SRA INTERNATIONAL | SOCIETY OF RESEARCH ADMINISTRATORS INTERNATIONAL

Intro to ORCID for Research Administrators

April 14, 2020

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ORCID US Community Specialist

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ORCID
Engagement Manager, Americas

Agenda

1. What is ORCID?
2. How does ORCID work?
3. What are the benefits of ORCID?
4. Next steps & learn more
5. Questions

ORCID
Connecting Research and Researchers

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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.

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
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

Biography

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

Employment (1) — Sort

State University: Town, US
2015-09 to present | Associate Professor (Department of Geography)
Employment
Source: Sofia Maria Hernandez Garcia ★ Preferred source

Education and qualifications (1) — Sort

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

Funding (1) — Sort

Grant for ORCID
Wellcome Trust (London)
2014 to present | Grant
Source: Sofia Maria Hernandez Garcia ★ Preferred source

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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)

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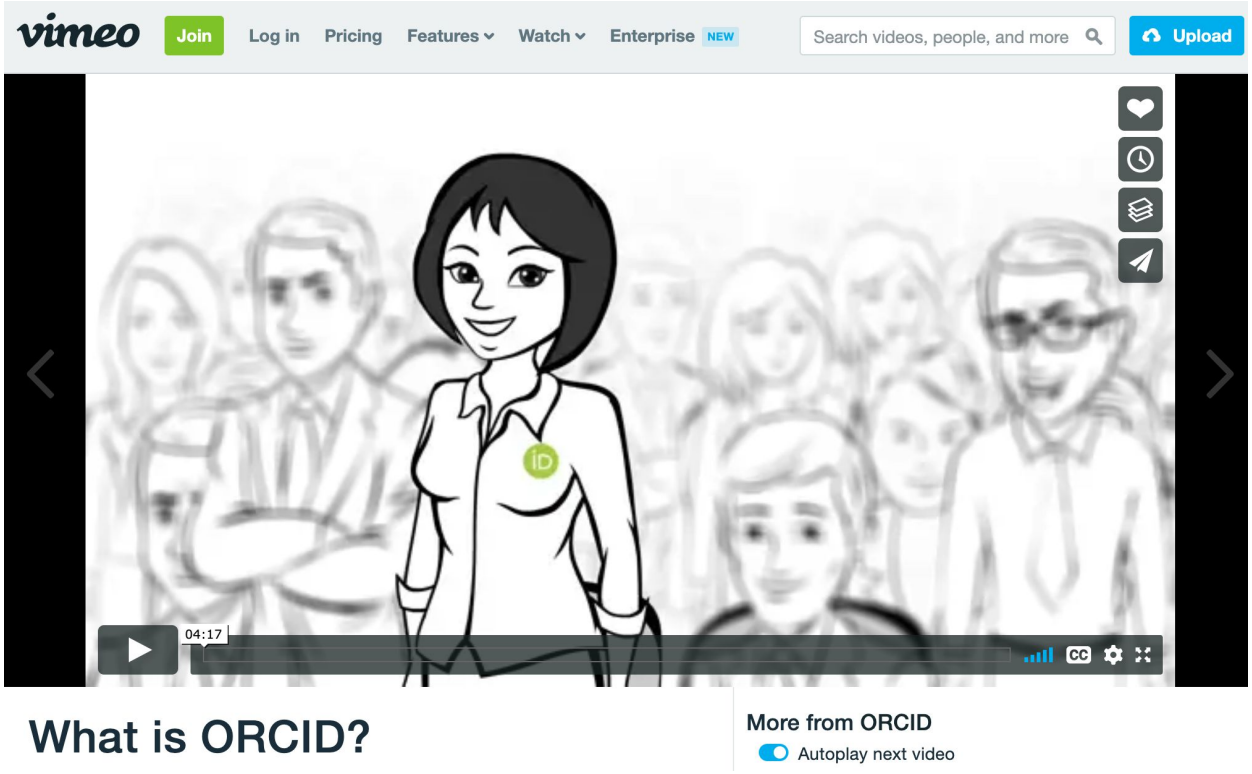
What is ORCID? https://vimeo.com/97150912



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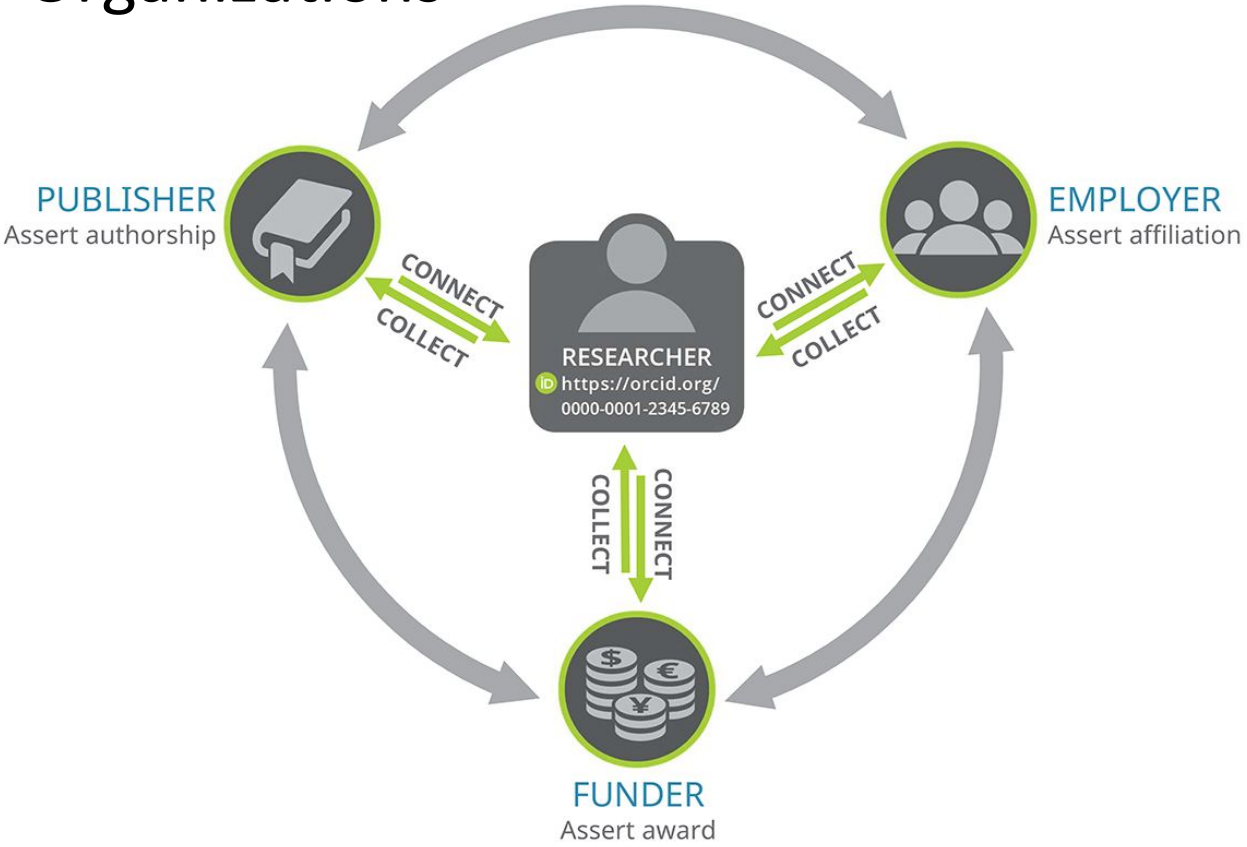
ORCID for Organizations



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

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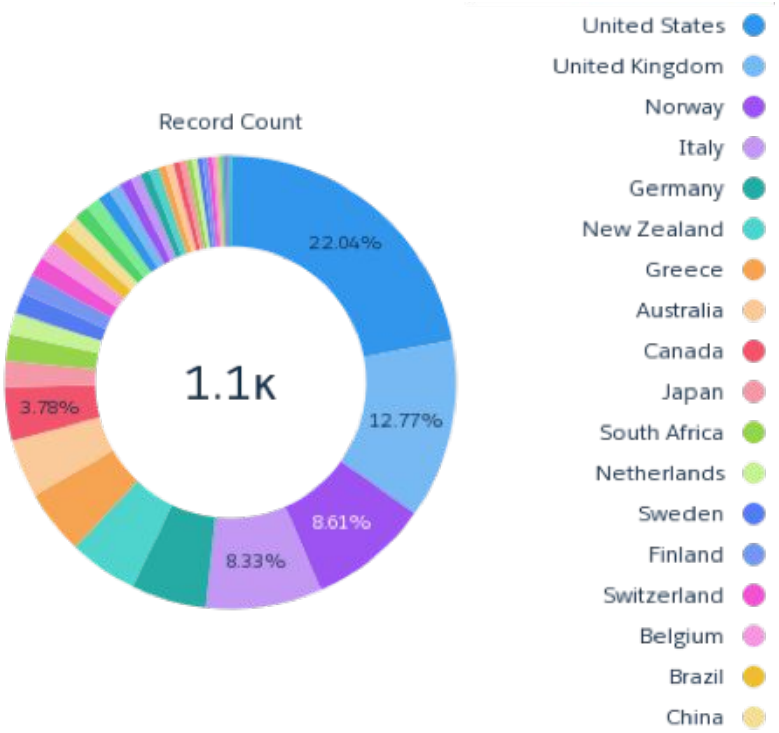
8.3 million researchers have an ORCID iD

1,133 organizational members

21 national/regional consortia



ORCID US Community Consortium - 132+ Members

LYRASIS®

More info: http://orcid.us.org

Poll: What type of organization do you represent?

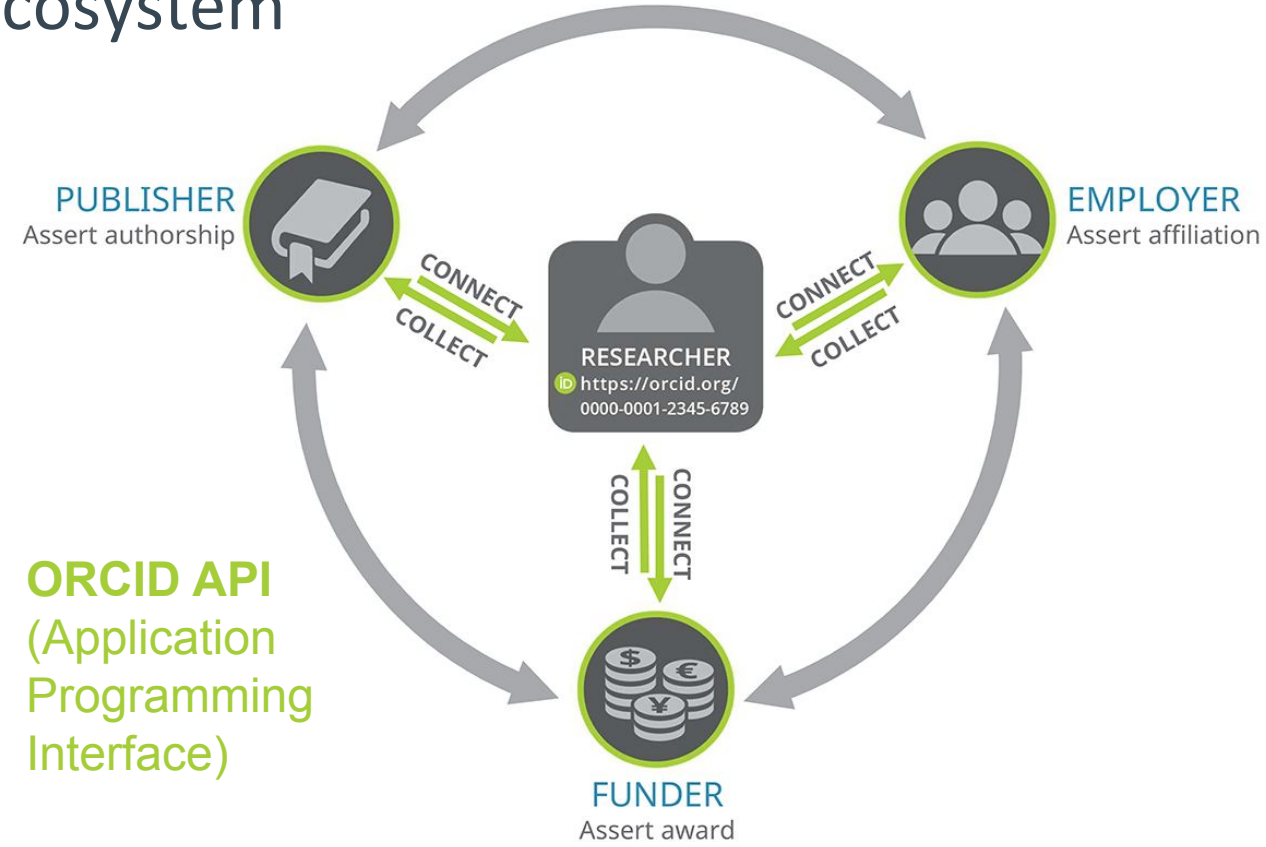
A. University
B. Research institute
C. Commercial sector
D. Health or hospital system
E. Government agency
F. Other

Organizations use ORCID to:

- Uniquely identify researchers
- Streamline institutional research reporting
- Keep up with researchers' activities & contributions
- Meet grant application and reporting requirements
  - National Institutes of Health (NIH)
  - National Science Foundation (NSF)
- Compile current, accurate data for school rankings (US Law Schools)

How does ORCID work?

