Value of ORCID for Funders

Sept. 13, 2022
ORCID US Community Staff

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Program Leader for Persistent Identifier Communities
Agenda

- What is ORCID?
  - ORCID iD
  - ORCID Record
  - ORCID API
- Benefits of ORCID for Funders
  - Streamlining workflows
  - Strengthening connections
  - Saving time & reducing administrative burden
- ORCID-enabled systems
  - ProposalCentral
  - Smart Simple
  - ORCID Affiliation Manager
  - Custom Integration
- ORCID US Community Membership
What is ORCID?
What is ORCID?

ORCID = Open Researcher & Contributor IDentifier

ORCID Connecting Research and Researchers
What is ORCID?

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

An ORCID record connected to the ORCID iD.

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.
ORCID iD

ORCID provides free, unique identifiers for researchers.

Sofia Maria Hernandez Garcia

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

Published Name:
Sofia Maria Hernandez Garcia

Emails
s.garcia@orcid.org

Website and social links
Faculty profile webpage
@sofanhg

Other IDs
Profile system identifier: A-123455
ResearcherID: L 8716-2018
e Scientist: 0000-0001-5727-2427

Countries
United States

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

Activities

Employment
New Arizona State University: Sedona, Arizona, US
2015-09 to present | Associate Professor (Department of Geography)
Employment
Source: Sofia Maria Hernandez Garcia

ORCID: Bethesda, Maryland, US
2014-05-01 to 2019-10-25 | Engagement Lead
Employment
Source: ORCID via Assert-o-matic
**ORCID Record**

<table>
<thead>
<tr>
<th>Education and qualifications (4)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>London School of Physics: London, GB</strong></td>
</tr>
<tr>
<td>2016 to 2018</td>
</tr>
<tr>
<td><strong>Source</strong>: Sofia Maria Hernandez Garcia</td>
</tr>
</tbody>
</table>

| **Universidad Politécnica de Madrid: Madrid, Comunidad de Madrid, ES** |
| 2008-09 to 2012-05 | BA Computer Science Education |
| **Source**: Sofia Maria Hernandez Garcia |

| **University of Kingston: Kingston, JM** |
| 2010 to 2012 | UX Design Certificate (User Experience) Qualification |
| **Source**: Sofia Maria Hernandez Garcia |

| **State University: Bethesda, Maryland, US** |
| 2005-06-15 to 2006-07-15 | BA Computer Science Education |
| **Source**: State University |

**ID** [https://orcid.org/0000-0001-5727-2427](https://orcid.org/0000-0001-5727-2427)
**ORCID Record**

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

<table>
<thead>
<tr>
<th>Invited positions and distinctions (3)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Royal Society of Arctic Studies: Iqaluit, Nunavut, CA</strong></td>
</tr>
<tr>
<td>2015</td>
</tr>
<tr>
<td>Source: Sofia Maria Hernandez Garcia</td>
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</table>

<table>
<thead>
<tr>
<th>Kyoto Institute of Physics: Kyoto, JP</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012</td>
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<td>Source: Sofia Maria Hernandez Garcia</td>
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<table>
<thead>
<tr>
<th>École Polytechnique Bordeaux: Bordeaux, FR</th>
</tr>
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<tr>
<td>2013 to 2015</td>
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<td>Source: Sofia Maria Hernandez Garcia</td>
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<table>
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<th>Membership and service (2)</th>
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<tbody>
<tr>
<td><strong>Association of Personal &amp; Research Identities: Auckland, NZ</strong></td>
</tr>
<tr>
<td>2017 to present</td>
</tr>
<tr>
<td>Source: Sofia Maria Hernandez Garcia</td>
</tr>
</tbody>
</table>
**ORCID Record**

