

# ORCID: Connecting the Research Community

April 30, 2020



NCURA

Supporting Research...*together*<sup>TM</sup>

ORCID

Connecting Research  
and Researchers

# Introductions



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Engagement Manager  
Americas,  
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**Sheila Rabun**

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ORCID US Community  
Specialist,  
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Sr. Director of Research,  
Innovation & Impact,  
University of Arizona

# Agenda



Connecting Research  
and Researchers

1. What is ORCID?
2. ORCID US Community Consortium
3. Research Impact & Global Connections
4. ORCID for Research Administrators
5. Questions

**What is ORCID?**

**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.



# History

- ORCID was first announced in 2009
- A collaborative effort by the research community  
"to resolve the author name ambiguity problem in scholarly communication"
- Independent nonprofit organization
- Offering services in 2012

# ORCID

An non-profit organization that provides:

1. ORCID iDs to people
2. ORCID records for people
3. Infrastructure to share research data between organizations

# ORCID for Researchers





## Free Unique Identifier

**Sofia Maria Hernandez Garcia**

ORCID iD

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

# ORCID Record:



## Sofia Maria Hernandez Garcia

### ORCID ID

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

 Print view 

### Also known as

S. M. Garcia, Sofia Maria Garcia

### Websites & Social Links

[Faculty profile webpage](#)

[@sofiamhg](#)

### Country

United States

### Other IDs

[Profile system identifier: A-123456](#)

[ResearcherID: L-8716-2018](#)

[eScientist: 0000-0001-5727-2427](#)

### Email

[s.garcia@orcid.org](mailto:s.garcia@orcid.org)

## Biography

Sofia Maria Hernandez Garcia is used for testing and demonstrating ORCID records.

### ▼ Employment (1)

Sort

#### New Arizona State University: Sedona, Arizona, US

2015-09 to present | Associate Professor (Department of Geography)

Employment

Source: Sofia Maria Hernandez Garcia

★ Preferred source

### ▼ Education and qualifications (3)

Sort

#### London School of Physics: London, GB

2016 to 2018 | PhD (Computer Science)

Qualification

Source: Sofia Maria Hernandez Garcia

★ Preferred source

#### Universidad Politécnica de Madrid: Madrid, Comunidad de Madrid, ES

2008-09 to 2012-05 | BA Computer Science

Education

Source: Sofia Maria Hernandez Garcia

★ Preferred source

#### University of Kingston: Kingston, JM

2010 to 2012 | UX Design Certificate (User Experience)

Qualification

Source: Sofia Maria Hernandez Garcia

★ Preferred source

# ORCID Record:



## Also known as

S. M. Garcia, Sofia Maria Garcia

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## Email

[s.garcia@orcid.org](mailto:s.garcia@orcid.org)

## ▼ Membership and service (2)

↑↓ Sort

### Association of Personal & Research Identifiers : Auckland, NZ

2017 to present

Membership

Source: Sofia Maria Hernandez Garcia

★ Preferred source

### ORCID: Bethesda, MD, US

2014 to 2016 | Honorary ORCID Director (Systems)

Service

Source: Sofia Maria Hernandez Garcia

★ Preferred source

## ▼ Funding (1)

↑↓ Sort

### Grant for ORCID

Wellcome Trust (London)

2014 to present | Grant

Source: Sofia Maria Hernandez Garcia

★ Preferred source

## ▼ Research resources (1 of 1)

↑↓ Sort

### Giant Laser Award

ORCID (Bethesda, Maryland, US)

1999-02-02 to 2012-02-02

SOURCE-WORK-ID: 123456

HANDLE: <https://grants.net/123456>

Source: ORCID

★ Preferred source

# ORCID Record:



Faculty profile webpage  
[@sofiamhg](#)

**Country**  
United States

**Other IDs**  
[Profile system identifier: A-123456](#)  
[ResearcherID: L-8716-2018](#)  
[eScientist: 0000-0001-5727-2427](#)

**Email**  
[s.garcia@orcid.org](mailto:s.garcia@orcid.org)

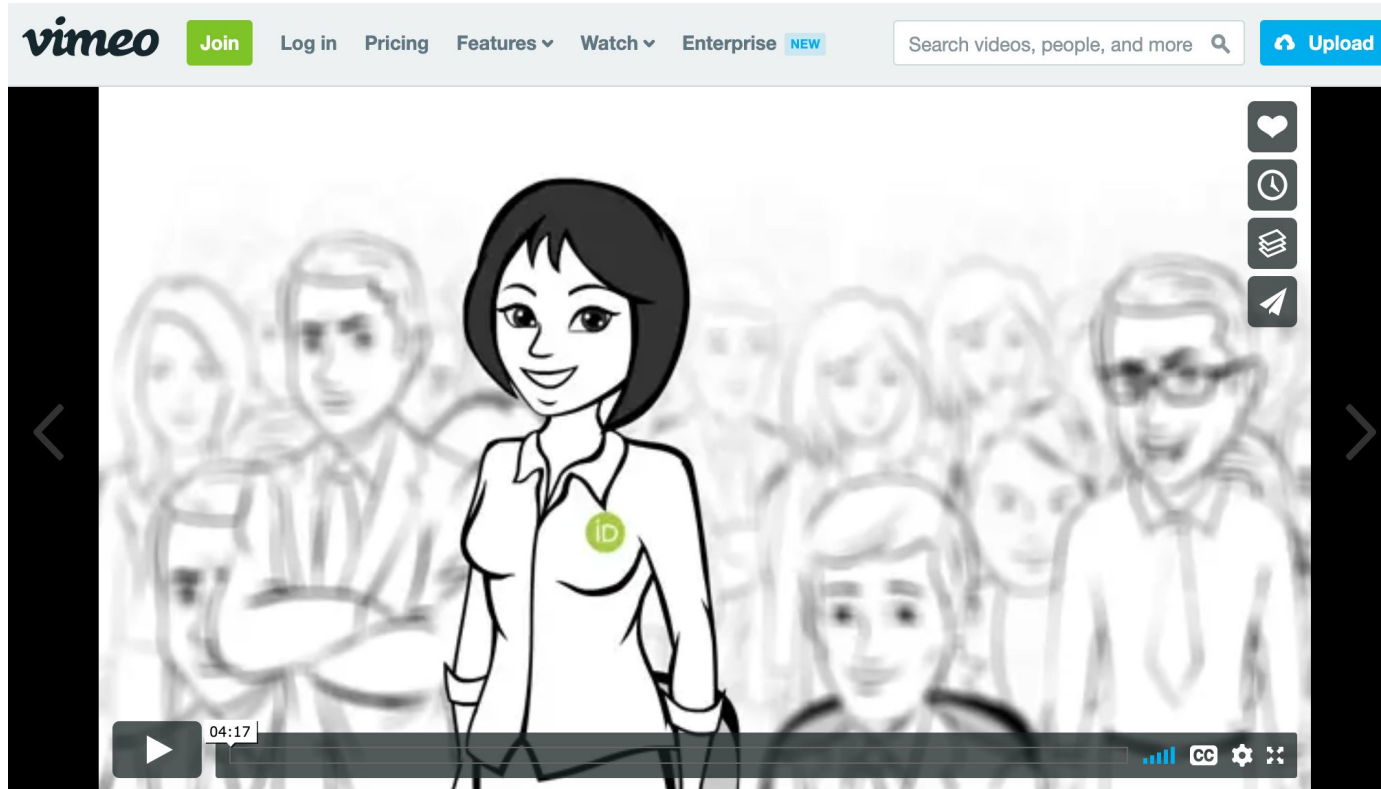
## ▼ Works (3 of 3)

