

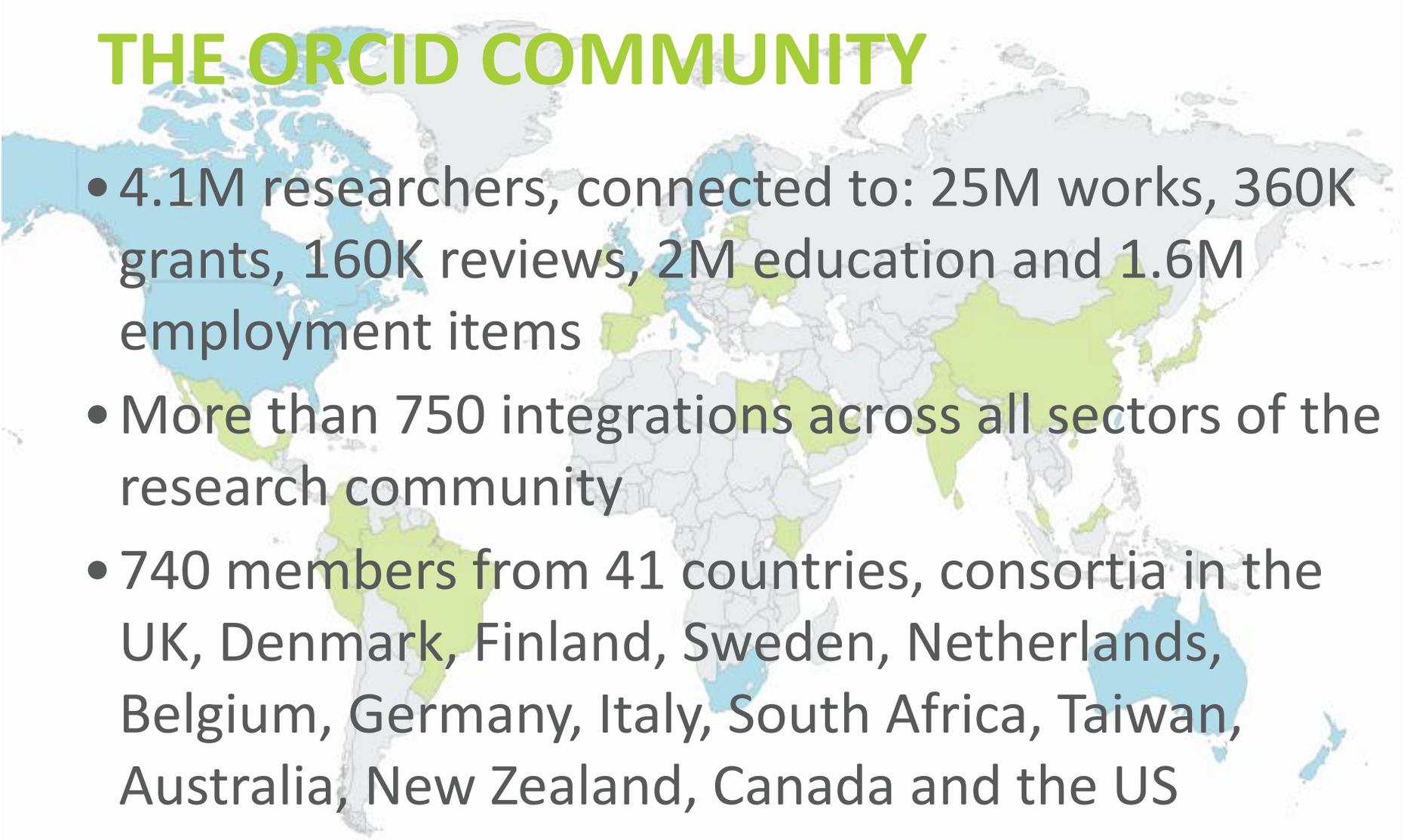


ORCID UPDATE: PROJECTS OLD AND NEW

EUROCRIS STRATEGIC MEMBERSHIP MEETING | 22 NOVEMBER 2017

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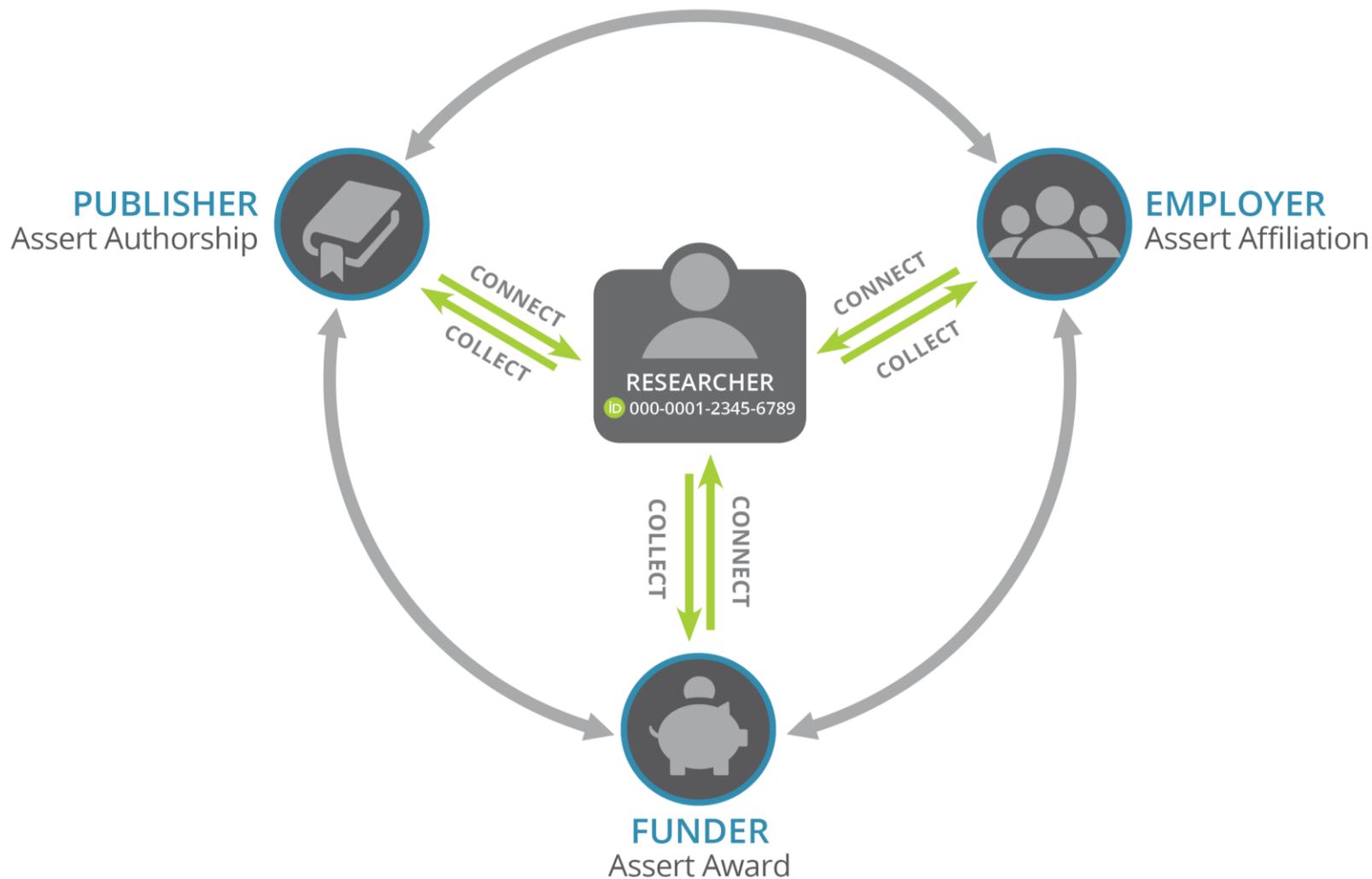
THE ORCID COMMUNITY

A world map with several regions highlighted in blue and green. The blue highlights include North America, Australia, and parts of Europe and Asia. The green highlights include South America, parts of Europe, Africa, and Asia.

- 4.1M researchers, connected to: 25M works, 360K grants, 160K reviews, 2M education and 1.6M employment items
- More than 750 integrations across all sectors of the research community
- 740 members from 41 countries, consortia in the UK, Denmark, Finland, Sweden, Netherlands, Belgium, Germany, Italy, South Africa, Taiwan, Australia, New Zealand, Canada and the US

INTEROPERABILITY

ENTER ONCE
REUSE OFTEN



THOR project





Technical and Human
infrastructure
for Open Research

Our goal is to ensure that every researcher, at any phase of their career, or at any institution, will have seamless access to Persistent Identifiers (PIDs) for their research artefacts and their work will be uniquely attributed to them



THOR PARTNERS



EMBL-EBI





What did THOR do?

