Connecting with Persistent Identifiers to Maximize Impact and interoperability

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ORCID | Connecting Research and Researchers

ORCID.org

Takeaways

After this session, you should:

1. Understand what ORCID is and how it can benefit researchers

2. Recognize why and how research organizations adopt ORCID in the research workflow

3. Take actions to connect ORCID iDs with other researcher identifiers and organizations IDs during the research workflow

# Why does the Research Community Connect With Persistent Identifiers?

Build a trusted research information infrastructure.

The Research Community Wants

- Researchers are accurately credited for their contributions

- Researchers can easily share electronic information about their contributions and affiliations

- Organizations can easily acquire and share research information

- Organizations are accurately cited

- Accurate search and discovery tools are available
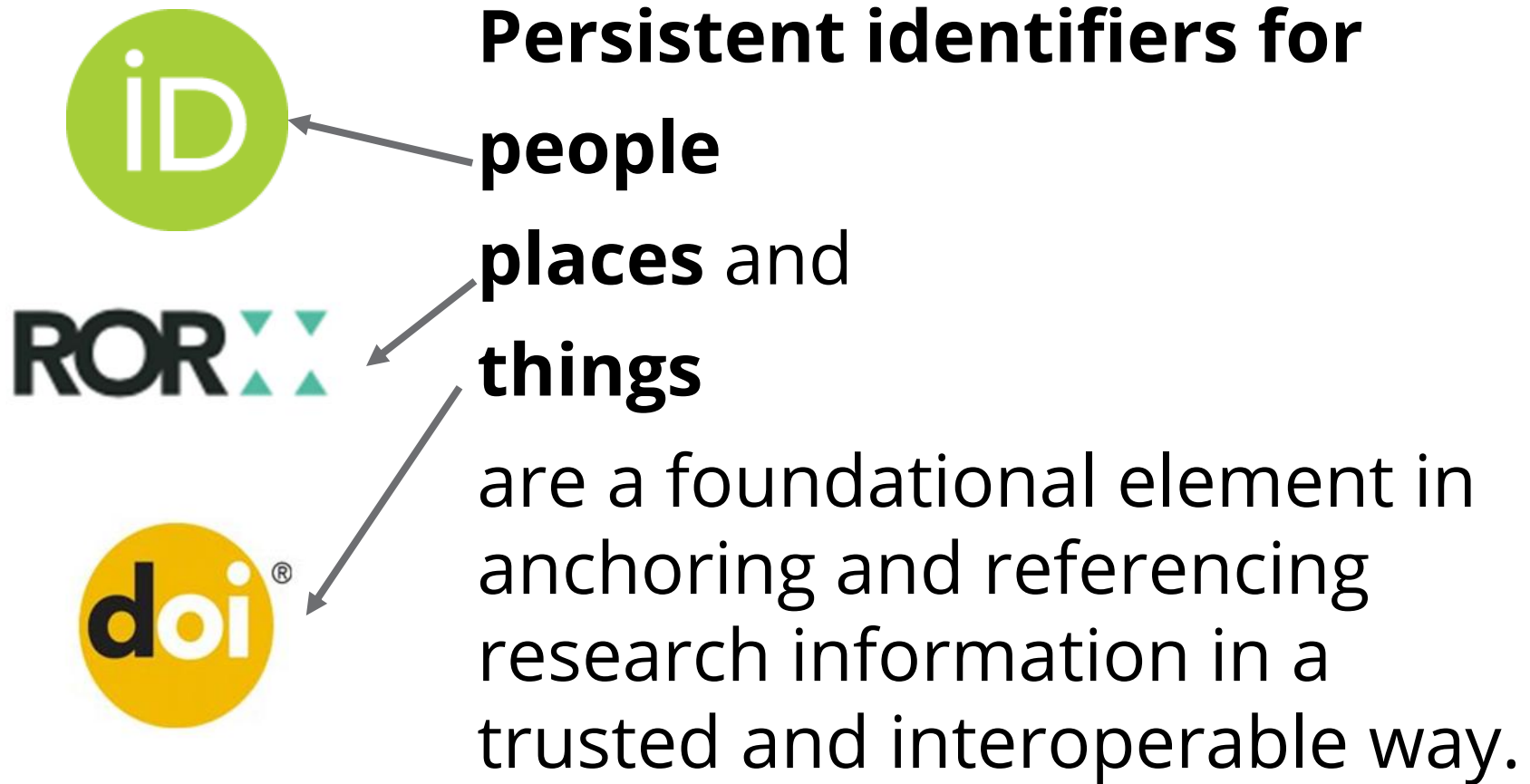
One of the Challenges...

- Transcending silos.