Sort

- ☒ CASRAI and ORCID: Putting the Pieces together to Collaboratively Support the Research Community  
Procedia Computer Science  
2014 | journal-article  
DOI: [10.1016/j.procs.2014.06.045](#)  
*Part of* ISSN: [1877-0509](#)  
**Source:** Sofia Maria Hernandez Garcia via Crossref Metadata Search ★ Preferred source (of 2)
- ☒ ORCID Annual Public Data File, 2013  
2013 | data-set  
DOI: [10.14454/07243.2013.001](#)  
**Source:** DataCite ★ Preferred source
- ☒ ORCID: a system to uniquely identify researchers  
Learned Publishing  
2012-10-01 | journal-article  
DOI: [10.1087/20120404](#)  
*Part of* ISSN: [0953-1513](#)  
**Source:** Sofia Maria Hernandez Garcia via Crossref Metadata Search ★ Preferred source (of 3)

# What is ORCID?

<https://vimeo.com/97150912>



What is ORCID?

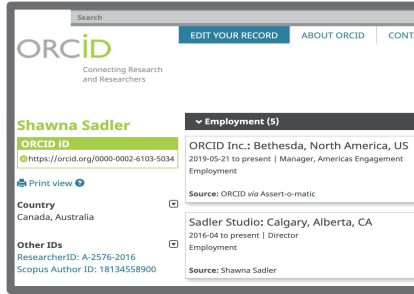
More from ORCID

☒ Autoplay next video

# ORCID for Research Organizations

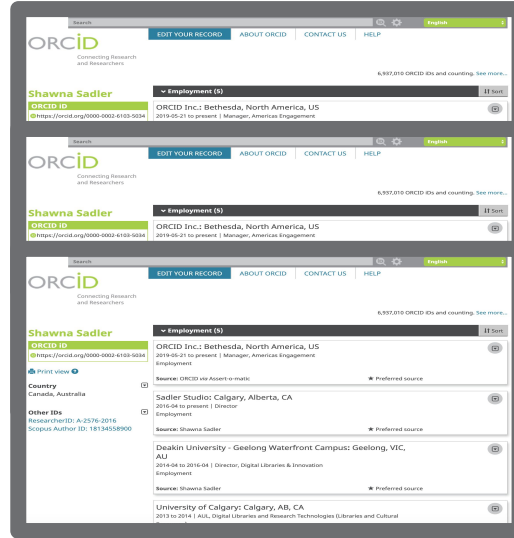
## Researcher

- 1) Researcher creates ORCID iD
- 2) Populates record



## ORCID

All records are saved in the  
ORCID Registry



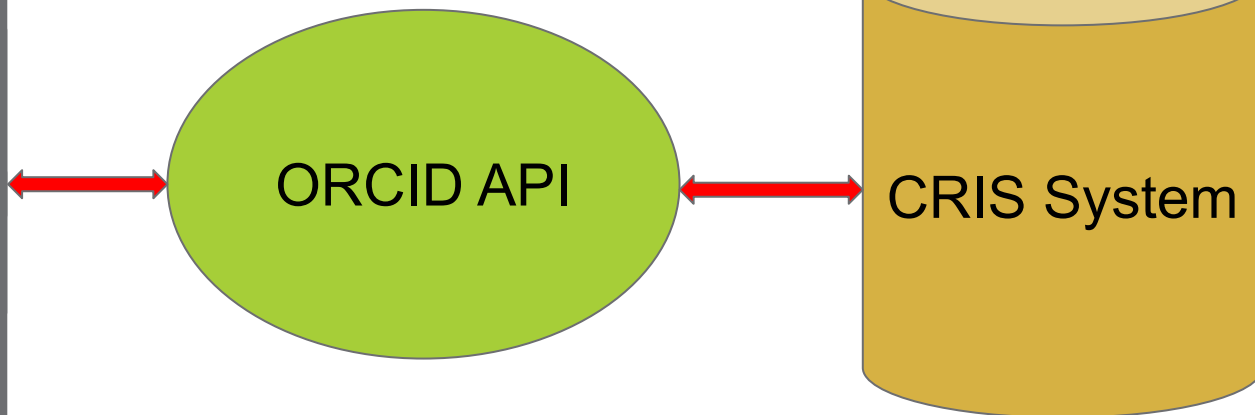
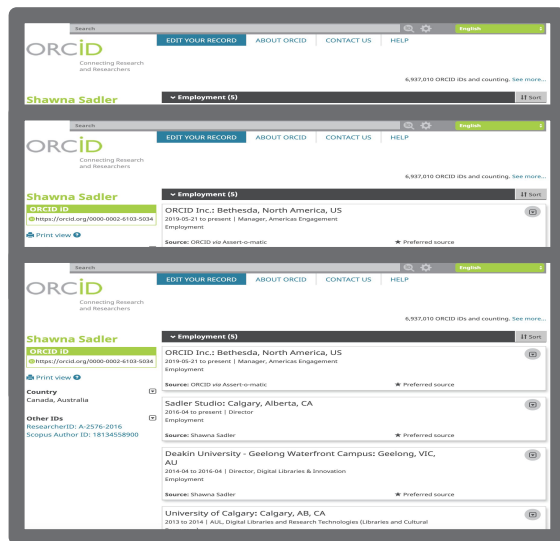
## Your Organization