ORCID Ecosystem

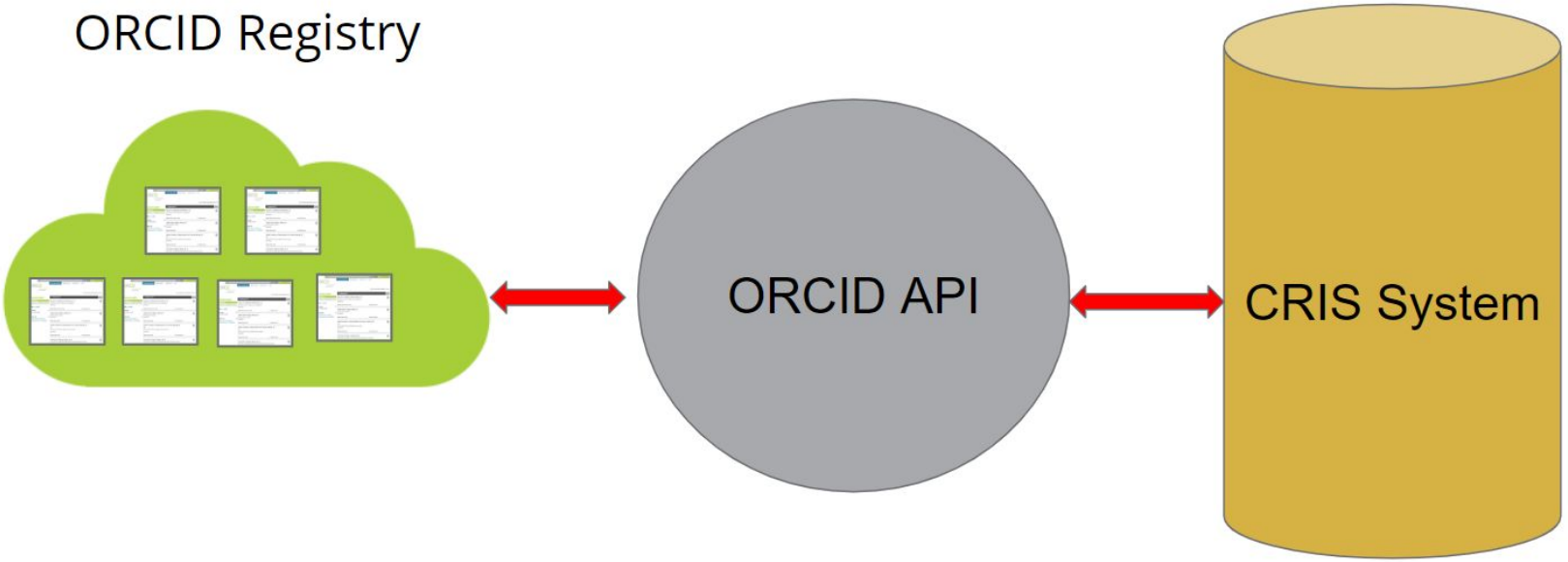


ORCID API
(Application Programming Interface)

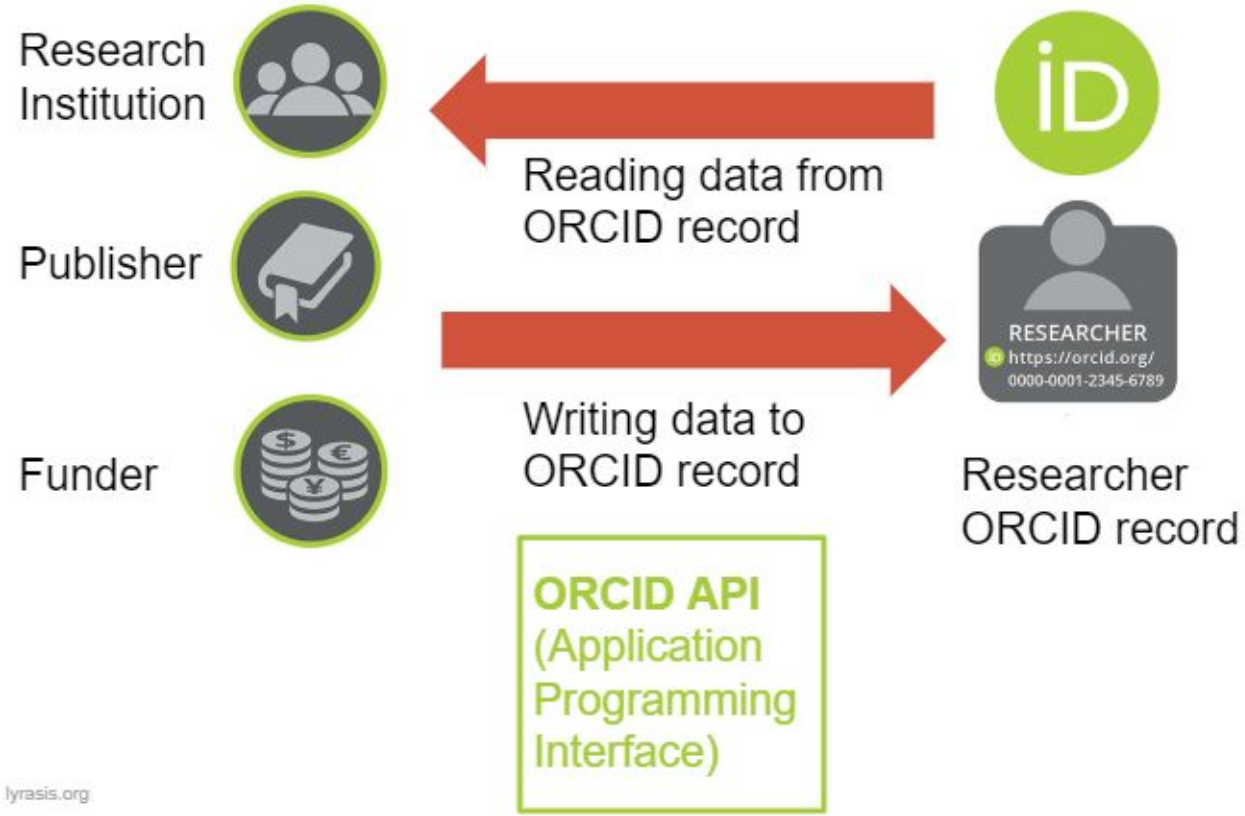
ORCID Registry

Where 8+ Million ORCID iD records are stored

API Technology to Transfer Data

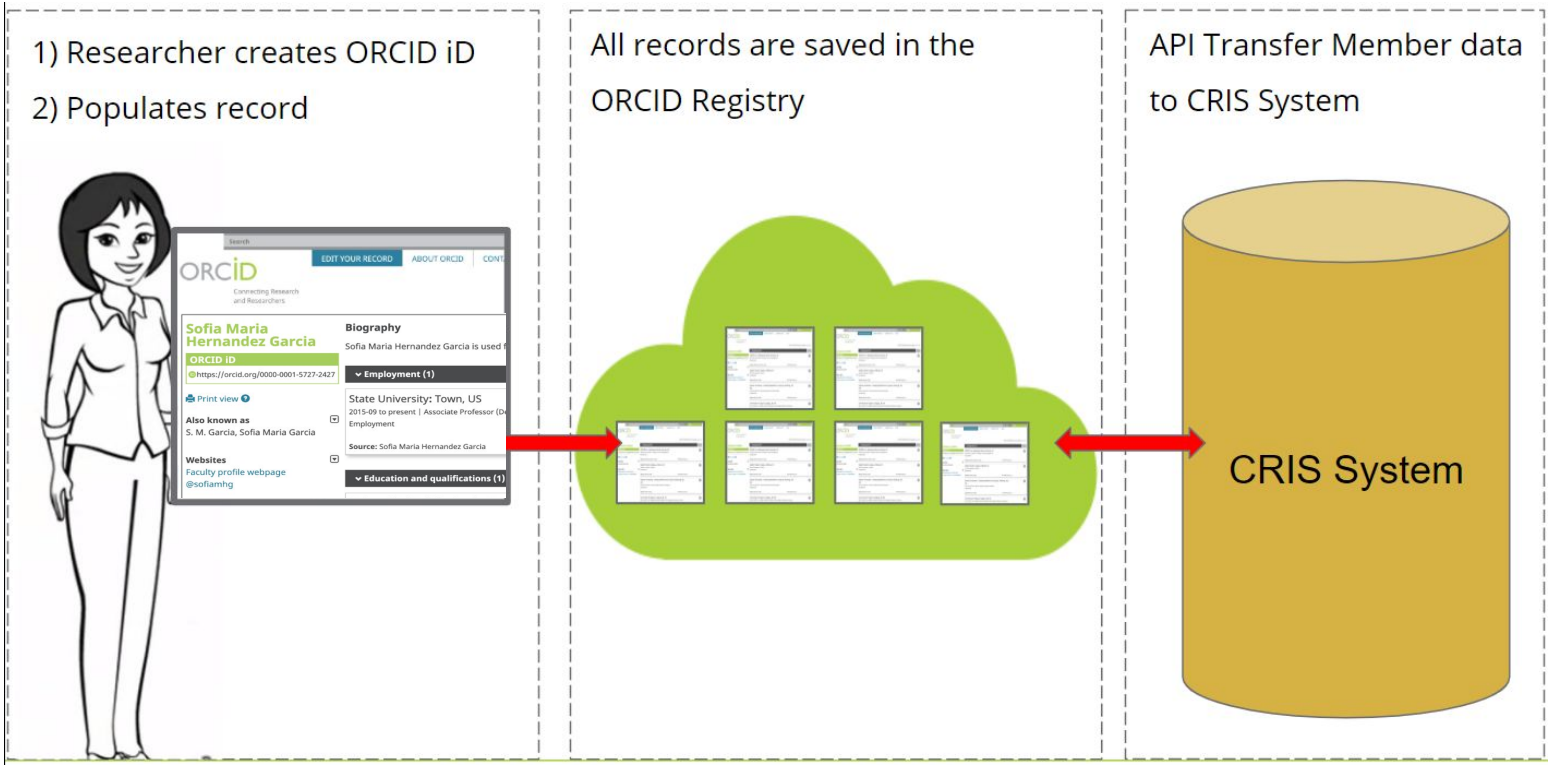


ORCID API

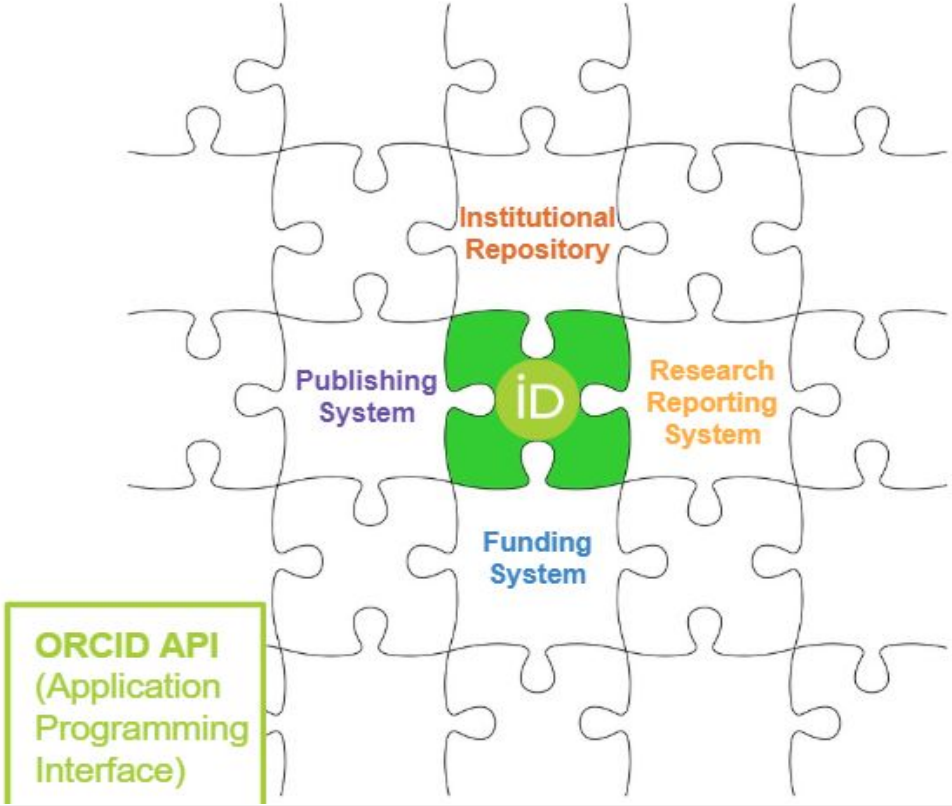


More info: https://www.lyrasis.org/Leadership/Pages/orcid-us-api.aspx

Overview of data flow



ORCID = Interoperability



ORCID API integration

- Institutional ID and Profile Systems
- Current Research Information Systems (CRIS)
- Grant Management
- Human Resources
- Institutional Repositories
- Publishing Platforms
- Peer Review
- Data Management Platform

More info: https://www.lyrasis.org/Leadership/Pages/orcid-technical-support.aspx

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Poll:

What system does your institution use?