- Connections among people, places and things are often NOT transparent, hard to identify.
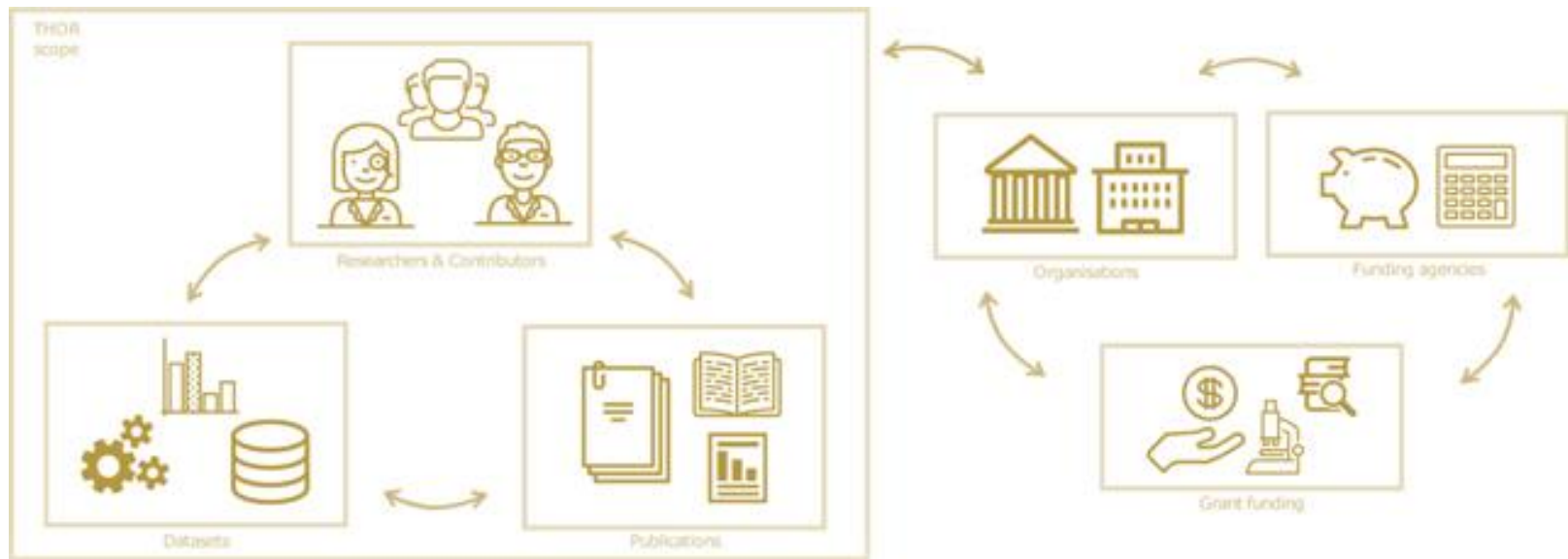
To make the vision come true

- **Open Research infrastructure** is needed for the research community
  - to share information on a global scale
  - to reduce burden on acquiring information
  - to ensure data quality for further metrics

- To start with...?

The Value of Identifiers

Persistent identifiers for people places and **things** are a foundational element in anchoring and referencing research information in a trusted and interoperable way.

ORCID introduction

Executive

Chris Shillum
Executive Director

Operations

Sarah Hershberger
Director, Operations

Emilia Kutrovska
Project Manager

Padma Gopinath
Accountant

Stephanie Harley
Events Coordinator

Sandy Paparisto
HR Manager

Engagement

Ivo Wijnbergen
Director, Engagement

Estelle Cheng
Manager Direct Members

Brian Minihan
Direct Lead

Ana Paty Cardoso
Direct Lead

Shawna Sadler
Outreach & Parterners hip

Gabriela Mejias
Consortia Manager

Nabil Ksibi
EMEA Lead

Paloma Marin-Arraiza
EMEA Lead

Francisco Alsina
Member Support Technical Specialist

Jordan Holt
Member Support Technical Specialist

Product

Tom Demeranville
Director, Product

Paula Demain
Product Mgr
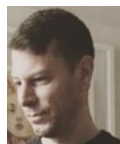
Dan Dineen
UX Specialist

Communications

Julie Petro
Director Comms

Rob Blackburn
Web Producer

Katrina Willis
Comms Specialist

Kimberly Inniger
Events & Outreach Specialist

ORCID

https://info.orcid.org/orcid-team/

36 people
16 countries
15 languages

Technology

Will Simpson
Director, Technology

George Nash
Tech Lead, New Projects
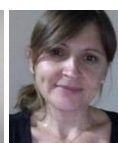
Angel Montenegro
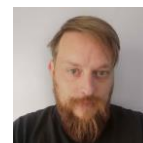Tech Lead, Registry

Leo Mendoza
Front End Developer

Daniel Palafox
Full Stack Engineer
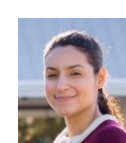
Giles Westwood
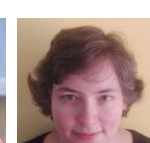Devops Engineer

Camelia Dumitru
Back-End Engineer

Matt Stockman
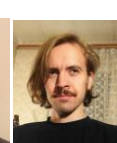User Support Manager

Pedro Costa
QA Lead

Thamirys Cabral
User Support Specialist

Mitra Najafi-Gheidari
Senior User Support Specialist

Andrej Romanov
User Support Specialist

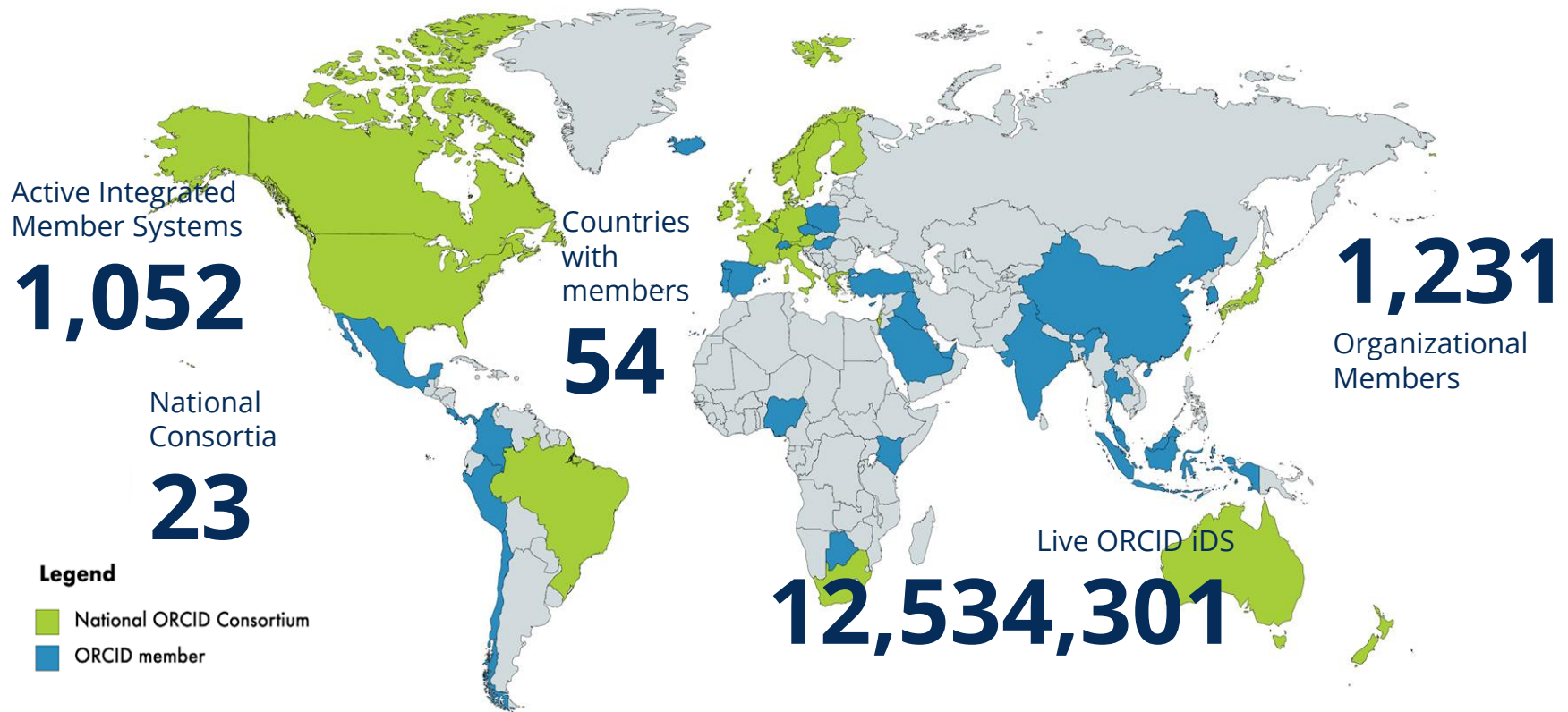**Natalia Aldana**
User Support Specialis

