

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 @?