The Institute of Bio- and Geosciences – Agrosphere (IBG-3) conducts research to improve our understanding of biogeochemical and hydrological processes in terrestrial systems. A combination of experiments, modelling and innovative observation technologies is used to bridge the gap between model, process and management scale. Its research contributes to the sustainable and resource-conserving use of soils and water and to the quantification of the effect of climate and land use change on terrestrial ecosystems. We offer a competent and interdisciplinary working environment, as well as an excellent framework in the areas of experiments and modelling.

We are looking to recruit a

**Research Scientist in Earth Sciences, Modelling and Ecosystem Reanalysis**

**Your Job:**
- Develop ecosystem reanalysis approaches using the community land model E_CLM and ecosystem data from national and international observational platforms (e.g. TERENO, eLTER, ICOS, Fluxnet)
- Active involvement in eLTER_PLUS, a European scientific project to demonstrate the potential of the European Long Term Ecological Research Infrastructure, eLTER, with a focus on the development of a modeling platform based on the concept of ecosystem reanalysis and analyzing the impact of climate change on ecosystem functioning
- Develop and prepare a proposal for a large scale measurement infrastructure between various centres of the Helmholtz Association to establish a now-and forecasting system of the land surface
- Present and publish results at international conference and peer reviewer journals

**Your Profile:**
- Master’s degree in natural sciences, engineering, applied mathematics or a comparable field

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 6,800 employees in one of Europe’s biggest research centres and help us to shape change!

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
Expertise in the development and/or use of terrestrial and land surface models
Knowledge of data assimilation is an advantage
Programming skills with Phyton, Fortran, C/C++
Ability to work independently as well as collaboratively in an international, interdisciplinary team across institutes
Excellent communication and organizational skills
Fluent command of both oral and written English

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:
• A large research campus with green spaces, offering the best possible means for networking with colleagues and pursuing sports alongside work
• Vibrant international and interdisciplinary work environment on an attractive research campus, ideally situated between the cities of Cologne, Düsseldorf, and Aachen
• Attendance at national and international conferences and workshops
• Possibility for further scientific and technical training through international experts
• An exceptional research infrastructure
• Full-time position with the option of slightly reduced working hours and 30 days of annual leave
• Targeted services for international employees, e.g. through our International Advisory Service

We offer you an exciting and varied role in an international and interdisciplinary working environment. The position is initially for a fixed term of 3 years, with possible long-term prospects. Salary and social benefits in conformity with the provisions of the Collective Agreement for the Civil Service (TVöD).

Forschungszentrum Jülich promotes equal opportunities and diversity in its employment relations.
We also welcome applications from disabled persons.