The mission of the Leibniz Centre for Agricultural Landscape Research (ZALF) as a nationally and internationally active research institute is to scientifically explain causal relationships in agricultural landscapes and to provide society with a knowledge base for the sustainable use of agricultural landscapes through excellent research. ZALF is a member of the Leibniz Association and is located in Müncheberg (approx. 35 minutes by regional train from Berlin-Lichtenberg). It also maintains a research station with further locations in Dedelow and Paulinenaue.

The project DAKIS (Digital Knowledge and Knowledge Information System) is one of the BMBF funded research projects within "Agricultural systems of the future", where innovative researches will be conducted to create the ideal form of agriculture in the future. Our vision is that agricultural systems of the future can be spatially differentiated and functionally diversified by automated small-scale production systems, and tailored to society's needs for marketable goods as well as non-marketable goods through new, innovative information and management systems. In order to achieve this overall concept, two test landscapes are selected to conduct case studies. The project is planned to start on April 1st, 2019 and will last for 5 years.

We are offering a fulltime position temporarily limited up to 60 months, subject to financing at our location in Müncheberg working on *Tools for economic optimization of a digitized management of agricultural farms* as

PostDoc (f/m/d)

Your tasks:

- the Farm Economics Group at ZALF is seeking a new team member co-leading and contributing to the DAKIS work package "Optimization of crop and farm management". The candidate is expected to develop optimization tools for long term investment planning, yearly crop production plans and adaptation of operational management decisions. The position requires a solid understanding of planning activities at farm level at different time scales, development and integration of forecasting instruments for e.g. prices, integration of daily adapted forecasts of yields, pests and diseases as well as biodiversity and environmental indicators. Modelling results from other working groups, expert assessments and spatial relationships will have to be integrated into a tool that provides automatized decision support to farmers.

Your qualifications:

- Doctoral degree in agricultural or business economics or related discipline
- Solid skills in optimization methods, database techniques and software languages such as GAMS
- Ability to work in an interdisciplinary team as well as independently
- Strong interest in scientific writing and excellent command of English and German

We offer:

- An interdisciplinary working environment that encourages independence and self-reliance
- Classification according to the collective agreement of the federal states (TV-L) 13 (including special annual payment)
- A collegial and open-minded working atmosphere in a dynamic research institution ■ Financial support for extended academic training

Women are particularly encouraged to apply. Applications from severely disabled persons with equal qualifications are favored. It is generally possible to work in the position on a part-time basis. Please send your application preferably by e-mail (one PDF file, max. 5 MB) with the usual documents, in particular CV, proof of qualification and certificates, stating the reference number **29-2019** until **April 5 2019** to: Bewerbungen@zalf.de.

If you have any questions, please do not hesitate to contact:
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