

OEO Developer Meeting #86

Pads:

- Notes from last meeting: <https://etherpad.wikimedia.org/p/oeo-dev-85>
- Pad to this meeting: <https://etherpad.wikimedia.org/p/oeo-dev-86>
- Pad for next meeting: <https://etherpad.wikimedia.org/p/oeo-dev-87>
- Pad template: <https://github.com/OpenEnergyPlatform/ontology/wiki/oeo-dev-meeting-etherpad-template>

Date:

Participants:

- Moderator: NK
- Main reporter: Christian Hofmann
- Next meeting organiser: Lukas Emele
- Developers with affiliation:
 - NK (OvGU)
 - AW (OFFIS)
 - MS (OvGU)
 - LE (ÖI)
 - EA (DLR)
 - CH (RLI)
 - US (KIT)
 - LE (ÖI)

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

- Next interoperability meeting on Sept 30, 10 a.m.

Organisational

- OEOX: GUI is growing, units will soon be addable
 - will be in next release
 - can create units, will automatically create label
 - OEO pages adapted
 - saves on OEP as owl files

- questions to discuss in future
 - how to update github from OEP?
 - how to do versioning of OEOX?
 - units in OEO should soon be finished: discuss how to proceed here

Release

- Release 2.5.0 scheduled for 2024-09-23 oder 24
 - <https://github.com/OpenEnergyPlatform/ontology/releases>
 - Release team: Lukas, Mirjam

OEO Classes

- **restructure quantity values [MS, NK, all]**
 - <https://github.com/OpenEnergyPlatform/ontology/issues/1875>
 - <https://github.com/OpenEnergyPlatform/ontology/issues/1871#issuecomment-2272756254>
 - Some classes are currently classified as quantity values, but should be actually quantities/qualities:
 - **cost**
 - <https://github.com/OpenEnergyPlatform/ontology/issues/1902>
 - process attribute? yes
 - The current definition of cost in the OEO is: Cost is an economic value that describes the amount of money needed to buy, make, or do a thing.
 - New definition proposal: Cost is a process attribute that describes the amount of money needed to buy, make, or do a thing.
 - Cost subclasses tbd in <https://github.com/OpenEnergyPlatform/ontology/issues/1914>
 - **monetary price** (incl. subclasses)
 - <https://github.com/OpenEnergyPlatform/ontology/issues/1902>
 - current definition: *"A monetary price is an economic value that describes the amount of money requested, expected, required or given in exchange for something else."*
 - 'amount' not optimal because not countable unlike monetary value
 - synonyme Geldbetrag / amount of money
 - Implement new definition: *A monetary price is a quality of a good that indicates the value in terms of the amount of money requested, expected, required or given in exchange for something else."*
 - **monetary value:**
 - amount of money als alternative label!
 - Definition proposal: A monetary value is a quantity value (or economic value) that states the amount of money specified in monetary units.

- definition source:
 - <https://spec.edmcouncil.org/fibo/ontology/FND/Accounting/CurrencyAmount/AmountOfMoney> and
 - <https://spec.edmcouncil.org/fibo/ontology/FND/Accounting/CurrencyAmount/MonetaryAmount>
- Axiom proposal: Quantity value of some cost/price
- **(specific) space requirement**
 - We have **specific space requirement**: *A specific space requirement is a quantity value that indicates a certain space requirement per nameplate capacity.*
 - We have **space requirement**: *A space requirement is a two-dimensional spatial region that covers the area needed by an object or object aggregate.*
 - I'd argue
 - that the **space requirement** is the quantity (not a spatial region!).
 - that the **specific space requirement** value is probably a relational quantity value (which we've planned to define, see above).
 - 'material entity' 'has quality' some 'space requirement'
 - 'space requirement' 'has quantity value' some ('area value')
 - **space requirement**: *A space requirement is a quality that covers the area needed by an object or object aggregate.*
 - discussion about 2/3 dimensional space -> relate to area now, if needed add 3 dimensional space and create new upper class later
- **size vs. amount**
 - <https://github.com/OpenEnergyPlatform/ontology/issues/1896#issuecomment-2326270680>
 - size: Size is a quantity that quantifies the spatial extend/physical magnitude of an entity on a linear scale.
 - an eine entity geknüpft
 - "quantity of an [entity]"
 - Size is a quantity of an entity that quantifies its spatial extend.
 - @NK implements
 - The amount a quality of a whole that is the number of entities that are part of the whole.
 - an mehrere entities geknüpft
 - An Amount is a quality of an object aggregate that counts the number of entities that form the object aggregate.
 - @NK implements
- Note we won't be able to define all: size amount quantity. there will need to be external terms

- units transform uncountables countable
 -
- **unit PR [LE, MS]**
 - <https://github.com/OpenEnergyPlatform/ontology/pull/1892>
 - disagreement over what's what and the interpretation of the current definition
 - discussing two things: bring back original definition of uo:unit / does the classification of oeo:unit as generically dependent continuant fundamentally fit our structure
 - may need to look at what unit and dimension mean in literature
- **bugs in github workflows related to github projects**
 - https://github.com/OpenEnergyPlatform/ontology/tree/dev/._github/workflows
 - <https://github.com/orgs/OpenEnergyPlatform/projects/45/>
 - maybe occurs due to sunset of "old" projects (classic)?
 - can someone solve this quickly?

▪

OEKG

Other Topics

- The EU has an ontology/vocabulary for skills and qualifications
<https://esco.ec.europa.eu/en>
 - It seems that they used some sort of KI to build it
 - It has some bumpy parts and is very large

Collection of Tasks:

- Add something @A