A. Atlas
B. Digital Measures
C. Faculty 180
D. InfoEd
E. Pure
F. Symplectic Elements
G. Other

ORCID-integrated vendor systems

More info: http://members.orcid.org/api/orcid-enabled-systems

What are the benefits of ORCID?

Benefits of ORCID

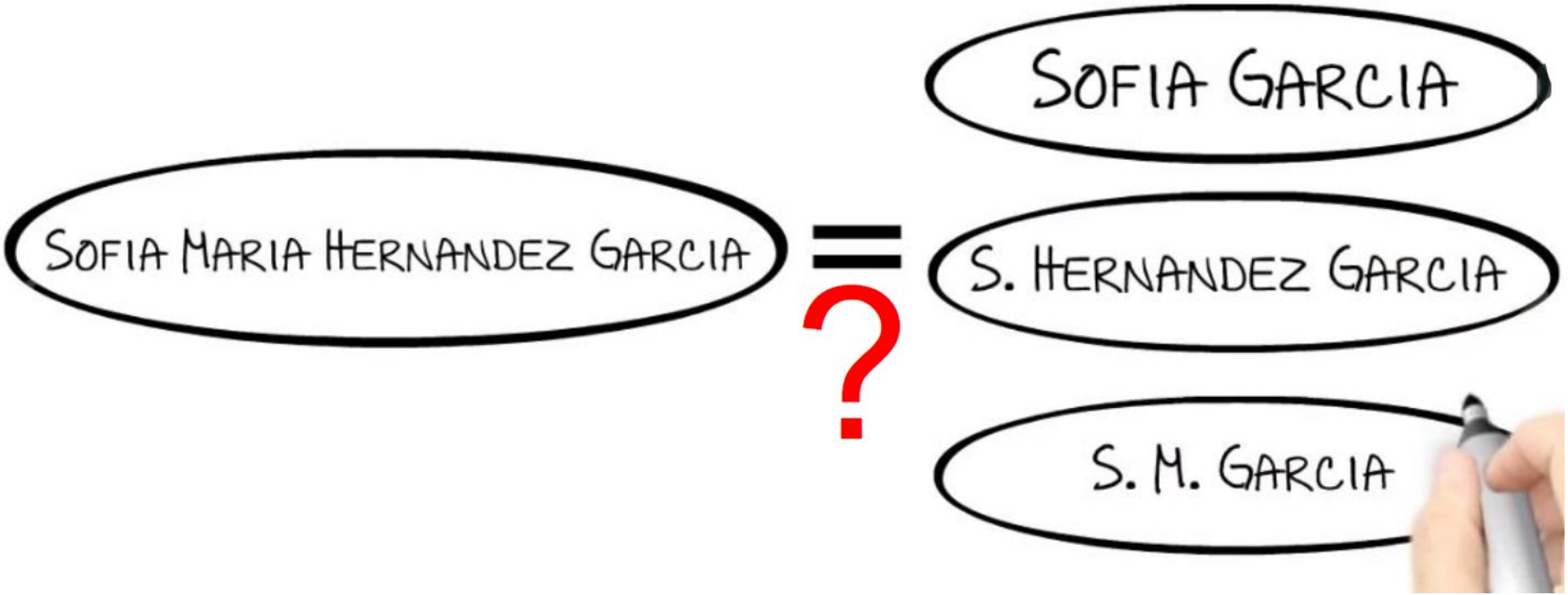
- **Mitigate** confusion caused by name ambiguity

- **Assess** individual contributions & measure **institutional impact**

- **Assert** trustworthy & accurate affiliations

- **Save** time & reduce administrative burden

Mitigate confusion caused by name ambiguity



The Value of Using Unique Identifiers for Researchers

What's in a Name?

Most names are not unique

Many people have the same name

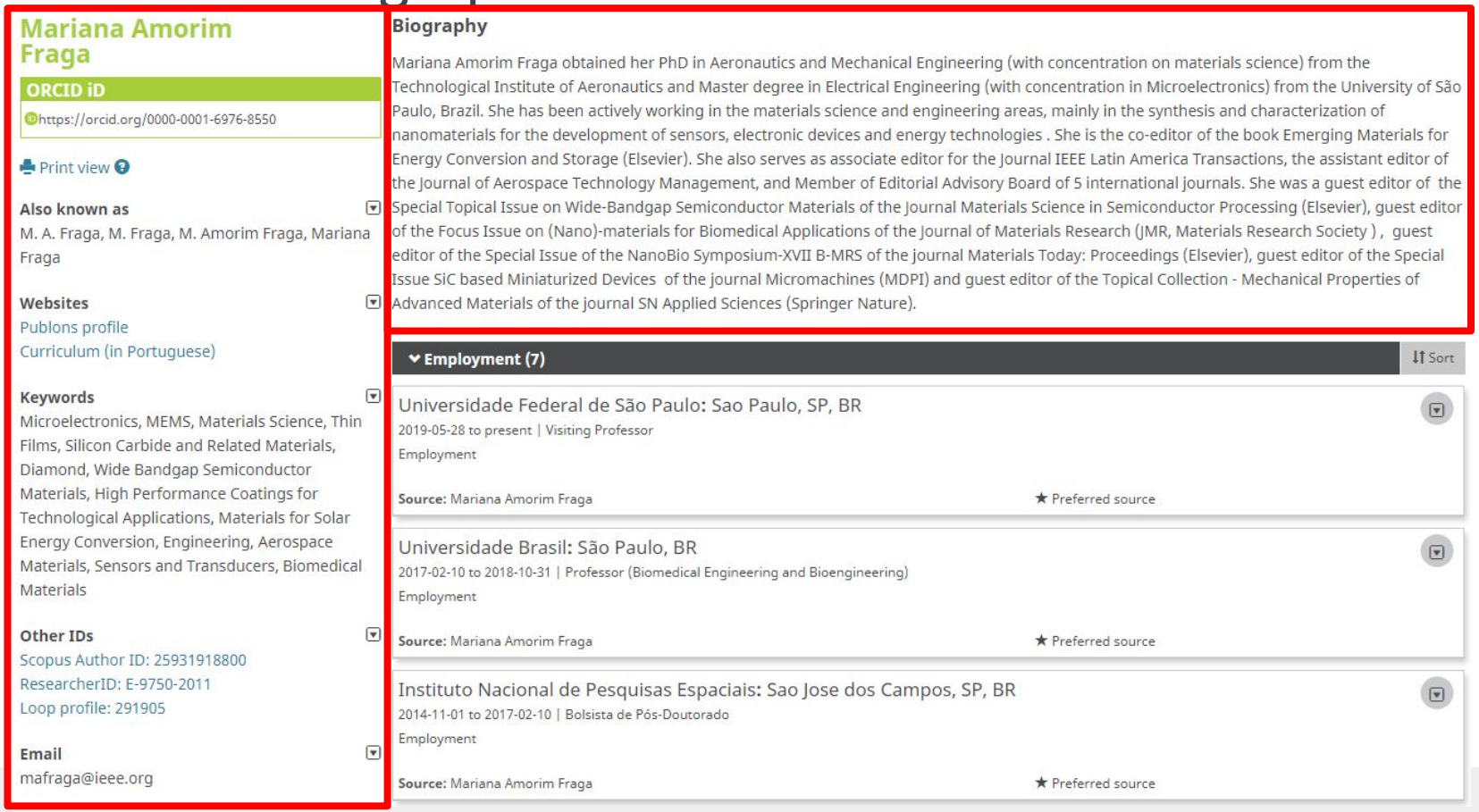
Names may change through marriage or other circumstances

People use different versions of their name during their career

Benefits of ORCID

- **Mitigate** confusion caused by name ambiguity
- **Assess** individual contributions & measure **institutional impact**
- **Assert** trustworthy & accurate affiliations
- **Save** time & reduce administrative burden

ORCID Data: Biographical & Other Details



Mariana Amorim Fraga

ORCID iD

https://orcid.org/0000-0001-6976-8550

Print view

Also known as

M. A. Fraga, M. Fraga, M. Amorim Fraga, Mariana Fraga

Websites

Publons profile

Curriculum (in Portuguese)

Keywords

Microelectronics, MEMS, Materials Science, Thin Films, Silicon Carbide and Related Materials, Diamond, Wide Bandgap Semiconductor Materials, High Performance Coatings for Technological Applications, Materials for Solar Energy Conversion, Engineering, Aerospace Materials, Sensors and Transducers, Biomedical Materials

Other IDs

Scopus Author ID: 25931918800

ResearcherID: E-9750-2011

Loop profile: 291905

Email

mafraga@ieee.org

Biography

Mariana Amorim Fraga obtained her PhD in Aeronautics and Mechanical Engineering (with concentration on materials science) from the Technological Institute of Aeronautics and Master degree in Electrical Engineering (with concentration in Microelectronics) from the University of São Paulo, Brazil. She has been actively working in the materials science and engineering areas, mainly in the synthesis and characterization of nanomaterials for the development of sensors, electronic devices and energy technologies . She is the co-editor of the book Emerging Materials for Energy Conversion and Storage (Elsevier). She also serves as associate editor for the Journal IEEE Latin America Transactions, the assistant editor of the Journal of Aerospace Technology Management, and Member of Editorial Advisory Board of 5 international journals. She was a guest editor of the Special Topical Issue on Wide-Bandgap Semiconductor Materials of the Journal Materials Science in Semiconductor Processing (Elsevier), guest editor of the Focus Issue on (Nano)-materials for Biomedical Applications of the Journal of Materials Research (JMR, Materials Research Society) , guest editor of the Special Issue of the NanoBio Symposium-XVII B-MRS of the journal Materials Today: Proceedings (Elsevier), guest editor of the Special Issue SiC based Miniaturized Devices of the journal Micromachines (MDPI) and guest editor of the Topical Collection - Mechanical Properties of Advanced Materials of the journal SN Applied Sciences (Springer Nature).

