VIVO is an open source semantic web application that enables the discovery of research and scholarship across disciplinary and administrative boundaries through interlinked profiles of people and other research-related information.

VIVO uses data ingested from institutional sources of record and external sources and can be supplemented with manual entry to populate detailed profiles of researchers with information related to publications, grants, educational background, research interests, teaching, awards, professional affiliations, and more.

Data in VIVO conform to a public ontology of types and relationships that can be extended for local needs via the ontology editor included with the VIVO application.

VIVO’s ontology supports faceted searching for quick retrieval of people, publications, grants, organizations, events, and research-related information.

Institutional VIVOs and other compatible profiling applications are producing data to form a rich network of information that can be searched to foster collaboration across institutions and enable open sharing of research discovery.

Who can use VIVO?

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.

- Create cross-disciplinary research teams
- Identify potential funding opportunities
- Recruit graduate students
- Locate focused publication content
- Assemble specialized review panels
- Plan budgets, services and resources

Visualizing Science

VIVO provides network analysis and visualization tools to maximize the benefits afforded by the data available in VIVO. VIVO enables high quality data to be revealed about researchers, their collaborators, their funding sources, and more, offering elegant visualizations of the research enterprise on the individual, local, and global levels.
Data Sources
VIVO uses data ingested from institutional sources of record and authoritative external sources (PubMed, Web of Science, and can be supplemented with manual entry. Harvester, an extensible data ingest and updating framework, reduces the burden on local implementation teams as they populate their local data stores with publication, grants, and human resources data. VIVO data conform to a public ontology of types and relationships that can be extended for local needs. VIVO’s ontology supports faceted searching for quick retrieval of people, organizations, events, and research-related information. Included in the ontology is a module representing research resources such as biological specimens, instruments, organisms, protocols, and research opportunities. This module is aligned with the top-level ontology classes and properties from the eagle-i Project (https://www.eagle-i.org/home/).

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

Semantic Search
A multi-site search feature allows users to access the rich data available in VIVO from people, papers, grants, events, organizations, and concepts. VIVO Search (beta) can provide full search of VIVO compatible sites and enable meaningful search across a series of semantically available endpoints.

Linked Open Data
By storing data in VIVO in RDF and using standard ontologies, the information in VIVO can either be displayed in a human-readable web page or delivered to other systems as RDF. This allows the open researcher data in VIVO to be harvested, aggregated, and integrated into the Linked Open Data cloud. SPARQL is an RDF query language which allows users to construct globally unambiguous queries, from across diverse data sources. A SPARQL query interface is included with the version 1.2 release.

Join us at the 2012 VIVO Conference
http://vivoweb.org/conference

Get Involved!
VIVO Open Source Community
VIVO enjoys a robust open source, open community space on SourceForge. The VIVO software and ontology are publicly available at http://vivo.sourceforge.net along with content that supports implementation, adoption, and development efforts around the world.

Follow the Project
http://vivoweb.org
http://twitter.com/VIVOcollab
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