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Lyrasis®

ORCID for Funders

Hosted by the Health Research Alliance, with
ORCID & the ORCID US Community consortium

March 25, 2024

Agenda

- Overview of ORCID and the ORCID US Community
- Benefits of ORCID membership for funders
- ORCID in the Global Landscape
- Questions & Discussions

Introductions

Sheila Rabun

https://orcid.org/0000-0002-1196-6279

Senior Strategist, Research Infrastructure Programs, Lyrasis

Paolo P. Gujilde

https://orcid.org/0000-0002-9758-5740

Strategist, ORCID US Community, Lyrasis

Introductions

Kaela Ramhit

https://orcid.org/0009-0007-9013-5775

Program Assistant, ORCID US Community

Shawna Sadler

https://orcid.org/0000-0002-6103-5034

Engagement Manager, Outreach & Partnerships, ORCID

ORCID and the ORCID US Community

What is ORCID?: ORCID iD

The ORCID iD: a unique, persistent identifier free of charge to researchers

ORCID provides free, unique identifiers for researchers.

Sofia Maria Hernandez Garcia https://orcid.org/0000-0001-5727-2427

Uniquely identify your researchers

Many researchers have the same name

But their ORCID iDs are different…

Uniquely identify your researchers

Some researchers' names change over time, or they use different variations of their name over time

ORCID
Connecting research and researchers

Sofia Maria Hernandez Garcia

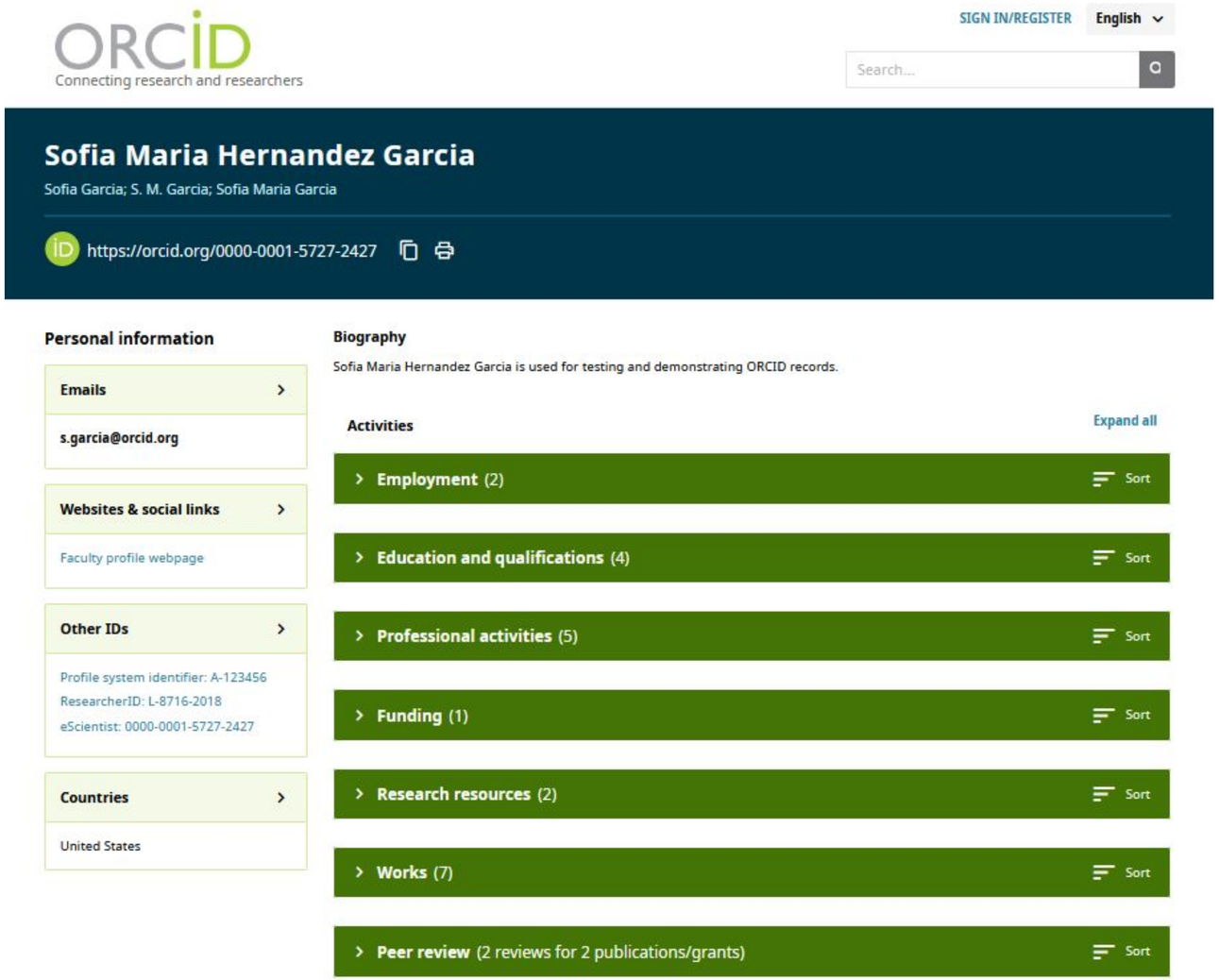
Sofia Garcia; S. M. Garcia; Sofia Maria Garcia

https://orcid.org/0000-0001-5727-2427

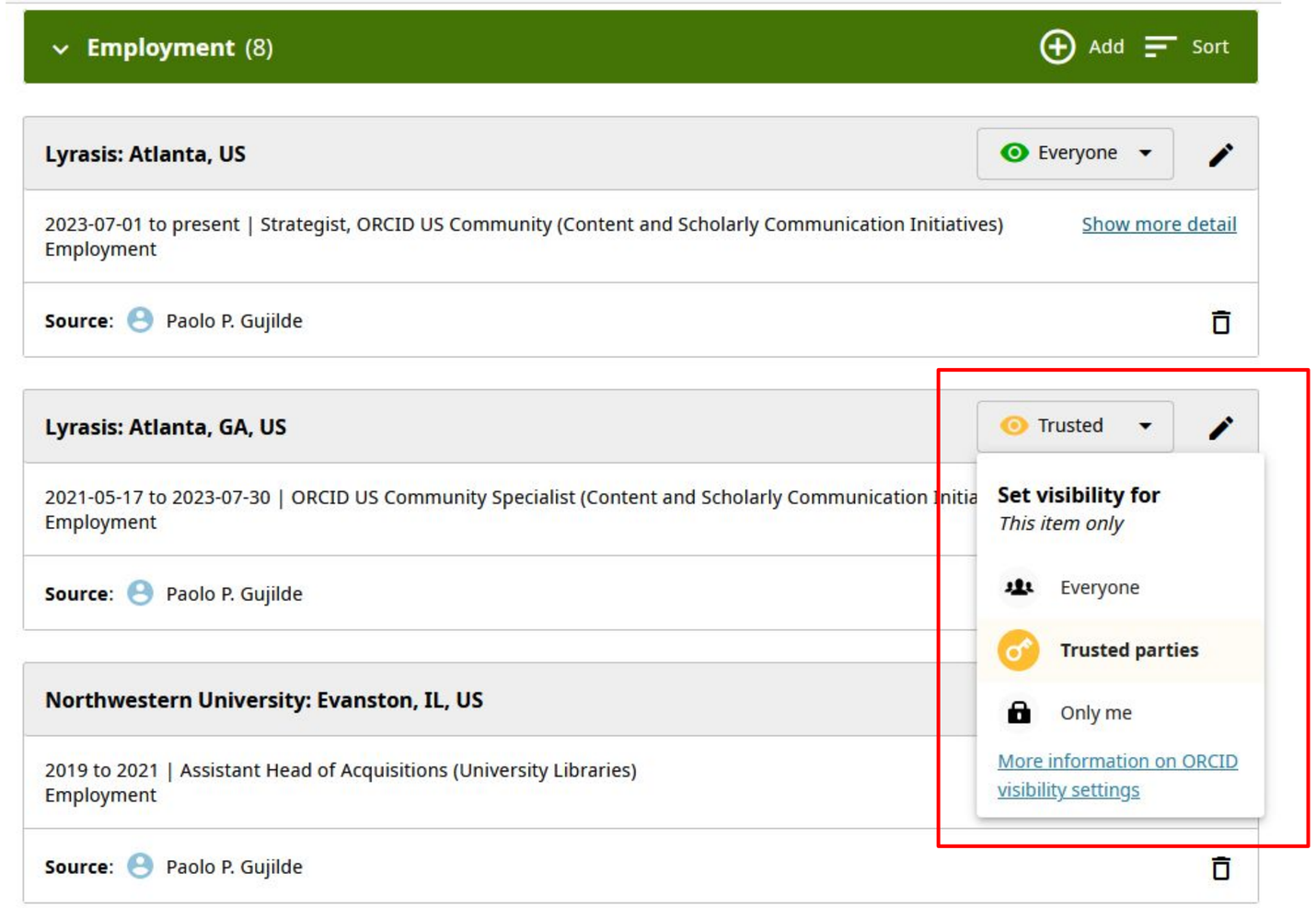
What is ORCID?: ORCID Record

An **ORCID record** connected to the ORCID iD

Serves as a central place for researchers to keep their information, similar to what you would see on a CV or resume



