The Faculty of Agriculture of the University of Bonn, together with the Forschungszentrum Jülich GmbH, hereby invites applications for a

**W2 Professorship "Soil systems modelling" according to the Jülich model**

to be appointed at the earliest time possible.

The new professorship should strengthen the DFG Cluster of Excellence PhenoRob (www.phenorob.de) by developing mathematical methods for the coupling between soil processes, automatic soil monitoring on different scales and soil functions, and contribute to the research topic digital bioeconomy at the Institute of Bio- and Geosciences, IBG-3 Agrosphere.

Experience in at least one of the following research areas is desired:

- Modeling of soil processes at different spatial and temporal scales;
- Analysis of multidimensional multi-parameter datasets of soil structures and soil states;
- Development of mathematical approaches, including artificial intelligence and machine learning, that couple soil structures, soil processes, and soil function at different scales.

The professorship will represent the above-mentioned field in teaching and research. The acquisition of third-party funds is expected.

Conditions of employment are in accordance with § 36 of the Higher Education Act of North Rhine-Westphalia.

The University of Bonn is committed to diversity and equal opportunity. It is certified as a family-friendly university and has a dual career service. It aims to increase the proportion of women in areas where women are underrepresented and to particularly facilitate their careers. Therefore, the University of Bonn strongly encourages applications from qualified women. Applications will be handled in accordance with the State Equality Act (“Landesgleichstellungsgesetz”). Applications from qualified individuals with a certified severe disability and from those of equal status are particularly welcome.

Applications in English language should include a cover letter, curriculum vitae, list of publications, research statement, teaching experience, extramural funding, research perspectives, relevant certificates, and a link to a Google scholar profile free of errors. Questions about the position should be addressed to Prof. Dr. Jan Vanderborgh (j.vanderborght@fz-juelich.de).
Applications received by **15/09/2022** are guaranteed full consideration. The appointment committee reserves its right to also consider applications received after this date.

**Please apply via our online portal:** https://berufungsportal.uni-bonn.de