

OEO Developer Meeting #37

Pads:

- Notes from last meeting: <https://etherpad.wikimedia.org/p/oeo-dev-36>
- Pad to this meeting: <https://etherpad.wikimedia.org/p/oeo-dev-37>
- Pad for next meeting: <https://etherpad.wikimedia.org/p/oeo-dev-38>

Date: 19.05.2022

Participants:

- moderator: Lukas
- main reporter: Ludwig
- next meeting organiser: Mirjam & Hannah
- developers with affiliation:
 - Lukas (Öko-Institut)
 - Eugenio (DLR)
 - Christoph (RLI)
 - Ludwig (RLI)
 - Carsten (DLR)
 - Janna (OvGU)
 - Markus (OVGU)
 - Mirjam (IEE)
 - Hannah (Öko-Institut)

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:

- Prioritise the agenda
 - Organisation [ORGA]
 - Topics: Group topics
- **[ORGA] Release process**
 - Lessons learnt from the last release
 - before release day
 - 1 week: check issues and decide what goes into release
 - 1-2 days: check issues again and decide what goes into release
 - on release day

- start in the morning to ensure enough time for review
 - make sure that three people from the oeo-release-team have capacity to review and accept merge from release branch to master branch
 - Are three persons needed?
 - Yes, 1 opens the PR, 2 approvals needed
 - For review process
 - guideline for review needed
 - changelog, reasoning in protégé ...
 - decide beforehand if release should actually happen on release day
 - What is missing in the wiki article? @CM updates wiki
 - <https://github.com/OpenEnergyPlatform/ontology/wiki/How-to-release-a-new-ontology-version>
 - Step 1. Instructions of how to handle open release milestone issues on release day, e.g. move to next release milestone
 - Step 2. needed more clarity -> seems like it was changed already
- **[ORGA] Commits and pull requests**
 - Commit messages:
 - How to write commit messages: <https://cbea.ms/git-commit/>
 - Usage of emojis in commit messages?
 - originated from (<https://www.conventionalcommits.org/en/v1.0.0/#summary> + <https://github.com/folke/devmoji>), but will not be used further
 - Write a good commit message:
 - "If applied, this commit will ..." (-> Add, Update, Delete)
 - Please avoid names like (Fix,
 - Follow existing conventions for commit messages
 - Keep the subject line shorter than 50 characters
 - Do not commit more than a few changes at the time: atomic commits
 - Use imperative
 - Start with a capital letter, but do not end the commit message with a period :
 - Always end the commit message with the issueNumber including the "#"
 - Examples of commit message:
 - Add function with some method #42
 - Update documentation for commit messages #1
 - Task: Add this to the CONTRIBUTIONG.md @LH
- **[ORGA] PR description**

- Good example:
 - <https://github.com/OpenEnergyPlatform/ontology/pull/1027>
 - <https://github.com/OpenEnergyPlatform/ontology/pull/1137> (with table)
- Bad example: <https://github.com/OpenEnergyPlatform/ontology/pull/578/>
- Checklists <https://github.com/OpenEnergyPlatform/ontology/wiki/supplementary-checklists>
- Issue template types:
 - Are they still needed? Nearly all issues restructure.
 - Create a template for PR?
- Draft pull request versus open pull request
 - How to signal that a PR is ready for review?
 - Who creates the PR should be the assignee
 - Switch from "draft" to "PR"
 - Then assign reviewer
 - Use the GitHub projects for status: <https://github.com/OpenEnergyPlatform/ontology/projects/10>
 - Task: Add PR section to CONTRIBUTING.md @LH
- **[ORGA] State of automated annotation for module identification ? (JH, AS)**
 - <https://github.com/OpenEnergyPlatform/ontology/pull/1111>
 - seems that there's a weird robot bug, that also affects other issues
 - MR might fix this (maybe related to bad IRIs in import-modules)
 - OvGU addresses this technical issue during the next tuesday morning meeting
- **Include STATO completely vs only selected concepts [CM]**
 - proposed decision: just include selected concepts
 - the ontology is too extensive, detailed and remote from energy modelling domain to justify full inclusion
 - https://bioportal.bioontology.org/ontologies/STATO?conceptid=http%3A%2F%2Fpurl.obolibrary.org%2Fobo%2FSTATO_0000068&p=classes
 - issue
 - <https://github.com/OpenEnergyPlatform/ontology/issues/1133>
- **[ORGA] How to deal with individuals (LH) -> postpone to next OEKG-Meeting**
 - <https://github.com/OpenEnergyPlatform/ontology/issues/859>
 - part of the OEO or OEKG? How to decide?
 - analytical approach

<https://github.com/OpenEnergyPlatform/ontology/issues/1147>

- boolean

<https://github.com/OpenEnergyPlatform/ontology/issues/1148>

- solver

<https://github.com/OpenEnergyPlatform/ontology/issues/1150>

- **solar meteorology terms**

<https://github.com/OpenEnergyPlatform/ontology/issues/1031>

- solar radiation components

<https://github.com/OpenEnergyPlatform/ontology/issues/1076>

- direct radiation
- diffuse radiation
- global radiation

- radiation receiving surface

<https://github.com/OpenEnergyPlatform/ontology/issues/1074>

- Orientations of solar radiation receiving planes

<https://github.com/OpenEnergyPlatform/ontology/issues/1088>

- "things" (artificial objects)
 - Horizontal radiation receiving surface
 - Vertical radiation receiving surface
 - Normal radiation receiving surface
 - Inclined radiation receiving surface
 - solar tracked receiving surface
 - single axis tracked receiving surface
 - two axis tracked receiving surface
- processes involved
 - solar tracking
 - single axis tracking
 - two axis tracking
- A ray is a travelled path of a photon (no need to implement)
- Surface: A surface is a flat object part that is a two-dimensional boundary of an object.
 - Janna will talk to Fabian
 - http://purl.obolibrary.org/obo/BFO_0000024
- pv cell has part some solar receiving surface

Moved to next meeting:

- **Measurement device (from OEO dev 36)**

- As a separate class parallel to e.g. energy converting component?
- continuent-> independet continuant > material entity -> object->artificial object -> measurement devices.....

- **Classification of non-pure liquid fuels**

- Liquid mixture or organic compound?
- biodiesel, biogasoline, crude oil, gas diesel oil, gasoline, kerosene

- **Restructure biofuel**
 - <https://github.com/OpenEnergyPlatform/ontology/issues/872>
 - Definition of sustainable/sustainability is not yet resolved
- **Model calibration / parametrisation:**
 - <https://github.com/OpenEnergyPlatform/ontology/issues/1040>
- Ontology Workspace (use for joint development)
 - Ar. Definition
 - Axioms..
 - ...
- Good first issues:
 - software license
<https://github.com/OpenEnergyPlatform/ontology/issues/1153>
- Question: Compiling the ontology in a single file [EA]
 - Currently Protegé handles all the dependencies.
 - When loading in other software the import statements are ignored
 - Is there a way to compile the ontology with all its imports into a single file (maybe with robot?)
- New OEO developers from SEDOS project
 - A master thesis on TUM
 - Some are already present at this meeting

Collection of tasks:

- Get familiar with release process @release-team
- Extend release process wiki @CM
- Add commit message convention to CONTRIBUTING.md @LH
- Add PR section to CONTRIBUTING.md @LH
- Move everything not done to next meeting @LE