What is ORCID?

- ORCID is a **non-profit, membership, and platform-neutral** organization registered in the U.S. ORCID is sustained by members from publishers, funders, research institutes and others
- Guided by [our values and founding principles](#)
- **Community-governed** by a Board of Directors representative of our membership
- ORCID's vision is a world where all who participate in research, scholarship, and innovation are uniquely identified and connected to their contributions across disciplines, borders, and time.

https://orcid.org/statistics

We have reached a critical mass of global participation

Active Integrated Member Systems

1,052

Countries with members

54

National Consortia

23

Legend

National ORCID Consortium

ORCID member

Live ORCID iDS

12,534,301

1,231

Organizational Members

Fast Facts - ORCID in Korea

- 5 organizational members
  - Gwangu Institute of Science and Technology
  - Korea Institute of Science and Technology Information (KISTI)
  - Korea University Medicine
  - Naver Corporation
  - Yonsei University Health System

SOUTH KOREA

12

Fast Facts - ORCID in Korea

- Ranks the 5th largest traffic of users to the ORCID Registry in Asia

- 65,523 ORCID records affiliated with Korea (*actual numbers could be higher)

South Korea
Users: 866,334

5 | 4,873,572
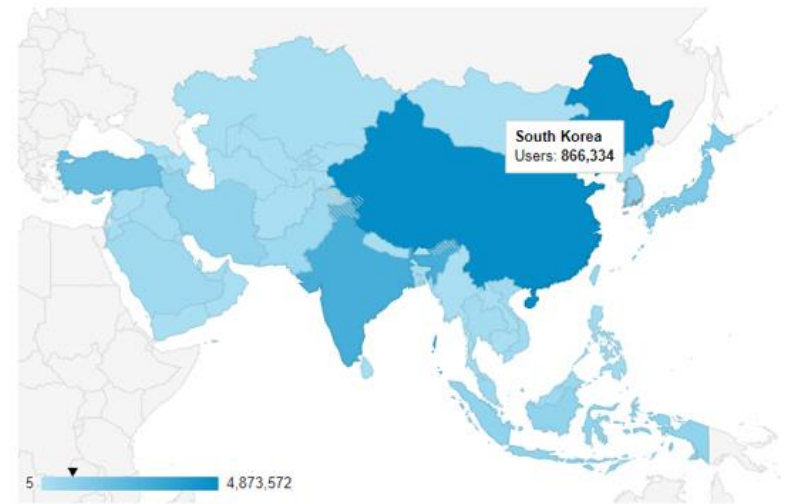
Fast Facts - ORCID in Korea

- Naver ranks the 9ᵗʰ most frequently adopted Social Networks to the ORCID Registry

Social Traffic

Top Social Networks

Social Network	Sessions	ga:avgSessionDuration
Facebook	256,028	2.40
Twitter	84,679	0.71
LinkedIn	50,421	1.43
ResearchGate	35,598	1.47
Instagram	17,841	0.74
YouTube	11,605	2.25
VKontakte	10,445	3.02
WordPress	7,856	1.64
Naver	6,856	3.82
Blogger	6,551	2.41

View all 69 rows

ORCID Services

What does ORCID Provide?

A globally unique and open identifier for researchers

Researchers share their iD with organizations during regular research workflows

A place to store and share the resulting connections between iDs and research activities and affiliations

https://orcid.org

- **Persistent Identifier**: [iD] http://orcid.org./0000-0002-2771-9344
- No matter changes in:
  - Name?
  - Career?
  - Location?
  - Discipline?
- Your **ORCID iD** stays the same! (It's persistent)

What does ORCID Provide?

