Implementation of ORCID & the ORCID A

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ORCID is a non-profit organization helping create a world in which all who participate in research, scholarship and innovation are uniquely identified and connected to their contributions and affiliations, across disciplines, borders, and time.

As an individual, it is free to have an ORCID iD!

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

Individuals use different alphabets, abbreviations, or naming conventions

Definition: a word or set of words by which a person or thing is known, addressed, or referred to. Lexico, Oxford.

Researchers are mobile!

For example,

30% OF THE SCIENTISTS WHO GOT THEIR PhD IN THE UNITED KINGDOM NOW LIVE ELSEWHERE

Source: Science Magazine

Research institutions and organizations therefore find it hard to

- **Benchmark their organization against others**
- **Identify, track, and report on researchers' affiliations and contributions (publications, peer reviews, grants, and more)**

Institutions Face a Rising Tide of Research

OVER 3 MILLION

scholarly articles published per year

Source: The STM Report, October 2018

42,500 ACTIVE SCHOLARLY PEER-REVIEWED JOURNALS

Source: The STM Report, October 2018

Institutions must increasingly recognize and demonstrate the impact of all types of research contributions

Tackling Information Overload

ORCID is a non-profit organization, which provides a fully open and interoperable identifier to reliably connect researchers with their research contributions. The ORCID iD is a 16-digit identifier that researchers can register for and use for free.

Connects individuals and their professional contributions across disciplines, organizations, and time

Enables recognition of all types of research contributions and innovation

Helps research institutions, funders, publishers, and other organizations better track and support research work

How ORCID Works

- It's a **registry** of unique persistent identifiers for researchers
- It's a **hub** that connects researchers with their professional activities and contributions
- It's a global **community** that enables researchers to share their data with other individuals, organizations, and systems

ORCID PRINCIPLES

- Researchers own their iD and control access to their record
- ORCID is an open shop: open (CC0) data, open source code (MIT)
- We have transparent governance by our members
- We are a community organization and we work with everyone

European Commission

Open Science Policy Platform

Group that advises the Commission on how to develop open science policy. Meeting reports, member details and background

Ensure the scholarly infrastructure in Europe is highly interoperable to enable the simple and open sharing of metadata between systems, disciplines and countries, and that credit for research contributions is given to all participants (including citizen scientists). This will need all actors to require the use of standardised, unique persistent identifiers for researchers and outputs, and for the acknowledgement of diversity in research contributions. Components of the infrastructure (identifiers, metadata, vocabularies, data citations, repositories and other data-infrastructures) need to be developed where necessary, refined, standardized and implemented through dialogue with relevant research communities. Whatever standards/infrastructures are developed, they need to be capable of adapting to innovations in Open Knowledge practices.

"This will need all actors to require the use of standardized unique persistent identifiers for researchers and outputs…"

https://ec.europa.eu/research/openscience/index.cfm?pg=open-science-policy-platform#

ORCID
Connecting Research and Researchers

HOW ORCID WORKS

Researcher
Gives permission to **COLLECT** iD and access the record

Registers & manages ORCID record

Controls visibility

ORCID record

Researcher Name

ORCID ID
orcid.org/xxxx-xxxx-xxxx-xxxx

Basic information
- Other names
- Email addresses
- Biography

Account settings

Affiliations, Activities, Resources

University

CONNECTS affiliation

Employment:
XXX University
Source: XXX University (ID139)

