



# Better Together - ORCID & ROR

*ORCID Webinar - April 2025*



# ROR + ORCID

Better Together: ORCID + ROR

April 16, 2025

Amanda French, ROR Technical  
Community Manager, Crossref

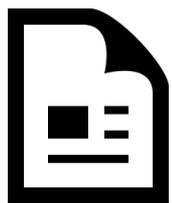


# ROR refresher

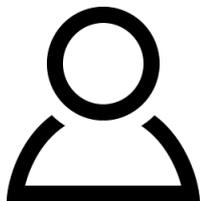
# What is ROR?

ROR, the Research Organization Registry, is a global, community-led registry of open persistent identifiers for research organizations.

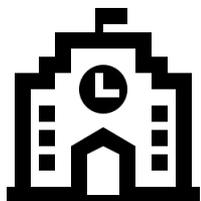
ROR is an established, trusted, widely adopted, no-cost service that is becoming a standard in scholarly communication and scholarly publishing.



DOI for research outputs



ORCID for researchers



ROR for research organizations

## Virginia Tech

### ORGANIZATION TYPES

Education, Funder

### OTHER NAMES

#### Labels

Institut polytechnique et université d'État de virginie (fr)

Instituto Politécnico y Universidad Estatal de Virginia (es)

#### Aliases

Virginia Polytechnic Institute and State University (en)

### RELATIONSHIPS

#### Child Organizations

Virginia Tech - Wake Forest University School of Biomedical Engineering & Sciences

Virginia-Maryland College of Veterinary Medicine

Virginia Tech Transportation Institute

Virginia Agricultural Experiment Station

#### Related Organizations

Carilion Roanoke Memorial Hospital

Hubbard Brook Long Term Ecological Research

McMurdo Dry Valleys Long Term Ecological Research

Virginia Coast Reserve Long Term Ecological Research

*Some record data is not displayed in this view. [See JSON view for full record data](#)*

*Record last modified 2024-12-11. Is there an issue with the data on this record? [Suggest a change](#)*

### LOCATIONS

Blacksburg (GeoNames ID [4747845](#)), United States

### WEBSITE

<https://www.vt.edu>

### OTHER IDENTIFIERS

GRID [grid.438526.e](#)

ISNI [0000 0001 0694 4940](#)

Crossref Funder ID [100007263](#)

Wikidata [Q65379](#)

Search and browse ROR records at  
<https://ror.org/search>

**ROR currently includes over 115,000 research organizations from around the world.**

**All ROR metadata is CC0 and is freely available as JSON & CSV and via a REST API.**

# The problem ROR solves

Articles

1-10 of 2232 results for 'Virginia Tech' ←

Select all   Export selected citations   [Edit search](#) ▾

 Restricted access | Research article | First published Mar 1, 20

[A Digital Library for Recovery, Research, and Learning From April 1997 to 2000](#)

Edward A. Fox, Christopher Andrews, Weiguo Fan, Jian Jiao, Ananya Kasraee, David M. St. Pierre, et al.

Traumatology

[Preview abstract](#) ▾

 Restricted access | Research article | First published Sep 1, 20

[Test Road Experiment on Imminent Warning Rear Lighting and Signal](#)

Walter W. Wierwille, Suzanne E. Lee, Maryanne C. DeHart, Michael Perel, et al.

Human Factors

[Preview abstract](#) ▾

Articles

1-10 of 2899 results for 'Virginia Polytechnic' ←

Select all   Export selected citations   [Edit search](#) ▾

 Restricted access | Research article | First published Feb 1, 19

[Reaction Spinning of Polymethylmethacrylate Fibers](#)

Siu Yuen Fok, Richard A. Mickles, Richard G. Griskey

Textile Research Journal

[Preview abstract](#) ▾

 Restricted access | Research article | First published Jan 1, 19

[The Effects of the Safe-sun Program on Patrons' and Lifeguards' at Swimming Pools](#)

Richard A. Winnett, Bonnie L. Cleaveland, Deborah F. Tate, David N. Lomt, et al.

Journal of Health Psychology

# The problem ROR solves

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[View all articles by this author](#)

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[View all articles by this author](#)



**Richard A. Hunt, Ph.D.**

ORCID

Name  
Richard Hunt

Activities [Collapse all](#)

▼ Employment (2) [Sort](#)

**Virginia Tech: Blacksburg, US**

2021 to present | Associate Professor (Management)  
Employment [Show less detail](#)

**Organization identifiers**  
ROR: <https://ror.org/02smfhw86>  
Virginia Tech: Blacksburg, US  
<https://www.vt.edu/about/index.html>

**Tianzi Wang**

ORCID

Activities [Collapse all](#)

