ORCID

Connecting Research and Researchers

ORCID Identifiers:

What are they for and what should you be doing with them?

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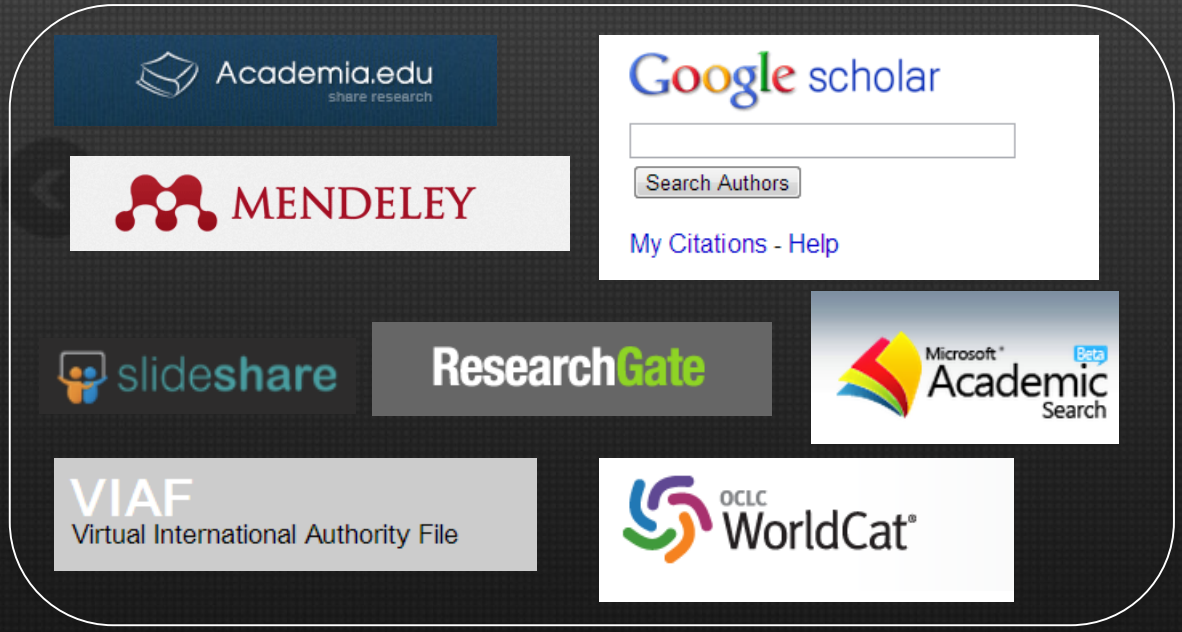
Why ORCID?

One researcher may have many profiles or identifiers



Our vision

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.

ORCID provides

✓ Plumbing for research information

✓ Tools to build trust in digital information

- Persistent digital identifiers to distinguish researchers from each other
- Member-built integrations that connect researchers and their activities/affiliations
- A hub for synchronizing machine-readable connections between identifiers for people, organizations, and research activities

ORCID enables assertions

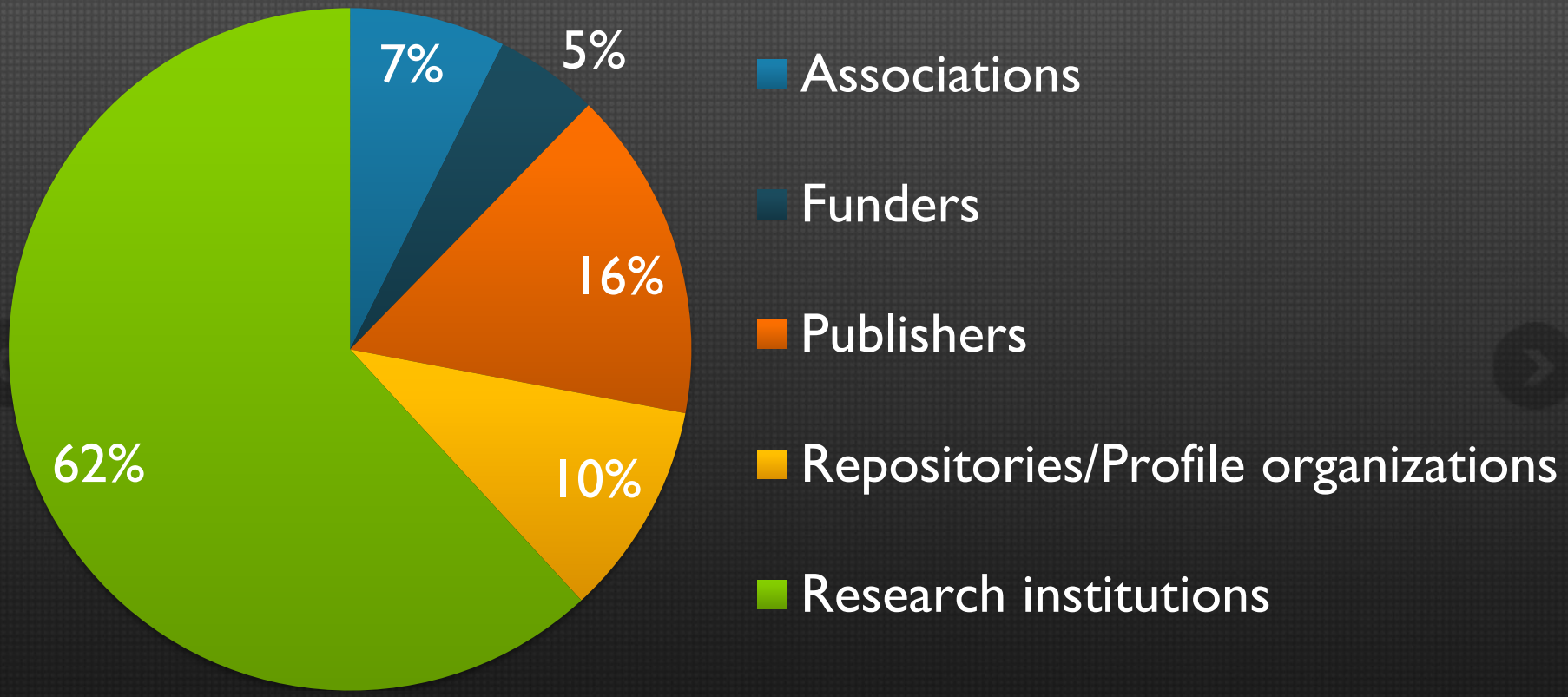
Organizations use ORCID APIs to authenticate, collect, display, and connect persistent identifiers for people, places, and things in research workflows

ORCID is Open

- Non-proprietary and platform-neutral
- International service that integrates with other researcher identifiers
- Registry use is free for individuals
- Independent non-profit membership organization
- Open data, software, APIs, and documentation

Who is using ORCID and How?