Funder

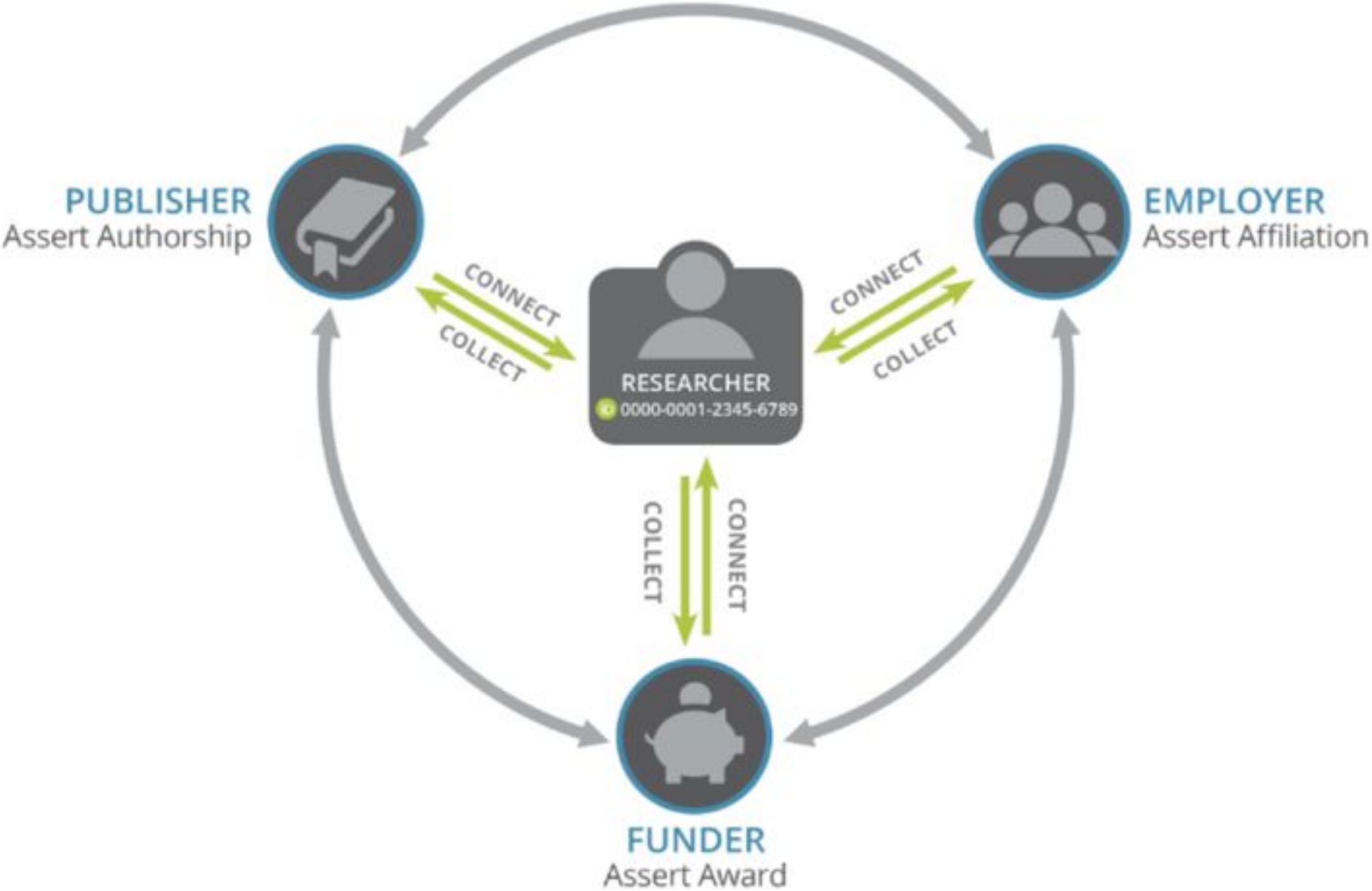
CONNECTS grant

Funding:
YYY Foundation, Grant #123
Source: YYY Foundation (ID45)

Publisher

CONNECTS publication

Works:
Book, Chapter, 2016
Source: ZZZ Publisher (DOI:675)


PUBLISHER
Assert Authorship
EMPLOYER
Assert Affiliation
CONNECT
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CONNECT
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RESEARCHER
0000-0001-2345-6789
COLLECT
CONNECT
FUNDER
Assert Award

ORCID
Connecting Research and Researchers

TRANSPARENCY

Laurel L Haak

ORCID ID
https://orcid.org/0000-0001-5109-3700

Print view

Also known as
L. L. Haak, L Haak, Laure Haak, Laurela L Häka, ローレル・ハーク

Country
United States

Keywords
persistent identifiers, research policy, science workforce, program evaluation, neuroscience, calcium imaging, oligodendrocytes, circadian rhythms

Websites
LinkedIn
ResearchGate

Other IDs
Scopus Author ID: 6602258586
ResearcherID: C-4986-2008
ISNI: 0000000138352317

Biography

Laurel L. Haak, PhD, is the Executive Director of ORCID, an international and interdisciplinary non-profit organization dedicated to providing the technical infrastructure to generate and maintain unique and persistent identifiers for researchers and scholars.

