



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!

Shape the global energy transition with us at the Institute of Climate and Energy Systems - Jülich Systems Analysis (ICE-2)! Join our dedicated, diverse team in the field of resource supply for energy system transformation and conduct research on a topic with real impact: How do limited global resources influence the transformation of our energy systems and how can bottlenecks be avoided? Using our unique ETHOS model suite and excellent HPC infrastructure, we analyze interactions between material availability, technologies, and system strategies. You will join the team as part of the ongoing ERC Starting Grant project MATERIALIZE - an excellent foundation for developing your area of expertise.

Join our team at ICE-2 at the earliest possible date as a

Team Leader – Resource Supply Systems

Your Job:

- Help us shape the future of energy research by strategically developing our research field on global resource scenarios for the energy transition
- Take responsibility for your own research projects: from successfully acquiring third-party funding to planning and managing interdisciplinary research projects with an impact on science, politics, and society
- Identify relevant research topics, coordinate project progress, ensure quality, and actively contribute your ideas to the further development of our department
- Bring your topics to the attention of experts in the field through scientific publications and conference presentations, as well as active networking at the national and international level
- Lead a motivated scientific team and develop innovative scientific perspectives together with colleagues, doctoral candidates, and students

Are you enthusiastic about modeling and analyzing material systems? Do you have innovative ideas on how the energy transition can succeed, and would you like to play an active role in shaping research that matters? Then apply now! We look forward to

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

welcoming committed colleagues who want to develop solutions together with us.

Your Profile:

- You have successfully completed your doctorate in industrial ecology or energy systems analysis
- You hold a very good degree (master`s or equivalent) in engineering (e.g., energy technology, mechanical engineering, process engineering, electrical engineering, industrial engineering), physics, mathematics, or a related field
- You have extensive experience in industrial ecology and material flow analysis and are confident in programming, preferably in Python
- You have successfully acquired and managed third-party funded projects and have a track record of publications in recognized, peer-reviewed journals
- You have already taken on responsibility, e.g. in supervising doctoral students, leading small teams or in coordinating research roles, and would now like to develop this leadership experience
- You work independently, strategically, and in a solution-oriented manner, while always maintaining an overview of the big picture as well as methodological details
- You have strong social and communication skills for leading and collaborating with interdisciplinary teams
- Fluent written and spoken English; German skills are an advantage

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:

- We support you right from the beginning: We help new colleagues to find their feet at Jülich – e.g. through our Welcome Days and Welcome Guide (<https://www.fz-juelich.de/en/gp/welcome-to-forschungszentrum-julich>)
- Help us develop sustainable solutions for the clean energy transition
- Join a highly motivated and international team at one of the largest research centers in Europe
- Excellent technical infrastructure – ideal conditions for extensive system analyses, including institute's own cluster computer and access to the HPC at the FZJ
- Opportunity to participate at international conferences
- Ideal conditions for balancing work and private life, as well as a family-friendly corporate policy supported by our Equal Opportunities Bureau
- Flexible working hours in a full-time position (39 hours/week) with the option of slightly reduced working hours
- Flexible work arrangements, e.g. working from home
- 30 days of annual leave and provision for days off between public holidays and weekends (e.g. between Christmas and New Year)
- Capital-forming benefits and an employee pension scheme
- Targeted services for international employees, e.g. through our International Advisory Service

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

The position is for a fixed term of 2 years, with possible long-term prospects. Salary and social benefits will conform to the provisions of the Collective Agreement for the Public Service (TVöD-Bund), pay group 14, depending on the applicant's qualifications and the precise nature of the tasks assigned to them. All information about the Collective Agreement for the Public Service (TVöD-Bund) can be found on the BMI website: <https://go.fzj.de/bmi.tvloed> . The monthly salaries in euros can be found on page 66 of

the PDF download.

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.

Further information on diversity and equal opportunities: <https://go.fzj.de/equality>