The **Rheinische Friedrich-Wilhelms-Universität** Bonn is an international research university with a broad 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 Meteorology section within the Institute of Geosciences is searching for a

Research Associate (75%)

within the field of **Satellite Data Assimilation**. The project is funded for 36 months within the extramural research program of the German weather service DWD, with a possible extension of 12 months (100% PostDoc). The results will contribute to the exploitation of modern, highly resolved Satellite images for the initialization of weather forecasts at DWD.

your tasks	● explore wavelet-based image analysis techniques ● develop efficient data compression strategies for Satellite images ● implement and test assimilation of compressed Satellite data in the ICON-LAM weather forecast model ● publish and present results in peer-reviewed scientific journals and international conferences
opportunities	● develop an independent research profile ● collaborate with diverse researchers at Uni Bonn and DWD ● contribute to the improvement of operational weather forecasts ● flexible working hours, work partly from home ● possible 12 month extension, transfer your results to DWD
your profile	● University Degree (MSc or equivalent) in meteorology, physics, or other related discipline ● Experience with Linux (shell scripting) ● Scientific programming skills (e.g., python, R, etc.) ● Proficiency in written and spoken English ● German language skills helpful but not required

Salary: Remuneration based on the collective agreement of the public service in the remuneration group TVL E13 (75%).

Starting date: Ideally February 2024 or otherwise agreed (pending final approval of funding).

Interested? To apply, please send your CV, transcript of records, letter of motivation and contact details of two references (all in one .pdf document) to Sebastian Buschow (sebastian.buschow@uni-bonn.de).