

The climate needs bright minds. The Potsdam Institute for Climate Impact Research (PIK) addresses crucial scientific questions in the fields of global change, climate impacts and sustainable development. It is one of the world's leading research institutions in its field and offers natural and social scientists from around the world an inspiring environment for excellent interdisciplinary research.

For the EU project TransformAr "Accelerating and upscaling transformational adaptation in Europe: Demonstration of water-related innovation packages" PIK is offering a full-time

## PostDoc position "Hydrological Modeller" (m/f/d) (Position number: 36-2022 PostDoc Hydrological Modeller)

as part of the PIK working group "Hydroclimatic Risks", starting as soon as possible.

The position **is funded until September 2025**. Remuneration is in accordance with the German public tariff scheme (TV-L Brandenburg), salary group E 13. This is a full-time position with a working time of 40 hours per week. The position can be filled on a part-time basis.

In particular, we are looking for a **hydrological modeller with a strong background in hydrology, computation / modelling and also vegetation processes** (natural vegetation and agriculture). The work includes the further development of a European-scale eco-hydrological model, as well as the performance of impact and adaptation studies in the context of the water – land – food – energy nexus and for hydrological extremes under climate change.

### Key responsibilities:

- Model studies combining hydrology and related processes for natural and managed water and land
- Quantifying impacts of extremes (floods and droughts)
- Independent research and academic publishing activity in water sciences or related fields
- Representation of the project at international and national academic conferences
- Development of the project: academic output, knowledge transfer and capacity building in workshops and seminars
- Supervision of Master and PhD students
- Support of the project coordination

### Requirements:

- PhD in hydrology, geosciences, environmental sciences or similar
- At least 3-year experience in process-based hydrological modeling, ideally at different scales
- Profound programming skills in Fortran or C and in Python or R
- Excellent expertise in hydrology, geosciences, environmental sciences, sustainable development, climate impact analysis
- Profound understanding of physical processes and mathematical methods

### We expect:

- the ability to work independently and on your own initiative
- a methodical and systematic approach
- structured and goal-oriented thinking
- capacity to familiarise yourself quickly with new topics
- creativity and openness to new approaches
- a high level of competence in oral and written German and English
- reliability, the ability to cope with stress, and a high level of motivation
- willingness to travel for work (project meetings, workshops etc.) and take part in further training
- capacity for teamwork
- organisational talent

### We offer:

- the chance to be part of a creative, interdisciplinary team
- a stimulating working environment in an internationally recognised research institute on Potsdam's beautiful, historic Telegrafenberg campus, a short commuting distance from Berlin
- flexi-time and mobile working (up to 40 % of your hours)
- a collective pay scheme and associated benefits as well as a subsidized travel card

PIK values equality and diversity. All qualified applicants will receive consideration for employment regardless of ethnic and social origin, religion, sex, sexual orientation, gender identity, national origin, disability, care responsibilities, or age. PIK seeks to increase the share of women in scientific positions and therefore explicitly encourages women to apply. In cases of equal qualification and within the given legal scope, women will be given preference. PIK also encourages applications by parents returning from parental leave.

Please apply by **30.09.2022** directly using our **application form**. The complete application (CV, motivation, references, certificates) should not exceed 10 pages.

If you hold an international higher education qualification, please also submit the Statement of Comparability from the Central Office for Foreign Education (ZAB) with your application. In the case that you do not yet have a ZAB Statement of Comparability for your qualification, please be aware that you will need to request this if your application is successful. You can find further information on this website: <https://www.kmk.org/zab/central-office-for-foreign-education.html>

For further information or to discuss the position please contact Dr. Fred Hattermann via email: [hattermann@pik-potsdam.de](mailto:hattermann@pik-potsdam.de).