

Tackling the Pain Points in Funding and Publishing Workflows

APE 2020
14 January 2020



Connecting Research
and Researchers

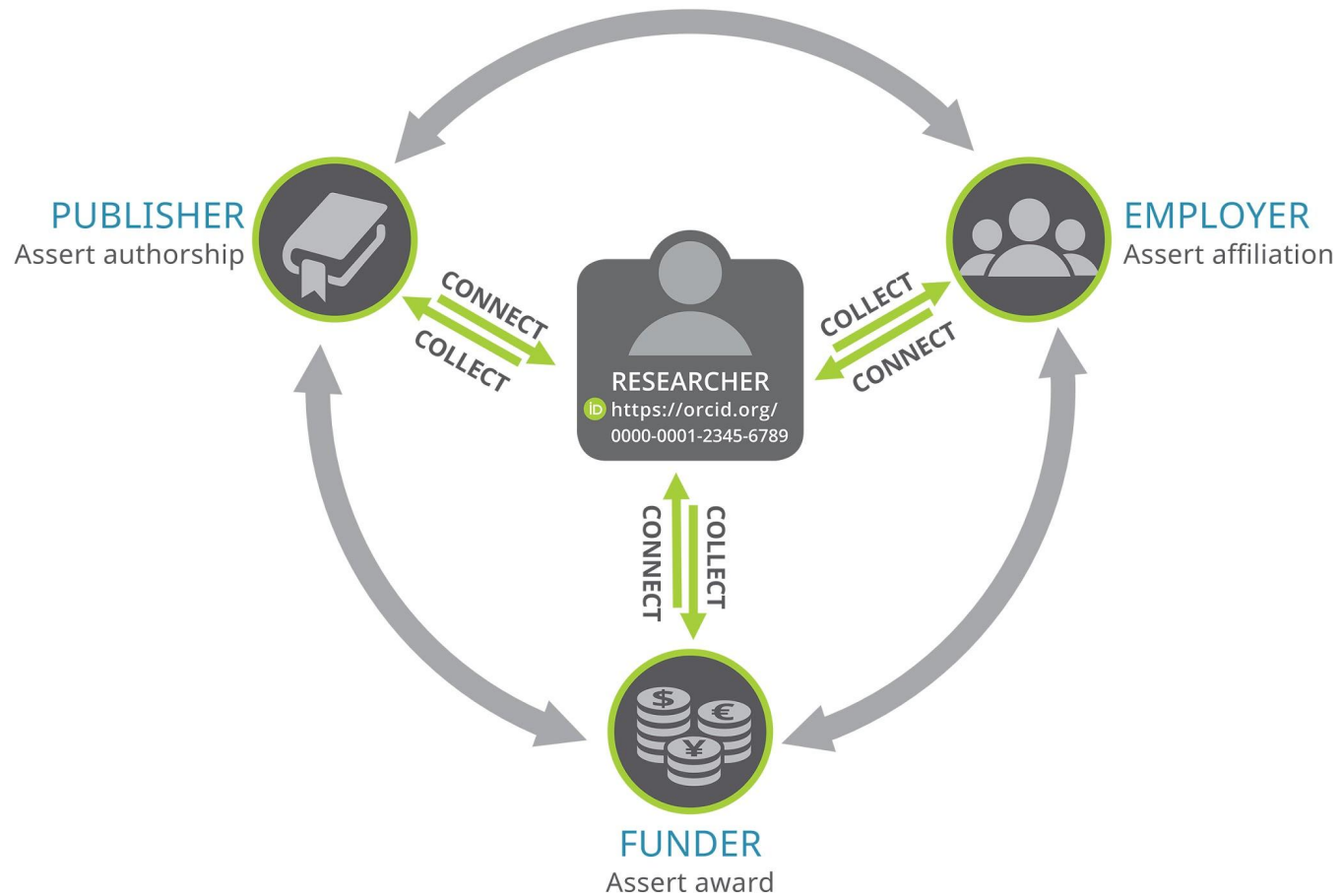
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@ORCID_Org

INTEROPERABILITY

ENTER ONCE
REUSE OFTEN



PIDs can help improve workflows

People: ORCID iDs
(<https://orcid.org>)



Journal articles: DOIs
(<https://crossref.org>)



Research Orgs: ROR IDs
(<https://ror.org>)

Funder Orgs: Funder IDs
([https://www.crossref.org/services](https://www.crossref.org/services/funder-registry/)



[/funder-registry/](https://www.crossref.org/services/funder-registry/))

Grants: DOIs for grants



And more...

