ORCID Open Researcher & Contributor ID

Working together to align the global network
An independent, community effort to standardize researcher identification

ORCID: The Open Researcher & Contributor ID

CENDI-NFAIS Conference
Repositories in Science & Technology
30 November 2011

Brian Wilson
Chair, Technical Working Group, ORCID, Inc.
VP & Chief Architect, Thomson Reuters

ORCID will work to support the creation of a permanent, clear and unambiguous record of scholarly communication by enabling reliable attribution of authors and contributors

10 Principles

1. ORCID will work to support the creation of a permanent, clear and unambiguous record of scholarly communication by enabling reliable attribution of authors and contributors.
2. ORCID will transcend discipline, geographic, national and institutional, boundaries.
3. Participation in ORCID is open to any organization that has an interest in scholarly communications.
4. Access to ORCID services will be based on transparent and non-discriminatory terms posted on the ORCID website.
5. Researchers will be able to create, edit, and maintain an ORCID ID and profile free of charge.
6. Researchers will control the defined privacy settings of their own ORCID profile data.

10 Principles

6. All profile data contributed to ORCID by researchers or claimed by them will be available in standard formats for free download (subject to the researchers' own privacy settings) that is updated once a year and released under the CC0 waiver.
7. All software developed by ORCID will be publicly released under an Open Source Software license approved by the Open Source Initiative. For the software it adopts, ORCID will prefer Open Source.
8. ORCID identifiers and profile data (subject to privacy settings) will be made available via a combination of “no charge” and “for a fee” APIs and services. Any fees will be set to ensure the sustainability of ORCID as a not-for-profit, charitable organization focused on the long-term persistence of the ORCID system.
9. ORCID will be governed by representatives from a broad cross-section of stakeholders, the majority of whom are not-for-profit, and will strive for maximal transparency by publicly posting summaries of all board meetings and annual financial reports.

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275+ Participants

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Newest Participants (Sep-Oct 2011)

BMJ Group

IPRI International Prevention Research Institute

Science-Metrix

SEARCHLIGHTER

UNB
UNIVERSITY OF NEW BRUNSWICK

NIF
Neuroscience Information Framework

U.PORTO

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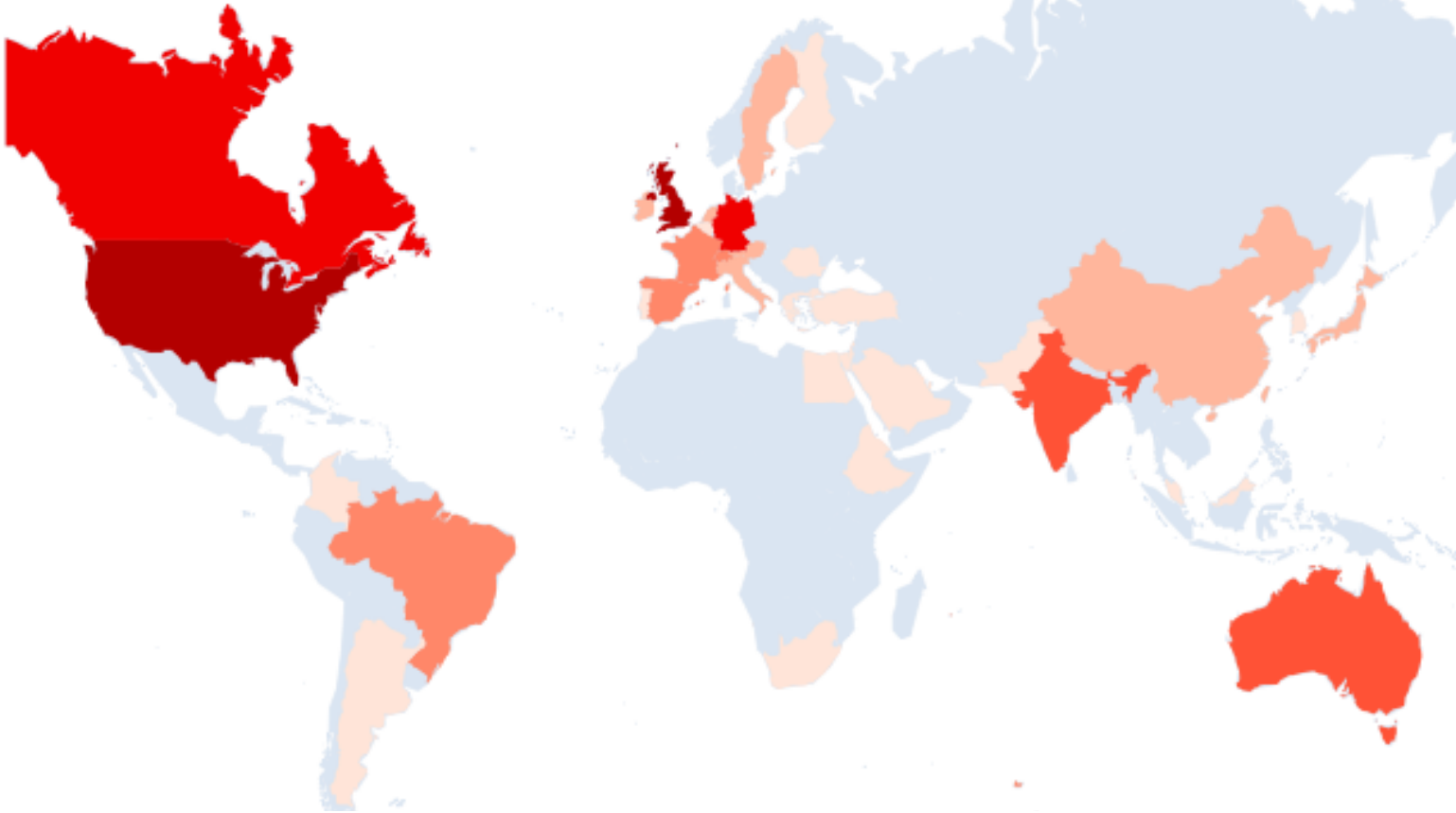
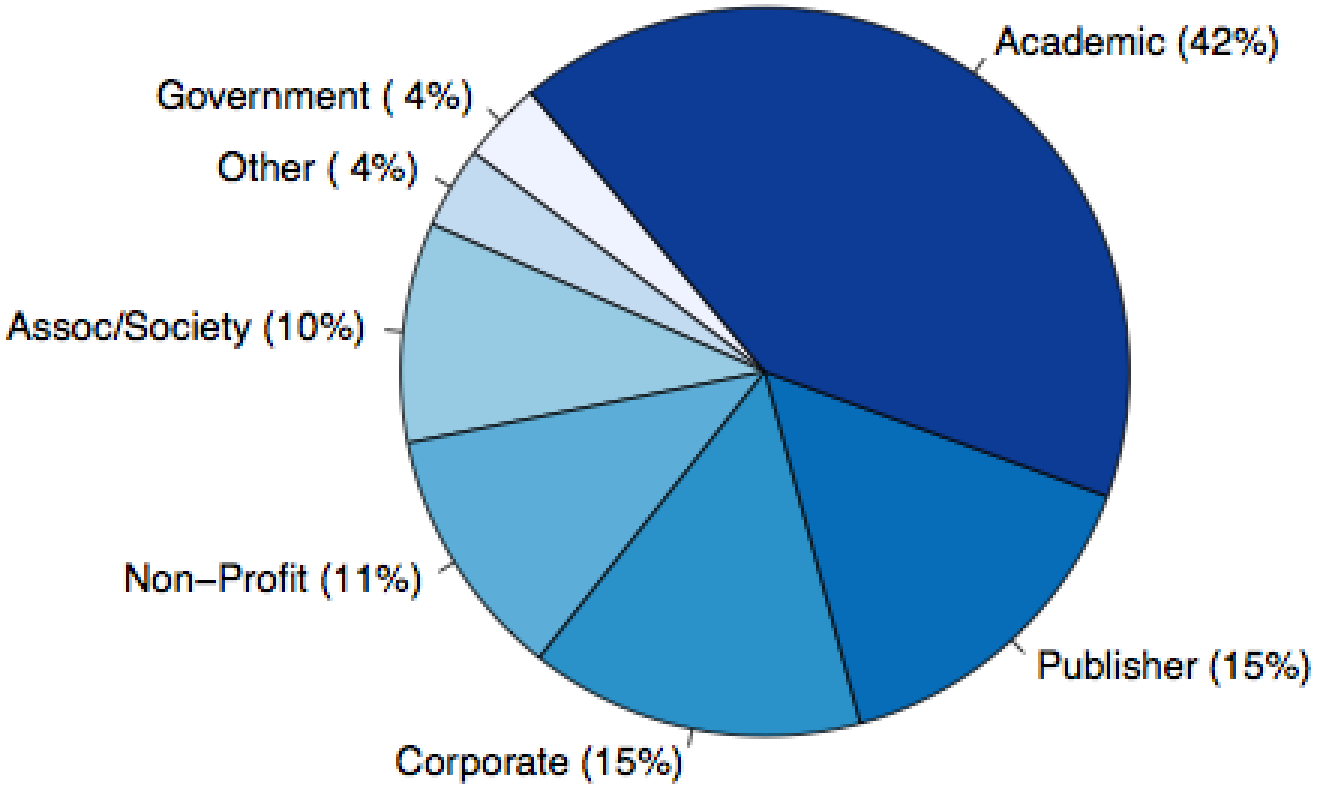
ORCID transcends discipline, geographic, national and institutional boundaries



