

What:

PostDoc position 13 TV-L (until December 2025, with the possibility of extension) at the High Performance Computing & Analytics Lab (HPC/A-Lab) of University of Bonn (Germany) in close cooperation with Forschungszentrum Jülich on Geosciences.

Main tasks:

Within the new DFG-funded project

"Collaborative Research Centre 1502: Regional Climate Change: Disentangling the Role of Land Use and Water Management" - you are part of project Z04. We are looking for a Postdoc researcher at University of Bonn enabling the CRC through a variety of HPC-related tasks (ideally with the knowledge of algorithm engineering and additional knowledge in Earth system modelling). You will work at the interface of Geoscience, Data Science, and HPC.

Description of Z04:

The key objects of the CRC rely heavily on numerical modeling, data processing, and analysis. Project Z04 will be responsible for: (i) Providing basic support for a multitude of HPC-related issues, (ii) helping with model development (iii) model simulation support (iv) training of early-career scientists at the interface of geoscience, HPC, and data science in collaboration with Z02 and Z03. Hence, Z04 will help the CRC to efficiently conduct its demanding numerical model and simulation experiments as well as processing and analysis tasks, in a big data context.

Your responsibility:

- Conducting and further developing an independent research project
- Acquisition and application of scientific methods
- Publications (e.g. of scientific results)
- Acquisition of skills and experiences in project/research management

Your profile:

- Qualified Master with subsequent PhD degree
- Excellent command of English language
- Flexible, team oriented player in an interdisciplinary and collaborative research network

We offer:

- Integration and participation in a highly-motivated, interdisciplinary network
- Flexible, employee-friendly working hours
- Support for professional development and career management
- Institutional support for applicants with families and for women
- Depending on the applicant's qualifications and the precise nature of the tasks salary scale E13 and social benefits in conformity with the provisions of the Collective Agreements for the Civil Service (TV- L at University of Bonn, TVöD at Forschungszentrum Jülich).

Application deadline: February 14, 2022

Please find the detailed descriptions of the projects and positions on

<https://www.uni-bonn.de/de/universitaet/medien-universitaet/medien-arbeiten-an-der-uni/medien-personalmanagement/pdfs-stellenausschreibungen-wiss.ma/115-21-3-202.pdf> <<https://www.uni-bonn.de/de/universitaet/medien-universitaet/medien-arbeiten-an-der-uni/medien-personalmanagement/pdfs-stellenausschreibungen-wiss.ma/115-21-3-202.pdf>>

and links thereof:

<https://www.lf.uni-bonn.de/en/research/crc-detect/crc-structure/cluster-z>
<https://www.lf.uni-bonn.de/en/research/crc-detect/crc-structure/positions>