A globally unique and open identifier for researchers

A set of standard procedures (APIs) for connecting researchers to their affiliations and activities

A place to store and share the resulting connections between iDs and research activities and affiliations

https://orcid.org
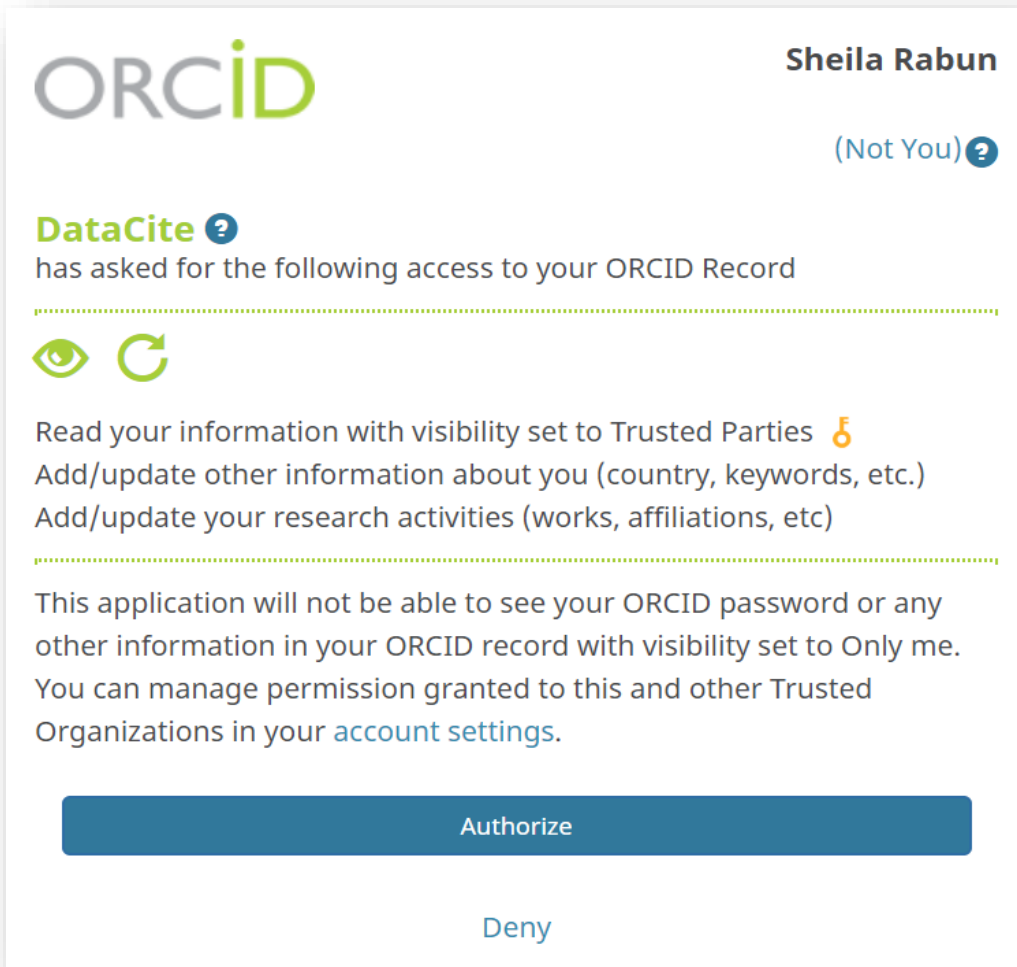
ORCID Members (Organizations) can use ORCID's API to invite researchers to share ORCID iDs via Oauth authentication.

ORCID Members can collect information from ORCID and to connect research activities to researchers' ORCID records.

Trusted Organizations

- Service Providers
- Data Repositories
- Research Institutes
- Publishers
- Grant funders

(ORCID-integrated system)   (Your ORCID iD)
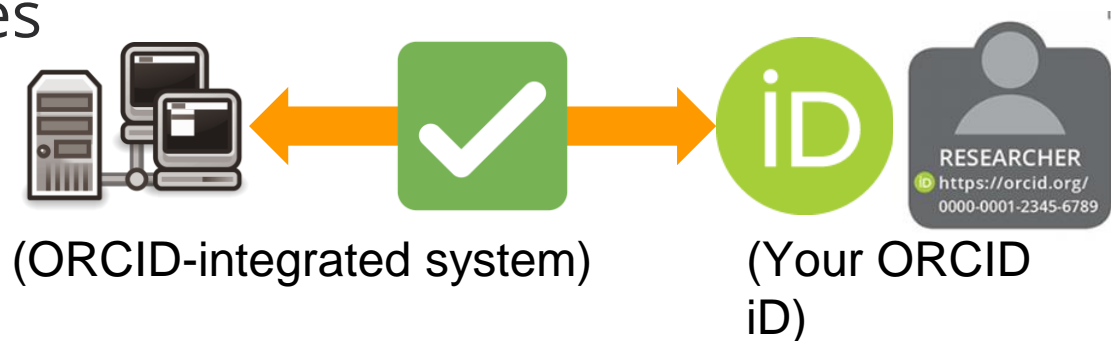
❤ Works (10 of 10)   ⬆⬇ Sort

Data Management Assessment and Planning Tools

2014 | book-chapter

DOI: 10.18130/V3FB8T

Source: University of Virginia   ☑ Preferred source

What does ORCID Provide?

A globally unique and open identifier for researchers

A set of standard procedures (APIs) for connecting researchers to their affiliations and activities

A place to store and share the resulting connections between iDs and research activities and affiliations

https://orcid.org

Connections: affiliations

Jason Gush

ORCID iD

🆔 https://orcid.org/0000-0001-8920-0452

🖨 Print view ❓

Country:

∨ Employment (1)

Royal Society Te Apārangi: Wellington, NZ

2016-09 to present | Programme Manager -- Insights & Evaluation | ORCID (Research Funding)

Employment

Source: Royal Society Te Apārangi   ★ Preferred source

Connecting affiliations to the researcher's ORCID account – New Zealand, Royal Society Te Apārangi

Connections: Works

Je-Wook Yu

ORCID iD

ⓘ https://orcid.org/0000-0001-5943-4071

⌄ Employment (1)

Yonsei University College of Medicine: Seodaemun-gu, Seoul, KR
2012-03-01 to present | (Microbiology and Immunology)
Employment

Source: Je-Wook Yu   ★ Preferred source

Non-invasive in vivo imaging of caspase-1 activation enables rapid and spatiotemporal detection of acute and chronic inflammatory disorders
2020 | journal-article
DOI: 10.1016/j.biomaterials.2019.119543
URI: 22282913/174897
PMID: 31634653

Source: Yonsei University Medical Library   ★ Preferred source

Connecting professional activities to the researcher's ORCID account –Yonsei University Medical Library

Connections: Funding

Connecting grants to the researcher's ORCID account – Chang Gung University

Connections: Peer Review

Review date	Type	Role		Actions
2020-08-06	review	reviewer		▲ hide details | view | 🗑

Review identifier(s)
SOURCE-WORK-ID: 1547

Convening organization
OAE Publishing Inc. (Beijing, CN)

Review subject
(journal-article)
Cancer Drug Resistance.