Employment (7) Sort

Universidade Federal de São Paulo: Sao Paulo, SP, BR

2019-05-28 to present | Visiting Professor

Employment

Source: Mariana Amorim Fraga ★ Preferred source

Universidade Brasil: São Paulo, BR

2017-02-10 to 2018-10-31 | Professor (Biomedical Engineering and Bioengineering)

Employment

Source: Mariana Amorim Fraga ★ Preferred source

Instituto Nacional de Pesquisas Espaciais: Sao Jose dos Campos, SP, BR

2014-11-01 to 2017-02-10 | Bolsista de Pós-Doutorado

Employment

Source: Mariana Amorim Fraga ★ Preferred source

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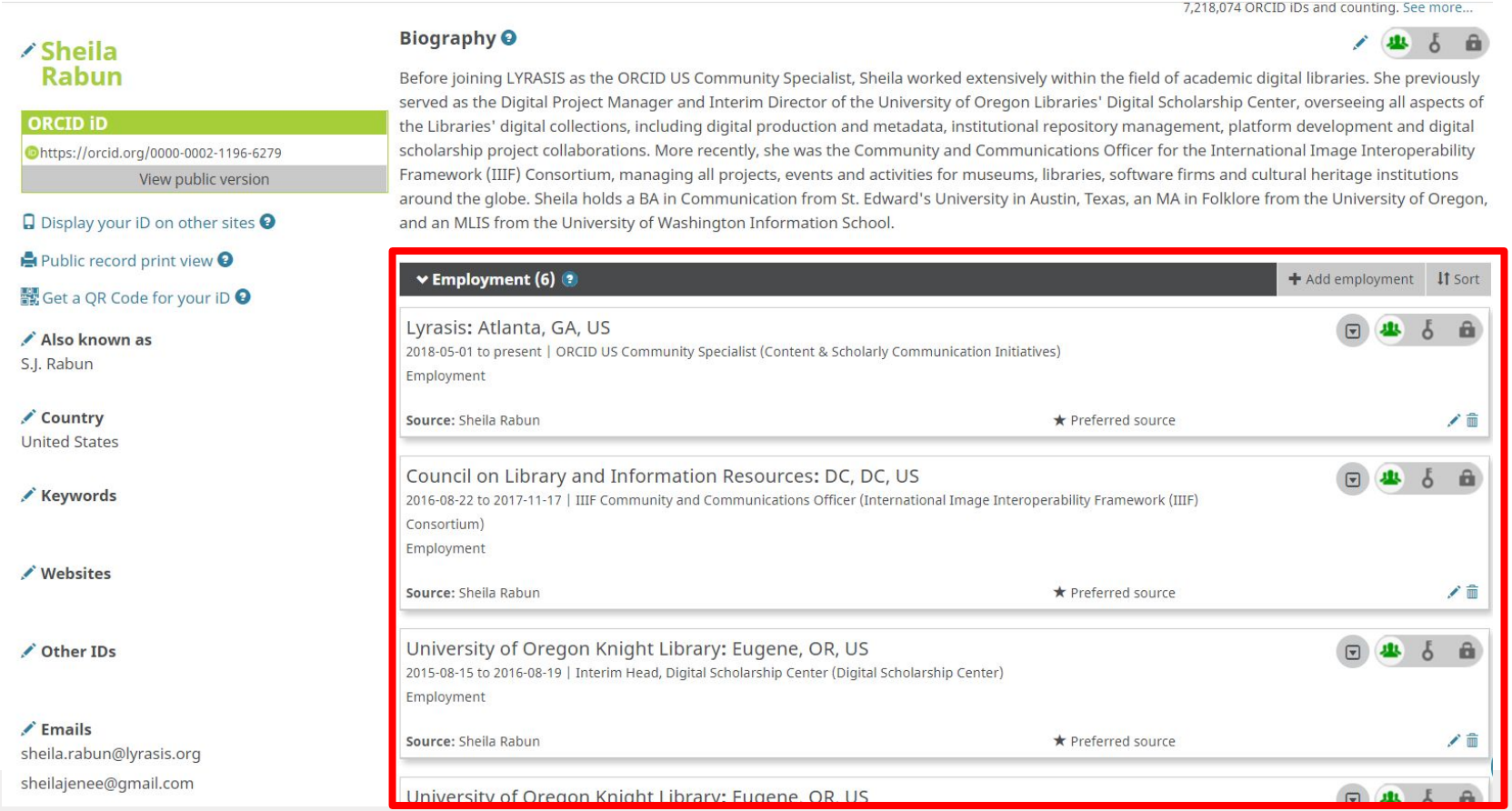
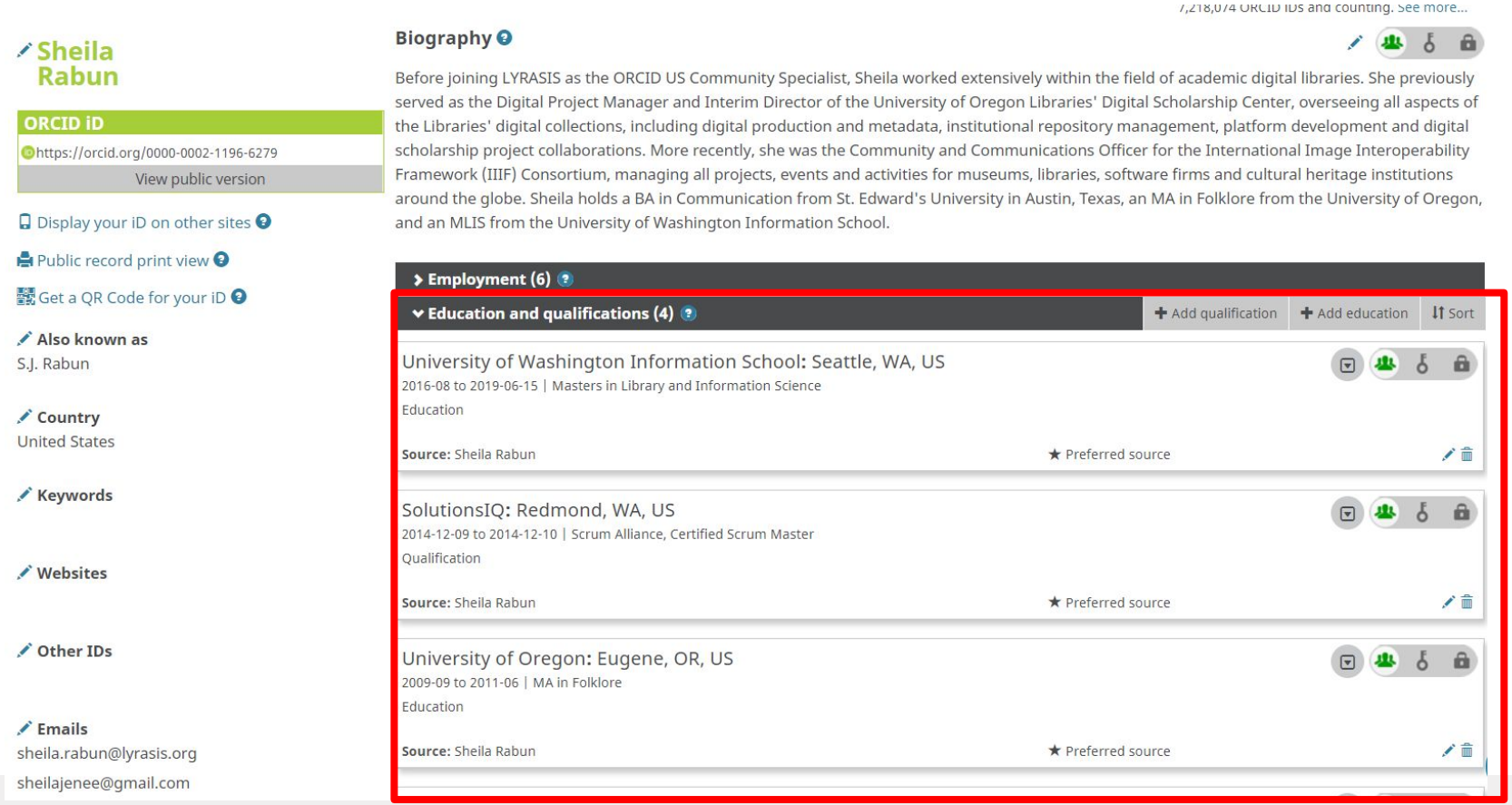
ORCID Data: Employment



ORCID Data: Education & Qualifications



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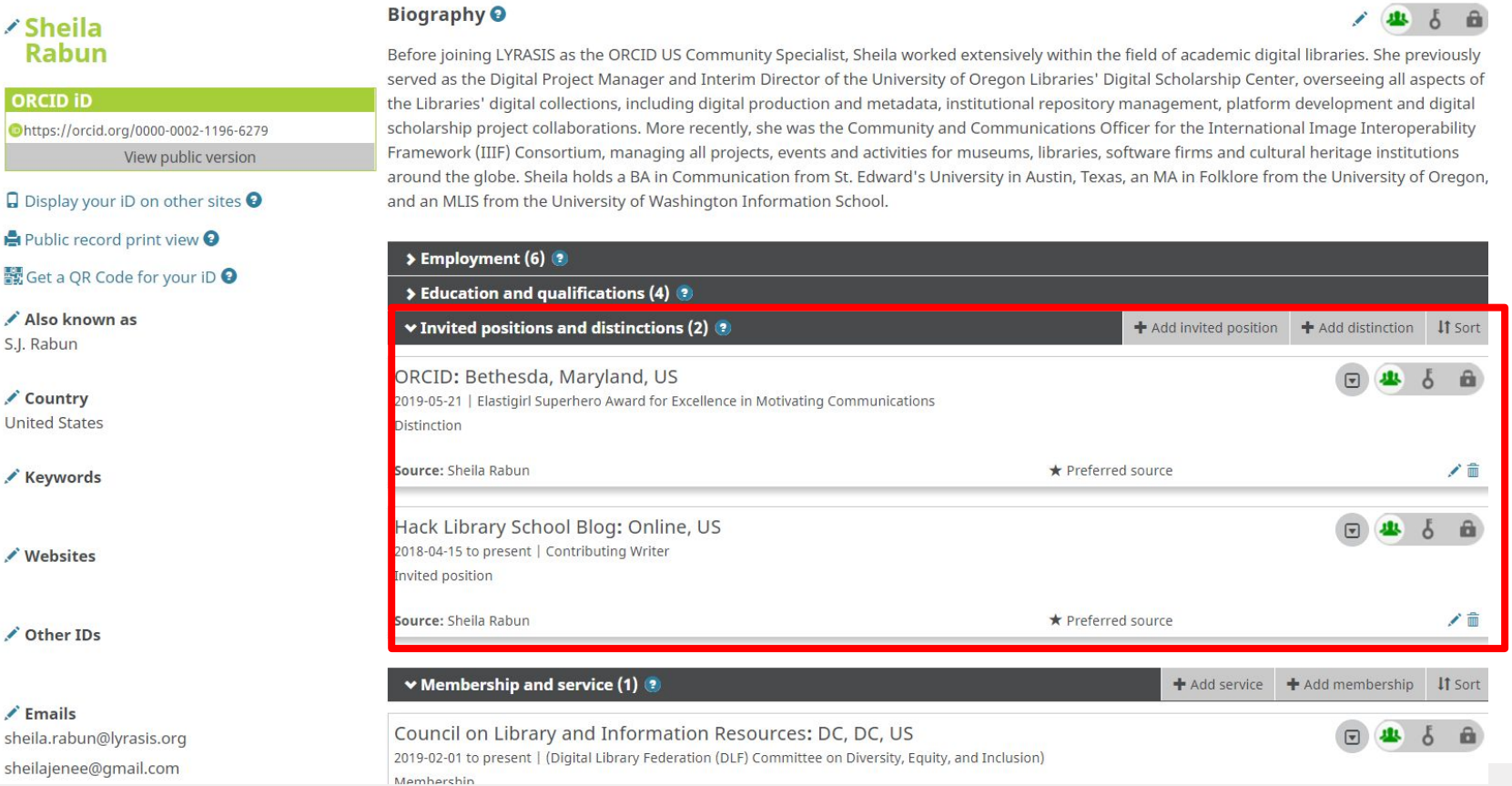
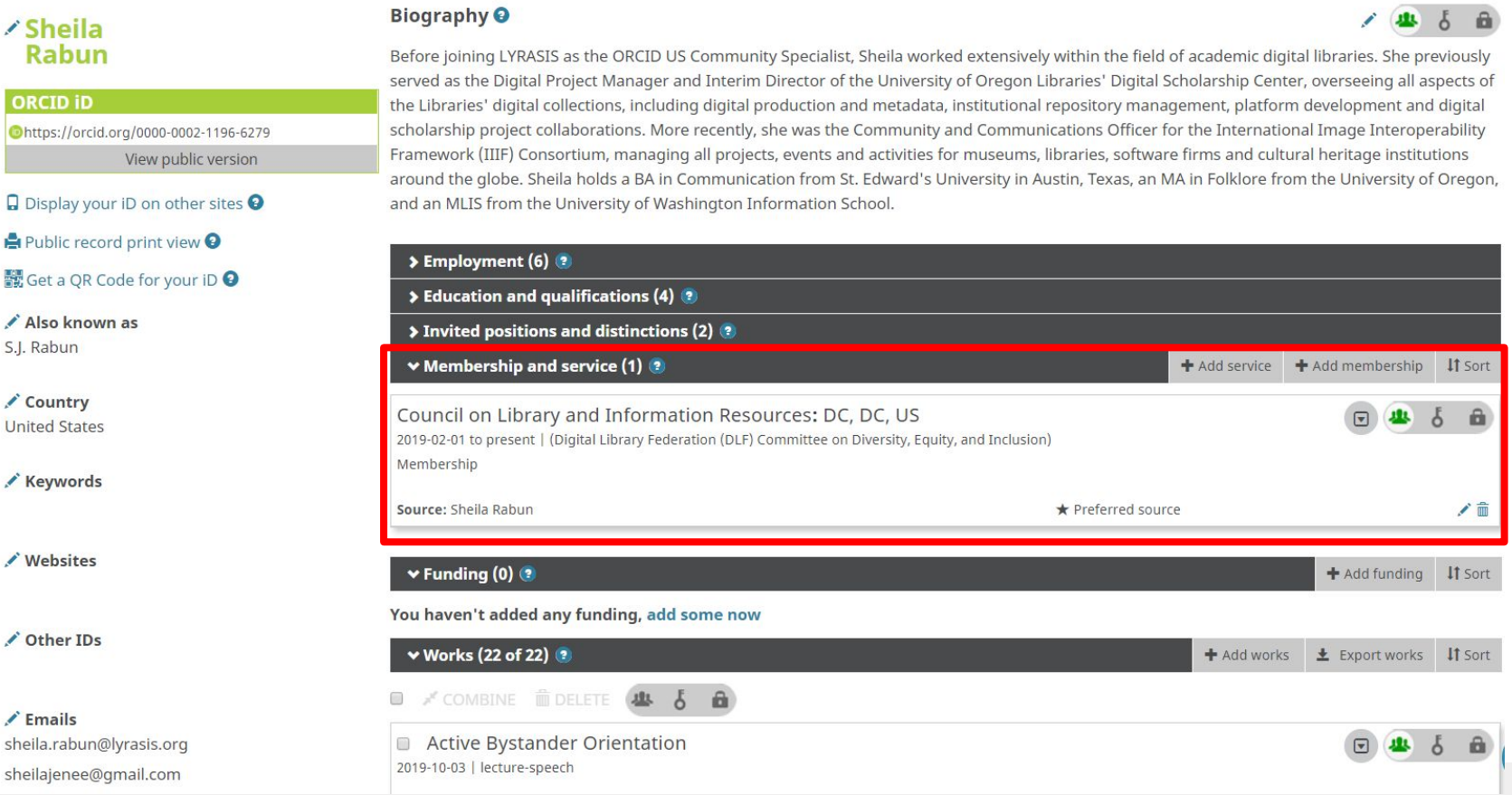
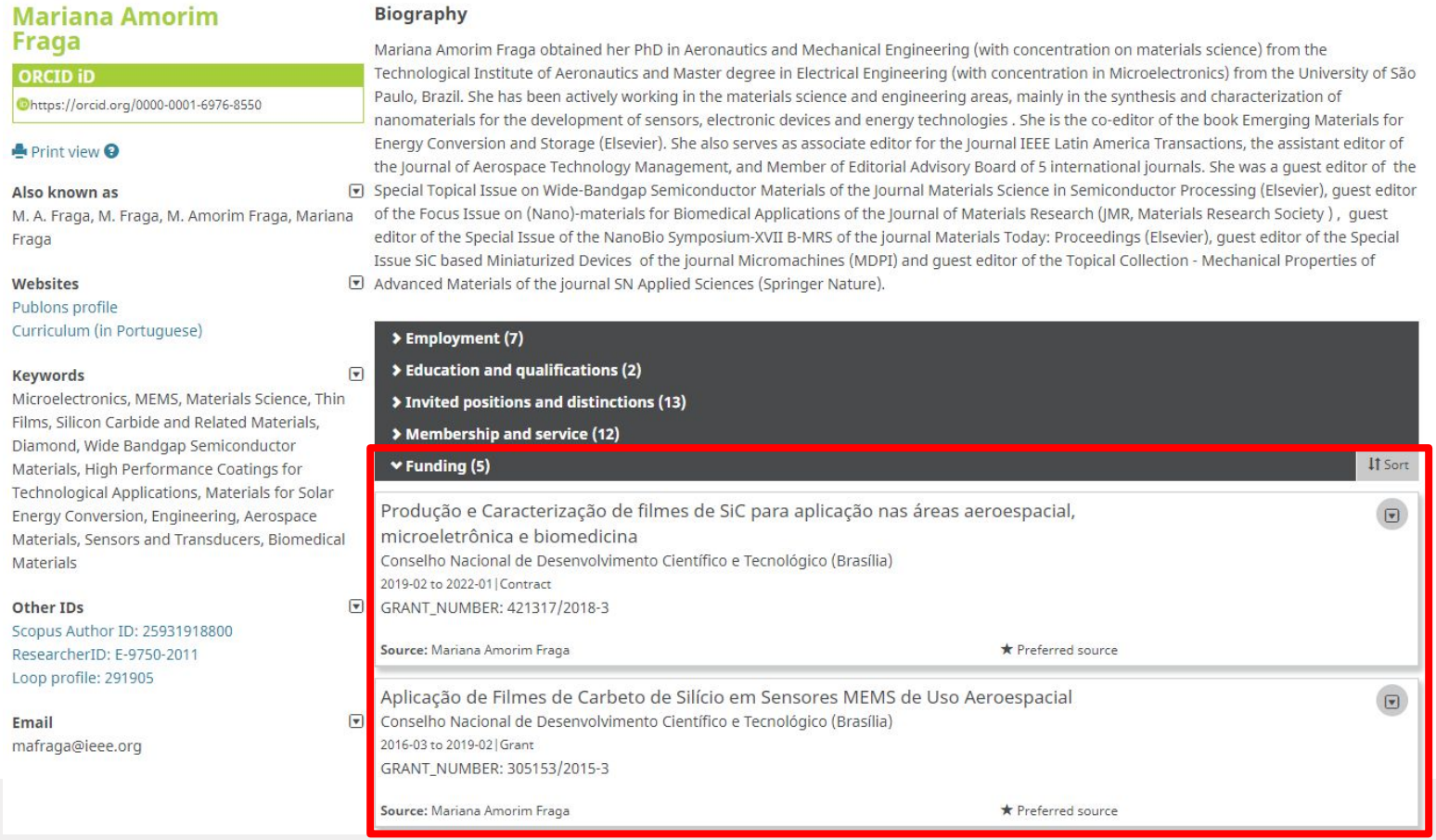
ORCID Data: Invited Positions & Distinctions