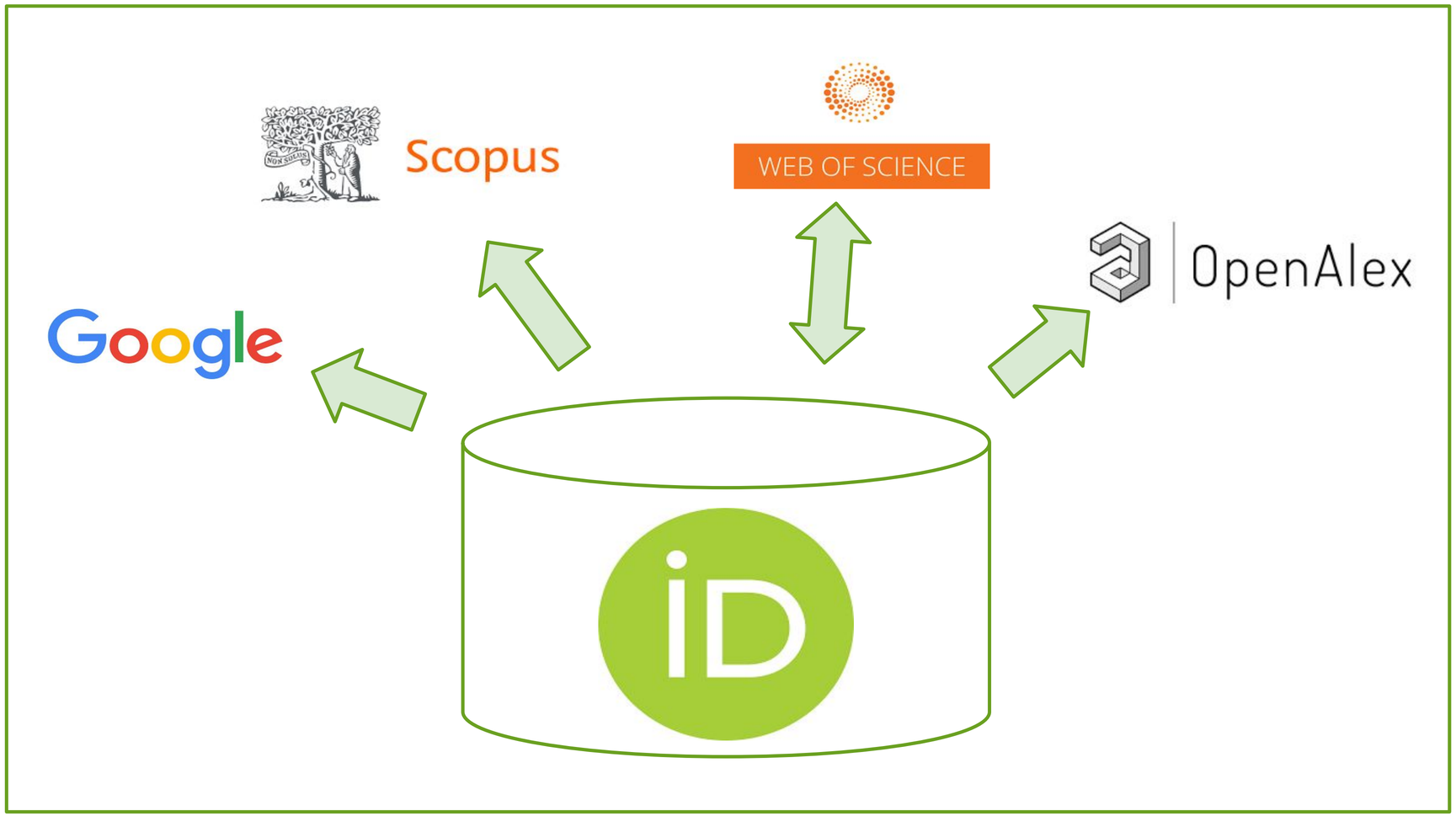
Full control



Researchers have full control over visibility of their data.

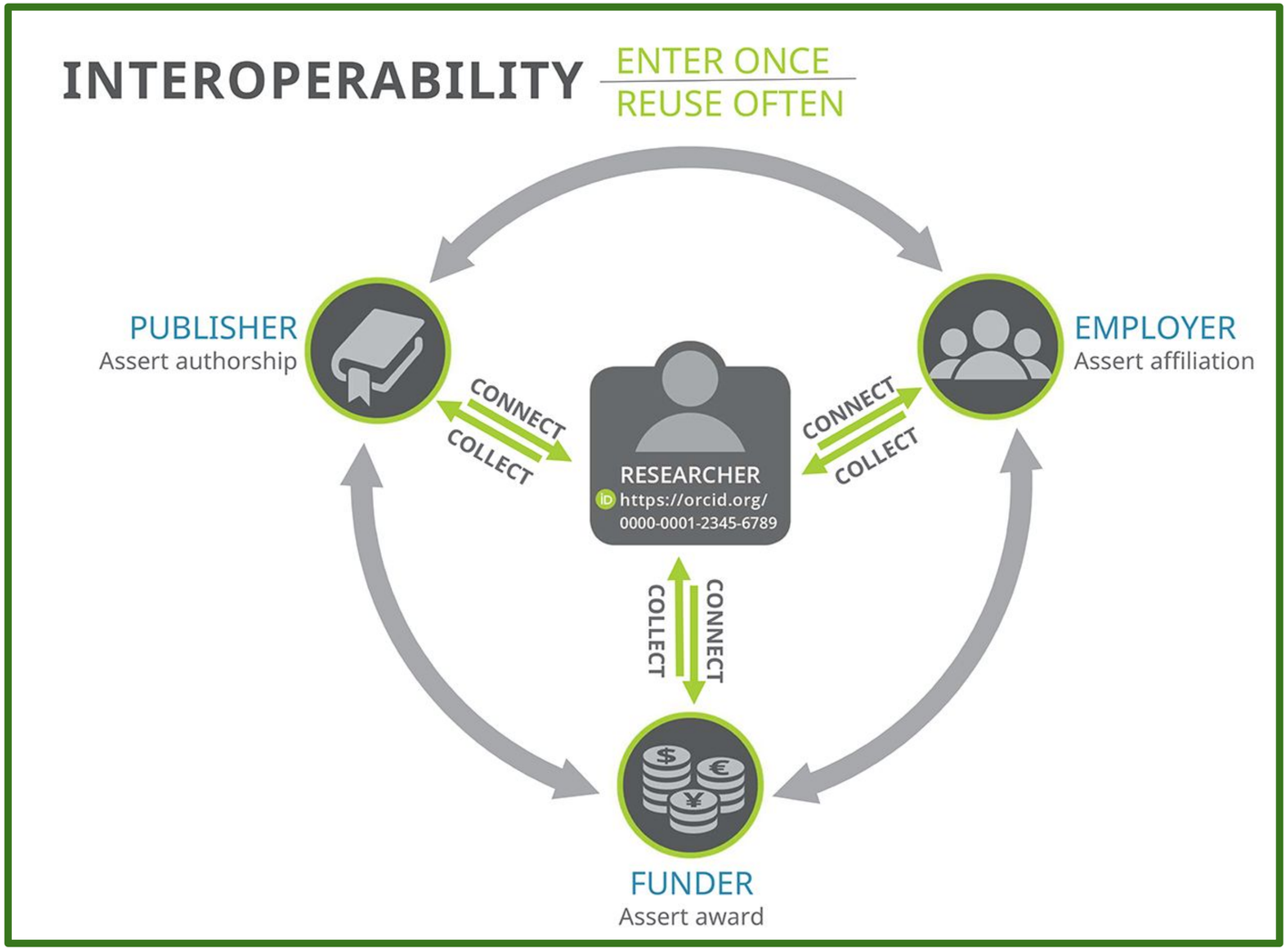
Increase your visibility by registering for an ORCID iD and populating your record

When **researchers' activities and works are linked to their ORCID record**, they can be more **discoverable** in the wider scholarly communication ecosystem.



What is ORCID?: ORCID API

A set of **Application Programming Interfaces (APIs)**, as well as the services and support of communities of practice that enable interoperability between an ORCID record and member organizations so researchers can choose to allow connection of their iD with their affiliations and contributions



Benefits of ORCID Member API

ORCID member organizations can use the ORCID member API (application programming interface) in local systems to:

- Uniquely identify your researchers via their ORCID iD
- Read data directly from researchers' ORCID records
- Write data directly to researchers' ORCID records

About the ORCID US Community

Membership

200+ Members

Universities and Colleges

Funders

Research Institutes

Community

Community of Practice

Webinars

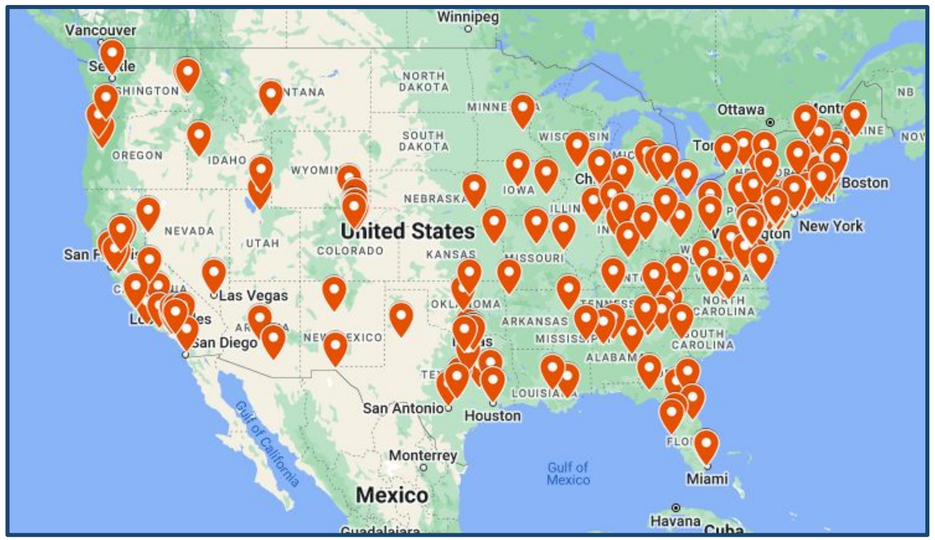
Community Calls

Discussion Forums

https://orcidus.lyrasis.org/

Funders in the ORCID US Community

- American Cancer Society
- American Council of Learned Societies
- American Heart Association
- American Institute for Cancer Research
- Breast Cancer Research Foundation
- Brightfocus Foundation
- Gordon and Betty Moore Foundation
- JDRF
- Melanoma Research Alliance
- Research Corporation for Science Advancement
- Simons Foundation
- The Nemours Foundation



Membership Benefits

Discounted Membership Fees

ORCID Membership Fee is a tiered structure based on the total annual budget of your organization.

- Small (<$10m) **= $3,650/year**
- Standard ($10m - $1b) **= $5,295/year**
- Large (> $1b) **= $6,430/year**

ORCID consortium fees may be subject to a 3% increase/year

Discounted Annual Fee

5 Premium API Keys

Dedicated Support Staff

Benefits of ORCID

ORCID Member Benefit Building Blocks

More easily track the impact of your awards and your awardees, even after the end of the grant term

Improve the integrity of your submission, review, and reporting processes; reduce errors & administrative burden

Gain a better understanding of who your researchers are, what they have done, and what they go on to do