Findable	To be Findable any Data Object should be uniquely and persistently identifiable.
Accessible	Data is Accessible in that it can be always obtained by <u>machines and humans</u>
Interoperable	Data should include qualified references to other data, and the format should use a shared vocabulary.
Reusable	To achieve this, data should comply with the above, and refer to their sources with rich metadata and provenance.



ORBIT FUNDER WORKING GROUP

Australian Research Council - ARC (Australia)

Austrian Science Fund - FWF (Austria)

BBSRC (UK)

Canadian Institutes of Health Research - CIHR
(Canada)

CONCYTEC (Peru)

Conselho Nacional de Desenvolvimento
Científico e Tecnológico - CNPq (Brazil)

Coordenação de Aperfeiçoamento de Pessoal
de Nível Superior - CAPES (Brazil)

Fundação para a Ciência e a Tecnologia - FCT
(Portugal)

Howard Hughes Medical Institute - HHMI
(USA)

Japan Science and Technology Agency - JST
(Japan)

Ministry of Business, Innovation, and
Employment - MBIE (New Zealand)

National Humanities Alliance - NHA (USA)

National Research Foundation - NRF
(South Africa)

Natural Sciences and Engineering
Research Council of Canada - NSERC
(Canada)

Science and Technology Development
Fund - STDF (Egypt)

Social Sciences and Humanities Research
Council - SSHRC (Canada)

Swiss National Science Foundation - SNF
(Switzerland)

US National Institutes of Health - NIH
(USA)

Wellcome Trust (UK)



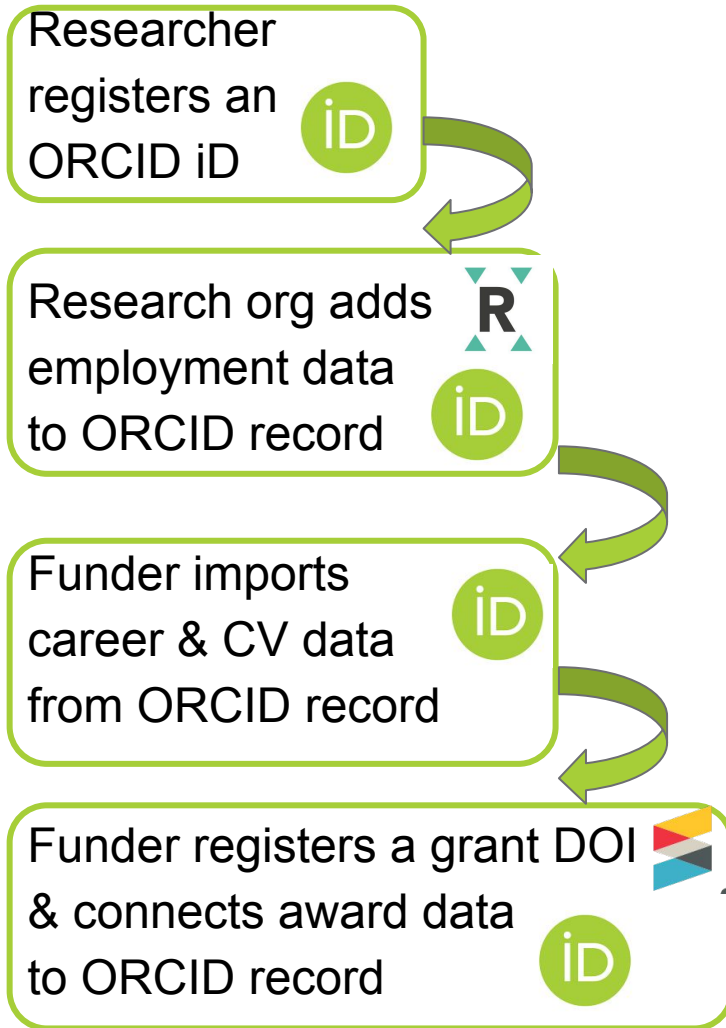
FUNDING WORKFLOW PAIN POINTS

The ORCID Funder Working Group identified pain points and made recommendations to address them:

- **High reporting burden.** Use information from ORCID records to fill forms and to track research results over time
- **Low data quality.** Add **authoritative** information about funding to ORCID records
- **Low information-sharing.** Enable systems and organizations to easily share information about researchers and their funding



PIDs in funding workflows



Benefits:

- ✓ Transparent & authoritative connection between funder & researcher
- ✓ Better quality data
- ✓ Promotes interoperability between system and better research data & infrastructure
- ✓ Saves time to funders admin staff, researchers, etc.