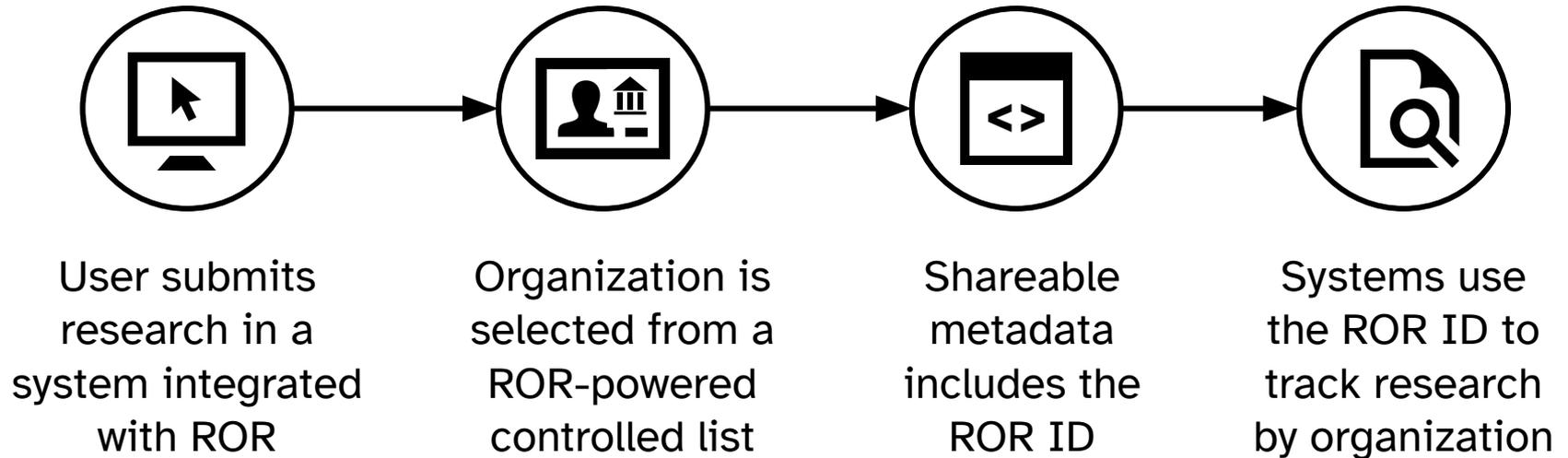
▼ Education and qualifications (1) [Sort](#)

**Virginia Tech: Blacksburg, Virginia, US**

2016 to 2019 | MS (Grado Department of Industrial and Systems Engineering)  
Education [Show less detail](#)

**Organization identifiers**  
ROR: <https://ror.org/02smfhw86>  
Virginia Tech: Blacksburg, US  
<https://www.vt.edu/about/index.html>

# ROR is designed for research workflows



# ROR is noncommercial and sustainable

- ROR is operated as a collaborative initiative by the California Digital Library, Crossref, and DataCite as part of each organization's ongoing operational budget.
- ROR does not depend on grants or on fees, and it cannot be transferred to a commercial entity.
- ROR is committed to following the [Principles of Open Scholarly Infrastructure](#) (POSI).



**CDL**  
California Digital Library



**Crossref**



**DataCite**

A white lion and its cub are shown in profile, resting on a large, textured rock. The lion is on the left, and the cub is on the right, leaning its head against the lion's neck. The background is a blurred savanna landscape with sparse trees and a clear sky. A white horizontal bar is overlaid on the image, containing the text. A solid green vertical bar is on the far left side of the image.

**ORCID has been a ROR model and supporter**

# History of ROR

2016-2018

2019

2019-2022

2023-2024

2025->



Pre-ROR

Launch of ROR

Startup phase

Expansion phase

Present & future

<https://ror.org/about/history/>

# ORCID was crucial in developing ROR

- Between 2016 and 2018, ORCID was a key partner in the "Org ID" initiative, helping define requirements for an open, community-led organization identifier registry
- In 2018, ORCID worked with DataCite and Crossref to draft a proposal for a pilot that met the Org ID requirements
- ORCID, DataCite, Crossref, and CDL formed a Steering Group to implement the pilot, which launched as ROR in January 2019
- More generally, ORCID's success helped educate the research information community about identifiers beyond the DOI, paving the way for adoption of ROR

# ORCID adopted ROR in 2021

## ORCID Integrates ROR

Home > Blog > ORCID Integrates ROR

By [Tom Demeranville](#), [Paula Demain](#), [Dan Dineen](#) | October 22, 2021

<https://doi.org/10.71938/jspc-9949>

Also posted at <https://info.orcid.org/add-research-institution-identifiers-with-ror/>

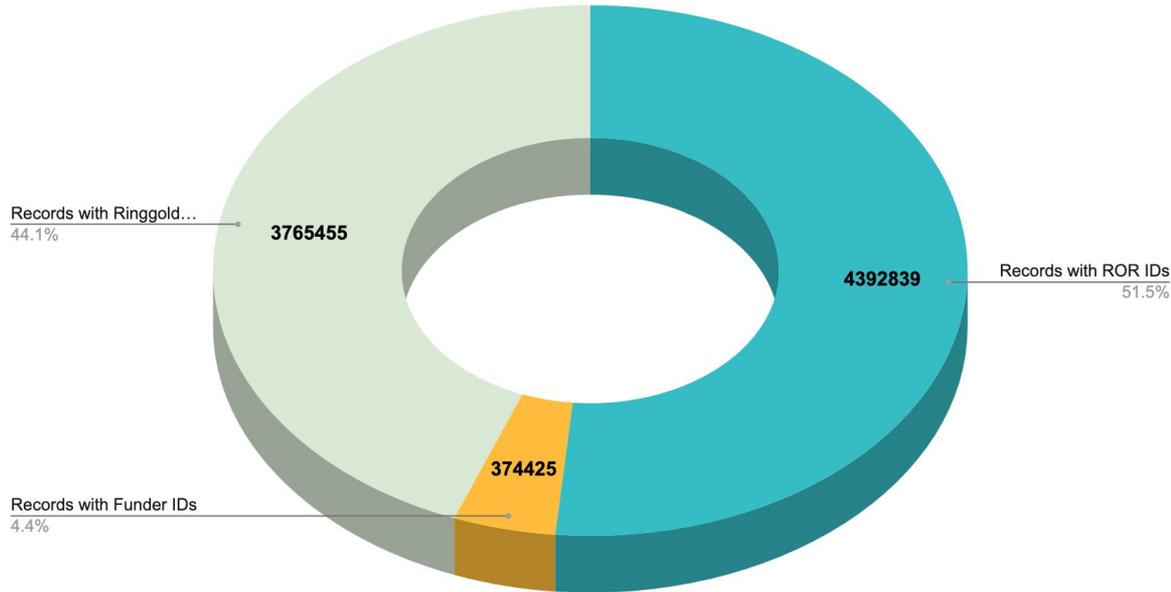
### Add Research Institution Identifiers with ROR!

