Supporting a scholar’s online identity with VIVO and ORCiDs

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Semantic Technologies Librarian
### Table 1: Stakeholders and needs

<table>
<thead>
<tr>
<th>Role</th>
<th>Needs</th>
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<tbody>
<tr>
<td>Researcher</td>
<td>Disseminate research</td>
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<tr>
<td></td>
<td>Compile all publications and other scholarly output</td>
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<tr>
<td></td>
<td>Find collaborators</td>
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<tr>
<td></td>
<td>Ensure network presence correct</td>
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<tr>
<td>Funder</td>
<td>Track funded research outputs</td>
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<tr>
<td>University administrator</td>
<td>Collate intellectual output of their researchers</td>
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<tr>
<td>Journalist</td>
<td>Retrieve all output of a specific researcher or track a given discipline</td>
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<tr>
<td>Librarian</td>
<td>Uniquely identify each author</td>
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<tr>
<td>Identity management system</td>
<td>Associate metadata, output to researcher</td>
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<tr>
<td></td>
<td>Disambiguate names</td>
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<tr>
<td></td>
<td>Link researcher's multiple identifiers</td>
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<tr>
<td></td>
<td>Disseminate identifiers</td>
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<tr>
<td>Aggregator (includes publishers)</td>
<td>Associate metadata, output to researcher</td>
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<tr>
<td></td>
<td>Collate intellectual output of each researcher</td>
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<tr>
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<td>Disambiguate names</td>
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<tr>
<td></td>
<td>Link researcher's multiple identifiers</td>
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<tr>
<td></td>
<td>Track history of researcher's affiliations</td>
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<td></td>
<td>Track &amp; communicate updates</td>
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</tbody>
</table>
10 types

• Authority hubs
• Current Research Information System (CRIS)
• Identifier hubs
• National research portal
• Online encyclopedia
• Reference management
• Research and collaboration hub
• Researcher profile systems
• Subject author identifier system
• Subject repository

OCLC: Draft Registering Researchers in Authority Files report (dated 2014-03-28)
Identifiers and Profiles in bibliographic records – new developments

Plug in ORCiD identifier and any other identifier (ISNI, VIAF) in Name Authority Records in 024 field with delimiter |2 qualifier value of orcid, isni, viaf ...

Example on Eric Childress NAR:

http://errol.oclc.org/laf/no2005-43559.html
Identifiers and Profiles in bibliographic records – new developments

<table>
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<tr>
<th>024</th>
<th>7</th>
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<th>2isni</th>
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<tbody>
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<td>a0000-0002-7442-635X</td>
<td>2orcid</td>
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<tr>
<td>024</td>
<td>7</td>
<td>a36648407</td>
<td>2viaf</td>
</tr>
</tbody>
</table>
Identifiers vs Profiles

Example: VIVO Profile – Michael Conlon

VIVO URI: [http://vivo.ufl.edu/display/n25562](http://vivo.ufl.edu/display/n25562)

and

ORCiD: [http://orcid.org/0000-0002-1304-8447](http://orcid.org/0000-0002-1304-8447)
What is VIVO?

• A semantic-web-based research and researcher discovery tool
• Publicly-visible information, across disciplines
• An open, shared platform for connecting scholars, research communities, campuses, and countries using Linked Open Data
VIVO history

2003-2005  Developed as a relational database for the life sciences at Cornell University
2006-2008  Expanded to include all disciplines at Cornell, and converted to Semantic Web platform
2009-2012  National Institutes of Health sponsored project transforms VIVO to a multi-institutional open source platform
2013-2014  VIVO incubator project with DuraSpace for open community development
What VIVO does?

• Integrates multiple sources of data
  - Systems of record
  - Faculty activity reporting
  - External sources (e.g., Scopus, PubMed...)

• Provides a review and editing interface
  - Single sign-on for self-editing or by proxy

• Provides integrated, filterable feeds to other websites

*Introduction to VIVO. Jon Corson-Rikert, Kristi Holmes, Brian Lowe, Julia Trimmer, and Alex Viggio, VIVO 2013, St. Louis, Missouri*
Key VIVO principles

- Open software
- Open data
- Open ontology
- Open community
- Decentralized infrastructure
- Local control
VIVO models:

- People and more
  - Organizations, grants, programs, projects, publications, events, facilities, and research resources
- Relationships among the above
  - Meaningful
  - Bidirectional
  - Navigable context
- Links to URIs elsewhere
  - Concepts, identifiers
  - People, places, organizations, events

Introduction to VIVO. Jon Corson-Rikert, Kristi Holmes, Brian Lowe, Julia Trimmer, and Alex Viggio, VIVO 2013, St. Louis, Missouri
Data sources:

- Human Resources
- Fiscal Office
- Registrar office (course data)
- Grants & contracts
- Faculty reporting system(s)
  - publications, service, research interests, awards
- External repositories - e.g. Pubmed, Scopus, WoS ...
Demo site
What is an ORCiD?

- Open Researcher & Contributor ID
- Unique 16-digit author identifier: xxxx-xxxx-xxxx-xxxx
- Non-profit registry of unique identifiers for individual researchers worldwide
- Provides linking mechanism between author and his/her research outputs
Benefits of ORCiD

• Solves the name ambiguity problem
• ORCiD can be associated with Scopus ID and Researcher ID
• Apps allow transfer of records between ORCID and these two
• Benefits the publishers, associations ...
ORCiD Integration Grant

- University program to integrate standard author identifiers into the profiles of all Texas A&M faculty, students, and staff (think UINs but for researchers)
- Aimed first at graduate students and post-docs
- Others can participate on request
- Grant-funded by Alfred P. Sloan Foundation

It Takes a Village to Grow ORCIDs on Campus: Establishing and Integrating Unique Scholar Identifiers at Texas A&M
Gail Clement, Violeta Ilik, Douglas Hahn, Micah Cooper, Sandra Tucker
Goals of Campus ORCiD Integration for early career scholars & professionals

- Establish scholarly identity at start of career
- Position new scholars for ready success with publishers, funding agencies, and other research support systems requiring ORCiDs
- Develop scalable and trusted infrastructure for tracking student outcomes over time
- Build greater publishing capacity for Libraries and University
Gail Clement conducts outreach and training to support new and existing ORCiD owners.
Future directions for VIVO and ORCiD @ TAMU

Full implementation of VIVO to display academic lineage (advisor and advisee relationships); PhD theses of former TAMU graduate students; co-author networks; temporal graphs

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Thank you

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Also known as:
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Виолета Илиќ

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