Confirm org's relationship with researchers

Get researchers' ORCID iDs

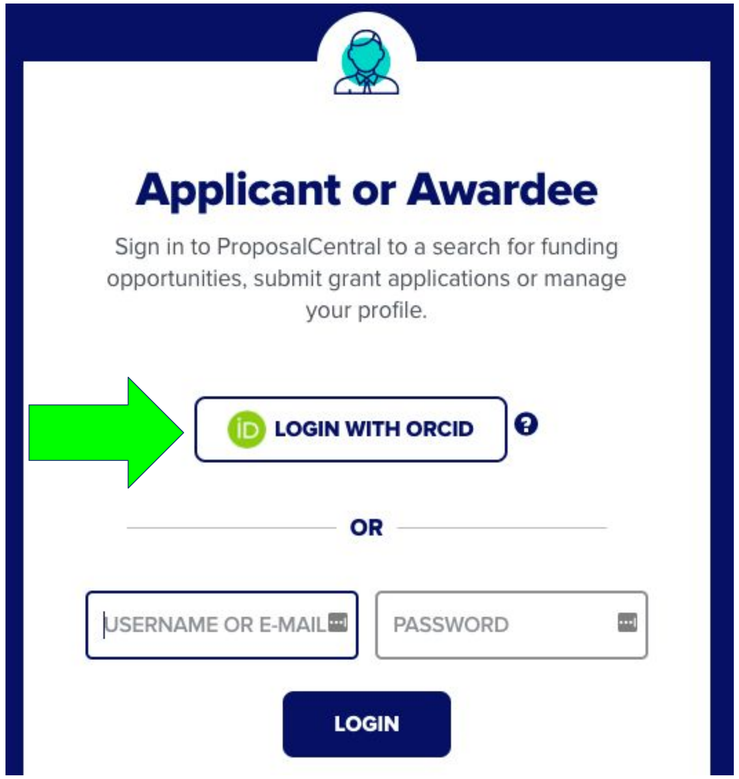
Read data from ORCID records

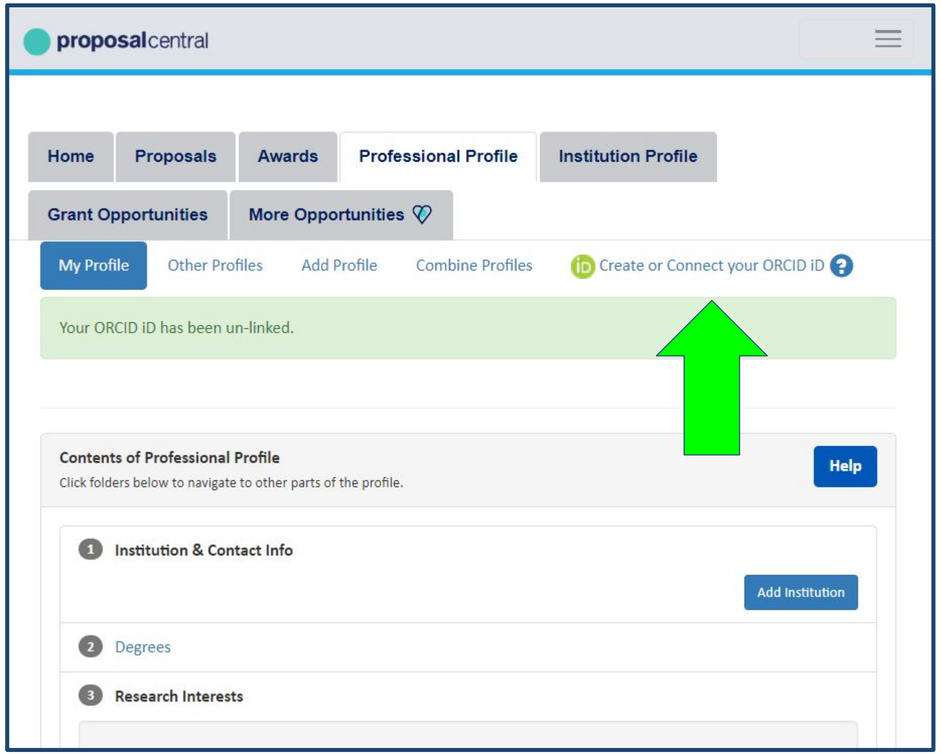
Write data to ORCID records

Starting Point:

Get researchers' ORCID iDs

Use the ORCID API Authentication "OAuth" Process - starts with the researcher connecting their ORCID iD:

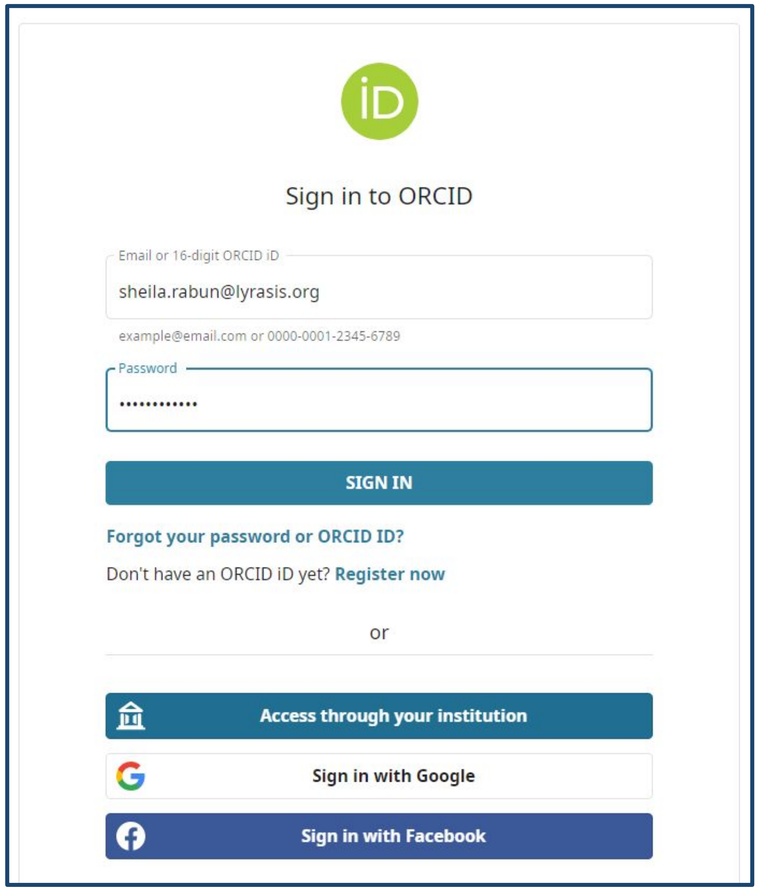


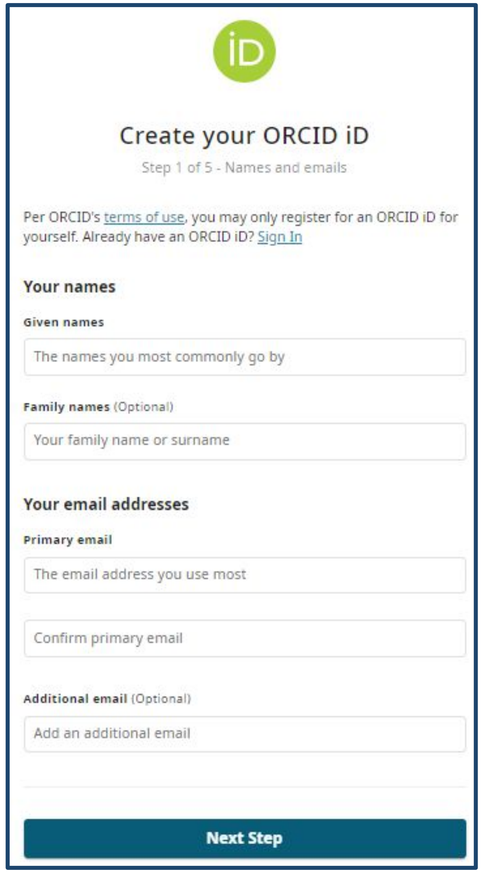


Starting Point:

Get researchers' ORCID iDs

Researcher is prompted to log in to their ORCID account, or register for an ORCID iD if they don't already have one:

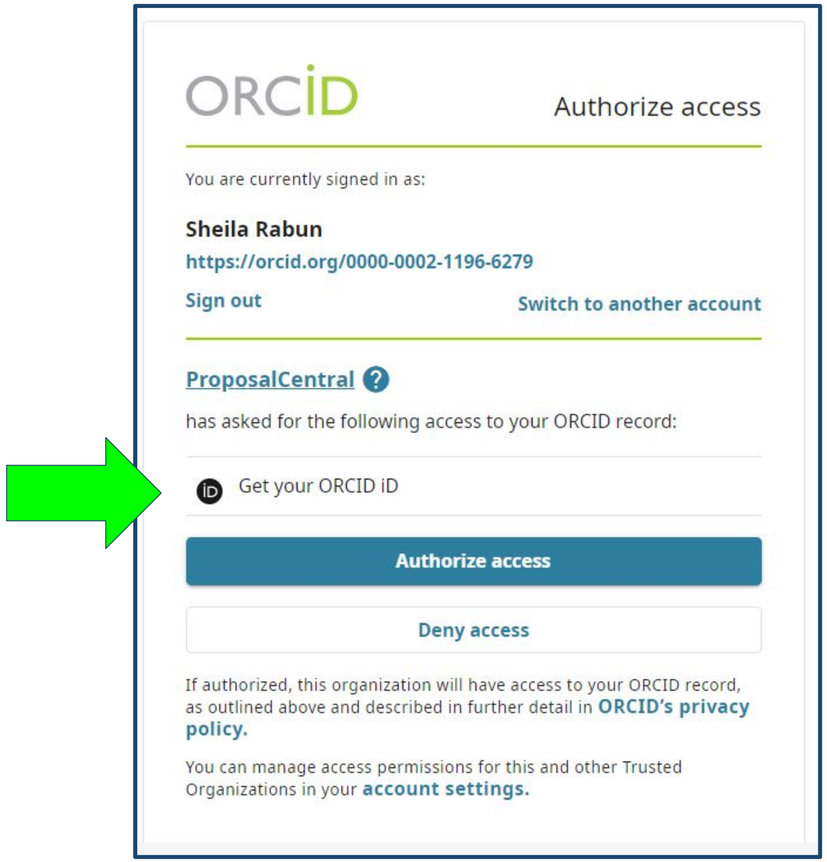




Starting Point:

Get researchers' ORCID iDs

Researcher then authorizes the connection between their ORCID iD & your organization:



Gather information:

Read data from ORCID records

Once you have your researcher's ORCID iD, you can pull public data from their ORCID record using the ORCID API:

Works (47) Sort

Visualizing institutional activity using persistent identifier metadata

Information Services & Use
2023-12-15 | Journal article | *Author*
DOI: 10.3233/isu-230218
Part of ISSN: 0167-5265
Part of ISSN: 1875-8789
CONTRIBUTORS: Negeen Aghassibake; Olivia Given Castello; Paolo P. Gujilde; Sheila Rabun

Show more detail

Source: Sheila Rabun ★Preferred source (of 2)

Data Interoperability via Persistent Identifiers: Libraries Leading the Way

Open Science Framework
2022-08-30 | Other
DOI: 10.17605/osf.io/pezrk
CONTRIBUTORS: Sheila Rabun

Show more detail

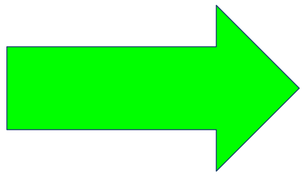
Source: DataCite

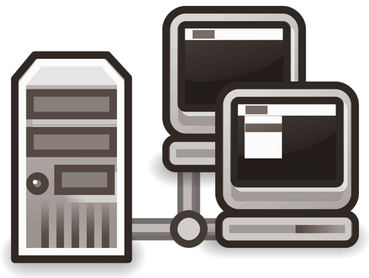
ORCID US Community: Libraries Leading the Way for Disambiguation and Interoperability in Scholarly Communication Workflows

Open Science Framework
2022-08-30 | Other
DOI: 10.17605/osf.io/ktbw5
CONTRIBUTORS: Sheila Rabun