Integrations by sector



Publisher Requirements

Other publishers requiring ORCID iDs in 2016: PLOS, eLIFE, Science, Hindawi, IEEE, AGU…

THE ROYAL SOCIETY Publishing blog

From January you'll need an ORCID

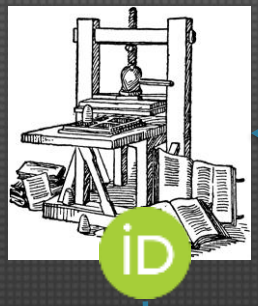
7 December 2015 by Phil Hurst

Mandating the use of Open Researcher and Contributor ID (ORCID) by submitting authors.

ORCID provides a unique identifier for all researchers that can be linked to their different research works and activities across multiple platforms. It also serves to distinguish authors with similar names and simplify searching of publications databases (such as PubMed, Scopus, etc.) to avoid retrieving articles by authors with similar names. Close to 1.8 million researchers have already created their ORCID iD. The service is non-profit and community driven.

From 1 January 2016, we will require the submitting author to provide an ORCID identifier as part of the manuscript submission process. Details of the practicalities will be provided shortly, but don't worry, it takes less than a minute to register for an ORCID iD and it's free of charge. A recent survey carried out by ORCID indicates strong support in the research community for mandates by publishers, funders, and universities.

People and Things



submit manuscript

notifications to member systems

University Library

submit metadata

Faculty Profiles

update author ORCID record

ORCID Record

Funders

http://crosstech.crossref.org/2015/09/orcid-auto-update.html

Auto-update for data

DataCite's auto-update steps

Researchers: (1) use ORCID iD when submitting a dataset, and (2) authorize DataCite via profiles to update your ORCID record.

Data centers: (1) collect ORCID identifiers during the submission (2) embed the iD in the published work and include the iD when submitting to DataCite.

DataCite: Upon receipt of data from a data center with a valid identifier, DataCite will automatically push that information to the researcher's ORCID record.

Auto-update in action

ORCID

Hi Josh Brown,

You have 1 new notification in your ORCID inbox - see summary below. Please visit your ORCID Inbox to take action or see more details.

Crossref: Add your published work(s) to your ORCID record (2016-09-26)

Works (1)

Open Access in Context: Connecting Authors, Publications and Workflows U... http://dx.doi.org/10.3390/publications4040030

more info... Add now

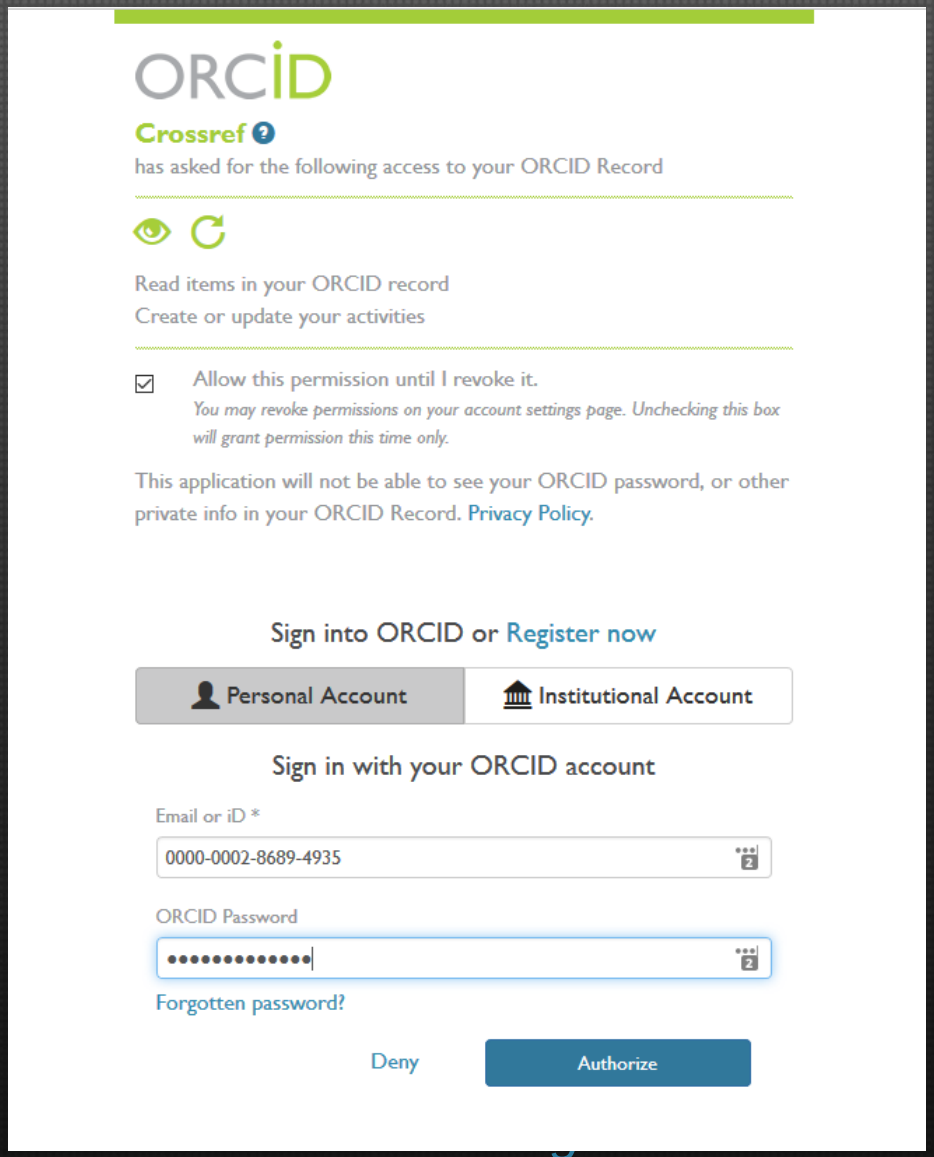
View details in your ORCID inbox

You have received this message because you opted in to receive weekly inbox notifications about your ORCID record. Learn more about how the Inbox works.

