ORCID: Technical Introduction for CINECA

Catalina Wilmers, ORCID Support
http://orcid.org/0000-0002-1982-1816
support@orcid.org

Contact Info: p. +1-301-922-9062 a. 10411 Motor City Drive, Suite 750, Bethesda, MD 20817 USA
Today’s Presentation

- ORCID Registry – User Perspective
- ORCID API Overview
- Example API Applications
- Support/Getting Started Resources
Getting Started

Register

Via the ORCID Website
https://orcid.org/register

Or as part of an integration from another site

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.

First Name
Last Name
Email
Password
Privacy & Communications Preferences

Terms of Use

I consent to the privacy policy and conditions of use, including public access and use of all my data that are marked Public.
Welcome to the ORCID Registry!

- Verify your email address

Here’s your ORCID iD:

Unique and persistent identifier
- 16-digit number
- Expressed as HTTP URI
- Compatible with ISO standard

Image credit: RaHuL Rodriguez, ccBY-SA 2.0, Oct 5, 2012
http://www.flickr.com/photos/92963434@N03/9162677329
The ORCID Record

Biographical data

Education data

Employment data

Funding data

Works data
The ORCID Record

Biographical data

Include Multiple Names

Add a Description
Education & Employment data

Organization list from Ringgold (an ISNI Registrar)
Funding Data

Funding agency list consistent with FundRef

Search & link Wizards

ADD FUNDING

Funding type
- Grant

Funding subtype
- General

Title of funded project
- Add title

Description
- Add description

Total funding amount
- Add an amount

Start date
- Year
- Month

End date (enter projected end date if current)
- Year
- Month

Role
- What was your role!

FUNDING AGENCY

Funding agency name
- Wellcome Trust

Wellcome Trust
- Add another

Burroughs Wellcome Fund
- Add another

California Wellness Foundation
- Add another

Pottstown Area Health and Wellness Foundation
- Add another

Foundation for Women's Wellness
- Add another

Enter grant: URL
- Add another

Alternate URL
- Add URL

Add to list

LINK FUNDING

ÜberWizard for ORCID

Import your awarded grants from funders around the world - all in one easy-to-use wizard provided by ÜberResearch. The integrated and continuously-updated ÜberResearch grant data includes grants from funding organizations worldwide such as the NIH and NSF in the United States, the UK Research Councils and Wellcome Trust in the UK, the Austrian Research Council, and over fifty others. Add your grants to your ORCID record with a few simple clicks from the ÜberWizard for ORCID and simplify your data life!
The ORCID Record

Works Data

- Classifications & metadata fields consistent w/CASRAI
- Translated titles & language support
- Structured citations in BibTeX

Search & Link Wizards:
- CrossRef Metadata Search
- Scopus
- Europe PubMed Central
- ResearcherID
- Modern Language Association
- DataCite Metadata Store
- ISNI number & ISBNs
- Ariti
- ANDS Registry

BibTeX import
Works Data

When the same work is added by multiple sources, the different versions are grouped together based on work identifier.

Source information is captured for all items added to the record.

CASRAI and ORCID: Putting the pieces together to collaboratively support the research community
2014 | conference-paper
DOI: 10.1016/j.procs.2014.06.045, EID: 2-s2.0-84904471842
URL: http://www.scopus.com/inward/record.url?eid=2-s2.0-84904471842&partnerID=M...
Information in an ORCID Record has a privacy setting, which can be set by the account owner.

Account information (settings, permissions) is accessible by the account owner.
Technologies:

**REST** interact w/API via HTTP calls

**OAuth** “3-legged” authorization process

**XML/JSON** data exchange
Accessing the API:

1. **Client Credentials**
   Client ID/Client Secret (ORCID provides)

2. **Software tools capable of making/receiving HTTP calls**
   cURL, custom applications PHP, Python, Ruby, Java, etc

OR

2. **IRIS**
   (provided by CINECA)
User: Follow a link to connect your system to their ORCID record (on the ORCID site, your website, or in an email message)

System: Send the user to the authorize URL

https://orcid.org/oauth/authorize?
client_id=0000-0003-2996-8827&
response_type=code&
scope=/orcid-profile/read-limited&
redirect_uri=https://yoursite.org
User: Authorizes the connection

Scopus to ORCID

Sofia Maria Hernandez Garcia
http://orcid.org/0000-0001-5727-2427
(Not You?)

Update your works
Read your ORCID record
Add works
Add a person identifier

Allow this permission until I revoke it.
You may revoke permissions on your account settings page. Unchecking this box will grant permission this time only.

This application will not be able to see your ORCID password, or other private info in your ORCID Record. Privacy Policy.

