VIVO: A library-based tool for renewing and enhancing collaboration and networking among researchers

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vivo.ufl.edu
What is VIVO?

An open-source **semantic web application** that enables the discovery of research and scholarship across disciplines in an institution...

...populated with **detailed profiles** of faculty and researchers; displaying items such as publications, teaching, service, and professional affiliations;

**a powerful search functionality** for locating people and information within or across institutions.
History of VIVO

- Originated at Cornell University
- Being expanded for national use through a $12.2 million NIH grant
- Seven founding members of VIVO Collaboration – Cornell University, University of Florida, Weill Cornell Medical College, Indiana University, Washington University in St. Louis School of Medicine, The Scripps Research Institute, Ponce School of Medicine
Challenges VIVO Addresses

**Researchers**
- Research is becoming highly interdisciplinary
- How can researchers find collaborators, track competitors, and stay abreast of current research inside large institutions, at other institutions, and globally?

**Administrators**
- Research institutions can be extremely large
- How can administrators showcase and monitor research activity, track competitors, and stay abreast of current research inside large institutions, at other institutions, and globally?

**Academic Libraries**
- Researchers increasingly use online resources and rarely visit the physical library
- How can librarians stay aware of their institution’s current trends and research in order to build collects and design new services?
A VIVO profile will allow researchers to:

- **Map colleagues** by research area, authorship, and collaborations.
- **Showcase** credentials, expertise, skills, and professional achievements.
- **Connect** within research areas and geographic expertise.
- **Simplify** reporting tasks.
- **Publish** the URL or link the profile to other applications.
Who can use VIVO?

**Faculty/Scholar/Researcher/Scientist**
- Find collaborators
- Keep abreast of new work
- Track competitors
- Rely on customized profiles maintained via automatic updates

**Donor/Funding Agency**
- Discover current funded projects
- Search for specialized expertise
- Visualize research activity within an institution

**Librarian**
- Identify research data to gather/curate/share
- Track research to prioritize collection budgeting
- Customize library collections and services

**Administrator**
- Showcase college, program, departmental activities
- Identify areas of institutional strength
- Manage data in one place

**Student**
- Locate mentors, advisors, or collaborators
- Locate events, seminars, courses, programs, facilities
- Showcase own research

...and many more!
How does VIVO work?

**Internal data sources:**
- Human Resources
- Sponsored Research
- Institutional Repositories
- Registrar System
- Faculty Activity Systems
- Events and Seminars

**External data sources:**
- Publication warehouses e.g. PubMed, Web of Science, Scopus
- Grant databases: e.g. NSF/NIH
- National Organizations: AAAS, AMA

Data stored as RDF triples using standard ontology

Faculty and unit administrators can then add additional information to their profile.

VIVO data is available for reuse by web pages, applications, and other consumers both within and outside the institution.
Why involve libraries and librarians?

Libraries:
- Neutral, trusted entities
- Tradition of service and support for all missions of institution: Administration, Teaching and learning, Research, Fund-raising
- Technology centers

Librarians:
- Know their organization/institution
- Establish and maintain close relationships with clients
- Understand the value of collaboration and can often bring people together
- Understand user groups’ ethos, environment, needs
- Have some data expertise – organization, manipulation, storage and retrieval, usability
Librarians as facilitators: UF model

Content Development
- Identification of desirable data
- Negotiation for use/access of that data
- Selection of content types and the controlled vocabulary/ontology

Training and Support
- Development of instruction manuals, tutorials
- Presentations, videos, and demo templates
- Help-desk support, web site FAQs

Communications
- Conference presentations to recruit potential collaborators
- Feedback from presentations to help technical team refine the interface
- Construction/maintenance of website (http://vivoweb.org)
- User forums to create community of support

Marketing
- Demonstrations/exhibits, conferences, workshops, website
- Distribution of PR materials
Local Outreach: what’s happening at UF

Outreach Team:
- Liaison librarians from Health Science Center Libraries
- Subject specialists from Marston Science Library

Year One:
- Tested relationships between colleges, departments, and individuals and manually added overview information
- Collected and entered CVs from showcase departments

Year Two
- Outreach to liaison departments and colleges – speaking at department meetings, etc.
- Training for other librarians in outreach and data entry
- Support for faculty as they edit their own profiles
- Campus-wide event
Three Prongs of UF Outreach

Raising awareness
- What is VIVO?
- Why would I use VIVO?
- What future features will VIVO have?

Teaching basic use
- Features currently available in UF VIVO
- Navigating and searching

Supporting advanced use
- Editing your own profile
- Mapping a CV to fields in VIVO
UF Outreach present and future

**Phased Approach**

- **Fall 2010:** Health & Basic Sciences, Engineering
- **Spring 2011:** Engineering, Liberal Arts, Agriculture, Fine Arts, Education
- **Summer 2011:** Law, Business, Journalism, Construction
# VIVO Outreach by the numbers

<table>
<thead>
<tr>
<th>National Outreach</th>
<th>UF Outreach</th>
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<tbody>
<tr>
<td>• <strong>426,105</strong> visits to vivoweb.org</td>
<td>• <strong>400 – 500 visits a day</strong> (on weekdays) to <a href="http://vivo.ufl.edu">vivo.ufl.edu</a></td>
</tr>
<tr>
<td>• <strong>285</strong> Facebook fans</td>
<td>• <strong>17,780</strong> profiles available in <a href="http://vivo.ufl.edu">vivo.ufl.edu</a> from</td>
</tr>
<tr>
<td>• <strong>50+</strong> conference presentations on VIVO by team members</td>
<td>• 16 Colleges</td>
</tr>
<tr>
<td>• <strong>35+</strong> full-length demonstrations to institutions</td>
<td>• <strong>176</strong> Departments</td>
</tr>
<tr>
<td>• <strong>1</strong> national conference</td>
<td>• <strong>34+</strong> department visits on VIVO by UF team members</td>
</tr>
</tbody>
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How can you become involved?

• **Visit [VIVOweb.org](http://vivoweb.org) to request a demo, receive more information on the project, upcoming releases, and project downloads.**

• **Become a fan.** Join us on Facebook at: [http://www.facebook.com/VIVOCollaboration](http://www.facebook.com/VIVOCollaboration)

• **Submit any questions or feedback to:** [http://vivoweb.org/contact](http://vivoweb.org/contact)

• **Attend** the second annual VIVO conference!
VIVO 2, August 24-26, 2011
Gaylord Hotel and Conference Center, Washington DC

For more information: vivoweb.org/conference