Employment (2) Sort

ORCID: Bethesda
2012-04-09 to present
Employment
Source: Laurel L Haak — Preferred source

ORCID: Bethesda
2012-04-09 to present | Executive Director
Employment
Source: ORCID — Preferred source

Education and qualifications (2) Sort

Stanford University School of Medicine: Stanford, California
to 1997 | PhD (Neurosciences)
Education
Source: Laurel L Haak — Preferred source

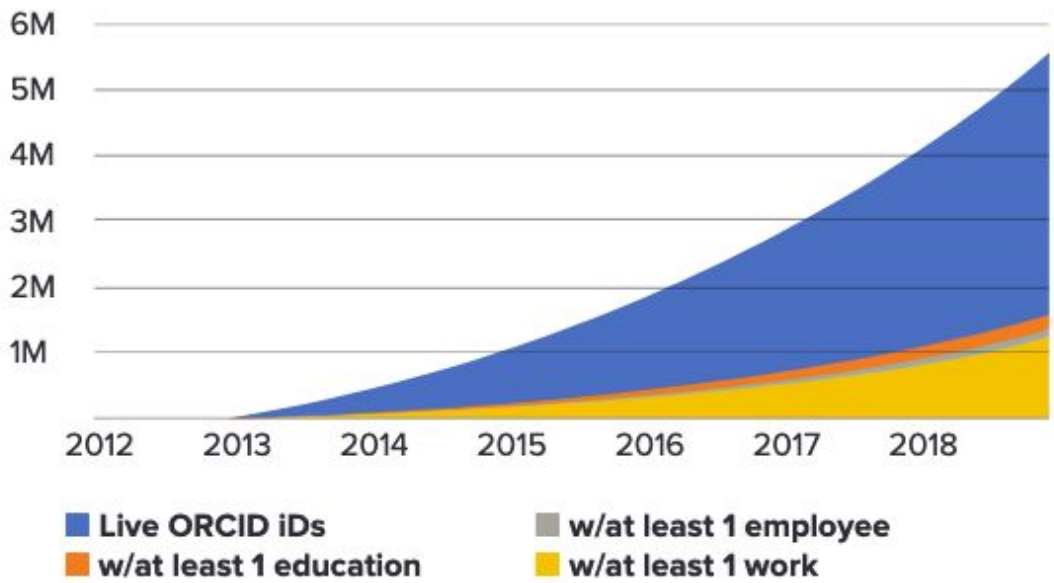
Stanford University: Stanford, California

Hundreds of members and systems use ORCID globally

6.2 MILLION+

live ORCID iDs registered since its 2012 launch

Connections to ORCID records



Source: Orcid.org/statistics as of November 2018

- 3.7 ORCID iDs created every minute
- 193 different languages included in ORCID records
- 73.6% of records have granted update permissions
- 1.97 record updates made per second

