

The **Rheinische Friedrich-Wilhelms-Universität Bonn** is an international research university with a board range of subjects. With 200 years of history, about 35.000 students, more than 6.000 members of staff and an excellent national and international reputation, the University Bonn ranks among the most renowned universities in Germany and has been awarded the title Excellence University.

The Institute of Geosciences of the Faculty of Mathematics and Natural Sciences and the DFG Research Unit (FOR 2736/2) [NEROGRAV](#) is seeking in the field of atmospheric sciences, limited to 36 months (for doctoral studies) a

Research Associate (75%)

The goal of the project IP3 “High-resolution atmospheric-hydrologic background modeling for GRACE/GRACE-FO – regional refinement and validation” is to improve a consistent global data set of atmospheric and hydrologic mass variations with fine temporal and spatial resolution over Europe for the GRACE/-FO satellite missions. The project focuses on understanding atmospheric mass redistribution and model simulation errors, and examines sub-monthly variability and extremes in terrestrial and atmospheric hydrologic cycles.

Your tasks:

- Carry out original research work on the topic of atmospheric mass variations,
- Process and analyze simulation data from high-resolution atmospheric models,
- Perform statistical-dynamical data analysis and modeling,
- Work in an interdisciplinary environment, e.g. with satellite gravimetry, geodesy and geophysics
- Publish and present you research in peer-reviewed scientific journals and presentations at national and international conferences

Your Profile:

- University degree (MSc or equivalent) in meteorology, geophysics, geodesy, physics, or similar discipline,
- Expertise in Earth system modeling and/or statistical-dynamic modeling
- Interest in interdisciplinary and international research,
- Good written and spoken English,
- Technical knowledge of Python, R, FORTRAN or C

We offer:

- A diverse and challenging work with one of the largest employers in the region,
- Development of an independent research portfolio,
- Occupational retirement scheme (VBL),
- Numerous offers for university sports
- very good transport links or the opportunity to purchase a VRS bulk customer ticket or use low-cost parking facilities,
- the opportunity to part-time work from home
- Remuneration according to E13 TV-L

The University of Bonn is committed to diversity and equal opportunities. It is certified as a family-friendly university. Its goal is to increase the proportion of women in areas where women are underrepresented and to particularly promote their careers. It therefore strongly encourages applications from women with relevant qualifications. Applications from suitable persons with proven severe disabilities and persons of equal status are particularly welcome.

If you are interested in this position, please send your complete and informative application documents in digital form (as a single PDF) by email to pfried@uni-bonn.de. For further information, please contact Priv. Doz. Dr. Petra Friederichs (pfried@uni-bonn.de).