USA	108
UK	46
Germany	20
Canada	11
Australia	9
India	7
Brazil	6
France	5
Spain	5
Switzerland	5
Ireland	4
Sweden	4
Austria	3
China	3
Italy	3
Japan	3
Netherlands	3
Belgium	2
Colombia	2
Greece	2
South Korea	2
New Zealand	2
Portugal	2
Singapore	2
Turkey	2

276 participating organizations as of 3 November 2011

ORCID is open to any organization with an interest in scholarly communication



ORCID Progress 2011

- Mellon Grant awarded to MIT, Harvard, Cornell to study ORCID business models in 2011
- VIVO awarded grant to ORCID for collaborative research
- ORCID provided with a perpetual license and royalty free use of ResearcherID technology including rights to release derivative code as open source
- ORCID technology development team makes first code release – a Mock-API-Web-Application providing a full implementation of the "ORCID Phase 1 Query API" (http://goo.gl/ctWlR) which third parties can use in order to start writing clients that require read-only access to the ORCID system. The deployable software is available on github (https://github.com/ORCID)
- NSF Grant awarded to University of Chicago and Harvard to investigate ORCID as an accelerator of science of science policy in October 2011!

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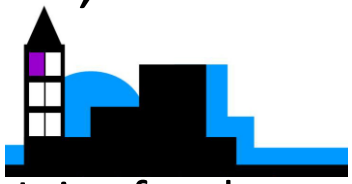
Key Constituents:

Academia, Funders, Publishers

Researcher



Joins faculty
Joins student body

Why?

