COLLABORATION AND RESEARCH DISCOVERY WITH VIVO

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http://VIVOweb.org

Internal data sources
Human Resource Directory
Office of Sponsored Research
Institutional Repositories
Registrar System
Course database
Faculty Activity Systems
Events and Seminars
Institutional partners
Core & center membership rosters

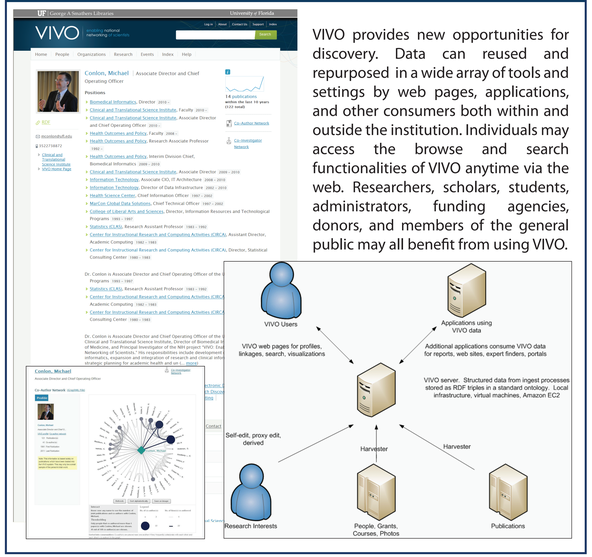
External data sources
Publication warehouses: PubMed, PLoS, BioMed Central, Web of Science, Scopus, and more
Grant databases: NSF/ NIH
National Organizations: AAAS, AMA, AMIA, CTSAs, etc.

Manual editing
Individuals and their proxies can supplement the profile with additional information.

VIVO provides data via the semantic web using an ontology for information representation and a standard (RDF) for data formatting. VIVO enables a new class of tools and data sharing, benefiting scholars and science.

VIVO

What is VIVO?



VIVO provides new opportunities for discovery. Data can reused and repurposed in a wide array of tools and settings by web pages, applications, and other consumers both within and outside the institution. Individuals may access the browse and search functionalities of VIVO anytime via the web. Researchers, scholars, students, administrators, funding agencies, donors, and members of the general public may all benefit from using VIVO.

VIVO, CTSAs, and Research Networking

CTSA Recommendations and Best Practices for Research Networking[1]

The Research Networking Recommendations were approved by the CTSA Consortium Executive and Steering Committee on October 25, 2011.

VIVO aligns with Recommendations for Research Networking:

Recommendation: All CTSAs should encourage their institution(s) to implement research networking tool(s) institution-wide that utilize RDF triples and an ontology compatible with the VIVO ontology.

Recommendation: Information in people profiles at institutions should be publicly available as data as a general principle, specifically as Linked Open Data. To ensure quality of information, authoritative electronic data sources versus manual entry should be emphasized. Institutions will vary in the amount of information that they will include and make publicly available but the value is enhanced by the quality and quantity of information.

Recommendation: Monitoring of the research networking landscape, technology, and tools should continue to be overseen by experts from the CTSA consortium (e.g., the Research Networking group of the Informatics KFC).

[1] http://www.ctsacentral.org/recommendations-and-best-practices-research-networking

Research Discovery

Research discovery is facilitated via content browsing and the structured data lends itself to a variety of applications that can make use of these data. A SPARQL query builder is part of the standard VIVO distribution and allows for end-user data requests from a VIVO implementation, enabling access to data for subsequent analysis, evaluation, and visualization of the research enterprise.

A Growing Community

Sites that will produce VIVO data include:

The CTSA Consortium (60 sites), Harvard Profiles (30 sites), SciVal experts (eventually 20 sites), HubZero (4 sites), Loki, and other VIVO adoption sites.

Sites adopting VIVO include:

American Psychological Association (154,000 members) USDA (120,000 staff, 50 land grant universities), eight Australian research universities, National Science Library of the Chinese Academy of Sciences, 50 sites in the US, and dozens of international sites across Puerto Rico, China, Australia, New Zealand, UK, Mexico, Costa Rica, India, Germany, Netherlands, Chile, and more.

The Federal Researcher Profile System, the Open Researcher and Contributor ID project (ORCID), Community of Science, Thomson-Reuters, Elsevier, Symplectic, Open Access publishers, and others exchange with VIVO.

Other Partnerships and collaborations of note:

White House OSTP, NIH, NLM, NSF, USDA, FDP, EPA, FRPS, STAR Metrics, SciENCV, EuroCRIS, Wellspring Worldwide, DERI, Tim Berners-Lee, Jim Hendler, ConceptWeb Alliance, OpenPHACTS (EU), Linked Data, eagle-i.

Some community stats:

Downloads (>16,000), contact list (>1,600)
Four annual events: conference, workshop, hackathon, implementation fest

Get Involved

Contact us

Would you like to learn more about VIVO and how it works? Interested in collaborating? Does your team have specifc questions about supporting VIVO at your institution? Would you like to give us feedback or schedule a demonstration?

Drop us a note at http://vivoweb.org/contact.

VIVO Open Source Community

VIVO enjoys a robust open source, open community space on SourceForge. The site offers a wiki, focused listservs, and ways of connecting with other VIVO project members such as event listings and collaborative phone calls. The VIVO software and ontology are publicly available at the SourceForge site, along with content that supports implementation, adoption, and development efforts around the world.

Visit http://vivo.sourceforge.net.

Social Media

Follow the project and receive updates:
http://twitter.com/VIVOcollab
http://www.facebook.com/VIVOcollaboration

Join us!

We invite you to join us at a VIVO event this year to learn more and connect with others who are interested in VIVO, scholarly representation, collaboration and open research discovery.

2012 VIVO Implementation Fest:
May 14-16, 2012
University of Colorado - Boulder
http://vivoweb.org/2012-vivo-implementation-fest

Third Annual VIVO Conference:
August 22-24, 2012
Hotel InterContinental in Miami, FL
http://vivoweb.org/conference

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