As part of our ongoing commitment to increase value to our researchers and our members, we are pleased to announce that the **Research Organization Registry (ROR)** has been added to the ORCID Registry as a disambiguated Organization ID. ROR can now be used with the API and our Affiliation Manager to record research institution identifiers and metadata, thus making it easier to track the impact of institutional research. ORCID's own staff affiliations have now been updated to include a ROR ID!

<https://doi.org/10.71938/jspc-9949>

## ORCID organization identifiers by ID type

From ORCID records with organization identifiers within the past two weeks



**More than half of  
ORCID records now  
have at least one  
ROR ID**

<https://bit.ly/ror-doi-orcid-stats>

# ORCID is a sustaining supporter of ROR – thank you!



The screenshot shows the ORCID website header with the logo and navigation menu. The main article title is "ORCID Increases Financial Support for ROR" by ÉLAN YOUNG, dated July 18, 2023. The article text discusses ORCID's financial commitment to the Research Organization Registry (ROR) and highlights that ROR data is freely and openly available. An image of a computer monitor displaying the ROR website is included.

**ORCID**  
Connecting research and researchers

Sign in to ORCID Don't have an ORCID Record yet? Register with ORCID English

ABOUT FOR RESEARCHERS MEMBERSHIP DOCUMENTATION RESOURCES NEWS & EVENTS

## ORCID Increases Financial Support for ROR

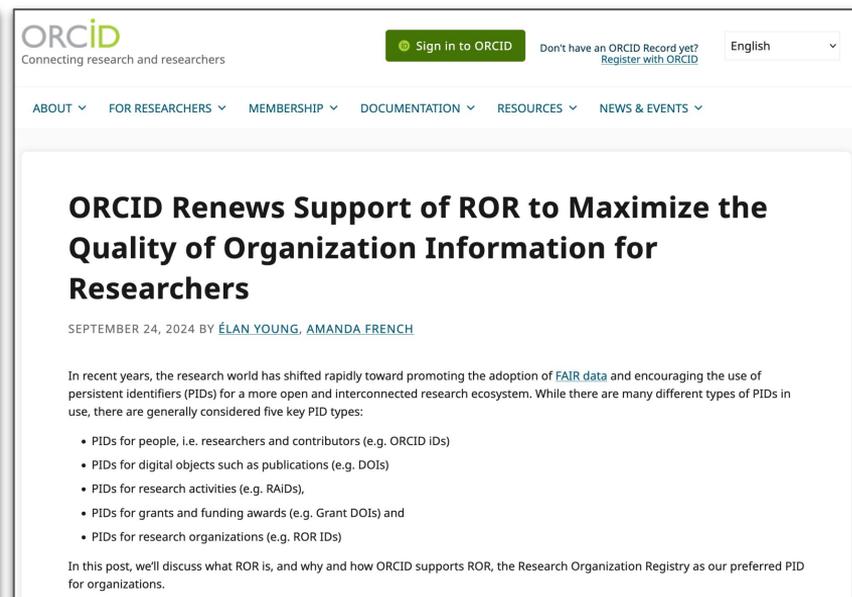
JULY 18, 2023 BY [ÉLAN YOUNG](#)

As use cases build in the global research ecosystem around persistent identifiers (PIDs) for research organizations, ORCID has recently increased its financial commitment to the first and only openly available organization identifier—[Research Organization Registry \(ROR\)](#).

Like ORCID, ROR operates an open, community-driven, noncommercial PID registry that is part of the interconnected network of global scholarly infrastructure. However, instead of disambiguating people as ORCID does, ROR disambiguates institution names, captures affiliations, links affiliation metadata to research outputs, and exchanges affiliation information across scholarly systems, making it an indispensable component of a research ecosystem that connects researchers with their research. ROR data is freely and openly available for anyone to use. As a demonstration of our intention to help ensure ROR's success well into the future, ORCID recently increased its financial support of ROR by contributing \$100,000 towards its sustenance and growth. We expect to be able to continue our annual support of ROR at this level for the foreseeable future.



<https://info.orcid.org/orcid-increases-financial-support-for-ror/>



The screenshot shows the ORCID website header with the logo and navigation menu. The main article title is "ORCID Renews Support of ROR to Maximize the Quality of Organization Information for Researchers" by ÉLAN YOUNG and AMANDA FRENCH, dated September 24, 2024. The article text discusses the research world's shift towards promoting the adoption of FAIR data and lists five key PID types: people, digital objects, research activities, grants and funding awards, and research organizations.