API Transfer Member data  
to your CRIS System



# API Technology to Transfer Data

## ORCID Registry

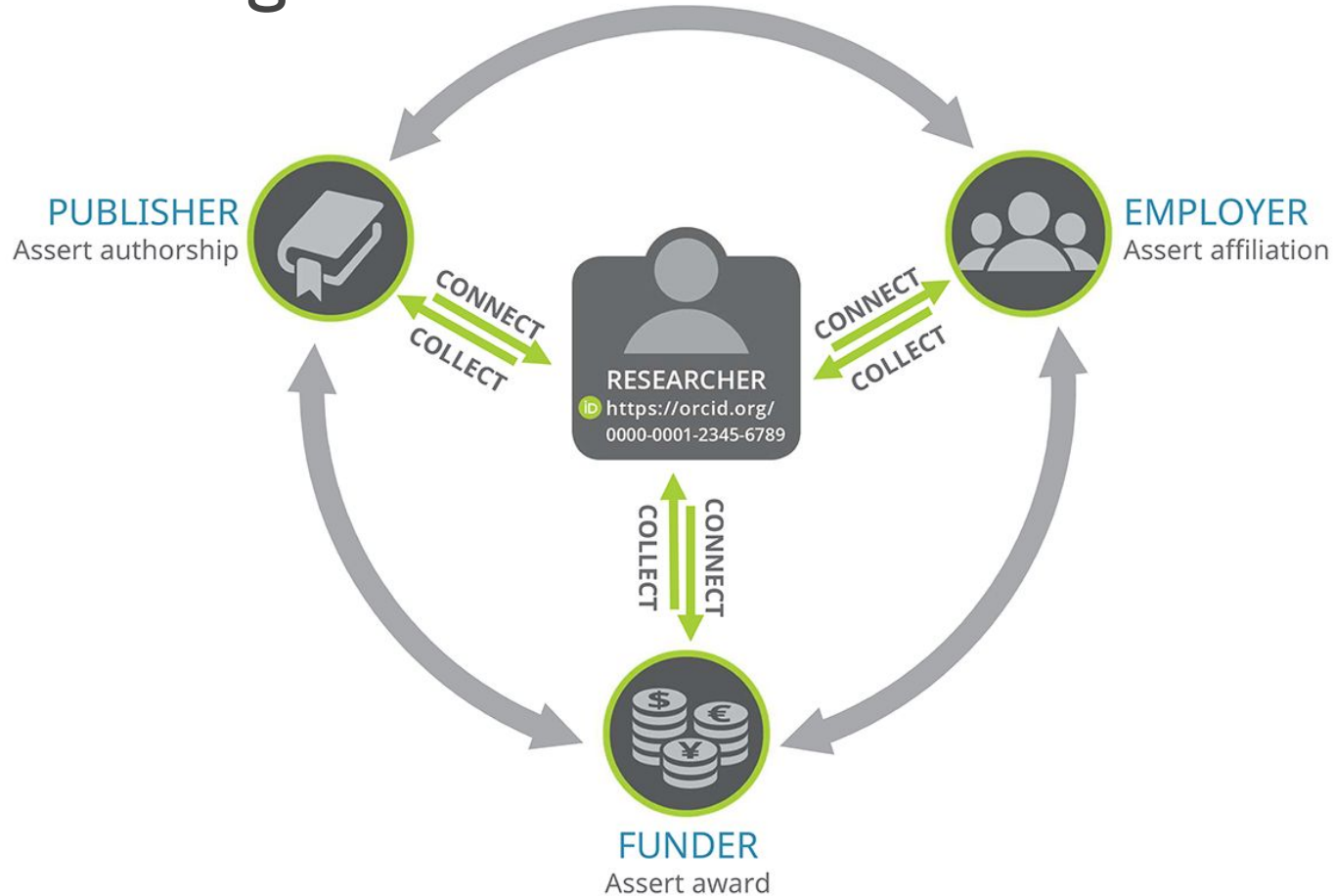




# Connect your CRIS with ORCID

- Atlas s2id
- Converis
- Digital Measures
- Elements
- Faculty180
- InfoEd
- IRMA
- Pure
- DSpace CRIS
- Vivo
- Haplo
- Worktribe
- Fundanet

# ORCID for Organizations





# Written to ORCID records

- 53,319,442 works entries in ORCID registry as of April 1, 2020
- 47,487,703 of those works have DOIs
- 37,449,239 of those works were written to ORCID by member organizations via ORCID API
- Top organizations adding works:
  - Scopus - Elsevier (17,281,548)
  - ResearcherID (5,077,560)
  - Crossref (3,290,058)
  - Europe PubMed Central (2,557,994)
  - Crossref Metadata Search (2,041,706)
  - INSPIRE-HEP (934,136)
  - CIÃNCIAVITAE (821,728)
  - Publons (721,903)
  - NASA Astrophysics Data System (433,781)
  - Multidisciplinary Digital Publishing Institute (274,081)
  - DataCite (169,166)
  - University of Helsinki (156,106)
  - University of Hong Kong (141,012)
  - BASE - Bielefeld Academic Search Engine (136,232)
  - New York University (104,645)

# ORBIT project

## ORCID Reducing Burden and Improving Transparency

Building Information Infrastructure with Research Funders



1. Integrating ORCID into the research grant lifecycle.
2. Engages funders to use persistent identifiers to automate and streamline the flow of research information between systems.
3. Goal: transparency and reliability of research information.



