

OEO Developer Meeting #63

Pads:

- Notes from last meeting: <https://etherpad.wikimedia.org/p/oeo-dev-62>
- Pad to this meeting: <https://etherpad.wikimedia.org/p/oeo-dev-63>
- Pad for next meeting: <https://etherpad.wikimedia.org/p/oeo-dev-64>

Date: 10.08.2023

Participants:

- Moderator: CH
- Main reporter: MS
- Next meeting organiser: MS --> next meeting will be on 07.09.2023 (!!)
- Developers with affiliation:
 - Mirjam (OvGU)
 - Christian (RLI)
 - Christoph (RLI)
 - Nele (OvGU)
 - Eugenio (DLR)
 - Geo (UniBremen)

Preparation:

- Read last protocol: <https://github.com/OpenEnergyPlatform/ontology/wiki/OEO-developer-meetings>
- Check issues for next release:
<https://github.com/OpenEnergyPlatform/ontology/milestones>
- Load software (GitHub, git, Protégé)

Agenda:

Announcement

New regular meeting room:

<https://meet.jit.si/OEO-DEV>

CH mails HF to adapt the room link

Organisational

- Check the open PR: <https://github.com/OpenEnergyPlatform/ontology/pulls>

Release

- Released 1.16.0 & 1.16.1 last week

- Use Protégé 5.6.1 from now on!

OEO Classes

- **import geo-ontology**

- context:
 - we want to collect all necessary geo terms for the factsheets.
 - discussion: <https://etherpad.wikimedia.org/p/oeo-geo>
 - summary:
 - ✓ place of publication
 - regionalisation isn't really a geo term, has its own issue <https://github.com/OpenEnergyPlatform/ontology/issues/1554>
 - structurally everything is there, what's missing is the actual countries/regions/places
 - suggestion: import an ontology!
- We want:
 - countries, regions, subregions, maybe city level, so users can select them when filling the factsheets
 - NUTS would be nice
 - country codes (z.B. D, DE, DEU,...) would be nice
- import candidates:
 - related issue: <https://github.com/OpenEnergyPlatform/ontology/issues/1336>
 - GAZ
 - <https://www.ebi.ac.uk/ols/ontologies/gaz>
 - pros:
 - obo foundry
 - includes apparently all countries and regions down to city level
 - cons:
 - no Codes
 - no NUTS, as far as I can tell
 - LCC "Languages, Countries And Codes"
 - <https://www.omg.org/spec/LCC/1.1/About-LCC>
 - pros:
 - countries and codes
 - cons:
 - not an obo foundry ontology(?)
 - NK: "Implementing the whole LCC ontology seems not so ideal because Geographic region from LCC is not well compatible with Spatial region in our

ontology. Neither equivalent class nor subclass captures the relation between the two. Also, the definitions of geographic region, country, etc. in the LCC are very circular and not really practical. One option would be to just use the Country codes or otherwise look for other ontologies, it depends a bit on what the goal is."

- questions to ontology experts:
 - how does an import work?
 - wiki entry on import
 - Is it possible to have the best of both worlds?
 - import the compatible GAZ and add somehow (semi-)automatically attach the country codes with/without links to LCC?
 - should we use a third alternative ontology?
 - EA: soll wirklich in die oeo importiert werden, oder einfach (z.B. in OEKG) direkt über IRI nutzen?
 - EA: Offizielle IRIs für Klassifikation der EU:
 - <https://ec.europa.eu/eurostat/de/web/nuts/linked-open-data> --> sollte verlinkt werden!
 - EA: <https://semiceu.github.io/Core-Location-Vocabulary/releases/2.0.2/>
 - Ermöglicht GeoSPARQL
 - Wäre super in Kombination mit Countries und CC
 - Idee: Projekt oder Masterarbeit
 - Eigenes [OEO-]Modul
 - GAZ und LCC/Country codes kombinieren
 - eurostat, Location Vocabulary
 - Codes als Annotationen oder Data Properties
 - @CH ggf als Teil der Diss
 - Kurzfristige Lösung: Entscheidung für einen ISO-Code, referenziert in OEKG, Metadaten (<https://github.com/OpenEnergyPlatform/oemetadata/issues/136>)
 - "has_study_region anonymous_node has_country_code IRI_zu_LCC-ISO-Code/NUTS"
 - Deklaration mit namespaces iso: nuts: o.ä.
 - checken, ob ISO und NUTS komplett kompatibel
 - @CH, CM: dokumentieren in Metadaten
 - @MS: Adel informieren wg OEKG, Dokumentation im issue
- **Distinguish (or not) between energy transfer and (specific) energy transformations [MS]**
 - <https://github.com/OpenEnergyPlatform/ontology/issues/1527>

- Status quo: exklusive definition
 - energy transformations: Prozesse mit unterschiedlichem Energieinput und -output (Energietyp).
 - energy transfer: Prozesse mit gleichem Energieinput und -output
- Problematische Implementierung, Frage ob das überhaupt sinnvoll ist
 - Viele Prozesse (in Realität alle?) sind sowohl transformation als auch transfer
 - Beispiel charging <https://github.com/OpenEnergyPlatform/ontology/issues/1622>
- Alternativvorschlag:
 - For specific energy transformations, the focus on the transformation of one kind of energy into another might be suitable.
 - Transformation von Energietyp A zu Energietyp B
 - However, for energy transfer, it might be more sensible to look at the sources and sinks instead, from which to which the energy is spatially transmitted.
 - Transfer von Objekt C zu Objekt D
 - @Alle: Thema im Issue anschauen und überlegen, dort weiter diskutieren
- **Finalize scenario subclasses:**
 - <https://github.com/OpenEnergyPlatform/ontology/issues/1329>
 - economic scenario --> wie im Issue vorgeschlagen
 - sufficiency scenario --> @LE nimmt es mit ans Öl
 - target driven scenario --> wie im Issue vorgeschlagen
 - explorative scenario: das gleiche wie policy scenario? --> @HF beinbeziehen
 - @MS: dokumentiert im issue
- **AC/DC current definitions (only if we have time):**
 - <https://github.com/OpenEnergyPlatform/ontology/issues/1632>

Moderator next meeting:

07th September MS

Collection of Tasks:

- Add something @A