You may adjust your email frequency and subscription preferences in your account settings.

email preferences | privacy policy | ORCID, Inc. | 10411 Motor City Drive, Suite 750, Bethesda, MD 20817, USA | ORCID.org

Auto-update in action



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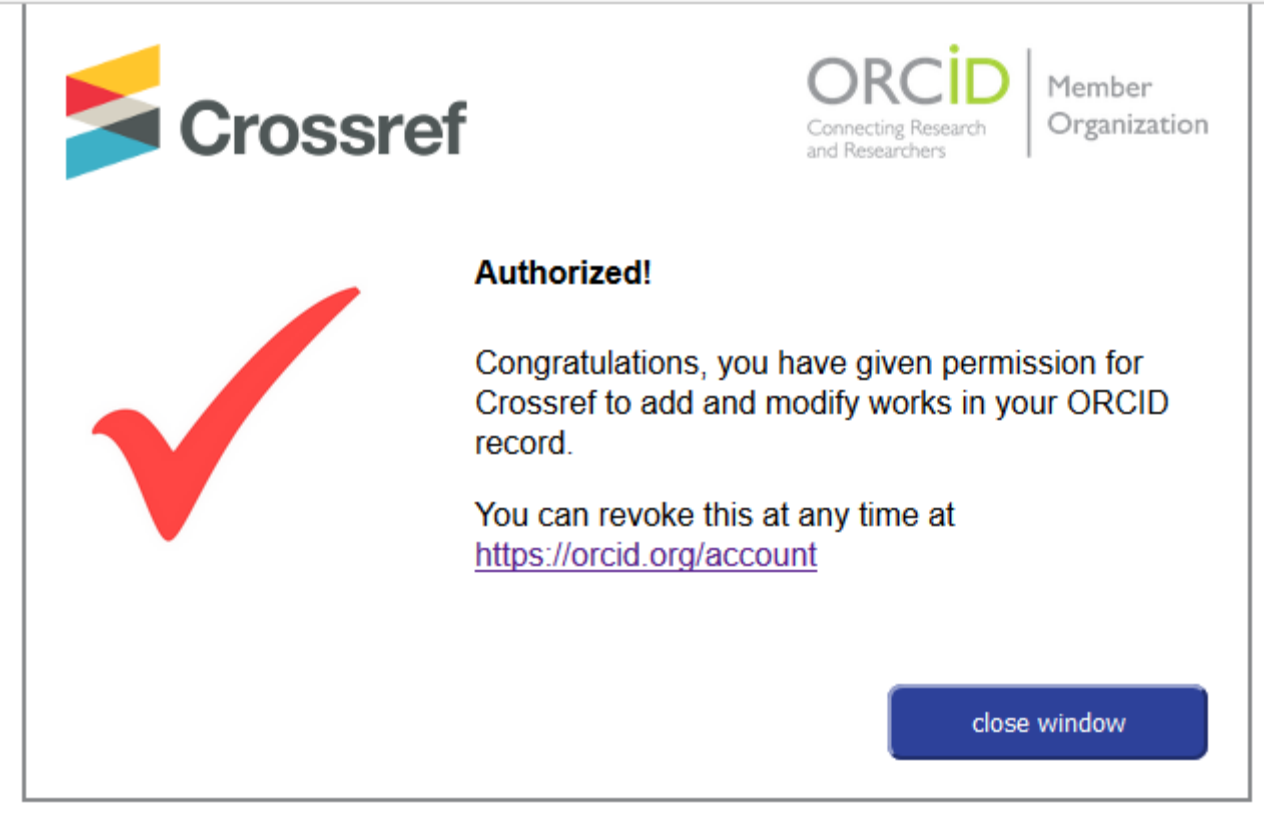

