**OEO Developer Meeting #54**

**Pads:**

- Notes from last meeting: https://etherpad.wikimedia.org/p/oeo-dev-53
- Pad to this meeting: https://etherpad.wikimedia.org/p/oeo-dev-54
- Pad for next meeting: https://etherpad.wikimedia.org/p/oeo-dev-55

**Date:**
**Participants:**

- Moderator: Eugenio
- Main reporter: Lukas
- Next meeting organiser: Christoph
- Developers with affiliation:
  - Eugenio (DLR)
  - Mirjam (OvGU)
  - Lukas (ÖI)
  - Martin (OvGU)
  - Alexander (OvGU)

**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*

*Organisational*

- Template - Example Topic [Name]
  - https://github.com/OpenEnergyPlatform/ontology/wiki/oeo-dev-meeting-etherpad-template
  - Note and comment
- Check the open PR: https://github.com/OpenEnergyPlatform/ontology/pulls

*Release*

- Release 1.14.0 scheduled for 2023-04-03

*OEO Classes*

- Template - Ontology Workspace (use for joint development) [NAME]
  - Add issue link
  - Collect related terms
  - Create an aristotelian definition

- ○ Find axioms
- Model-related issues -- also follow-up from OEO-SC where Patrick pointed out that we need more structed on the model-side of the OEO
  - ○ Axioms of model https://github.com/OpenEnergyPlatform/ontology/issues/1060
    - ▪ MS Prepares for next meeting
  - ○ Model classification https://github.com/OpenEnergyPlatform/ontology/issues/1128
  - ○ The definition of Model does not entirely encompass literature definitions https://github.com/OpenEnergyPlatform/ontology/issues/1444
    - ▪ EA prepares for next meeting
  - ○ Create an aristotelian definition
  - ○ Find axioms
  - ○ https://github.com/OpenEnergyPlatform/ontology/issues/1480
- Sector division subclasses https://github.com/OpenEnergyPlatform/ontology/issues/1449
  - ○ Is it sustainable to make a class for sector divisions emitted by different legal powers? (let's say for example that someone wants to include divisions from American Jurisdictions) PS: I just noticed the EPA uses CRF
  - ○ Aren't we missing key entities in the social module like legal organisation? (maybe organisation already covers this)
- bearers of specifically dependent continuants
  - ○ https://github.com/OpenEnergyPlatform/ontology/issues/1305
  - ○ proposed solution does not work
  - ○ 'has bearer' is entirely inherited
  - ○ another option: via 'bearer of'/'has characteristic' and subrelations
  - ○ sdc <= ((has_bearer some ic) OR ((has_bearer some energy) AND (role OR ...))

*OEKG*

*Other Topics*

- Infrastructure PRs
  - ○ Compilation order - https://github.com/OpenEnergyPlatform/ontology/pull/1475
    - ▪ By compiling owl first, the input files that are only owl will not be ignored in the oeo-full.xxx file
    - ▪ This PR also adds the artifacts of the pipeline availible to download
  - ○ Remove non-simple property restrictions - https://github.com/OpenEnergyPlatform/ontology/pull/1479
    - ▪ Changes a single class electricity grid
    - ▪ This is to make the owl profile of the ontology DL compliant.
  - ○ Add axiom closure as output of the ontology
    - ▪ https://github.com/OpenEnergyPlatform/ontology/pull/1465
    - ▪ Currently having issues with some types of axioms, namely:
      - ▪ DisjointClass
        - ▪ Martin tries Konclude reasoner.
          - ▪ https://github.com/konclude/Konclude
      - ▪ PropertyAssertion
        - ▪ Probably not necessary for our use cases
  - ○ Annotation provenance RO /IAO
    - ▪ https://github.com/OpenEnergyPlatform/ontology/pull/1473