Job position 22J017

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

Research fellow (m/f/d)

in geospatialized analysis, who will integrate the Research Group *"Climate Neutral Communities"*

By designing low CO_2 and resilient energy models integrating all urban issues related to the energy transition, EIFER's research group *"Climate Neutral Communities"* develops methodologies, models and tools to support local decision making to draft territorial strategic plans for climate neutrality: renewable energy sources integration, best available energy-efficient solutions implementation, urban heat islands mitigation, air quality improvement, low-CO_2 mobility deployment, with disruptive local governance schemes). Within this framework, geospatial data analysis is a core skill of EIFER.

The assigned tasks involve

- Contribution to R&D projects with strong interaction with various EDF entities (R&D, strategic and operational divisions) and also European partners
- Global understanding of territorial stakes with regard to climate change and energy transition
- Responsibility for technical spatial analysis-based studies for EIFER's clients and development of:
  - suitable indicators, methods and support energy planning at the municipality/region level
  - methods to assess geographical potential in the context of climate change and resilience
- Establishment of cartography/mapping using GIS (QGIS, ArcGIS) and statistical analysis
- Contact person for EIFER's clients and partners to understand their needs, define workplans, communicate results

Required qualifications and skills

- The job applicant should hold a Master degree or equivalent in a domain related/close to the topic: geospatial data analysis, territorial planning, climate change
- Good knowledge on geospatial analysis and GIS tools
- Demonstrated interest on low-carbon energy solutions
- Knowledge in programming (Python) in database (PostgreSQL) will be appreciated
- Rigor and respect of the requirements of quality/cost/deadlines
- Ability and motivation for working in a multi-disciplinary project team
- Interdisciplinary and analytical thinking
- Ability to work autonomously and responsibly in a structured way and to convey clear, synthetic and efficient messages orally and in written form

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- Excellent level (C1) in English is mandatory, good French level would be highly appreciated
- Beginners are welcome

Why joining EIFER?
- A stimulating human-size, multicultural and multidisciplinary environment
- An institute at the intersection between academic research and one of the largest energy utilities
- A wide spectrum of topics, projects, technologies, external partners
- A contribution to the key challenge of our era: fight against climate change through the decarbonation of the energy supply

Conditions

The duration of the position is initially limited to 2 years, **starting as soon as possible**. The salary is based on qualification and experience according to TV-L (100%).

Contact

If you want to join a highly motivated research group, please submit your electronic application until **15ᵗʰ May 2022** with **one single pdf of max. 5MB** (including all relevant information as CV, copies of testimonials etc.) to **jobs@eifer.org** **with reference to the offer "22J017"**.

For additional information concerning EIFER and the work, please have a look on our website or contact us: contact@eifer.org