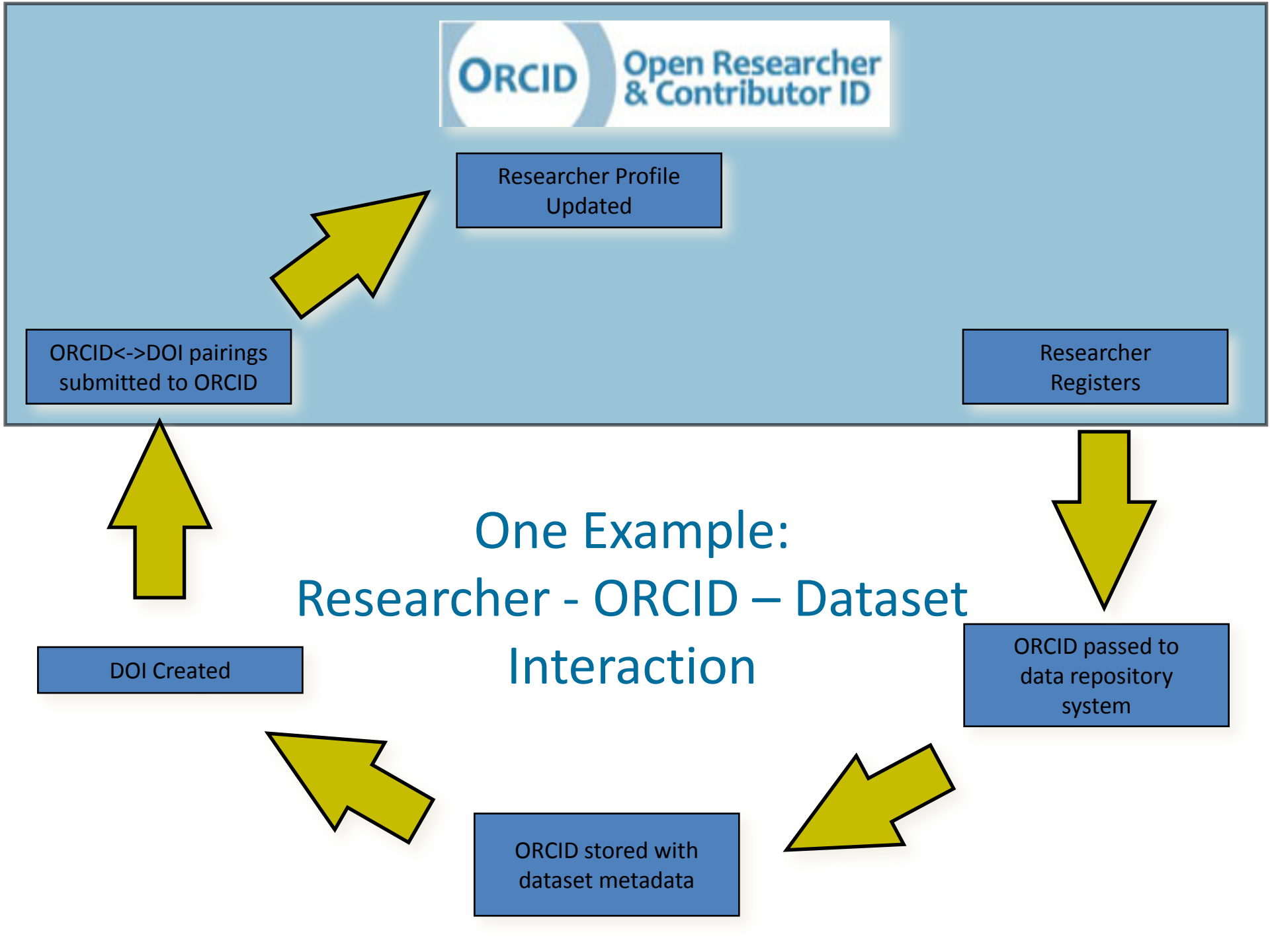
Helps track output of faculty and students

Applies for grant

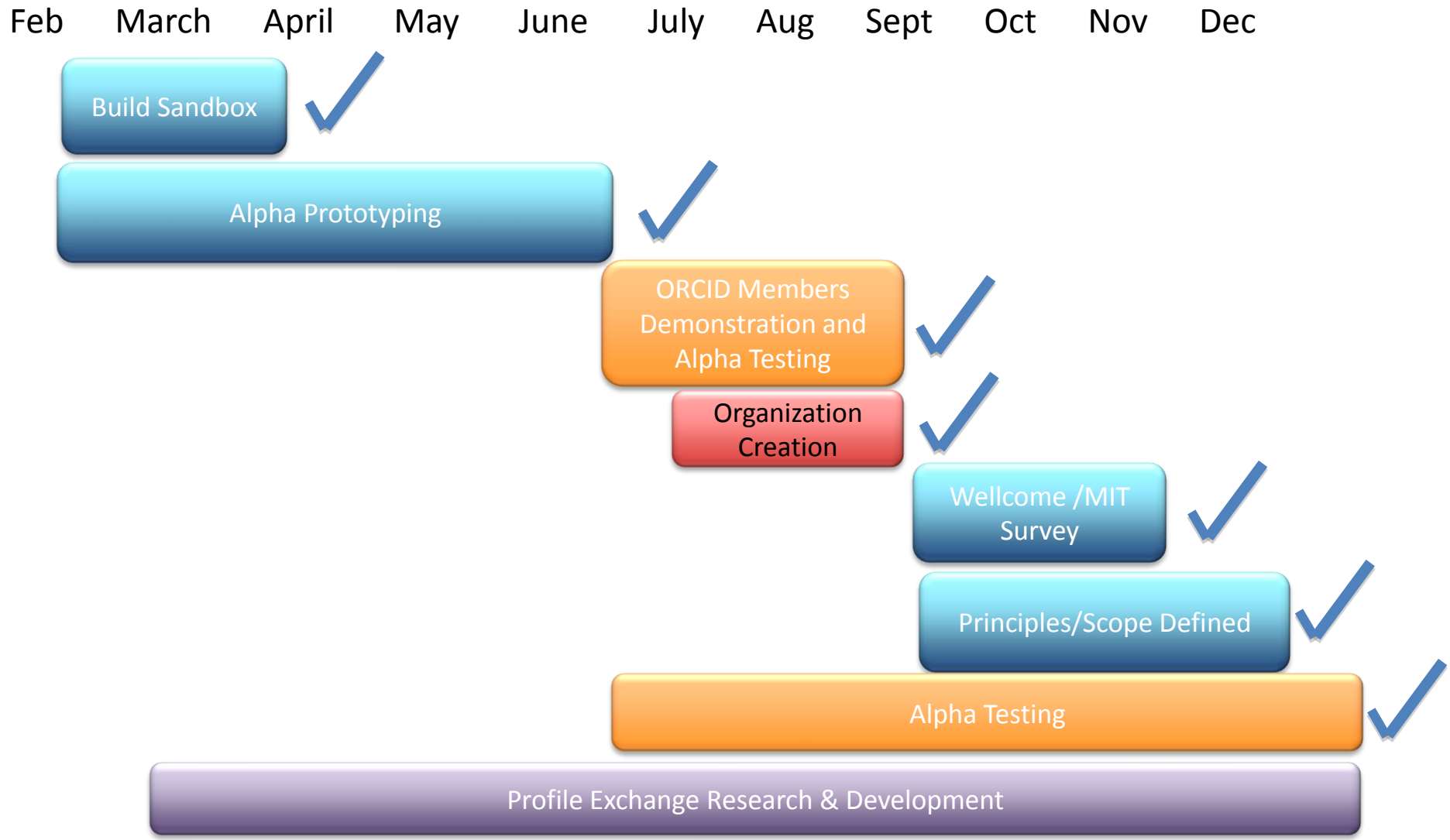
Helps perform research assessment of grantees