ORCID Data: Memberships & Service



ORCID Data: Funding



Mariana Amorim Fraga

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Employment (7)

Education and qualifications (2)

Invited positions and distinctions (13)

Membership and service (12)

Funding (5) Sort

Produção e Caracterização de filmes de SiC para aplicação nas áreas aeroespacial, microeletrônica e biomedicina

Conselho Nacional de Desenvolvimento Científico e Tecnológico (Brasília)

2019-02 to 2022-01 | Contract

GRANT_NUMBER: 421317/2018-3

Source: Mariana Amorim Fraga ★ Preferred source

Aplicação de Filmes de Carbeto de Silício em Sensores MEMS de Uso Aeroespacial

Conselho Nacional de Desenvolvimento Científico e Tecnológico (Brasília)

2016-03 to 2019-02 | Grant

GRANT_NUMBER: 305153/2015-3

Source: Mariana Amorim Fraga ★ Preferred source

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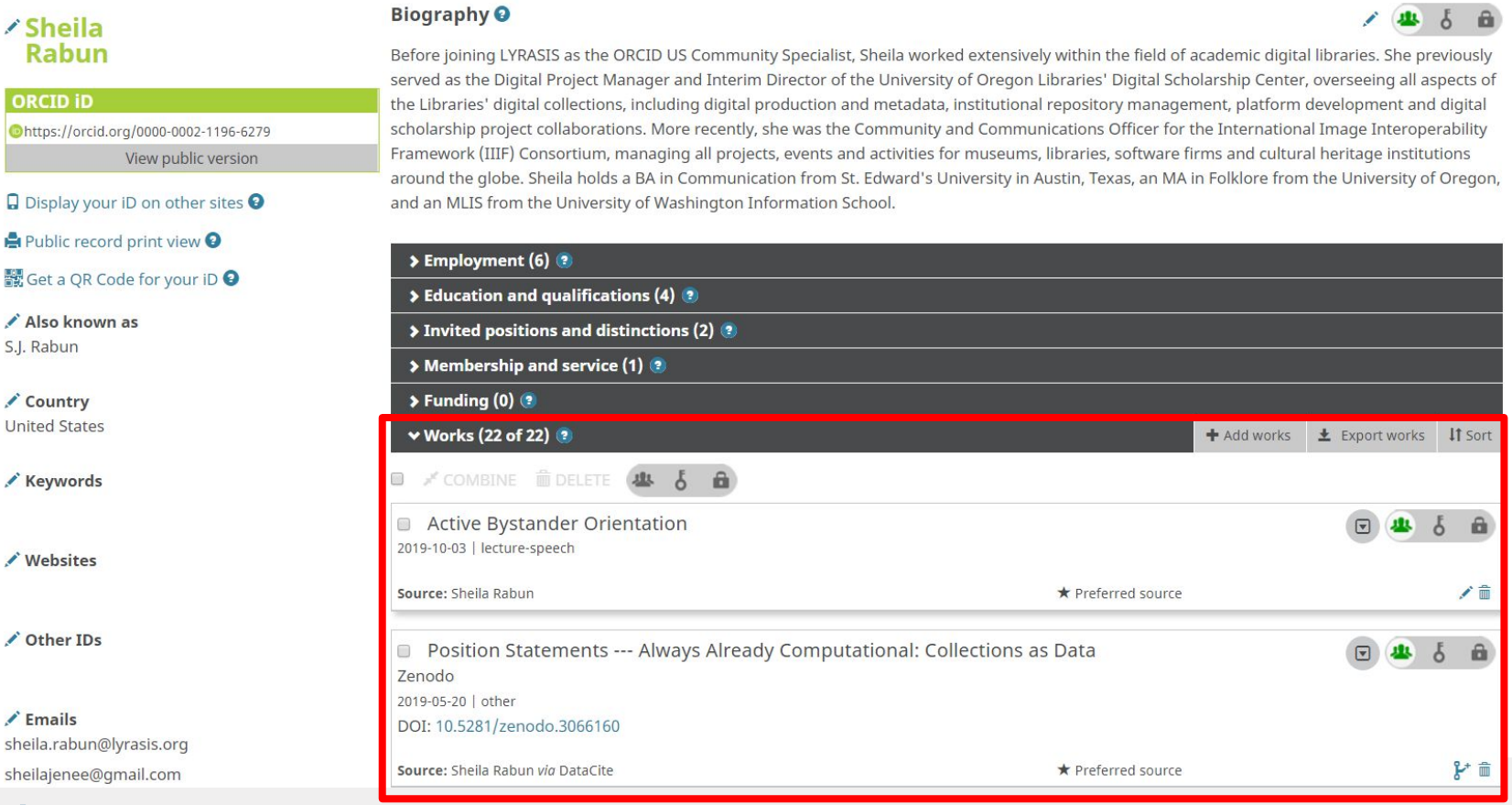
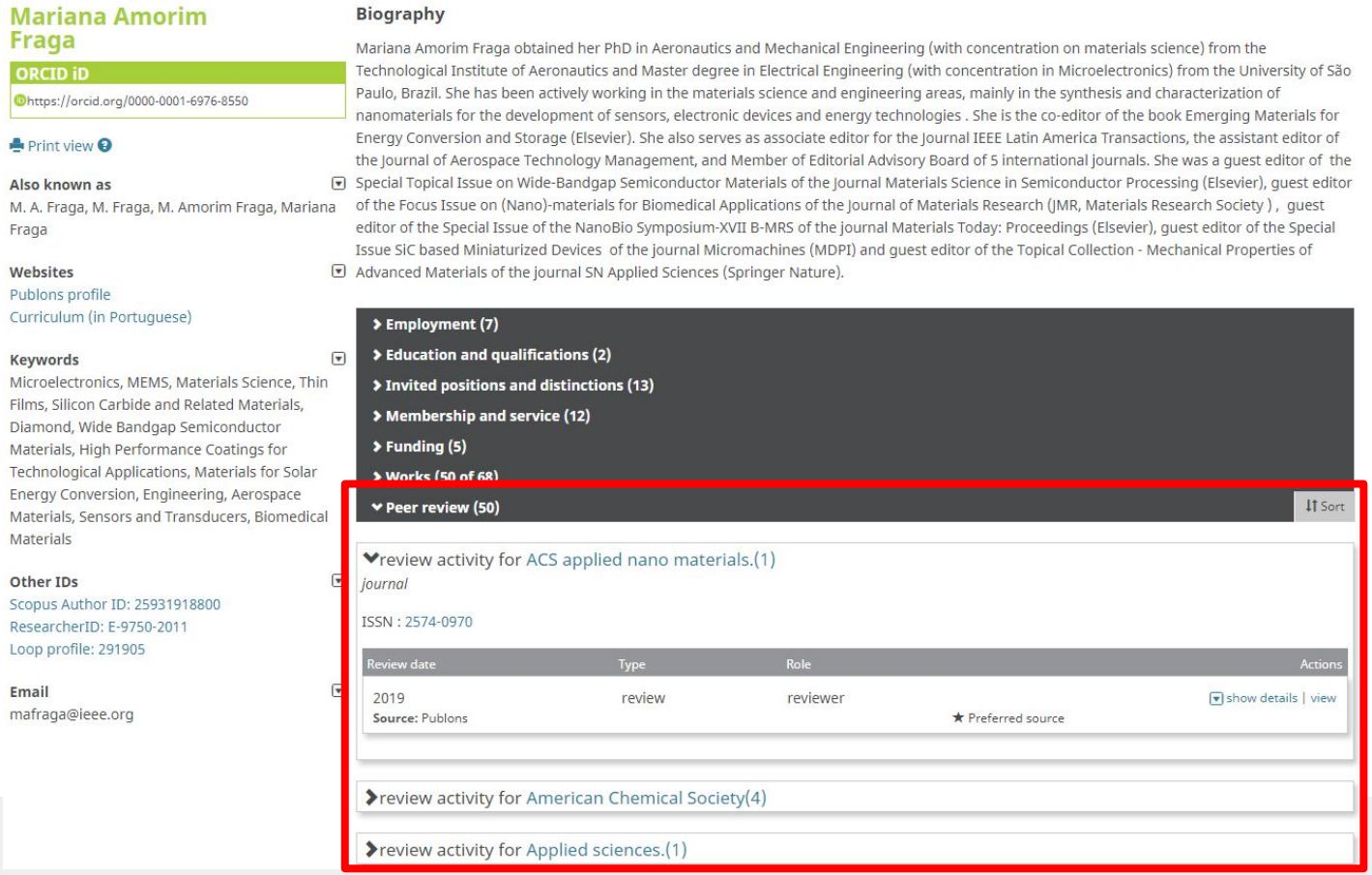
ORCID Data: Works



