

## 3C: An open modeling platform for Europe

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# The OpenEnergyPlatform – An Open Data Community

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# OpenEnergyPlattform (OEP)



openenergyplatform.org

- University Magdeburg (OvGU) is host and main developer
- Funded projects until 2022
- Server deployment for +10 years guaranteed by OvGU
- Cross-tier community project
- Code available at [GitHub](#)



Gefördert durch:

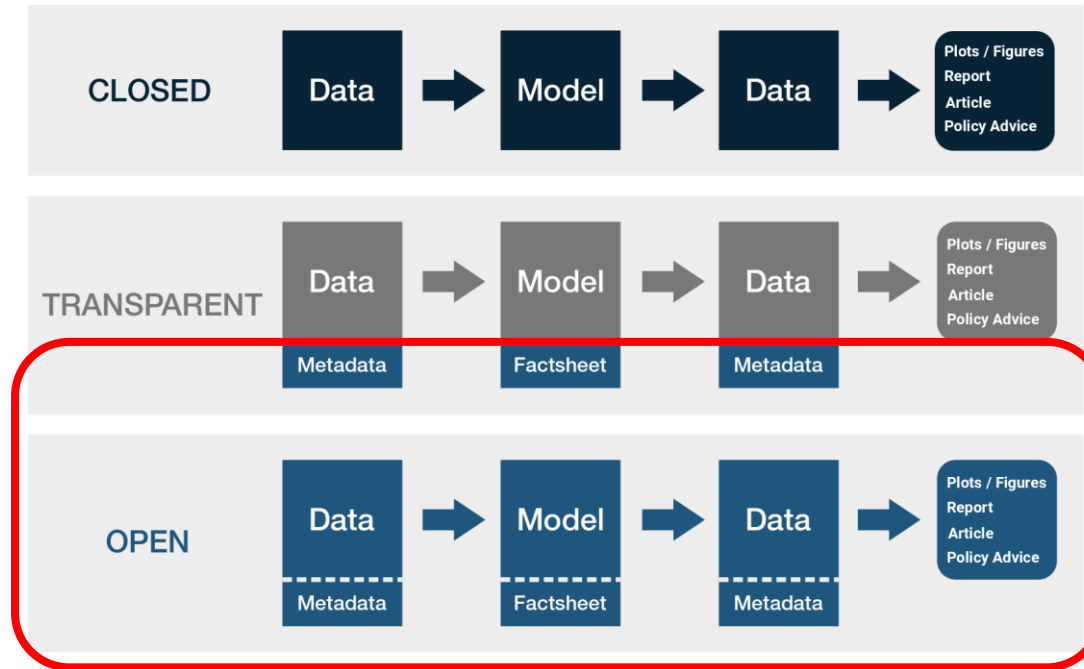


aufgrund eines Beschlusses  
des Deutschen Bundestages