Submits Manuscript

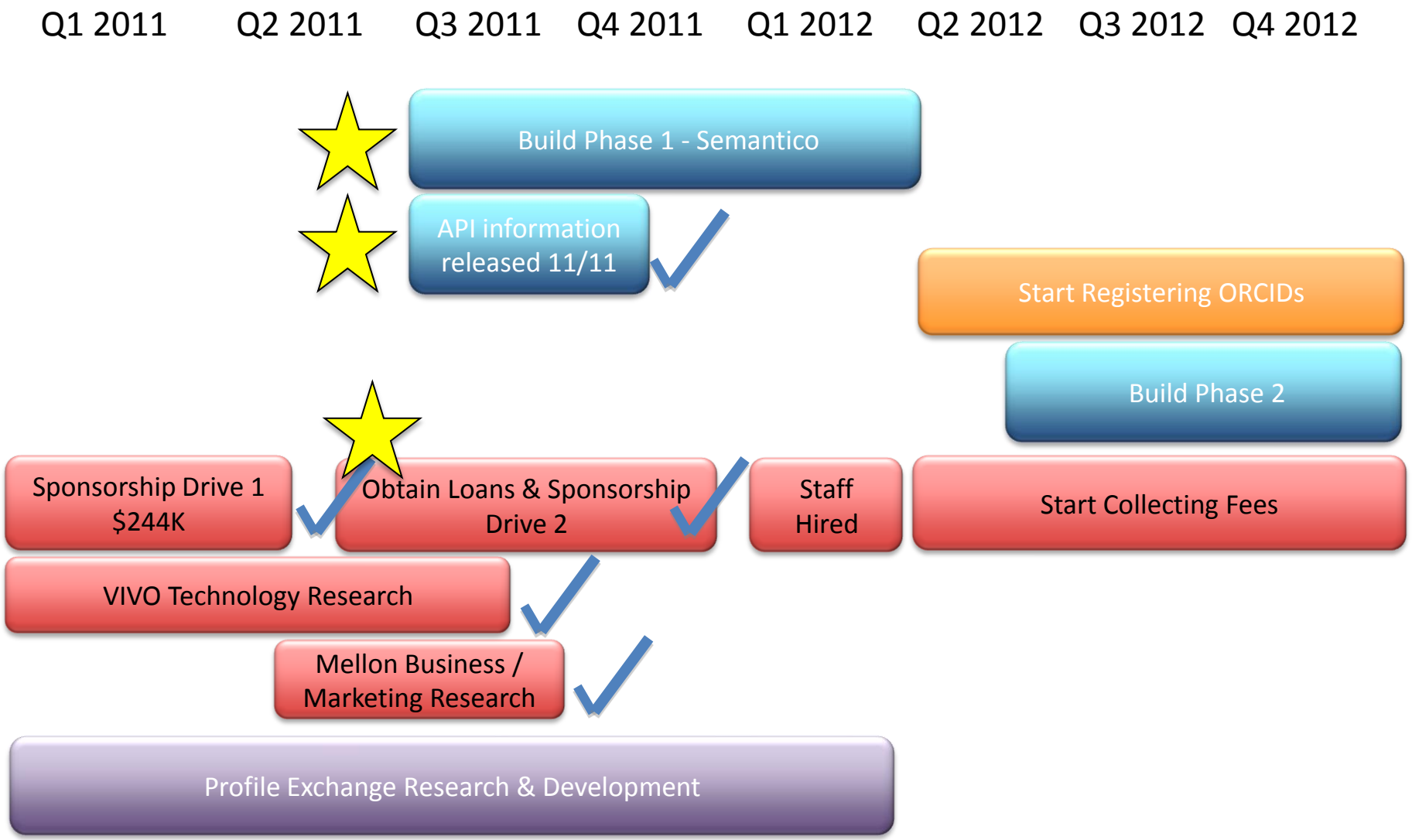
Streamline data input
Creates author links
- to publications
- to collaborators
- to other forms of communication


ORCID
Open Researcher & Contributor ID
Researcher Profile Updated
ORCID<->DOI pairings submitted to ORCID
Researcher Registers
One Example:
Researcher - ORCID – Dataset Interaction
DOI Created
ORCID passed to data repository system
ORCID stored with dataset metadata

Timeline 2010



Timeline 2011-12



Development Progress: Approach

Alpha

- Completed Spring 2010
- Self-claim oriented
- Limited light integration with a few participant services
- Demonstration capabilities transitioning to ORCID source code by end of year

Phase 1

- Development underway
- Development by Semantico under contract with ORCID
- Development led by Geoff Bilder
- Will provide core for future production service
- Will focus on currently active researchers

Phase 1.x and 2

- Development 2012+
- Will address assertions by wide group of third parties
- Will extend capabilities for alternate roles and other types of contributions
- Will provide mechanisms for automatic de-duplication of third party donated records

