



## **30<sup>TH</sup> REFEDS MEETING**

Working Group proposal: ORCID & Organization IDs in FIM  
4 October 2015

**Laura Paglione**

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# Technical and Human infrastructure for Open Research

Establish seamless integration between articles, data, and researchers across the research lifecycle

Make persistent identifier (PID) use for people and research artifacts *the default*

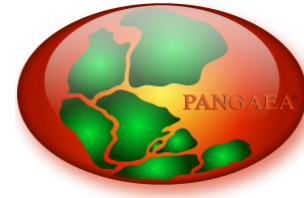
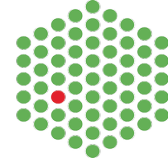
Must include technical **and** a human component

<http://project-thor.eu>



ORCID

EMBL-EBI



# THOR basics

- 2.5 years
- Horizon 2020 – European Commission
- THOR enhances and connects established tools
- Building integrations in four early adopter communities
  - Biomedical (EMBL-EBI)
  - Earth sciences (Pangaea)
  - High energy physics (CERN)
  - Humanities and social sciences (BL plus)
- Shaped by the needs of the global research community – our goal is seamless interoperability

# why ORCID?

the ability to uniquely identify contributors is a deceptively simple concept which, if realised, could enable forms of real-time understanding of scientific research that up to now have been extremely costly (if not impossible).

--Jonathan Kram, Wellcome Trust

# ORCID provides

- ✓ plumbing for research information
- ✓ tools to build trust in digital information



persistent digital identifier distinguishing researchers from each other



member-built integrations for automated linkages between researchers and activities/affiliations

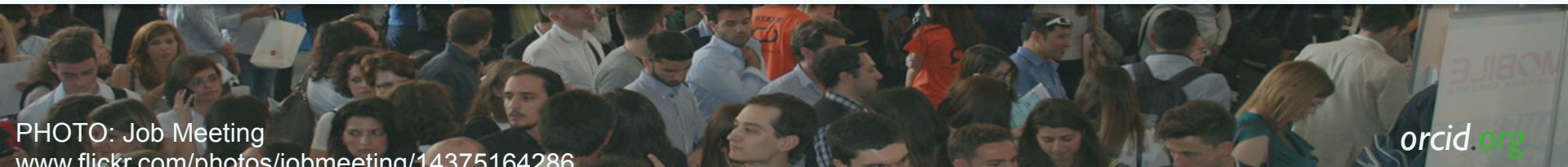


hub for machine-readable connections between identifiers for organizations, funding, outputs, and people

# ORCID iDs and researchers

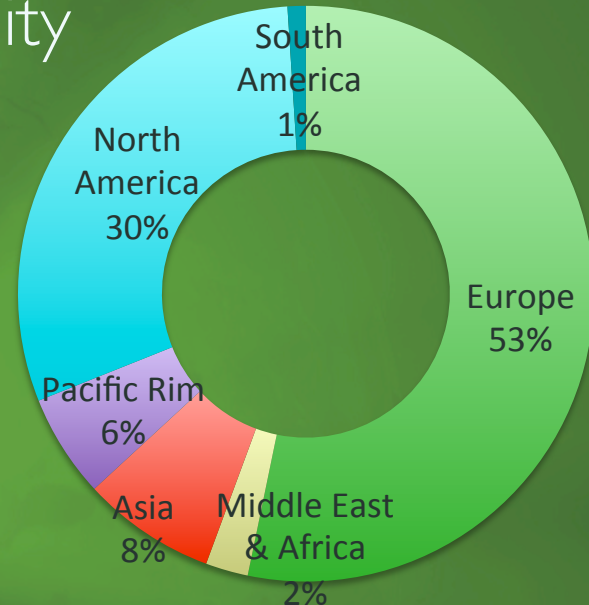
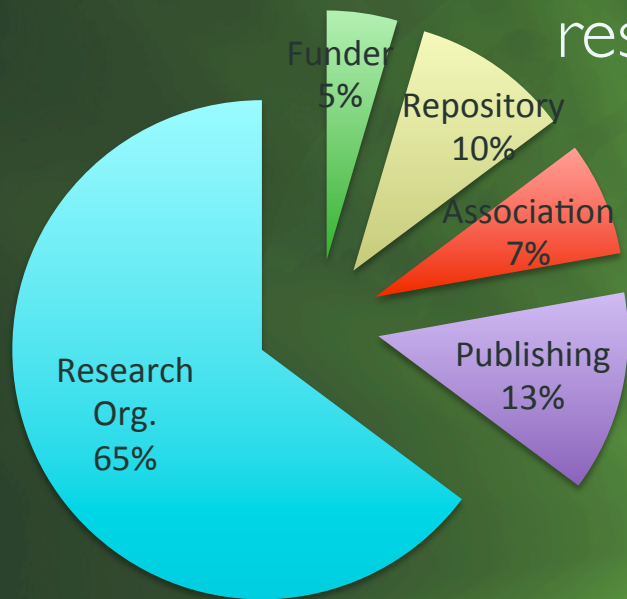
## ORCID iDs

