



# ORCID

## THE VALUE OF AUTHENTICATED IDENTITIES

RESEARCH INFRASTRUCTURES AND SERVICES: OPEN SCIENCE PRACTICE |  
UNIVERSITY OF LATVIA | NOVEMBER 5, 2019



Connecting Research  
and Researchers

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ORCID.org

## 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.



# WHAT IS ORCID?

- A persistent identifier for researchers
- A registry
- A set of standard procedures (APIs) for connecting researchers to their affiliations and activities
- A committed community building connectors
- An international-scale open research effort



iD

# persistent identifier



an organization  
made a promise  
to keep it alive

globally unique  
string

noturīgs identifikators  
(a.k.a. PIDs)

# Disambiguate

viennozīmīgi

With ORCID you can  
remove uncertainty

**Robin Dasler**

**ORCID iD**

 <https://orcid.org/0000-0002-4695-7874>

 [Print view](#) 

**Also known as** 

RH Dasler, RL Dasler, RL Howard,  
Robin Howard

**Other IDs** 

[ResearchID: N-9035-2013](#)

# What kind of stuff gets a PID?

Journal articles. via Crossref (<https://crossref.org>) 

People. via ORCID. (<https://orcid.org>) 

Data, software, and other stuff. via DataCite. (<https://datacite.org>) 

Research organizations. via ROR. (<https://ror.org>)  LEI | GLOBAL  
LEGAL  
ENTITY  
IDENTIFIER  
REGISTRY

And others.

# THE ORCID COMMUNITY

- 1,096 organizational members from 46 countries
- 670+ system connectors: all research sectors
- Over 7.4 million IDs issued
- 21 consortia in:
  - Americas: Brazil, Canada & United States
  - EMEA: UK, Norway, Finland, Sweden, Netherlands, Belgium, Germany, Italy, Portugal, Israel, South Africa, Denmark, Greece, Austria, France
  - APAC: Australia, New Zealand, Taiwan



# Why are ORCID iDs important?





# 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**



## 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

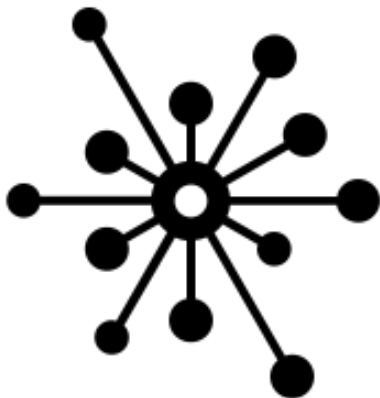


**Institutions must increasingly recognize and demonstrate the impact of all types of research contributions**



Source: Meadows, Alice; Laurel, Haak (2019): The Value of Using Unique Identifiers for Researchers. figshare. Poster

# Data in research evaluation



Research evaluation is hampered by a lack of data that clearly connect a research program with its outcomes and, in particular, by ambiguity (neskaidrība?) about who has participated in the program and what contributions they have made.

# Administrative burden

Manually making these connections is very labor-intensive, and algorithmic matching introduces errors and assumptions that can distort results.



*Unique researcher identifiers have the potential to bring efficiency and transparency to the creation and re-use of information for research evaluation.*

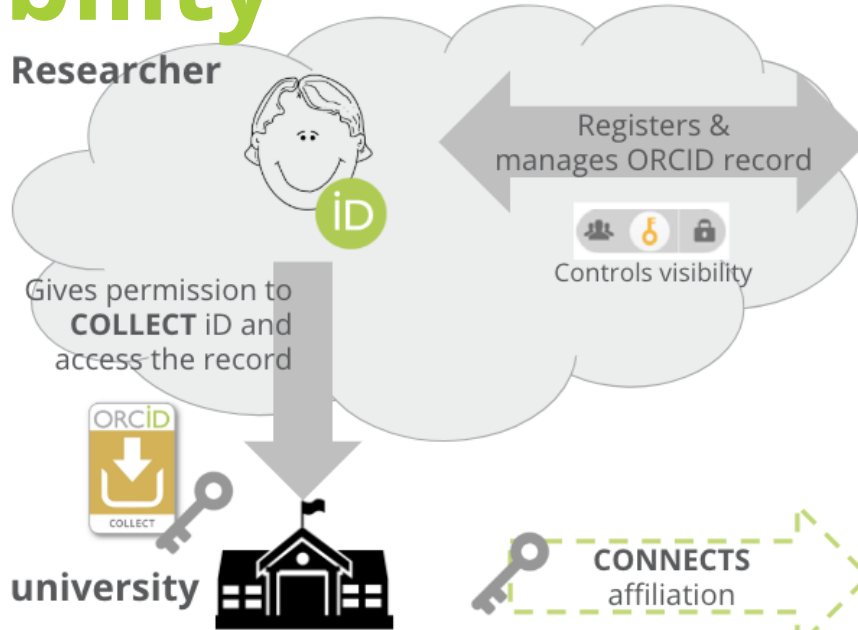
# Visibility, Interoperability & Credibility

ORCID benefits for researchers



# Visibility

## Researcher



## ORCID record

### Researcher Name

#### ORCID ID

iD [orcid.org/xxxx-xxxx-xxxx-xxxx](https://orcid.org/xxxx-xxxx-xxxx-xxxx)

