

2024-02-21 Ontology Interest Group Call

Meeting date	Attendees	Topics
21 Feb 2024	<ul style="list-style-type: none"> Christian Hauschke Philip Strömert Melanie Wacker Brian Lowe Georgy Litvinov Anna Kasprzik Benjamin Kampe 	<ul style="list-style-type: none"> Automatized ontology publishing with ODK in Github on the example of https://github.com/NFDI4Chem/VibrationalSpectroscopyOntology CiTO use in public / productive VIVOs

Agenda & Notes

- Ontology release tooling (SHACL validation, Github Actions, automated release notes etc.) - Philip Strömert
 - see also:
 - <https://nfdi4chem.github.io/VibrationalSpectroscopyOntology/odk-workflows/>
 - <https://oboacademy.github.io/oobook/reference/odk/>
 - What would need to be done, if VIVO were to be migrated to ODK?
 - install requirements (ODK Docker container and Make)
 - build import modules for all existing VIVO ontology dependencies probably the most time-hungry step as this might need some tweaking in the custom Makefile
 - copy native VIVO terms into vivo-edit.owl, imported terms will be there via the import modules
 - maybe think about, if you need/want a ROBOT tsv template pipeline as used in VIBSO
 - activate documentation build pipeline and edit docs to entail what you need for your contributors
 - make a release using the automated release build pipeline of ODK (`sh run.sh make prepare_release`)
 - publish new release
 - complete OBO tutorial for ODK: <https://oboacademy.github.io/oobook/tutorial/odk-tutorial-2/>
 - Philip started a migration in: <https://github.com/vivo-ontologies/vivo-ontology-ODK>
 - all edits are made on the `/src/ontology/vivo-edit.owl`
 - ODK configuration is done in the `src/ontology/vivo-odk.yaml`
 - possible parameters of this config yaml <https://github.com/INCATools/ontology-development-kit/blob/master/docs/project-schema.md>
 - import modules:
 - Philip already declared some standard OBO import: BFO, OMO, RO, IAO, OBI
 - BFO and OMO should always be mirrored as we want all of what is defined in them
 - already scraped all BFO declarations from the `/src/ontology/vivo-edit.owl` BFO dependency is clean
 - working on FOAF & VCARD import module
 - there are assertions on FOAF classes (annotations & subclassOf) living in the `/src/ontology/vivo-edit.owl` annotations can probably be deleted when already present in the FOAF source
 - VCARD:sound is declared as an DP but is originally an OP??? best to wait on cleaned up VIVO version before continuing the migration
 - Problems noticed so far:
 - first push led the [CI/CD to fail](#) because vivo is outside of the DL profile, which is considered a bad smell some axioms somewhere that can hopefully be dropped, see also <https://douroucouli.wordpress.com/2021/03/24/avoid-mixing-parthood-with-cardinality-constraints/>
 - owl:sameAs was declared as an OP deleted
 - there was a weird blank node axiom `AnnotationAssertion(owl:minCardinality _:genid2147483649 "1"^^xsd:nonNegativeInteger)` deleted
 - owl:DeprecatedProperty was declared as an OP deleted
 - owl:minCardinality was declared as an annotation property --> deleted
 - fixed in <https://github.com/vivo-ontologies/vivo-ontology-ODK/pull/1>
 - http://purl.obolibrary.org/obo/ARG_ terms with this namespace only exist in VIVO ontology why not mint it there instead then and not use these unresolvable IRIs?
 - about version history
 - this workflow depends on GitHub, so the better the PR and issue titles the easier it is to automatically let GH create a "what has changed" list from the merged PRs since the last tag, which will then be your release description
 - <http://robot.obolibrary.org/diff.html>
 - Q by Egon Willighagen on Mastodon: <https://mastodon.social/@egonw@social.edu.nl/111937329072554484> - Christian Hauschke
 - Who is using CiTO in VIVO, in production?
 - CiTO's partially in VIVO
 - some actual uses of it mentioned in <https://jcheminf.biomedcentral.com/articles/10.1186/s13321-024-00807-2> (in the references)
 - there was a lot of interest in the past around the launch of CiTO, but no productive use is known.
 - Could the data be parsed/queried/scraped for export to Wikidata?
 - potentially yes, but no prod instance is known, see above.

Ideas for future meetings

- Release of 1.17.X