**ORCID**  
Connecting research and researchers

Sign in to ORCID Don't have an ORCID Record yet? Register with ORCID English

ABOUT FOR RESEARCHERS MEMBERSHIP DOCUMENTATION RESOURCES NEWS & EVENTS

## ORCID Renews Support of ROR to Maximize the Quality of Organization Information for Researchers

SEPTEMBER 24, 2024 BY [ÉLAN YOUNG](#), [AMANDA FRENCH](#)

In recent years, the research world has shifted rapidly toward promoting the adoption of [FAIR data](#) and encouraging the use of persistent identifiers (PIDs) for a more open and interconnected research ecosystem. While there are many different types of PIDs in use, there are generally considered five key PID types:

- PIDs for people, i.e. researchers and contributors (e.g. ORCID IDs)
- PIDs for digital objects such as publications (e.g. DOIs)
- PIDs for research activities (e.g. RAIDs),
- PIDs for grants and funding awards (e.g. Grant DOIs) and
- PIDs for research organizations (e.g. ROR IDs)

In this post, we'll discuss what ROR is, and why and how ORCID supports ROR, the Research Organization Registry as our preferred PID for organizations.

<https://info.orcid.org/orcid-renews-support-of-ror-to-maximize-the-quality-of-organization-information-for-researchers/>

A group of lionesses is shown in a savanna landscape. One lioness is perched on a small mound of earth in the center, while others are scattered around her, some sitting and some standing. The background features a flat horizon with several acacia trees under a clear sky. A white horizontal bar with black text is superimposed over the middle of the image. A solid green vertical bar is on the left side.

**Many systems use ROR + ORCID**

# Key systems use ROR

- Core infrastructure services
  - ◆ Crossref
  - ◆ DataCite
  - ◆ ORCID
- Knowledge graphs and large indexes
  - ◆ Web of Science
  - ◆ OpenAlex
  - ◆ The Lens
  - ◆ Europe PMC
- Repository systems
  - ◆ Dryad
  - ◆ Zenodo
  - ◆ Figshare
  - ◆ DSpace
- Publishing systems
  - ◆ Open Journal Systems (OJS)
  - ◆ Scholastica
  - ◆ Atypon (forthcoming)
- ... and more!

<https://ror.org/community/#adopters>

# Systems use ROR for affiliation lookups

Authors All progress saved

Drag ☰ to reorder

☰ First name: Amanda  
Last name: French

ⓘ Given name ⓘ Family name

Institutional affiliation  
Find as you type...

ⓘ Employer or sponsor

Email address  
afrench@crossref.org  Publish email  
name@institution.org ⓘ  [0000-0002-4325-1809](#) ⓘ

+ Add group author /



ROR invisibly powers the "Institutional affiliation" lookup in Dryad, and users also log in with ORCID

# Systems use ROR for affiliation lookups

PUBLISHING / ARTICLES / EDIT ARTICLE / AUTHORS

In the article, authors will be displayed in the order they are added. You can reorder authors by dragging and rearranging the boxes below.

**Author type\***  
Person ?

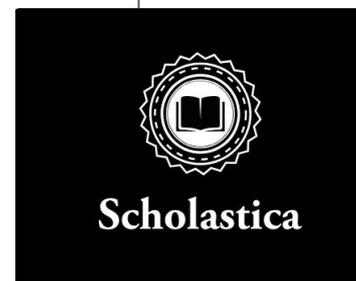
**First Name (and middle initial if used) \*** Rishi  
**Last Name \*** Sunak  
**Suffix** Select... ▾

**Institution**  
  
**Department**

+ Add another affiliation (affiliations will be displayed in the order entered)

**ORCID ID** 0000-0002-3843-3472  
**Link** https://www.example.com/jane-doe

**Degrees**  
Separate degrees using commas (e.g. Ph.D., M.D)



ROR invisibly powers the "Institution" lookup in Scholastica, and there is also a field for author ORCID ID

# Systems use ROR for affiliation lookups

**Add Contributor**

Bio Statement (e.g., department and rank)

B I x<sup>2</sup> x<sub>2</sub>

**Affiliations**  
Enter the full name of the institution below, avoiding any acronyms. Select the name from the dropdown and click "Add" to include the affiliation in your profile. (e.g. "Simon Fraser University")

INSTITUTION	MORE INFORMATION
Type the institute name in English	
<input type="text" value="Simon Fraser Univer "/>	
<input type="checkbox"/> Simon Fraser Univer	
<input type="checkbox"/> Simon Fraser University	
<input type="checkbox"/> Universidad Univer	
<input type="checkbox"/> Fraser Health	
<input type="checkbox"/> Fraser Institute	
<input type="checkbox"/> Fraser Research	
<input checked="" type="checkbox"/> West Fraser (Canada)	
<input type="checkbox"/> University of the Fraser Valley	
<input type="checkbox"/> Simón Bolívar Universiv	



ROR "Institution" lookups for Contributors will be a core feature of OJS 3.5, due out later in 2025