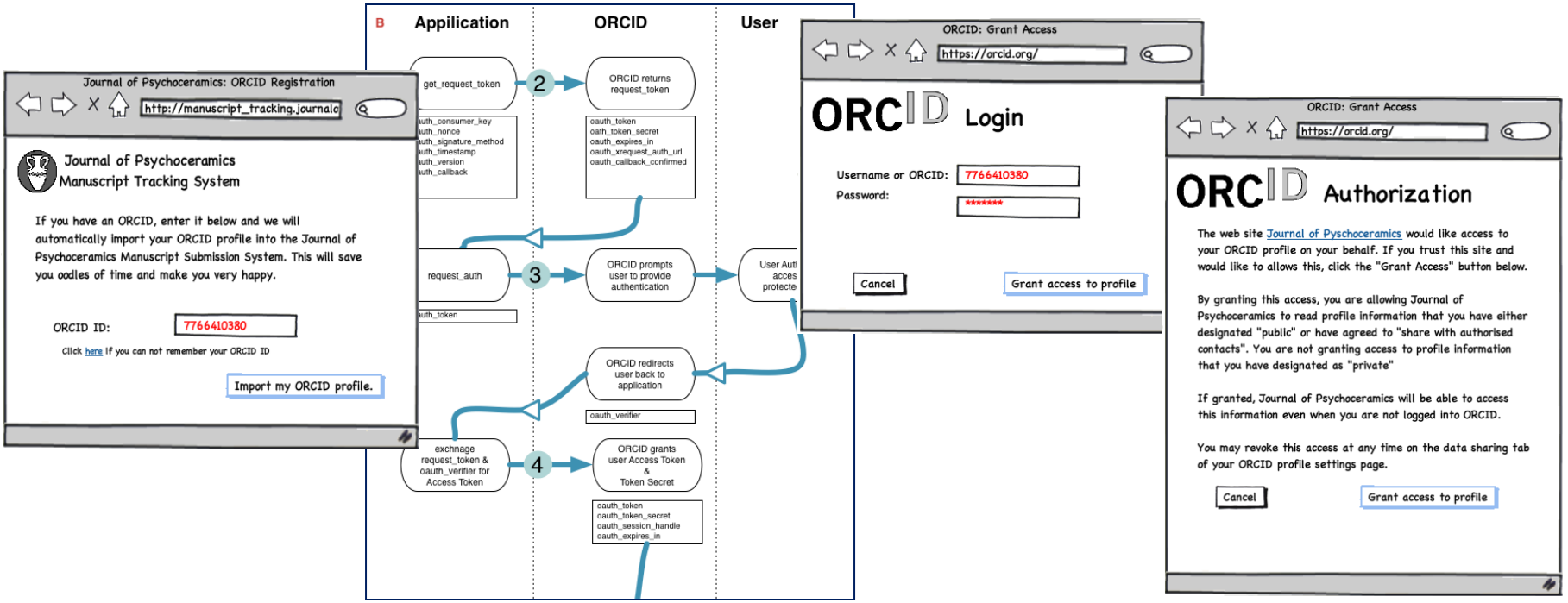
Development: Phase 1 Features

Core ResearcherID.com functionality plus:

- Institutional seeding of profiles (i.e. batch upload, alerting)
- Delegated management of profiles
- Profile exchange into grant/manuscript submission systems
- Fine-grained control of privacy settings at the claim level
  - public = “share with anybody”
  - protected = “share with parties authorized via OAuth”
  - private = “do not share”
- ORCID identifier resolution (both via GUI and REST API)
- Metadata search (both GUI and REST API)

Development Approach: OAuth

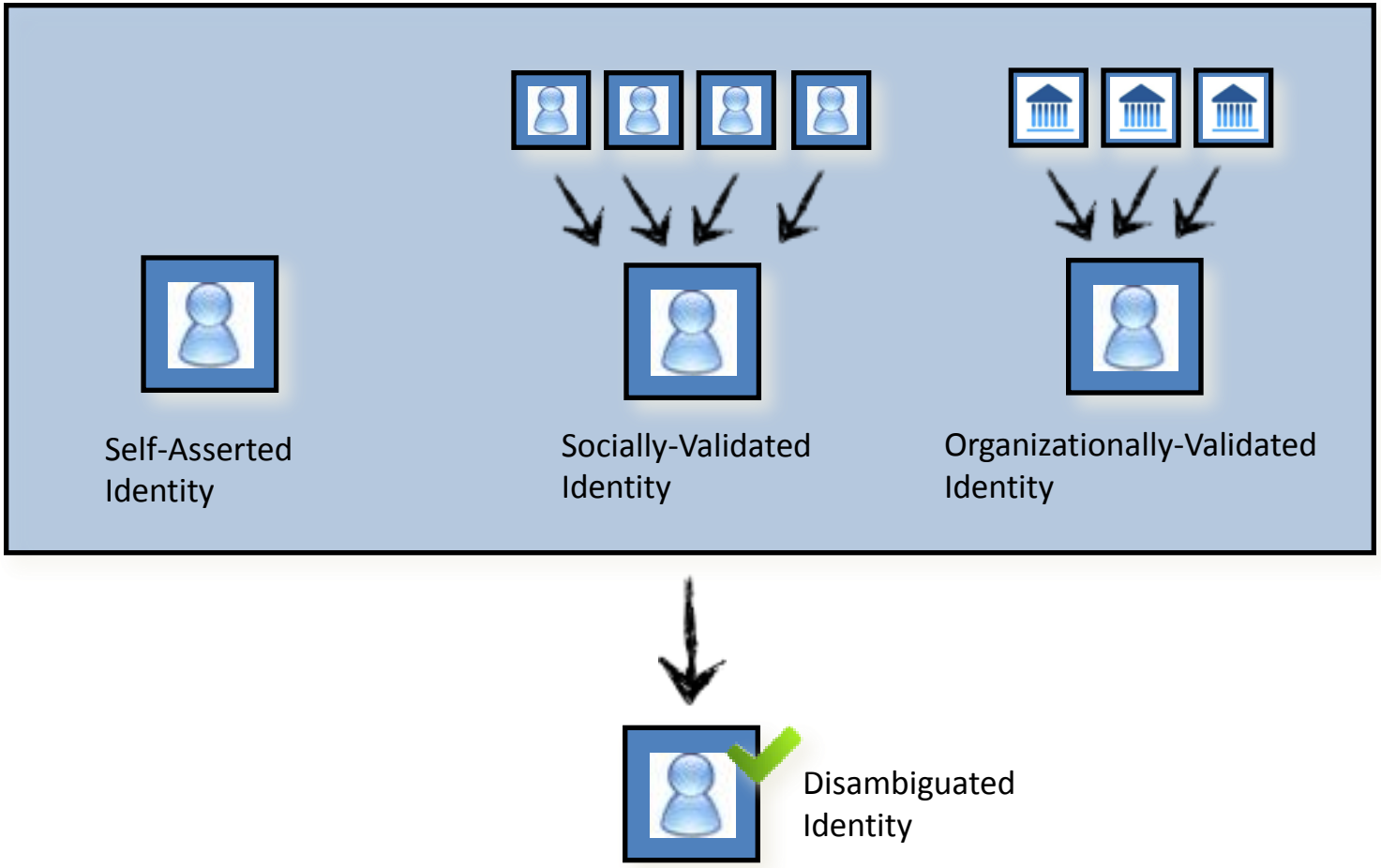
- API document also addresses OAuth integration with external sites
- Oauth development will leverage work done by Gudmundur Thorisson on VIVO-ORCID mini-grant
- ORCID will provide a stand-alone server code set with sample responses for integration development of community partner sites.