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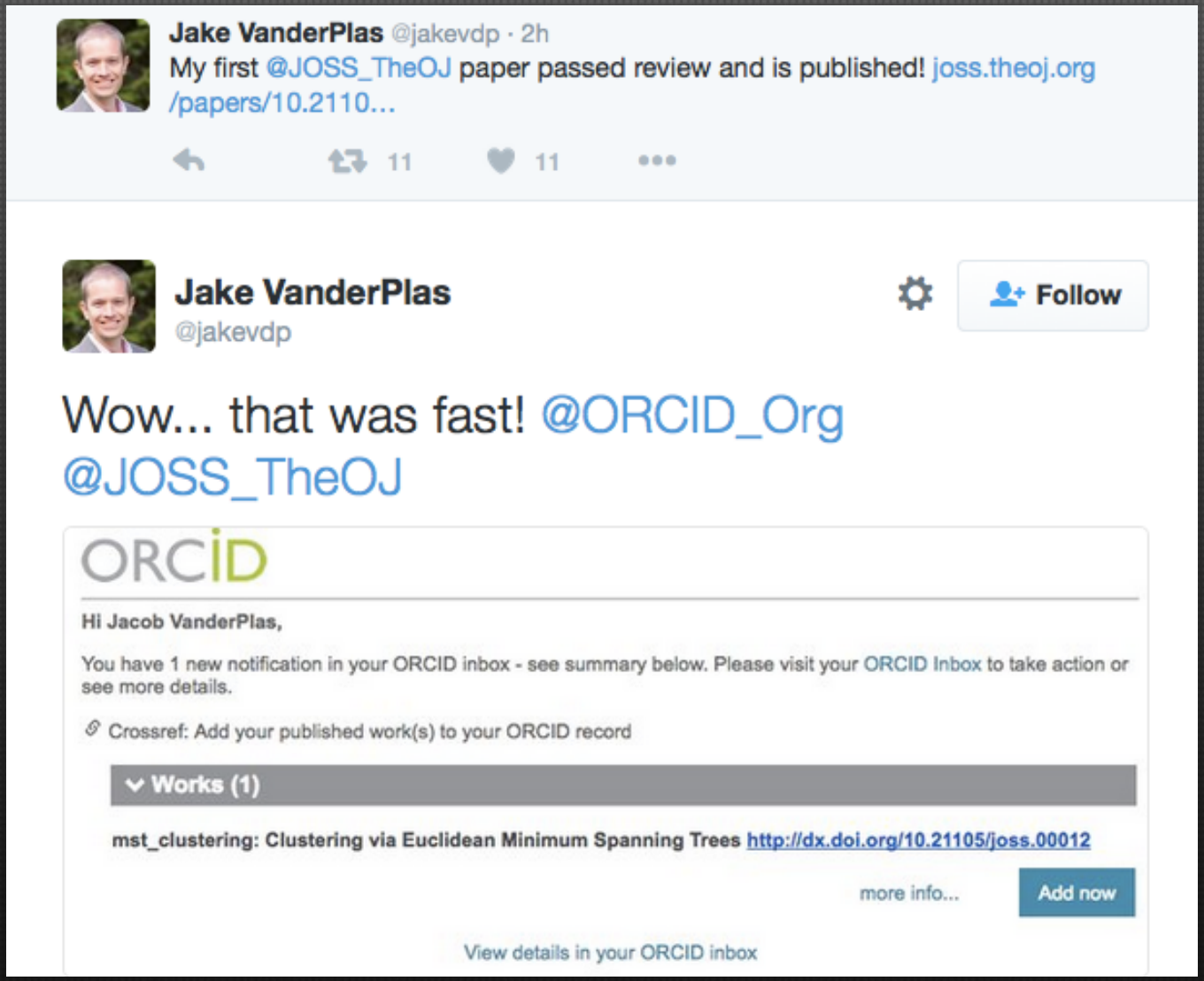
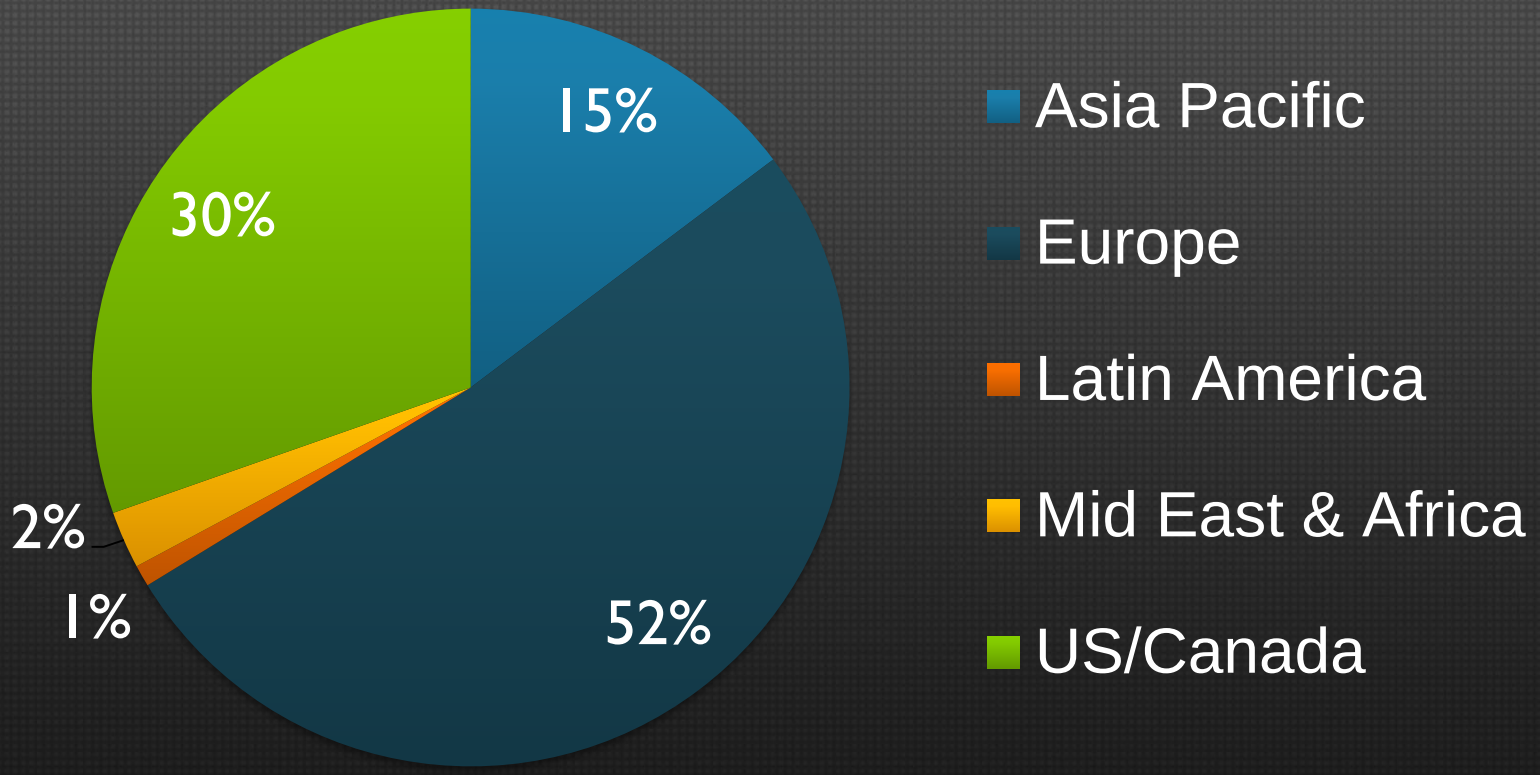
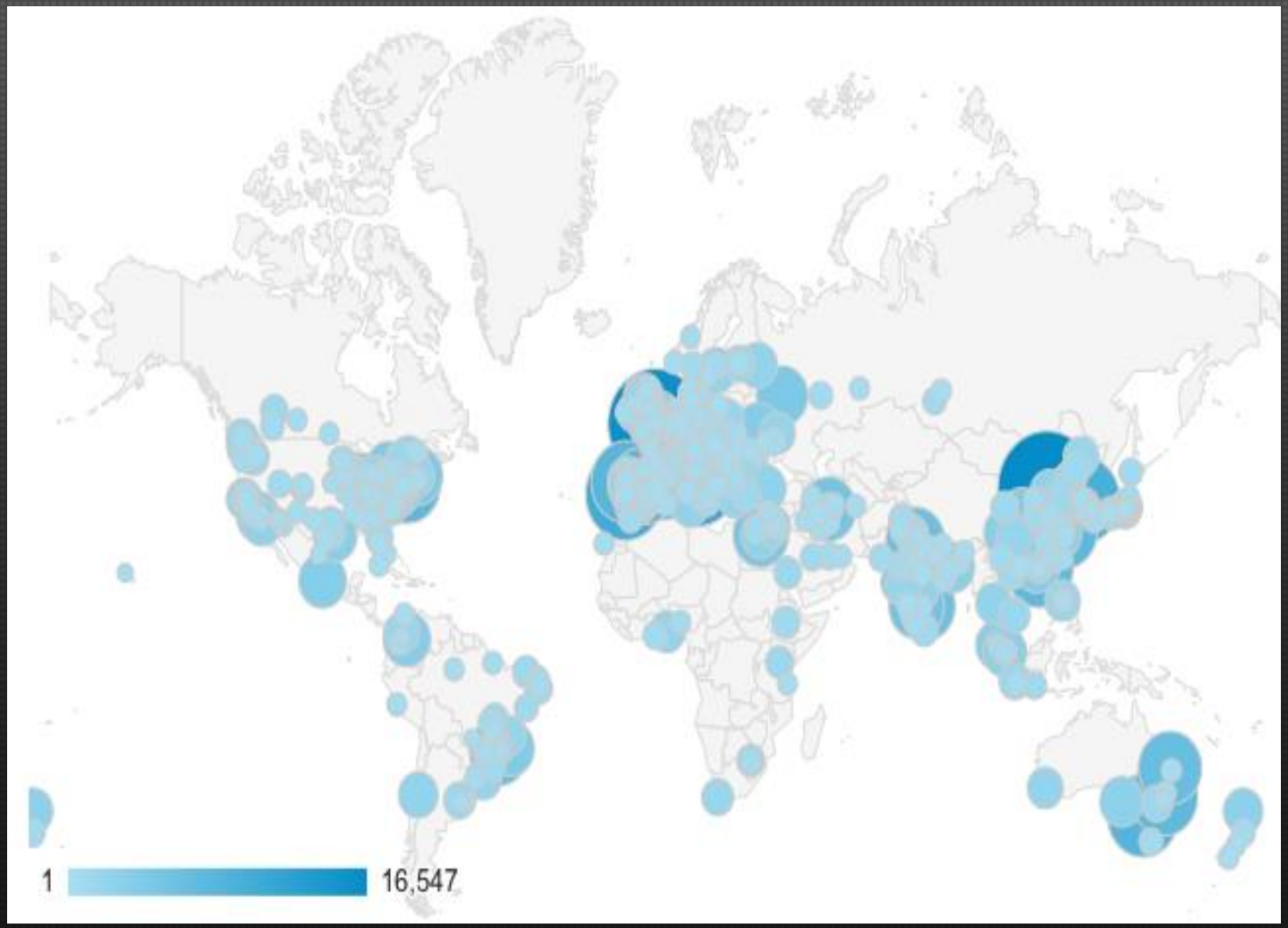


