Using Identifiers in research workflows: I know this stuff is important, but tell me why



Crossref



Crossref lets organizations that publisher research register identifiers and metadata for their content. This metadata can contain ORCID iDs, funding and licence information and more. This information is made freely available so that it can be integrated into their research information systems to track research outputs.

ORCID



ORCID provides a persistent digital identifier that distinguishes each researcher from other researchers and, through integration in key workflows such as manuscript and grant submission, supports automated linkages between them and their professional activities ensuring that their work is recognised.

Heard about ROR? R

https://ror.org

Research Organizations Registry ROR is a community-led project to develop an open, sustainable, usable, and unique identifier for every research organization in the world. We'd love your input!

Imagine a world where your researchers can spend more time making research contributions, and be less frustrated managing and sharing those contributions; and where you can more easily follow their professional activities throughout their career.

ORCID and DOIs are vital components of the toolkit that can make this vision a reality. DOIs allow the community to distinguish unique professional activities such as research outputs and funding. ORCID iDs can distinguish your researchers and with APIs can significantly improve the flow of research information within and between organizations at every stage of the research lifecycle, from grant application and publication to research information management reporting. Connecting identifiers for people, place and things enables interoperability across sectors, borders and time.

Laying the foundations

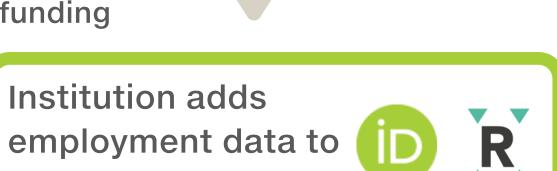
Researcher registers for an ORCID iD



Researcher visits ORCID.org and signs up for an iD, and adds data to their record using free tools.

Researcher applies for funding

ORCID record



Researcher authorises employer to read/update record

Employer system pushes their employment information to ORCID.



Supporting research

Funder pulls in career and CV data from ORCID record



application

Funder registers a DOI for the grant

Funding

succeeds

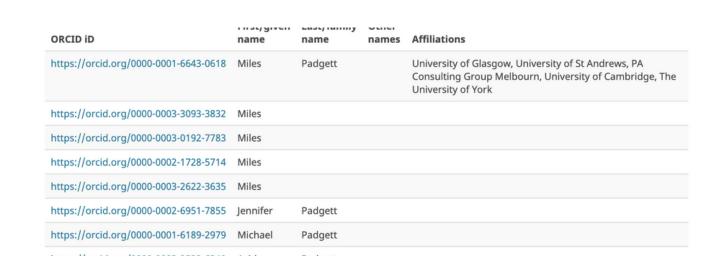


Researcher authorises funder to read/update record.

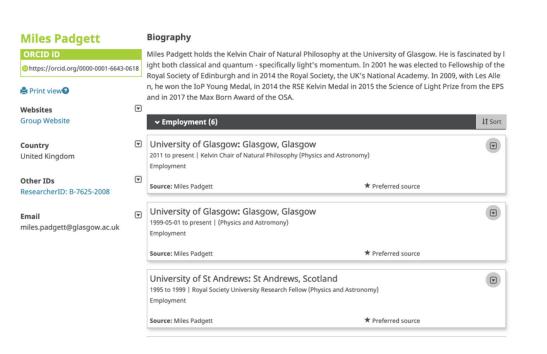
Funder system pulls in grantee information by entering their ORCID and having their system pull back the rest of the information.

Funders will soon start registering DOIs for grants with Crossref. A researcher can then enter their grant number and have the full grant information pulled in. Crossref will push this information to ORCID if an ORCID iD is included in the metadata funders provide.