Support ORCID and sign our [Funders Open Letter](#)

PIDs in publishing workflows

Publisher collects author's iD during submission



Publisher queries ORCID record for funding & employment



Publisher creates automatic funding acknowledgement



Publisher checks if an OA policy applies & publishes in line with it



Publisher connects article metadata to ORCID record



Licensing data coming up next on ORCID records?

Benefits:

- ✓ Authors and co-authors correctly identified & article metadata (incl funding acknowledgement) connected to their record
- ✓ Supports funder compliance and increases transparency by incl identifiers in publication metadata
- ✓ Improves reports quality



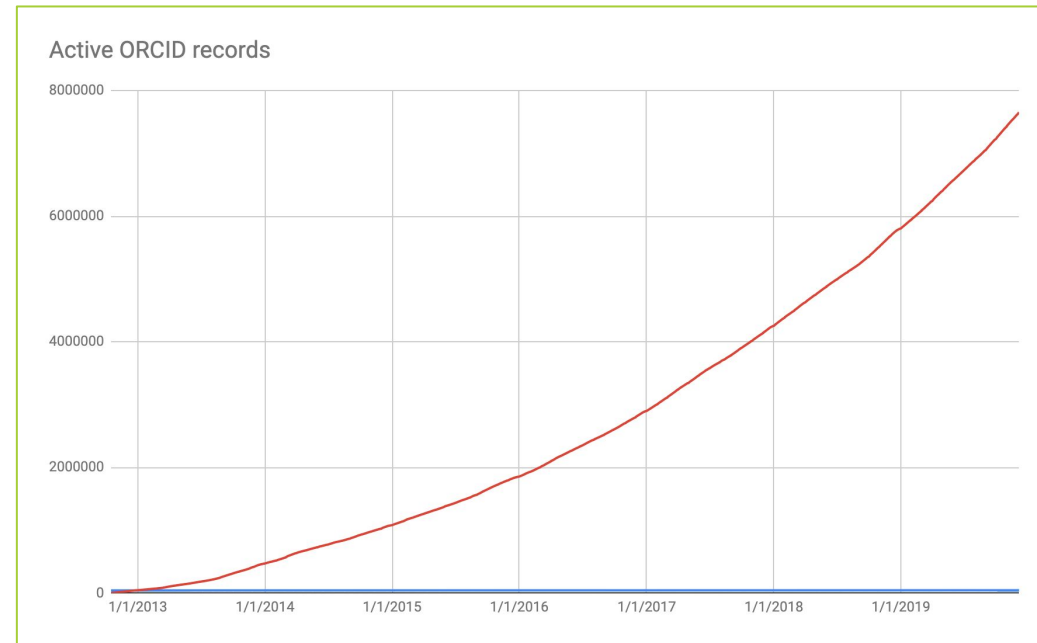
Support ORCID and sign our [Publishers Open Letter](#)

ORCID in numbers

7,8M+ ORCID iDs


connected to:

- **3M+** identifiers (person, org, funding, works peer review)
- **3,7M+** education items
- **3,4M+** employment items
- **49M+** works
 - **18M+** unique DOIs
- **13M+** peer reviews
- **700k+** funding items



ORCID & researcher control

- **Collect authenticated iDs.** Use the ORCID API to obtain user's permissions to interact with their record (read or add data)
- **Respects privacy and consent**
- **Avoids typing or any manual issues**






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(Not You) ?

ÜberWizard ?

has asked for the following access to your ORCID Record



Read your information with visibility set to Trusted Parties 
Add/update your research activities (works, affiliations, etc)

This application will not be able to see your ORCID password or any other information in your ORCID record with visibility set to Only me. You can manage permission granted to this and other Trusted Organizations in your [account settings](#).

Authorize

Deny

Evaluation of metabotropic glutamate receptor 3 as a therapeutic target in breast cancer
Breast Cancer Now (London)
2019-08-01 to 2022-07-31 | Grant
GRANT_NUMBER: 2018NovPR1268
URL: <https://app.dimensions.ai/details/grant/grant.8483100>

Organization identifiers

FundRef: <http://dx.doi.org/10.13039/501100007913>
Breast Cancer Now: GB

Funding subtype

Funding sub-type

Total funding amount

GBP 229,977

Translated title(English)

Evaluation of metabotropic glutamate receptor 3 as a therapeutic target in breast cancer

Description

Systemic glutamate levels are consistently elevated in patients with breast cancer. We have discovered that glutamate engages its receptor, metabotropic glutamate receptor 3 (mGluR3), to drive the intrinsic aggressiveness of breast cancer cells. Furthermore, we have discovered that mGluR3 forges a key link between glutamine metabolism and remodelling of the stroma and the innate immune microenvironment in breast cancer. Aims: 1) Determine the role of mammary tumour progression and metastasis, stromal remodelling and shaping of the innate immune cell microenvironment and will contribute to de-risking mGluR3 as a novel drug target in breast cancer.

