

ORCID in the Research and Publishing Lifecycle

27 January 2021



Connecting Research
and Researchers

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@gabioshka
@ORCID_Org

ORCID'S VISION IS A WORLD WHERE ALL WHO
PARTICIPATE IN RESEARCH, SCHOLARSHIP, AND
INNOVATION ARE UNIQUELY IDENTIFIED AND CONNECTED
TO THEIR CONTRIBUTIONS AND AFFILIATIONS ACROSS TIME,
DISCIPLINES, AND BORDERS.

Together, we can make this vision a reality



What is ORCID?

- ORCID is an open, not-for-profit organization run by and for the research community
- We provide researchers with a unique identifier, an ORCID iD, that reliably and clearly connects them with their research contributions, affiliations, funding & facilities (not a profile or authority record)
- We provide open tools ([ORCID iDs](#), [Registry & API](#)) that enable transparent connections between researchers, and identifiers for their activities & contributions.



Why ORCID?



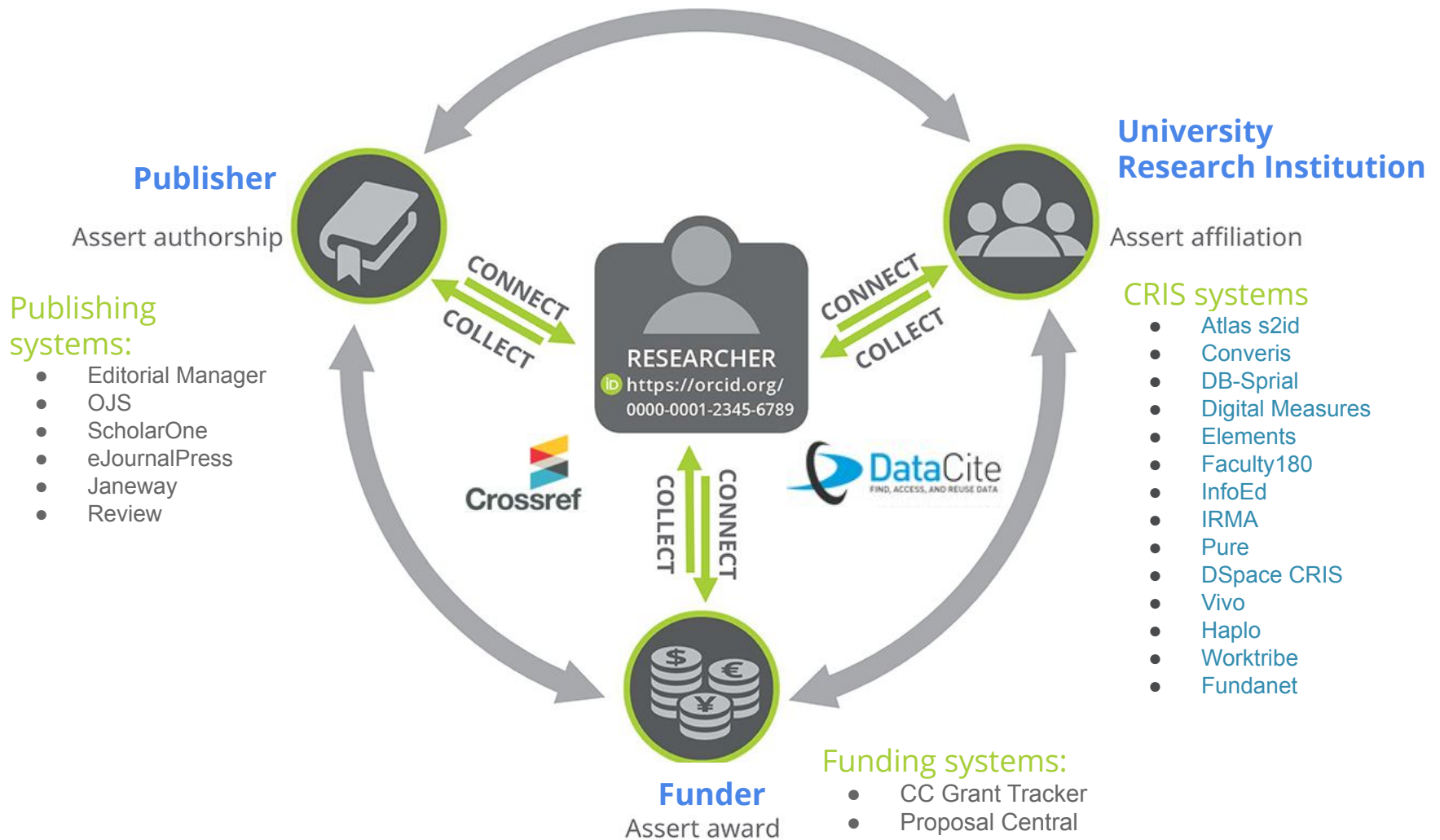
ORCID ID	First Name	Last Name
0000-0002-7296-8243	Anna	Nowak
0000-0002-7593-8277	Anna	Nowak
0000-0002-1830-5983	Anna	Nowak
0000-0002-4660-7356	Anna	Nowak
0000-0002-5392-7681	Anna	Nowak
0000-0001-7166-251X	Anna	Nowak
0000-0001-8752-8630	Anna	Nowak
0000-0003-1281-0441	Anna	Nowak
0000-0003-1741-8692	Anna	Nowak
0000-0003-2952-904X	Anna	Nowak
0000-0003-4048-7610	Anna	Nowak
0000-0001-9158-1055	Anna	Nowak
0000-0001-5408-2089	Anna	Nowak
0000-0002-3294-0342	Anna	Nowak
0000-0002-4287-6751	Anna	Nowak

The O in ORCID

- Free
- No barriers to use
- Democratic
- Transparent
- Open Source



INTEROPERABILITY ENTER ONCE REUSE OFTEN



How Organizations and Researchers Benefit

INSTITUTIONS

- Save time and reduce errors with automated information-sharing and cross-system interoperability
- Manage your organization name and your researchers' connections with it
- Maintain links with your researchers - past, present, and future