Show more detail

Source: DataCite

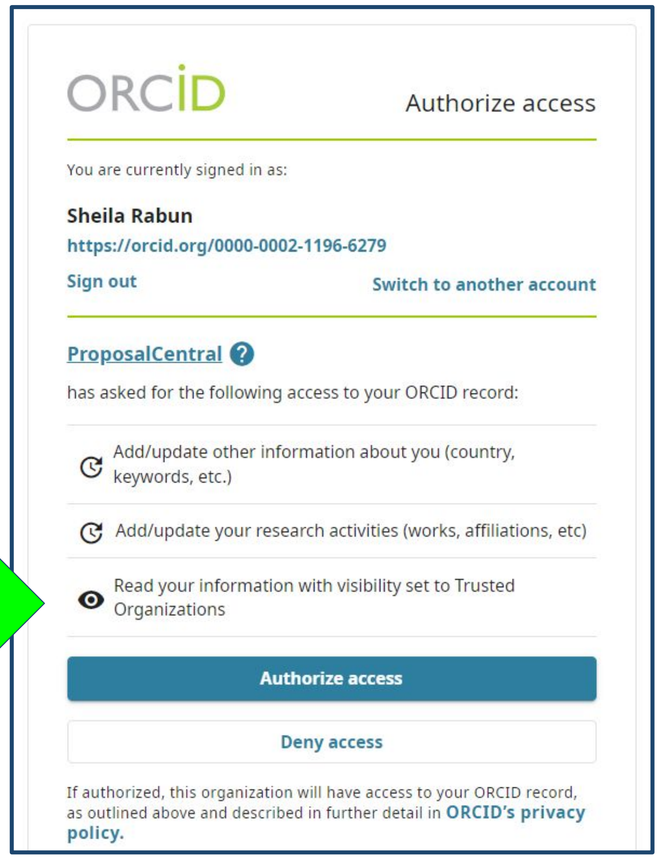


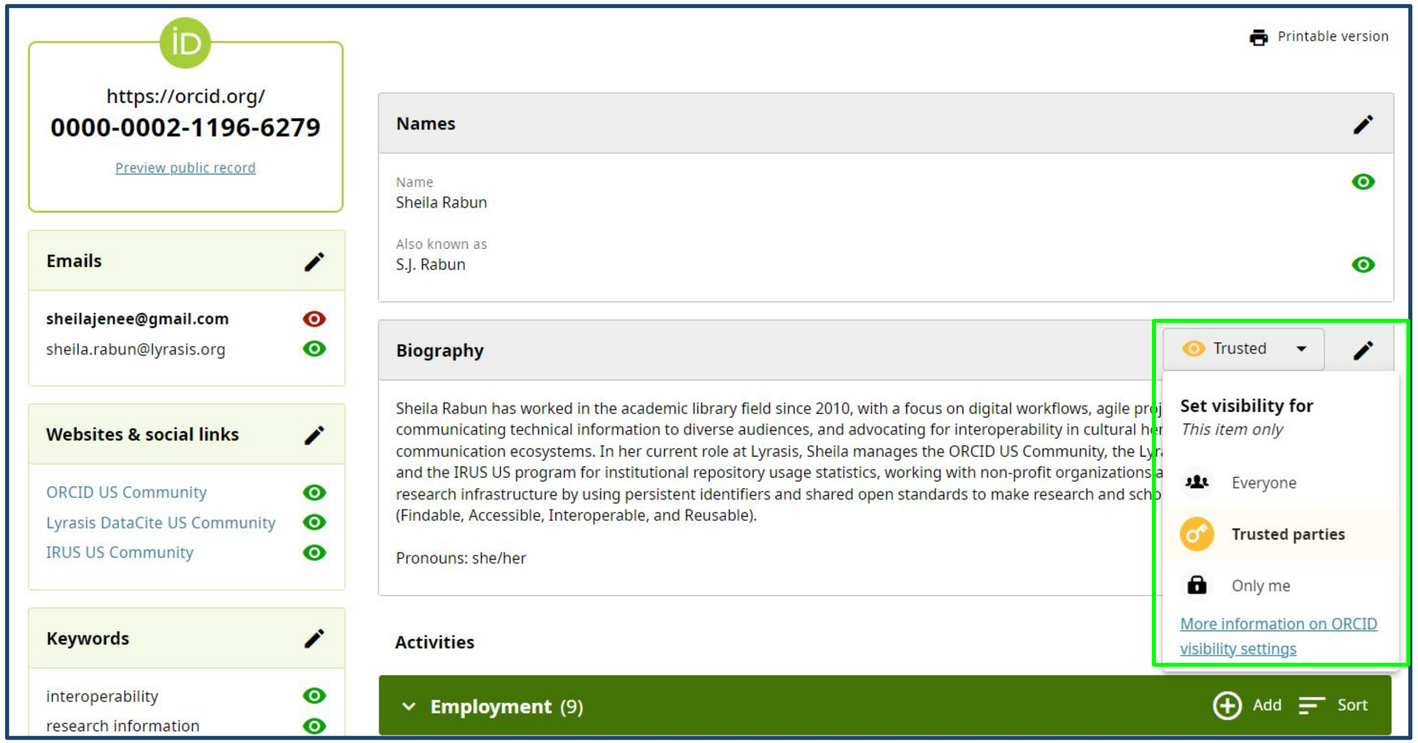


Gather information:

Read data from ORCID records

ORCID members can get researcher permission to pull non-public “trusted parties only” data from ORCID:

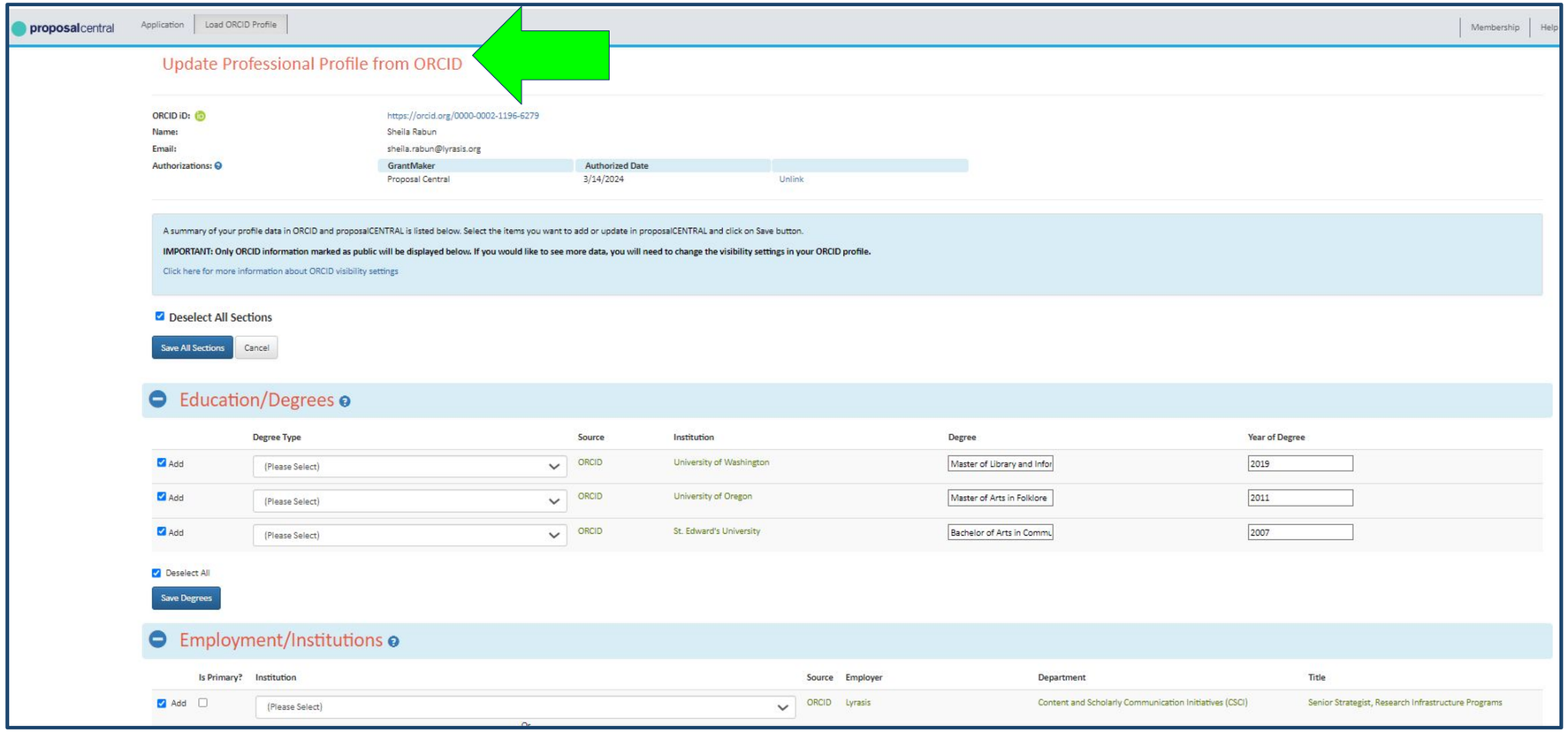




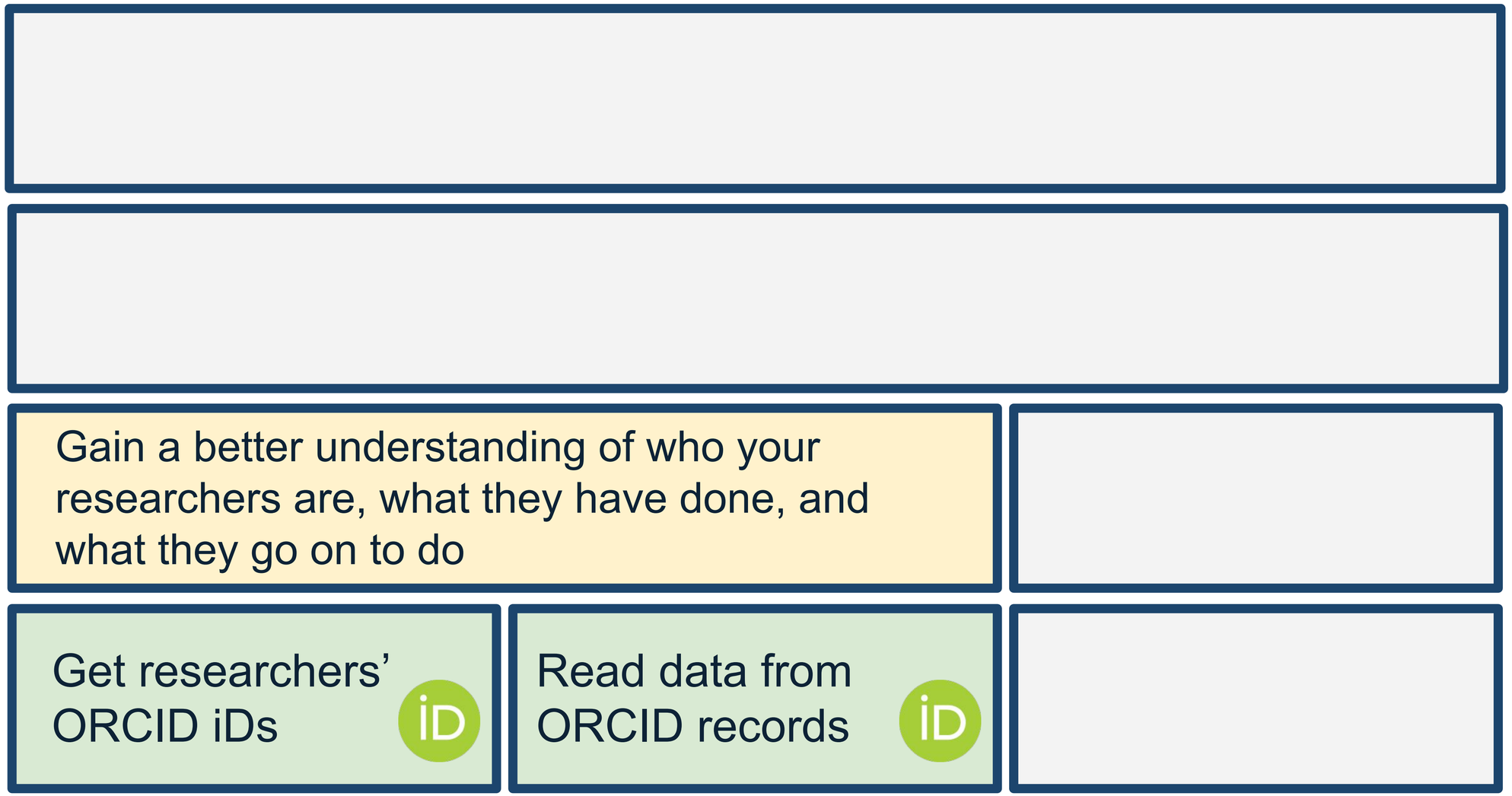
Gather information:

