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User requirements on a database for energy scenarios

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https://www.iee.fraunhofer.de/de/projekte/suc he/laufende/szenariendb

or

http://reiner-lemoine-institut.de/szenariendb

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Project "SzenarienDB"

"SzenarienDB" aims to create a database for energy scenarios as an extension of the Open Energy Platform (OEP). Scenario data of several studies will be uploaded to the database to become easily and freely accessible. Hence, it can serve as a reference and help to establish more transparency and comparability. In addition, it is part of the project to ensure the maintenance of the database even after the project has ended.

Inquiry on user requirements

Within the project, user requirements on such a database were collected in an online survey, where potential users of the future SzenarienDB were invited to answer several questions around their daily work with scenarios.

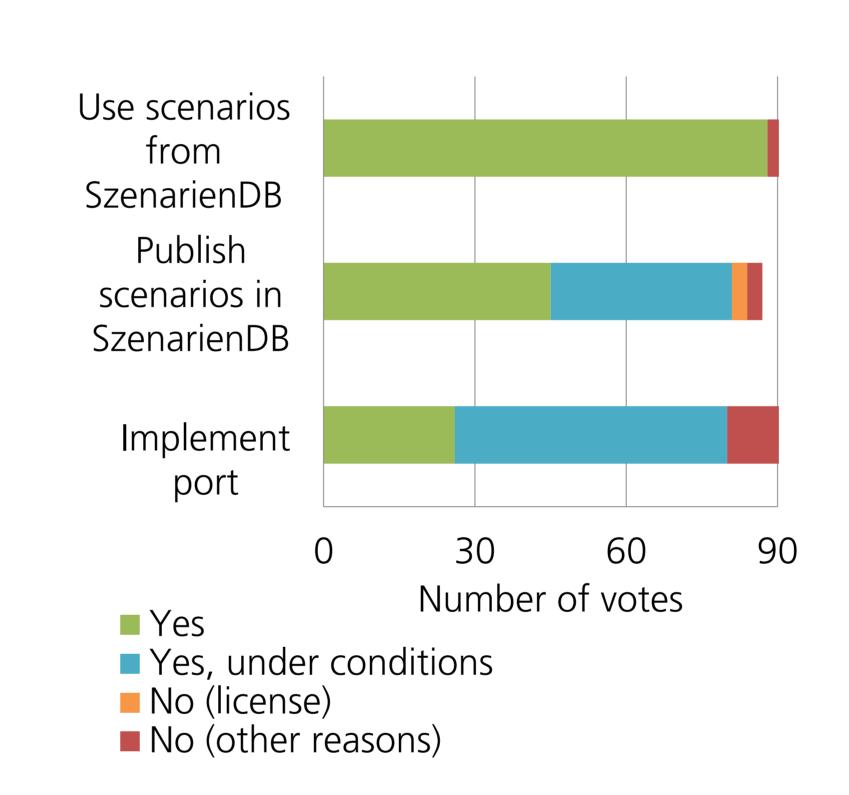
Who answered the survey?

In total, 99 persons finished the survey (as at 2018/08/07), at which most of them are working in research institutions (76). Many participants (62) are as well

involved in scenario generation as in using external scenarios. About 56% are frequently using external databases, such as Eurostat, OpenStreetMap and others. Only 10% are not using databases at all.

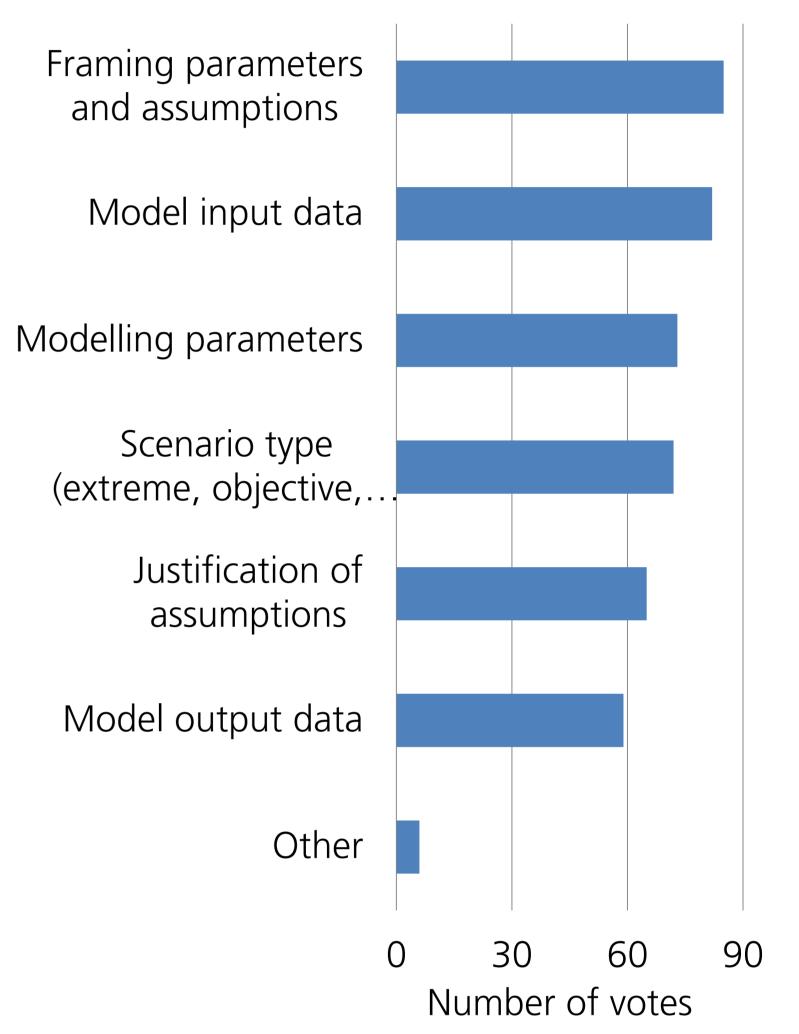
Do users want "SzenarienDB"?

The survey revealed high interest in the topic, especially on the part of the scientific energy modelling community. Many users see financing as a precondition for publishing scenarios in a SzenarienDB. Obstacles lie in licensing or the commercial use of scenarios.



What is an energy scenario?

Since a standard definition of energy scenarios is hard to find, a question on the personal understanding of the respondent, which data is part of a scenario, was queried.



Required level of detail

The majority of participants require highly resolved data. Only about 20% use data with a low level of detail, such as aggregated values for countries or years.

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