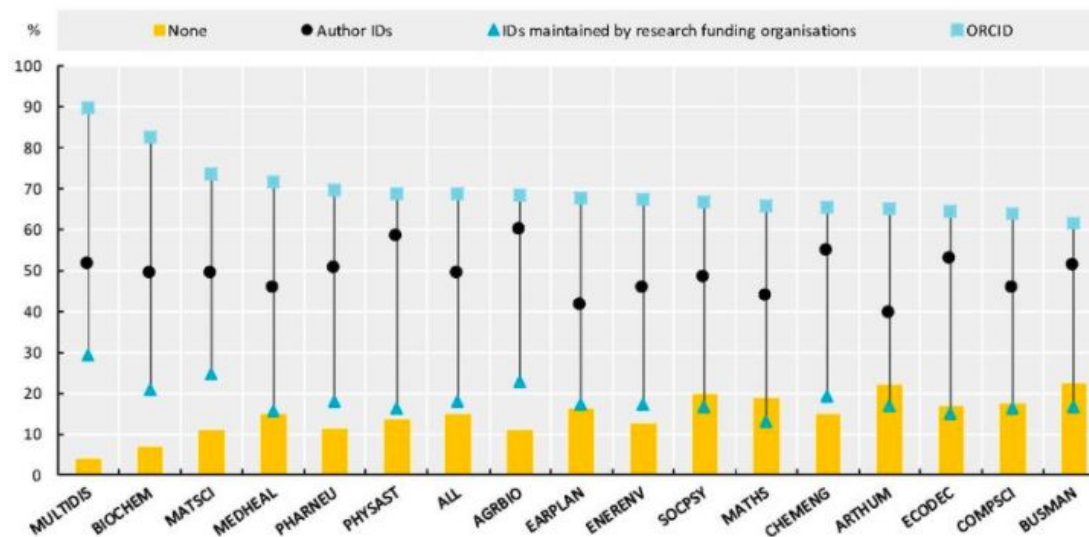
RESEARCHERS

- Improve recognition and discoverability of their research
- Spend more time doing research, less time managing it
- Control and manage a trusted and easily shareable record of their research activities and affiliations – for free



Digital identity on a global scale

- OECD reports that over 60% of researchers in each field reported using their ORCID iD as a digital identity in their research
- Over 50% of researchers in each country reported using ORCID IDs



Note: Weighted estimates based on sampling weights adjusted for nonresponse. Less than 2.5 percent of authors in each field reported using other types of identifiers.

Source: OECD International Survey of Scientific Authors (ISSA), 2018. <http://oe.cd/issa>.



<https://orcid.org/blog/2020/04/23/value-orcid-ids-enabling-digital-identity-global-scale-report-oecd>

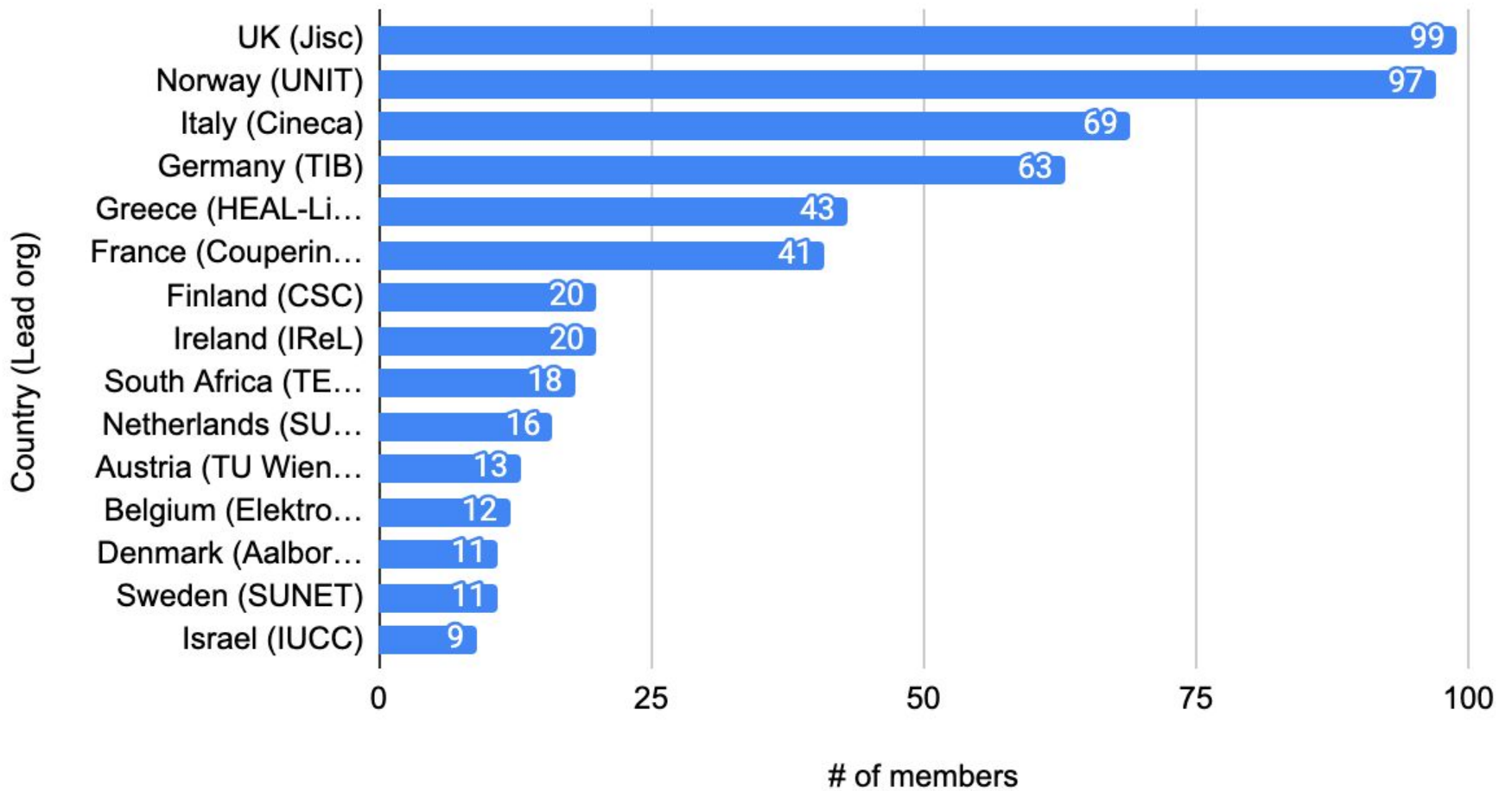
Charting the Digital Transformation of Science

