

ORCID-CA and the Infrastructure of Open Science in Canada

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ORCID in Canada

- Consortia lead: **Canadian Research Knowledge Network**
- Governance: Governing Committee & Advisory Committee
- Reduced license fee to ORCID *Premium API*
- Support from the *Community Manager* - **ORCID-CA**
- 35 ORCID-CA member institutions

ORCID-CA origins: Implementation Group 2016-17

A multi-stakeholder working group with representation from across the research ecosystem



Spend more time making
contributions and less time
managing them



Enter Once | Reuse Often

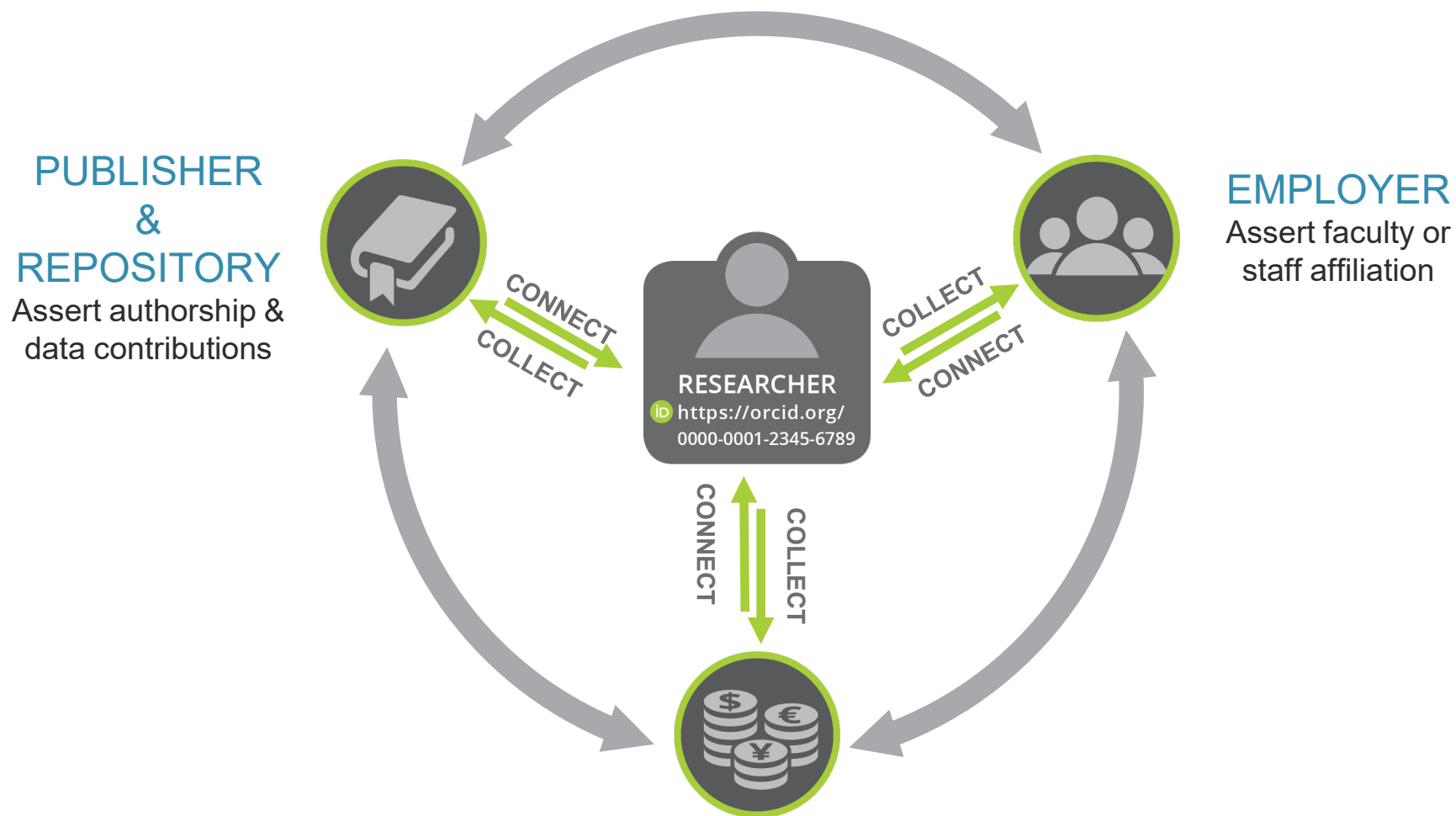
Solve the name-
disambiguation problem:

John Smith != John Smith

Just a number?