Added	**Last modified**
2020-08-06	2020-08-06

Source: OAE Publishing Inc.

★ Preferred source

2020-08-06	review	reviewer		▲ hide details | view | 🗑

Review identifier(s)
SOURCE-WORK-ID: 1549

Convening organization
OAE Publishing Inc. (Beijing, CN)

Review subject
(journal-article)
Cancer Drug Resistance.

Added	**Last modified**
2020-08-06	2020-08-06

Source: OAE Publishing Inc.

★ Preferred source

Connecting peer reviews to the researcher's ORCID account – OAE Publishing Inc.

iD

ORCID for Organizations

Improving the flow of research information

Global Trends: Research Institutions

Save reporting time for researchers, improve ability to evaluate research outcomes

- Over 700 research institutions are members of ORCID and are actively integrating ORCID into personnel and reporting workflows.
- ORCID can be adopted using various systems
- Human Resource systems
- Research Information Management Systems
- Repositories
- Publishing Systems and more

Source:https://orcid.org/organizations/funders/policies

Use Case: Korea University Medicine

- Korea University Medicine Research Information Management Service System
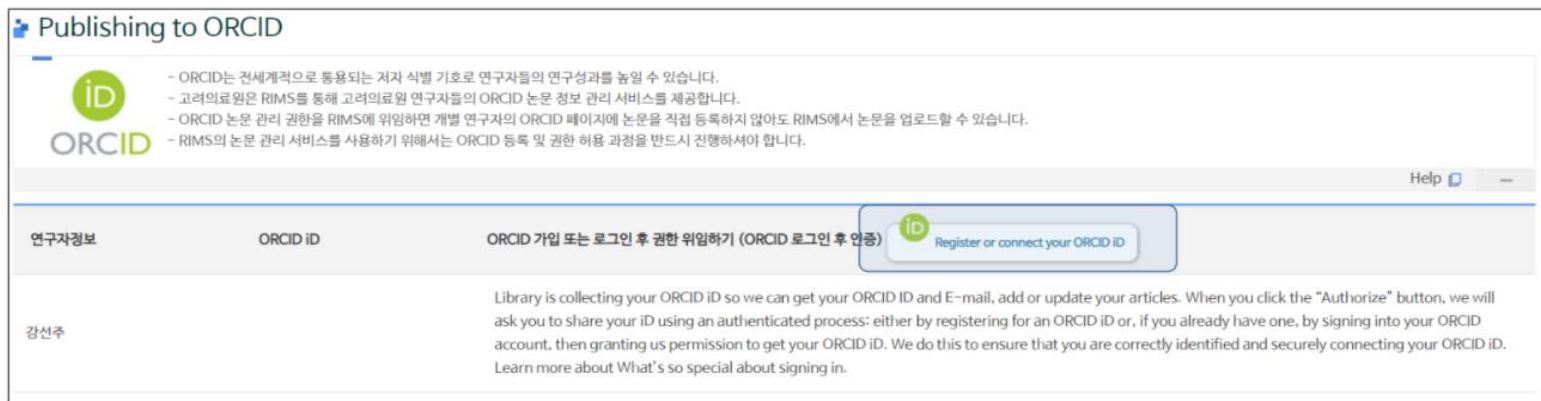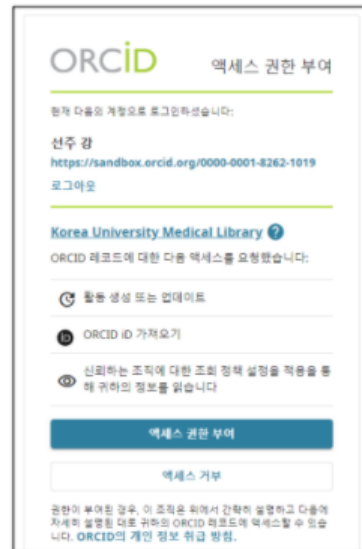
Use Case: Korea University Medicine

- Connects Researchers' research works from the RIMS to their ORCID Records

Global Trends

Publishers

- Publishers and repositories around the world use DOIs and ISBNs to persistently identify journals, datasets, and books
- At least Over 7,138 publisher and journal systems currently collect ORCID iDs during manuscript submission [video]. Many are also using ORCID for peer review.

Publishing Systems

- Supported ORCID features and configuration steps vary by system

| Editorial Manager/ProduXion Manager |
| Open Journal Systems |
| ScholarOne Manuscripts |
| eJournalPress |
| ReView |

Use Case: Open Journal System

- OJS is an open-source software application for managing and publishing scholarly journals.

- An ORCID Certified System.

- Publishers can connect published works directly to an author's ORCID record with the author's permission.
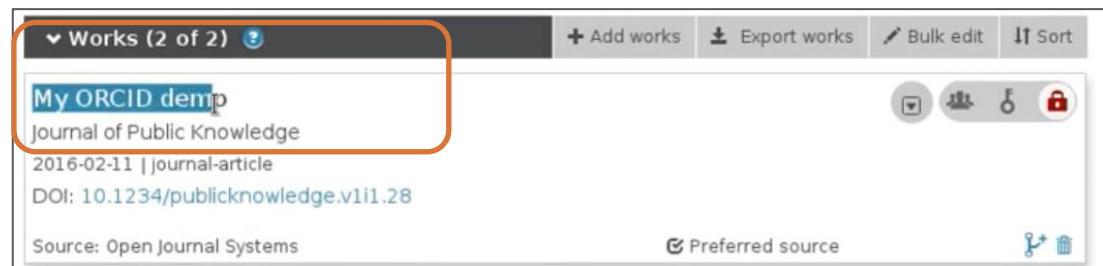
Use Case: TsingHua University Press

