VIVO application and Linked Open Data

VIVO has encountered many interesting issues with LOD including whether output should have different privacy or rights-related controls than what appears on a web page, how to facilitate finding all the data to harvest from a VIVO instance when there's no single hierarchical structure, the relative efficiencies and ease of querying a SPARQL endpoint over harvesting linked data requests, rich export features VIVO has developed to give people all of a person's publications or even their whole profile via a single linked data request, and ways of mapping from VIVO's ontology to standard ontologies like Bibo and FOAF in responding to linked data requests to make it easier for other applications to consume VIVO data.

The http://vivosearch.org site (written in Drupal) uses a Linked Data Index Builder developed to harvest from VIVO instances or any other source of RDF using the VIVO ontology, including Harvard Profiles (http://profiles.catalyst.harvard.edu). It will also be explained how LOD facilitates using VIVO in a multi-institutional context, using the example of VIVO on the Weill Cornell Medical College campus in New York City and the main campus in Ithaca. Linked data also factors into the use of VIVO by the American Psychological Association (http://vivo.apa.org) and its key to plans by two U.S. universities to build state-wide networks of academic, government, and commercial research organizations using VIVO.