#### Basic information

- Other names
- Email addresses
- Biography

#### Account settings

#### Activities & affiliations

##### Employment:

XXX University  
Source: **XXX University (ID139)**

##### Funding:

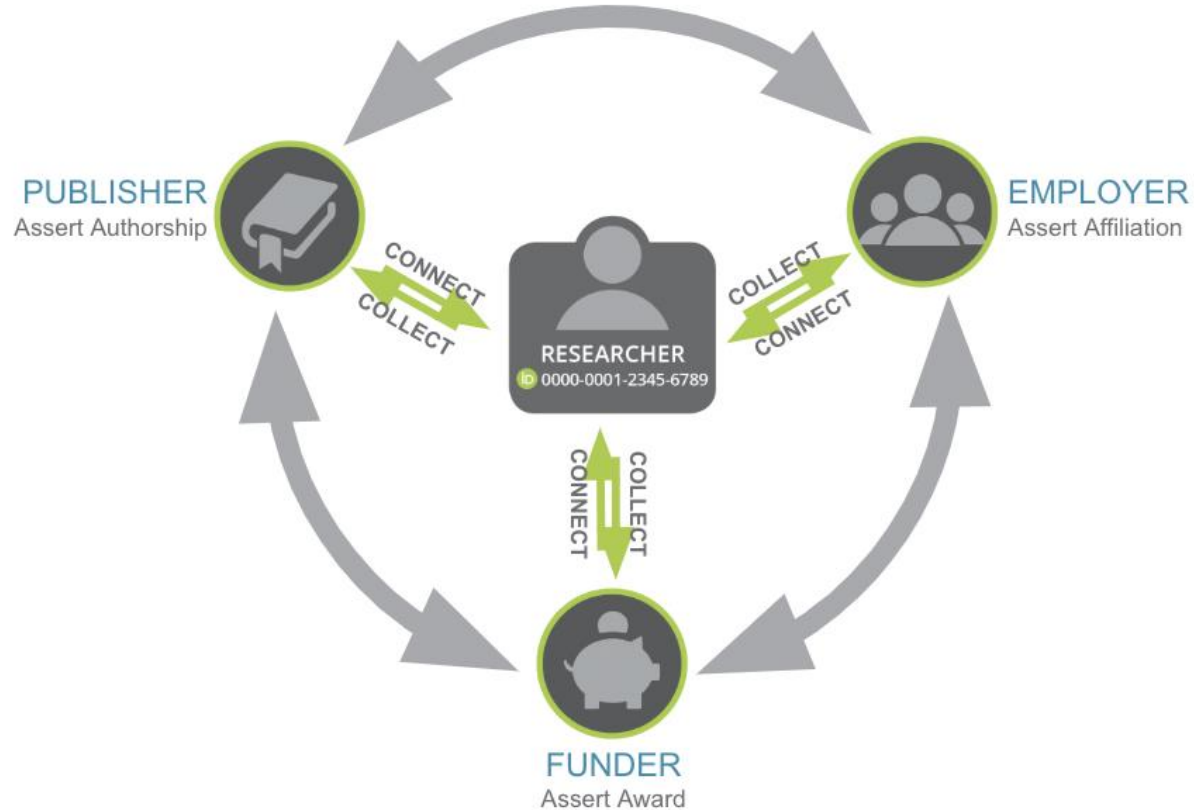
YYY Foundation, Grant #123  
Source: **YYY Foundation (ID45)**

##### Works:

Journal ZZZ, vol. 45, 2016  
Source: **ZZZ Publishing (ID675)**



# Interoperability



# Credibility

**Richard A  
Jefferson**

## ORCID iD

 <https://orcid.org/0000-0001-5352-4498>

 [Print view](#) 

## Also known as

Richard Anthony Jefferson, RA Jefferson, R.A. Jefferson

## Websites

[LinkedIn](#)  
[Cambia](#)

## Country

Australia

## Other IDs

Scopus Author ID: 7006667478

## ▼ Funding (3)

↑↓ Sort

### REGULATION OF GENE ACTIVITY DURING TUBER DEVELOPMENT

National Institute of General Medical Sciences (Bethesda)

1986-02-28 to 1987-01-01 | Grant

GRANT\_NUMBER: F32GM010789

URL: <https://app.dimensions.ai/details/grant/grant.2378616>

Source: ÜberWizard

★ Preferred source

## ▼ Works (50 of 118)

↑↓ Sort

### Mapping the global influence of published research on industry and innovation.

Nature biotechnology

2018-01 | journal-article

PMID: 29319684

DOI: [10.1038/nbt.4049](https://doi.org/10.1038/nbt.4049)

Source: Europe PubMed Central

★ Preferred source

### Comment: Turning science into social outcomes.

Nature

2017-08 | journal-article

PMID: 28792924

DOI: [10.1038/548s8a](https://doi.org/10.1038/548s8a)

Source: Europe PubMed Central

★ Preferred source

# Research Vision

Benefits realisation



**TO REALIZE THE OPEN  
RESEARCH VISION,  
EVERY STAKEHOLDER  
MUST TAKE ACTION**

# 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**

# 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

# Three Ways to Get Involved

1. Encourage and support your researchers in getting, sharing, and using their ORCID iD
2. Invest in integrating ORCID into your systems
3. Connect data to and from your researchers' ORCID records to support information use and reuse across organizations

# THANK YOU...



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