Deny Authorize
The ORCID API

User: Directed to a page on your site that you choose (redirect URI)

System: Captures an authorization code appended to the redirect URI

https://yoursite.org/?code=RqiKo9

Connect your ORCID

Thank you Sofia Garcia! Your ORCID iD is now connect.

http://orcid.org/0000-0001-5727-2427
User: no action
System: Exchange the authorization code for an access token

```bash
curl -i -L -H 'Accept: application/json' --data 'client_id=0000-0002-9189-9909&client_secret=719b5c31-5681-4dce-a317-
ff1bc1e94277&grant_type=authorization_code&code=GU0yrC&redirect_uri=https://de
velopers.google.com/oauthplayground' 'https://api.qa.orcid.org/oauth/token' -k

HTTP/1.1 200 OK

{"access_token":"0a3ac65f-f8a7-4257-b605-aff0ab37d464","token_type":"bearer","refresh_token":"16d75d2d-bb75-4087-8a01-685e5f03faf8","expires_in":631138518,"scope":"/orcid-profile/read-limited","orcid":"0000-0003-4153-0078"}
```
User: no action
System: Use the access token to read from/write to the user’s ORCID record

HTTP/1.1 200 OK

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<orcid-message xmlns="http://www.orcid.org/ns/orcid">
    <message-version>1.2_rc3</message-version>
    <orcid-profile type="user">
        <orcid-identifier>
            <uri>http://qa.orcid.org/0000-0003-4153-0078</uri>
            <path>0000-0003-4153-0078</path>
            <host>qa.orcid.org</host>
        </orcid-identifier>
        ...
    </orcid-profile>
</orcid-message>
A national agreement was signed by Cineca with ORCID to provide Membership Premium API to Higher Education and Research organizations

- Any HE institution based in Italy and not-for-profit research Institutions can join the consortium for free in 2015. Fee quotes for the following years will be communicated by the end of the year depending on number of subscriptions and availability of external contributions.

- IRIS users that want to benefit of ORCID in their system have to subscribe a dedicated module IRIS OI. Membership fees for IRIS OI users will not be charged.

- Non-IRIS users can subscribe the Cineca ORCID Hub (HOI) service to benefit of additional functionalities & services. Membership fees for HOI users will not be charged.

3 December 2015
It is an additional service provided by Cineca

- It provides REST webservice to integrate the claim/association process between all the applications connected with the Hub including “Sito docente – loginMIUR”. This webservice replaces the OAuth process in standard ORCID integration.

- It provides immediate services to benefit of the premium ORCID API as the download of an xls report with Tax Number, ORCID ID & grant access token for all your researcher.

- Download and update of information in ORCID for your researchers using xls files will be available by the end of the current year.

*orcid.org*
The additional module IRIS OI provides out-of-box integration with ORCID using the Membership Premium API

- Integrated claim and creation process of ORCID profiles with the Italian ORCID Hub
- [end 2015] Automatic synchronization of biography, publications and projects data from IRIS to ORCID
- [I Q. 2016] Pull information from ORCID in IRIS
Steps to build an integration

1. **Get credentials** for the ORCID Sandbox sandbox.orcid.org
2. Set up an integration on the sandbox
3. Work with ORCID staff to test your sandbox integration
4. Launch your integration in the live ORCID Registry
Search

Search for researchers by name, organization, DOI or other

http://members.orcid.org/api/tutorial-searching-api-12-and-earlier

Webhooks

Register to get a notification anytime a record you are watching is updated

http://members.orcid.org/api/tutorial-webhooks
Coming Soon: CrossRef AutoUpdates

Hi, we're CrossRef. Our member publishers send us publication information (including ORCID IDs and DOIs), and we ensure that your work can be found, linked and cited. We would like to auto-update your ORCID record with information about these published work(s), starting today with those listed below, so you don’t have to search for and add them manually, now or in the future. Please click ‘Grant permissions’ below to set this up.

Works (!)

The existence of k-gonal curves possessing exactly two linear systems g1 k
http://dx.doi.org/10.1007/s002080050034

CrossRef would like your permission to interact with your ORCID Record as a trusted party?

Archive without granting permissions

Grant permissions

About CrossRef
Establishes an author’s claim when a work is deposited with CrossRef.

You have received this message because you have opted in to receive notifications from organizations that help maintain the information in your ORCID record. Learn more about how the process works.
Coming Soon: Peer Review

Peer review (1)

Review activity for The Journal of Psychoceramics (1)

Review date | Type  | Role  | Actions
-------------|-------|-------|---------
2004-02      | review| reviewer | show details | view |
• Documentation & Examples
  http://members.orcid.org

• ORCID API Users Google Group

• Cineca Italian Support
  • Help Desk IRIS (https://customerportal.cineca.it) / Assistenza LoginMIUR (assistenzamiur@cineca.it) / orcid@cineca.it (for institutional and contractual inquires)
  • FAQ - https://wiki.u-gov.it/confluence/display/UGOVHELP/FAQ+ORCID
  • Video Tutorials - http://streaming.cineca.it/ORCID/