Our community

- 10M+ iDs
- 1000+ institutional members
- 24 regional consortia (12 in Europe)
- 900+ member integrations
- More than 50 countries
- ORCID iDs 10,508,481
- # of affiliation items 11,186,893
- # of works 66,757,788
- # of funding items 962,703
- # of peer-review items 3,194,953
- # of person identifiers 1,877,700



ORCID EMEA Consortia

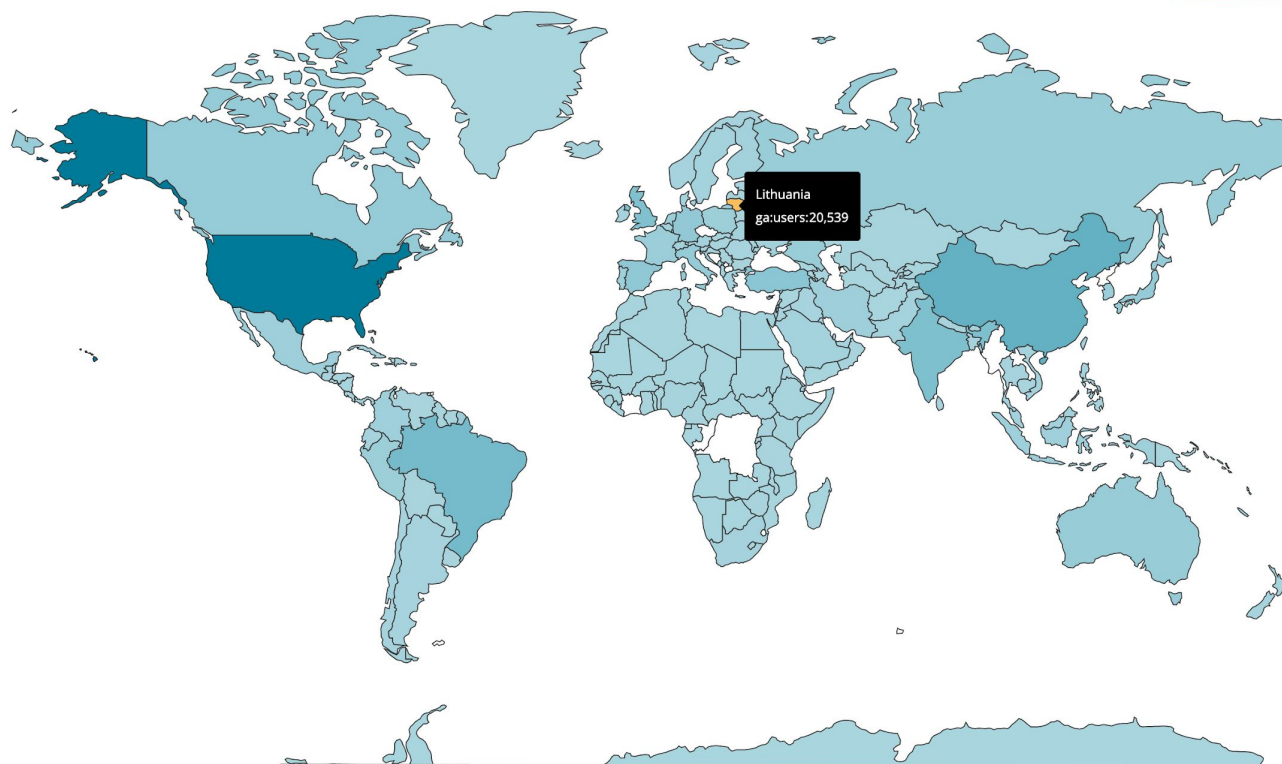


ORCID adoption in Lithuania

User Countries (last 365 days)



1 6.18M



ga:sessions

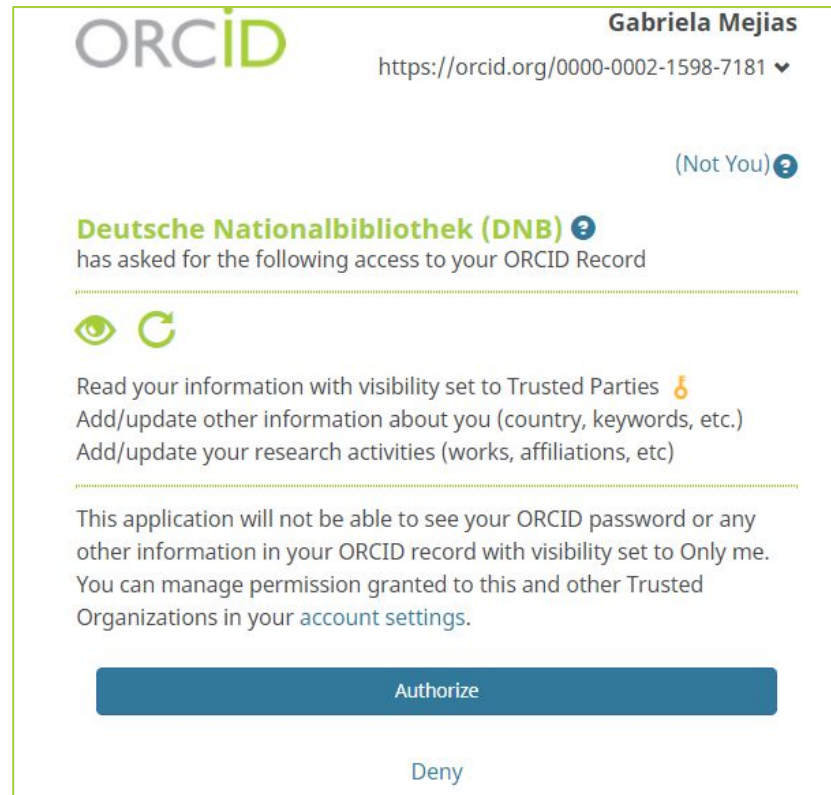
50757

Records with email domain

5,155



Connecting iDs via authentication






The screenshot shows an ORCID authentication interface. At the top left is the ORCID logo. To its right, the user's name 'Gabriela Mejias' and her ORCID iD 'https://orcid.org/0000-0002-1598-7181' are displayed. Below this, there is a '(Not You)' notification with a question mark icon. The main request is from 'Deutsche Nationalbibliothek (DNB)', which has asked for access to the user's ORCID Record. The permissions requested are: 'Read your information with visibility set to Trusted Parties', 'Add/update other information about you (country, keywords, etc.)', and 'Add/update your research activities (works, affiliations, etc.)'. A disclaimer states that the application will not see the user's password or other information in their record with visibility set to 'Only me'. At the bottom, there are two buttons: a large blue 'Authorize' button and a smaller 'Deny' link.

