VIVO

enabling national networking of scientists

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VIVO Collaboration*

Sustaining our Future through Innovation—VIVO: Library-Based Support for Researcher Networking
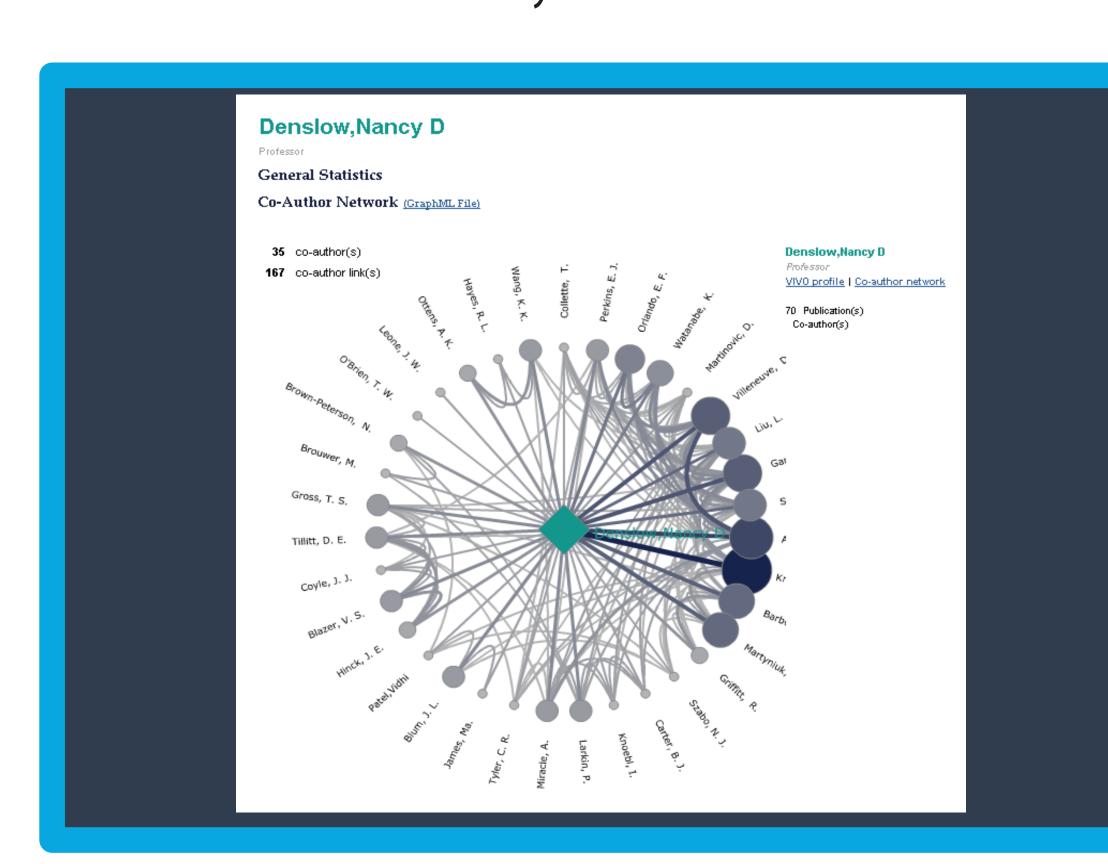
What is VIVO?

- VIVO is an open source Semantic Web application that enables the discovery of research & scholarship
- VIVO is populated with detailed profiles of faculty and researchers
- VIVO provides a faceted search functionality for easily identifying people, activities, organizations, and other research-related information
- VIVO minimizes the need for manual data entry by pulling data from existing university and public sources, such as PubMed and NIH Reporter