The ORBIT Funder Working Group therefore makes the following recommendations:

- Funders, publishers, and identifier registries should work together to develop, implement, and socialize **workflows that use identifiers** to create and share transparent connections between people, funding, and research activities in grant and publication workflows
- Funder reporting systems should implement digital reporting workflows that **reduce reporting burden**, by enabling researchers to populate web forms with information from other systems, including ORCID records, without rekeying or manual data entry
- **Funders should partner with publishers** to leverage identifiers for organizations, grants, and people, to enable compliance with funder open access and data-sharing requirements



# Funding in ORCID

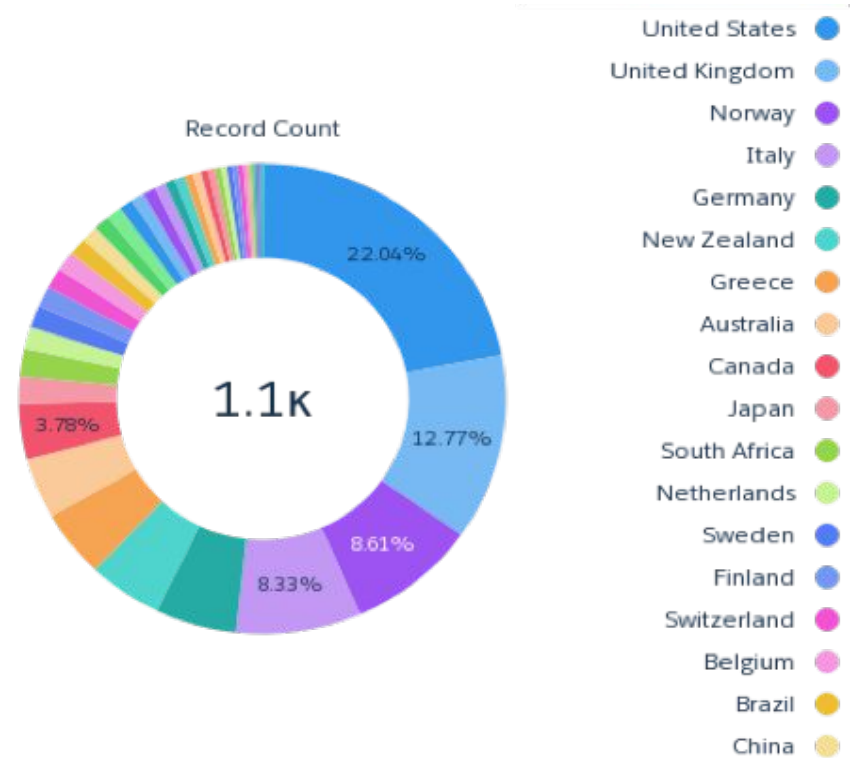
- ORCID iDs with funding activities (227,090)
- Total funding activities (798,972)
- Funding activities with unique organizations (222,217)



8.3 million + researchers  
have an ORCID iD

1,150 + organizational  
members

24 ORCID consortia



## Two US ORCID Consortia



<https://www.lyrasis.org/Leadership/Pages/orcid-us.aspx>



US Government  
ORCID Consortium

[www.osti.gov/doe-orcid-consortium](http://www.osti.gov/doe-orcid-consortium)



# ORCID US Community Consortium



Connecting Research  
and Researchers

Consortium Member  
Organization

# ORCID US Community

- National consortium for institutional ORCID membership, formed in 2018
- Reduced ORCID membership fee (\$4,300/year)
- Community of practice around ORCID in the US

ORCID

Connecting Research  
and Researchers



LYRASIS®



# ORCID US Community: 132+ Member Organizations



<https://orcid.org/members/001G000001wND7XIAW-lyrasis>

# Institutional ORCID Stakeholders



# ORCID for All Disciplines/Contributions

- STEM has led the way so far
- Arts & Humanities, Social Sciences
- Law Schools - US News “Scholarly Impact” rankings

## ADD WORK

Work category\*

Other ▼

Pick a work category

Publication

Conference

Intellectual property

Other

Work type\*

Data set ▼

Annotation

Artistic/performance

Data set

Invention

Lecture/speech

Physical Object

Research technique

Software

Spin off company

Standards and policy

Technical standard

Other

# ORCID = Central Hub

- ORCID is a central hub for recording data about affiliations & activities
- Data within ORCID is interoperable

 Sheila Rabun

## ORCID iD

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

[View public version](#)

[Switch account](#) >

 [Display your iD on other sites](#) ?

 [Public record print view](#) ?

 [Get a QR Code for your iD](#) ?

 **Also known as**  
S.J. Rabun

 **Country**  
United States

## Biography ?



Sheila Rabun has worked in the academic library field since 2010, with a focus on digital workflows, agile project management, communicating technical information to diverse audiences, and advocating for interoperability in academia and scholarly communication ecosystems. She has a bachelor's in Communication from St. Edward's University in Austin, Texas, a master's in Folklore from the University of Oregon, and an master's in Library and Information Science from the University of Washington iSchool.

Pronouns: she/her

> **Employment (6)** ?

> **Education and qualifications (4)** ?

> **Invited positions and distinctions (2)** ?

> **Membership and service (3)** ?

> **Funding (0)** ?

> **Works (28 of 28)** ?



