

23J009 – Student assistant

Title: Development of power system and power market data management tools

Are you interested in working on data management of power market data?

The European Institute for Energy Research EDF-KIT EWIV (EIFER) is looking for a

Student assistant (f/m/d)

in the research group “Energy Transition, Markets, Environment”.

The team “Policy Analysis and Energy Market Studies” heavily relies on clean data to perform data analysis for its research and consulting activities. These data must be extracted from different sources, cleaned and stored in order for it to be useful for the team. To this end, a Python package is being developed. Furthermore, to further valorise this effort, we aim at providing institute-wide access through a data catalog and visualization of data on energy markets.

The European Institute for Energy Research was founded by EDF and the KIT in 2002 aiming at enhancing collaboration through joint projects applied to industrial issues and utilities’ needs. With its applied research orientation EIFER is bridging the gap between science and industry for more than 20 years. In the context of the European energy transition, EIFER provides research-based innovative energy solutions for the sustainable development of cities and communities, economic activities, and territories.

The assigned tasks involve

- Further development of a Python package managing data extraction, cleaning and storage tasks
- Working on the integration of a data catalog into internal knowledge management system
- Working on new functionalities such as the connection to visualisation tools (e.g. Dash, PowerBI)

Required qualifications / skills / interests

The position is aiming to Master-students in engineering and computer science

- Very good English language skills. German language is a plus
- Interest in the power system and power markets
- Familiar with Python and SQL concepts
- Basic knowledge on front-end development: Javascript, HTML, CSS
- Knowledge on Django and Vue frameworks is a plus

What you can expect

- A stimulating, multicultural and multidisciplinary environment
- An institute at the intersection between academic research and one of the largest energy utilities in Europe
- If the opportunity arises: participation to conferences, involvement in scientific publications

Conditions

- Duration: 6 months (possibility for extension)
- Starting date: As soon as possible
- Location: EIFER, Emmy-Noether-Str. 11, 76131 Karlsruhe, Germany
- Working hours: 40 hours per month
- Monthly compensation: 530 € basis, hourly rate depending on the student's education level

Contact

If you want to join a highly motivated research group, please forward your electronic application with one single pdf of max. 5MB including all relevant information (curriculum vitae and cover letter) to jobs@eifer.org. **Please refer to the offer number 23J009.**

For additional information concerning the work please contact: Agustín Motte Cortés, agustin.motte-cortes@eifer.org