ORCID

Connecting Research and Researchers

ORCID Adoption and Use by the Publishing Community

STM Frankfurt Conference, 13 October 2015

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Names are Messy

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Can names be cleaned up?

Of course they can!

We need to use ***digital names***:

persistent identifiers that uniquely specify the object or person to which a name refers

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Registry for Researchers

ORCID (orcid.org) provides a registry of persistent digital identifiers that distinguish researchers from each other

ORCID ID
orcid.org/0000-0001-5717-8342

Quick: Who is this?

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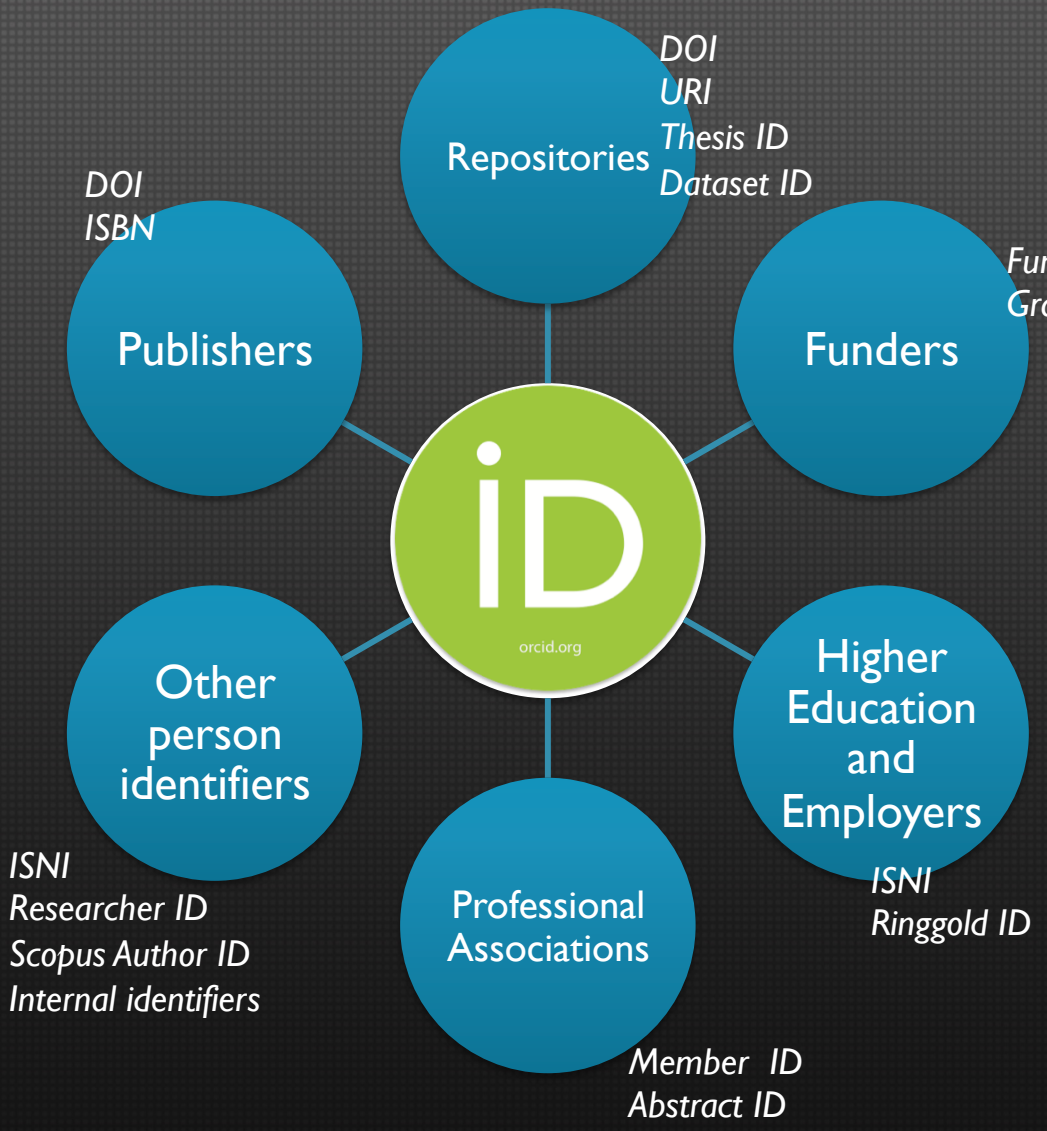
ORCID is a hub