Read data from ORCID records

Some systems allow researchers to populate their applications and progress reports with info from ORCID:



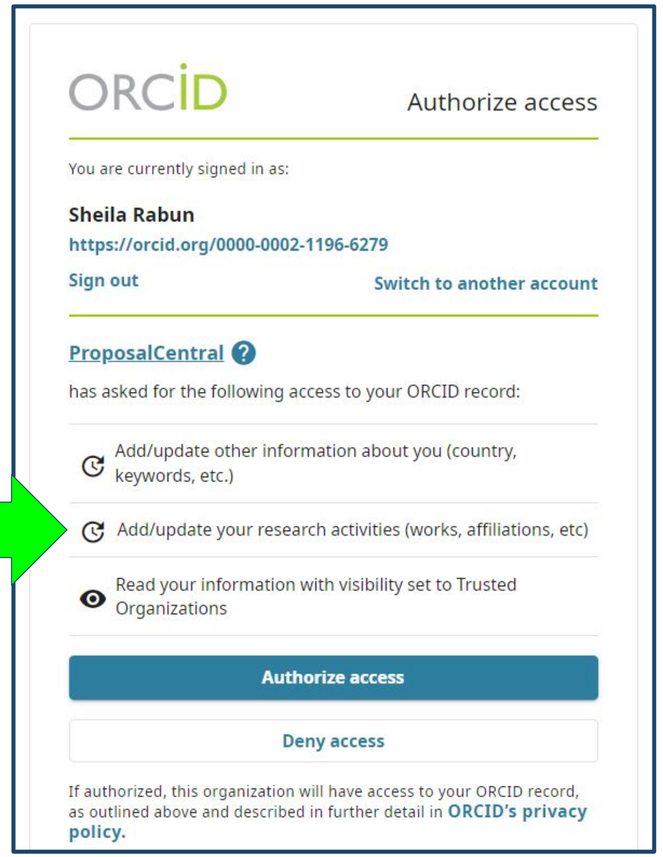
ORCID Member Benefit Building Blocks



Confirm relationships:

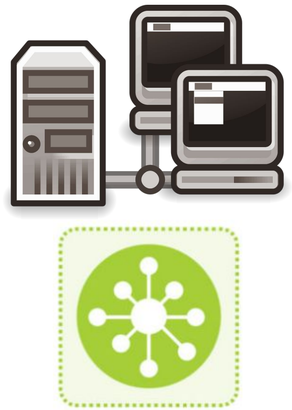
Write data to ORCID records

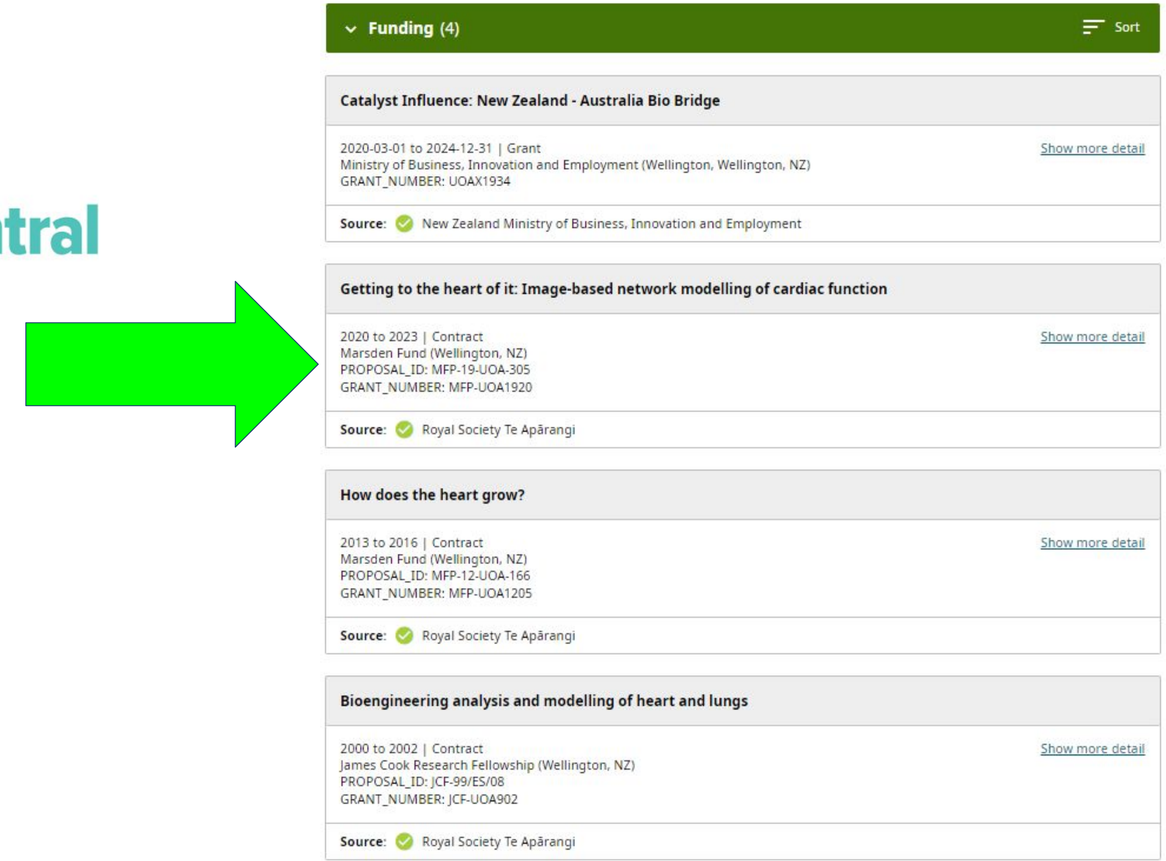
ORCID members can push data to researchers' ORCID records to confirm relationships/relevant activity:



ProposalCentral

smartsimple





Confirm relationships:

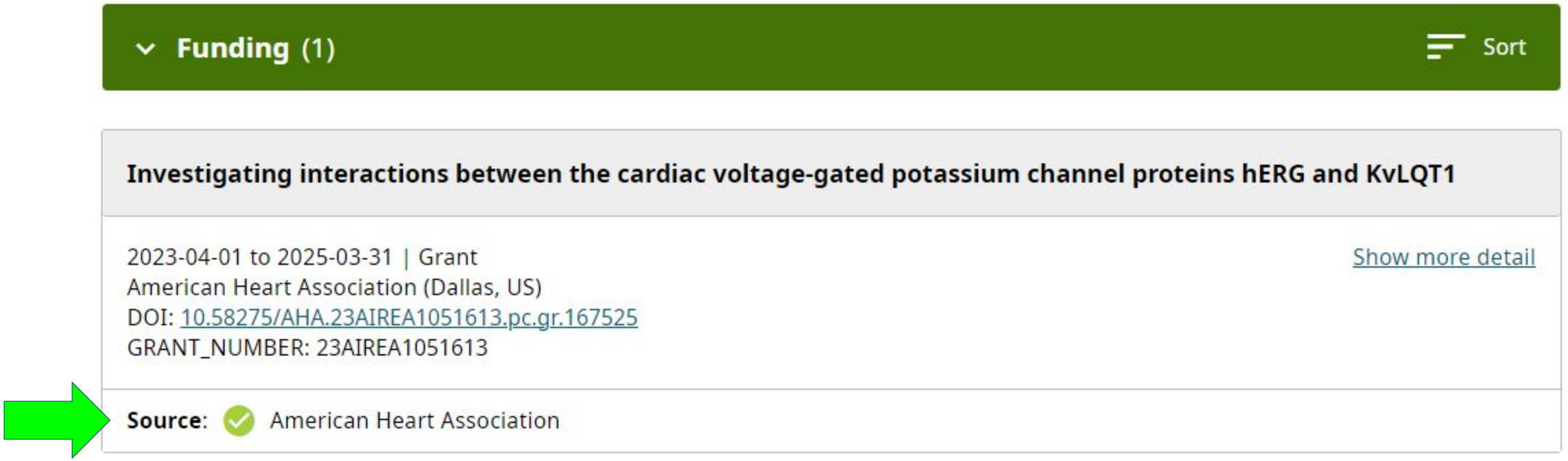
Write data to ORCID records

ORCID members across the research ecosystem (universities, publishers, societies, etc.) can write to ORCID:

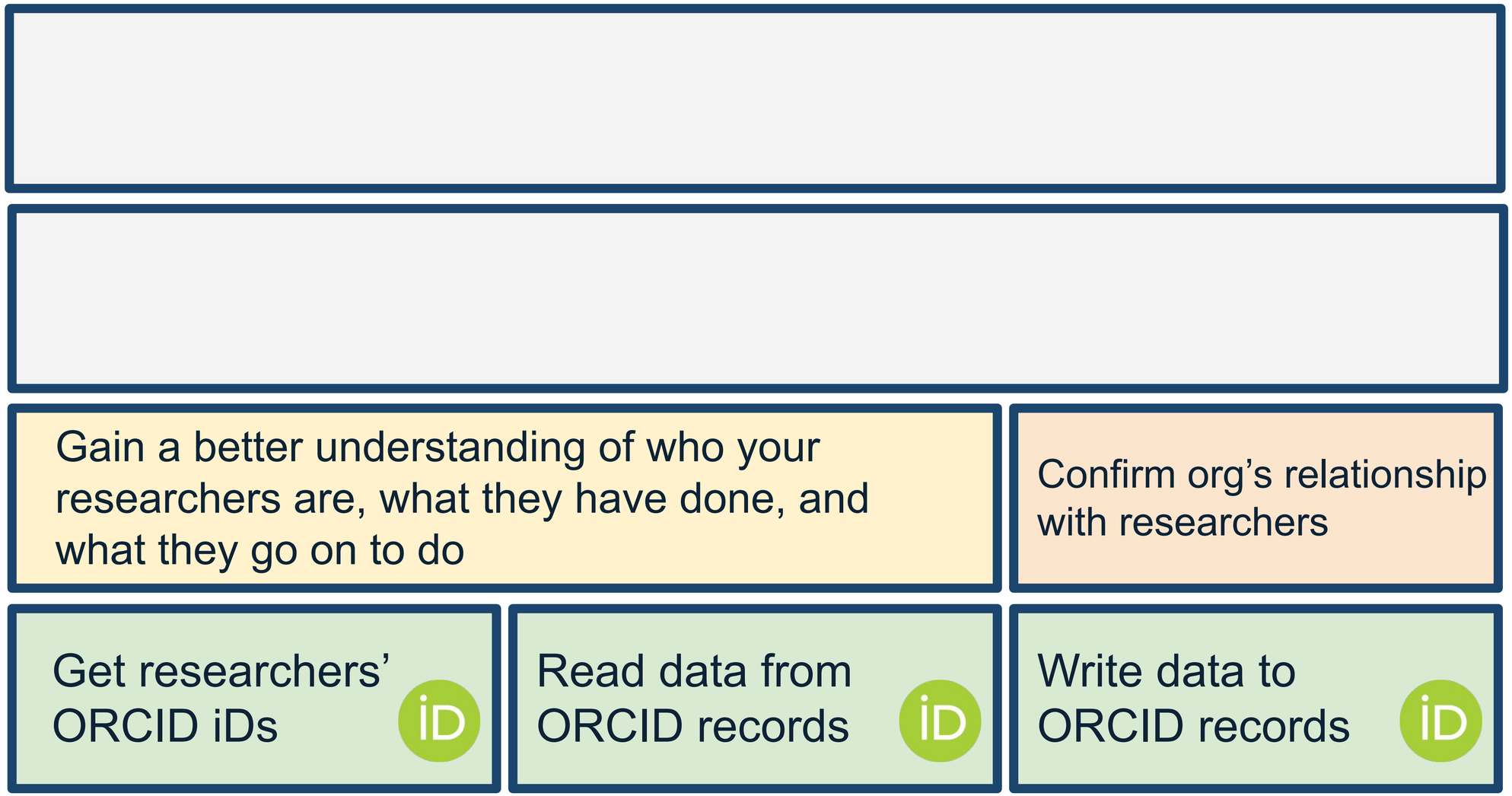
Confirm relationships:

Write data to ORCID records

For funders, this typically includes **funding information** and/or **reviewer activity**.