National VIVO Network

- Links local VIVO installations and other profiling applications producing Semantic Web-compliant data
- Enables cross-institutional collaboration
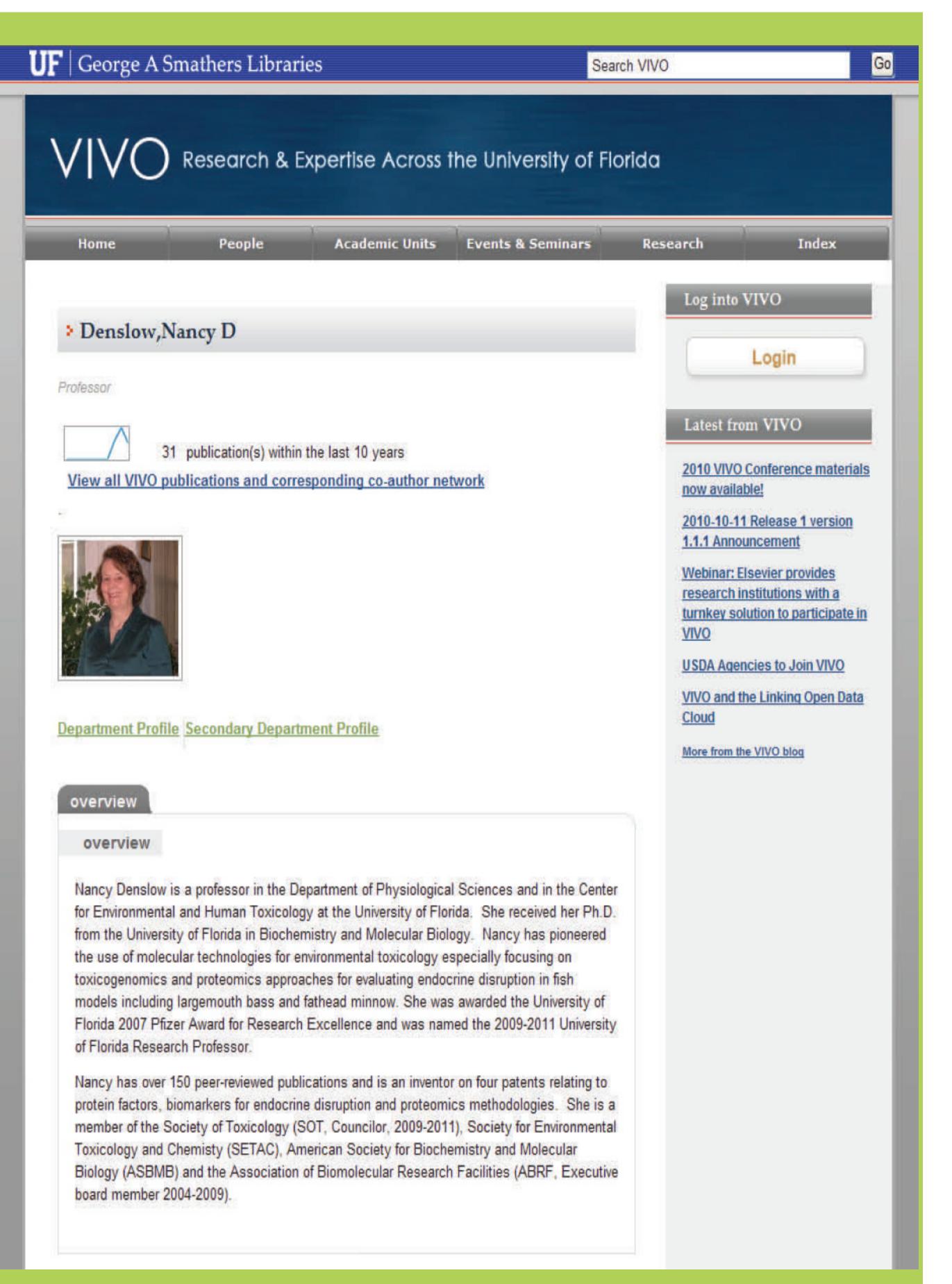- Serves as a central portal for browsing and searching research and scholarship at multiple institutions

VIVO Co-Author Visualization

VIVO provides network analysis and visualization tools to maximize the benefits afforded by the data available in VIVO

VIVO Profile Data

research interests • publications • grants • educational background • teaching • outreach activities • professional affiliations • awards and more

How VIVO is Different

Library Based

- Neutral, trusted institutional entities
- Expertise in information technology, management, and dissemination
- Subject experts with experience in outreach roles
- Knowledge of institutional, research, and instruction landscapes
- Service ethic with a tradition of academic support
- Recognition of challenges faced by various user communities
- Experienced in resolving data integration problems endemic to legacy systems