- Ensuring that the iD is transmitted correctly
- Avoid errors when inserting the iD in the metadata (typographical errors, reconciliation errors, etc.)
- Be aware of what use permissions are granted

ORCID privacy

By default, who should be able to see information added to your ORCID Record?






-  **Everyone** (87% of users choose this)
-  **Trusted parties** (5% of users choose this)
-  **Only me** (8% of users choose this)

- Email addresses are private by default



- Privacy control of the registry for each entry individually
- In accordance with GDPR and privacy acts
- Public Data File: released annually during OA Week (CC0)

Trusted organizations

Trusted organization	Approval date	Access type	
CAPEs https://sadmin.capes.gov.br	2019-08-14	Read your information with visibility set to Trusted Parties Add/update your research activities (works, affiliations, etc) Get your ORCID iD	
Clarivate https://www.clarivate.com/	2019-07-09	Read your information with visibility set to Trusted Parties	
CNPq - Conselho Nacional de Desenvolvimento Científico e Tecnológico (The National Council for Scientific and Technological Development) http://www.cnpq.br/	2019-07-24	Read your information with visibility set to Trusted Parties Add/update your research activities (works, affiliations, etc) Get your ORCID iD	
Copernicus.org http://www.copernicus.org	2019-01-23	Get your ORCID iD	
Crossref https://doi.crossref.org/	2019-04-12	Read your information with visibility set to Trusted Parties Add/update your research activities (works, affiliations, etc)	

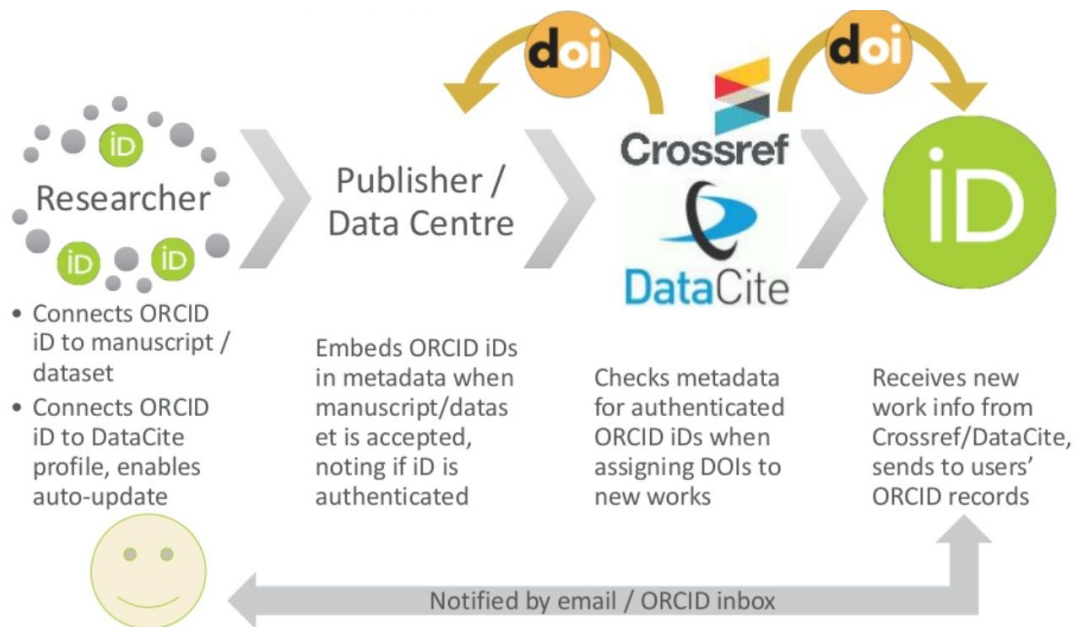


Trusted organizations: <https://support.orcid.org/hc/en-us/articles/360006973893-Trusted-organizations>

GDPR and ORCID: <https://support.orcid.org/hc/en-us/articles/360006895834-ORCID-GDPR-and-your-rights-as-a-user>

Public Data File: <https://orcid.org/content/orcid-public-data-file-use-policy>

Interoperability in action



▼ Works (1 of 1) ↑↓ Sort

Application of Agent-based Modeling for Cultural Information-based Decisions Making 🗄

Informacijos mokslai

2020-04-29 | journal-article

DOI: [10.15388/Im.2020.88.29](https://doi.org/10.15388/Im.2020.88.29)

Source: Crossref ★ Preferred source

Source: <https://orcid.org/0000-0001-9853-8738>



<https://support.orcid.org/hc/en-us/articles/360006896394-Auto-updates-time-saving-and-trust-building>




ORCID APIs

→ Sandbox (Testing)

<https://orcid.org/content/register-client-application-sandbox>

→ Production (Live Registry)

<https://orcid.org/content/register-client-application-production-trusted-party>

 Public API Freely available	<ul style="list-style-type: none">•Authenticate: Get a user's authenticated ORCID iD•Read (Public): Search/retrieve public data•Create: Facilitate creation of new ORCID records (via on-demand process)
 Member API - Basic Basic membership	<ul style="list-style-type: none">•Read (Limited): Search/retrieve limited-access data•Add: Post new items to a record•Update: Edit or delete items you previously added
 Member API - Premium Premium & Consortium membership	<ul style="list-style-type: none">•Webhooks: Receive notifications of updates•Monthly reports (including email stats)•Access to monthly public data file

