

## OEO Developer Meeting #51

### Pads:

- Notes from last meeting: <https://etherpad.wikimedia.org/p/oeo-dev-50>
- Pad to this meeting: <https://etherpad.wikimedia.org/p/oeo-dev-51>
- Pad for next meeting: <https://etherpad.wikimedia.org/p/oeo-dev-52>

Date: 2023-01-12

### Participants:

- Moderator: Mirjam
- Main reporter: Ulf
- Next meeting organiser: Eugenio
- Developers with affiliation:
  - Mirjam (OVGU)
  - Eugenio (DLR)
  - Lukas (ÖI)
  - Ludwig (RLI)
  - Fabian (OVGU)
  - Ulf (Fraunhofer IEE)
  - Grigore Stamatescu (Applied Research Solution/University Politehnica of Bucharest, Romania)
  - Iulia Stamatescu (Applied Research Solution/University Politehnica of Bucharest, Romania)
  - Didier Marin (with HODLNG); data engineering
  - Aisling Third, PhD, Semantic Web, Open University, UK; Ontology & Semantics expert for OTCnLNG (HODLNG+ARS)
  - JC Finidori (HODLNG founder); Blockchain startup focusing on LNG; with ARS: OTCnLNG project (EC Ontochain programme)
  - Christoph (RLI)

### 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*

- Welcome guests from University of Bucharest / HODLNG
- Special OEO-DEV meeting with the purpose to initiate the "composed module"
  - a module that contains useful / needed compositions of existing oeo

- classes
- requirements for SEDOS and SIROP
- january 25th at OVGU in presence --> Dev-Meeting on 26th January will take place, too
- participants: MS, CM, LE, FN, PK, EA?, LH
- Update of import module process:
  - <https://github.com/OpenEnergyPlatform/ontology/pull/1268> finally merged, original PR by MR
  - "bearer of" is now relabeled to "has characteristic"
  - replacing ro-module by ro-extracted (original RO classes)
  - introducing oeo-import-edits.owl as a unified module for all changes to imported concepts and properties
  - next steps:
    - apply this also to other imports
    - documentation in wiki

### *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>
- New usecase for the OEO
  - ONTOCHAIN <https://ontochain.ngi.eu/>
  - <https://ontochain.ngi.eu/content/otcnlng-single-origin-truth-provide-lng-buyers-and-sellers-decentralized-interoperable-view>
  - Focus on CO2-Emissions of the different process steps of the LNG lifecycle
  - Aim: Mapping ontology on Database, to validate data against ontology --> maybe extra meeting on this, technical issues involved

### *Release*

- Release 1.13. scheduled for 2023-02-01 (Wednesday)
  - Who does the release?--> LE, Eugenio, Christoph
  - Finish open PRs

### *OEO Classes*

- LNG and related terms [@Grigore Stamatescu]
  - Collect related terms:
    - LNG - Liquefied natural gas
    - Liquefaction process
    - Regasification process

--> Terms are relevant to OEO, start to discuss how to implement via Github-issues, LH invites to Project on Github, there provide Github-handles

- Key terms:
  - Carbon Neutral LNG
    - Define Carbon Neutrality
  - Carbon Offset
  - Gas Volume -> Is better to have Gas Mixture with Volume as a property (already in the ontology?)
  - Cargo Shipping Volume
  - Carbon Credits
- Definition of Model[EA]
  - <https://github.com/OpenEnergyPlatform/ontology/issues/1444>
  - This can have overlaps with the Factsheets discussions.
  - Using Minimal Extensional Mereology
  - Writing submission for FOIS 2023 around this topic, looking for co-authors.
    - 5~7 minutes presentation to invite collaborators.
    - It would be nice to have someone familiar with FOIS (for example Fabian) to know if it even makes sense to submit the paper there.
    - Software on Zenodo: Example PYPASA:  
<https://doi.org/10.5281/zenodo.3938042>
- Open questions / problems in #1362:
  - steam power unit
    - Current proposal: ~~A steam power unit is a power generating unit using steam.~~
    - Alternative proposal by LE: A steam power unit is a power generating unit that only has a steam turbine as turbine.
    - Agreed.
  - combined cycle gas turbine / combined cycle power plant (CCGT) (German: GuD)
    - Current proposal: A combined cycle gas turbine power plant (CCGT) is a power plant that has a gas turbine, a steam turbine, gas fired power units and heat recovery steam units as parts.
  - gas *fired* power unit
    - ~~Current proposal: A gas power unit is a power generating unit using gas~~
    - We already have gas fired power unit: A gas fired power unit is a power generating unit using gas as fuel.
    - gas power unit as alternative term
  - heat recovery steam unit (not needed yet)
    - Current proposal: A heat recovering steam unit is an energy transformation unit that recovers heat from steam.
  - heat recovery steam generator (not needed yet)
    - Current proposal: A heat recovery steam generator is an energy

- converting component that recovers heat from a hot gas stream
  - Alternative proposal in #1256: A heat recovery steam generator is a heat exchanger hat recovers heat from a hot gas stream.
  - New proposal, two classes:
    - A steam generator is a boiler that converts liquid water into steam.
    - A heat recovery steam generator is a steam generator that contains a heat exchanger hat recovers heat from a hot gas stream.
  - Abgleich mit SEDOS-Projekt ob die Detailtiefe benötigt wird
  - Steam power unit und alternative Term implementieren, alles anderer erstmal rauswerfen. PR fertig machen, GuD-Issue offenlassen.
  
- Review Workflow best practices
  - bitte kurz zusammenfassen

## *OEKG*

### *Other Topics*

- FOIS 2023 in Sherbrooke: <https://fois2023.griis.ca/fois-2023-call-for-papers>
  - Deadline for submissions 31.01.23
- Heute OEFamily-SC Meeting
- Nächstes OEO-SC am 9.2
- Competency questions --> was wollen wir damit? wie nutzen wir das OEO? --> Innovationspotenzial für OEO

### Collection of Tasks:

- Provide GitHub-Handles to Ludwig @Iulia
- Open new GitHub-Issues on the LNG terms @Iulia
- den Großen PR #1362 aufteilen und fertigen Teil implementieren @?