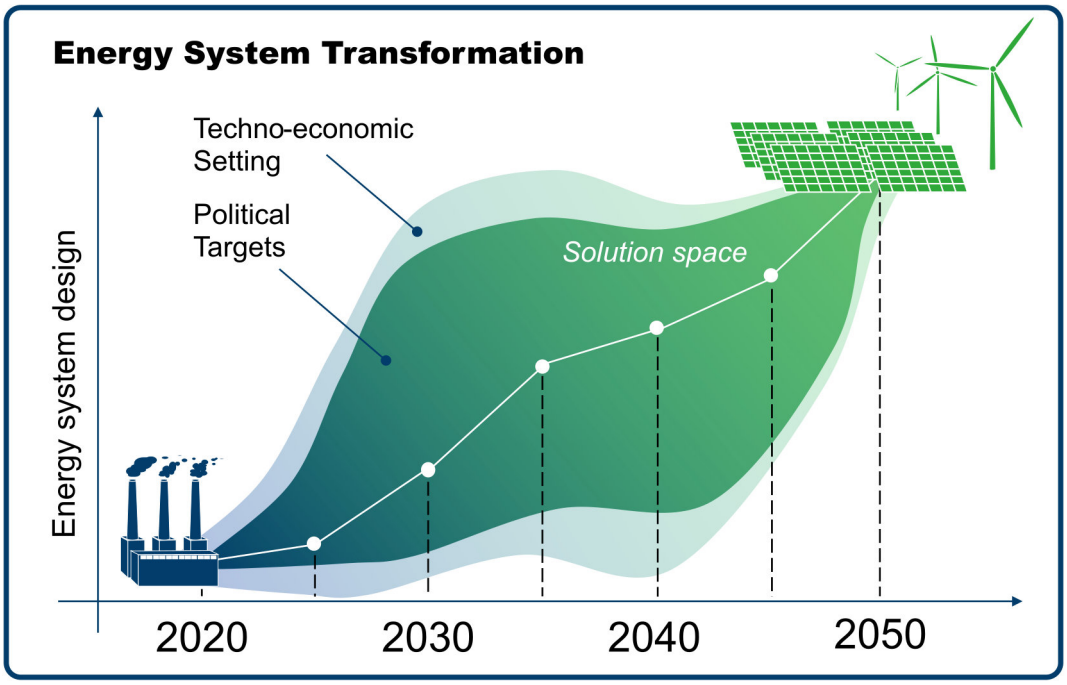

Conducting research for a changing society: This is what drives us at Forschungszentrum Jülich. As a member of the Helmholtz Association, we aim to tackle the grand societal challenges of our time and conduct research into the possibilities of a digitized society, a climate-friendly energy system, and a resource-efficient economy. Work together with around 7,500 employees in one of Europe's biggest research centres and help us to shape change!

Are you interested in questions concerning the greenhouse gas-neutral energy system of the future, would you like to work as part of an international research team, and contribute your own creative ideas to your doctoral thesis? Then we have an offer for you: At the Institute of Climate and Energy Systems - Jülich Systems Analysis (ICE-2), we use integrated models to address one of the greatest challenges of the 21st century: achieving a greenhouse gas-neutral global energy system.

We are offering a

PhD Position - Quantitative evaluation of (macro)economic impacts related to energy system transformations

Your Job:

- Maintain, and update quantitative methods for assessing economic impacts of the energy transition at the national and regional levels
- Develop dynamic and multisectoral economic models to gain insights into complex systems and inform decision-making
- Design and evaluate scenarios that focus on energy systems and structural change, assessing their potential impact
- Develop and evaluate transformation paths that are necessary to address the challenges posed by climate change
- Present research findings at national and international conferences, utilizing effective communication skills to convey insights clearly and succinctly
- Publish research results in reputable scientific journals to share knowledge and contribute to the advancement of the field

Your Profile:

- Possession of a master`s degree in economics or a related discipline from a reputable university
- Strong knowledge in econometrics / applied mathematics / applied quantitative

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

methods, with the ability to apply this knowledge to real-world problems
- Proficiency in data analysis and programming using at least one statistical program such as R, Python, or similar programming languages
- Experience with GAMS, GTAP, and Exiobase is an asset.
- Skills in publishing research results in relevant scientific journals
- Excellent command of English, both spoken and written
- Understanding the German language is an asset
- Willingness and ability to collaborate effectively in an international, interdisciplinary team environment
- High level of flexibility, adaptability, and the ability to work under pressure while also demonstrating a strong commitment to achieving research goals

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:

- TEAM & ENVIRONMENT: You will work in a motivated team with an international and interdisciplinary focus – at one of the largest research institutions in Europe
- RESEARCH & INFRASTRUCTURE: You will have access to excellent scientific and technical facilities for your work
- NETWORKING & EXCHANGE: You will participate in (international) conferences and project meetings and actively build your scientific network
- SUPERVISION & SUPPORT: We will accompany your doctoral studies with continuous, expert guidance from your academic supervisor
- SUPPORT FOR INTERNATIONAL EMPLOYEES: Our International Advisory Service makes it easier for international employees to get started
- WORK-LIFE BALANCE: We offer flexible working hours to help you balance your professional and personal life. You also have the option of flexible working (in terms of location), which is generally possible after consultation and in line with upcoming tasks and (on-site) appointments
- VACATION: You will receive 30 days of vacation
- KNOWLEDGE & DEVELOPMENT: Your professional development is important to us – we support you specifically and individually e.g., through training and networking opportunities specifically for doctoral candidates (JuDocS): https://go.fzj.de/JuDocs
- FAIR REMUNERATION: Depending on your qualifications and assigned responsibilities, you will be classified according to pay group 13 (75%) of the TVöD-Bund. Additionally, you will receive a special payment (“Christmas bonus”) amounting to 60% of one month’s salary. All information about the TVöD-Bund collective agreement can be found on the BMI website (pay scale table on page 66 of the PDF download): https://go.fzj.de/bmi.tvoed
- PERSPECTIVE: The position is initially for a fixed term of 3 years

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

We welcome applications from people with diverse backgrounds, e.g. in terms of age, gender, disability, sexual orientation / identity, and social, ethnic and religious origin. A diverse and inclusive working environment with equal opportunities in which everyone can realize their potential is important to us.

The following links provide further information on diversity and equal opportunities: https://go.fzj.de/equality and on specific support options: https://go.fzj.de/womens-job-journey