Added

2019-09-23

Last modified

2019-09-23

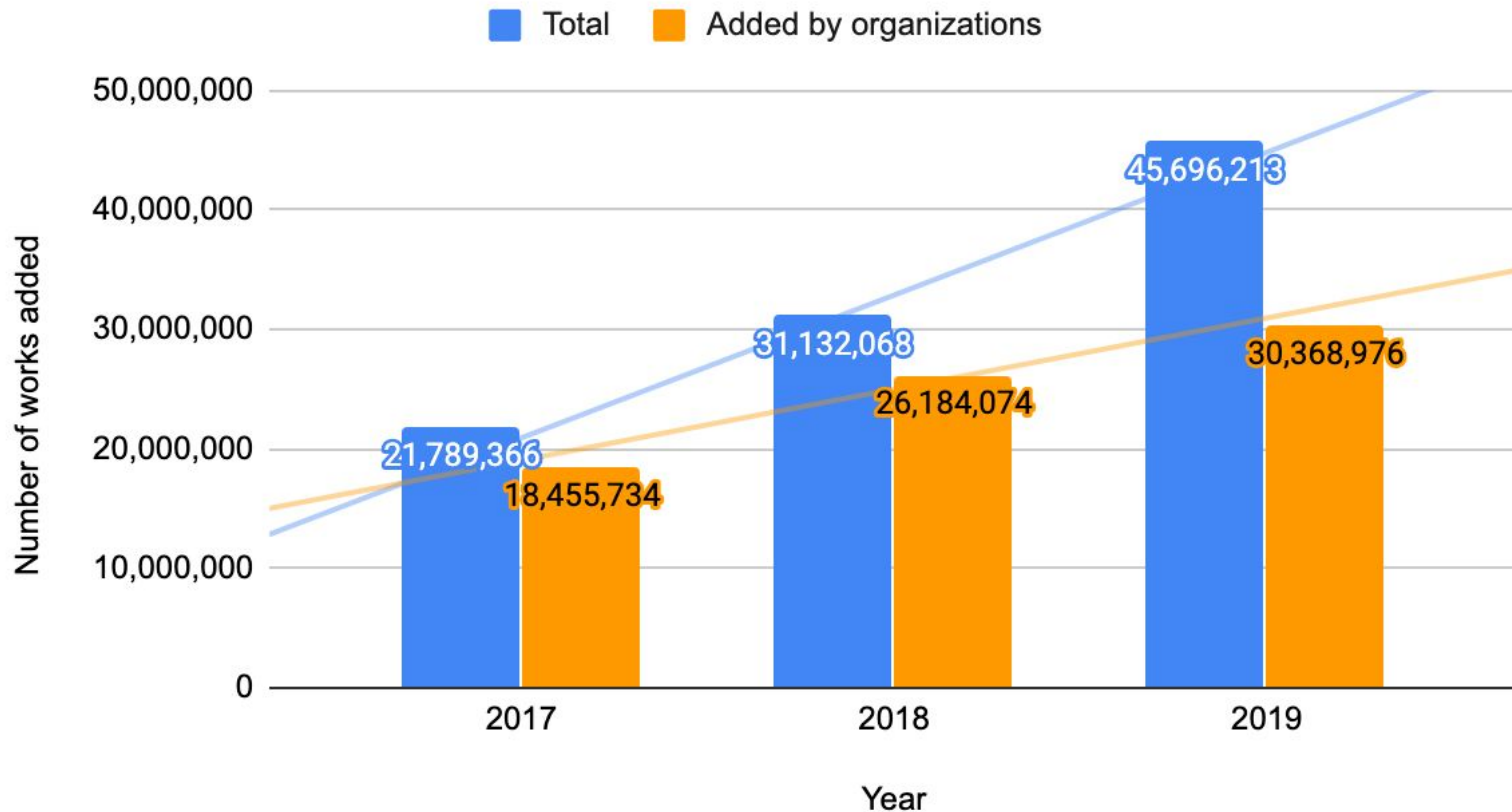
Source: Leo M. Carlin via ÜberWizard