# Benefits of ORCID for Research Institutions

- Uniquely **identify** researchers

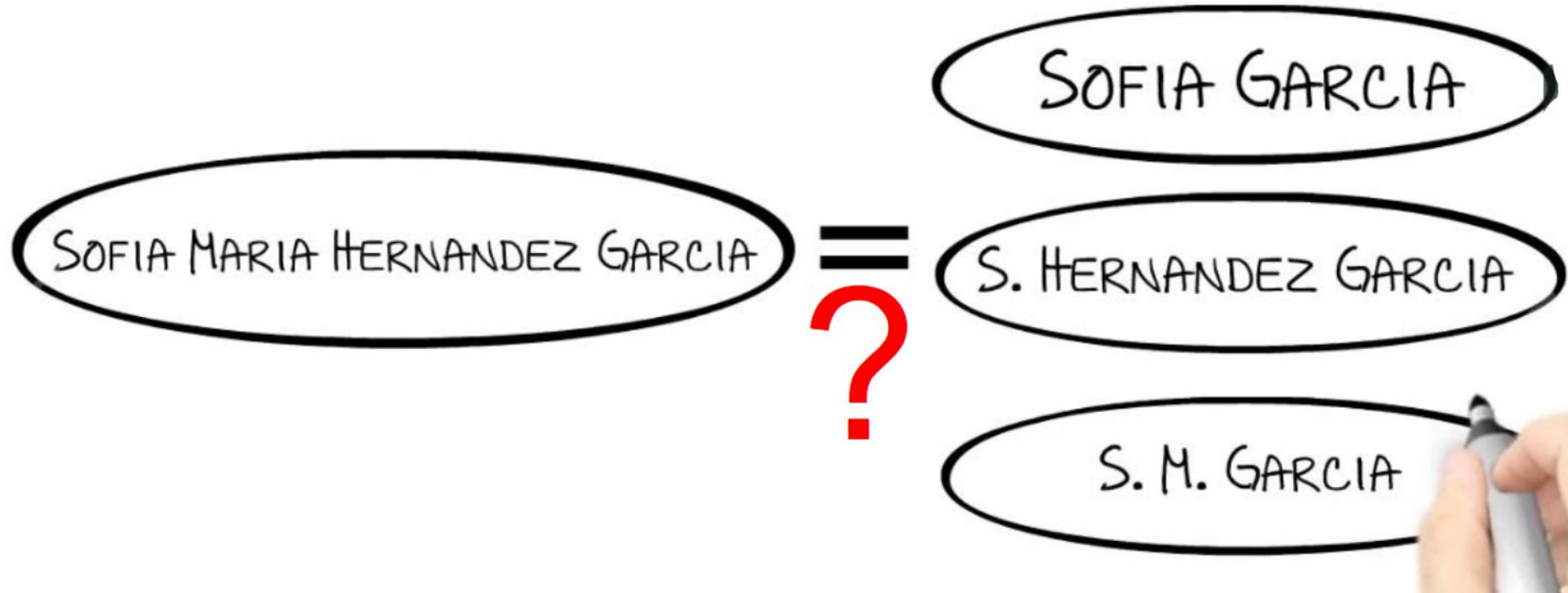
- **Streamline** reporting workflows



- **Assert** trustworthy affiliations & activities

- **Save** time & reduce administrative burden

# Uniquely **Identify** Researchers





# The Value of Using Unique Identifiers for Researchers

## What's in a Name?

**Most names are not unique**



Many people have the same name

Names may change through marriage or other circumstances



People use different versions of their name during their career



# Benefits of ORCID for Research Institutions

- Uniquely **identify** researchers

- **Streamline** reporting workflows



- **Assert** trustworthy affiliations & activities

- **Save** time & reduce administrative burden

# Streamline Data Collection for Reporting & Assessment



# Benefits of ORCID for Research Institutions

- Uniquely **identify** researchers

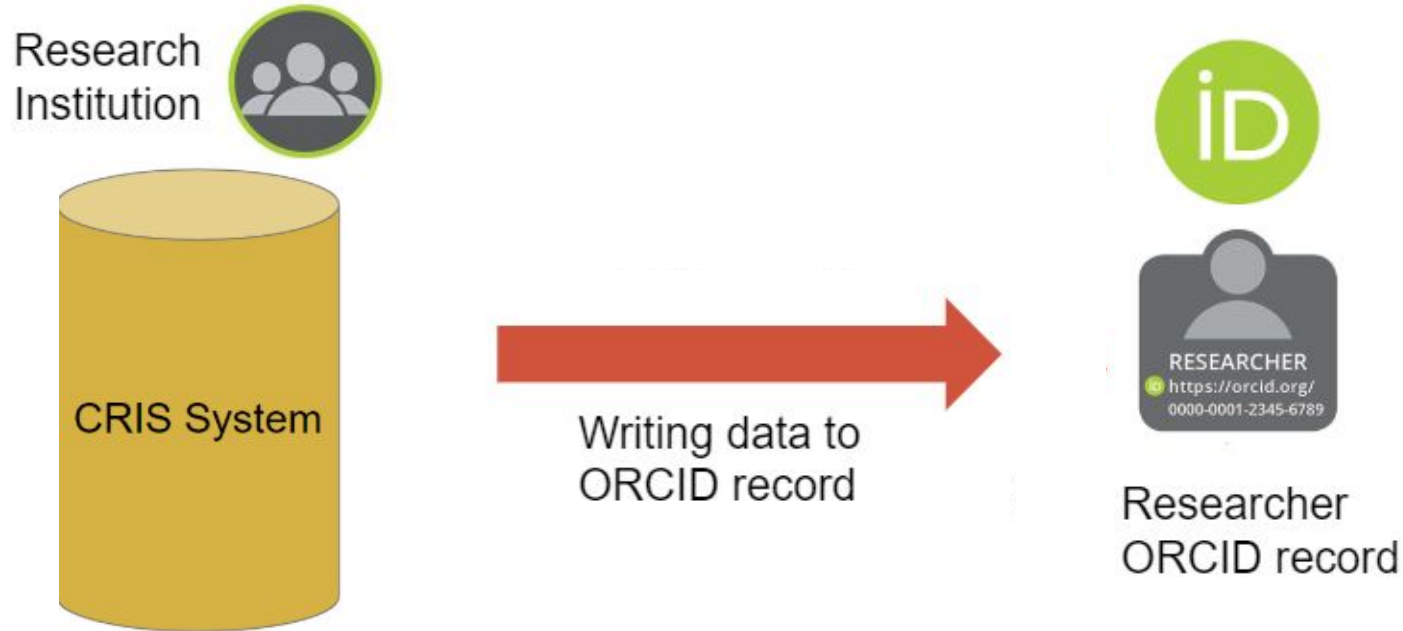
- **Streamline** reporting workflows



- **Assert** trustworthy affiliations & activities

- **Save** time & reduce administrative burden

# Assert trustworthy affiliations & activities



# Benefits of ORCID for Research Institutions

- Uniquely **identify** researchers

- **Streamline** reporting workflows



- **Assert** trustworthy affiliations & activities

- **Save** time & reduce administrative burden

# Save Time & Reduce Administrative Burden

- Use ORCID as a central hub for storing researcher info
- Transfer data between ORCID/Institutional Systems
  - Click of a button vs. Filling out forms over and over again
- Example: Faculty180 or other Research Information Management Systems

The screenshot displays the Faculty180 interface for Boston College. The left sidebar contains navigation links: Faculty, Admin, DASHBOARD, PROFILE, ACTIVITIES, FORMS & REPORTS, VITAS & BIOSKETCHES (selected), and ACCESS SETTINGS. The main content area is titled 'VITAS & BIOSKETCHES' and includes a 'Vita Admin' section with a table of records. The table has columns for Name, Description, Unit, View, and Actions. The records listed are Faculty Annual Report, Sabbatical Review, and StandardCV, all associated with the University. Below the table is an 'Add' button. The 'Vita / Profile Systems' section shows a message 'Access successfully granted.' and a table with columns for Source, View Previous Import, Import, View Previous Export, Export, View Profile, Last Successful Access, and Authorize Access. The 'Import' button is highlighted with a red circle. The interface is powered by DATA180, an Interfolio Company.

