

## OEO Developer Meeting #35

### Pads:

- \* Notes from last meeting: <https://etherpad.wikimedia.org/p/oeo-dev-34>
- \* Pad to this meeting: <https://etherpad.wikimedia.org/p/oeo-dev-35>
- \* Pad for next meeting: <https://etherpad.wikimedia.org/p/oeo-dev-36>

Date: 24.03.2022 10.00 am

### Participants:

- \* moderator: Kai
- \* main reporter: Christoph, Ludwig
- \* next meeting organiser: 05.05.22: Eugenio
- \* developers with affiliation:
  - \* Kai (IER)
  - \* Christoph (RLI)
  - \* Ludwig (RLI)
  - \* Janna (OvGU)
  - \* Alex (OvGU)
  - \* Vera (IER)
  - \* Hannah (Öko)
  - \* Eugenio (DLR)
  - \* Adel (OvGU)
  - \* Martin (OvGU)
  - \* Lukas (Öko)

### 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, DFN)

### Agenda:

\* Skip next OEO dev meeting #36 (07.04.22 & 21.04.22), due to SIROP project meeting and Easter holidays:

- \* Yes ++++++++ -> Next meeting on 05.05.2022
- \* No
- \* no opinion

#### \* Energy service demand [VS]

- \* <https://github.com/OpenEnergyPlatform/ontology/issues/1054>
- \* Energy services are those functions performed using energy which are means to obtain or facilitate desired end services or states.
- \* Examples for energy service demands: demand for transport of person or goods (in person/tonne-kilometres), demand for room heating, cooling --> demands for the end state of something which required some form of energy
- \* two proposals:
  - \* Something like: An energy service is a function of an energy to fulfill some requirements. ("Requirements" here as placeholder, needs better specification...)
  - \* An energy service demand is a demand for energy service.

- \* And then axioms: transport has function some energy service.
- \* An energy service is a process that uses energy and is a means to obtain or facilitate desired end services or states.
- \* energy service demand as process attribute of that process
  - \* demand is no attribute of service as a process; is something external from outside; process can satisfy the demand -> process realises the demand. Demand brings process in existence
  - \* Energy service as a function / doesn't work
  - \* Energy service demand -> dispositional entity (parent class); attribute of services / organisations / !agents!, realised in energy service consumption (which is a process)
    - \* type of process -> use of energy services
    - \* need for new direct disposition
      - \* (variant of energy carrier disposition)
      - \* label: "energy service demand"
      - \* definition:
        - \* An energy service demand is a disposition of an agent to use energy as a mean to obtain or facilitate desired end services or states.
    - \* example/editor note:
      - \* An example is the transport demand for goods or persons (e.g. in person/tonne-kilometres): Transporting a mass of 1 tonne or one person over a distance of 1 km.
      - \* An other example is the demand for room heating or cooling.
    - \* axiom: realised in (TODO: add to selection of used RO axioms; LE opens issue)
      - \* vs tendency?

- \* energy service demand for passenger-/ton-kilometre [VS]
- \* <https://github.com/OpenEnergyPlatform/ontology/issues/1055>
- \* Create an aristotelian Definition
- \* Find Axioms realised in the transport process
  - \* TODO: implement it as a subclass of energy service demand
- \* Annotation properties [JH]
- \* follow up issue by Lukas (maybe discuss in this meeting)
- \* <https://github.com/OpenEnergyPlatform/ontology/issues/617>
- \* <https://github.com/OpenEnergyPlatform/ontology/issues/973>
  - \* 21.02 LE comment
  - \* adding "has bearer" results in inconsistencies
    - \* sub-property has wider range than top-property
    - \* "has origin" causes inconsistencies
- \* missing RO axioms
  - \* continue discussion in issues
  - \* "energy" breaks things
- \* some axioms were implemented;
- \* Definition of projection [MS] - suggest to move to next meeting
- \* <https://github.com/OpenEnergyPlatform/ontology/issues/970>
- \* Summary: To distinguish Projection from Scenario.

- \* Different from forecast and prediction.
- \* maybe also look at 'calibration'/parametrisation issue while discussing?
- \* <https://github.com/OpenEnergyPlatform/ontology/issues/1040>
- \* Energy as commodity [MS, LE]
  - \* <https://github.com/OpenEnergyPlatform/ontology/issues/1030>
  - \* help from JH is appreciated :)
  - \* (electrical) energy is traded as commodity (even though it is not independent) but not physically touchable -> makes difference
  - \* commodity: "has role" only works for continuants currently
    - \* idea: extent the scope of what "has role" (originates from RO) covers
  - \* no objections -> ready for implementation
  - \* How to change RO definitions?
    - \* make changes in "import file"; similar process of changing it in protege
- \* Eugenio wants to pick up competency questions
  - \* identify what is desirable for OEO
  - \* meeting with LH
- \* Energy properties
  - \* if problems are caused by energy - extend to energy
  - \* repeat annotation note
- \* Release process
  - \* -> switch from milestones to "Github Projects"? Kanban - better project management
  - \* <https://github.com/OpenEnergyPlatform/ontology/milestones>
  - \* <https://github.com/OpenEnergyPlatform/ontology/projects>
    - \* topics will be milestones
    - \* releases (github project) can cover several milestones)
  - \* benefit:
    - \* milestones relate more to topics
    - \* projects intended to manage releases (Kanban - better project management)
  - \* yes +++++ -> Change until next release 2.5.22
  - \* no
- \* OEP ontology viewer
  - \* problems with the definitions, tree display is hard for newcomers, start with energy.
  - \* Add the elucidation, 'example of usage' ...
  - \* Don't start with entity but with an energy related term!
  - \* use the right bar for all Features and links!
  - \* Add links to the GitHub repo
  - \* Include the OEO version number in the viewer
  - \* Add the URL to each class in the OEP