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

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

http://idcdocserv.com/US44453318

ORCID Implementation

ORCID CONNECTS IDENTIFIERS

ORCID
Connecting Research and Researchers

Academia.edu
share research

MENDELEY

Google scholar
Search Authors
My Citations - Help

slideshare

ResearchGate

Microsoft Academic Search Beta

VIAF
Virtual International Authority File

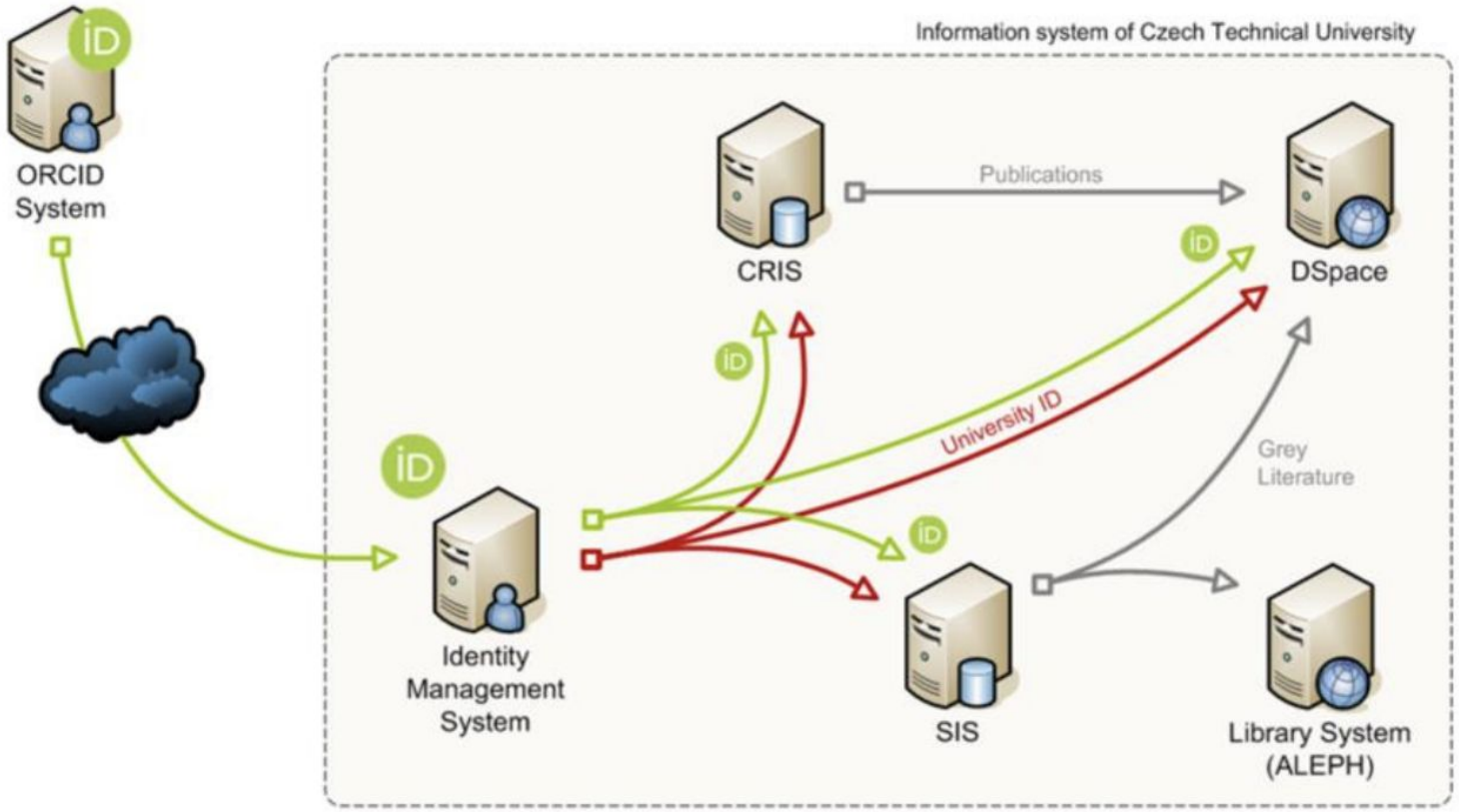
OCLC WorldCat

isni

Scopus preview

RESEARCHERID
THOMSON REUTERS

...AND CONNECTS SYSTEMS



GETTING STARTED

- Identify **relevant local or national policies** and workflows - such as annual research activities reporting, OA repository deposit, benchmarking
- Identify stakeholders and **target system at university** to store ORCID iDs - such as LDAP, personnel, CRIS, repository
- Identify **system of record for affiliation** information
- Identify **systems that will use ORCID** information
- Register for **API credentials**, plan, and test integration
- **Engage with researchers**!