With other identifiers, ORCID enables machine-readable connections with:

- works
- organizations
- person IDs



Noun Game

person

place

thing

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ORCID: interoperability

Identifiers and the connections between them provide plumbing for research information, and the tools to ***build trust*** in digital information

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ORCID enables assertions

Organizations in the community are collaborating to ensure persistent identifiers for people, places, and things are authenticated in research workflows

ORCID ID
orcid.org/0000-0001-8472-7079

+

Ringgold
RIN 218607

=

Employment (1)

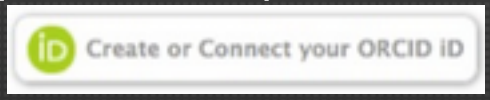
University of Colorado Boulder: Boulder, CO, United States

Source: Faculty Affairs at the University of Colorado Boulder Created: 2014-07-15

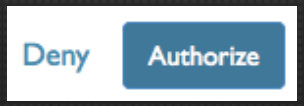
Authentication?

Authentication is the process of

- (a) using an electronic, password-protected process (API/OAuth2) to request an iD



- (b) explicitly requesting specific permissions from an individual to read/write/update information



Authentication ensures the person and the iD belong together, the iD is correct (no typos), and that privacy is respected.

TRUST

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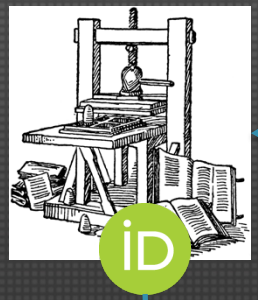
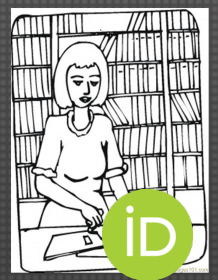
Plumbing in Action



submit manuscript

submit metadata

notifications to member systems



University Library

Faculty Profiles

Funders

update author ORCID record

ORCID Record

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

orcid.org

Implementing digital identifiers in publishing workflows is:

- Enhancing *discoverability* of authors and their associated works and affiliations
- Reducing *manual form-filling*
- Streamlining *reporting workflows*
- Supporting *trust* in information provided

28 Sept – 2 Oct 2015
#PeerRevWeek15

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scienceOPEN.com research+publishing network
sense about science
science and evidence in the hands of the public
WILEY

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Peer Review Services

Home > Standards > Subject Groups > Peer Review Services

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FACULTY of 1000

The Peer Review Services Working Group (PRS-WG) is led by ORCID and F1000 and is mandated with developing and maintaining a standard data profile for exchanging instances of peer review service contributed by researchers. The PRS-WG will review options for acknowledging peer review service activities and developing recommendations for policies and business rules.

http://casrai.org/standards/subject-groups/peer-review-services#.VT8DD2YfDKA

Peer Review Citation Data Elements

PERSON: Fields describing the person who performed the review and is being recognized for this review activity.

REVIEW: Fields describing the review itself. In the case of blind or otherwise unshared reviews, this information may be left blank.

SUBJECT: Fields describing the subject of the review, for example, the paper, grant or other item. In the case of blind or otherwise unshared reviews, this information also may be left blank.

ORGANIZATION: Fields describing the organization that is recognizing the person for review activity, such as a publisher, association or funder.

http://dictionary.casrai.org/Peer_Review_Services

Sub-elements

1. Reviewer/ID Type
2. Reviewer/ID
3. Reviewer/First Name
4. Reviewer/Middle Name
5. Reviewer/Family Name
6. Reviewer/Role
7. Review/Convening Org Name
8. Review/Convening Org ID Type
9. Review/Convening Org ID
10. Review/Reference ID
11. Review/URL
12. Review/Type
13. Review/Completion Date
14. Review Subject/ID Type
15. Review Subject/ID
16. Review Subject/Container
17. Review Subject/Type
18. Review Subject/Title
19. Review Subject/URL

