

Introduction

The VIVO Project is soliciting input from its community regarding desirable features for future releases of VIVO and its ontology VIVO-ISF. You will have an opportunity to indicate which features you think should be a priority, and which features you would personally like to volunteer to work on.

Features will be presented in three groups: 1) end user features, that is, features for people who use VIVO in their work as faculty, staff, students, scientists, administrators, 2) stewardship features for those managing VIVO and VIVO data, and 3) technical features for those working on the VIVO software and ontology.

Please fill out as much of the survey as you can.

A VIVO task force will use the data you provide to help develop a roadmap.

We greatly appreciate your participation in VIVO and this survey. VIVO is a community effort. We need your help to improve VIVO for all!

Demographics

Before we start, we'd like to ask you a few questions about yourself so that we can contact you if you choose to volunteer to work on one or more features.

1. What is your first name?

2. What is your last name?

3. Institution/Organization/Company Name:

4. Are you (check all that apply)

- The VIVO member representative for your institution
- A member of the VIVO Leadership Group
- A member of the VIVO Steering Group
- A participant in one or more VIVO Workgroups
- A member of one or more VIVO task forces

Other (please specify)

*5. At what email address would you like to be contacted?

End User Features

For the features below,

1) Please select five or less end user features that you feel should be a priority for VIVO. If you feel none of the features should be a priority, do not check any boxes in the priority column. If you feel only two features should be a priority, check only those two. Do not select more than five features in the priority column.

2) Please check the box in the "Volunteer" column if you will volunteer to work on the feature.

6. For the end user features below, please check 0-5 features that you feel should be a priority for the next release of VIVO. Please check any number of features that you would volunteer to work on.

	Priority	Volunteer
Improve the interface, particularly regarding person profiles — more attractive, more focused on scholarship	<input type="checkbox"/>	<input type="checkbox"/>
Provide biosketch and CV output. Extensible standard formats such as NIH, NSF, CVN, Acumen, CASRAI	<input type="checkbox"/>	<input type="checkbox"/>
Ensure that VIVO profiles appear on screen in under 2 seconds	<input type="checkbox"/>	<input type="checkbox"/>
Improve the interface for non-profile items — fewer lists, more visualization, more data summary, drill down	<input type="checkbox"/>	<input type="checkbox"/>
Provide one button bi-directional profile update with other VIVO systems. That is, if a profile exists in two VIVO systems representing the same person, provide a mechanism for synchronizing the two profiles	<input type="checkbox"/>	<input type="checkbox"/>
Provide one button bi-directional profile update with ORCID	<input type="checkbox"/>	<input type="checkbox"/>
Provide one button bi-directional profile update with Fedora	<input type="checkbox"/>	<input type="checkbox"/>
Provide one button bi-directional profile update with SciENCV	<input type="checkbox"/>	<input type="checkbox"/>
Provide one button upload/download of a person's works to/from BibTex	<input type="checkbox"/>	<input type="checkbox"/>
Provide one button upload/download of a person's works to/from EndNote	<input type="checkbox"/>	<input type="checkbox"/>
Provide one button load of meta data from Figshare	<input type="checkbox"/>	<input type="checkbox"/>
Improve the manual editing interfaces — drag and drop a presentation to a profile, a PDF to profile, a photo to profile, draw connections between things (people to people, people to concepts, people to works)	<input type="checkbox"/>	<input type="checkbox"/>
Support personal annotation of anything in VIVO	<input type="checkbox"/>	<input type="checkbox"/>
Support grouping of anything in VIVO — define a group, add/sub from group, show group, email group.	<input type="checkbox"/>	<input type="checkbox"/>
Provide mobile interface — VIVO should have optimized presentation on phone and tablet	<input type="checkbox"/>	<input type="checkbox"/>
Provide the Duke embeddable widgets for non VIVO websites, bring VIVO content to other university sites	<input type="checkbox"/>	<input type="checkbox"/>
Support social network analysis — exports to SNA tools, simple SNA visualizations and metrics	<input type="checkbox"/>	<input type="checkbox"/>
Support for research impact analysis. Ontology extensions, and outputs for gathering and using research impact data	<input type="checkbox"/>	<input type="checkbox"/>
Repair/replace/augment all visualizations — put anything with a location on a map. Put anything with dates on a timeline. Put anything with connections in a dimension free network diagram. Use standard iconography to orient user	<input type="checkbox"/>	<input type="checkbox"/>
Reporting improvements — provide a suite of 50-100 queries which are presented as finished reports in CSV and PDF formats. Publications by department over time, grants over time. Course, grants, papers, by faculty per unit.	<input type="checkbox"/>	<input type="checkbox"/>
Provide cross site search capability	<input type="checkbox"/>	<input type="checkbox"/>
Provide a VIVO Searchlight application	<input type="checkbox"/>	<input type="checkbox"/>
Provide expert finding capability, including "people like me"	<input type="checkbox"/>	<input type="checkbox"/>
Provide alt metrics for scholarly works in VIVO	<input type="checkbox"/>	<input type="checkbox"/>
Provide single sign on using a user's ORCID and their ORCID password. Provides opportunity to host profiles for end users across institutions.	<input type="checkbox"/>	<input type="checkbox"/>

Comments -- please use the space below to elaborate on any of the end user features



Please check your work. You should have no more than five check boxes in the priority column on this page. If you have more than five, please reconsider your selections and choose no more than five. Thanks!