ORCID Data: Peer Review Activity



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ORCID iD

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› Employment (7)

› Education and qualifications (2)

› Invited positions and distinctions (13)

› Membership and service (12)

› Funding (5)

› Works (50 of 68)

⌄ Peer review (50) ⇅ Sort

⌄review activity for ACS applied nano materials.(1)

journal

ISSN : 2574-0970

Review date	Type	Role	Actions
2019 **Source:** Publons	review	reviewer ★ Preferred source	show details | view

›review activity for American Chemical Society(4)

›review activity for Applied sciences.(1)

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ORCID Data: Research Resources

Tullis Onstott

ORCID iD

https://orcid.org/0000-0002-2898-3374

Print view

Research resources (2 of 2) Sort

Probing the Extreme Temperature and Salinity Limits of Deep Subsurface CH4-cycling Chemolithoautotrophic Microbial Syntrophic Communities and Their Assembly Using NanoSIMS and FISH-TAMB

2019-10-01 to 2021-09-30

DOI: 10.25582/v01.proj.2019.50760

Environmental Molecular Sciences Laboratory (Richland, WA, US)

Organization identifiers

GRID: grid.436923.9

Environmental Molecular Sciences Laboratory: Richland, Washington, US

http://www.emsl.pnnl.gov/emslweb/

Other organization identifiers provided by GRID

ISNI: 0000 0004 0373 6523

ORGREF: 19642725

ROR: https://ror.org/04rc0xn13 (preferred)

WIKIDATA: Q5381141

WIKIPEDIA_URL: https://en.wikipedia.org/wiki/Environmental_Molecular_Sciences_Laboratory (preferred)

Added

2019-08-01

Last modified

2019-08-01

Help

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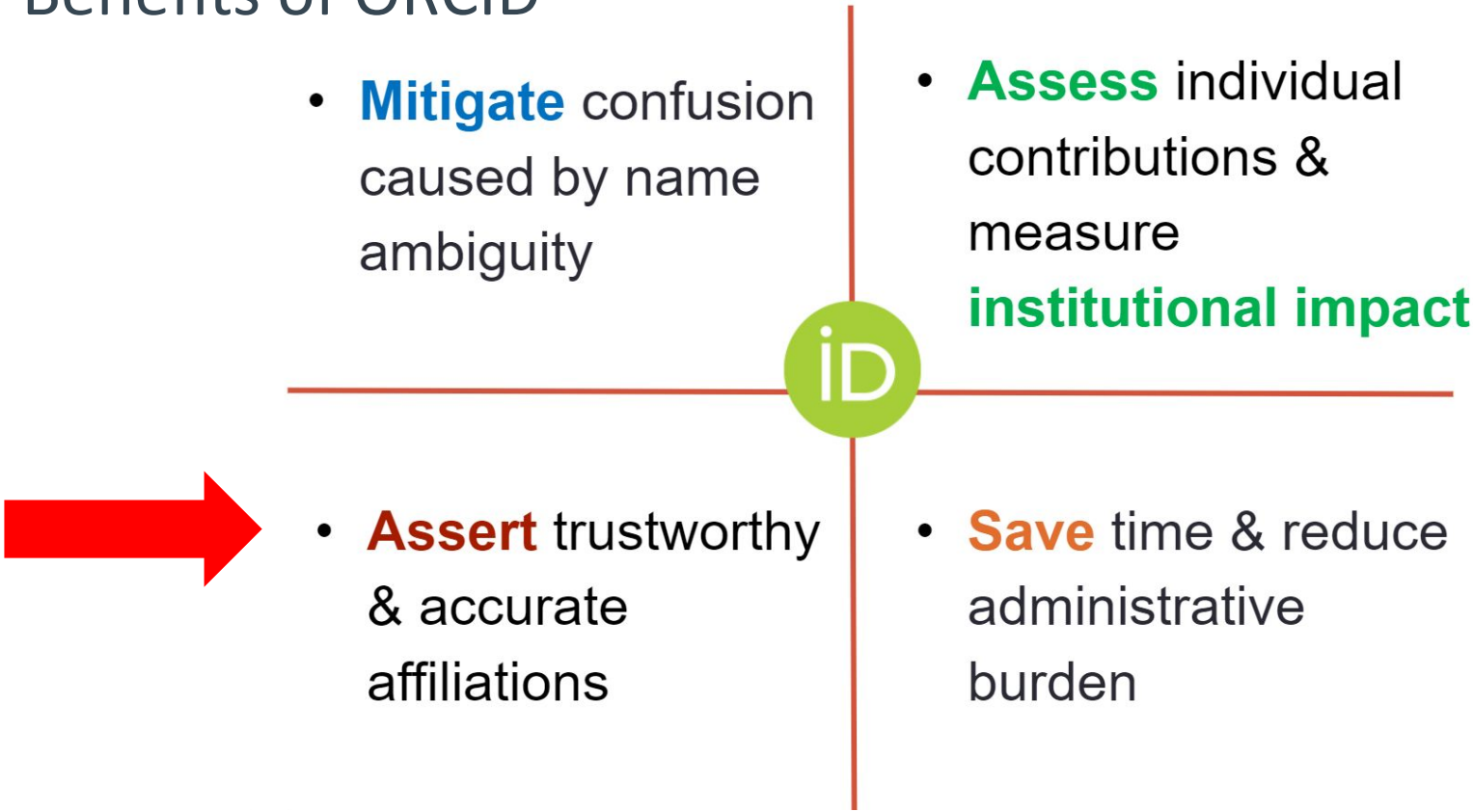
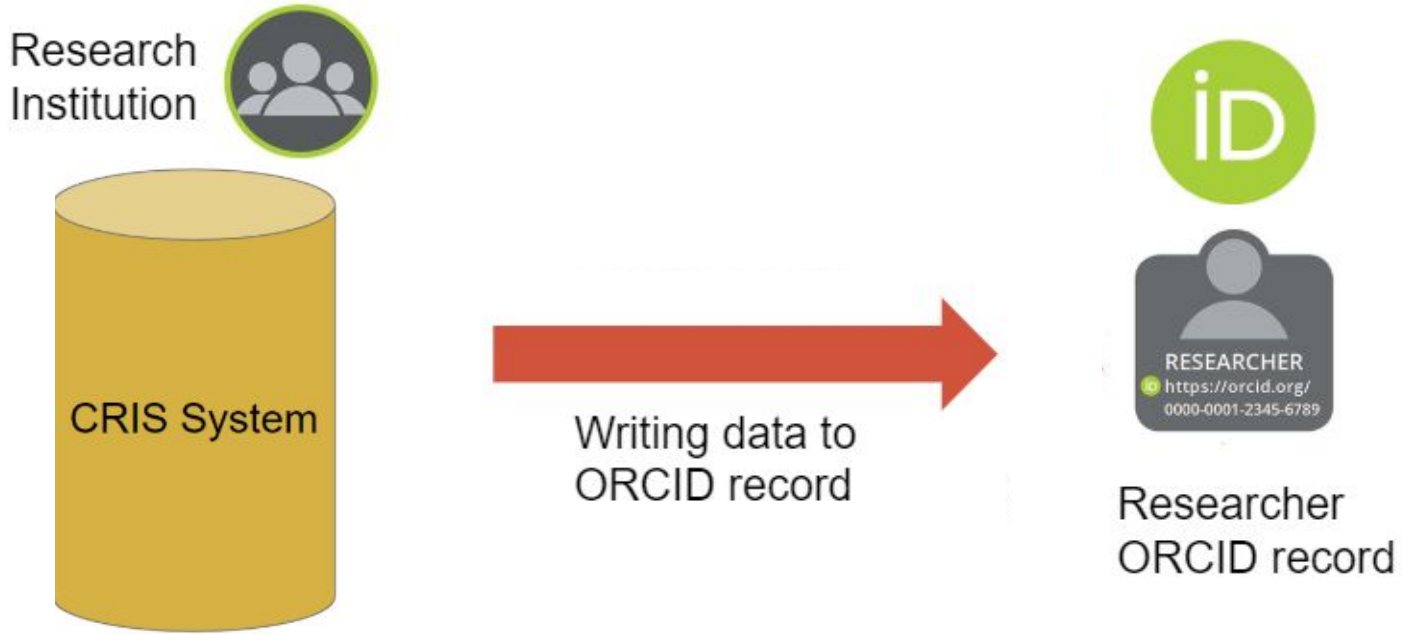
Assessment of individual and group activities