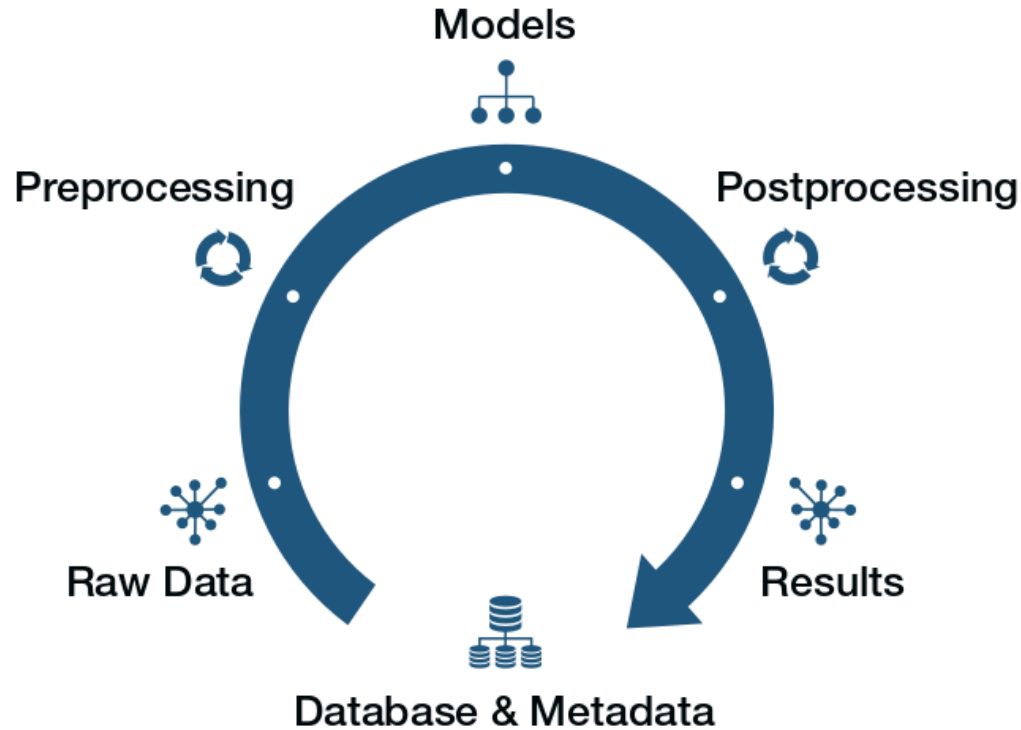


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# OpenEnergyPlatform (OEP)



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**Factsheets**

**API & oedialect**

**PostgreSQL Database**  
**OMI & OEP-Metadata-v1.4.0**

## Developments:

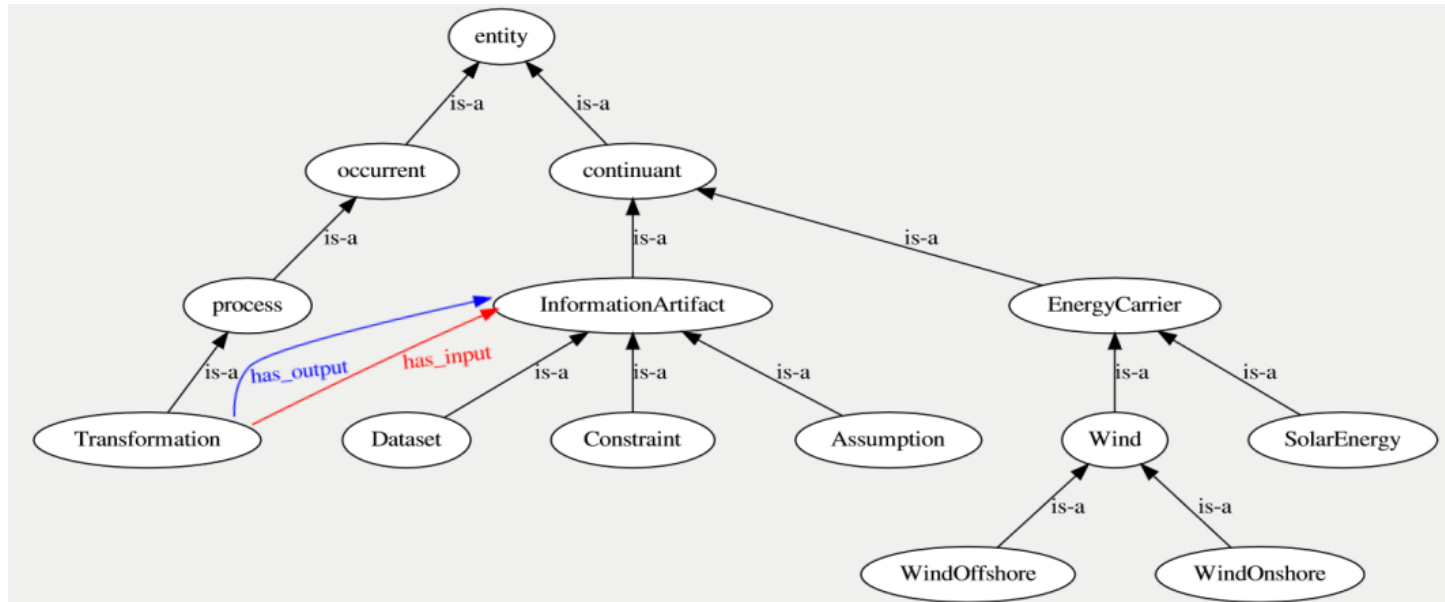
- OpenEnergyDatabase (oedb)
- Metadata for energy data (OEP-v1.4.0)
- Factsheets (Framework, Model, Szenario)
- API + oedialect

## Current Developments:

- OpenEnergyOntology (OEO)
- Peer-Review Process for Open Data
- Scenario Bundles