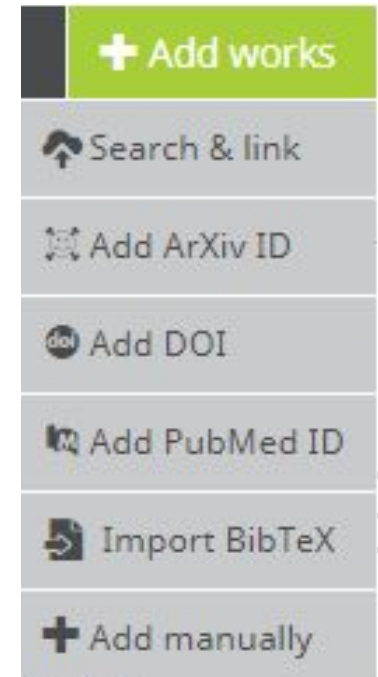


<https://members.orcid.org/api>

<https://orcid.org/about/membership/comparison>

Works

- WORKS: broad definition of production
- 12 Search & Link wizards
- Import / Export BibTeX
- Add using DOI, ARXIV & PubMedID
- Add manually (least recommended option)



Works added by dif sources grouped based on identifier

Sources	Close sources	Preferred	
<input type="checkbox"/>	Train the Trainer: ORCID Outreach and Advocacy		
	Figshare		
	2019 other		
	DOI: 10.23640/07243.8184359		
	DataCite	★ Preferred source	
	DataCite	☆ Make preferred	
	BASE - Bielefeld Academic Search Engine	☆ Make preferred	
	Gabriela Mejias	☆ Make preferred	



<https://support.orcid.org/hc/en-us/articles/360006973133-Add-works-to-your-ORCID-record>
<https://support.orcid.org/hc/en-us/articles/360006894774-Group-multiple-versions-of-the-same-work-together>

Works (types and identifiers)

Publications

- book
- chapter of the book
- book review
- thesis
- encyclopedia entry
- Article
- newspaper article
- translation
- Web page
- preprint
- ...

Conferences

- conference abstract
- conference article
- conference poster

Intellectual property

- patent
- license
- ...

Others

- annotation
- artistic performance
- data set
- software
- ...

Identifiers: DOI, Handle, URN, ISSN, ISBN, ArXiv, PubMed ID, URI...

Includes the relationships "self", "part of" (eg for book chapters), "version of" (eg for preprints, data sets, software ...)



Work types: <https://members.orcid.org/api/resources/work-types>

Identifiers: <https://pub.orcid.org/v2.0/identifiers> y <https://members.orcid.org/api/resources/supported-work-identifiers>

Add data management plan - work type schema:

<https://trello.com/c/JDFHzIU5/296-add-data-management-plan-work-type-to-30-schema-2>

Search & Link

Import works from 12 databases.

Open access (eg BASE, Redalyc) and proprietary (eg Scopus) and DOI registration agencies (eg Crossref, DataCite and Airiti)

Other identifiers (eg ISNI, Scopus Author ID) and / or authority controls (eg GND, authority control of the German National Library) are recorded.

LINK WORKS Hide link works

ORCID works with our member organizations to make it easy to connect your ORCID ID and link to information in their records. Choose one of the link wizards to get started. [More information about linking works](#)

Work type: Geographical area:

Airiti
Enables users to import metadata from Airiti, including journal papers, proceedings, dissertations, and books. Scholars can easily collec...

BASE - Bielefeld Academic Search Engine
BASE is one of the world's most voluminous academic search engines. It searches metadata about more than 100 million documents fr...

Crossref Metadata Search
Import your publications from Crossref's authoritative, publisher-supplied metadata on over 70 million scholarly journal and conferenc...

DataCite
Enable the DataCite Search & Link and Auto-Update services. Search the DataCite Metadata Store to

Deutsche Nationalbibliothek (DNB)
Search the catalogue of the German National Library (DNB) by your name and link your publications

Europe PubMed Central
Europe PubMed Central (Europe PMC) offers this tool to enable you to link anything in Europe PMC t

HAL
Part of the Ministry's research infrastructure roadmap and of the National Plan for Open Science, HA

ORCID infographic (SPANISH).pdf 

2019 | other
SOURCE-WORK-ID: BASE:6cb2bae6e6ed2a0ee669bdea053f8338e30c32ace6ade972fabad548226390e7
DOI: 10.23640/07243.8049713.v1

URL
<https://doi.org/10.23640/07243.8049713.v1>

Description
Una infografía sobre el uso de los identificadores ORCID para investigadores: por qué son necesarios, cómo se usan, ejemplos de su valor para los investigadores y sus instituciones.

Contributor
Alice Meadows (author)
Haak Laurel (author)
Gabriela Mejias (author)

Added
2019-07-09

Last modified
2019-07-09

Source: Gabriela Mejias via BASE - Bielefeld Academic Search Engine

★ Preferred source (of 5)



Peer Review

Peer Review Section

- Based on CASRAI Peer Review Services data profile
- Added by trusted parties via API - cannot be added manually
- Workflow with Publons

Peer review (2) Sort

review activity for [eLife\(2\)](#)
journal, eLife

Review date	Type	Role	Actions
2017	review	reviewer	<input checked="" type="checkbox"/> show details view
2017	review	reviewer	<input type="checkbox"/> hide details view

Review identifier(s): SOURCE-WORK-ID: S6ZBCYjFyttimIMRBPQTeQ
Convening organization: eLife(Cambridge, United Kingdom)
Source: eLife manuscript management system Created: 2017-04-15

Source: <https://orcid.org/0000-0001-7079-7973>

review activity for [Encontros Bibli.\(1\)](#)
journal, Encontros Bibli: Revista Eletrônica de Biblioteconomia E Ciência da Informação
ISSN : [1518-2924](#)

Review date	Type	Role	Actions
2020	review	reviewer	<input checked="" type="checkbox"/> show details view