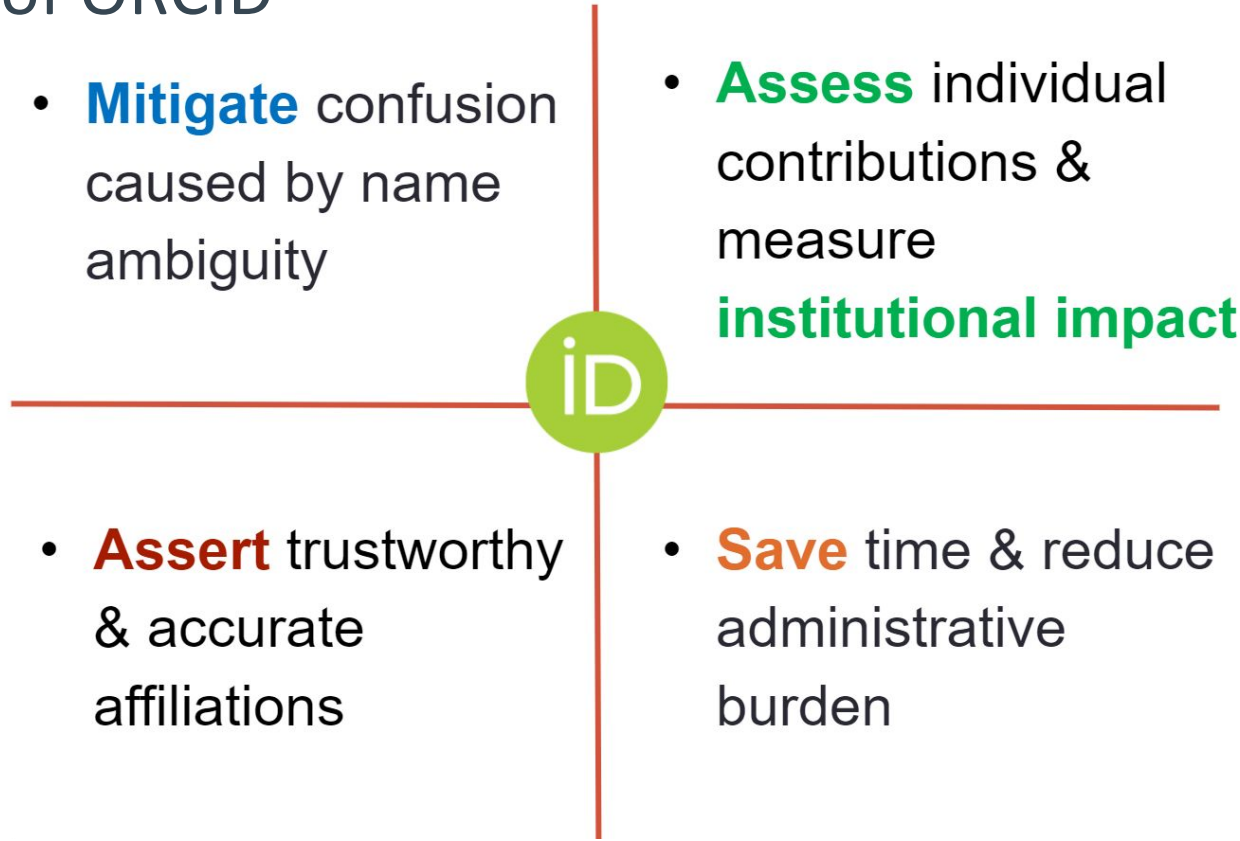
Benefits of ORCID



Assert trustworthy and accurate affiliations

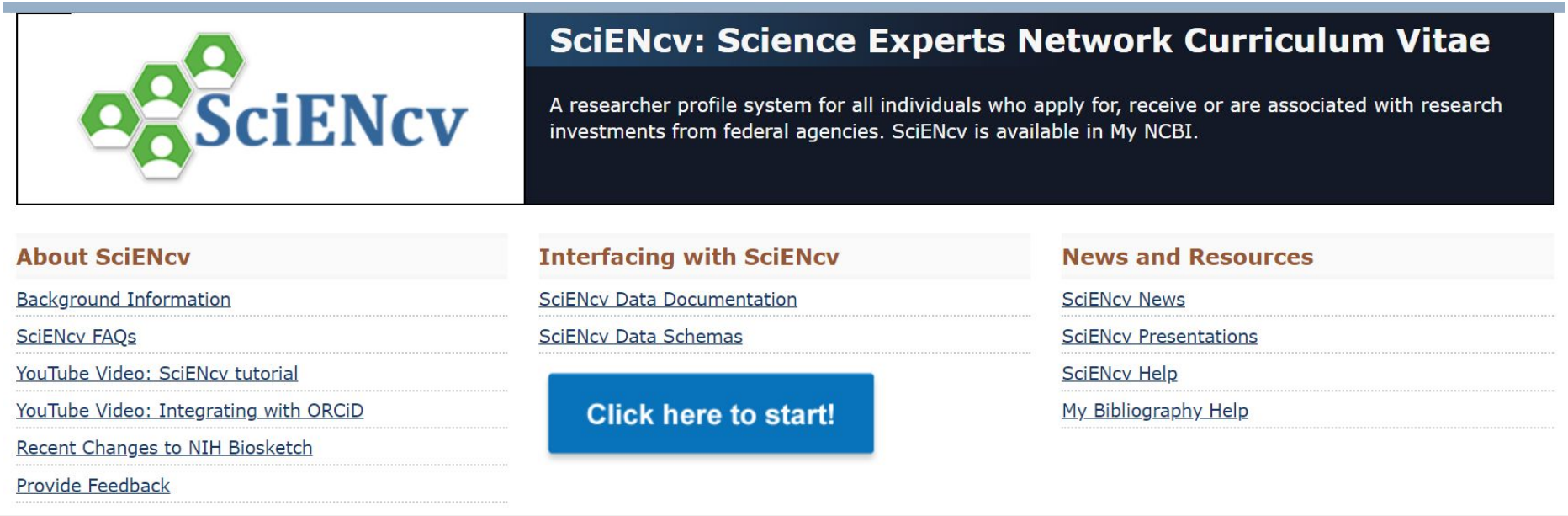


Benefits of ORCID



Save time and reduce administrative burden

- Example: SciENcv biosketch tool for NIH and NSF
- ORCID data can be transferred directly to SciENcv (ORCID → SciENcv)



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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[1]

Portugal: 100,000 researcher hours per year[2]

Australia: 15-30 minutes per grant application[3]

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

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Example: Boston College

ORCID at BC: Basics and Benefits

- Basics and Benefits
- What BC is Doing
- Linking to BC Credentials
- Build Profile Automatically with Scopus
- Import works from Google Scholar
- Build Profile using other sources
- Fill out Faculty Annual Report
- Provost's Letter to Faculty
- More Information

ORCID (Open Researcher & Contributor ID) is an open, non-profit, community-driven effort to create and maintain a registry of unique researcher identifiers and a transparent method of linking research activities and outputs to these identifiers. ORCID IDs distinguish individuals with common names, and are not affected by name changes, cultural differences in name order, inconsistent abbreviations, or the use of different alphabets.

The letter to faculty from the Provost, University Librarian and Vice President, Information Technology, articulates the value of ORCID IDs for the Boston College community.

How to Register

It is easy and free to register for an ORCID ID. Visit bc.edu/orcid to register for an ORCID and connect it automatically to your BC ID number. If you already have an ORCID, you can also connect it to your BC ID number there.

Funders, publishers, scholarly societies, fellow researchers and potential collaborators all need to be able to identify your work. Boston College needs to identify and collect comprehensive, accurate information about BC's scholarly contributions to the world's knowledge.

Benefits for Researchers

- Registration for an ID is quick, simple and free
- ORCID IDs are unique and persistent, identifying each researcher
- ORCID profiles associate publications, articles, datasets and other outputs with your identifier
- Publishers, grant funders and associations collect ORCID IDs at submission and integrate your output into your profile
- Data providers, including CrossRef, Scopus and MLA International Bibliography populate ORCID profiles