BUILD IT YOURSELF OR USE A SERVICE PROVIDER

Publishing

- Editorial Manager
- Open Journal Systems PKP
- ScholarOne
- eJournalPress
- ReView

Document / data repositories

- Zenodo
- DSpace
- ePrints
- Hydra/Fedora

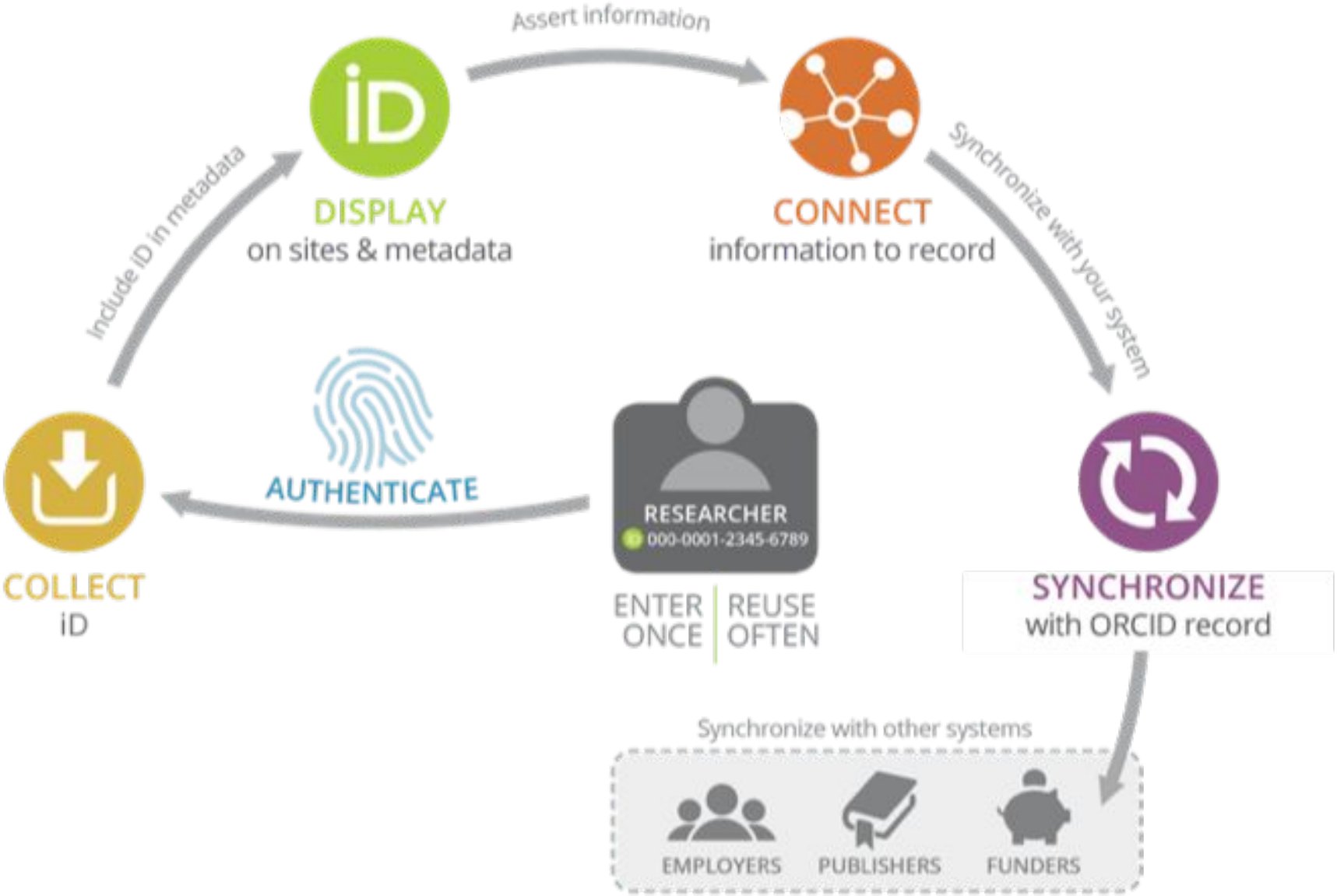
Research Information Systems

- InfoEd
- Converis
- DSpace-CRIS
- Elements
- IRMA
- Pure
- Vivo

... and more in development

RESOURCES

- Read about ORCID use cases https://members.orcid.org
- Learn about ORCID APIs https://members.orcid.org/api
- Use ORCID code https://github.com/ORCID
- Register for ORCID API users listserv https://groups.google.com/forum/#!forum/orcid-api-users
- Register for an organization ID
- Identify primary goals and create an ORCID library guide and training plan https://orcid.org/help
- Use ORCID outreach resources to engage researchers https://members.orcid.org/outreach-resources


Assert information
DISPLAY
on sites & metadata
CONNECT
information to record
Include iD in metadata
Synchronize with your system
AUTHENTICATE
RESEARCHER
000-0001-2345-6789
COLLECT
iD
ENTER ONCE
REUSE OFTEN
SYNCHRONIZE
with ORCID record
Synchronize with other systems
EMPLOYERS
PUBLISHERS
FUNDERS

Impact & Assessment

European Commission

Open Science Policy Platform

All researchers need to be identified through an ORCID ID. Best practice for CV/biosketch evaluation should be developed and publicly showcased to encourage a broader recognition of the range of verifiable (and especially open) contributions individuals make to the knowledge system, including teaching and peer review, and the production of a broad range of output types.

https://ec.europa.eu/research/openscience/index.cfm?pg=open-science-policy-platform#

Collect ORCID iDs and obtain an organization ID

Cape Peninsula University of Technology: Cape Town, Western Cape, ZA

2015-03-01 to present | Professor (Education and Social Sciences)

Employment

Organization identifiers

Ringgold: 70683

Cape Peninsula University of Technology: Cape Town, ZA

Other organization identifiers provided by Ringgold

ISNI: 000000010177134X

OFR: http://dx.doi.org/10.13039/501100004512

Add affiliation to an ORCID record through your university system