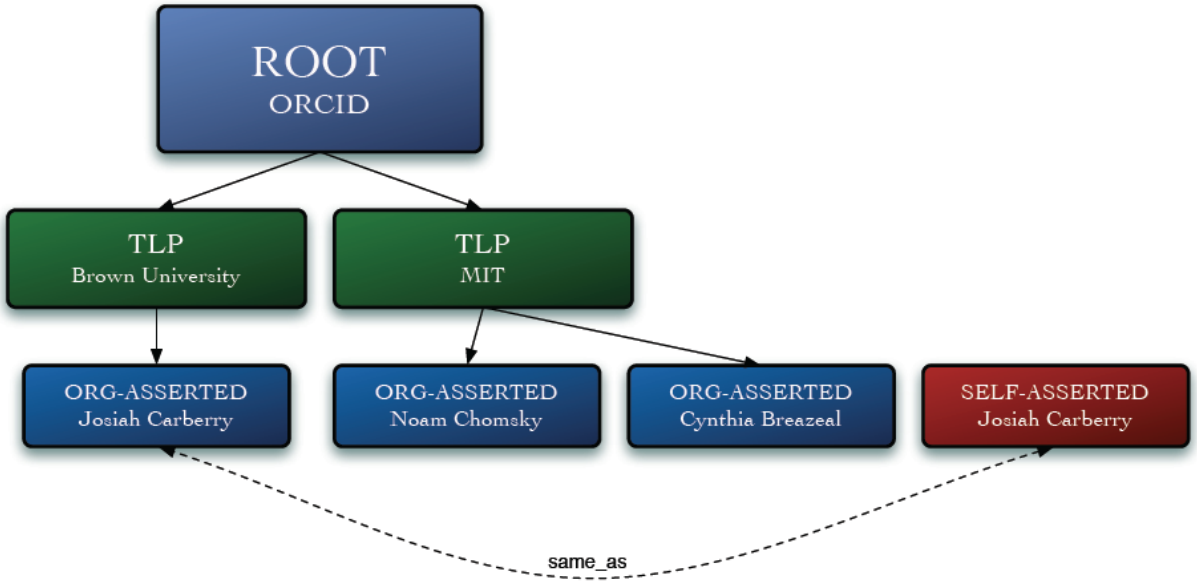
Development Progress: Query API

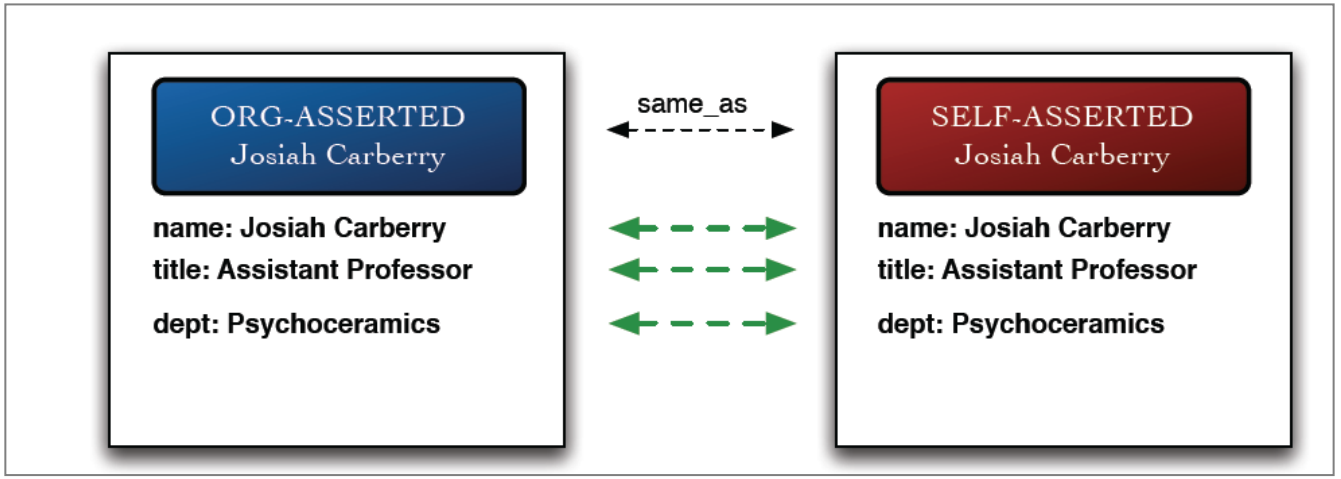
Query API will support the following query types			
Bio	ORCID	Profile metadata	Given a party, give me name and affiliation data
Works	ORCID	List of work metadata	Given a party, tell me what works they have contributed to
Full	ORCID	Profile metadata, work metadata and ORCIDs	Given an party, tell me what works they have contributed to, name and affiliation data
Work	Work identifiers (e.g. DOIs)	ORCIDs & associated metadata	Given a work, tell me what parties are responsible for it
Search	ORCID, Work identifiers, or profile metadata	ORCIDs & associated metadata	Given whatever metadata I have, give me a ranked list of potential parties identified by that metadata

Self-asserted + socially-validated + organizationally-asserted identity = more credible assertion

