

The **Collaborative Research Center 1502 (SFB 1502) on Regional Climate Change: Disentangling the Role of Land Use and Water Management (DETECT)** has recently been awarded funding by the Deutsche Forschungsgemeinschaft (DFG) and is looking to recruit several

Postdoctoral Scientists

starting as soon as possible. All positions are fixed-term, initially until December 31st, 2025, with the possibility of an extension.

DETECT is a research network of hydrologists, meteorologists, land-use modellers, geodesists, data assimilation and remote sensing specialists, data scientists, agricultural economists, and social scientists from the Faculties of Agriculture and Mathematics and Natural Sciences of [the Rheinische Friedrich Wilhelms University Bonn](#), the Universities of Cologne and Göttingen, the [Forschungszentrum Jülich](#) and the Deutscher Wetterdienst.

Projects within DETECT will investigate how land-use and water management lead to persistent modifications in the coupled water and energy cycles of land and atmosphere ('drying' and 'wetting'); and thus disentangle the role of these drivers of regional climate change from radiative forcing. They will develop evidence-based sustainability criteria for climate-smart land and water use. The SFB 1502 is well embedded in the excellent research infrastructure of the participating institutions and offers access to state-of-the-art technologies and a vibrant scientific community.

We are looking to recruit the following Postdoctoral Scientists

Reference number

- at University of Bonn in the **field of meteorology** for project A04, with a background in precipitation, specifically polarimetric radar measurements **04**
- at the Institute of Bio- and Geosciences - Agrosphere ([IBG-3](#)) of Forschungszentrum Jülich in the **field of plant modelling** for project C02, with a background in plant physiology and drought stress **15**
(please apply for reference no 15 (2022-024) [here](#))
- at the Jülich Supercomputing Centre ([JSC](#)) of Forschungszentrum Jülich **developing the CRC's HPC-related data** portal in the central project Z03 with a background in data and Earth system sciences **29**
(please apply for reference no 29 (2022-025) [here](#))
- at University of Bonn in the **field of geoinformation** in project Z03 with a background in geographic information science, geodesy, computer science or a related discipline **30**
- at the Jülich Supercomputing Centre ([JSC](#)) of Forschungszentrum Jülich **enabling the CRC through a variety of HPC-related tasks** in the central project Z04 with experience in Earth system modelling **31**
(please apply for reference no 31 (2022-026) [here](#))
- at University of Bonn **enabling the CRC through a variety of HPC-related tasks** in the central project Z04 with experience in Earth system modelling **32**

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).

Please find the detailed descriptions of the projects and positions on <https://www.lf.uni-bonn.de/en/research/crc-detect/crc-structure/positions>.

The University of Bonn and Forschungszentrum Jülich are committed to diversity and equal opportunities. Their goal is to increase the proportion of women in areas where women are underrepresented and to particularly promote their careers. Applications from women with relevant qualifications are therefore strongly encouraged. Applications are handled in accordance with the State Equal Opportunity Act of North Rhine-Westphalia. The application of suitable persons with proven severe disabilities and persons of equal status is particularly welcome.

If you have any **questions** about the job profiles, please contact Dr. Frank Siegismund, scientific coordinator of DETECT (detect@geod.uni-bonn.de).

How to apply

Are you interested? Then please, **for the positions at University of Bonn**, send your **complete** and **meaningful** application documents (with letter of motivation, curriculum vitae and work references) **by 09.02.2022** in a **PDF** file by e-mail to Dr. Frank Siegismund (detect@geod.uni-bonn.de). **Please state the reference number(s)** of the position(s) you apply to (up to 3 applications are permitted).

For the **positions at Forschungszentrum Jülich** (reference numbers 15, 29 and 31) **please apply directly via the provided links above**.

We are looking forward to your application!