ORCID Member Benefit Building Blocks



ORCID Member Benefit Building Blocks

Improve the integrity of your submission, review, and reporting processes; reduce errors & administrative burden

Gain a better understanding of who your researchers are, what they have done, and what they go on to do

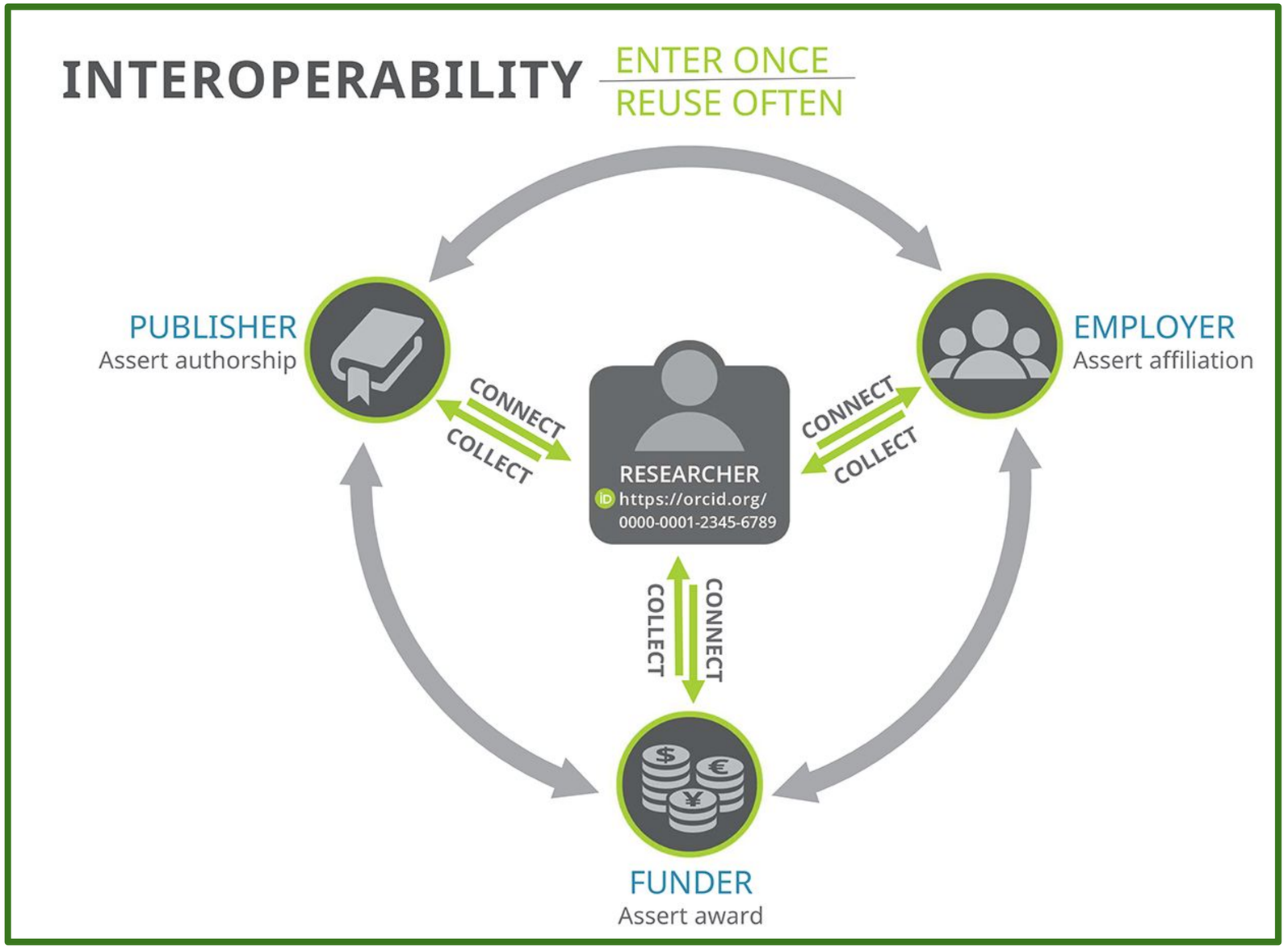
Confirm org's relationship with researchers

Get researchers' ORCID iDs

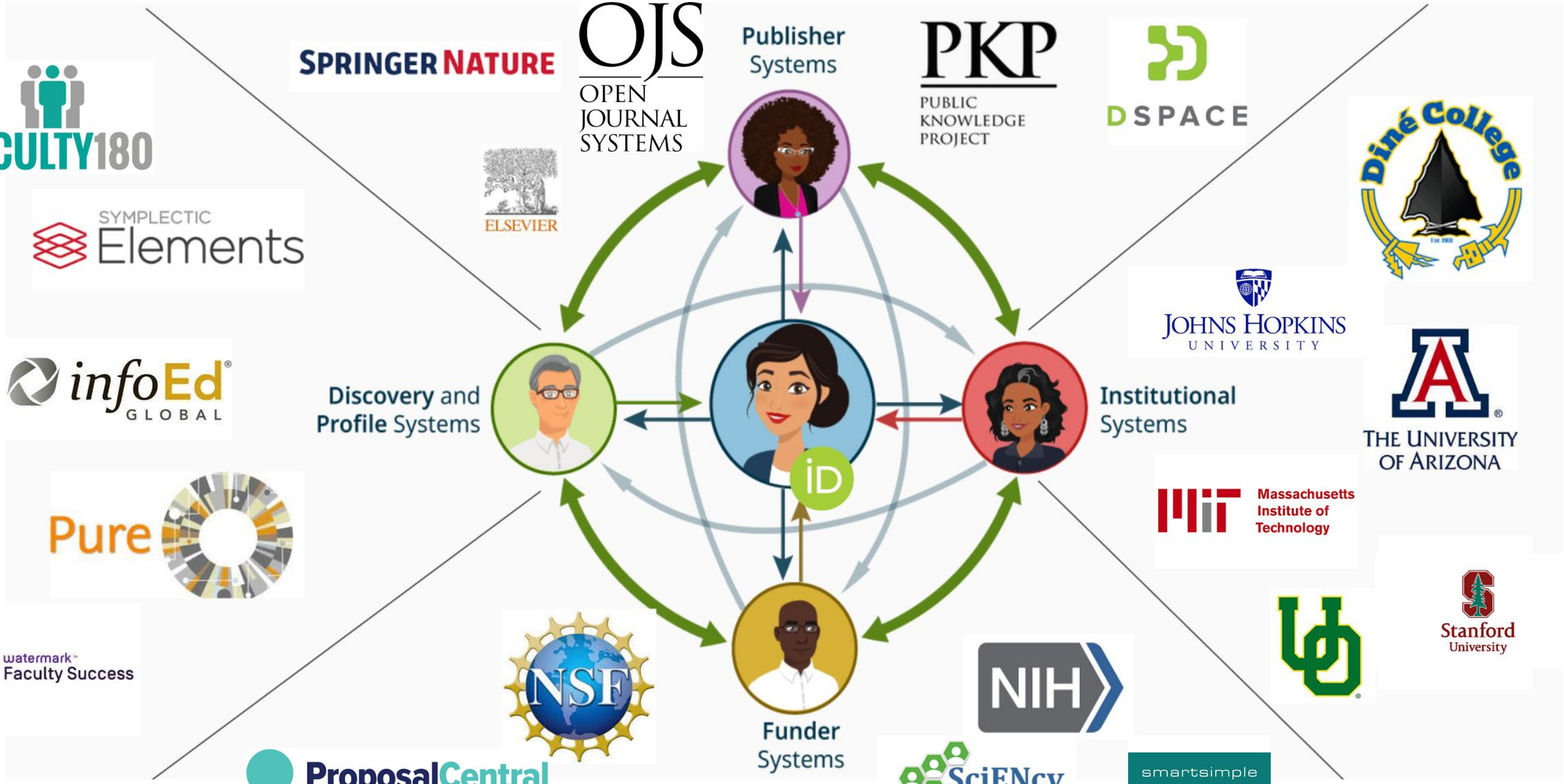
Read data from ORCID records

Write data to ORCID records

Stakeholder Roles in the ORCID Ecosystem



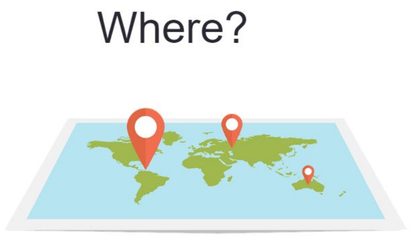
Stakeholder Roles in the ORCID Ecosystem