★ Preferred source



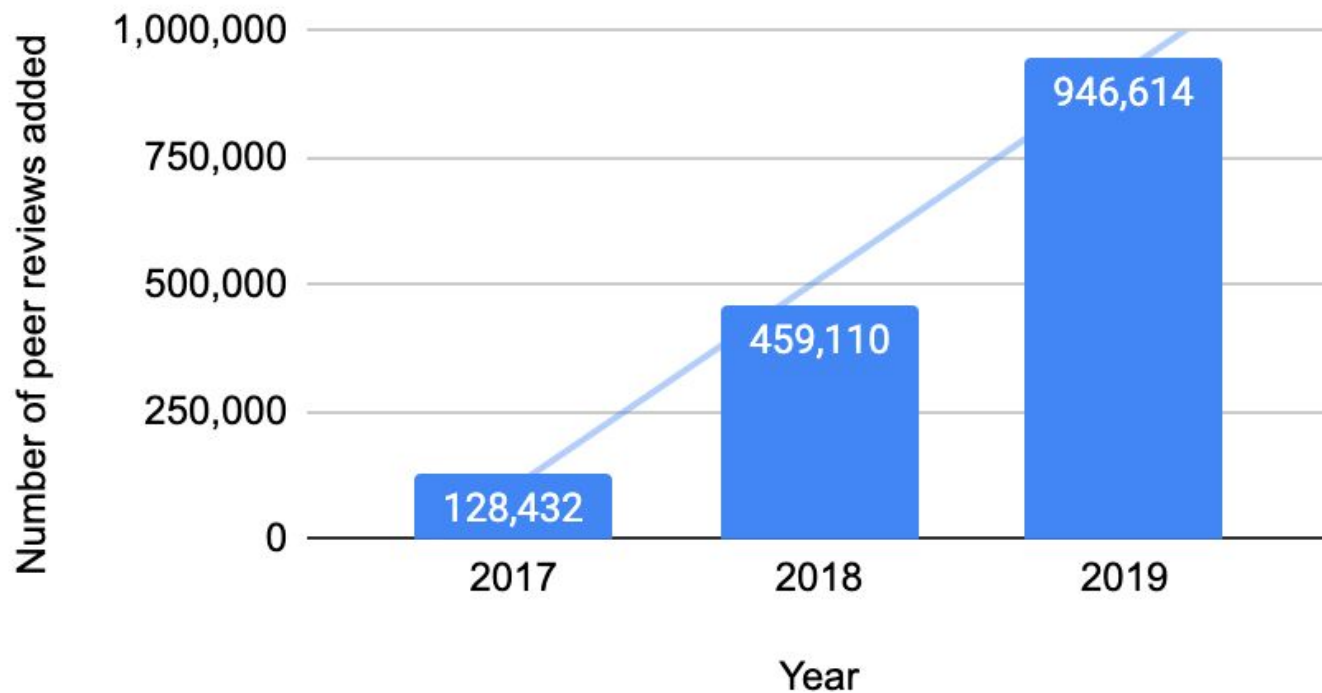
How is publications metadata connected to **ORCID** records?

