

# OEO Developer Meeting #12

**Date:** 2020-12-09 14:00 - 18:00

**Pad:** <https://etherpad.wikimedia.org/p/oeo-dev-12>

**Participants:** Lukas, Mirjam, Christian, Carsten, Kevin, Simon, Michaja, Vera, Martin, Hannah (partially), Janna, Anna

**Moderator:** Christian

**Protocol:** Hannah, Christian (other volunteers encouraged for next time)

**next meeting organiser:** forgot to assign! Christian will take over

## Preparation:

Read last protocol:

<https://etherpad.wikimedia.org/p/oeo-dev-11>

( <https://github.com/OpenEnergyPlatform/ontology/wiki/OEO-developer-meetings> )

Check issues for next release: <https://github.com/OpenEnergyPlatform/ontology/milestones>

## Agenda:

### OEO-Paper

Update from Magdeburg (@Janna, Meisam) ESWC paper (ontology experts focus)

Text draft is in overleaf: <https://www.overleaf.com/project/5eaa83bbe42ba0000124cd25>

New evaluation section

Finish whithin next week!!

Input needed:

Energy Systems domain, introduction, Challenges in development should be added

Please add comments in broad outline and have a look at todos:

**@Lukas/Vera/Hannah/Mirjam/Carsten**

structure and modules will be abbreviated

How to proceed with rejected EMP-E-Paper (domain focus)?

harsh rejection, because it should have been part of special issue which was not successful  
may not be interested in data papers

possibly rather conservative with respect to paper structure even in view of special issue

What could we do?

adjust to more traditional paper structure?

rewrite introduction section?

find another journal for publication? E.g. Energy strategy reviews

(<https://www.journals.elsevier.com/energy-strategy-reviews> )

ask steering committee for suggestions/guidance  
strategically it would be good to have the paper out rather soon for clear reference ++

### **possibly check new journal: energy and ai**

<https://www.journals.elsevier.com/energy-and-ai/>

(Article Processing Charges waived for submissions before 31 January 2021 --> might be realistic)

as journal is new then maybe review turnaround is still quick  
if we submit here, mention the other ontology that already published there  
adjust introduction to include more state of the art research, including the ontology article there  
note: as it's a pretty new paper it has no impact factor yet  
benefit of quick review  
benefit of open access

**everybody agrees that this is a good idea**

### **Todos:**

rewrite related work part and cite other ontology article

@CH makes a serial appointment until 31st January (starting January 13), CH figures something out :-)

## **Linkage with openENTRANCE / IIASA**

CH war in Diskussionsrunde mit Daniel Huppmann von IIASA (openEntrance, pyam-iamc) FAIR-DATA Convergence Symposium. Sie haben ein python paket, das mit der Funktion `validate()` was schaut, ob die nomenclatur (<https://github.com/openENTRANCE/nomenclature>) ihren vorgaben entspricht. sowas wäre sinnvoll für die ontologie zum mappen bzw auch für omi (bessere Fehlerausgabe). macht es sinn soetwas parallel zu entwickeln? wie funktioniert der zuweisungsschritt datenteil -> ontologie. wie sieht so eine schnittstelle aus? vielleicht jemand vom databus?

you can use a dictionary built from the ontology from - available for biology ontologies  
developing a prototype wouldn't be too much work  
making it clever would require more work  
work could be combined with IIASA or we could start our own package

## **Next release v1.3.0, scheduled for 2020-12-15**

Moved from 1st to 15th December to solve some more issues

The next release is then scheduled for February/March

Status: <https://github.com/OpenEnergyPlatform/ontology/milestones/oeo-release-1.3.0>

Import issues closed, rework of energy subclasses, radiation, energy density, some issues related to energy still open -> partially discuss later today; see below

energy related terms: energy carrier electricity heat primary, final, secondary energy carrier, concept related to quantification of emissions, global warming potential, CO2 equivalent

## Forschungsnetzwerk Energie

(18-19 o. 20.Mai 2021), Workshop zur Ontologie

Note: Einreichungen müssen bis 16.12.2020 gemacht sein.

workshops are usually 2h long

Idee aus LOD-GEOSS heute morgen:

Tutorial: How to participate?