Scholarly Communication Librarian

John O'Connor

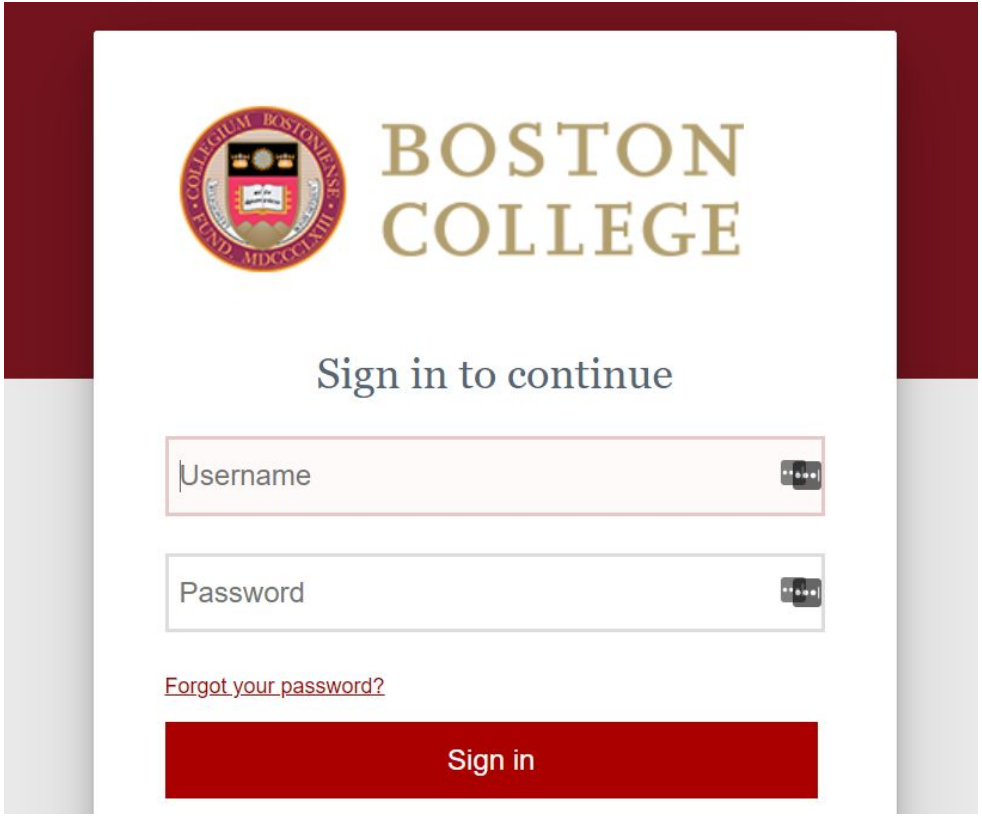
Email Me

Book Appointment

User-facing workflow to connect ORCID iD with institution

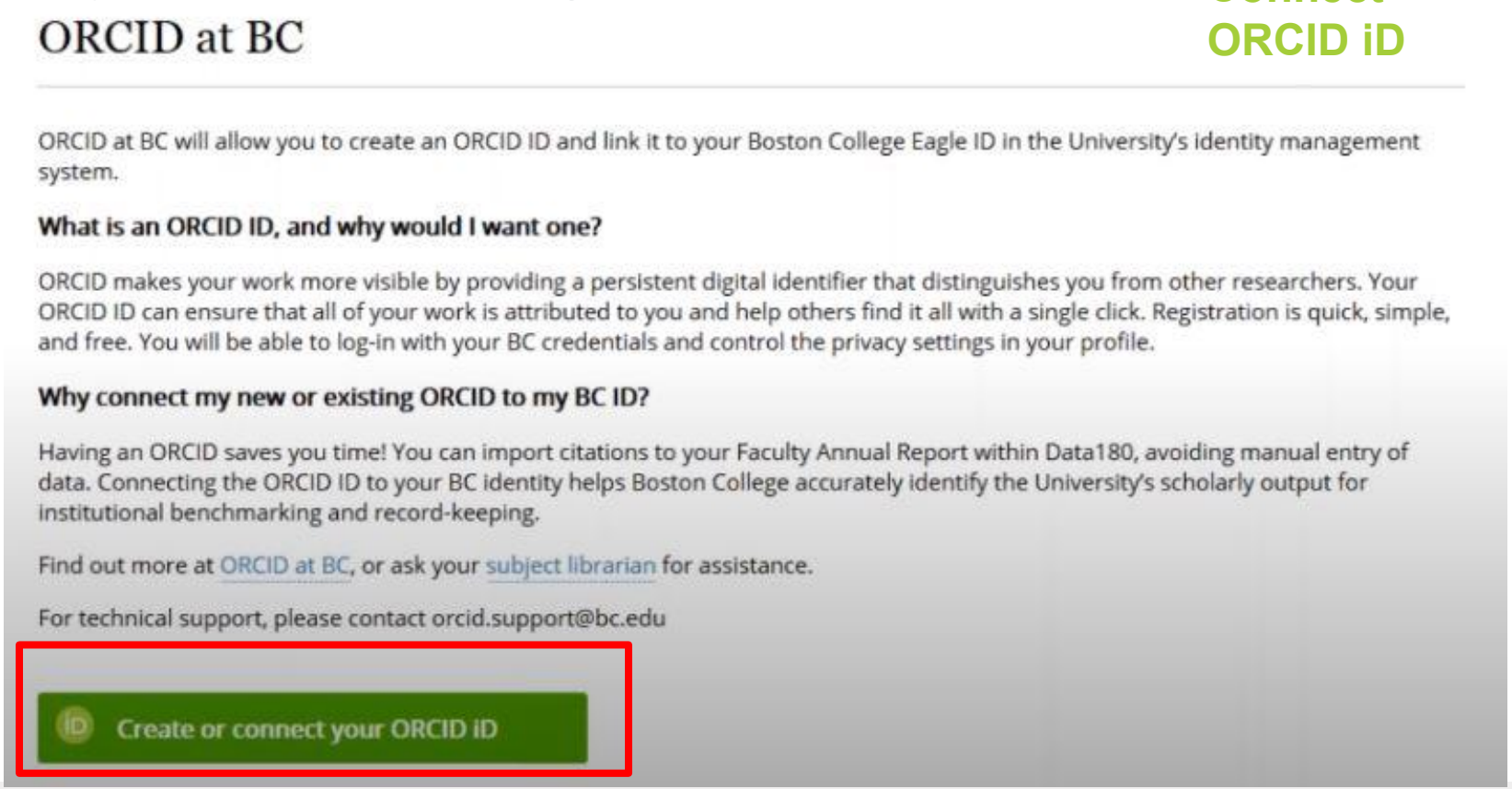
Example: Boston College

Log in to verify institutional identity



Example: Boston College

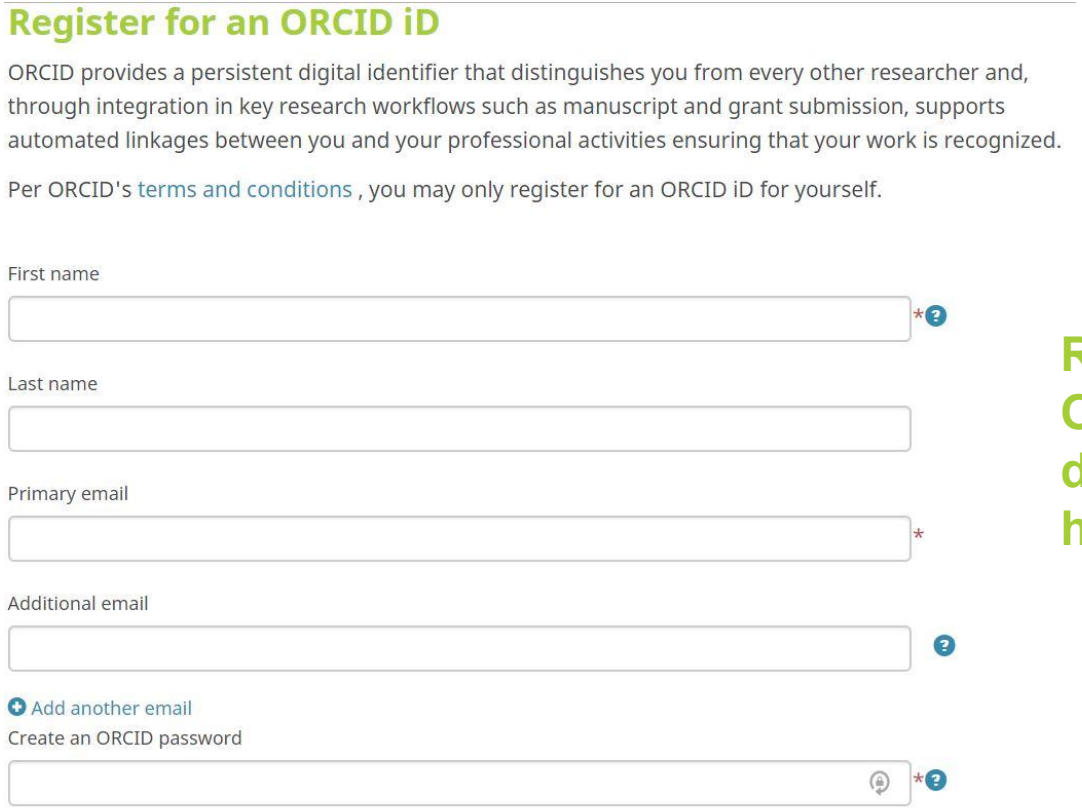
Create or Connect ORCID iD



Example: Boston College

Log in to ORCID if you already have an ORCID iD

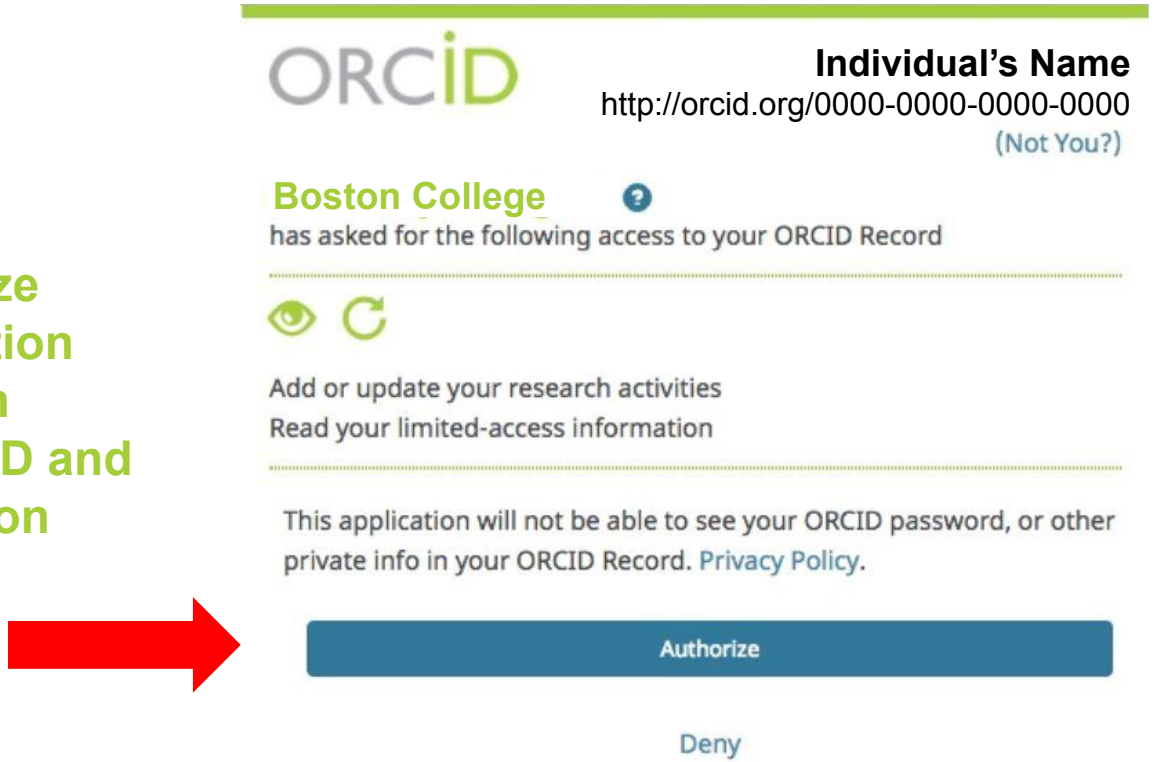
Example: Boston College



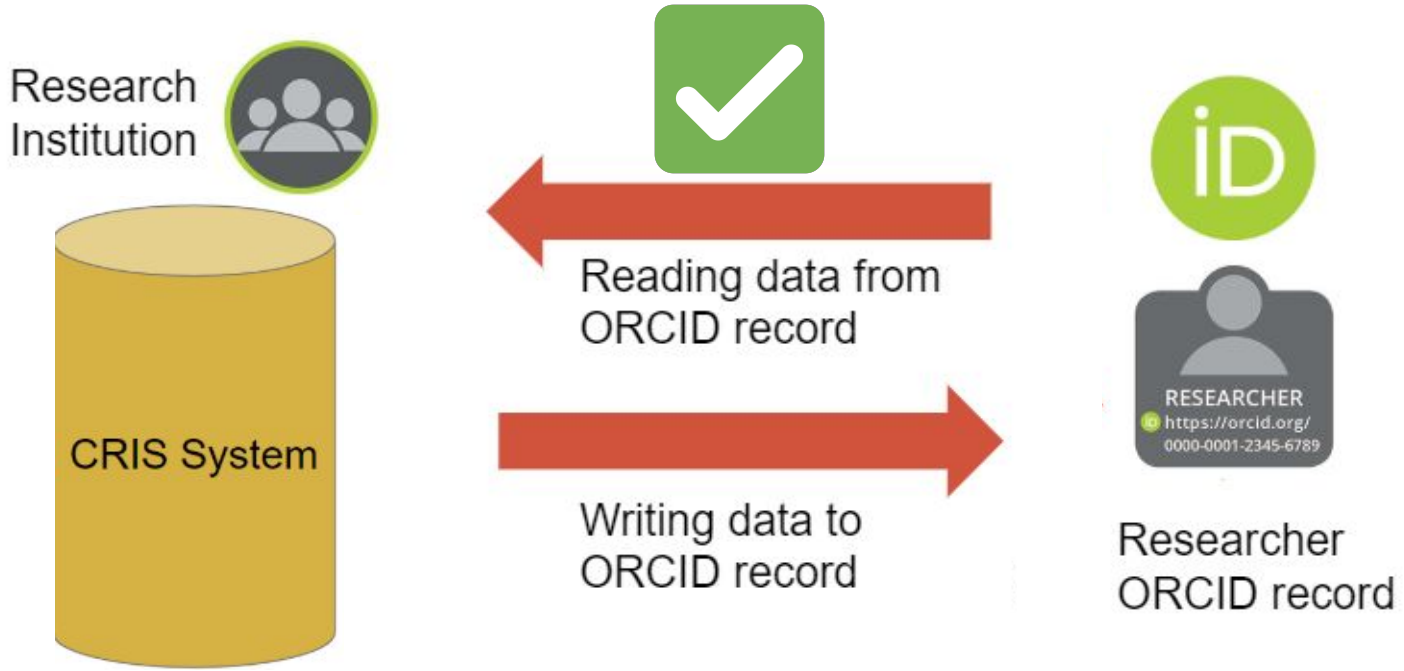
Register for an ORCID iD if you don't already have one

Example: Boston College

Authorize connection between ORCID iD and institution



Example: Boston College



Connection lasts for 20 years unless otherwise revoked

Example: Boston College

Karen Arnold

Ph.D.

CONTACT

Campion Hall Room 225

Telephone: 617-552-2649

ORCID 0000-0002-8354-0496

Department

ELHE Educational Leadership & Higher Education

Biography

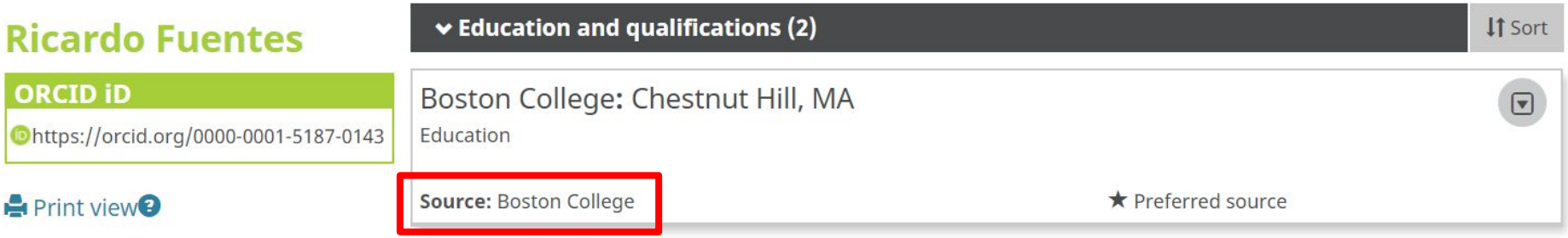
Karen Arnold studies the connections between education and adult life. Her research follows "best case" groups of students across the transitions from high school to college to career: high school valedictorians, Rhodes Scholars, and low income students of color from innovative high schools. Arnold's work centers on the ways in which individual, organizational, and social factors come together to perpetuate inequality in individuals' educational opportunities, higher education experiences, and subsequent life chances.

Read More

SELECTED BOOKS

- Arnold, K.D., Chin, E., & Armstrong, K. (2012). The ecology of college readiness. ASHE Higher Education Report. 38(5). San Francisco: Jossey-Bass.
- Arnold, K.D., and King, I. (1997) College student development and academic life: Psychological, intellectual, social, and moral issues. In series: Contemporary Higher Education. International Issues of the Twenty-First Century. New York: Garland.
- Arnold, K.D., Noble, K.S., & Subotnik, R.F. (Eds.). (1996). Remarkable women: Perspectives on female talent development. Cresskill, NJ: Hampton Press.
- Arnold, K.D. (1995). Lives of promise: What becomes of high school valedictorians. San Francisco: Jossey-Bass.

Example: Boston College

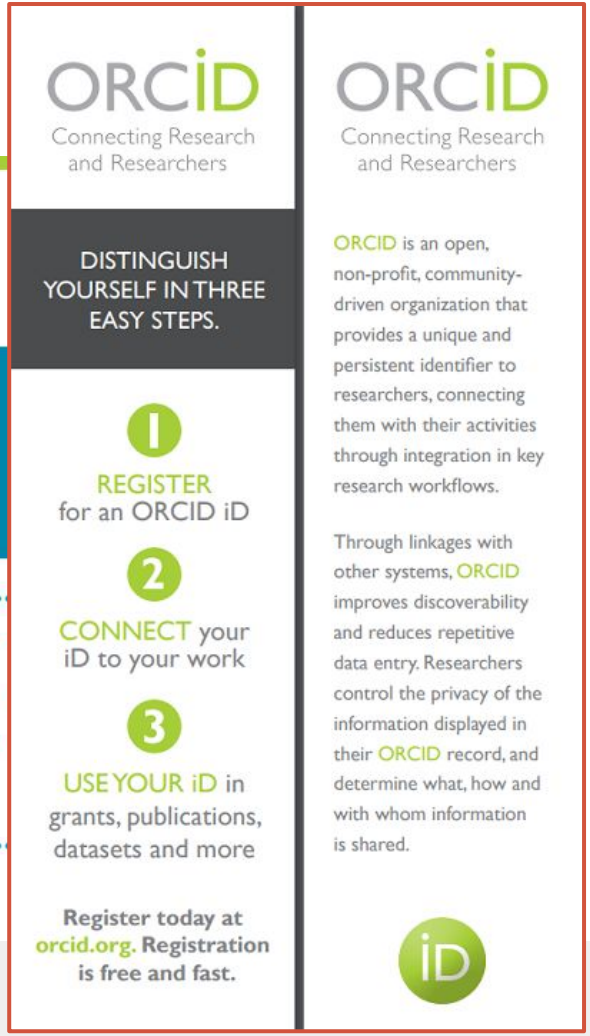


Authoritative source of data = Verified, Trustworthy, Accurate

Next steps & learn more

Work with Internal Stakeholders

ORCID Outreach to Researchers



SRA INTERNATIONAL

Integrate ORCID API with Local Systems

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

Get involved, and learn more

- Become an ORCID Member (US = $4,300/year for 5 API credentials)
- Explore our community resources
- Attend our webinars and community calls
- Schedule a consultation
- Join the growing community of practice around ORCID in your region

Next Steps….Contact:

Sheila Rabun
LYRASIS
ORCID US Community Specialist

Sheila.Rabun@lyrasis.org