Adoption across the globe

Integrations by region



Registry visits around the globe



ORCID and privacy

Privacy enables us to deliver an international service

- **Researchers own and control their own ORCID records**
- **US-based** servers and data processing
- **Trust-e certified –** audited annually to ensure that our privacy and security are strong

https://orcid.org/footer/privacy-policy

ORCID and privacy

We are monitoring developments in Europe (ECJ ruling on Safe harbour, Privacy Shield, GDPR etc.)

We will work with SUNET, Knowledge Exchange and other European partners to stay ahead of developments.

https://orcid.org/footer/privacy-policy

Case study one: the UK.

Adoption in the UK

Following several years of consensus building, Jisc and ARMA funded 8 projects to test ORCID implementation.

Their report sets out the benefits of large-scale adoption:

http://orcidpilot.jiscinvolve.org

Adoption in the UK

Jisc have established a

national ORCID consortium in the UK.

77 Universities and 7 Research Councils have joined already, and others have expressed an interest in joining soon.

Funder adoption in the UK

NIHR and Wellcome Trust **mandate ORCID iDs** for grant submissions.

The **Research Councils** have implemented ORCID in their grant application and their outputs system.

HEFCE are exploring how encourage the use of ORCID iDs.

Case study two: Italy.

Adoption in Italy

Cineca have created a

national ORCID consortium in Italy.

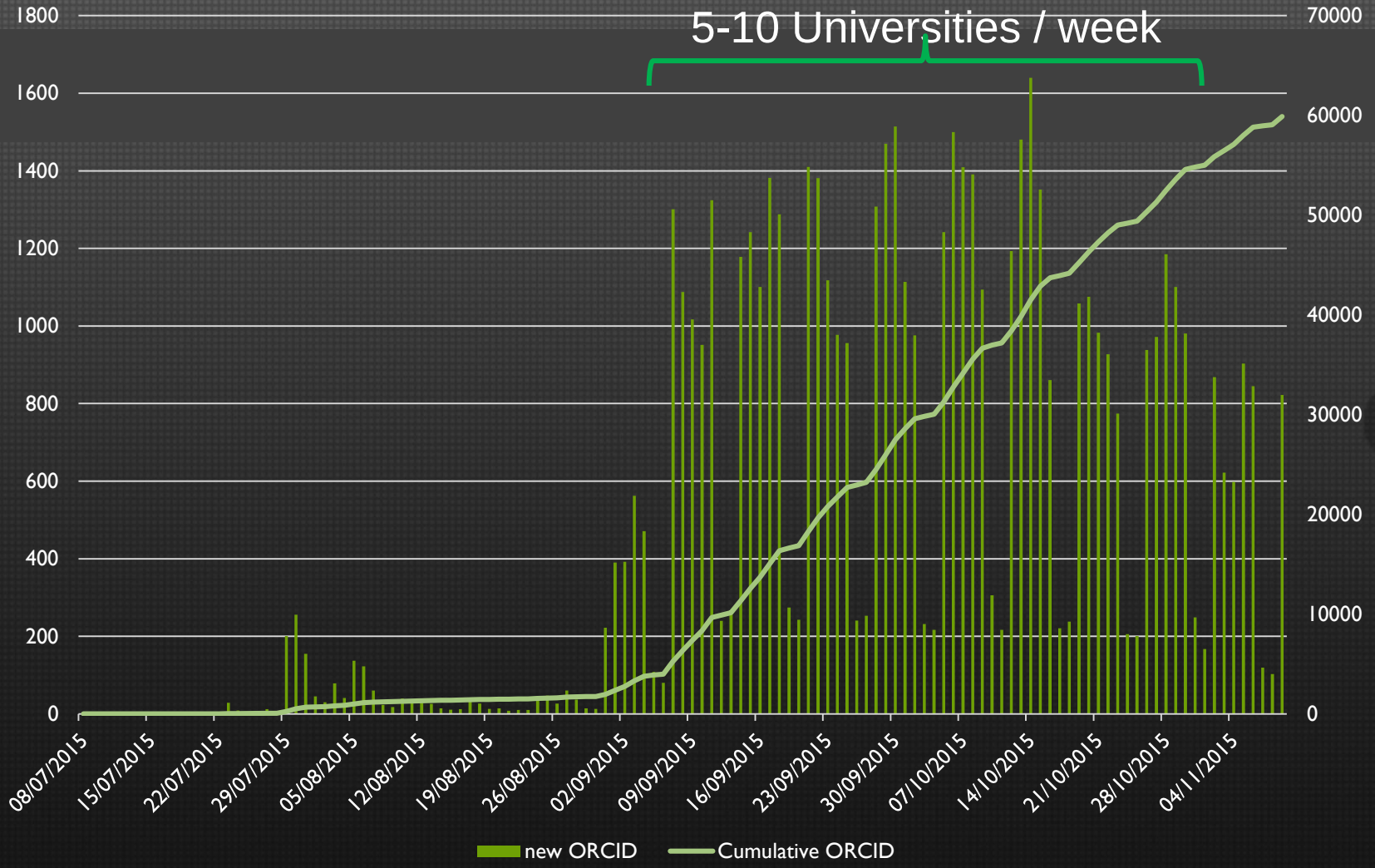
70 Universities and **4 research centres** joined as a result, with more to follow.