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

<table>
<thead>
<tr>
<th>Funding (1)</th>
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</thead>
<tbody>
<tr>
<td>Grant for ORCID</td>
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<tr>
<td>2014 to present</td>
</tr>
<tr>
<td>Source: Sofie Maria Hernandez Garcia</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Research resources (2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Giant Laser Award</td>
</tr>
<tr>
<td>Archival images of glaciers</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Works (6)</th>
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<tbody>
<tr>
<td>Thor: Conceptual Model Of Persistent Identifier Linking</td>
</tr>
<tr>
<td>2016.03.31</td>
</tr>
<tr>
<td>DOI: 10.5281/zenodo.48705</td>
</tr>
<tr>
<td>Funded by: GRANT_NUMBER: [H2020-EU.1.4.1.3]</td>
</tr>
<tr>
<td>Source: Sofie Maria Hernandez Garcia</td>
</tr>
</tbody>
</table>

| 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: Sofie Maria Hernandez Garcia |
ORCID Record

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

Computer Science is fun
book-chapter
DOI: 10.1016/1234
Part of ISBN: 6-5879:6278-1
Source: ORCID

The effect of global warming on Arctic polar bears
journal article
DOI: 1234:123456
Source: ORCID

Peer review (2)

- Review activity for National geographic. (1)
- Review activity for Nature reviews. (1)

Record last modified Sep 8, 2021, 4:43:27 PM UTC
Register for ORCID iD

- ORCID iDs are free
- 30 seconds to register
- orcid.org/register
- Form:
  - Name
  - Email
  - Password
  - Visibility Settings
  - Notification Settings
  - Terms of Use
  - Not a Robot

Register for an ORCID iD

ORCID provides a persistent digital identifier that distinguishes you from every other researcher and, through integration in key research workflows such as manuscript and grant submission, supports automated linkages between you and your professional activities ensuring that your work is recognized.

Per ORCID’s terms and conditions, you may only register for an ORCID iD for yourself.

Form:
- First name
- Last name (Optional):
- Primary email
- Additional email (Optional):

Visibility settings
Your ORCID iD connects with your ORCID record that can contain links to your research activities, affiliations, awards, other versions of your name, and more. You control this content and who can see it. More information on visibility settings.

By default, who should be able to see information added to your ORCID Record?
- Everyone (87% of users choose this)
- Trusted parties (9% of users choose this)
- Only me (3% of users choose this)

Notification settings
ORCID sends email notifications about items related to your account, security, and privacy, including requests from ORCID member organizations, for permission to update your record, and changes made to your record by those organizations.

You can also choose to receive emails from us about new features and tips for making the most of your ORCID record.

- Please send me quarterly emails about new ORCID features and tips
  - To receive these emails, you will also need to verify your primary email address.

After you’ve registered, you can change your notification settings at any time in the account settings section of your ORCID record.

Terms of Use
- I consent to the privacy policy and terms of use, including agreeing to my data being processed in the US and being publicly accessible where marked Public.

You must accept the terms and conditions.

- I’m not a robot

Register
Add Information to ORCID Record

The more information you can include in your ORCID record, the more it can benefit you.

**ORCID data can include:**

- Biographical information (including “also known as”)
- Employment
- Education & Qualifications
- Invited positions & distinctions
- Memberships & service
- Funding
- Works
- (Peer Review activity)
- (Research Resources used)
<table>
<thead>
<tr>
<th>Name</th>
<th>ORCID ID</th>
<th>Employment</th>
<th>Biography</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tso, Chi Yan</td>
<td><a href="https://orcid.org/0000-0002-7725-2172">ORCID</a></td>
<td>City University of Hong Kong: HK, HK</td>
<td>Currently Director, Scholarly Repository Services at University of Virginia Library. Previously Institutional Repository Librarian and Knowledge Integration Manager at Claude Moore Health Sciences Library, University of Virginia.</td>
<td>City University of Hong Kong</td>
</tr>
<tr>
<td>Ellen C. Ramsey</td>
<td><a href="https://orcid.org/0000-0003-4520-4823">ORCID</a></td>
<td>University of Virginia: Charlottesville, VA, US</td>
<td></td>
<td>University of Virginia</td>
</tr>
<tr>
<td>Ricardo Fuentes</td>
<td><a href="https://orcid.org/0000-0001-5187-0143">ORCID</a></td>
<td>Boston College: Chestnut Hill, MA</td>
<td></td>
<td>Boston College</td>
</tr>
<tr>
<td>Peter Hunter</td>
<td><a href="https://orcid.org/0000-0001-9665-4145">ORCID</a></td>
<td>Marsden Fund: Wellington, NZ</td>
<td></td>
<td>Royal Society Te Apirangi</td>
</tr>
</tbody>
</table>
ORCID API