# Systems extract ROR IDs from ORCID

```
▼ <entry xml:lang="en-us">
  <title xml:lang="en-us"> Highlights from the 2025 ROR Annual Community Meeting </title>
  <id> https://doi.org/10.71938/9f0g-9791 </id>
  <link rel="alternate" href="https://ror.org/blog/2025-02-11-ror-annual-meeting-highlights/" />
  <published> 2025-02-19T00:00:00+00:00 </published>
  <updated> 2025-04-09T12:48:37-04:00 </updated>
  <author>
    <name> Amanda French </name>
    <uri> https://orcid.org/0000-0002-4325-1809 </uri>
  </author>
  <category term="Event Recaps" />
  ▶ <content type="html" xml:base="https://ror.org/" xml:lang="en-us">
    <summary type="html" xml:base="https://ror.org/" xml:lang="en-us">
      Highlights of the 2025 ROR annual meeting sessions, including the Community Update, the
      panel on National PID Policies and Practices, and the session on Successes and
      Opportunities for ROR in the Asia-Pacific Region.
    </summary>
  </entry>
  <entry xml:lang="en-us">
    <title xml:lang="en-us"> Faster Affiliation Matching at Scale </title>
    <id> https://doi.org/10.71938/mtx2-vb16 </id>
    <link rel="alternate" href="https://ror.org/blog/2025-01-27-faster-affiliation-matching/" />
    <published> 2025-01-27T09:14:38-05:00 </published>
    <updated> 2025-04-09T12:48:37-04:00 </updated>
    <author>
      <name> Adam Buttrick </name>
      <uri> https://orcid.org/0000-0003-1507-1031 </uri>
    </author>
    <category term="Adoption News" />
    ▶ <content type="html" xml:base="https://ror.org/" xml:lang="en-us">
      <summary type="html" xml:base="https://ror.org/" xml:lang="en-us">
        OpenAlex has added a new metadata matching strategy co-developed by ROR and Crossref to its
        affiliation matching processes: ROR is also investigating the prospect of incorporating
        this new matching strategy into the ROR API in 2025.
      </summary>
    </entry>
```

Affiliated with Crossref

Affiliated with CDL / UC  
Office of the President

## Author affiliations

University of California Office of  
the President

45

Crossref

31

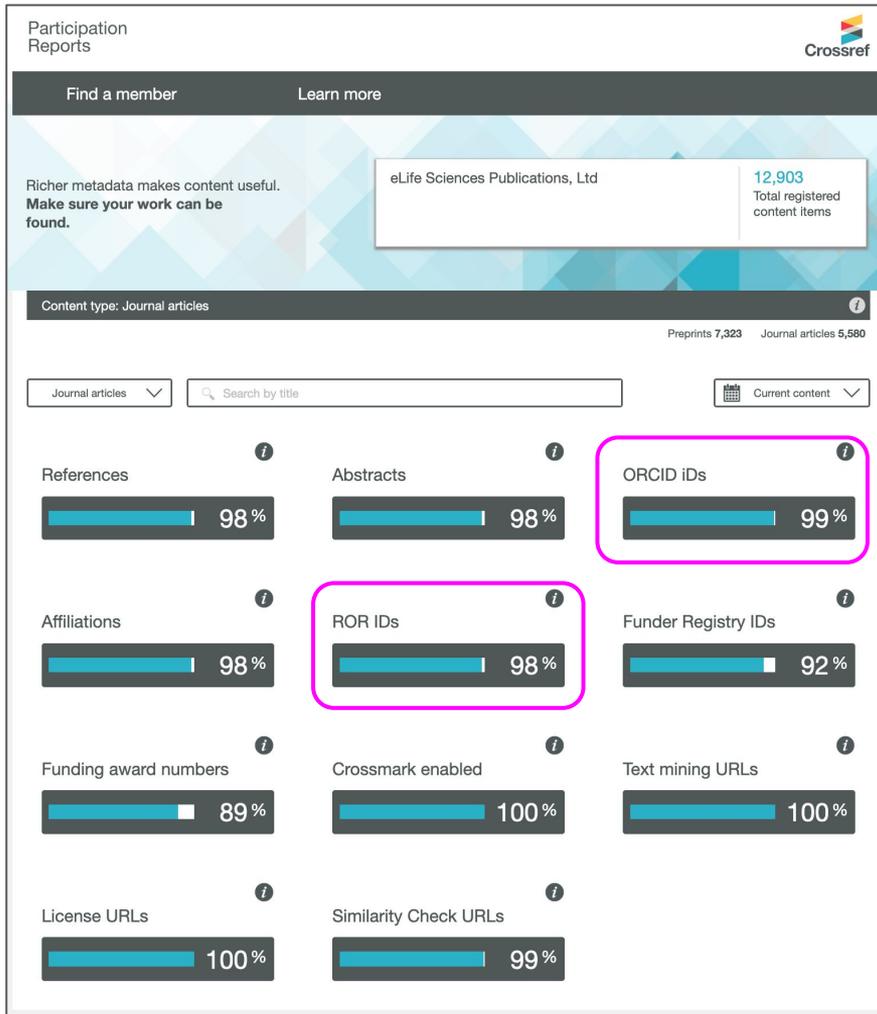
DataCite

7



# The Rogue Scholar

<https://rogue-scholar.org>



## ROR and ORCID are key measures for Crossref metadata

Crossref Participation Reports - <https://crossref.org/members/rep>

# ORCID



# Let's chat about ORCID and ROR

1. Intro to ORCID
2. Connections
  - a. Affiliations and activities
  - b. Email domains
3. Use cases
  - a. Reporting
  - b. Research Integrity
4. Q&A





**ORCID's mission** is to enable transparent and trustworthy connections between researchers, their contributions, and their affiliations by providing a unique, persistent identifier for individuals to use as they engage in research, scholarship, and innovation activities.

