

## 22J018 – Internship Proposal

### Territorial economic modelling - evaluation of a regionalised economic model

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. With its applied research orientation EIFER is bridging the gap between science and industry since more than 20 years. In the context of the European energy transition, EIFER provides research-based innovative energy solutions for the sustainable growth of cities, local communities and industries. The team *Energy Transition, Markets, Environment* is looking for a student (f/m/d) in the field of renewable energy economics.

### Internship description

In order to understand and report on the value creation around hydroelectric facilities, a territorial economic simulation tool was developed and used in various French regions to estimate the economic benefits and the effects on employment (direct, indirect and induced).

The intern will conduct bibliographic work and review available data sources in sectoral economics. In a second step, the internship will consist in setting up an evaluation of the results of the simulations by identifying the sources of deviations from the "reference" data, then by proposing and testing avenues of improvement and, finally, by feeding the tool with other territorialized sectoral databases. The final step will be to develop a protocol for integrating local authority tax data into the tool and to provide documentation on the use of the tool.

### The assigned tasks involve

- Bibliographic research
- Identification of additional databases
- Test of the territorial economic simulation tool
- Application of the tool to test cases

### Required qualifications / skills

- Master's degree in economics or econometrics, or third year of engineering school with a specialisation in economics.
- Desired skills: econometrics, economic modelling, Python
- Perfect command of French required, good command of English desirable, knowledge of German is an advantage

### 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
- A contribution to the key challenge of our era: fight against climate change through the decarbonation of the energy supply

### Conditions

- Duration: 5 to 6 months
- Starting date: as soon as possible

- Location: EIFER, Emmy-Noether-Str. 11, 76131 Karlsruhe, Germany or remotely (depending on the current corona restrictions for workplaces)
- Working hours: 39.5 hours per week
- Monthly compensation: 450 € for a compulsory internship

## Contact

If you want to join our motivated team, please forward your electronic application with one single PDF of max. 5MB to [jobs@eifer.org](mailto:jobs@eifer.org) (cover letter + curriculum vitae). Please refer to the offer number **22J018**.

For additional information concerning the work, please contact Sebastian Weber ([sebastian.weber@eifer.org](mailto:sebastian.weber@eifer.org)) or Nicole Pini ([nicole.pini@eifer.org](mailto:nicole.pini@eifer.org))