Stewardship Features

Each VIVO installation has people who help take care of it. These people may include data managers, project managers, help desk staff, developers and system administrators.

For the features below,

1) Please select five or less stewardship features that you feel should be a priority for VIVO. If you feel none of the features should be a priority, do not check any boxes in the priority column. If you feel only two features should be a priority, check only those two. Do not select more than five features in the priority column.

2) Please check the box in the "Volunteer" column if you will volunteer to work on the feature.

7. For the stewardship features below, please check 0-5 features that you feel should be a priority for the next release of VIVO. Please check any number of features that you would volunteer to work on.

	Priority	Volunteer
Simplify theming. Provide a simple theming option — logos, color, welcome text. Provide a full theming option — CSS control. Support theming improvements without having to rebuild	<input type="checkbox"/>	<input type="checkbox"/>
Include ingest from DOI. From a spreadsheet and manually.	<input type="checkbox"/>	<input type="checkbox"/>
Include ingest from PubMed. Given one or more PubMed IDs, add publication data including abstract, MeSH terms and grants cited to VIVO	<input type="checkbox"/>	<input type="checkbox"/>
Include ingest from ISBN. Given an ISBN, or a list of ISBN, use a standard data source to get attributes of the book in real-time and add to VIVO	<input type="checkbox"/>	<input type="checkbox"/>
Ingest from NIH Reporter	<input type="checkbox"/>	<input type="checkbox"/>
Ingest from USPTO	<input type="checkbox"/>	<input type="checkbox"/>
Ingest from grants.gov included	<input type="checkbox"/>	<input type="checkbox"/>
Ingest from clinicaltrials.gov included	<input type="checkbox"/>	<input type="checkbox"/>
Enforce data integrity from ontology (cardinality, domain and range). Prevent data from entering VIVO that is contradictory to the ontology	<input type="checkbox"/>	<input type="checkbox"/>
Provide a collection of open social plug-ins that can be augmented locally, and selected by end users at run time	<input type="checkbox"/>	<input type="checkbox"/>
Provide Karma scripts for ingest with guide and training for local implementation and customization	<input type="checkbox"/>	<input type="checkbox"/>
Use standard URIs, such as those from registry services, when possible, for shared entities rather than creating redundant local URIs. Examples include DOI, ORCID, DBpedia	<input type="checkbox"/>	<input type="checkbox"/>
Provide data analyst interfaces for SAS, SPSS and R. Include batch processes for exporting large amounts of data in formats ready to be used by data analysts	<input type="checkbox"/>	<input type="checkbox"/>
Provide standard input data sets for journals, universities, publishers, cities, dates. Possibly from WikiData. Provide a simple process for updating these data sets	<input type="checkbox"/>	<input type="checkbox"/>
Provide dot releases of software that do not require an upgrade	<input type="checkbox"/>	<input type="checkbox"/>
Provide dot releases of the ontology that do not require an upgrade	<input type="checkbox"/>	<input type="checkbox"/>
Load ontology from files that are automatically generated from VIVO-ISF, replacing the manually generated files that are loaded now.	<input type="checkbox"/>	<input type="checkbox"/>
Support technical assessment of VIVO through one button install, sample data, sample outputs, and guided tour	<input type="checkbox"/>	<input type="checkbox"/>
Allow better configuration of the user interface based upon annotations on the ontology	<input type="checkbox"/>	<input type="checkbox"/>
Add common local extensions into VIVO-ISF, reducing need for local extensions	<input type="checkbox"/>	<input type="checkbox"/>
Provide easier mechanism for both central and local extensions of the ontology, and easy import of modules relevant for the local VIVO instance	<input type="checkbox"/>	<input type="checkbox"/>

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|---|--------------------------|--------------------------|
| Provide latitude and longitude in ontology | <input type="checkbox"/> | <input type="checkbox"/> |
| Provide attribution ontology for indicating the role an individual played in the development of a scholarly work | <input type="checkbox"/> | <input type="checkbox"/> |
| Provide data citation capability | <input type="checkbox"/> | <input type="checkbox"/> |
| Provide software citation capability | <input type="checkbox"/> | <input type="checkbox"/> |
| Provide ontology extensions for support of humanities scholarship | <input type="checkbox"/> | <input type="checkbox"/> |
| Provide ontology extensions for support of provenance (data lineage) | <input type="checkbox"/> | <input type="checkbox"/> |
| Provide a store (catalog) of selectable third party web apps for inclusion in the interface | <input type="checkbox"/> | <input type="checkbox"/> |
| Support third party triple stores | <input type="checkbox"/> | <input type="checkbox"/> |
| Provide an ingest from SHARE Notify Harvester, populating VIVO with elements from SHARE. Some sites might populate their entire VIVO solely from SHARE Notify | <input type="checkbox"/> | <input type="checkbox"/> |

Comments -- please use the space below to elaborate on any of the stewardship features

Please check you work. You should have no more than five check boxes in the priority column on this page. If you have more than five, please reconsider your selections and choose no more than five. Thanks!