Librarians as Facilitators

- Provide oversight of initial content development, including identification of content types, ontology development, and interface refinement
- Negotiate with campus data stewards for publicly visible data
- Offer support and training at the local and national level, including documentation and help-desk support
- Engage with potential collaborators and participants
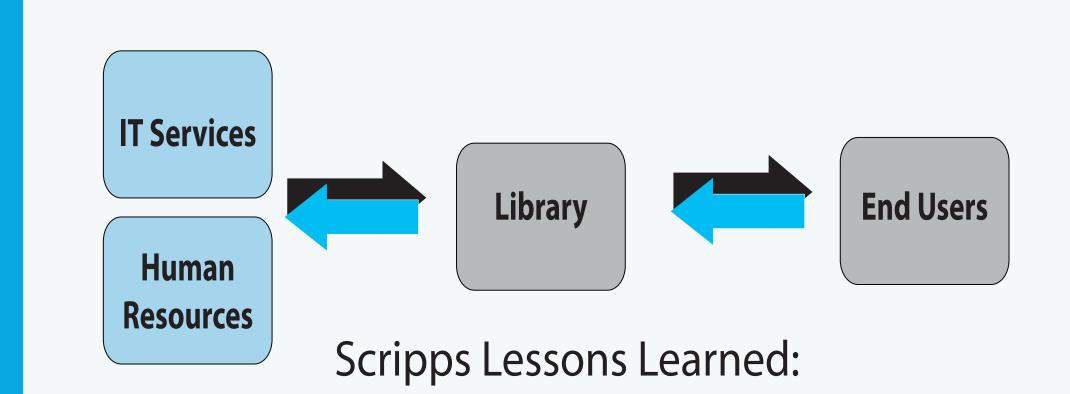- Create community of support via user forums

VIVO content and purpose are fundamentally different from information resources typically provided by libraries

VIVO	Traditional Library Resources
Information about people, institutions, and relationships	Information about library collections
Integration of published literature into author profiles	Published literature and the tools for locating it
Produced and supported locally	Produced and supported outside the institution
Dynamic online content that can be edited by individuals and institutions	Static online content
Educates institutional users on creating, finding, harvesting, and repurposing content	Educates library users on finding content
Quality control and improvement depends on user feedback gathered by local librarians	Quality control and improvement is the responsibility of the publisher or vendor
Access open to the public to enhance networking and data reuse	Access typically limited to users with institutional affiliation

Experiences at Our Institutions
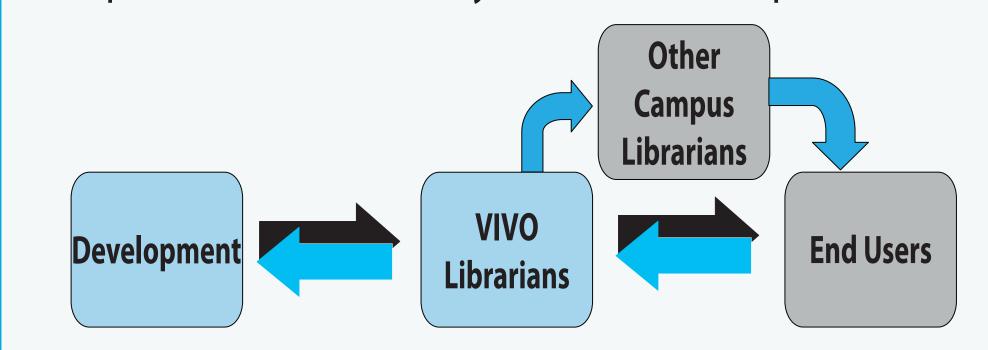
The Scripps Research Institute

At The Scripps Research Institute, we have created a single VIVO instance for our two campuses in California and Florida. The Scripps VIVO contains faculty profiles for 15 scientific departments, 11 centers and programs, and 16 research core facilities. TSRI's Kresge Library worked with IT Services and Human Resources to integrate their faculty data into VIVO profiles. In Spring 2011, we will add publications and grants, and begin outreach to faculty.

Scripps Lessons Learned:

Scripps has demonstrated that a small institution, with only 200 faculty, can successfully build a VIVO instance. A project of VIVO's scope impacts several administrative and research departments, so cooperation, communication, and flexibility are key elements for success. The Scripps VIVO is evolving to complement, not replace, the existing faculty research profiles on TSRI's institutional website.

The University of Florida

At the University of Florida, we have expanded the VIVO project campus-wide, creating profiles for all faculty within and outside the sciences. VIVO librarians are key mediators of information across this large group of stakeholders. We learn about changes to VIVO from developers and provide information and instruction to other campus librarians and end users. We also receive input from campus librarians and end users on potential improvements and relay it to the developers.

UF Lessons Learned:

Implementation at UF has involved IT as well as library professionals, and it has become clear that the two groups do not always speak the same language ("training" to the IT staff might actually seem like "testing" to the librarians). So patience and asking numerous questions are key. The incorporation of profiles from the entire UF campus (not just health care and sciences) will require buy-in and assistance from librarians across the university, as well as tweaks to the current ontology.

How You Can Become Involved

Learn more about VIVO:
http://vivoweb.org

Find out how your institution can participate:
http://vivoweb.org/participate

Join us on Facebook:
http://www.facebook.com/VIVOCollaboration

VIVO 2, August 24-26, 2011
Gaylord Hotel and Conference Center, Washington DC

Attend the 2011 VIVO Conference:
http://vivoweb.org/conference