Adoption in Italy

ANVUR and CRUI have launched the Italian Researcher Identifier for Evaluation (IRIDE) project:

By the end of 2016 at least **80%** of Italian researchers (including PhD students and post-docs) will possess an ORCID iD linked to their publications back to **2006**

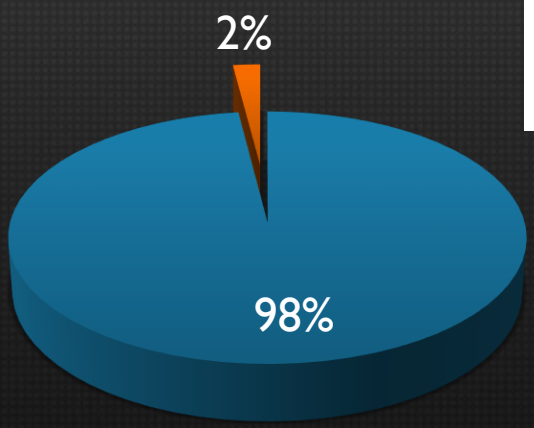
Adoption in Italy



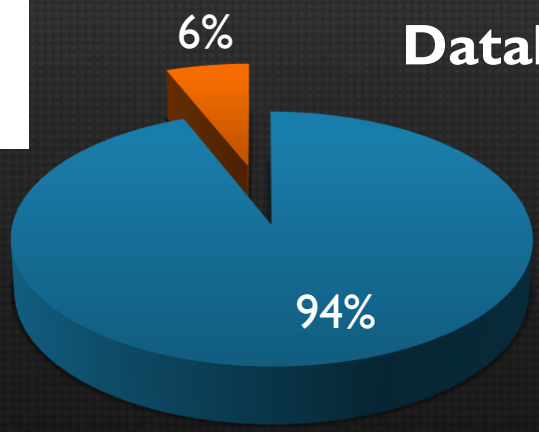
orcid.org

Adoption in Italy

ORCID HUB



National Database



Case study three: Germany.

Germany

- National pilot funded by the Ministry for Research (DFG) – ORCID DE
- Integrating in national information systems (Authority Files, Repositories etc.)
- 12 participating Universities
- Consortium agreement starting in October

Other news…

National consortia launched or about to launch in:

- Belgium
- Finland
- Netherlands
- New Zealand
- Norway
- Sweden
- Taiwan

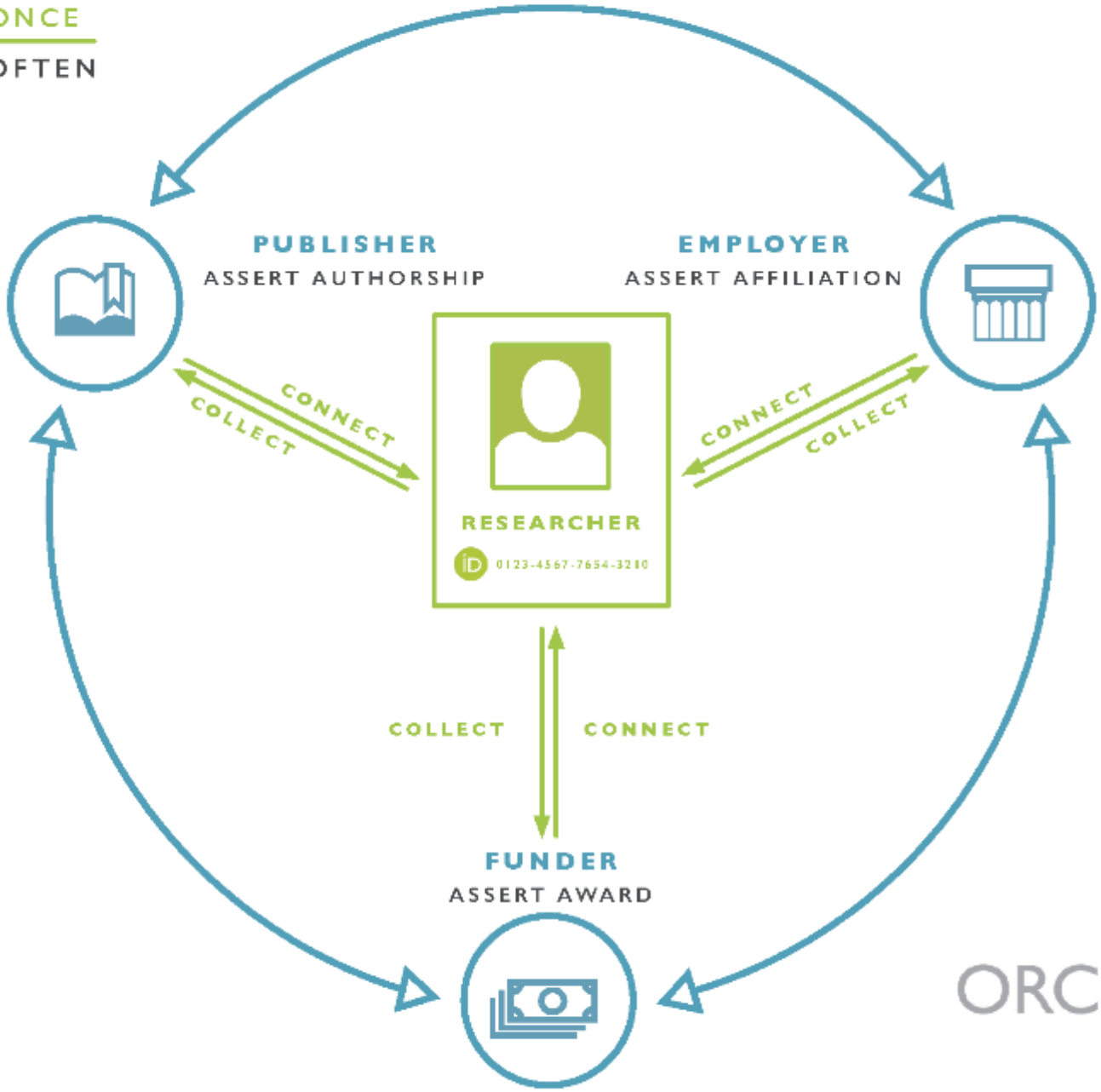
In addition to the existing consortia in Australia, Denmark, Italy, United Kingdom, United States (3)

