

Member of



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 project Green Vision Central Asia: Bridging science and capacity building for safer future - Integrated water resources management strategies across competing sectors and trans-boundary dialogue in Central Asia under climate change, PIK is offering a

PostDoc position “Plant and Water Modeller” (m/f/d)

(Position number: [Click here to enter text.](#))

as part of the PIK working group “Hydroclimatic Risks”, starting as soon as possible. In particular, we are looking for a **plant modeller with a strong background in vegetation processes** (natural vegetation and agriculture), **soil and agricultural sciences and its link to the water cycle**.

The position is **funded until June 2024**. Remuneration is in accordance with the German public tariff scheme (TV-L Brandenburg), salary group E13. This is a full-time position with a weekly working time of 40 hours per week. The position can be filled on a part-time basis.

Key responsibilities:

- Model studies combining plant and water processes for natural vegetation and agriculture
- Independent research and academic publishing activity in plant and 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 agriculture, plant biology, hydrology, geosciences, environmental sciences or similar
- At least 3-year experience in process-based vegetation or agricultural modeling, ideally combined with hydrological modeling

- Profound programming skills in Fortran or C and in Python or R
- Excellent expertise in plant biology, agriculture, geosciences, environmental sciences, hydrology, sustainable development, climate impact analysis
- Profound understanding of physical processes and mathematical methods
- Knowledge of the Russian language would be an advantage

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,
- a collective pay scheme and associated benefits.

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. Applications by persons with a migration background are expressly encouraged. Applications of disabled persons with equal qualifications will be regarded favourably. PIK also encourages applications by parents returning from parental leave.

Please apply by **15.03.2022** 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. Iulii Didovets via email: didovets@pik-potsdam.de.



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UNTERZEICHNET