- used by individuals their entire career
- requested by a growing number of funders
- have been adopted by every major academic publisher
- help in outcome tracking
  - current work & involvement
  - as students – where they go & what they do



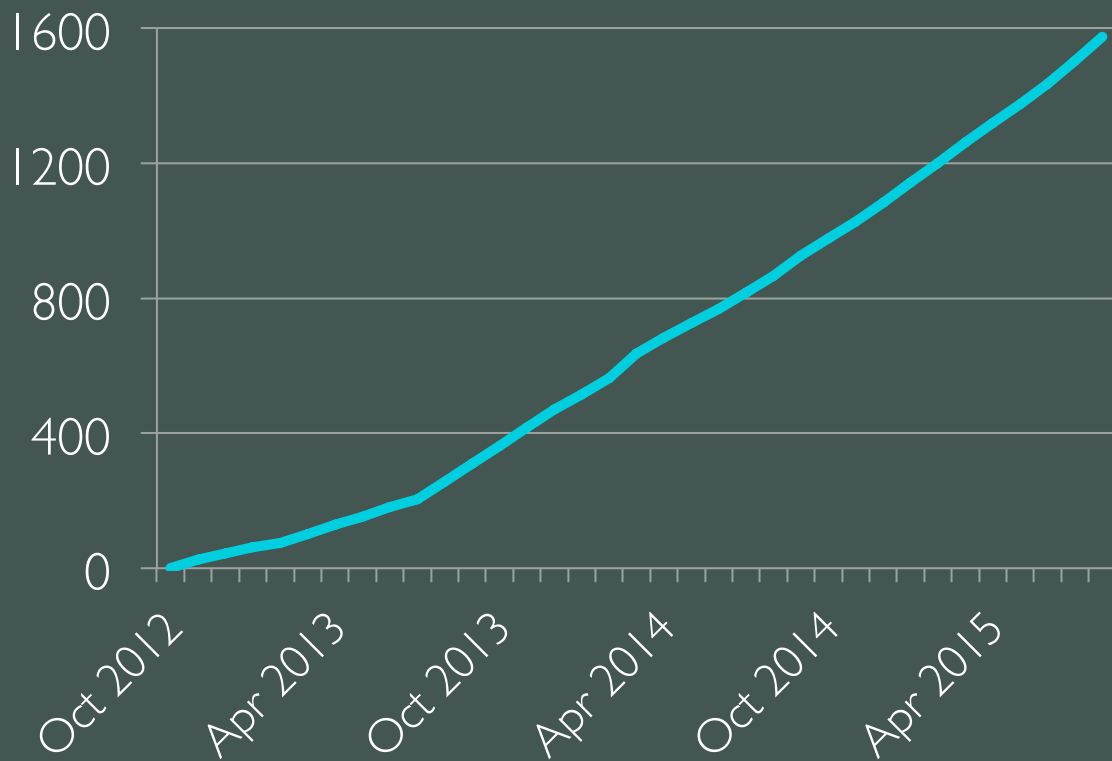
# integration in research systems

over 300 members, 3 national consortia, and nearing 200 integrations in every region and sector of the international research community





# dramatic growth



ORCID identifiers are associated with

- over 4 million unique DOIs
- over 25 thousand unique affiliations

# ORCID iDs and FIM

- Institution SSO for ORCID iD use/connections  
Launching in the next several weeks
- Incorporation of ORCID iDs into Federated Identity schemas
  - Provisioned attribute for person ID in eduPerson schema (MACE-Dir WG) (<http://bit.ly/1WhPX5C>)
  - SAML <-> ORCID linking service (SURFnet) – Exposes ORCID iD attribute via the SAML query protocol (<http://bit.ly/1WhPX5C>)
- Attribute exchange between institutions & ORCID
- ORCID white paper: <http://bit.ly/1WhPX5C>

# REFEDS working group:

## Potential areas of exploration

- The ORCID iD
  - When used in FIM, what is the relationship to other identifiers (such as ePPN)?
  - How does the ORCID iD get provisioned?
  - How strongly can the iD be coupled to the user? How?
- ORCID iD for account linking
  - Review of connection integrity / LOA analysis
  - Purpose of linking – How, when & why?
- ORCID iD Adoption – privacy review/statement (safe harbor), procurement
- Organization IDs
  - What is the role of organization IDs in FIM?
  - What considerations are required?
  - How should they be governed?