New developments

INTEROPERABILITY

ENTER ONCE

REUSE OFTEN



ORCID

Connecting Rese
and Researchers

Collect & Connect goals

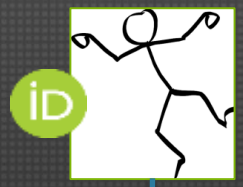
- Clarify how plumbing works
- Standardize experience
- Standard connection installation guidelines
- Increase predictability and trust in the “utility”
- Community approach to reliable connections

Peer Review

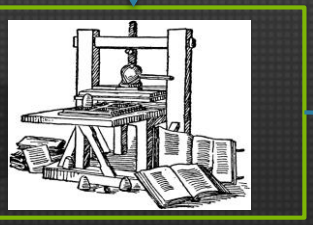
Where are we?

- Journals starting to collect ORCID iDs from reviewers; funders planning workflows
- ORCID has launched UI and APIs
- F1000, AGU, Publons and others have implemented iD connectors

Peer Review Workflow



submit review



Publisher

- Verify review via editorial management system
- Post review citation to ORCID

ORCID Record

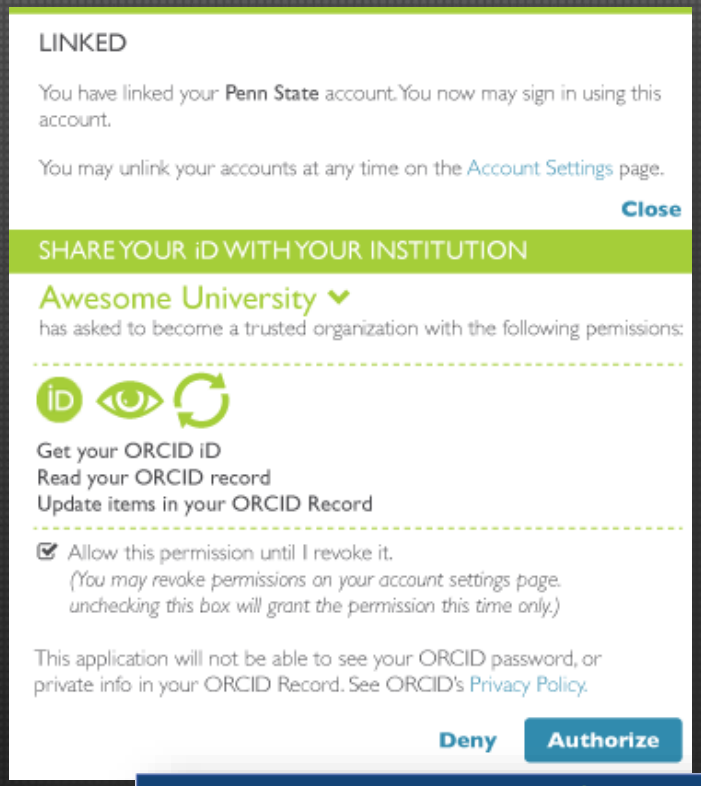
notifications to external repositories

Forthcoming developments

- A major update to the ORCID API, introducing per-item updates
- Organisation Identifiers
  - Crossref, DataCite and ORCID collaborating
  - We've analysed the landscape and found no solution to our needs
  - We're starting a working group to develop a community-led solution

Affiliation 'round trip'

- A user signs in to ORCID using their organization credentials
- If their home institution is an ORCID member, sign-in can trigger an alert for the member to request permissions to read/write to that user's ORCID record
- Granted permission, the member can then assert affiliation into the user's ORCID account.
- Target release: Fall 2016



How can we use and manage iDs?

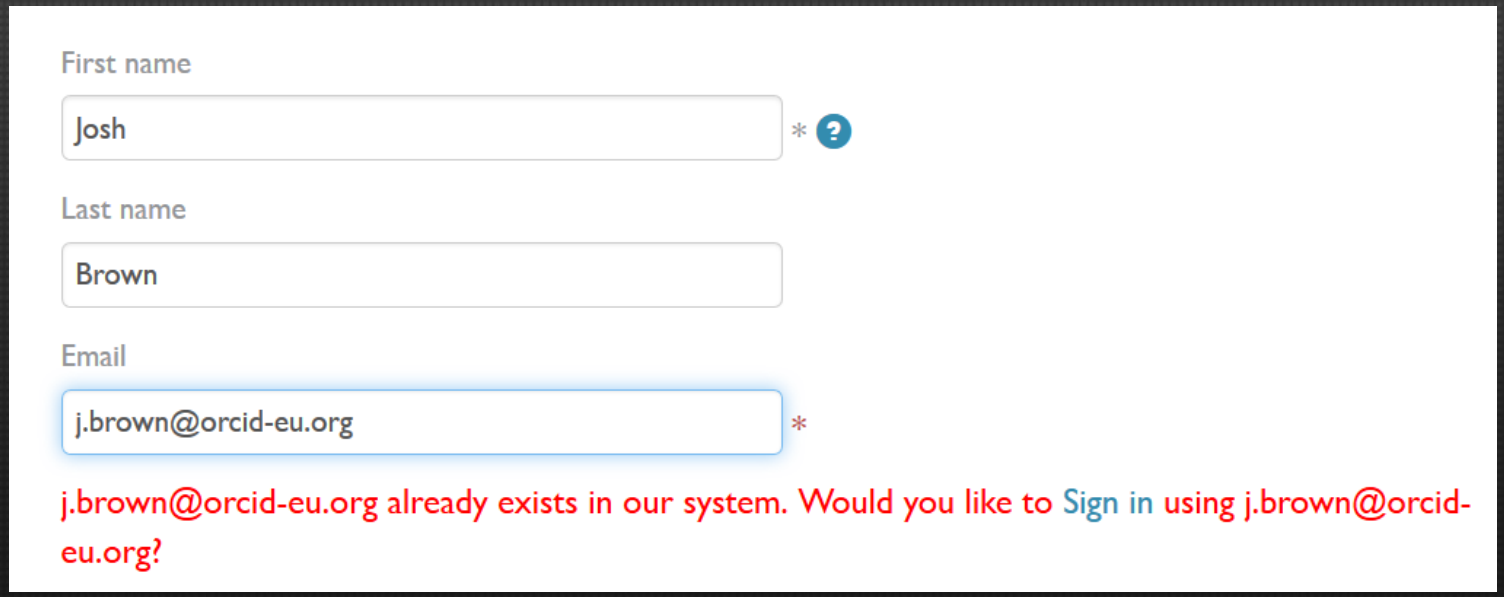
Integration Process

Technically, integrating ORCID involves adding <person ID> and <source> fields to data models, mapping to ORCID API, and implementing OAuth and RESTful calls.