Name	Description	Unit	View	Actions
Faculty Annual Report		University		
Sabbatical Review		University		
StandardCV		University		

Source	View Previous Import	Import	View Previous Export	Export	View Profile	Last Successful Access	Authorize Access
ORCID Registry	-		-	-	0000-0002-0150-2083	-	Signed in

# Save Time & Reduce Administrative Burden

- Use ORCID as a central hub for storing researcher info
- Transfer data between ORCID/Institutional Systems
  - Click of a button vs. Filling out forms over and over again
- Example: SciENCv biosketch platform (NIH & NSF)



## SciENCv: Science Experts Network Curriculum Vitae

A researcher profile system for all individuals who apply for, receive or are associated with research investments from federal agencies. SciENCv is available in My NCBI.

### About SciENCv

- [Background Information](#)
- [SciENCv FAQs](#)
- [YouTube Video: SciENCv tutorial](#)
- [YouTube Video: Integrating with ORCID](#)
- [Recent Changes to NIH Biosketch](#)
- [Provide Feedback](#)

### Interfacing with SciENCv

- [SciENCv Data Documentation](#)
- [SciENCv Data Schemas](#)

Click here to start!

### News and Resources

- [SciENCv News](#)
- [SciENCv Presentations](#)
- [SciENCv Help](#)
- [My Bibliography Help](#)





# Evidence of Institutional Value

Examples of time/staff savings achieved by implementing ORCID from around the world



**UK:** 0.2 – 0.4 FTEs per institution<sup>1</sup>

**Portugal:** 100,000 researcher hours per year<sup>2</sup>

**Australia:** 15-30 minutes per grant application<sup>3</sup>

1. Jisc/ARMA Institutional ORCID Implementation and Cost Benefit Analysis Report 2015

2. Cátia Laranjeira, FCT - Fundação para a Ciência e a Tecnologia 2017

3. Australian Research Council governance meeting, September 2018

*"Having ORCID iDs for most of our researchers has helped in providing authoritative accounts in our various databases, ensuring accuracy in reviewer identities, and helping editors find reviewers and check expertise."*

**—Brooks Hanson, Executive Vice President, Science, American Geophysical Union**

# Research Impact & Global Connections

- Persistent, trusted, digital identity impacts researcher evaluation
- ORCID is the most-used identifier across the globe for asserting online identity
- Stronger digital identity leads to more research engagement

## Charting the digital transformation of science

*Findings from the 2018 OECD International Survey of Scientific Authors (ISSA2)*

This paper presents the results of the 2018 OECD International Survey of Scientific Authors (ISSA2), a global online survey designed and implemented to measure the key features of the digital transformation of science. The paper explores the potential impacts of digitalisation based on a combination of different indicators on research impact and responses from nearly 12 000 authors across the world. The evidence shows that although digital activity is pervasive, the transformation is uneven across fields and sectors, and is influenced by factors such as norms, experience, skills and data availability. Overall, scientists appear to be optimistic about the potential of digitalisation, especially in relation to the efficiency of research and collaboration across national borders. This paper is also the first analysis to leverage a new OECD approach to data collection in priority science policy topics for which evidence might be scarce or insufficiently timely.

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English

[More On](#) ▾

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**Authors**  
Michela Bello and Fernando Galindo-Rueda

**09 Apr 2020**

93 pages

No. 2020/03

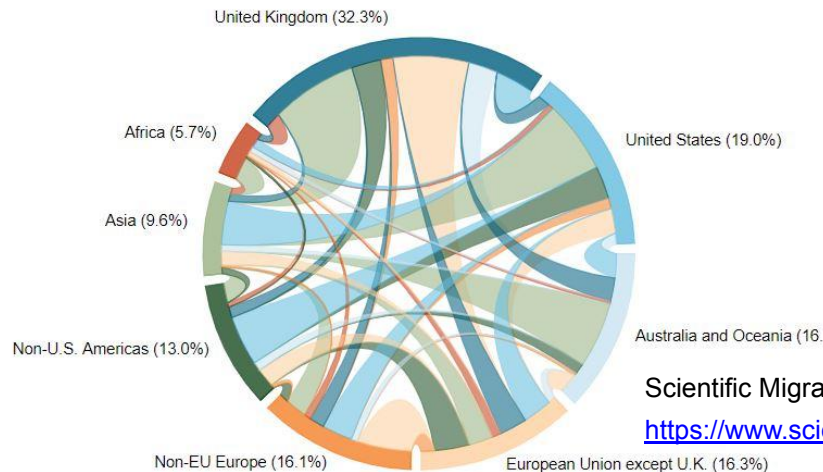
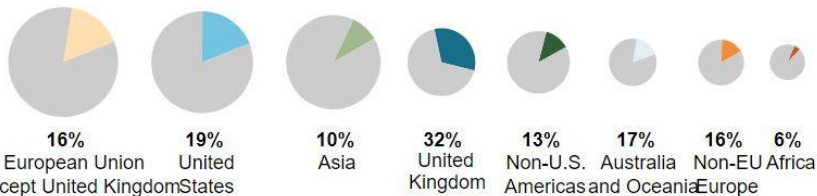
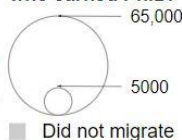
<https://doi.org/10.1787/1b06c47c-en>

# Research Impact & Global Connections

## Scientific migrations: a view from ORCID

Although the data set overrepresents some EU countries and underrepresents China, analysis reveals intriguing migration patterns. For example, about a third of those who earned their Ph.D. in the United Kingdom were living in another country by 2016. But only about 15% of Ph.D.s from other EU nations migrated away. Hover over the interactive chord diagram to see migration flow between regions.

Number of people who earned Ph.D.