*We've been doing this since 2012*

# ORCID provides three main services



## The ORCID iD

A unique, persistent identifier free of charge to researchers

---



## An ORCID record

A digital cv/profile connected to the ORCID iD, that can include employment, education, funding, peer review, research output and other metadata

---



## The ORCID APIs

A set of *Application Programming Interfaces* (APIs), as well as the services and support of communities of practice enabling interoperability between an ORCID record and member organizations

# ORCID solves name ambiguity for people



**Mark Burnley**  
@DrMarkBurnley



Follow

"I'm the 38th author..."

"Wow, that sucks."

"I hadn't finished. I'm the 38th author called  
"Wang"."

"Oh."

[ncbi.nlm.nih.gov/pubmed/26799652](https://pubmed.ncbi.nlm.nih.gov/26799652)

RETWEETS

**611**

LIKES

**479**



7:47 AM - 9 Feb 2016



<https://pubmed.ncbi.nlm.nih.gov/26799652/>

# ROR solves name ambiguity for organisations

**The renaming of two universities in the north-west of England has prompted a backlash from other institutions in the area, who say they are concerned about potential confusion.**

The University of Central Lancashire (Uclan), which is based in Preston, will change its name to the University of Lancashire.

Meanwhile, the University of Bolton is to be renamed the University of Greater Manchester.

The Office for Students (OfS), which is the independent regulator of higher education in England, approved both rebrands earlier.

However, the University of Lancaster, which is based 20 miles away from Uclan, said it was "disappointed" at the ruling after submitting "evidence pointing at brand confusion with the name, particularly among employers and international students".

The University of Manchester, based about 15 miles away from the Bolton institution, also described the latter's name switch as "very misleading and confusing".

# ORCID and ROR are Persistent Identifiers (PIDs)



## Globally unique

Each PID resolves to one entity, be it a dataset, person, journal article, project or book.

*They uniquely identify things.*



## Persistent

The 'P' in PID. Persistent identifiers stick around. They're not reassigned, they're well governed, and technically resilient.

*They're stable and reliable.*



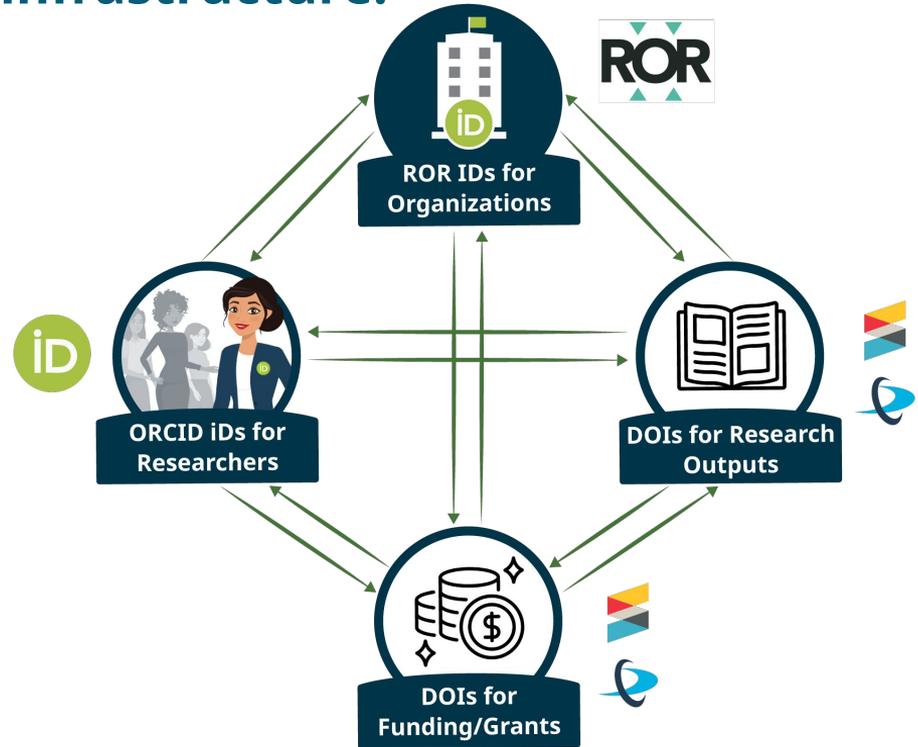
## Resolvable by humans *and* machines

PIDs are easily made into URLs, with landing pages and underlying metadata.

*They're FAIR (Findable, Accessible, Interoperable, and Reusable).*

# Persistent identifiers (PIDs) and their associated metadata are the building blocks of open research infrastructure.

- PIDs enable entities in the research ecosystem (people, places and objects) to be **uniquely identified and connected**, to create **reliable links** between them.
- When using PIDs, metadata about **organizations, people and objects flows reliably** between systems/platforms, forming the building blocks of an open research infrastructure.