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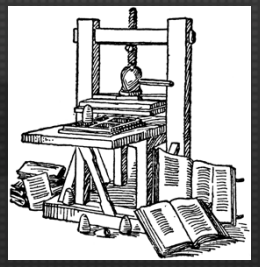
Peer Review Workflow

submit review



Publisher

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

ORCID Record

notifications to external repositories

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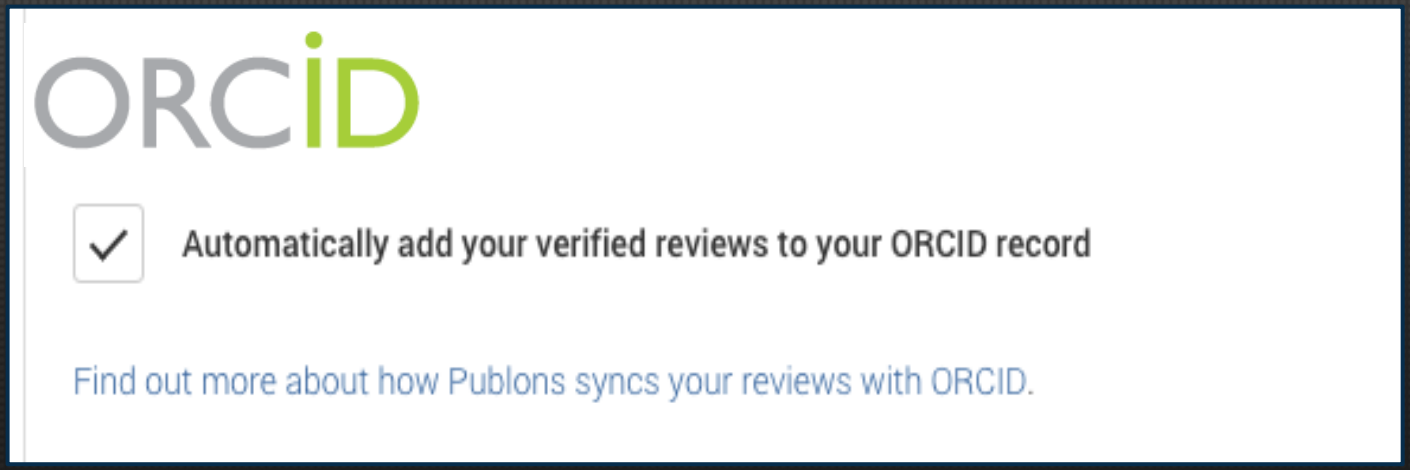
Reviewer opt in

- Reviewer can choose whether to export their review records to ORCID. Initial opt-in triggers permissions request workflow using ORCID OAuth.



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Complex review data structure translated into minimal review record with a persistent identifier

Publisher data

- Reviewer name
- Journal
- Verification audit trail
- Review date

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- iD
- Review YYYYMM
- Activity (review or editor)
- Organisation (journal, funder, etc.)
- Review Identifier
  Source and date of post

Challenges:

- Peer review activities must be associated with identifiers—for the reviewer, the activity itself, and the reviewer affiliation
- Connections between identifiers must be made using authentication