- Adopting ORCID into the customized author service profile system

Use case:
Tsinghua University Press

- Connects Publication Information to researcher's ORCID Records

Benefits for Organizations

- Collect research information from various sources

- Connect validated data from your system to ORCID and to be findable & interoperable worldwide

- Enjoy automated information-sharing and cross-system interoperability

Interoperability

PUBLISHER
Assert Authorship

EMPLOYER
Assert Affiliation

RESEARCHER
iD 000-0001-2345-6789

FUNDER
Assert AWARD

CONNECT
COLLECT

CONNECT
COLLECT

CONNECT
COLLECT

iD
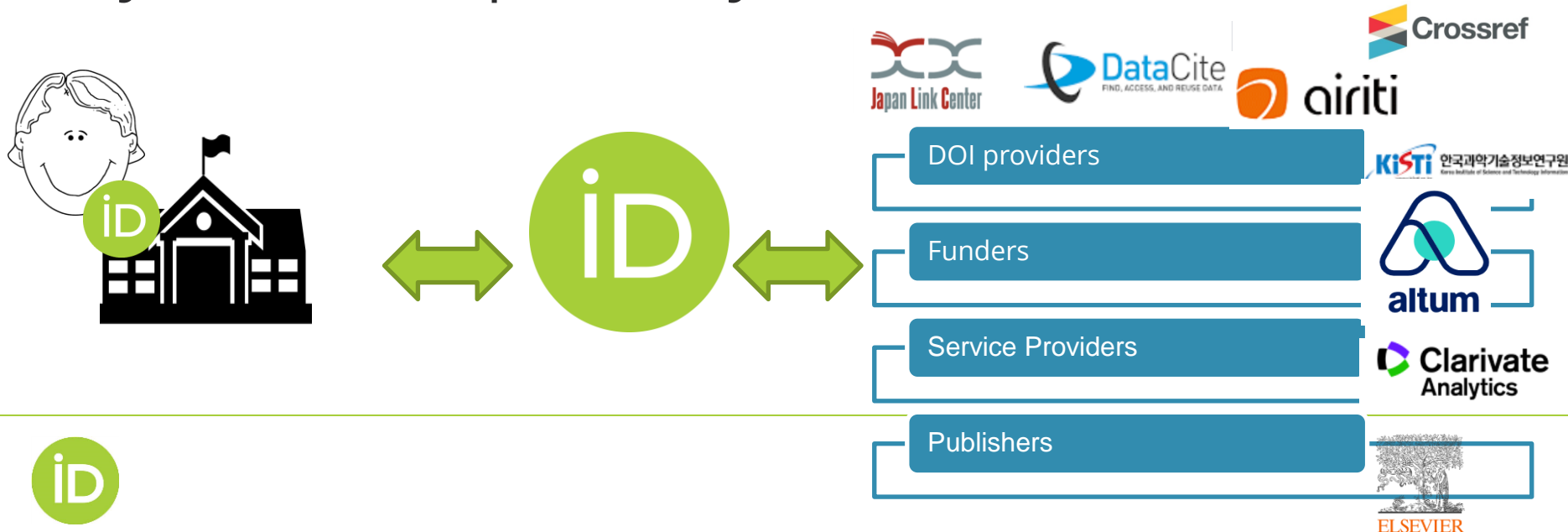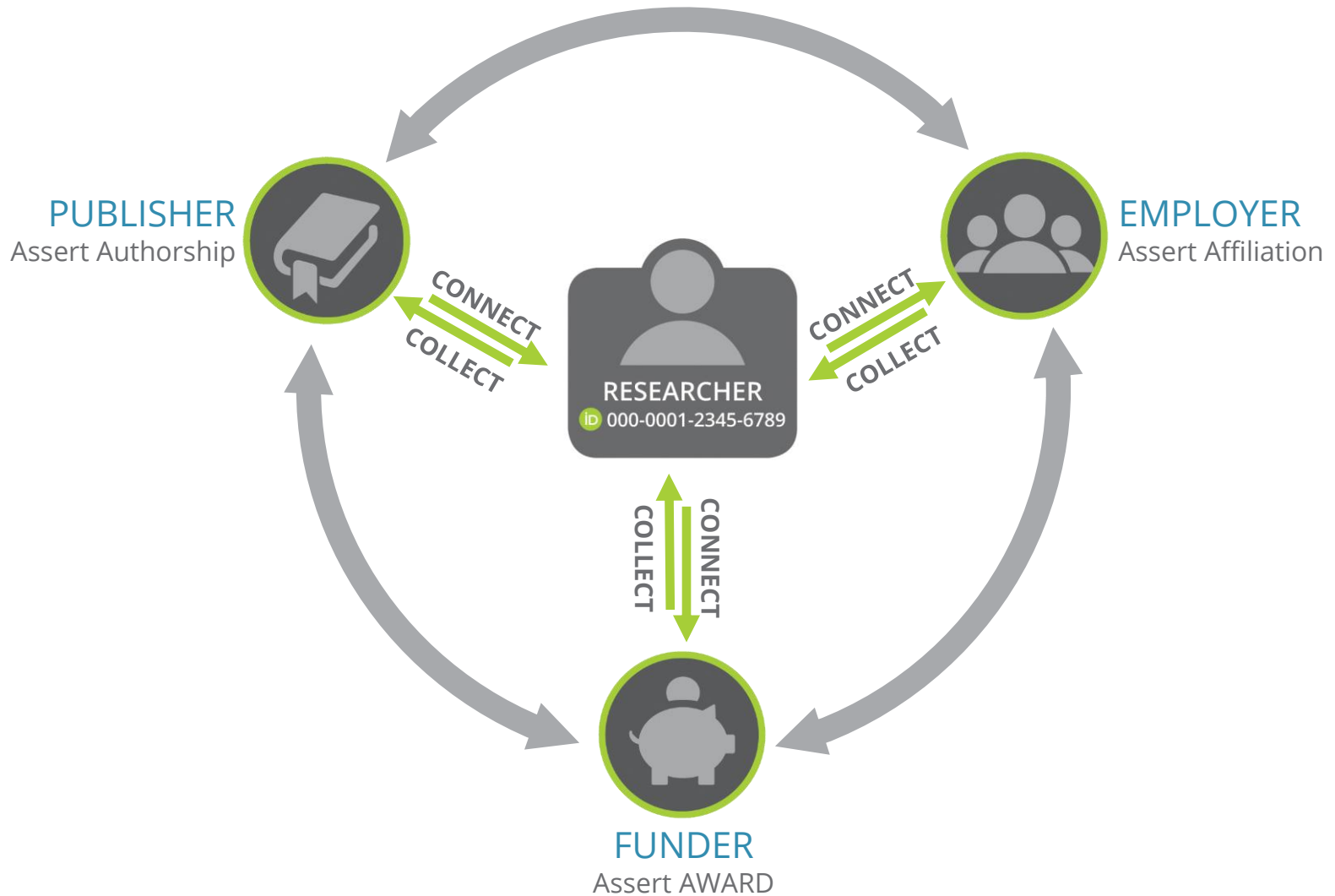
ORCID for Researchers