# Connections



# 1. ROR data helps users find and enter their affiliations

Researchers can find their affiliation using any language or acronym that's in the ROR data

 <https://ror.org/010gxg263>

---

**Université du Québec**

**OTHER NAMES:** University of Quebec (en)

**ORGANIZATION TYPES**  
Education

**LOCATIONS**  
Québec (GeoNames ID 6325494), Canada

**WEBSITE**  
<http://www.uquebec.ca>

**OTHER IDENTIFIERS**  
GRID [grid.265695.b](https://www.grid.ac/details/grid.265695.b)  
ISNI [0000 0001 2181 0916](https://www.isni.org/0000-0001-2181-0916)  
Wikidata [Q326282](https://www.wikidata.org/wiki/Q326282)



**Employment** ✕

**Organization** \* Required information [Organization](#)

---

**Organization \***

University of Quebec ✕

University of Quebec  
Québec CA

Université du Québec  
Québec CA

University of Quebec at Montreal  
Montreal CA

Université du Québec à Montréal  
Montréal CA

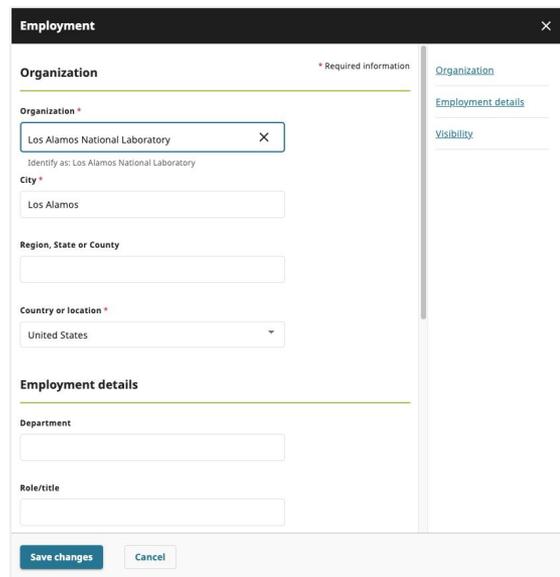
Select a country or location ▼

[Employment details](#)

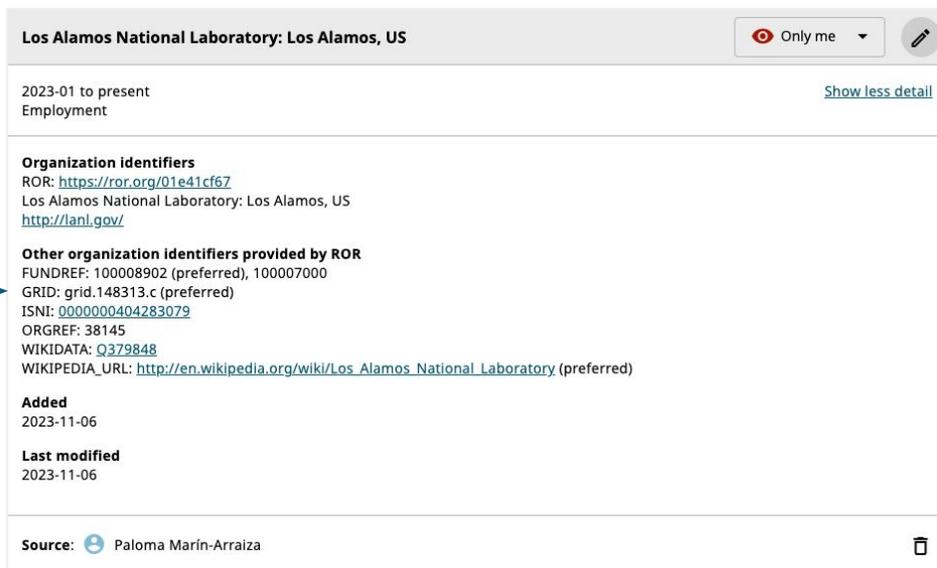
[Visibility](#)

## 2. ORCID uses ROR IDs as the default organisation ID

When researchers add affiliations and professional activities to their record, ROR IDs are used and shared with other ORCID users



The screenshot shows the 'Employment' form in ORCID. The 'Organization' section is highlighted with a green border. The 'Organization' dropdown menu is open, showing 'Los Alamos National Laboratory' selected. Below it, the 'City' field is filled with 'Los Alamos'. The 'Region, State or County' field is empty. The 'Country or location' dropdown is set to 'United States'. The 'Employment details' section has empty fields for 'Department' and 'Role/title'. At the bottom, there are 'Save changes' and 'Cancel' buttons.



The screenshot shows the details page for 'Los Alamos National Laboratory: Los Alamos, US'. The page has a header with the organization name and a 'Only me' visibility dropdown. The main content area is divided into sections: '2023-01 to present Employment' with a 'Show less detail' link; 'Organization identifiers' listing ROR, Los Alamos National Laboratory, and LANL URLs; 'Other organization identifiers provided by ROR' listing FUNDREF, GRID, ISNI, ORGREF, WIKIDATA, and WIKIPEDIA\_URL; 'Added' (2023-11-06) and 'Last modified' (2023-11-06) dates; and 'Source' (Paloma Marín-Arraiza) with a trash icon.

# 3. Researchers can share professional email domains

- We processed the ROR datafile to match email domains to ROR IDs.
- Researchers that verify their email address can share their professional email address as a trust marker on their ORCID record.



This provides the ability for researchers to add a **'trust marker'** to their record that can be used to help in decision making across different workflows

**Emails & domains**

Having multiple email addresses helps you maintain access to your ORCID record. A mix of personal and professional email addresses works best.