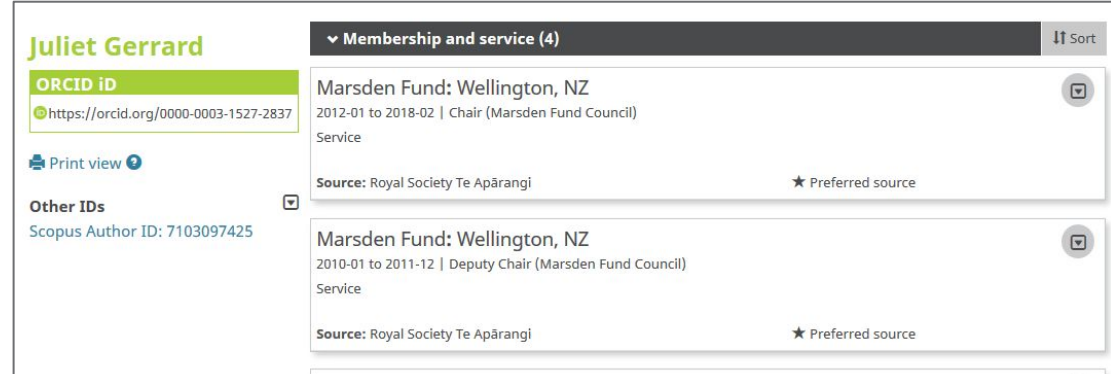
Source: Publons ★ Preferred source

Source: <https://orcid.org/0000-0001-7460-7794>



Peer Review - Funders

- Recognize a **service** to an organization as a reviewer, member of the editorial, organizational committee, etc.



The screenshot displays the ORCID profile for Juliet Gerrard. On the left, her name is at the top, followed by her ORCID iD (https://orcid.org/0000-0003-1527-2837) and a 'Print view' button. Below that, 'Other IDs' are listed, including Scopus Author ID: 7103097425. On the right, a dropdown menu is open for 'Membership and service (4)'. Two entries are visible: 'Marsden Fund: Wellington, NZ' (2012-01 to 2018-02 | Chair (Marsden Fund Council)) and 'Marsden Fund: Wellington, NZ' (2010-01 to 2011-12 | Deputy Chair (Marsden Fund Council)). Both entries are marked as 'Service' and 'Preferred source' from 'Royal Society Te Apārangi'.

Source: <https://orcid.org/0000-0003-1527-2837>

Get recognition as a UKRI reviewer

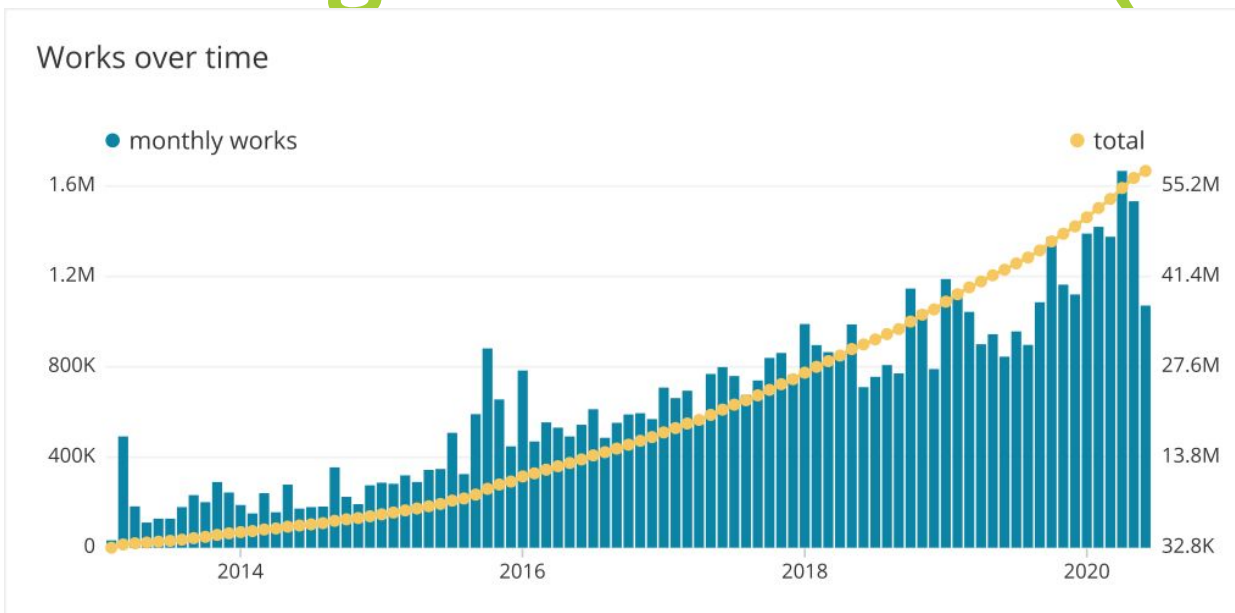
UKRI relies heavily on the time and expertise of reviewers to help us make the best funding decisions, and we are currently exploring ways to better reward our reviewers for their contribution.

If you are a UKRI reviewer you now have the option to get formal recognition for your review contribution. We have developed a feature to send review information from Je-S to individual ORCID identifiers, which means that reviewers who review for UKRI and submit the review via Je-S can be recognised for their work.



<https://info.orcid.org/implementation-of-orcid-reviewer-recognition-in-uk-research-and-innovation-funding-system-je-s/>
<https://info.orcid.org/recognizing-reviews-for-grant-applications-using-orcid-an-interview-with-jason-gush-royal-society-te-aparangi/>

Connecting contributions (works)



work type	count of all work type	percentage
JOURNAL_ARTICLE	46,740,361	81.36
CONFERENCE_PAPER	4,763,039	8.29
BOOK_CHAPTER	1,512,046	2.63
BOOK	1,354,504	2.36
OTHER	1,180,979	2.06
CONFERENCE_ABSTRACT	319,828	0.56

[View all 43 rows](#)

