Profile Management System: With Special Reference To VIVO

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Profile Management System: With Special Reference To VIVO

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Introduction

The Profile Management system isa web-based tool to organize research activities carried out by a researcher such as interests, skills, experience, expertise, mentor, projects, publications, etc. The profile management system act as knowledge management as well as discovery tool for the researchers, faculty, scientists, etc. within the institutions as well as across the institutions. Development of profile management system compatible with international standard is vital for any organization to showcase the research activities to the peer group or the funding agencies. There are number of proprietary and open source profile management systems are available with different features and functionalities in international level to meet any kind of institutions.

VIVO

VIVO is member-supported, open source software and an ontology for representing scholarship. VIVO supports recording, editing, searching, browsing, and visualizing scholarly activity. VIVO encourages showcasing the scholarly record, research discovery, expert finding, network analysis, and assessment of research impact. VIVO is easily extended to support additional domains of scholarly activities and when installed, populated with researcher interests, activities, and accomplishments by an institution. VIVO enables the discovery of research and scholarship across disciplines at that institution and beyond. VIVO supports browsing and a search function which returns faceted results for rapid retrieval of desired information. Content in a VIVO installation may be maintained manually, brought into VIVO in automated ways from local systems of record, such as HR, grants, course, and faculty activity databases, or from database providers such as publication aggregators and funding agencies.

There are diverse activities associated with the VIVO project, across federal agencies, academic institutions, professional societies, for-profit publishers, and data providers, as well as a variety of efforts with the semantic web and ontology development communities. Installation of VIVO requires **Operating System** such as Linux, HP-UX, Mac OSX and **Other prerequisite software** are Java, JDK 7/later, Apache Maven 3.0.0/later, Apache Tomcat 7/later, MySQL 5.7.13/later.

VIVO Features

- ➢ **Researcher Geographical Facility**
  Map locations based on VIVO researchers' reported areas of geographical focus.
- ➢ **Publications in VIVO also possible**
  These numbers are based solely on publications that have been loaded into this VIVO application. If this profile you can enter additional publications.
- ➢ **Co-Author Network also possible**
  This information is based solely on publications that have been loaded into the VIVO system.

➢ **Co-Investigator Network also possible**.

This information is based solely on grants that have been loaded into the VIVO system.

➢ **VCard and QR code also Possible**

Use the following code to embed a QR code containing this academic's details as a VCard object.

Use the following code to embed a QR code containing a link to this academic's profile.

➢ **Affiliated and Other Institutions also can be added**.

Select an organization to see the people and grants. Click the plus sign to display the sub-organizations within each organization.

➢ **Map of Science also possible**

VIVO's Map of Science visualization depicts the topical expertise a university, organization, or person has based on past publications loaded into VIVO.

> ➢ Collection wise information is also displayed
> ➢ Up Coming Events also displayed
> ➢ Author Profile and Integrated with ORCID ID
> ➢ It can maintain and update your profile easily
> ➢ Arrangement can be done in Alphabetical and Numerical

Benefits of VIVO

VIVO helps to Scientists, Clinicians, Administrators, Open Science & Discovery, Librarians, Students, Institutions and Others.

Benefits for Institutions

➢ Users can locate profile details by variety of search methods

➢ Enables to find research/researchers

➢ Search can be done variety of discipline

➢ Connect with colleagues

➢ Share research with other researcher/institution.

➢ Get statistics on published papers.

➢ Collaboration with other researcher/institution

➢ Popularize the institution research

➢ To get more visibility and more citations

Benefits for Librarians

➢ Will help them to stay in touch with their departments and integrate them into various research efforts

➢ The semantic web allows them to take our rich research output and make it available, reducing information boundaries

➢ Use information gleaned from VIVO to help in collection development and purchasing decisions

➢ Use information gleaned from VIVO to help in new services

➢ VIVO's ontology makes information easily findable

Benefits for Students and Researchers

➢ Find research opportunities

➢ Identify courses of interest

- ➢ Useful for recruiting new graduate students, trainees
- ➢ Find seminars of interest
- ➢ All data is linked within the context of a person - and that data can lead to other valuable sources
- ➢ You can individually brand yourself/research
- ➢ Links can help your search engine rankings rise quickly

Implemented Institutions at National and International level

Sl. No	Name of the Institution	Type of Institution	Country	Level	Access
1	Information and Library Network (INFLIBNET) Centre	Research Centre	India	National	Not Public
2	Vikram Sarabhai Space Centre	Research Centre	India	National	Not Public
3	University of Florida	Academic	United States	International	Public
4	American Psychological Association	professional society	United States	International	Public
5	Mountain West Research Consortium	Consortium	United States	International	Public
6	The Scripps Research Institute	Research Centre	United States	International	Public
7	United States Department of Agriculture	Government	United States	International	Public
8	Lagai Phone AB	consulting / service provider	Sweden	International	Public
9	Albanian Institute of Science	nonprofit	Albania	International	Public

Conclusion

The VIVO Profile Management tool is boon for every researcher, institution and organizations. The VIVO application enables the institutions to showcase the research activity of faculty and researcher. VIVO will be the helpful tool for the administrator to analyze the research focus area, progress of research and funding opportunities in National and International Level. Initiation of VIVO in India seems to be very budding stage hence, we recommend INFLIBNET should take care for the promotion of VIVO among the academic and R&D organization in India and also our LIS professionals to make aware of these profile management system in their institutions for the betterment of academic and research activities for the global reach.

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