## Connections between International Universities and Australian Universities.



## ResearchGraph-ORCID-Collaboration-flow-map

ResearchGraph: Melroy Almeida, Australian Access Federation

<https://public.tableau.com/profile/melroy#/>

Scientific Migrations:

<https://www.sciencemag.org/news/2017/05/vast-set-public-cvs-reveals-world-s-most-migratory-scientists>



# ORCID & Open Research

## THE ASTROPHYSICAL JOURNAL LETTERS

OPEN ACCESS

### First M87 Event Horizon Telescope Results. I. The Shadow of the Supermassive Black Hole


The Event Horizon Telescope Collaboration, Kazunori Akiyama<sup>1,2,3,4</sup> , Antxon Alberdi<sup>5</sup> , Walter Alef<sup>6</sup>, Keiichi Asada<sup>7</sup>, Rebecca Azulay<sup>8,9,6</sup> , Anne-Kathrin Baczko<sup>6</sup> , David Ball<sup>10</sup>, Mislav Baloković<sup>4,11</sup> , John Barrett<sup>2</sup> , Dan Bintley<sup>12</sup>, Lindy Blackburn<sup>4,11</sup> , Wilfred Boland<sup>13</sup>, Katherine L. Bouman<sup>4,11,14</sup> , Geoffrey C. Bower<sup>15</sup> , Michael Bremer<sup>16</sup>, Christiaan D. Brinkerink<sup>17</sup> , Roger Brissenden<sup>4,11</sup> , Silke Britzen<sup>6</sup> , Avery E. Broderick<sup>18,19,20</sup> , Dominique Brogiere<sup>16</sup>, Thomas Bronzwaer<sup>17</sup>, Do-Young Byun<sup>21,22</sup> , John E. Carlstrom<sup>23,24,25,26</sup>, Andrew Chael<sup>4,11</sup> , Chi-kwan Chan<sup>10,27</sup> , Shami Chatterjee<sup>28</sup> , Koushik Chatterjee<sup>29</sup>, Ming-Tang Chen<sup>15</sup>, Yongjun Chen (陈永军)<sup>30,31</sup>, Ilje Cho<sup>21,22</sup> , Pierre Christian<sup>10,11</sup> , John E. Conway<sup>32</sup> , James M. Cordes<sup>28</sup>, Geoffrey B. Crew<sup>2</sup> , Yuzhu Cui<sup>33,34</sup> , Jordy Davelaar<sup>17</sup> , Mariafelicia De Laurentis<sup>35,36,37</sup> , Roger Deane<sup>38,39</sup> , Jessica Dempsey<sup>12</sup> , Gregory Desvignes<sup>6</sup> , Jason Dexter<sup>40</sup> , Sheperd S. Doeleman<sup>4,11</sup> , Ralph P. Eatough<sup>6</sup> , Heino Falcke<sup>17</sup> , Vincent L. Fish<sup>2</sup> , Ed Fomalont<sup>1</sup>, Raquel Fraga-Encinas<sup>17</sup> , William T. Freeman<sup>41,42</sup>, Per Friberg<sup>12</sup>, Christian M. Fromm<sup>36</sup>, José L. Gómez<sup>5</sup> , Peter Galison<sup>4,43,44</sup> , Charles F. Gammie<sup>45,46</sup> , Roberto García<sup>16</sup>, Olivier Gentaz<sup>16</sup>, Boris Georgiev<sup>19,20</sup> , Ciriaco Goddi<sup>17,47</sup>, Roman Gold<sup>36</sup> , Minfeng Gu (顾敏峰)<sup>30,48</sup> , Mark Gurwell<sup>11</sup> , Kazuhiro Hada<sup>33,34</sup> , Michael H. Hecht<sup>2</sup>, Ronald Hesper<sup>49</sup> , Luis C. Ho (何子山)<sup>50,51</sup> , Paul Ho<sup>7</sup>, Mareki Honma<sup>33,34</sup> 


- When research contributions are findable, centrally located, and linked to the individuals involved via ORCID:
  - Data and deliverables can be more easily shared and re-used
  - Researchers can find each other and make connections
  - Researchers get recognition for their work

# Researcher Recognition



- Rescognito.com = ORCID-based platform that allows individuals and institutions to recognize individuals for multiple types of contributions

Open Ledger for:  
**Richard Wynne**  
 <https://orcid.org/0000-0002-9217-0407>

 Recognize

**1315**  
Total COGs Received

**290**  
2020 COGs Received


**540**  
Award COGs


All ▾

Print

Visualize (Beta)

Show 10 ▾ entries

Date	COGs	Type	Depositor/Source	Reason/Contribution
1/30/2020	20	Peer	Sheila Rabun <a href="https://orcid.org/0000-0002-1196-6279">0000-0002-1196-6279</a>	Public outreach and education
1/22/2020	20	Peer	Marija Tomečak <a href="https://orcid.org/0000-0001-7495-9917">0000-0001-7495-9917</a>	Library Support
1/20/2020	50	Institutional	 PIDapalooza	Conference presentation <a href="#">Link</a> : PIDapalooza 2020 - Using PIDs (ORCID, ROR and DOI) to Re-think Researcher Recognition



# Researcher Recognition



## Visualization of Rescognito Open Ledger for Richard Wynne

### Richard Wynne

 <https://orcid.org/0000-0002-9217-0407>

Total Recognizers

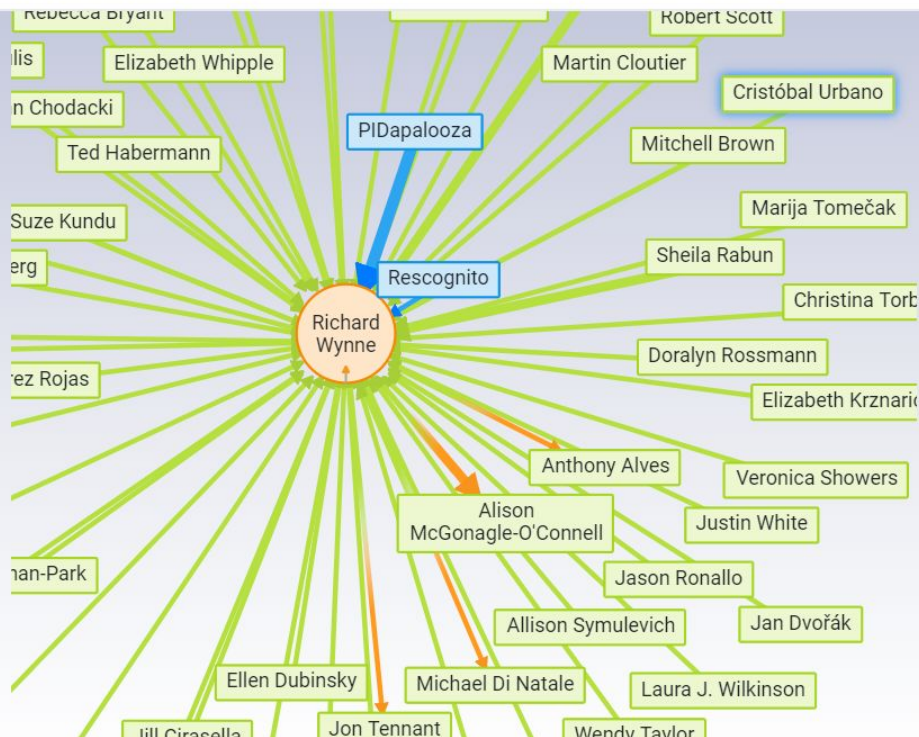
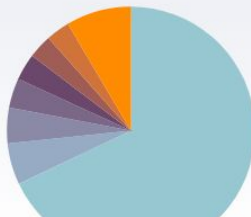
(including self): 59