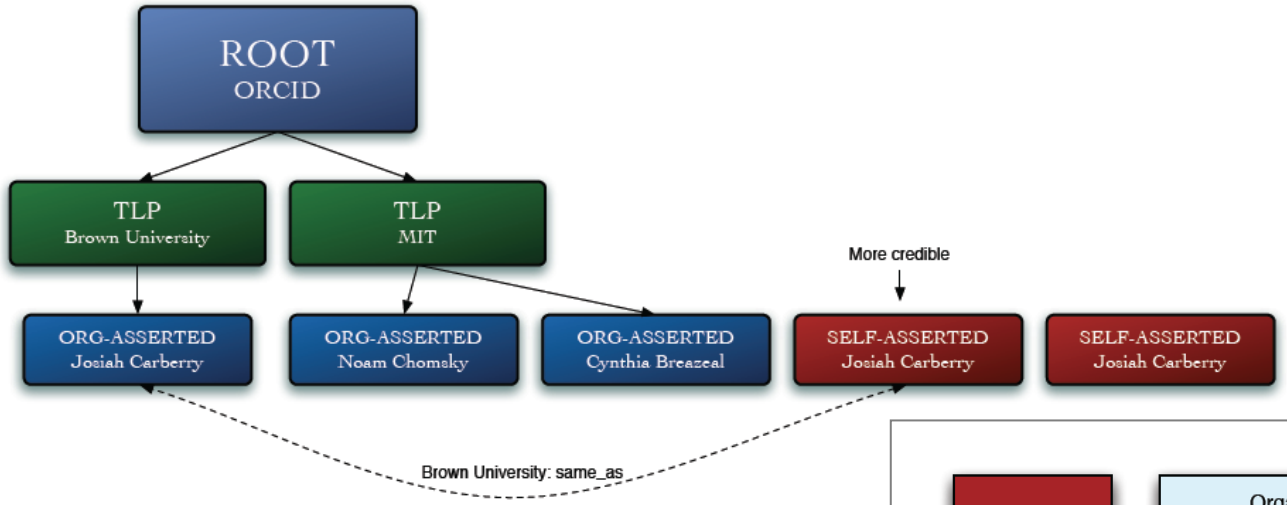


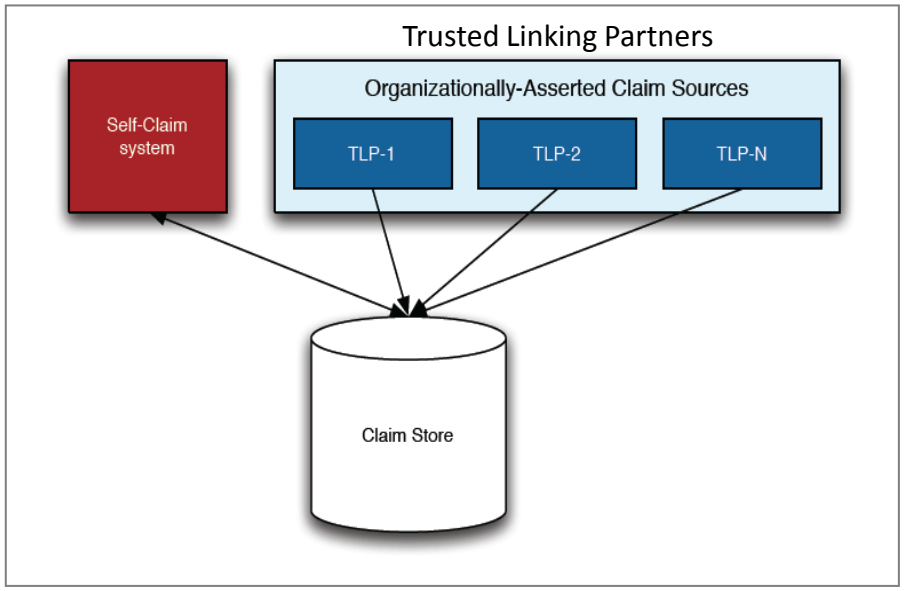
Phase 1 Disambiguation Concept





Assertion Collection
More Assertions = More Credibility





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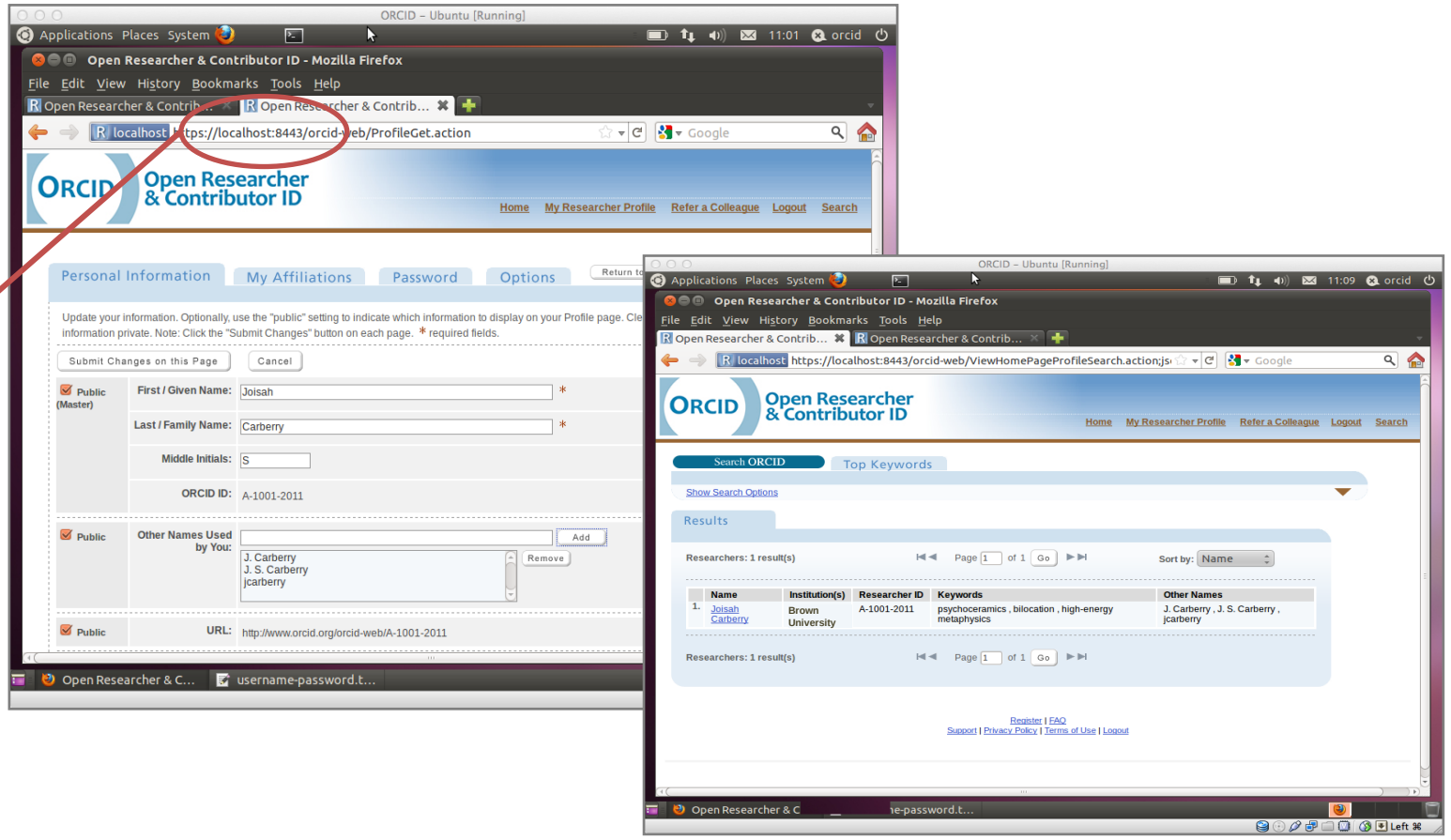
ORCID Phase 1 in Development for Q2 2012

