2021-03-01 Ontology Interest Group Call
Monday March 1, 2021, 10 AM US Eastern Time

Connection Info


Resources

Ontology Interest Group Google Folder https://drive.google.com/drive/u/0/folders/1RGBh4fDZdpJdwy1UM08OPWwkcmVYrI0
VIVO Ontologies on Github: https://github/vivo-ontolgy
OBO Slack https://join.slack.com/t/obo-communitygroup/shared_invite/zt-kpkvg7x3-kz7DeGoYKiY~VGwKO0voQg

Attendees

- Melanie Wacker
- Mike Conlon
- Philip Strömert
- Christian Hauschke

Agenda

1. Work in Progress
   a. AEON - https://github.com/tibonto/aeon
   c. ORG – https://github/mconlon17/organization-ontology
   d. ADO - https://github.com/vivo-ontologies/academic-degree-ontology
   e. IDO – https://github/mconlon17/identifier-ontology
2. Identifiers
3. Next meeting: March 15 (time zone issues!)

Notes

- Philip shares his process on the AEON ontology.
- Philip is in the making of implementing suggested object property changes from Mike's review.
- We need functional "helper" classes & object properties, to be able to map the data contained in external databases that don't support the indirect BFO pattern (ro:has role some (aeon:contributor role and bfo:'realized in' some obi:'planned process').
  - Add functional subclasses to ncbi:'Homo Sapiens', obi:organization and bfo:'material entity', in order to name the nodes (=contributors) that are equivalent to the general logic of.
  - Fix the functional aeon:'has contributor' subproperties of ro:'has participant' similar to above, in order to name the edges (=has contributor & sub OPs).
  - Set the range of these functional properties to the functional subclasses.
  - If it is possible, these two steps should be generalised and automated using Taking shortcuts with OWL using safe macros. probably done later (nice to have high level dev task)
- ToDo
  - v0.3.0 = above described changes implemented
  - v0.4.0 = complete annotations for all terms: definitions, examples, elucidation, term editor, mark the ones that need to be replaced by external ontology later
  - v0.5.0 = Data properties need to be complemented with classes to be able to make statements about them later
  - v0.6.0 = have all most common mappings done using SKOS annotations (DataCite, OpenResearch, DBLP, WikiCIF, GND, Wikidata, Microsoft Scolar)
  - v0.7.0 = integrate needed terms from IDO, LANG & ORG
  - v0.8.0 = last big revision before v1 release (ask Christoph Lange & Lars Vogt?)
  - v0.9.0 = have persistent namespace set up (OSL service at TIB)
  - v1.0.0 = refactor term IDs to have ranges for similar terms? (better to start early to get a good range management for further distributed development.) Would mean no backwards compatibility!
  - write paper to publish AEON with Mike?, Christian, Christoph Lange & Lars Vogt?
- Discussion about IDO
- Open questions on how to deal with identifiers
  - Are identifiers registered or assigned?
  - They are minted in the dubbing (denoting) process by its participants, who have various degrees of authority in this dubbing process centrally registered or distributed identifiers
- But can we really generalize these various degrees of authority? E.g. 'drivers license number' might be registered against a central authority/registry in Germany or Europe
- What's interesting about Orgs who provide IDs, a) Authority and b) Metadata.
- Identifier registration is often times distributed between different parties, even if it is a central ID. Example: DOI, Twitter handle
- long discussion about handling of IDs, namespaces and resolvable URIs. Which components do we need?
  - Philip: Can we have subclasses of IRI (e.g. URI scheme & URI authority) as parts of those IDs which are resolvable online in a subclass expressions similar to CRIDs having as parts CRID symbol & CRID registry?
  - The actual, literal base URIs of such resolvable IDs could then maybe provided as distinct individuals to the ID class (e.g. "http://dx.doi.org/" & "https://doi.org/" for DOI)
- ToDo next
  - get IAO ID range for IDO terms
  - Mike Conlon talk to others who've worked on this domain