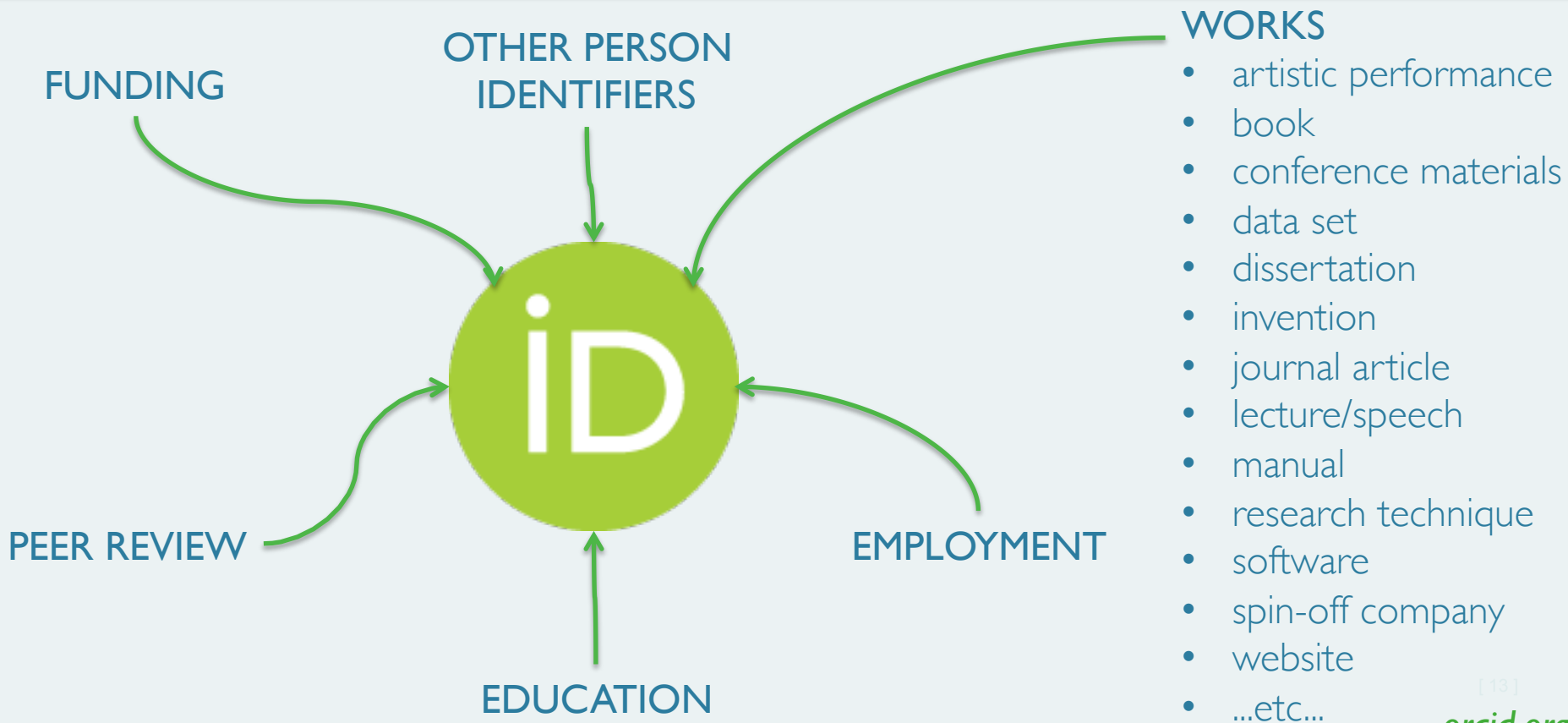
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# person-centric view; connected by IDs



# integrations

## Funders

- **COLLECT iDs** at grant submission and review
- **PUBLISH** iD with award
- **POST** info to researcher record
- **RECEIVE** updates

## Universities

- **COLLECT iDs** for new staff and students, at thesis submission, in faculty profile systems
- **POST** affiliation info
- **RECEIVE** updates

## Publishers and Repositories

- **COLLECT iDs** for authors, contributors, and reviewers
- **PUBLISH** iD with work
- **POST** paper, dataset, review
- **RECEIVE** updates

## Associations

- **COLLECT iDs** for members, authors, and meeting participants
- **POST** affiliation and presentation
- **RECEIVE** updates

# the ORCID record

<https://orcid.org/my-orcid>

**Sofia Maria  
Hernandez  
Garcia**

## ORCID ID

 [orcid.org/0000-0001-5727-2427](https://orcid.org/0000-0001-5727-2427)

[View Public Profile](#)

 Obtenga un código QR para su ID 

También conocido como:  
S. M. Garcia,  
Sofia Maria Garcia

País:

Palabras clave:  
Testing and Support

Sitios web:  
[Faculty webpage](#)  
[Linked In](#)

Otras ID:  
Scopus Author ID 56030991900 

## Biografía

Sofia Maria Hernandez Garcia is used for testing and demonstrating how ORCID records work.

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## ▼ Educación (1)

[+ Agregar educación](#)

[|| Clasificar](#)

 **Universidad Politécnica de Madrid: Madrid, Madrid, ES**   

2008-09 hasta 2012-05 | BA (Computer Science)

FUENTE: Sofia Maria Hernandez Garcia CREADO: 2015-01-20  

## ▼ Empleo (1)

[+ Agregar empleo](#)

[|| Clasificar](#)

 **ORCID: Bethesda, MD, US**   

2012-10 hasta la fecha | (Support & Testing)

FUENTE: Sofia Maria Hernandez Garcia CREADO: 2015-01-20  

## ▼ Financiamiento (1)

[+ Agregar una imagen del financiamiento](#)

[|| Clasificar](#)

 **Grant for ORCID**   