in the metadata when the manuscript is accepted
- Check authors’ ORCID in the metadata when assigning DOIs to new publications

Crossref
- Receive new publication info from Crossref and add to authors’ ORCID records

Notified by email
AUTO-UPDATE FOR DATA

DataCite’s auto-update steps

Researchers: (1) use ORCID iD when submitting a dataset, and (2) authorize DataCite via profiles to update your ORCID record.

Data centers: (1) collect ORCID identifiers during the submission (2) embed the iD in the published work and include the iD when submitting to DataCite.

DataCite: Upon receipt of data from a data center with a valid identifier, DataCite will automatically push that information to the researcher’s ORCID record.
AUTO-UPDATE IN ACTION

Jake VanderPlas @jakevdp · 2h
My first @JOSS_TheOJ paper passed review and is published! joss.theoij.org/papers/10.2110...

Jake VanderPlas @jakevdp

Wow... that was fast! @ORCID_Org @JOSS_TheOJ

ORCID

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/10.2110/joss.00012

more info... Add now

View details in your ORCID inbox
PEER REVIEW WORKFLOW

Author

- Link own ORCID to author profile
- Add ORCID to co-authors too

Publisher

Embed authors’ ORCID in the review and push a DOI or citation

Receive new review info from publishers and add to authors’ ORCID records

Notified by email
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
FUNDERS

National funding agencies are using ORCID in their grants management systems including the National Research Foundation (ZA) National Institutes of Health (US), Research Councils UK, and the Australian Research Council.

Box 2. Funder Mandates. These funders are requiring use of ORCID by researchers.

- Autism Speaks, USA (2014)
- FCT, Portugal (2014)
- QNRF, Qatar (2014)
- SRC, Sweden (2014)
- Department of Transportation, US (2015)
- NIHR, UK (2015)
- Wellcome Trust, UK (2015)
- FWF, Austria (2016)
Spend more time making contributions and less time managing them

orcid.org/register

Enter Once | Reuse Often