Works data on ORCID records



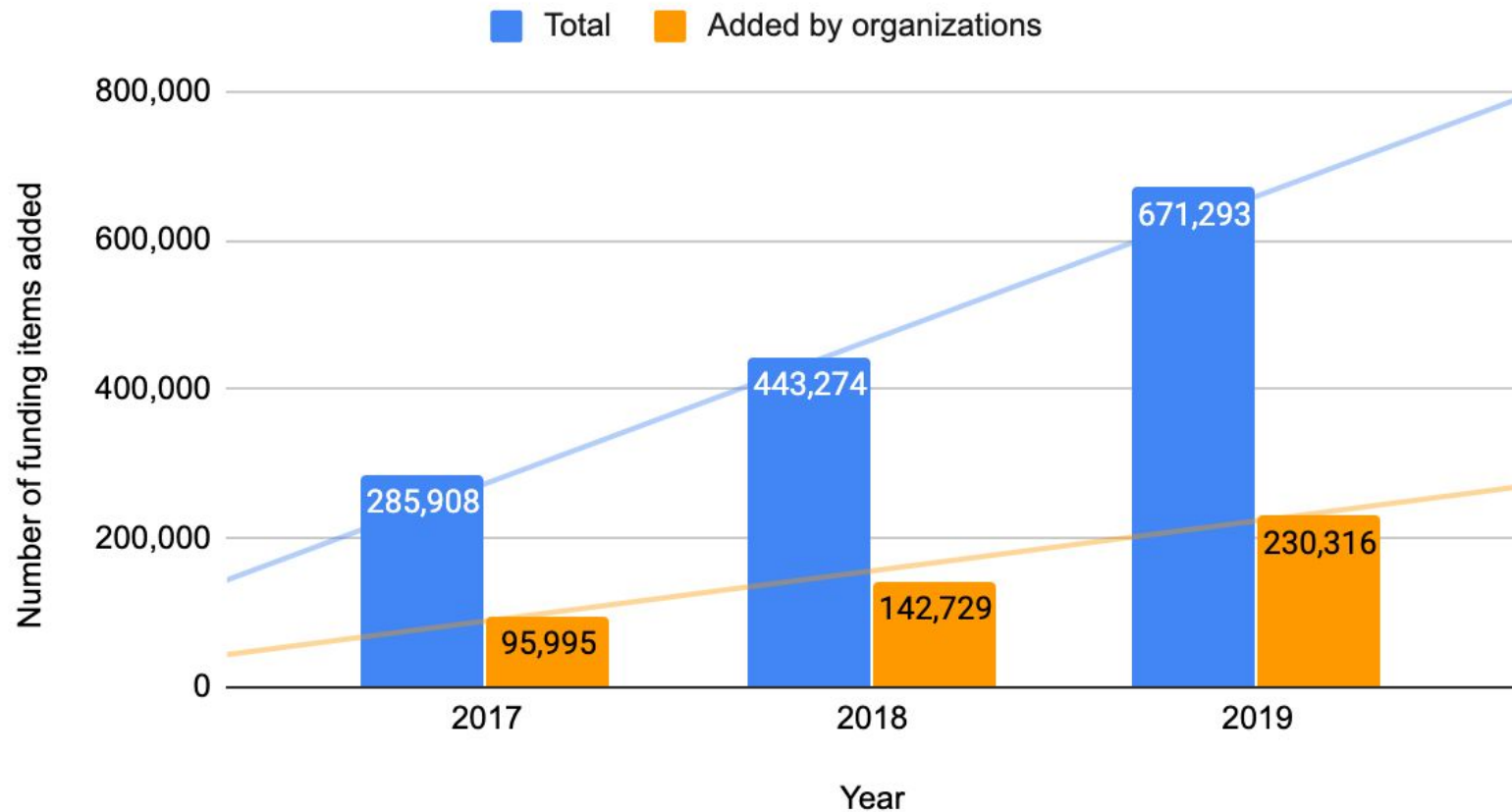
How is peer review metadata connected to **ORCID** records?

Peer review data on ORCID records





















How is funding data connected to **ORCID** records?

Funding data on ORCID records



Progress to date

Funder - Country	Require iDs	Collect iDs	Import data from ORCID	Connect data to ORCID
ARC (Australia)			 Research outputs into their RMS	
DFG (Germany)		 Elan		
FCT (Portugal)			 Publications	 Publications & funding
NIH (USA)			 SciENv & PARDI	
NIHR (UK)				 Funding
Wellcome Trust (UK)				 Grants Publications & peer reviews (auto update)
NRF (South Africa)				



Progress to date

Publishers

75 member orgs

105 active integrations

Enabled systems:

- Editorial Manager/ProduXion Manager
- Open Journal Systems
- ScholarOne Manuscripts
- eJournalPress
- ReView

**Crossref & Publons
auto update**

Funders

30 member orgs

25 active integrations

Funding S&L wizard
(Überwizard)

Enabled systems:

- CC Grant Tracker
- Proposal Central

11 signatories Open Letter

Improving your workflows one **PID** at a time

- Register **PIDs** for grants and publications
- Integrate **ORCID** into your funding & publishing workflows
- Make your **PIDs** talk to each other
- **Share** your connections and data
- Invest in **open** infrastructure

Thank you!

For more information:

- [ORBIT: Grant Application Data Field Survey Report](#)
- [ORCID and Grant DOIs](#)
- [ORBIT Funder Reporting Survey Report](#)
- [ORCID for Funding Organizations](#)
- [ORCID Funding Systems Workflow](#)
- [Grant Identifier Metadata Schema](#)
- [Organization iDs in practice](#)
- [Support ROR](#)



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The ORCID team