Auto-update for data



EXAMPLE: SEAMLESS INTEGRATION



Researchers: (1) use ORCID iD when submitting dataset (2) authorize DataCite to update your ORCID record.

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

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



Federated Identity Management



Federated Identity Management

FIM is concerned with communicating information about verified user identities from one system to another - Whenever you see "*log in with your institutional account*", that's FIM in action.

FIM and PID infrastructures share concepts, including identifying people and places.

Background

FIM workflows overlap with PID workflows and many systems utilise both technologies in order to achieve a single goal.

For example, a manuscript submission systems might require a FIM identity to access the platform and an ORCID identifier as a persistent person identifier for article metadata.

Working together

THOR has worked with AARC, GEANT, REFEDS, eduGAIN, FIM4R, ELIXIR and SURF. ORCID joined SURFConext and eduGAIN.

Researchers can now sign into ORCID with their institutional account.

ORCID is now one of the largest federated service providers in the world.

Organisation Identifiers



Background

“The use of persistent identifiers for organizations lags behind the use of identifiers for research outputs and people, and **more work is needed**”

Martin Fenner

Framing the problem

Solutions exist, but none directly address the uses cases of scholarly research.

In 2016 ORCID, Datacite and Crossref framed the problem, described use cases and outlined the required characteristics of ORG IDs in a public discussion document.

... This led to *a lot* of discussion.

Kick starting the community

We presented our findings to the community in 2016, and at PIDapalooza we launched a new working group to take forward the work begun by the THOR project with wider community involvement.

The group released requirements documents for comment in September 2017.

Where are we now?

Comments close on December 1, the group will take the input and refine their recommendations for release in 2018.

Existing ORG ID providers are already improving their services to better align them with community requirements described by the discussion documents and working group.

More IDs...



Activity identifiers

ORCID currently supports 40 work identifier types, and the list is growing.

Thanks to work done by project THOR, the range of types is easily expanded. Members can now request that new identifier types are added to the registry

The identifier list is available via our API and as a human readable web page at

<https://pub.orcid.org/v2.0/identifiers>

Activity identifiers

We've added 6 new identifier types since June

- Protein data bank (PDB)
- KoreaMed (KUID)
- Research Resource Identifiers (RRID)
- Lens Patents (LENSID)
- Cineca (CIENCIAIUL)
- Authenticus (AUTHENTICUSID)

Both CIENCIAIUL and AUTHENTICUSID were requested to facilitate CRIS system operations.

What next?



What next?

THOR ends officially on November 30, and the Freya project launches on December 1.

Freya will continue to tackle the challenges we identified, but taking the lessons from THOR and applying them.

What next?

The project builds on three core concepts:

PID graph,
PID commons,
PID forum.

What else is next?



ORCID

Reducing

Burden and

Improving

Transparency

WHY ORBIT?

“How well information flows ... has direct implications on how well research activity can be supported, and fundamentally how efficiently we can move research forward.”

[Simon Porter](#) ([2016](#)) *Digital Science*

WHY ORBIT?

ORBIT was developed as a result of discussions with the US National Institutes of Health.

NIH wanted to populate their SciENcv platform with data from the ORCID record.

They drew up a list of all the information they wanted to see in the ORCID record.



WHY ORBIT?

By pulling information from a researcher's ORCID record, NIH wanted to save researchers time and effort, improve data quality and make information easier to re-use.

They wanted to lead by example.

However, we all recognised that one funder in one country could not do this alone.



WHO IS IN ORBIT?

So far, we are talking to 30 funders, including:

Australian Research Council, CAPES (Brazil), Howard Hughes Medical Institute, Kenneth Rainin Foundation, Ministry of Business, Innovation and Employment (New Zealand), NIH, Research Councils UK, Swiss National Science Fund and the Wellcome Trust

We are now prioritising adding more funders from Africa, Asia Pacific and Latin America.



WHAT WILL ORBIT DO?



ORBIT: AN OVERVIEW

The project has many parts. To manage these we have broken out plan down into four linked areas of activity.

- A wider Funder Working Group
- Data source analysis
- Building connections
- Improving Persistent Identifier coverage

ORBIT: AN OVERVIEW

The initial focus is on:

- Automatically populating funding applications with CV and career information
- Sharing grant funding information via the ORCID registry
- Extending the availability of research information, and making it easier to re-use

Funders wield the power to improve the value and openness of research information.

Unique researcher identifiers have the potential to bring efficiency and transparency to the creation and re-use of that information.



THANK YOU.