Connect Your ORCID iDs and Add Information to your ORCID Records!

Connect ORCID in publishing

- During journal article submission

Connect ORCID in Depositing

- Managing research outputs in Repositories

Connect ORCID During Grant Submission

- During grant application workflow

Connecting ORCID with other iDs: Scoups ID

- Option 1: Linking ORCID from Scopus Author ID

Connecting ORCID with other iDs: Scoups ID

- Option 2: Linking Scopus Author ID from ORCID

Connecting ORCID with Publons

- As of now, researchers link ORCID from Publons

UPDATE YOUR ORCID RECORD FROM PUBLONS

Click the button below to allow Publons to keep your ResearcherID up to date on your ORCID record. If you have a ResearcherID it will be exported to the "Other IDs" section of your ORCID record.

GRANT PUBLONS PERMISSION TO UPDATE YOUR ORCID RECORD

SAVE CHANGES

ORCID Settings

You have linked ORCID record: iD https://orcid.org/0000-0001-1234-5678

EXPORT YOUR REVIEWS TO ORCID

You have 0 eligible verified pre-publication reviews which can be exported to your ORCID record. If you believe you have more reviews to export than reported please get in touch.

☑ **Automatically export new reviews to ORCID**

EXPORT REVIEWS TO ORCID NOW

Add information to ORCID records

- By researchers themselves
  - Via ORCID Search & Link Wizards
  - Add works using an identifier
  - Importing works from a BibTeX file
  - Add works manually

- By Trusted organizations for researchers
  - Through ORCID member organizations
  - Through DOI providers: auto-update

Through DOI providers: auto-update
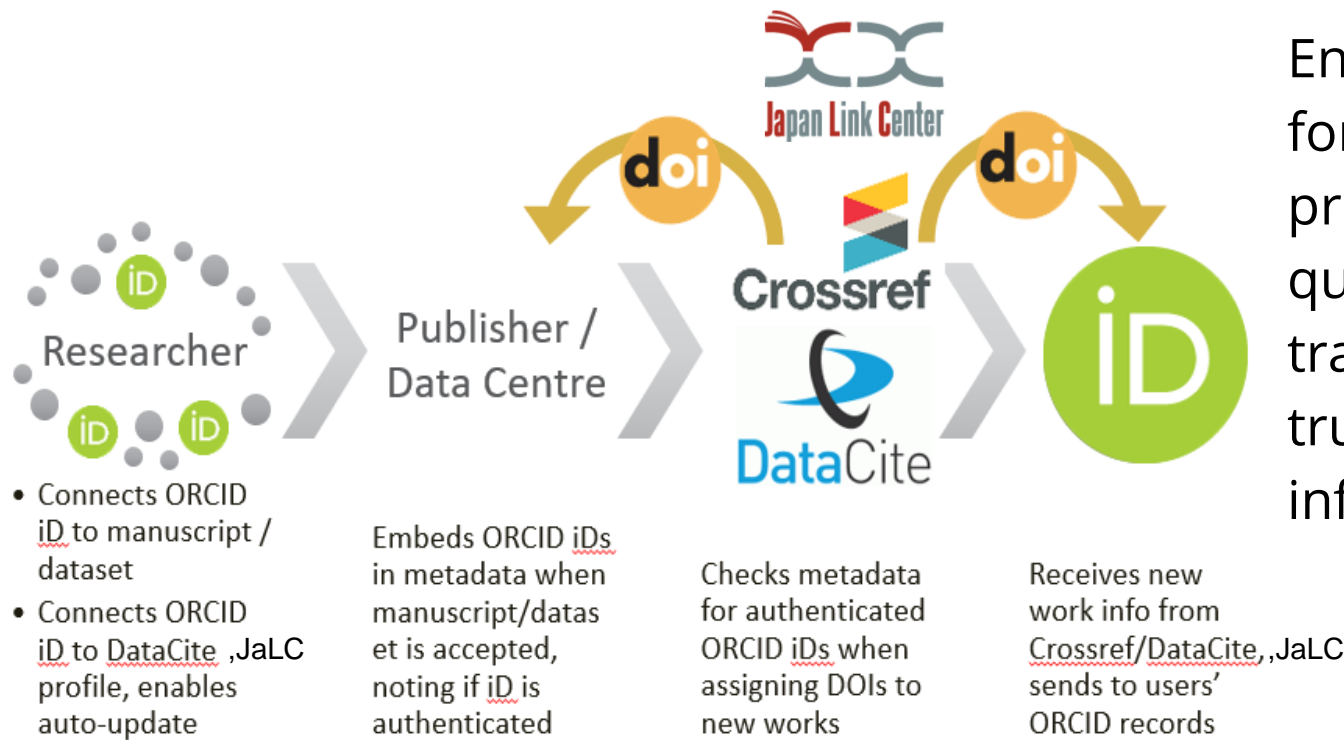

☐ 研究人员使用唯一标识符的价值

Figshare

2019 | other

DOI: 10.23640/07243.8029259.v1

Source: DataCite

★ Preferred source

Enable time-savings for researchers, preserve metadata quality, and support transparency and trust in research information