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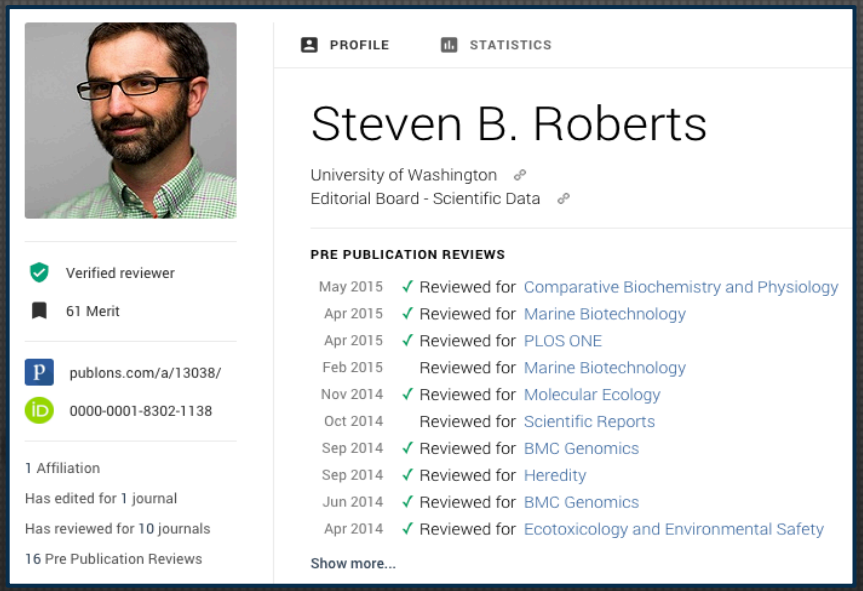
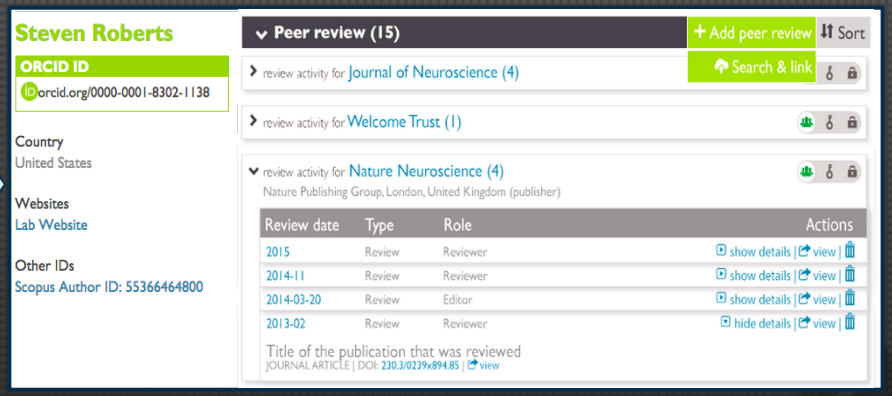
Concept: Verified Reviews





Publisher holds data and uses intermediary to provide repository of metadata and resolvable review IDs. Verified reviews (green ticks) are automatically transferred from intermediary to ORCID once the reviewer has opted in.

Where are we?

- Journals starting to collect ORCID iDs from reviewers; funders planning workflows
- ORCID launching user interface and APIs to support posting of peer review data
- Early adopter program underway with AGU. eJP, F1000, Publons, and other platforms to test out ORCID record update process

Implementing digital identifiers in peer review workflows will:

- Enhance *discoverability* of peer reviewers and their associated works and affiliations
- Make peer review activities *measurable*
- Enable a richer understanding of scholarly *contributions and connections*

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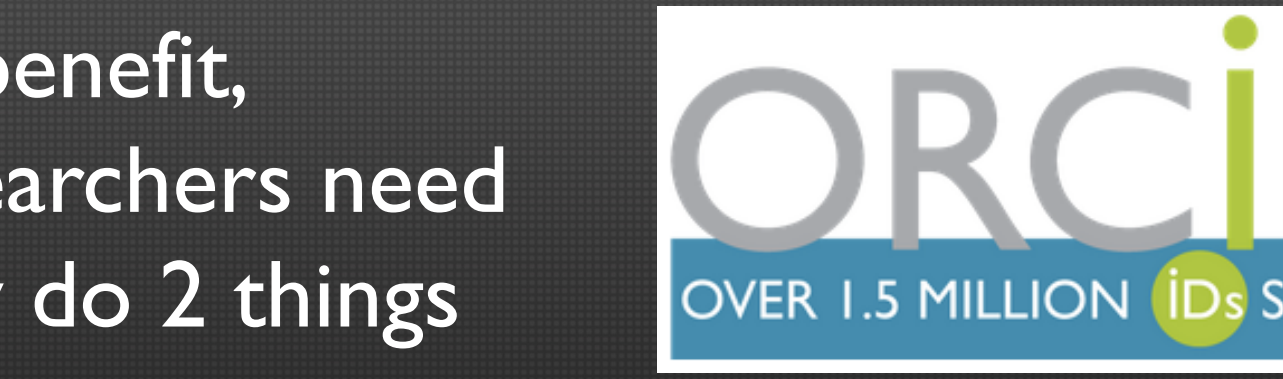
Researcher Responsibility

To benefit, researchers need only do 2 things



1. Register for an ORCID iD
2. Use ORCID iD when submitting and reviewing papers

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To encourage your journal to use identifiers
To ask authors and reviewers for iD
To use authentication and auto-update!

Noun Game

person

place

thing

TRUST

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