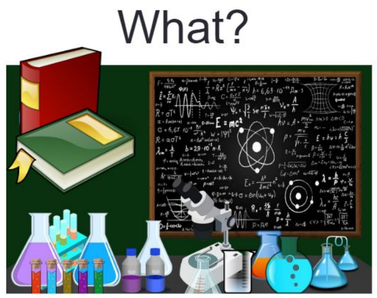
Other PIDs in the ORCID Ecosystem

PIDs = Persistent Identifiers

- **ORCID** - PID for people



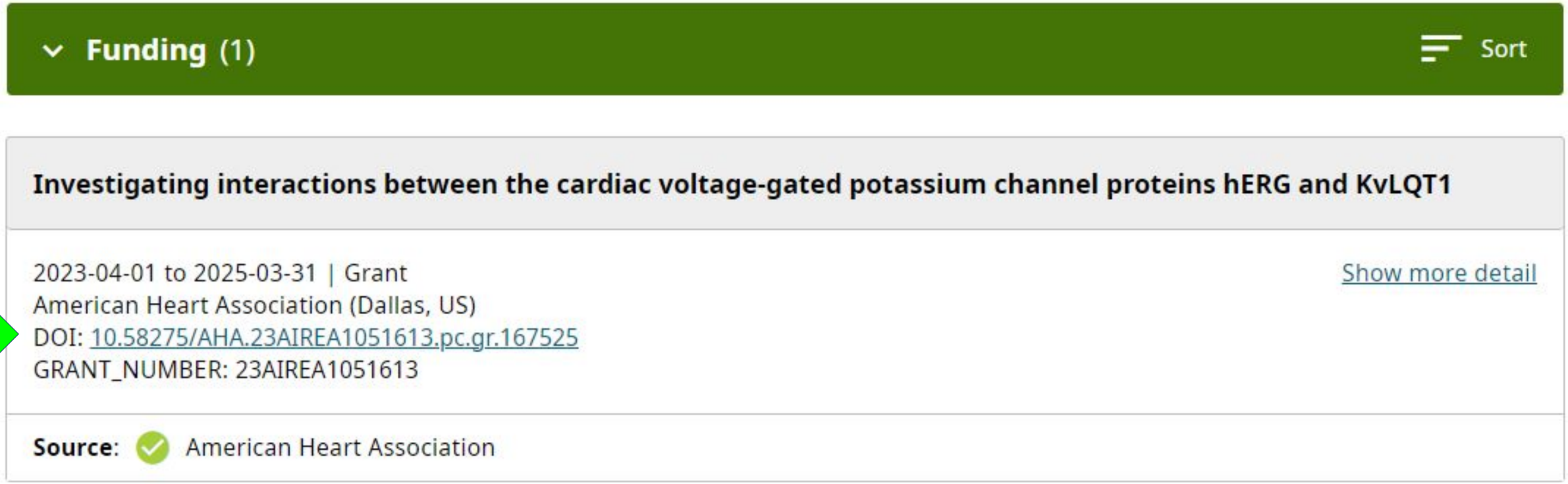
- **ROR** - Research Organization Registry - PID for organizations (where)



- **DOI** - Digital Object Identifier - PID for objects
  - Research outputs (publications, datasets, etc.)
  - Grants (Crossref Grant DOIs)

Track Activity, Impact, and ROI

More easily track the impact of your awards and your awardees, even after the end of the grant term



Track Activity, Impact, and ROI

American Heart Association

Award Details

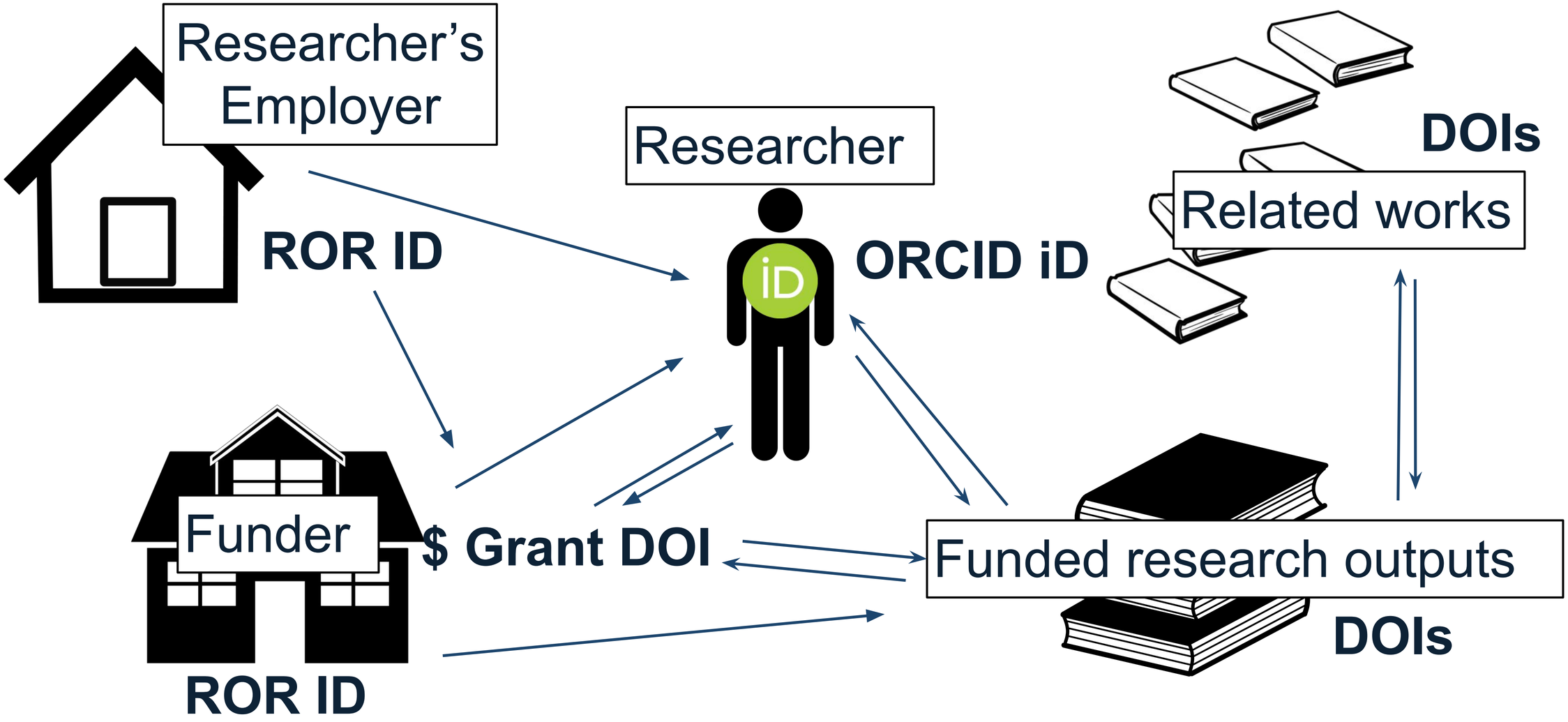
Grant ID	23AIREA1051613 Crossref https://doi.org/10.58275/AHA.23AIREA1051613.pc.gr.167525	**Project Title**	Investigating interactions between the cardiac voltage-gated potassium channel proteins hERG and KvLQT1
Award Amount	$153,660.00	**Primary Organization**	Wellesley College
Award Start Date - Award End Date	04/01/2023 - 03/31/2025	**Program Name**	AHA Institutional Research Enhancement Award
PI and PI Equivalents	Louise Darling (PI) https://orcid.org/0000-0002-7798-8024		
Prior PI			

Summary

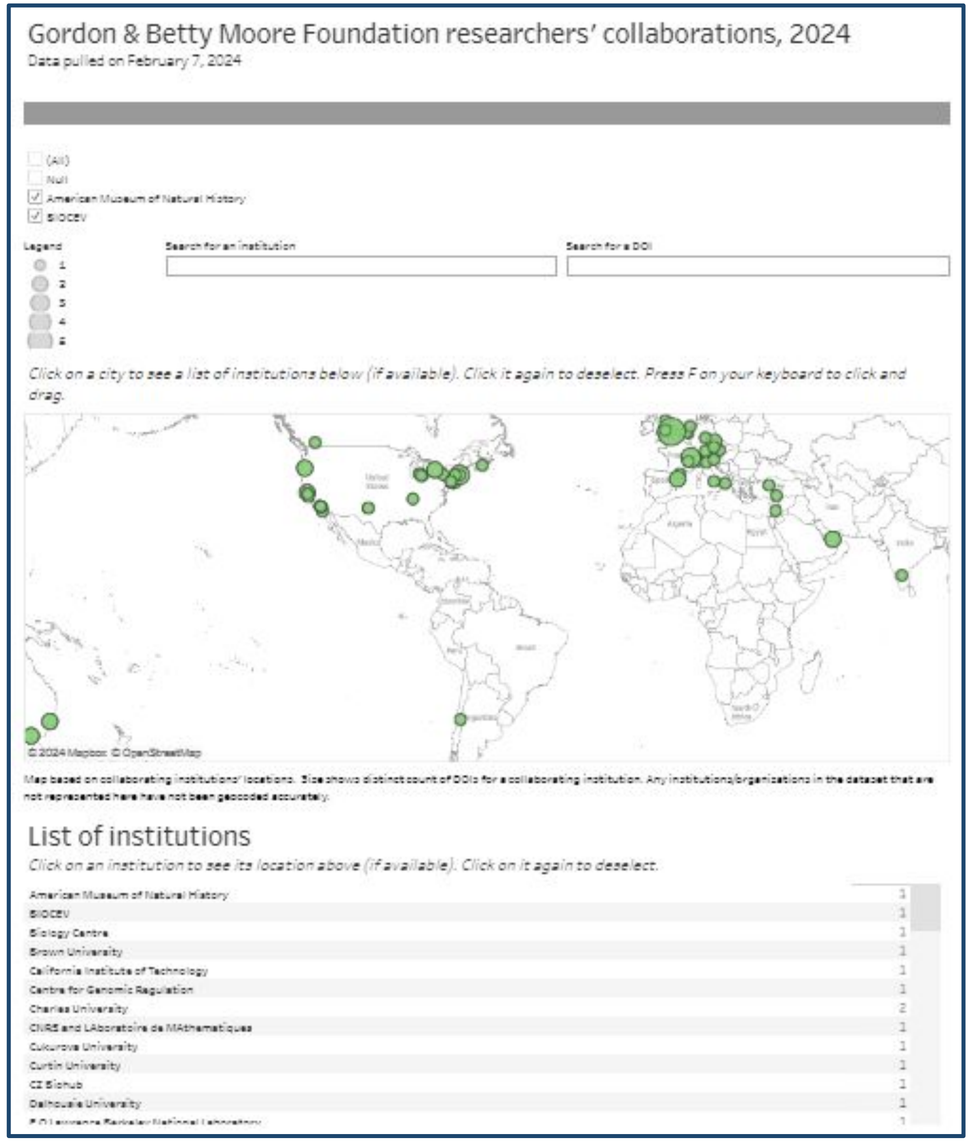
Voltage-gated potassium channels play a critical role in repolarizing cardiomyocytes, and abnormal repolarization leads to prolonged action potential durations (APDs), which can manifest clinically as Long-QT (LQT) syndrome, arrhythmias, and sudden cardiac death. hERG (KCNH2) and KvLQT1 (KCNQ1) are the pore forming a-subunit proteins for the major repolarizing currents IKr and IKs, respectively. In vivo, IKr and IKs currents function together, with some redundancy, to maintain appropriate APDs, as described by the concept of repolarization reserve. However, cellular electrophysiological studies in transgenic rabbit cardiomyocytes and stable cell lines showed mutual, functional downregulation of these complementary currents. When hERG was genetically modified to eliminate IKr, IKs was surprisingly also adversely affected. The corollary was also demonstrated where IKr was unexpectedly diminished in LTQ1 models that lack IKs. This electrophysiological, functional data suggested a potential interaction between hERG and KvLQT1 a-subunit proteins. Additional

