

The Max Planck Institute for Biogeochemistry (MPI-BGC) in Jena is dedicated to interdisciplinary fundamental research in the field of Earth system sciences with a focus on climate and ecosystems. The internationally renowned institute, which currently employs around 230 people, will celebrate its 25th anniversary in 2022. Jena is known for high-tech industry, internationally renowned research institutions and a modern university, but it also has a beautiful natural setting in the green Saale valley with steep limestone slopes. The city of Jena has an active student scene and a diverse cultural life. For the Hydrology-Biosphere-Climate Interactions group within the Department of Biogeochemical Integration, we are inviting applications for a

PostDoc in Hydrology-Vegetation-Society Coupling (m/f/d) (full-time, 2 years)

Background and position description:

The Hydrology-Biosphere-Climate Interactions group (<https://tinyurl.com/4wbh4ubz>) studies the interplay between land and atmosphere through the exchange of water, energy and carbon. In particular, we analyze the transition between water- and energy-controlled evaporative regimes, hydro-meteorological extreme events such as droughts and heat waves, as well as long-term trends in land-atmosphere coupling patterns. Respective impacts on society are also part of our research focus. We employ both land surface and climate model simulations as well as observation-based datasets, which we investigate using statistical and machine-learning based approaches.

We are looking for a motivated and creative PostDoc (m/f/d) to join our team. The particular topic is flexible and the successful candidate (m/f/d) will have the opportunity to contribute and implement own ideas and interests, within the group's research focus.

Your tasks:

- Improve the understanding of Hydrology-Vegetation-Society Coupling across past, present and future time periods using multivariate data streams
- Develop your own line of research to complement the research of the group
- Disseminate your results at conferences, and publish in peer-reviewed journals
- Interact with researchers across the group, the department, and with external collaborators
- Student supervision and teaching is possible but not expected

Your profile:

- PhD in environmental science (or related)
- Expertise in climate data analysis (using e.g. R, Python or Fortran)
- Strong written and oral communication skills (demonstrated e.g. through peer-reviewed publications and conference talks)

Our offer:

Funding for this position is currently guaranteed for 2 years, with a gross annual salary of at least € 49'000 based on a full-time employment (TVöD Bund E13). In addition, we will provide a pension plan based on the public service (VBL). The position is expected to start in autumn 2021. Part-time employment with 80% workload is possible.

The Max Planck Society (MPS) strives for gender equality and diversity. The MPS aims to increase the proportion of women in areas where they are underrepresented. Women are therefore explicitly encouraged to apply. We welcome applications from all fields. The Max Planck Society has set itself the goal of employing more severely disabled people. Applications from severely disabled persons are expressly encouraged.

Your application:

Interested candidates should send (1) a cover letter including a statement of motivation and research interests (2 pages max), (2) your CV, including a list of publications, and (3) names and contact details of two referee persons.

Please send us your application documents in one PDF file (max. 10 MB) by e-mail including the reference number **20/2021** in the title to bewerbung@bgc-jena.mpg.de, or to the

Max-Planck-Institut für Biogeochemie
Personalbüro: Kennwort "PostDoc Hydrology-Vegetation-Society Coupling"
Hans-Knöll-Straße 10
D-07745 Jena

We kindly ask you not to submit copies of your application documents only, as your documents will be destroyed in accordance with data protection regulations after completion of the application procedure.

Screening of applications will start at **15 September 2021** and continue until the position is filled. In the case of any questions, do not hesitate to contact Dr. René Orth (rene.orth@bgc-jena.mpg.de).

We look forward to receiving your application!