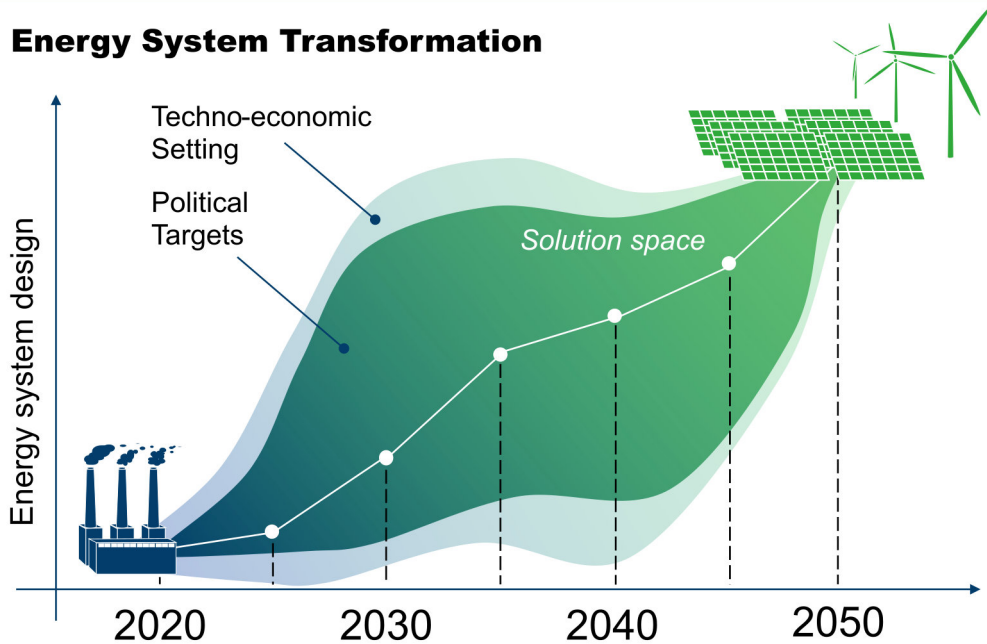


Energy System Transformation



Conducting research for a changing society: This is what drives us at Forschungszentrum Jülich. As a member of the Helmholtz Association, we aim to tackle the grand societal challenges of our time and conduct research into the possibilities of a digitized society, a climate-friendly energy system, and a resource-efficient economy. Work together with around 7,400 employees in one of Europe's biggest research centres and help us to shape change!

The EU's regions are developing climate adaptation strategies to tackle the localised impacts of climate change. However, adaptation efforts at the regional level can vary widely in scope and effectiveness. The thesis topic is aimed at evaluating the feasible adaptation measures, at a local scale.

We offer a

Master Thesis: Cross-European Adaptation Measure Evaluation

Your Job:

As part of the on-going EU project – LOCALISED (<https://www.localised-project.eu/>), this thesis focuses on integrating regional climate adaptation measures into an existing optimization model. By assessing these measures, the project seeks to provide valuable insights that will help refine regional adaptation strategies, ensuring they are both cost-effective and aligned with local vulnerabilities. The thesis work can be broken down into the following work packages:

- WP1 – Literature review on existing adaptation measures: Documenting the measures along with the costs of implementation
- WP2 – Integration of measures into an existing measure optimization model
- WP3 – Use the model and data to analyze the regional impact of the measures on effective adaptation to climate change

Your Profile:

- Very good academic record and currently enrolled in a master's program in natural science, computer science, engineering or a related field of study
- Very good Python (or other) programming skills
- Good written and spoken English skills
- High interest in climate change-related topics
- You are highly motivated to work on the topic and able to work independently and analytically
- You have a high degree of self-organization and time management skills

The job will be advertised until the position has been successfully filled. You should therefore submit your application as soon as possible. We look forward to receiving your application via our

Online-Recruitment-System!

Questions about the vacancy?

Get in touch with us by using **our contact form**.

Please note that for technical reasons we cannot accept applications via email.

www.fz-juelich.de

Our Offer:

We work on the very latest issues that impact our society and are offering you the chance to actively help in shaping the change! We support you in your work with: You will be contributing to an ongoing EU project - LOCALISED, in a team of experts with different scientific backgrounds. Upon completing this master`s thesis, you will have achieved proficiency in Python programming and significantly enhanced your presentation skills. We offer you a high degree of flexibility, insights into the processes of a leading scientific institute and the opportunity to work on highly relevant environmental and energy topics. Further we offer our students:

- Collaboration in a diverse, highly motivated, and international working group in one of the largest research institutions in Europe
- Our canteen has a wide choice of food on offer – and the chance to enjoy your lunch break with a view of the lake
- A large research campus in a forested area, offering fantastic opportunities for networking with colleagues and pursuing sporting activities alongside work
- An excellent scientific infrastructure and intensive supervision
- Professional technical equipment for remote work and the opportunity to work 100% from home
- A reasonable remuneration

The position is for a fixed term of 6 months.

In addition to exciting tasks and a collaborative working atmosphere at Jülich, we have a lot more to offer: <https://go.fzj.de/benefits>

We particularly welcome applications from people from a diverse range of backgrounds (e.g. regardless of age, gender, disabilities, sexual orientation/identity, as well as social, ethnic, and religious background). We strive to offer a diverse and inclusive working environment in which people enjoy equal opportunities and are able to fulfill their potential.