**Email addresses**

- ✓ **dan@email.com**  
Verified email address Everyone
- contact@email.com  
[Resend verification email](#) Only me
- ✓ **d.dineen@universityoflearning.ac.uk**  
Verified email address Trusted

[+ Add another email address](#)

**Verified email domains**

When you verify a professional email address we will add the associated domain to your record. You can choose to show an email domain on your public record instead of the full email address. [Find out more about verified email domains](#)

- ✓ **universityoflearning.ac.uk**  
Verified email domain Trusted

**Email notifications**

Which email address should we send your ORCID notifications to? You can change the frequency of these notification emails in [your ORCID account settings](#).

dan@email.com

[Save changes](#) [Cancel](#)

# 4. Email domain data makes registration easier

**iD**

### Create your ORCID iD

Step 1 of 5 - Names and emails

Per ORCID's [terms of use](#), you may only register for an ORCID iD for yourself. Already have an ORCID iD? [Sign in](#)

**Your names**

**Given names**

**Family names (Optional)**

**Your email addresses**

**Email**

**This looks like a professional email**

We recommend adding a **personal email** as backup so you always have access to your ORCID account if you change jobs or roles.

**Additional email (Optional)**

**Next step**

[Cancel registration](#)

## Step 1

We identify 'Professional' email addresses, and prompt users to include both a personal and professional email address when creating their record

**iD**

### Create your ORCID iD

Step 3 of 5 - Current employment

Adding a current employment affiliation helps distinguish you from other researchers with a similar name.

**Current employment**

**Affiliation found**

Based on your emails we think you are currently affiliated with **ORCID**. We've pre-selected this organization for you in the form below.

When you complete registration an employment affiliation will be automatically added to your new ORCID record.

**Organization**

  
Bethesda, US

**Department (Optional)**

**Role/Job title (Optional)**

**Start date (Optional)**

Year  / Month

**Next step**

[Skip this step without adding an affiliation](#)

[Previous step](#)

## Step 2

We match researcher email domains to ROR IDs and suggest affiliations when creating records



## 5. ORCID member organizations add validated org info

When an ORCID member updates an ORCID record, they can include ROR IDs for organisations:

- Research organisations add affiliations
- Funders add funding items
- Publishers add editorships and reviews

University of Oxford: Oxford,  
Oxfordshire, GB

(Nuffield Department of Population Health)  
Employment

[Show more detail](#)

Source:  ORCID Integration at the University of Oxford



These provide **'trust markers'** that can be used to help in decision making.

# Result - ROR affiliations are growing

- **7.3 million** affiliations
- **5.1 million** records associated with a ROR
- **75,000** ROR IDs in use
- In 2024 we doubled the number of affiliations added!

Yearly affiliations with Org IDs 📉



# Result - Researchers register and share their domains

Active records with professional email domains



① Improved suggestions interface

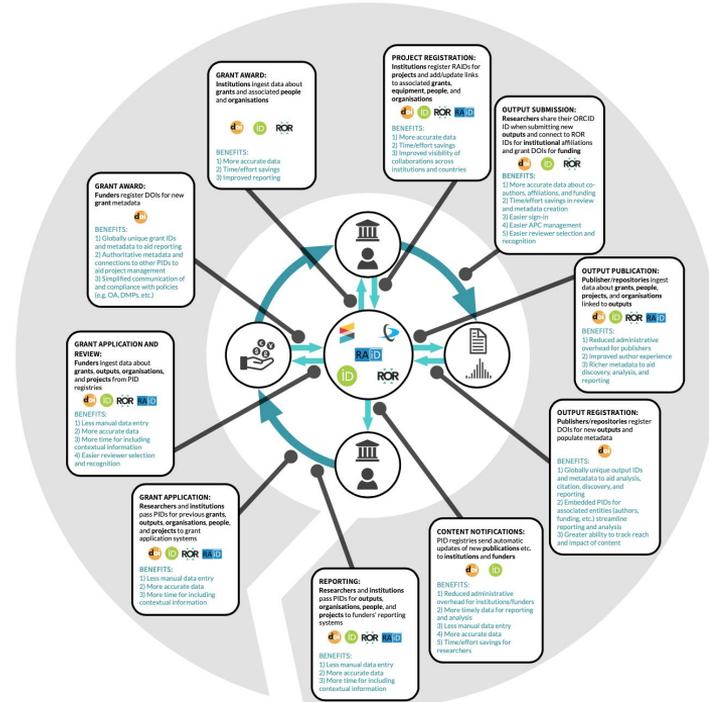
② Improved matching algorithm

# Use cases

# ORCID and ROR data are re-used by many systems

- They're used to help automatically fill out forms and reduce admin burden
  - During submission, grant applications and interviews
- They're used to aid reporting and discovery
  - Ingested by funder, research organisation and publisher systems
  - Ingested by aggregation systems
  - Embedded in publication metadata
  - Used to provide reporting for ORCID members
  - And of course available in our API and data files for other uses
- They're used to aid Research Integrity checking
  - Human readable RORs and associated provenance information in our UI
  - Available as trust markers in our summary UI
  - Processed by other integrity checking tools via our APIs

# The promise of PIDs



PIDs can be used throughout the research lifecycle. From grant application, review and award, during the research phase, and all the way through to publication, reporting outcomes and reuse.

- PIDs delivers value at every stage... if implemented
- ORCID, DOIs and RORs are mature and ubiquitous... RAID, Grant IDs etc are catching up
- We're on a journey... and our success depends on the community.

It's estimated that ubiquitous priority PIDs to provide automation and remove the need to re-key data could save the UK higher education sector £45 million over a five-year period, and Australia A\$24m dollars a year.