Implementing FAIR in the Domain of Energy Systems Analysis

Within the research project LOD-GOESS (https://lod-geoss.gitub.io) and the Helmholtz Metadata Hub Energy we are developing a distributed data architecture for sharing and improved discovery of research data in the domain of energy systems analysis. A central element is the databus (https://databus.dbpedia.org) which acts as a central searchable metadata catalog. Data will be annotated on the base of the Open Energy Metadata String (https://github.com/OpenEnergyPlatform/oemetadata) and with the help of the Open Energy Ontology (https://openenergy-platform.org/ontology/). The metadata string follows the idea of the frictionless data package and can describe the data down the individual collumns and rows within the tables. We have set up a number of demonstrators which show how the infrastructure can be used to publish, search and discover data based on semantic searches, how it can be used to develop and share a common technology data base or to couple different models based on a common description of the data.

Please assign your poster to one of the following keywords.

Tools

Please assign yourself (presenting author) to one of the stakeholders.

Data Infrastructure Provider

Please specify "other" (stakeholder)

In addition please add keywords.

Energy Systems Analysis, Search, Discovery

Primary author: HOYER-KLICK, Carsten (German Aerospace Center, Institute of networked Energy Systems, Department of Energy Systems Analysis)

Presenter: HOYER-KLICK, Carsten (German Aerospace Center, Institute of networked Energy Systems, Department of Energy Systems Analysis)

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