# OpenEnergyOntology (OEO)

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



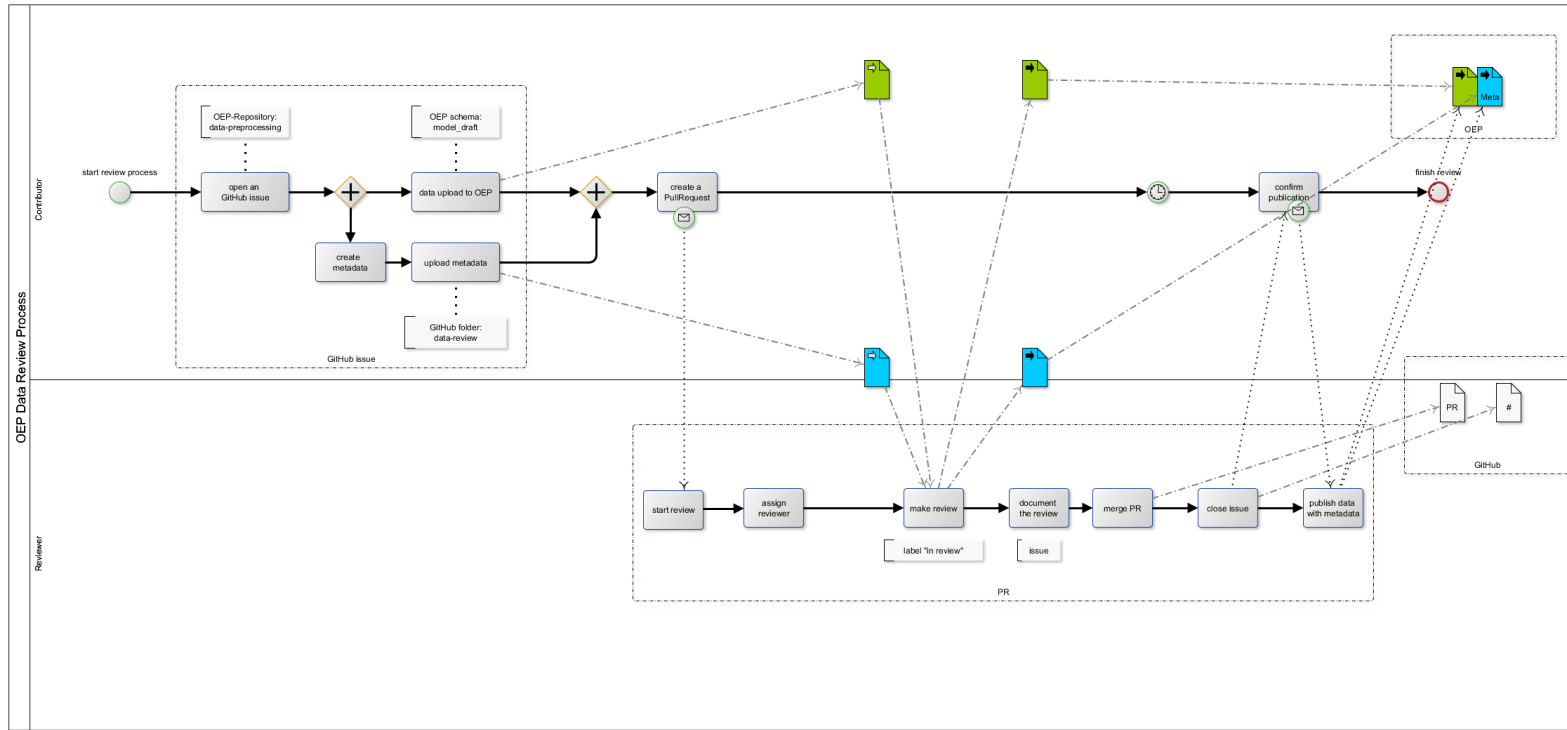
# Peer-Review Process for Open Data

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- Upload of **data** and **metadata** (FAIR)
- Definition of criteria to evaluate -> [ongoing discussion](#)
- Definition of the process for “contributor” and “reviewer”
- Development of (semi-)automatic checks for data



# Peer-Review Process for Open Data



OEP-Review Process Version 0.0.4 (DRAFT)

What is (part of) an energy system scenario?

- Input data / Assumptions / Narrative
- Model(s) + Repository + Model Factsheets
- Output data / Results / Figures
- Publications / Studies / Recommendations
- ???

A “Scenario Bundle” connects/links heterogeneous materials.

They aim at increasing the comparability of different scenarios and are currently being developed.

Technical implementation is under development!

## „Open Science is the new default, whether you like it or not.“



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