Total COGs Received: 1315

Total COGs Given: 165

Total Self-Claimed COGs: 65

### Recognized For:



# Researcher Recognition



## Visualization of Rescognito Open Ledger for Richard Wynne

### Richard Wynne

 <https://orcid.org/0000-0002-9217-0407>

Total Recognizers

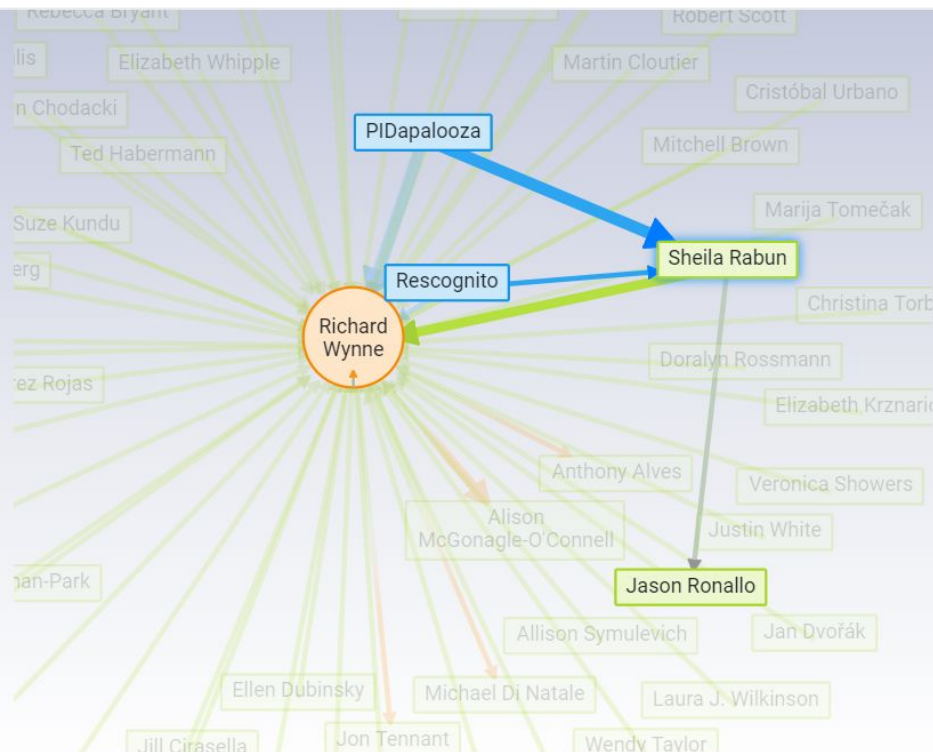
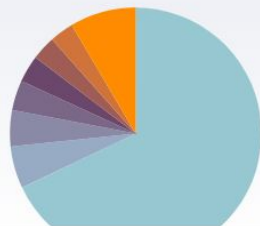
(including self): 59

Total COGs Received: 1315

Total COGs Given: 165

Total Self-Claimed COGs: 65

### Recognized For:





# ORCID for Research Administrators



# The Life of a Research Administrator



# How can ORCID help?

- ORCID iDs are unique identifiers for researchers
  - Think of all the systems where data “lives”
  - How easy is it to get that data to one place? (trick question!)
- Questions that need data as answers
  - Targeted investments, strategic planning
- Sponsored projects & Reducing faculty burden

# Sponsored Projects

- Proposal Applications & Institutional Profiles
  - What could the future look like?
- Grant application preparation
  - Share ID when interacting with funder / published / employer systems
  - Updates ORCID with information to interact with other research systems

# Systems & Access Policies

- Sponsor systems
  - National Institutes of Health
  - National Science Foundation
  - ProposalCENTRAL (what the future DOES look like)
- US public access policies
  - 2012 OSTP memo on publications & availability
  - ORCID is organic to this process
  - NIH Manuscript Submission & PubMed - not just for NIH anymore!

# Reducing Burden

- Reducing faculty burden
- Federal Demonstration Partnership (FDP)
  - Strategic planning
  - SciENCv
- American Innovation & Competitiveness Act (AICA 2017)
  - Research Business Models working group report
    - <https://www.whitehouse.gov/wp-content/uploads/2018/05/Reducing-Federal-Administrative-and-Regulatory-Burdens-on-Research.pdf>
    - <https://www.congress.gov/bill/114th-congress/senate-bill/3084>

# University of Arizona

- History of SciENCv includes universities!
- What we're doing:
  - Integration with UAVitae, our online system for annual faculty reviews
  - Collaboration with VPR office and libraries on public access, open access, repositories
  - Brainstorming applications for ORCID information
  - What we hope(d) to do, then COVID-19 hit

# Call to Action

- Meet your research librarians!
- Watch the NSF webinars (links on next slide)
- FDP members: get involved on this topic!
- Learn about ORCID at your institution & encourage your faculty to grant access - how can you help?
- Work with your eRA vendors to add ORCID to systems

# Research Admin Resources

- SciENCv (includes tutorials): <https://www.ncbi.nlm.nih.gov/sciencv/>
- NSF Webinars
  - April 9 recording - NSF and SciENCv  
<https://www.nsfpolicyoutreach.com/resources/april-2020-nsf-approved-formats-for-proposals/>
  - May 14, 2020 - PAPPG updates- Biosketch, Current & Pending Support: [https://www.nsf.gov/bfa/dias/policy/era\\_forum.jsp](https://www.nsf.gov/bfa/dias/policy/era_forum.jsp)
- NIH Trainees, Fellows, Career (K) awards:  
<https://grants.nih.gov/grants/guide/notice-files/NOT-OD-19-109.html>
- Institutional practices:
  - North Carolina State University: <https://ci.lib.ncsu.edu>
  - University of Arizona: <https://orcid.arizona.edu>



Questions?