30TH REFEDS MEETING
Working Group proposal: ORCID & Organization IDs in FIM
4 October 2015

Laura Paglione
Technical Director, ORCID • http://orcid.org/0000-0003-3188-6273
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
• 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
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

PHOTO: Pipes! Pipes! © GlynLowe.com
https://flic.kr/p/cFnciG

orcid.org
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

PHOTO: globe © Lassi Kinnunen
https://flic.kr/p/8gJW8d
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

orcid.org
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 it 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?
30TH REFEDS MEETING
Working Group proposal: ORCID & Organization IDs in FIM

Laura Paglione
Technical Director, ORCID • http://orcid.org/0000-0003-3188-6273
person-centric view; connected by IDs

WORKS
- artistic performance
- book
- conference materials
- data set
- dissertation
- invention
- journal article
- lecture/speech
- manual
- research technique
- software
- spin-off company
- website
- ...etc...

OTHER PERSON IDENTIFIERS

FUNDING

PEER REVIEW

EDUCATION

EMPLOYMENT
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