Works

57,448,023

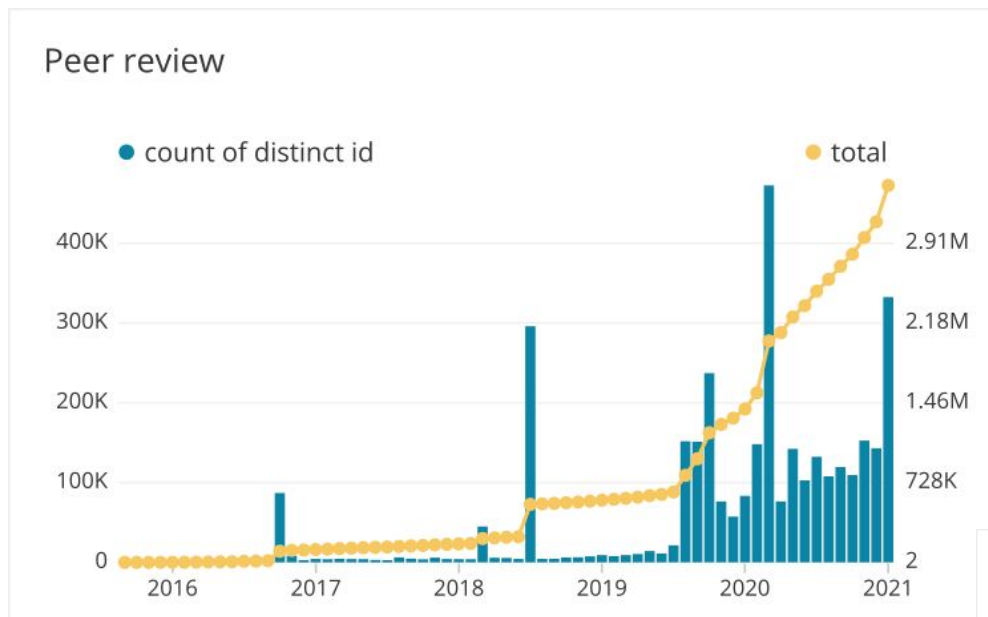
% Records with a work

21.5%

Members connecting works
 Scopus - Elsevier (25,395,077)
 ResearcherID (6,220,768)
 Crossref (5,250,282)
 Europe PubMed Central (3,402,718)
 Crossref Metadata Search (2,784,606)



Connecting peer review



Who is adding peer reviews?

client name	reviews	records
Publons	1,822,801	49,848
American Chemical Society	683,236	86,755
Springer Nature	640,150	296,552
Nature Publishing Group	58,631	41,711

[View all 45 rows](#)

Peer reviews

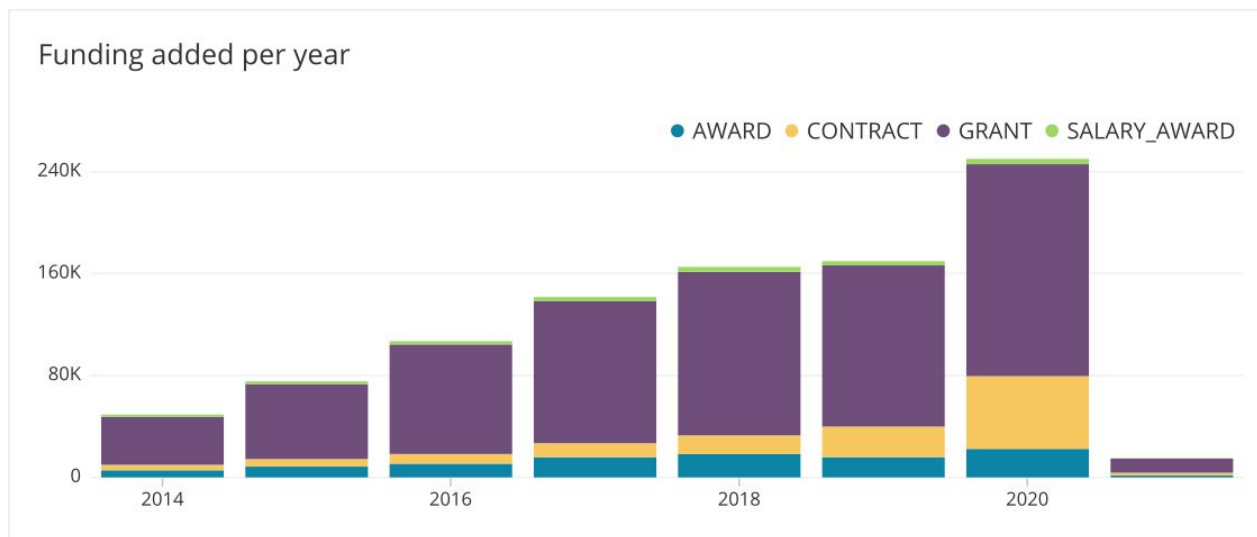
3,438,126

Records with peer review

4.5%



Connecting funding data



Funding items
966,931

Members connecting funding:




DimensionsWizard (255,285)
CIÊNCIAVITAE (83,144)

% records with funding

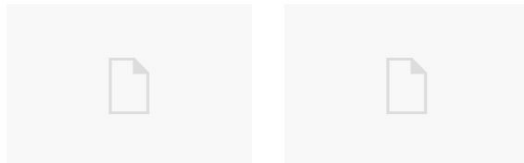
2.6%

Our Public Data File

By default, who should be able to see information added to your ORCID Record?

-  **Everyone** (87% of users choose this)
-  **Trusted parties** (5% of users choose this)
-  **Only me** (8% of users choose this)

- Email addresses private by default



ORCID-API-2.0_a...gz (31.53 GB)

ORCID-API-2.0_x...gz (6.39 GB)

Cite

Download all (37.93 GB)

Share

Embed

+ Collect (you need to log in first)

DataCite

Blackburn, Rob; Brown, Josh; Buys, Matthew; Calvo, Manuel; Cardoso, Ana; Demain, Paula; et al. (2018): ORCID Public Data File 2018. figshare. Dataset.