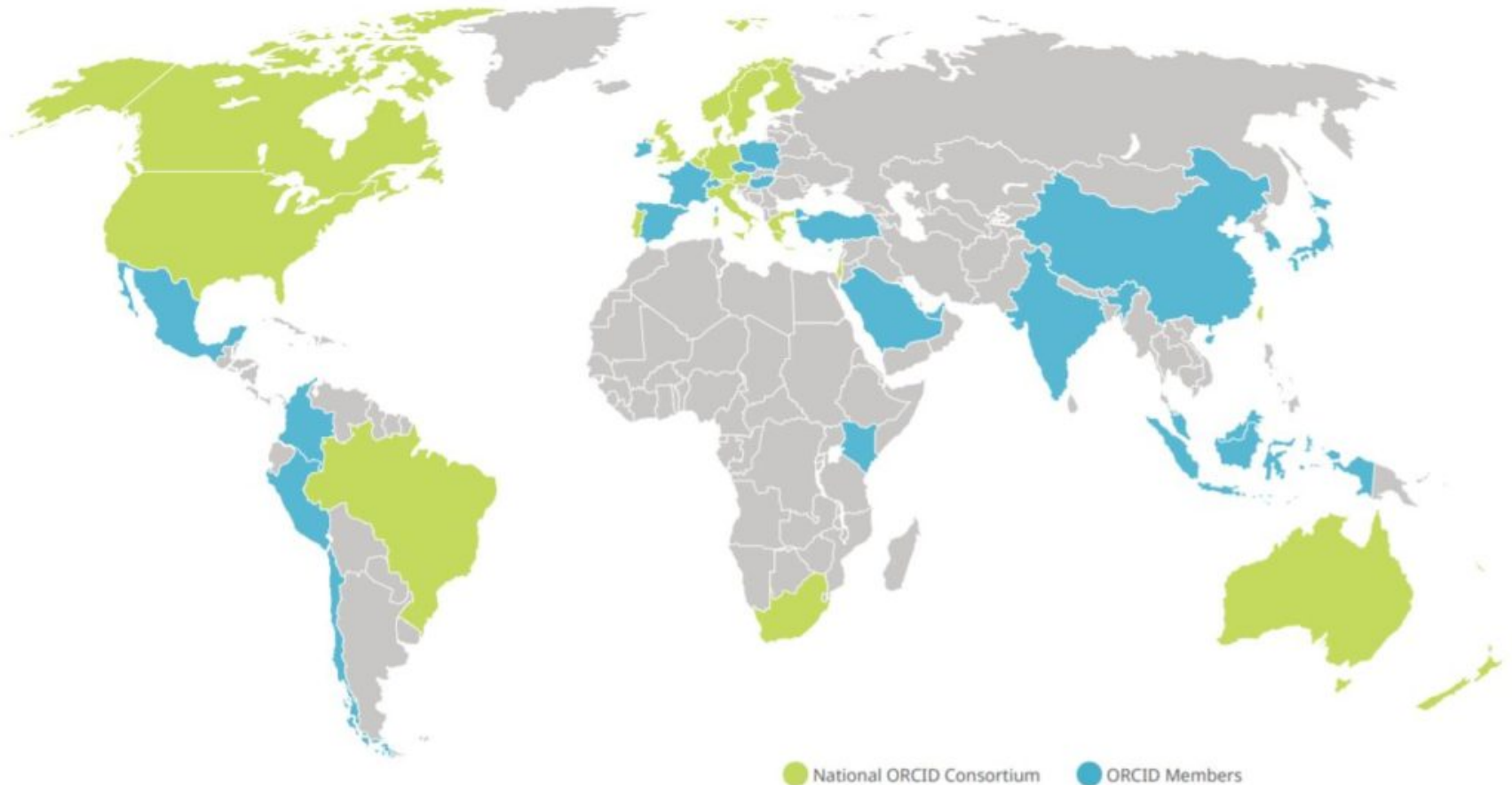


Not just a number



FUNDER & FACILITY
Assert grant, facilities, and equipment award

ORCID around the world



1000+ organizational members in 47 countries

The global ORCID system

- An open, not-for-profit organization that serves the research community.
- A two-way API connecting researchers to their affiliations and activities
- An ecosystem of connections ("*integrations*"):
 - grant application and reporting
 - facilities requests
 - manuscript submission
 - human resources
 - CRIS systems

Integrations by system

- **PeopleSoft**
 - Boston College
- **Current Research Information Systems (CRIS)**
 - PURE [Waterloo]
 - Faculty180 [Queen's; Calgary]
 - Symplectic Elements [McMaster]
- **ScholarOne** [publishing]
 - Canadian Science Publishing

Advantages of integration

- Auto-fill forms by pulling information from ORCID
 - Grant applications
 - Populate CRIS
- No manual entry by researcher = accurate data
- Efficient application & administration workflows
- Push info to profiles ("*assert*")
 - Recognize your reviewers (journals)
 - Show who has submitted datasets to your repository
- **Better research management**


Assert use of research systems



Push metadata to an ORCID profile on usage of specialized equipment / software.

