

OEO Developer Meeting #31

Pads:

- Pad to this meeting: <https://etherpad.wikimedia.org/p/oeo-dev-31>
- Pad for next meeting: <https://etherpad.wikimedia.org/p/oeo-dev-32>
- Notes from last meeting: <https://etherpad.wikimedia.org/p/oeo-dev-30>

Date: 27.01.2022, 10:00 -- 12:00 a.m.

Participants:

- moderator: ~~MS~~ LH
- main reporter: HF
- next meeting organiser: MS

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:

- Protégée has some issues with Java at DLR
 - There is a working windows version of protégée
- OEO development general:
 - We celebrated the 1000th issue/PR on jan 21st in the OEO GitHub repository! Yay!
 - Next release: 1.9 planned for March 2022
- OEO-SC-Meeting - state of the development? 17.2
 - We celebrated the 1000th issue/PR
 - provide inputs to Ludwig via email if there is something that should be discussed there or you would like to participate
- Technical issues with DFN:
 - P.S. can we use Zoom for future meetings? - the DFN conference room is not working for everyone. (Add to agenda for next meeting to determine this)
 - Teams ok? <https://teams.microsoft.com/l/meetup-join/19:24e07cd5e1f54ec293a856ac1d5a63f0@thread.tacv2/1643271687344?context=>

[%7B%22id%22:%22f930300c-c97d-4019-be03-add650a171c4%22,%22oid%22:%2248735157-a6a4-4009-b904-a13f887f9f5a%22%7D](#)

- Starting next time - use teams as default room. MS to change appointment
 - Try to set it up that there is a phone number in the calendar appointment too

- Need for documentation of how ENERGY was classified (as quality, not as independent continuant) and axiomatised in the OEO and the consequences of the decision. Last examples for confusion: #994 and #998
 - has energy input / has energy output to resolve confusion.
 - some checks still don't go through, some further checks needed
 - broader need for documenting hard choices better
 - WIKI of OEO as a good place - note that regular maintenance needed to keep informatio up to date
 - Document this issue in WIKI:
 - Consider also updating contributing.md to include this wokflow implementation
 - LH can check and update contributing.md

- Which LaTeX-syntax should be used? If one backslash is used in Protégé, two backslashes occur in GitHub: https://github.com/OpenEnergyPlatform/ontology/pull/997#discussion_r791477111
 - Issue: <https://github.com/OpenEnergyPlatform/ontology/issues/987>
 - add examples in annotation property for how to express
 - formulas
 - classes
 - Variable names with underscores should be avoided, e.g. gross_national_electricity_consumption
 - Alternative 1: lower dromedar case, e.g. grossNationalElectricityConsumption
 - Alternative 2: (upper) camel case, e.g. GrossNationalElectricityConsumption ++ +++
 - decision for upper camel case
 - Document in Wiki and add an example to the expression (LH)

- keep in mind limitations of clickability in protege (potential protege bug) when 1st and second classes have more than one word: <https://github.com/OpenEnergyPlatform/ontology/issues/995>

- <https://github.com/OpenEnergyPlatform/ontology/issues/617> --> JH
 - postpone: put on agenda in around one month time to consider work that will be done until then

- Restructuring of biofuels: <https://github.com/OpenEnergyPlatform/ontology/issues/872> --> LE, KS
 - postpone to next meeting

- <https://github.com/OpenEnergyPlatform/ontology/issues/891>
 - https://ens.dk/sites/ens.dk/files/Statistik/technology_data_catalogue_for_el_and_dh_0009.pdf#page=224 --> p. 224
 - Investment eøst
 - parent: cost

- *Initial proposal: Investment costs are costs, beyond the research and development phase, associated with capital improvements, including the acquisition and development of land, the design and construction of new facilities. --> too specific with regard to power generating plants*
- Adjusted proposal: *Investment is a long-term commitment of financial resources in tangible or intangible assets.*
- Alternative term: investment cost, capital investment cost, fixed investment cost

- ◦ ◦
 - Background info:
 - FIBO definition of investment relates to property only: <https://spec.edmouncil.org/fibo/ontology?searchBoxQuery=investment>
 - Gabler on Investition:
 - langfristige Bindung finanzieller Mittel in materiellen oder in immateriellen Vermögensgegenständen (<https://wirtschaftslexikon.gabler.de/definition/investition-39454>)
 - translation: long-term commitment of financial resources in tangible or intangible assets

- ◦ ◦ Fixed operation & maintenance cost
 - parent: cost
 - **Definition:** *Fixed costs are costs for operation and maintenance that do not vary with the amount of goods or services produced.*
 - Examples: rent, regular technical maintenance cost, staff cost, certification cost
 - alternative terms: fixed operation & maintenance cost
 - Background:
 - Fixe Kosten: Kosten, die von der jeweils betrachteten Einflussgröße bzw. Entscheidung unabhängig sind, d.h. Kosten, die sich nicht mit der jeweils betrachteten Einflussgröße ändern. (<https://wirtschaftslexikon.gabler.de/definition/fixe-kosten-33359>)
 - oemof-Model: https://oemof-solph.readthedocs.io/en/latest/_modules/oemof/solph/options.html?highlight=fix%20costs

- ◦ ◦ Equipment cost:
 - parent: investment
 - **Definition:** *Equipment costs are investment costs for acquisition of the components and machinery including environmental facilities.*

- ◦ ◦ Installation cost:
 - parent: investment
 - **Definition:** *Installation and development cost are investment costs incurred for setting up the installation.*

- Example: costs that occur for becoming operational
- Alternative: site development cost

- ○ Grid connection cost:
 - parent: investment
 - *Definition: Grid connection costs are investment costs for establishing the grid connection from the energy generating device to point of connection to national grid.*

- ○ Property cost:
 - parent: investment
 - *Definition: Property costs are investment costs arising from the acquisition of a property.*
 - Alternative: land cost

- ○ Decommissioning cost:
 - parent: investment
 - *Definition: Decommissioning costs are investment costs arising from the decommissioning of a technological device at the end of its lifetime.*

- Next steps
 - Update the issue and implement (HG + Kai)