Publisher submission systems ingests the ORCID iD and organization ID (and funding) from the author ORCID record

Publication databases index and are searchable by ORCID and organization identifiers

Timely and accurate data for benchmarking and evaluation

MEMBERSHIP CATEGORIES

Member Benefit	Basic - NonProfit	Premium	Consortium
API Access	(1)	(5)	(5) per consortium member
Webhooks: API-based notifications	No	Yes	Yes
Implementation support (email)	Yes	Yes - priority queue	Yes - via consortium lead, escalation to ORCID
Analytics reports	2/annum (general)	Monthly (includes API usage statistics)	Monthly (includes API usage statistics and consortium summary)
Orientation webinar to kick off project	1	Up to 2 per month	Consortium lead provides orientation; ORCID trains lead, sponsors global consortium workshop, provides information sharing platform
Requirements and Pricing	• Consortium requirements at https://orcid.org/content/orcid-consortia • Member details and price list at https://orcid.org/about/membership		

"At a national level, join ORCID, which provides unique identifiers for researchers, to make finding researchers' scientific contributions easier and more reliable"

Frédérique Vidal, Minister of Higher Education, Research and Innovation

"France is committed to making scientific research results open to all – researchers, companies, citizens."

https://libereurope.eu/blog/2018/07/05/frenchopenscienceplan/

All about ORCID

ORCID is free to researchers

ORCID is portable and enduring

ORCID is open and interoperable

Your ORCID iD is a unique number which identifies you as a researcher

"How can I build a verified record of my research activities, with automatic updating, and that is interoperable with all the different institutions, funders, and publishers I work with?"

Distinguish yourself, get credit for your research activities, contributions and affiliations, reduce form-filling, and improve recognition and discoverability for you and your research outputs

You control when and where you use your iD

Build trusted connections

Enter data once, re-use it often

You manage connections to your iD in your ORCID account

You decide how your data may be viewed and accessed

Sign in where you see iD