



The Rheinische Friedrich-Wilhelms-Universität Bonn is an international research university that offers a wide range of degree programs. With 200 years of history, about 38,000 students, over 6.000 employees, and an excellent domestic and international reputation, Bonn University is among Germany's leading universities.

The Bonn Sustainable AI Lab, located at the Institute of Science and Ethics, is looking for excellent candidates to carry out research on the environmental impact of artificial intelligence (AI) applications. We plan to fund a

PhD student position (TVL E13, 100%)

starting as early as possible. The position is limited to a fixed contract of four years. The Bonn Sustainable AI Lab is funded by Prof. Dr. Aimee van Wynsberghe's Alexander von Humboldt Professorship for the Applied Ethics of Artificial Intelligence. The research done in the lab is focused on addressing the often hidden environmental and related social and economic costs of designing, developing, and using AI across society. The research would be co-supervised by Prof. Dr. Aimee van Wynsberghe and Jun-Prof. Dr. Lisa Biber-Freudenberger from the Agricultural Faculty and the Center for Development Research.

Your responsibilities:

- research on the environmental impact of digitalization and AI applications: calibrating and running models, calculating and assessing carbon emissions and other dimensions of environmental impacts
- teaching support for Prof. Dr. Aimee van Wynsberghe
- preparation of dissertation thesis
- organising and taking part in workshops and conferences
- active participation in the lab's activities

Your qualifications:

- an M.Sc. or equivalent degree in Agriculture, Climate Studies, Sustainability, Environmental Science, Economics or related fields
- excellent knowledge of machine learning and AI methods
- knowledge of theories and methods of innovation studies
- excellent command of written and spoken English
- flexible and team-oriented, ability to work on a project independently
- interested in joining a dynamic, international, and interdisciplinary team
- interest in ethical questions of technology

We offer:

- a varied and challenging position with one of the biggest employers in the area
- an exciting position in a newly established, dynamic research group
- the opportunity to collaborate with excellent international researchers while pursuing your PhD
- participation in the university-wide pension system (VBL)
- access to the extensive university sports program
- an excellent transport infrastructure with the opportunity to obtain a discounted employee ticket for public transportation (VRS) or to use assigned, affordable parking
- a salary based on the 13 TV-L scale

The University of Bonn is committed to diversity and equal opportunity. It is certified as a family-friendly university. It aims to increase the proportion of women in areas where women are under-represented and to promote their careers in particular. It therefore urges women with relevant qualifications to apply. Applications will be handled in accordance with the Landesgleichstellungsgesetz (State Equality Act). Applications from suitable individuals with a certified serious disability and those of equal status are particularly welcome. Researchers from outside of Germany and Europe are highly encouraged to apply.

If you are interested in this position, please send your **complete application documents** by **March 31st** to

info@sustainable-ai.eu **with the application code 14/22/3.202**. Before sending your application, please combine and convert all of your documents into one PDF file. For further information please contact Charlotte Bander, charlotte.bander@uni-bonn.de.