The promotion of scientists at all career levels is one of the most important goals of the University of Excellence Bonn. Tenure-track professorships specifically serve to promote excellent young scientists and to enable them to work on and further develop research questions at the interface between different disciplines.

The Institute of Food and Resource Economics (ILR) at the Rheinische Friedrich-Wilhelms-Universität Bonn has an opening for a

**Junior Professorship (W1 tenure track W2)**

**Management of the Digital Circular Economy**

at the Agricultural Faculty. Candidates should have an innovative research profile in empirical management research, combining quantitative methods of economics with new Data Science approaches (Machine Learning (ML), Artificial Intelligence (AI), Predictive Analytics). Research will focus on the analysis and evaluation of new, digital technologies (e.g. Blockchain) and autonomous production systems (e.g. Vertical Farming), which have the potential to fundamentally change existing bioeconomic value and supply chain structures and thus enable the transformation towards a sustainable circular economy. The professorship contributes to deepening research on sustainable agricultural and food systems as a focus of the Agricultural Faculty and Transdisciplinary Research Area 6, and to exploring new lines of research at the interface of Data Science and the Circular Economy. In teaching, in addition to courses in the above-mentioned research areas, in the medium-term contributions in the focus area 'Agribusiness' are desired as part of the English-language program 'Agricultural and Food Economics' (AFECO).

Participation in proposal development for interdisciplinary third-party funding and collaborative research is expected. Junior professors are appointed for a period of three years; an extension for another three years is possible after a positive interim evaluation. Following a positive evaluation decision by the responsible committees of the University of Bonn, the junior professor can be appointed to a permanent W2 professorship.

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).

The central tenure track regulations of the University of Bonn as well as further information on the tenure track system at the University of Bonn are available at [https://www.uni-bonn.de/forschung/argelanderprogramm/nach-der-promotion/tenure-track](https://www.uni-bonn.de/forschung/argelanderprogramm/nach-der-promotion/tenure-track)

If you have any questions about this professorship, please contact Prof. Dr. Stefanie Bröring (e-mail: s.broering@ilr.uni-bonn.de).

The University of Bonn is committed to diversity and equal opportunities. It is certified as a family-friendly university and has a Dual Career Service. 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 are handled in accordance with the State Equal Opportunity Act ("Landesgleichstellungsgesetz"). Applications from qualified candidates with proven severe disabilities and persons of equal status are particularly welcome.

Applications with the usual documents (letter of motivation, curriculum vitae, list of publications, research and teaching concept of one page each, copies of university certificates and diplomas) are requested in English by **February 15th 2022**. The appointment committee reserves its right to consider applications received after the application deadline.

Please apply via the appointment portal of the University of Bonn: [www.berufungsportal.uni-bonn.de](http://www.berufungsportal.uni-bonn.de).
Evaluation of the W1 (t.t.) W2 Junior Professorship ‘Management of Digital Circular Economy’

The evaluation is done according to the Tenure-Track-Ordnung (TTO) of the University of Bonn in four categories:

I. Research performance,
II. Teaching,
III. Academic engagement and
IV. Leadership Responsibility.

The evaluation follows a two-stage process with an interim evaluation (after three years) in categories (i) and (ii) and a final evaluation (after six years) in all four categories.

1. Interim evaluation

Submission of a self-report nine months before the end of the three-year first phase of the professorship according to the requirements of the TTO, Appendix Part B. The self-report is evaluated by four reviewers, two of whom are external reviewers. The interim evaluation will determine whether the candidate proven his/her qualification as a university teacher.

(i) Research performance

- Proof of at least one publication as corresponding author in peer-reviewed scientific journals with high reputation in the field.
- Participation in competitive grant applications (e.g., EU, DFG, BMBF, industry, foundations, etc.).

(ii) Teaching

- Evidence of at least one independently taught course during the reporting period in a BSc or MSc program of the faculties participating in TRA 6.
- Evidence of the usual number of SWS (weekly semester hours) for junior professors.
- Evidence of successful supervision of young researchers during the reporting period, e.g. supervised bachelor and/or master theses.

Re (i) and (ii)

Excellent performance in research that ranks among the top in international comparison and very good performance in academic teaching, or excellent performance in academic teaching and very good performance in research that significantly exceeds ordinary performance in international comparison.
2. Final evaluation

Submission of a self-report nine months before the end of the second phase of the professorship according to the requirements of the TTO (Annex Part B) and scientific presentation in the context of a public lecture, which is included in the evaluation. The self-report will be evaluated by four reviewers (including 2 external reviewers).

In general, the following criteria are expected to be fulfilled at the end of the second phase:

(i) Research Achievement

- Evidence of at least five publications as corresponding author in peer-reviewed scientific journals with a high reputation in the field. Original papers published in correspondent authorship in a journal that is preeminent for the field (VHB A) may be counted double toward the minimum requirement.

- Successful acquisition of new funding in the form of an individual grant from the DFG (as applicant) or an ERC grant or an EU-funded collaborative project ("Research and Innovation action") as the person responsible for the proposal at the applicant’s own institution, as indicated in form A of the proposal, or an equivalent funding scheme with peer-review procedure.

- Successful supervision of young researchers demonstrated by supervision of PhD students and/or postdocs, ideally based on completed dissertation projects.

- By obtaining a single ERC grant, all minimum requirements under this point are fulfilled.

(ii) Teaching

- Successful delivery of courses (lectures, seminars) in BSc and MSc programs of the faculties participating in TRA 6. Success is measured by evaluation results of student surveys.

- Successful supervision of young researchers during the reporting period, e.g., supervised bachelor’s and/or master’s theses.

Regarding (i) and (ii).

Excellent performance in research, which is among the best in an international comparison, and very good performance in academic teaching, which significantly exceeds ordinary performance, or excellent performance in academic teaching, which is among the best in an international comparison, and very good performance in research, which significantly exceeds ordinary performance in an international comparison.

(iii) Academic Engagement

- Active participation in committee and commission work of the University and the academic community at large.

(iv) Leadership Responsibilities.

- Leadership of an independent, active working group,
- Participation in further training measures within the framework of the personnel development concept of the University of Bonn.