- Funding System
- Research Reporting System
- API (Application Programming Interface)
- Publishing System
- Institutional Repository
Benefits of ORCID for Funders
Benefits of ORCID

ORCID can make it easier for funders to:

• assess your awardee network and influence
• evaluate your grant and program outputs and impact
Benefits of ORCID

ORCID makes it easier for funders to...

- assess your awardee network and influence
- evaluate your grant and program outputs and impact

...by providing a shared, persistent way for funders to:

1) uniquely identify researchers and stay connected with alumni over time
2) streamline collection of data about researchers and their activities, to help with evaluation, reporting, and assessment
3) confirm relationships with researchers in the wider research landscape
Uniquely Identify Researchers
(and stay connected with alumni over time)
ORCID allows you to **uniquely identify your researchers** despite shared name, name changes, or variations in name.

Source: “What is ORCID?” video [https://vimeo.com/97150912](https://vimeo.com/97150912)
Would the real Sofia Garcia stand up?

Source: “What is ORCID?” video https://vimeo.com/97150912
Would the real Sofia Garcia stand up?

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

Source: “What is ORCID?” video https://vimeo.com/97150912
Getting Researchers’ ORCID iDs

**ORCID API OAuth Process** allows researchers to authorize permission for your organization to:

- Get their accurate ORCID iD number
- Write information to their ORCID record
- Read information from their ORCID record

Permissions last for 20 years (stay connected over time)
ORCID is broadly used by researchers around the world

There are ORCID users in 246 countries

That’s every country on the planet apart from,
- Niue - island nation in Oceania, pop. 2k
- Norfolk Island - Australian island, South Pacific, pop. 2k
- Saint Pierre and Miquelon - French archipelago south of Newfoundland, pop. 6k
Streamline collection of data about researchers and their activities
(to help with evaluation, reporting, and assessment)
Streamline collection of data about your researchers and their activities, to help with evaluation, reporting, and assessment.
Leverage the ORCID API to become a “Trust[ed Organization]” on your Researchers’ ORCID records

As a Trusted Organization, your organization can retrieve data directly from researchers’ ORCID records, rather than relying on manual form-filling, and write data to ORCID records.

<table>
<thead>
<tr>
<th>Trusted organization</th>
<th>Approval date</th>
<th>Access type</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Heart Association</td>
<td>2020-08-27</td>
<td>Get your ORCID iD</td>
</tr>
<tr>
<td><a href="https://heart.org">https://heart.org</a></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
SciENcv Example

Create a New Document

Document name
Enter a name to help you to identify this document

Format
- NIH Biosketch
- NIH Fellowship Biosketch
- NSF Biosketch
- NSF Current and Pending Support
- IES Biosketch
Select a format for this document

Choose data source
- Start with a blank document
- Existing Document: Sheila Test
- External source: ORCID

Your ORCID account is linked to SciENcv.

Persistent Identifiers

(v) Consistent with applicable Federal laws and statutory authorities, within 1 year of the date of this memorandum, funding agencies shall establish policies regarding requirements for individual researchers supported by or working on any Federal research grant to be registered with a service that provides a digital persistent identifier for that individual.

(vi) Agencies shall standardize disclosure processes, definitions, and forms across funding agencies to the extent practicable. The Director of the Office of Management and Budget (OMB) shall work with OSTP, the Office of Government Ethics, and other agencies to coordinate the standardization of policies and forms related to disclosure of conflicts of interest and commitment. Where appropriate and consistent with applicable Federal laws and regulation, agencies should standardize forms for initial disclosures as well as annual updates, integrating digital persistent identifiers wherever appropriate and practicable, and should provide clear instructions to accompany these forms and to minimize any associated administrative burden.
Confirm Relationships with Researchers in the wider research landscape
ORCID allows funders to write award info to ORCID records, confirming relationship with researchers.