Japan Link Center

Crossref

DataCite

Researcher

Publisher / Data Centre

iD

• Connects ORCID iD to manuscript / dataset
• Connects ORCID iD to DataCite ,JaLC profile, enables auto-update

Embeds ORCID iDs in metadata when manuscript/datas et is accepted, noting if iD is authenticated

Checks metadata for authenticated ORCID iDs when assigning DOIs to new works

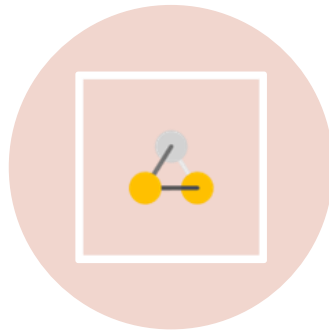Receives new work info from Crossref/DataCite,,JaLC sends to users' ORCID records

To Recap:
How organizations can start
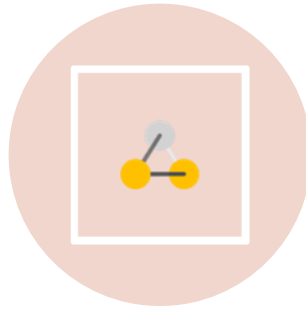
ADOPT ORCID

INTEGRATE ORCID INTO SYSTEMS

SYNC RESEARCH INFORMATION BETWEEN ORCID AND YOUR SYSTEMS

To Recap:
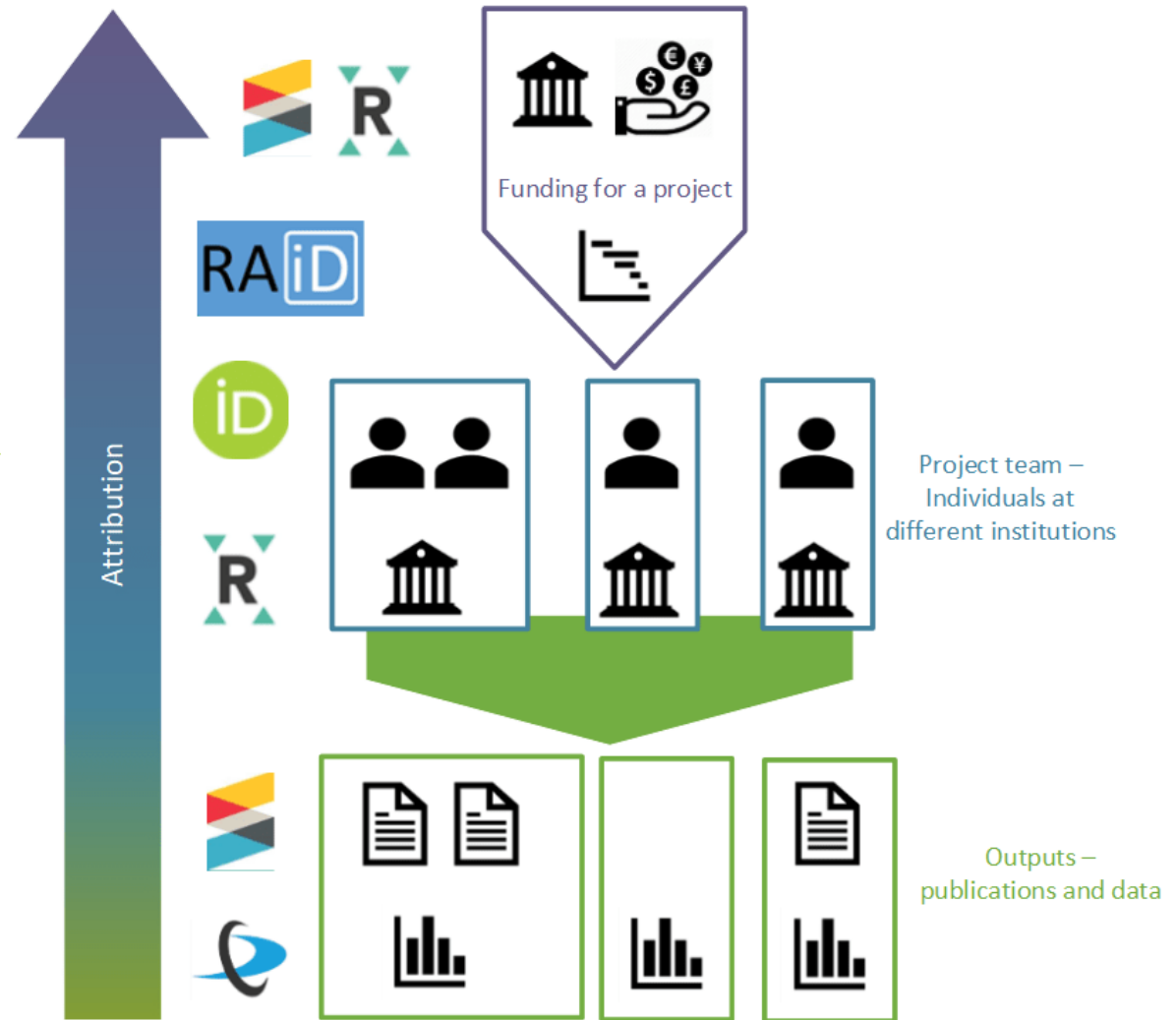# How researchers can start

CONNECT ORCID

CONNECT WITH OTHER IDS

ADD INFORMATION TO ORCID RECORD

Connections maximize impact and interoperability

Resources for the Community

- [Outreach resources](#)

- [Comprehensive Documention](#) and support

- [Slide Templates](#) for you to communicate ORCID to your researchers

- [Content Templates](#) for you to communicate ORCID to your researchers

iD

THANK YOU

Find out more at https://orcid.org

Register at https://orcid.org/register

Email   e.cheng@orcid.org

Skype j493520

WeChat j493520

Twitter:@ORCID_Org / @ChihEstelle

Discussion and Feedback

Collaborating for Trusted Connections