Eine Art OEO-Dev Meeting für ein oder zwei Issues?

wichtig: gut vorbereiten. Angst nehmen. Mitmachen ermöglichen. einfaches(!) Issue nur als exemplarisches Beispiel

Flyer als Link (Einstieg erleichternde Handreichung)

Überlegung ob Video-Nacherzählung von workshop sinnvoll

Similar Idea from SzenarienDB

we could combine ideas

better: **have consecutive workshops**. it takes quite some time to explain to people how to participate, so it should be its own session

first a session on oeo and bundles and afterwards the practical session

**@CH mentions MS and references the original workshop**

## Info from strategy meeting (@Anna, will join 3pm)

Anna's presentation

still todo: ask for volunteers to test new process

more productive meetings

preparation by two people

whiteboard-app

more breakout groups

define concepts without labels

Anna sends presentation to CH

setting up discord server?

its a communication server - like a big chat with also voice chat option

nice for decentralized discussions, but there are restrictions for use of such services (unless there is a webinterface), there are data security implications

new GitHub discussion option. Any experiences anyone?

**Research GitHub discussions for next time**

## How to proceed with FIBO terms? (@ Janna, Anna)

What is the latest status?

We came to this issue when discussing the factsheets

the idea is to (semi-)automate integration, once its filled out in the spreadsheets

<https://next.rl-institut.de/s/DTmF6ncxgtLFAfx>

template operation to import everything from the spreadsheets

**next step: implement green terms (@Janna)**

**discuss other terms in next meeting**

## short break

### Issues to discuss:

# 381 electricity <https://github.com/OpenEnergyPlatform/ontology/issues/381> --> @Mirjam

electricity: use all proposed terms as synonyms

electricity is a vague term

proposal 1: A collective term "electricity"

**proposal 2: Use electricity as an "alternative term" for classes like "electrical energy", "electric current", ... (only "electrical energy" is included in the ontology)**

proposal 3: leave it out completely

#### **vote on proposal 2:**

7 agreements 1 disagreement

majority agrees on proposal 2

**@Lukas** implements it

Do we need an definition update for alternative term? => Discuss separately

definition of "alternative term": [http://purl.obolibrary.org/obo/IAO\\_0000118](http://purl.obolibrary.org/obo/IAO_0000118)

#407 Energy carrier <https://github.com/OpenEnergyPlatform/ontology/issues/407> --> @Mirjam

what exactly is the disagreement on energy carrier disposition?

The case for heat: ('material entity' and bearer\_of some 'thermal energy') has\_disposition some 'energy carrier disposition' (anonymous class "a hot thing")

The case for electricity: ('material entity' and bearer\_of some 'electrical energy') has\_disposition some 'energy carrier disposition' (anonymous class "a charged thing")

The case for potential energy: ('material entity' and bearer\_of some 'potential energy') has\_disposition some 'energy carrier disposition' (anonymous class "an elevated thing")

The case for kinetic energy: ('material entity' and bearer\_of some 'kinetic energy') has\_disposition some 'energy carrier disposition' (anonymous class "a moving thing")

**@Janna:** should we actually create those anonymous classes or were they just examples for us and solve it via axioms of energy?

proposal: 'energy carrier' equivalentTo 'material entity' and has\_disposition some 'energy carrier disposition'

We may link every energy to some carrier:

`energy` inverse(bearer\_of) some (`material entity` and has\_disposition some `energy carrier disposition`)

Subclasses stay for the moment

**@mirjam** pflegt ins issue ein.

**vote:** OEO Def: An energy carrier disposition is a disposition of an material entity that contains energy for conversion as usable energy.

6 in favour 0 disagreements

kleine Runde zum diskutieren und abschließen

The next topics were scheduled, but there was no time to discuss them. They will be discussed in the next meeting

**#420** GWP <https://github.com/OpenEnergyPlatform/ontology/issues/420> --> @Lukas

Summary of discussions so far:

<https://github.com/OpenEnergyPlatform/ontology/issues/420#issuecomment-738765395>

special meeting with Lukas, Mirjam and Simon

Use cases:

Meisam: Annotation of Klimaschutzszenario

LOD\_GEOSS ?