- Provenance is listed
- Trusted research activity

Molly Losh

ORCID ID

 orcid.org/0000-0002-9823-8249

 Print view 

▼ Funding (1)

↓↑ Sort

Neutron Beam Award at High Flux Isotope Reactor (HFIR) and Spallation Neutron Source (SNS)

Oak Ridge National Laboratory (Oak Ridge, TN, United States)

2017-01 to 2017-06 | Award

Award: [2017-A: PTAX, TOPAZ](#)

Alternate URL: neutrons.ornl.gov

Source: Oak Ridge National Laboratory

 Preferred source



Privacy and workflow

The ORCID record lists information that the researcher has **chosen** to connect to their iD. The researcher **owns** the record, and **decides** how (or if) it is shared.

As they interact with **research systems**, researchers **add** their iD using an electronic “handshake”.

Then iD is **embedded** in the local research system, creating a **provenanced connection** between the system and the researcher.



Members of ORCID-CA

Brock University
Carleton University
Concordia University
Dalhousie University
Lakehead University
MacEwan University
Memorial University of
Newfoundland
McGill University
McMaster University
Mount Royal University
National Research Council
Ottawa Hospital Research Institute
Queen's University
Ryerson University
Simon Fraser University
University of Alberta

University of British Columbia
University of Calgary
University of Guelph
University Health Network
Université Laval
University of Manitoba
University of New Brunswick
University of Ottawa
University of Prince Edward Island
University of Saskatchewan
University of Regina
University of Toronto
University of Waterloo
University of Windsor
University of Victoria
Western University
Wilfrid Laurier University
York University

Science is changing

- Little Science : *19th century*
 - Individuals
 - Driver = Philosophy
- Big Science : *20th century*
 - Hierarchies [corporate / military]
 - Driver = \$ + bureaucracy
- Open Science : *21st century*
 - Communities [online / virtual]
 - Driver = Networks + connections

Derek J. de Solla Price
1963

Open Science needs identifiers

Scopus[®]