Running on "localhost"



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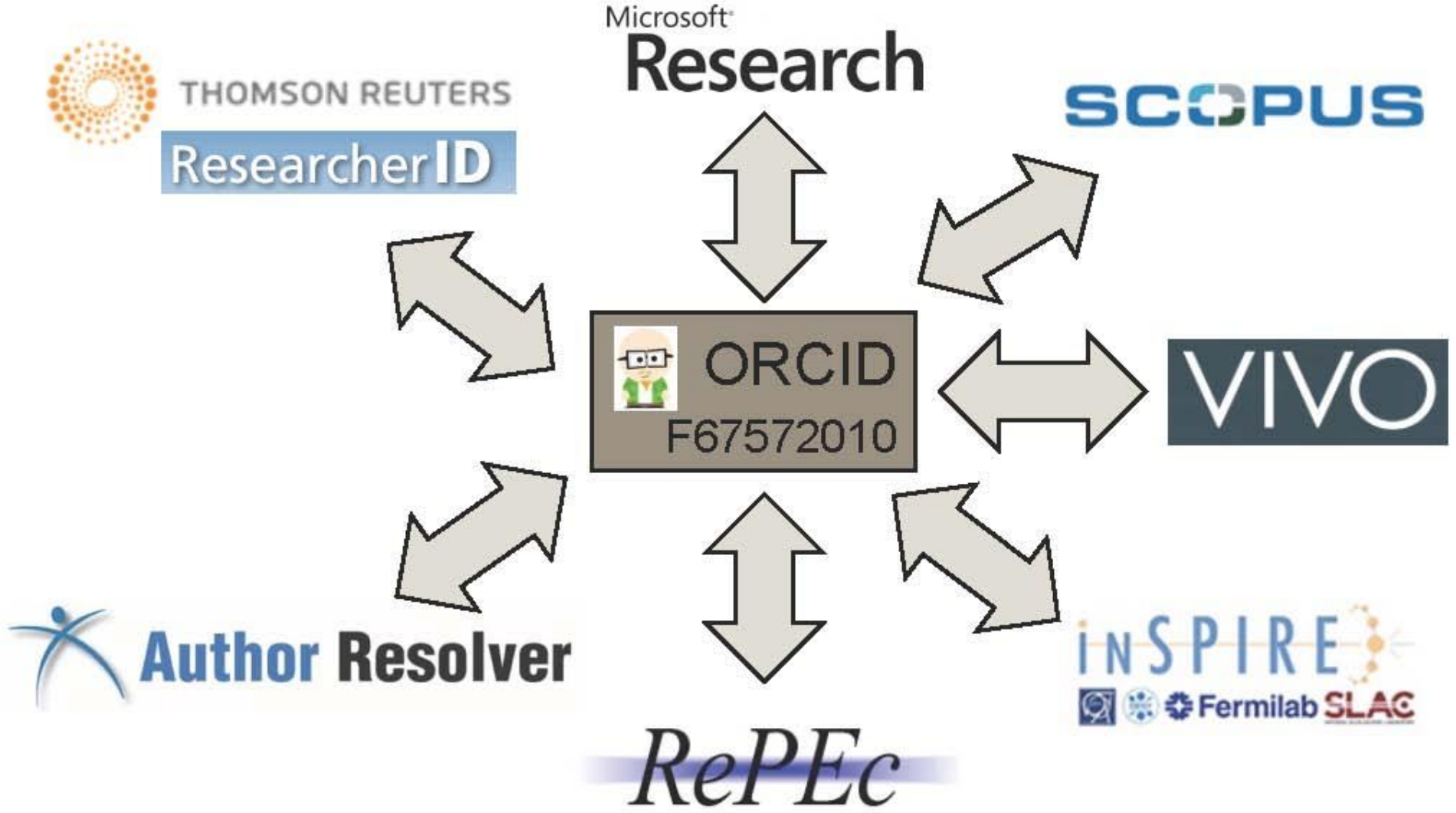

What Makes ORCID Different?

- Only not-for-profit contributor identifier initiative dedicated to an open and global service focused on scholarly communication
- ORCID is backed by a non-profit organization with over 275 participants behind it
- ORCID is backed by many different stakeholders
- Publishers are an important ORCID stakeholder but are just one part
- ORCID is serious about building an open system
- ORCID is the only researcher identifier that is not limited to discipline, institution or geographic area
- ORCID is the one to bridge them all by registering the identifiers of all other relevant standalone services (silos big and small)

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Come Join Us

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Join us at www.orcid.org
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