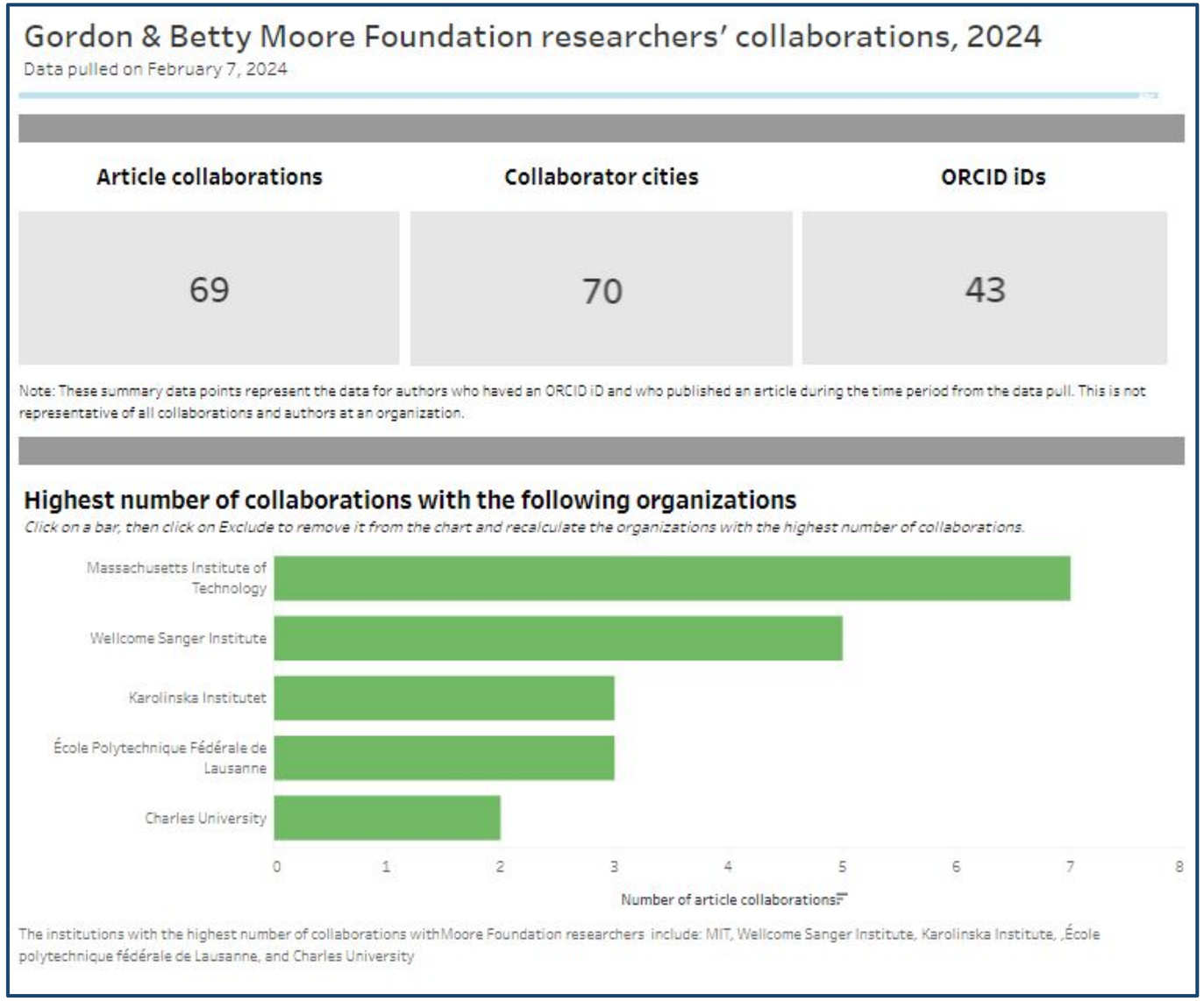
https://proposalcentral.com/Insights/yK3zgRfRQcI=/Public/AwardDetails/1051613

Connected PIDs in the Research Ecosystem



Connected PIDs: Analysis & Impact





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More easily track the impact of your awards and your awardees, even after the end of the grant term

Improve the integrity of your submission, review, and reporting processes; reduce errors & administrative burden

Gain a better understanding of who your researchers are, what they have done, and what they go on to do

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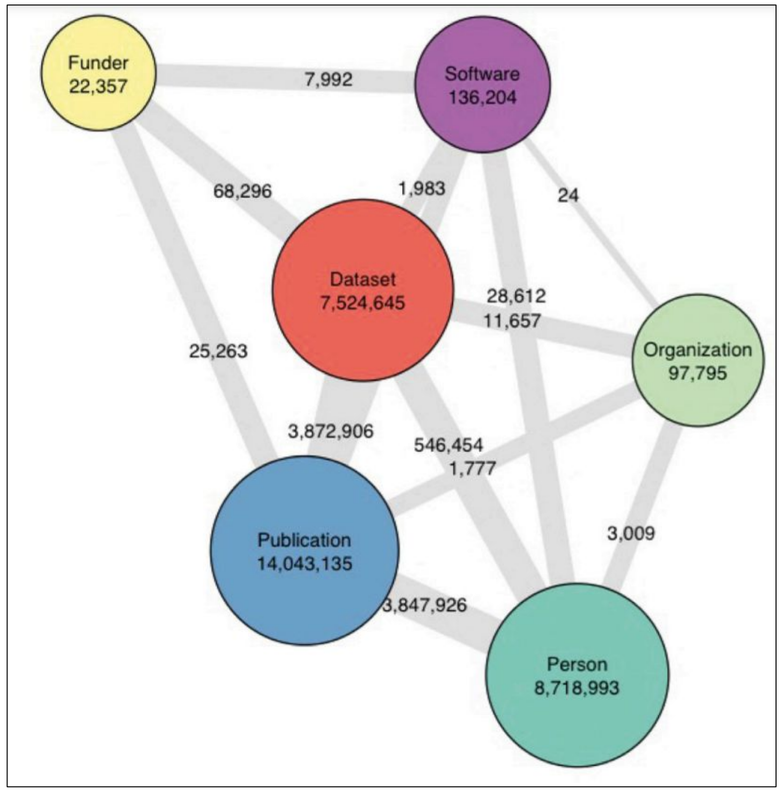
Contribute to FAIR Research Ecosystem



https://doi.org/10.1016/j.patter.2020.100180

- Enable assessment and FAIRness
  - FAIR = Findable, Accessible, Interoperable, & Reusable
- Connected PIDs with open metadata make it easier to:
  - Understand relationships between entities in the research ecosystem
  - Follow researcher activity (publications, collaboration, funding received, etc.)
  - Build foundation for gauging “impact”

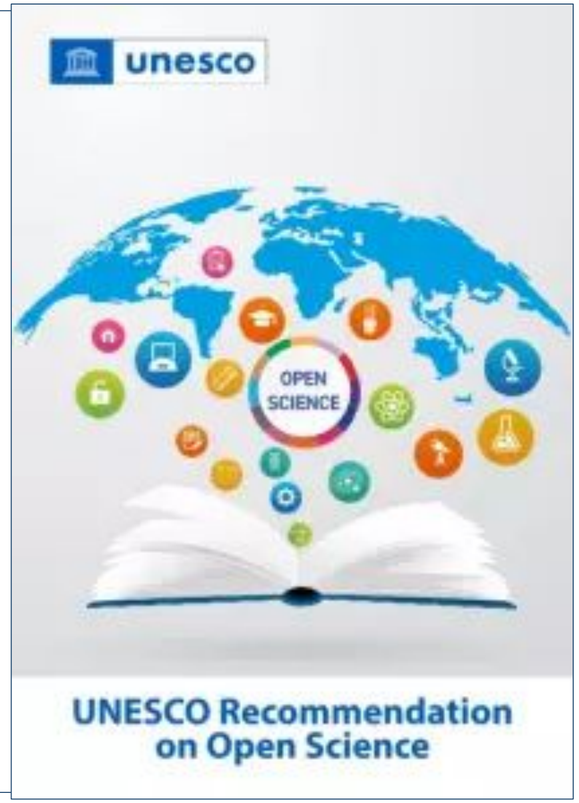
Global Landscape

Adoption of PIDs Globally

Recommendations for FAIR & PID adoption: G7, G20 & UNESCO

G7 Science Communique,
https://www8.cao.go.jp/cstp/kokusaiteki/g7_2023/230513_g7_communique.pdf

G20 report,
https://www.g20.org/content/dam/gtwenty/gtwenty_new/document/Science_20_communique.pdf



UNESCO report,
https://unesdoc.unesco.org/ark:/48223/pf0000379949

ORCID & Research Security

Key points

- Researchers to be identified by an identifier (ORCID iD)
  - Many researchers share a name
- The ORCID profile allows researchers to disclose their affiliations
  - Publicly or to Trusted Organizations
- Technical infrastructure allows forms to be auto-populated
  - Reduces the administrative burden on researchers (and staff)
- ORCID named as the identifier for researchers in NSF PAPPG

ORCID & White House OSTP Public Access Memo

Key points

1. Authors and Co-authors to be identified by an identifier (ORCID iD)
   a. Credit the right people for the work

2. People reading the work can clearly identify the authors, and review their ORCID profile
   a. Helps build trust and transparency in science

“That persistent identifiers, or PIDs, and other critical metadata associated with peer-reviewed publications and data resulting from NSF-funded research will be collected and made publicly available in NSF-PAR.”

NSF Public Access Plan 2.0

National PID Strategies in Development

RDA National PID Strategies Interest Group
https://www.rd-alliance.org/groups/national-pid-strategies-interest-group

Guide, Checklist & 9 Case Studies
https://zenodo.org/records/8431975

1. Australia
2. Canada
3. Czech Republic
4. Finland
5. Germany
6. Korea
7. New Zealand
8. The Netherlands
9. United Kingdom
10. United States (in development)

1. Lead organizations
2. Scope
3. Drivers
4. Strategy development
5. Key features
6. Key infrastructure
7. Priority PIDs
8. Impact and monitoring

Action Items

- Register for your own ORCID iD: https://orcid.org/register

- Attend our April community call on the topic of ORCID in Funding Workflows, where we will hear from a panel of funders in the US & Canada:
  - Mon. April 22 @ 2-3pm Eastern
  - Register to attend: https://lyrasis.zoom.us/meeting/register/tZIudu2vrz8qEtPeki5s4cE3uQ9fkK3uKu0A

- Join the ORCID US Community listserv: https://forms.gle/1evJEm5zx2bfreJe8

- Email us at orcidus@lyrasis.org

Resources

- ORCID US Community: https://orcidus.lyrasis.org/
- ORCID US Community Membership Benefits & Fees: https://orcidus.lyrasis.org/membership/
- How PIDs work together in the research ecosystem: https://lyrasisnow.org/how-persistent-identifiers-work-together-in-the-research-ecosystem/
- Data Visualization example: https://public.tableau.com/app/profile/sheila6994/viz/MooreFoundationTest1/Fullvisualization#2
- April 18 ORCID and Funding Workflows community call https://lyrasis.zoom.us/meeting/register/tZIudu2vrz8qEtPeki5s4cE3uQ9fkK3uKu0A
- Join the ORCID US Community listserv: https://forms.gle/1evJEm5zx2bfreJe8
- Contact us at orcidus@lyrasis.org

Resources

- G7 Science Communique:
- https://www8.cao.go.jp/cstp/kokusaiteki/g7_2023/230513_g7_communique.pdf
- G20 report: https://www.g20.org/content/dam/gtwenty/gtwenty_new/document/Science_20_communique.pdf
- UNESCO report: https://unesdoc.unesco.org/ark:/48223/pf0000379949
- ORCID & Research Security: https://lyrasisnow.org/nspm-33-orcid-information-for-research-organizations/
- White House OSTP memo: https://www.whitehouse.gov/wp-content/uploads/2022/08/08-2022-OSTP-Public-access-Memo.pdf

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Questions & Discussion

orcidus@lyrasis.org