ORCID

Connecting Research
and Researchers

RESEARCHERID

GRID 

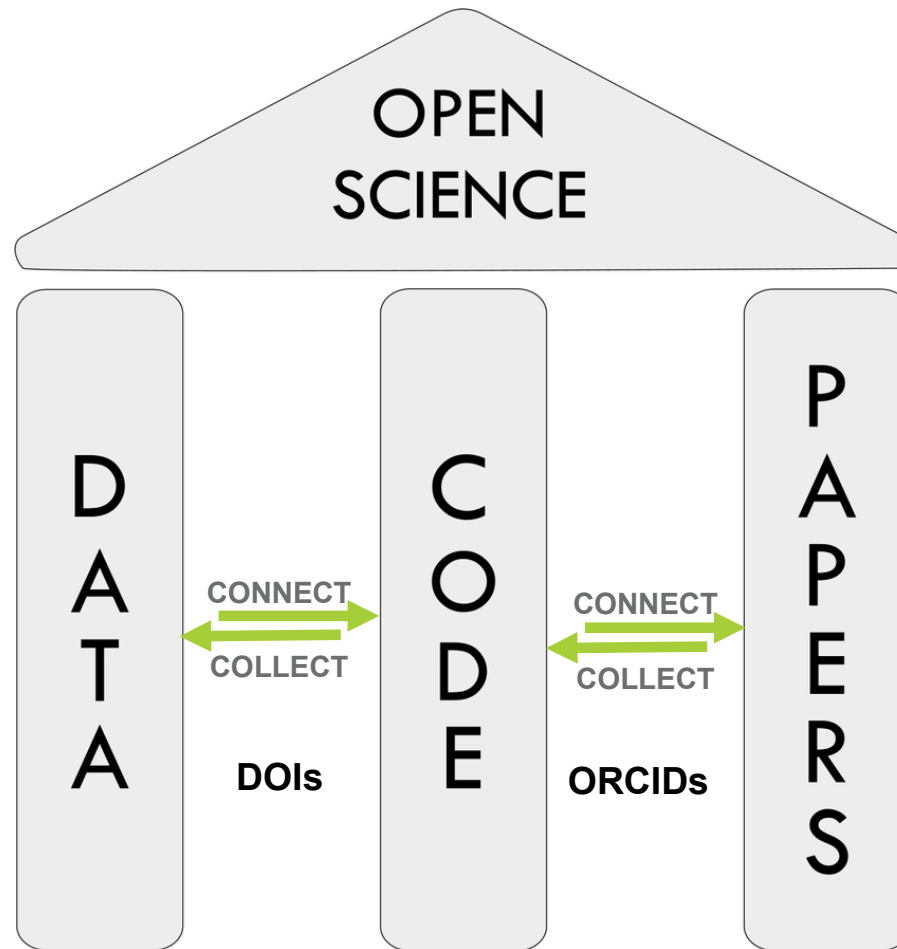



Crossref

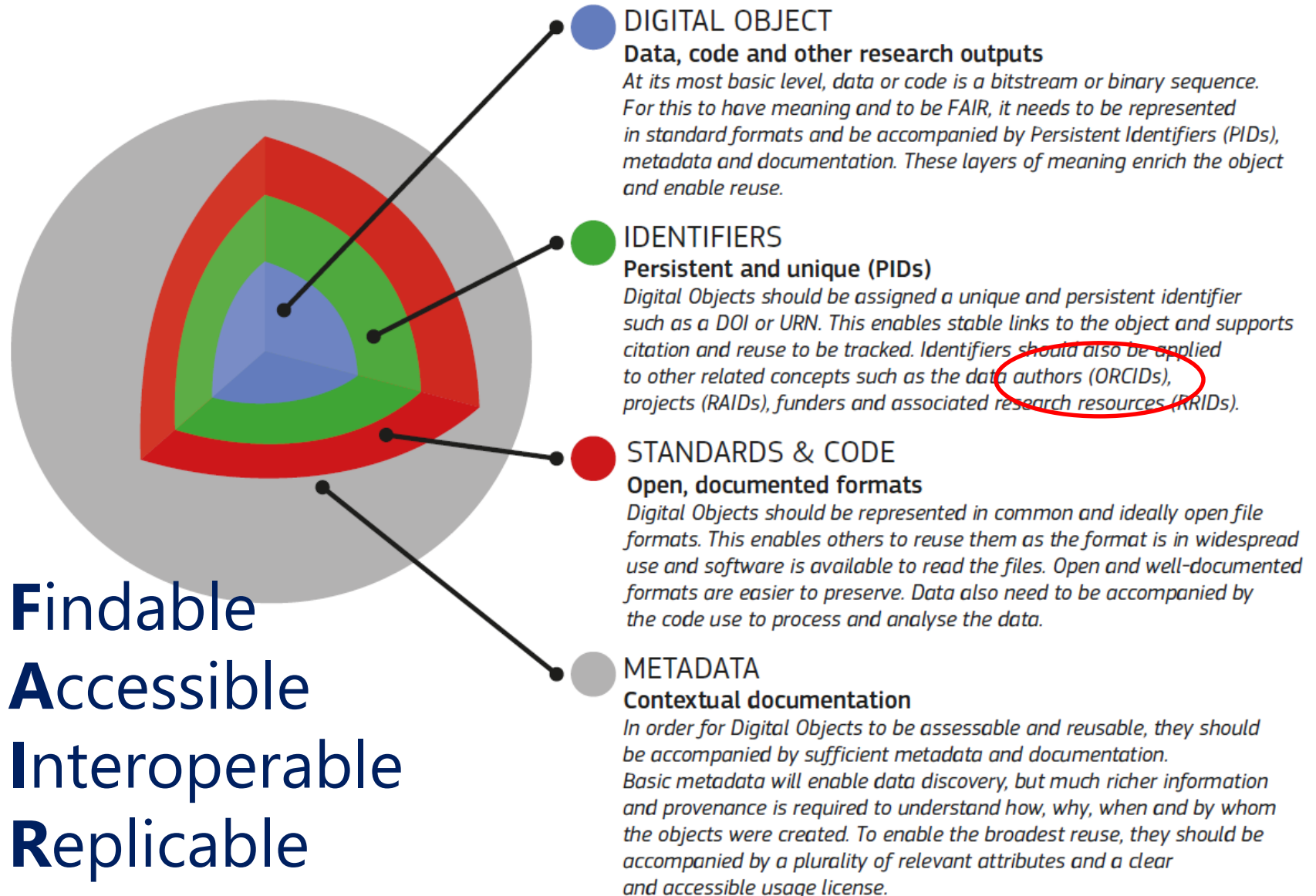


DataCite
International Data Citation

Open Science



FAIR data encapsulation



Take the next step

1. Sign up for an ORCID iD

- It's FREE!
- Use it when publishing [***datasets too!***]

2. Add an ORCID login to your research system

- To prove who is using your system.

3. Reach out

- support.orcid.org – *Community ideas & questions*
- members.orcid.org – *API user group*
- Contact me for examples & connections around the world

Thank you!

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