



The Leibniz Centre for Agricultural Landscape Research (ZALF), project division 2 „Land use and Governance“ (Prof. Sonoko Bellingrath-Kimura) is offering a

## **PhD grant in the area of agronomy**

limited for a period of 3 years and starting 01.01.2022. The scholarship (1.365 € + 103 € consumables and travel allowances per months; plus a contribution to health insurance and, if applicable, child allowance) is related to the subproject „Partial area specific management and cropping systems“, part of the LOEWE project „Integrated Animal-Plant-Agroecosystems – GreenDairy“. Project partners are ZALF and the universities of Giessen and Kassel. Place of employment will be the Hessian State Domain Gladbacherhof, a teaching and research unit of the University of Giessen in 65606 Villmar/Hesse. Short stays are foreseen at Müncheberg, where ZALF is located.

### **Your tasks will be:**

- Investigating soil and site heterogeneity by applying UV surveying flights, ground-level sensor systems and different soil and crop parameters.
- Developing recommendations for a resource efficient management while considering site specific diversity
- Publishing research results in international, peer-reviewed scientific journals

### **Your qualifications and competences are:**

- Master of Science or Diploma degree in agricultural, environmental or life sciences
- Experiences and knowledge of image analysis with artificial intelligence (e.g. k-means-clustering, explainable AI, information theory) and spatial modelling
- Knowledge of soil science, land evaluation and remote sensing are beneficial as well as insights into agricultural practices
- Ability to work in a team and good communication skills
- Very good presentation expertise in spoken and written English

### **We offer you:**

- An interdisciplinary work environment that encourages self-reliant and independent work
- Flexible working hours and comprehensive skill training courses
- Membership in the graduate program of ZALF or the University of Giessen
- A cooperative and open-minded working atmosphere in a dynamic research institution

We particularly encourage women to apply. Applications from severely disabled people with equal qualifications are favoured.

### **Your application:**

Please send your application by e-mail (one PDF file) with a motivation letter, CV, copy of your degree, transcripts, the names and contact information of up to three references and stating the keyword **GreenDairy/Scholarship** by October 31, 2021 to: [Sonoko.Bellingrath-Kimura@zalf.de](mailto:Sonoko.Bellingrath-Kimura@zalf.de)

*If you have any questions, don't hesitate to contact us:*

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