Socially, it is critical that researchers are engaged in the process.

Dealing with duplicates

Step one: avoid the creation of duplicates

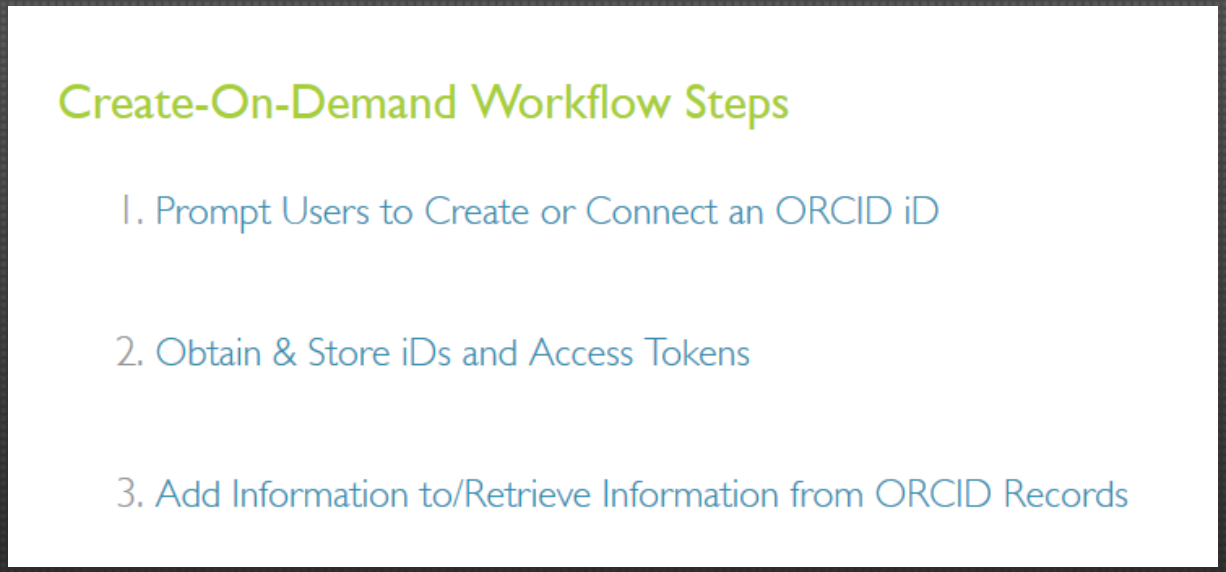


Step two: link any duplicate records

One iD becomes primary, the other(s) point to that iD. This preserves any connections that have been made to the original

http://orcid.org/blog/2014/01/09/managing-duplicate-iDs

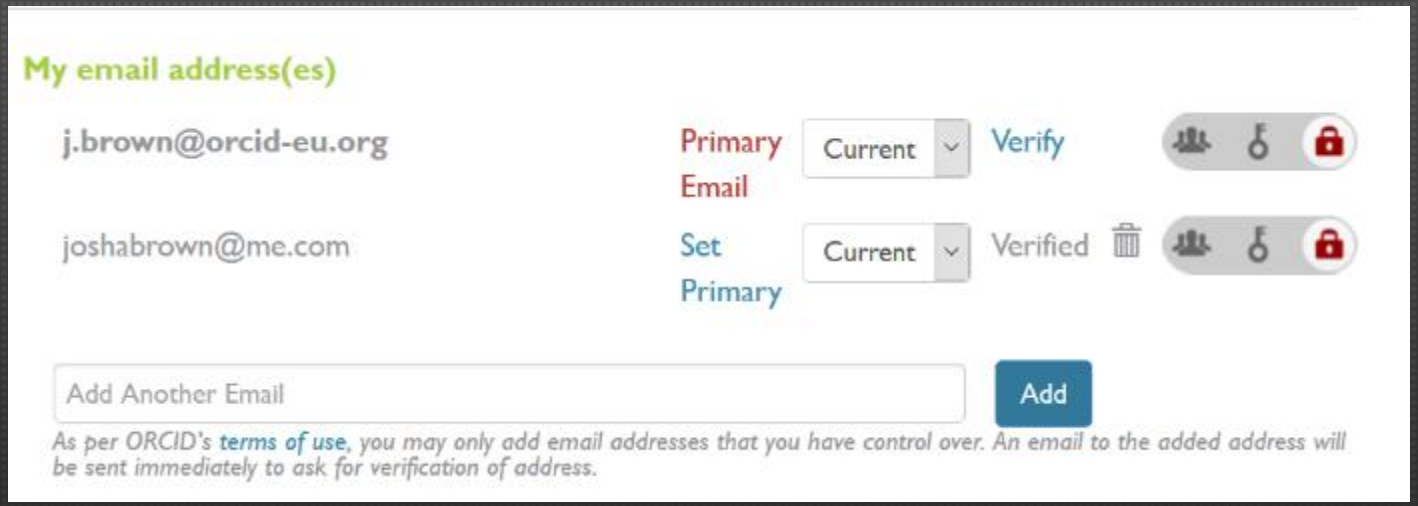
Create and connect



We provide code examples, templates and how-to guides to facilitate the creation of iDs and to connect them to your systems

http://members.orcid.org/create-records

Emails and affiliations



You can **add multiple email addresses** to an account, and flag ones that are no longer in use.

ORCID *members help to shape the organisation.*

In 2016 we are holding elections to the ORCID Board of Directors - Members have **nominated directors** for election to the board, where they will help to direct our priorities and **the future of ORCID.**

Thank you.

Any questions?

Feel free to get in touch:

J.Brown@orcid-eu.org