Technical Features

The VIVO software and VIVO-ISF ontology are improved through volunteer technical effort. Here are features regarding that effort

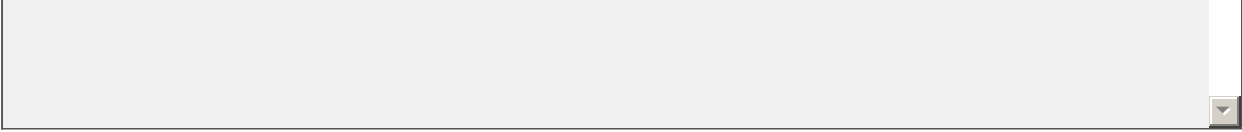
For the features below,

- 1) Please select five or less technical features that you feel should be a priority for VIVO. If you feel none of the features should be a priority, do not check any boxes in the priority column. If you feel only two features should be a priority, check only those two. Do not select more than five features in the priority column.
- 2) Please check the box in the "Volunteer" column if you will volunteer to work on the feature.

8. For the technical features below, please check 0-5 features that you feel should be a priority for the next release of VIVO. Please check any number of features that you would volunteer to work on.

	Priority	Volunteer
Move to Maven	<input type="checkbox"/>	<input type="checkbox"/>
Reorganize repos so that everything needed to develop and run VIVO is available from a single repo	<input type="checkbox"/>	<input type="checkbox"/>
Provide software from GitHub	<input type="checkbox"/>	<input type="checkbox"/>
Provide one button repo to IDE capability	<input type="checkbox"/>	<input type="checkbox"/>
Move to continuous integration	<input type="checkbox"/>	<input type="checkbox"/>
Move to Assembla	<input type="checkbox"/>	<input type="checkbox"/>
Move to Github issues	<input type="checkbox"/>	<input type="checkbox"/>
Include VIVO Vagrant with distribution	<input type="checkbox"/>	<input type="checkbox"/>
Continue modularization work	<input type="checkbox"/>	<input type="checkbox"/>
Continue separation of interface (view/controller) from model. Use API to put/get data from the VIVO backend.	<input type="checkbox"/>	<input type="checkbox"/>
Application plug-in capability — provide a simple mechanism for a web app to appear in VIVO.	<input type="checkbox"/>	<input type="checkbox"/>
Improve ontology extract and load	<input type="checkbox"/>	<input type="checkbox"/>
Integrate ontology and software development into a single open source process	<input type="checkbox"/>	<input type="checkbox"/>
Adopt a standard Javascript framework for developing future interfaces. New end user and steward features to be built with the new interface framework and reliance on the API.	<input type="checkbox"/>	<input type="checkbox"/>
Eliminate distinction between ontologies loaded at start-up and ontologies loaded at run-time. Support only run-time	<input type="checkbox"/>	<input type="checkbox"/>
Restructure code to use more information from the ontologies and store less business logic in the code	<input type="checkbox"/>	<input type="checkbox"/>
Provide a standard set of APIs that simplify and standardize the use of VIVO data in other applications	<input type="checkbox"/>	<input type="checkbox"/>
Provide a means for an API developer to register a new API	<input type="checkbox"/>	<input type="checkbox"/>
Provide a means for a web app developer to register a new web app	<input type="checkbox"/>	<input type="checkbox"/>
Remove features from the application that do not work — visualizations, CSV ingest, others.	<input type="checkbox"/>	<input type="checkbox"/>
Rewrite the custom editing forms to improve functionality and modularity	<input type="checkbox"/>	<input type="checkbox"/>
Provide a binary release for developers	<input type="checkbox"/>	<input type="checkbox"/>
Provide Docker as part of the standard distribution	<input type="checkbox"/>	<input type="checkbox"/>
Provide coding standards and code training	<input type="checkbox"/>	<input type="checkbox"/>

Comments -- please use the space below to elaborate on any of the technical features



Please check your work. You should have no more than five check boxes in the priority column on this page. If you have more than five, please reconsider your selections and choose no more than five. Thanks!

Thank you!

Thank you for your participation in the VIVO Roadmap Survey. Your feedback regarding the future of VIVO is invaluable to the construction of the VIVO roadmap.

We have a few questions regarding the process.

9. How long did this survey take you to complete?

- I did not complete the survey
- Less than 15 minutes
- 15 minutes to 45 minutes
- More than 45 minutes

10. How can we improve the survey in the future?

11. If you could add one feature to VIVO, what would it be?