The support of scientists at all career stages is one of the highest priorities of the Excellence University of Bonn. In this context, the Argelander Tenure Track Professorship Program is specifically dedicated to supporting excellent junior researchers and enabling them to develop their own independent research at the interface between the disciplines.

Applications are invited for an open position of an

**Argelander Assistant Professor (W1)**

for Integrated System Modelling for Sustainability Transitions

(tenure track to W2)

to be filled as soon as possible within the Transdisciplinary Research Area "Innovation and Technology for Sustainable Futures" (TRA Sustainable Futures) of the University of Bonn’s excellence initiative. The initial appointment will be at W1-Level (Assistant Professor) with tenure track to a W2 position (Associate Professor) in one of the Faculties associated with the TRA Sustainable Futures. Candidates should have a strong research profile in a natural, social, or engineering science field with a track record of internationally published research linked to global sustainability challenges. Ideally, candidates have a strong methodological focus on empirical and simulation modelling of coupled human-environmental systems (Ecosystems, OneHealth, Und Food Systems). It is desired that the candidate's profile is complementary with collaborative programs and emerging initiatives at the University of Bonn.

Teaching is an integral part of professorships. Teaching responsibilities will be fulfilled in existing and planned Bachelor and Master Programs as well as Graduate Schools that are thematically related to the chairs research program and follow the provisions of the Higher Education Act of the Federal State of North Rhine-Westphalia. Engagement in third party funding and cross-faculty collaborative research grant applications is expected.

Assistant professors are appointed for an initial period of three years with an extension for another three years in case of a positive interim evaluation. Subsequently, the appointment will be made permanent at W2-Level following a positive final evaluation by the University's governing bodies.

This professorship is funded by the Tenure Track Program of the German Federal and State Governments. Awarding tenure is not subject to a vacancy at the time when the fixed-term contract of the tenure-track position expires. This call is aimed at early-career researchers. As a general rule, the candidate must have earned his/her doctoral degree within the last four years. Candidates who have completed their doctorate at the University of Bonn must have changed universities or have been working in academic research outside of the University of Bonn for at least two years prior to applying.

Formal requirements are defined by § 36 of the Higher Education Act of North Rhine-Westphalia (Hochschulgesetz Nordrhein-Westfalen).
Regulations on tenure track at the University of Bonn and further information on tenure track professorships at the University of Bonn are available at https://www.uni-bonn.de/en-tenure-track

Further information about the TRA Sustainable Futures can be obtained at https://www.uni-bonn.de/en/research-and-teaching/research-profile/transdisciplinary-research-areas/tra-6-sustainable-futures

For further information on this professorship, please contact Prof. Dr. Jan Börner via E-Mail (jborner@uni-bonn.de) or phone (+49-228 73-1873).

The University of Bonn is committed to diversity and equal opportunities. It is certified as a family-friendly university and offers a dual-career service. The aim of this program is to increase the proportion of women in areas in which they are under-represented and to promote their careers. The University therefore strongly encourages applications from qualified women. Applications are processed in accordance with the Equal Opportunities Act of North Rhine-Westphalia (Landesgleichstellungsgesetz). Applications from suitably qualified individuals with proven severe disabilities, or those granted an equivalent status, are particularly welcome.

Qualified applicants are requested to apply by submitting the usual documents (cover letter, CV, research plan and teaching concept, list of publications, degree certificates) in English until 31 October 2021. The appointment committee reserves its right to also consider applications submitted after this date.

Please apply via our online portal: www.berufungsportal.uni-bonn.de
Evaluation of the W1 - Argelander Tenure Track Professorship (tenure track to W2)

The evaluation is conducted in accordance with the Tenure Track Regulations (TTO) of the University of Bonn and is carried out in four different categories:

(i) research achievements,
(ii) teaching accomplishments,
(iii) academic committee work or offices and
(iv) leadership responsibilities.

The assessment of the assistant professor's qualifications occurs in two terms with an interim evaluation (after three years) in the categories (i) und (ii) and a final evaluation (after six years) in all four categories.

1. Interim evaluation

27 months after initial recruitment, the assistant professor submits a written self-assessment report to the tenure track committee. The report shall be drafted along the TTO guidelines (see TTO appendix, part B) and is independently evaluated by four different reviewers, two of whom are not members of the University of Bonn. In the interim evaluation, the candidate is assessed for his/her performance as a university teacher. The following criteria are expected to be met during the first period:

(i) Research achievements

- At least one publication with corresponding authorship in a highly regarded scientific journal with peer review.
- Submission of an application for a research grant within a competitive program for third-party funding (EU, DFG, BMBF, Industry, Foundations, etc).

(ii) Teaching

- Independently conducting at least one teaching module in a B.Sc. or M.Sc. program of a TRA6 member faculty.
- Successful support of students as evidenced e.g. by supervising bachelor's and/or master's theses.

On (i) and (ii)

Excellent research achievements that are internationally recognized as top range in the field along with a very good performance in academic teaching or, alternatively, an excellent teaching performance along with very good research achievements that significantly exceed international standards.

2. Final evaluation

9 months before the end of the second term, the assistant professor submits a written self-assessment report to the tenure-track committee. The self-assessment shall be drafted along the
TTO guidelines (see TTO appendix, part B) and is independently evaluated by four different reviewers, two of whom are not members of the University of Bonn. In addition, the assistant professor presents his/her research in an oral public presentation. All four reviews as well as the oral presentation are taken into account in the final tenure decision.

Generally, it is expected that the following criteria are met at the end of the second term:

(i) Research achievements

- At least five publications with corresponding authorship in highly regarded scientific journals with peer review. Original contributions published in corresponding authorship in a journal that is preeminent for the field (e.g., Science, Nature) may be counted twice toward the minimum requirement.
- Successful acquisition of new funds in the form of
  - an individual research grant from the DFG (as person in charge of the proposal) or
  - an ERC grant or
  - an EC-funded collaboration project (“Research and Innovation Action”) as person in charge of the proposal at the own institution, as specified in the Form A of the proposal or
  - an equivalent peer-reviewed grant.
- Successful support of junior researchers as evidenced by supervising doctoral theses and/or mentoring postdocs.
- By obtaining an ERC grant, all minimum requirements under this point are met.

(ii) Teaching

- Successfully and independently conducting at teaching modules in B.Sc. and M.Sc. programs of TRA6 member faculties. The teaching performance is measured by analyzing the student polls conducted at the end of each semester.
- Successful support of students as evidenced e.g. by supervising bachelor's and/or master's theses.

On (i) and (ii)

Excellent research achievements that are internationally recognized as top range in the field along with a very good academic teaching performance that significantly exceeds standards or, alternatively, an excellent teaching performance on international top level along with very good research achievements that significantly exceed international standards.

(iii) Academic committee work or offices

Active participation in the work of the University’s bodies and committees as well as engagement in the academic community as a whole

(iv) Leadership responsibilities

- Managing an active and independent research group
- Enrolling in the continued training program offered within the framework of the human resource development concept of the University of Bonn