ORCID Update
CNI Scholarly Identity Workshop
Baltimore, Apr 4 2012
Chris Shillum, ORCID

The Problem: Name Ambiguity

Reliable attribution of authors and contributors is impossible without unique author identifiers.

The scholarly record is broken.
Facing the Challenge

Adopt definitional standards within and across data sources and types

Apply unique ID to person records across data sources and types

Enlist all sectors in data collection and standards effort
If it provides a more efficient way to manage my profile data and institutional and funder reporting requirements, I’ll use it.

I need to submit a paper

I need to list my scholarly output in a grant application biosketch

I want to know what other papers were published by these authors

I want to find potential collaborators
If it provides a more efficient way to manage expertise and impact data and supports seamless institutional reporting, we’ll use it.

We need to understand our institutional research strengths and impact.

We want to know how we compare to other institutions.

We need to track faculty publications for our institutional repository and/or profiling system.

We want to know with whom our faculty are collaborating.
The solution: Interoperability

Can stakeholders agree on common standards and identifiers?
ORCID

ORCID initiative started in late 2009 to solve the name ambiguity problem in scholarly communication.


ORCID non-profit organization with a Board of Directors created in August 2010.

Launch of service planned for the second quarter of 2012.
Why ORCID?

TRUSTWORTHY: Inclusive and transparently governed not-for-profit
GLOBAL: Not limited by discipline, institution or geography
OPEN: Data and source code available under recognized open licenses
EFFICIENT: Third-party seeding of profiles
INTEGRATED: Part of institutional, publisher, and funding agency infrastructure
ORCID in critical workflows

1792-3336-9172-961X
Researcher

- Joins faculty
- Joins student body
- Applies for grant
- Submits manuscript

- Track output of researchers
- Locate collaborators
- Streamline application process
- Support research assessment
- Streamline data input
- Create author links
Author - ORCID - Publisher Workflow

- Manuscript processed and content published
- ORCID passed to manuscript submission system
- ORCID/DOI pairings submitted to ORCID
- Metadata, along with ORCID deposited to CrossRef
- Researcher Profile Updated
- Researcher Registers
Researchers will be able to create and maintain an ORCID ID and profile free of charge, and will control their privacy settings.
ORCID will interact with other scholarly author identification systems

1792-3336-9172-961X
ORCID is open to any organization with an interest in scholarly communication.
ORCID transcends discipline, geographic, national and institutional boundaries

317 participating organizations as of March 2012
The ORCID Board of Directors represents a cross-section of all stakeholders, with a not-for-profit majority.

<table>
<thead>
<tr>
<th>Academic Institutions</th>
<th>Funding, Non-Profit and Government Organizations</th>
<th>Publishers and Associations</th>
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<tbody>
<tr>
<td>MIT Libraries</td>
<td>wellcome trust, crossref, OCLC, NII</td>
<td>ELSEVIER, Wiley, Thomson Reuters, ACM, Association for Computing Machinery</td>
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<tr>
<td>Harvard, Fermilab, SLAC, arXiv.org</td>
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<td>Medizinische Hochschule Hannover</td>
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All profile data contributed to ORCID by researchers or claimed by them will be released under the CC0 waiver.

All software developed by ORCID will be publicly released under an Open Source Software license approved by the Open Source Initiative.
In August, 2011, ORCID and Thomson Reuters reached an agreement that enables ORCID to start building the ORCID service based on Researcher ID code, giving ORCID the critical technology to create its system.

Phase 1 system development is underway, led by Geoff Bilder, Interim Technical Director.
ORCID Phase I System

Researcher self-claim, delegated management, and institutional seeding of data

Fine-grained control of privacy settings

Data exchange into grant/manuscript submission systems

ORCID identifier resolution and metadata search via GUI and REST API

API documentation and mock API server available at https://github.com/ORCID
ORCID Identifier Examples

http://orcid.org/0137-1963-7688-2319

What the ORCID Phase I System is not

A service to replace all existing author identifiers

A service to list the works of all inactive or deceased authors

A service to disambiguate author profiles

A researcher authentication service

A service that provides unique identifiers for institutions
ORCID Phase II System

- Non-university, third-party deposit of data
- Automatic de-duplication of records
- Ability to verify researcher claims
- Ability to claim non-publication contributions
- Ability to capture contribution roles
Phase 2 Disambiguation

Self-Asserted Identity

Socially-Validated Identity

Organizationally-Validated Identity

Disambiguated Identity
And who pays for this?

Membership fees for participating organizations, always free for individual researcher

No transaction costs; membership fees waived in 2012

Donations, grants and loans during startup phase