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
Portugal: 100,000 researcher hours per year
Australia: 15-30 minutes per grant application

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

https://drive.google.com/drive/u/0/folders/1gnLzgrmilK5XrWotel3cOkBXKzRjUoVi
ORCID - enabled Systems
ProposalCentral

https://altum.com/proposalcentral-makes-history-as-the-first-orcid-certified-platform-for-funders/

ProposalCentral allows researchers to sign in using ORCID:
ProposalCentral allows researchers to authorize your organization as a trusted party on their ORCID record, and import data from ORCID to populate applications and reports:
ProposalCentral allows funders to:

- **Get researchers’ authenticated ORCID iDs**
- **Write** funding award information and reviewer contributions to ORCID records
- **Read** data from ORCID records as part of an individual career dashboard and/or programmatic evaluation module
Smart Simple

https://www.smartsimple.com/smartsimple-cloud-research-grants-management-software

https://wiki.smartsimple.com/wiki/ORCID_Integration
Smart Simple allows users to **connect their ORCID iD**

- Connect with ORCID
  - ORCID is an independent non-profit effort to provide an open registry of unique researcher identifiers and open services to link research activities and organizations to these identifiers.
  - Learn more at [orcid.org](http://orcid.org)

- Create or connect your ORCID iD

- ORCID iD Connected
  - ID: 0000-0003-4210-3115
  - Last Imported: N/A

- Continue to import your ORCID data
Smart Simple allows users to **import information from their ORCID record** to save time:

Thank you for connecting your ORCID. You will be redirected back to your profile and your page will be refreshed.
Smart Simple allows funders to write funding information to ORCID records:
ORCID Affiliation Manager

https://info.orcid.org/affiliation-manager/
ORCID Affiliation Manager allows organizations to write affiliation information to ORCID records:

- Employment
- Education
- Qualifications
- Invited Positions
- Distinctions
- Membership
- Service (for example: reviewer information)

Funding information is not included, but could be helpful if your organization has these other types of relationships with researchers…
1) Upload researcher affiliation information via CSV

2) Email researchers their unique link where they can approve the connection between your organization & their ORCID record

3) Once approved, info from the CSV gets automatically added to their ORCID record
Custom ORCID API Integration

https://orcidus.lyrasis.org/technical-integration-guide/
Custom ORCID API Integration Basics

1. Provide a web page where users can go to connect their ORCID iD with your institution/system via the ORCID API OAuth process.

2. User will sign in or register for their ORCID ID.

3. User will grant permission for the institution/system to connect with their ORCID record.

4. ORCID info retrieved upon OAuth authorization needs to be stored in a secure backend database.

   - ORCID: 0000-0002-1196-6279
   - Access Token: 89f0181c-168b-4d7d-831c-1fdda2d7bbbb
   - Scope: /read-limited/activities/update/person/update
   - Refresh Token: 60e883f6-d84e-4ae6-87f5-ef0044e3e9a7
   - Token Type: bearer
   - Expires In: 631138518

5. Use the ORCID iD and access token to read from or write to the user’s ORCID record, using API calls.

   curl -i -H "Accept: application/vnd.orcid+xml" -H 'Authorization: Bearer 89f0181c-168b-4d7d-831c-1fdda2d7bbbb' 'https://api.sandbox.orcid.org/v3.0/0000-0002-1196-6279/works'
ORCID US Community
Funders

- American Heart Association
- Autism Speaks
- Breast Cancer Research Foundation
- Children’s Tumor Foundation
- Damon Runyon Cancer Research Foundation
- Fred Hutchinson Cancer Center
- Melanoma Research Alliance
- The Nemours Foundation
ORCID US Community

ORCID US Community Consortium

- Currently 178+ members: universities, funders, and other non-profit research organizations
- Building a community of practice around ORCID - leveraging the benefits of ORCID as a “trusted organization”
- 5 premium ORCID API keys
- Annual fee: $4,800

https://orcidus.lyrasis.org/membership/
Thank you!

Web  https://orcidus.lyrasis.org/
Email orcidus@lyrasis.org