

## OEO Developer Meeting #56

### Pads:

- Notes from last meeting: <https://etherpad.wikimedia.org/p/oeo-dev-55>
- Pad to this meeting: <https://etherpad.wikimedia.org/p/oeo-dev-56>
- Pad for next meeting: <https://etherpad.wikimedia.org/p/oeo-dev-57>

Date: 2023-03-23

### Participants:

- Moderator: Christoph
- Main reporter: Mirjam
- Next meeting organiser:
- Developers with affiliation:
  - Ulf (IEE; will join the meeting at about 10.30)
  - Mirjam (OvGU)
  - Christoph (RLI)
  - Carsten (DLR)
  - Eugenio (DLR)

### 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*

- LH found this:  
<https://nfdi4ing.pages.rwth-aachen.de/metadata4ing/metadata4ing/>
  - A large set of metadata keys in ontology terms
  - [CM] checks what could be useful
- And this: <https://github.com/varunshenoy/graphgpt>
  - An API to generate KG from text
- Emoji reactions don't trigger github notifications
  - trigger notification with comment + emoji optional

#### *Organisational*

- Check the open PR: <https://github.com/OpenEnergyPlatform/ontology/pulls>
- Many issues open that are partially solved and implemented. The remainders are kind of disregarded.
  - What do we do with them?
  - Neues Issue aufmachen für offene Fragen, alte Issues dafür schließen
- Idee Schaffung einer Qualitätsinstanz wie OBO Foundry für Energy/Klima-Ontologien

## Release

- The full ontology is not being delivered in the release assets
  - <https://github.com/OpenEnergyPlatform/ontology/issues/1476>
  - Rückfrage an Adel, daher nicht im nächsten Release berücksichtigt
  - Generell zu klären, wie vom Make-Prozess erstellte Dateien in das Release kommen
- Reminder: next release on April 30
  - currently 10 open issues
  - can this issue be closed since solved?  
<https://github.com/OpenEnergyPlatform/ontology/issues/1430>

## OEO Classes

- Add solid/liquid/gaseous portions of matter#1498
  - <https://github.com/OpenEnergyPlatform/ontology/issues/1498>
  - Background:
    - every matter should have -> state of matter & normal state of matter (0°C, 1bar)
      - water 0°C 1bar -> ice not liquid
    - goal was implement equivalent classes
    - normal state of matter well defined
  - Problem:
    - general state of matter not defined well
      - "gas has state of matter"
  - Goal:
    - correct logical errors in current OEO implementation, e.g.:
      - class: gas -> gaseous state
        - subclass: liquified gas -> liquid state
  - Proposed solution:
    - introduce multiple reference states
    - introduce temperature and pressure as classes  
<https://github.com/OpenEnergyPlatform/ontology/issues/1505>
  - On Reference conditions:
    - [https://www.tau.ac.il/~tsirel/dump/Static/knowino.org/wiki/Reference\\_conditions\\_of\\_gas\\_temperature\\_and\\_pressure.html](https://www.tau.ac.il/~tsirel/dump/Static/knowino.org/wiki/Reference_conditions_of_gas_temperature_and_pressure.html)
      - "Thee reference conditions must be specified when expressing a gas volume or a volumetric flow rate because gas volumes vary with the temperature and pressure of the gas. "
  - TODO
    - check for current implementation of: state & normal state
    - wait until  
<https://github.com/OpenEnergyPlatform/ontology/issues/1505> has been solved

- Electric vehicle related efficiency values/ Specific investment costs/ etc. (SEDOS)
  - <https://github.com/OpenEnergyPlatform/ontology/issues/1414>
  - What was the result of the discussion about rational values? Do we need the composed module for that?
  - EA Asks HG what applications does she have for electric vehicle efficiency.
- Storage Capacity
  - Is it necessary to have Battery storage capacity?
  - Are we missing a relationship between battery and storage capacity?
  - EA Prepares report on current state of storage/storage function axioms for 04.05.23

*OEKG*

*Other Topics*

Collection of Tasks:

- Add something @A