<https://doi.org/10.23640/07243.7234028.v1>

ORCID Public Data File 2018

- Creative Commons CC0 1.0
- Annually released during OA Week
- XML
- 2 files (record summary & full activities)

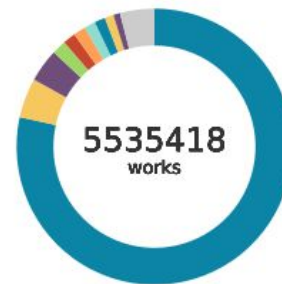


<https://orcid.org/content/orcid-public-data-file-use-policy>

Benefits for the community

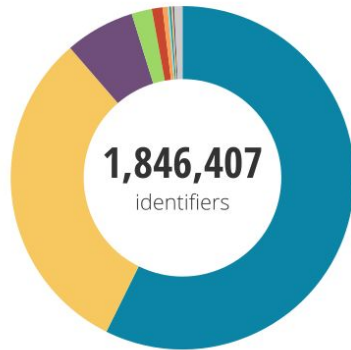
- Increased transparency
- Better and reusable metadata
- Robust research infrastructure

Metadata language



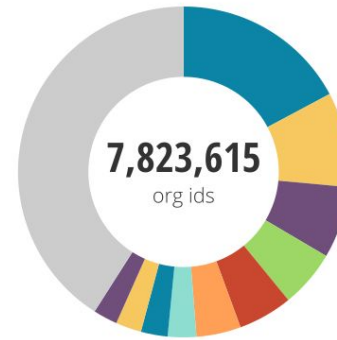
- 78.4% en
- 4.65% es
- 3.90% pt
- 1.66% da
- 1.49% de
- 1.44% ru
- 1.30% uk
- 1.26% pl
- 1.04% it
- 0.787% fi
- 4.03% Other

Person identifier types



- 57.3% Scopus Author ID
- 31.3% ResearcherID
- 6.6% Loop profile
- 1.9% Ciência ID
- 1.0% 中国科学家在线
- 0.5% Researcher Name Resolver ID
- 0.2% ISNI
- 0.2% Pitt ID
- 0.1% GND
- 0.1% Technical University of Denmark ...
- 0.8% Other

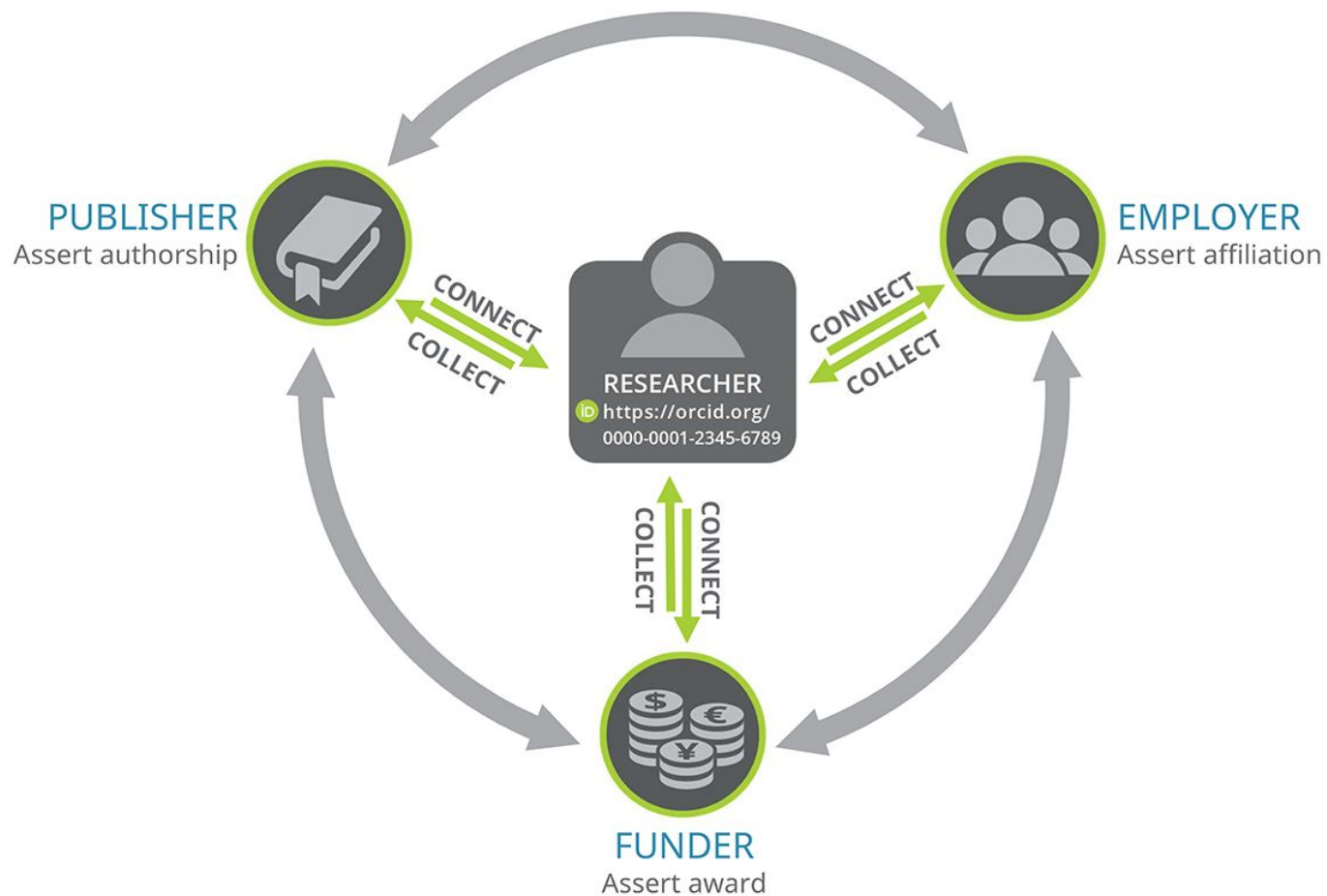
Affiliation countries



- 17.2% US
- 9.3% BR
- 7.0% GB
- 5.6% IN
- 5.3% CN
- 4.3% ES
- 2.8% AU
- 2.6% TR
- 2.5% DE
- 2.4% IT
- 41.0% Other

Join us!

INTEROPERABILITY ENTER ONCE
REUSE OFTEN



<https://orcid.org/about/membership>
<https://orcid.org/content/orcid-consortia>

Thank you!



Find out more at <https://members.orcid.org>

Support: <https://support.orcid.org/hc/en-us/requests/new>

Email g.mejias@orcid.org

Twitter [@gabioshka](https://twitter.com/gabioshka) / [@ORCID_org](https://twitter.com/ORCID_org)