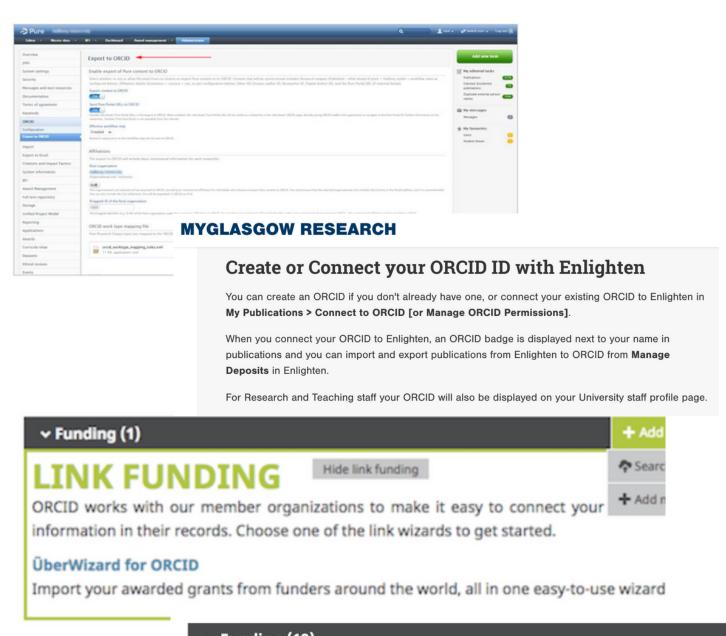
How & why



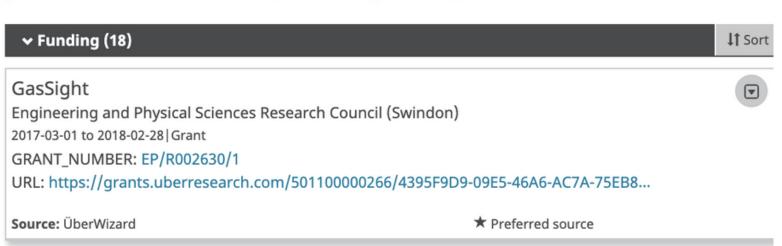
Many researchers have the same or similar names. Signing up for a free ORCID iD gives them a unique identifier to distinguish them.



Employment details change over time. ORCID records this so their activities are kept together in one place.



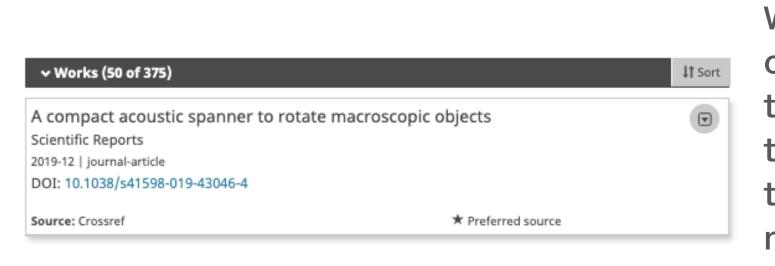
Research information systems enable researchers to connect information about their affiliation, funding, works and more, seamlessly to their ORCID record. This enables this trusted information to be added and updated automatically across systems.



The Wellcome Trust (WT) requires applicants to provide an ORCID ID via their WT Grant Tracker, allowing them to access the ORCID profile information during grant/manuscript submission. Next, they'll capture research information from researchers simplifying and speeding up grant application and reporting processes.



Single-sign on in manuscript submission systems mean fewer account details to remember.



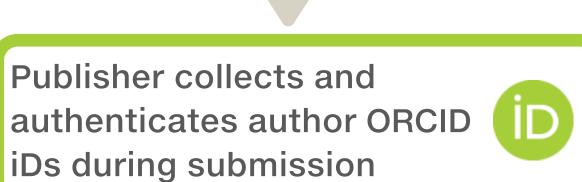
When a publisher registers content with Crossref or DataCite that has an ORCID iD, they'll push that publication information to the author's ORCID record, making it simple to keep it up-todate.

Publishing research

Funder adds award and review citations to ORCID record



Funder system sends data to ORCID when reward is granted

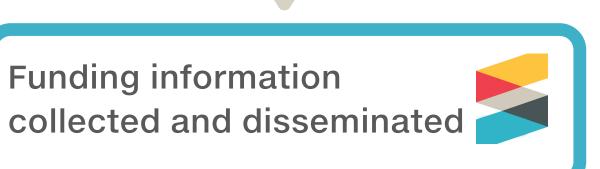


Ensures researcher (and their co-authors) are correctly identified

Single sign-in to submission systems using ORCID credentials

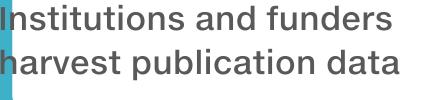


Information tied to ORCID records can be pulled into systems by ORCID members to increase accuracy



Publisher matches funder against funder publication policy so that they can publish in line with funder policies.

Reporting





Auto-update automatically adds publications to the researcher's ORCID record. They can then be found, reported on and pulled into research information systems or reported directly to funders.







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