The Leibniz Institute for Agricultural Engineering and Bioeconomy is a pioneer and a driver of bioeconomy research. We create the scientific foundation to transform agricultural, food, industrial and energy systems into a comprehensive bio-based circular economy. We develop and integrate techniques, processes and management strategies, effectively converging technologies to intelligently crosslink highly diverse bioeconomic production systems and to control them in a knowledge-based, adaptive and largely automated manner. We conduct research in dialogue with society - knowledge-motivated and application-inspired.

For the department **Technology assessment and substance cycles** we are looking to recruit a

**Scientist (Postdoc) (m/f/d) (50 %)**

The LIFE project, LIFE CARBON FARMING (Development and implementation of a results-based financing mechanism for carbon farming in mixed crop-livestock systems in the EU) involves six European countries: Belgium, France, Germany, Ireland, Italy, and Spain and ten European partners. The project focuses on reducing the carbon footprint by creating a common framework for carbon offsetting mechanisms and low emission practices on farms and facilitating carbon farming projects in Europe. To achieve the project's objectives, actions such as the implementation of harmonised tools, standards and methodologies for on-farm sustainability assessment are envisaged. In addition, the monitoring, reporting, and verification process is addressed, including the training of farmers and advisors. Furthermore, the implementation of mitigation practices on all mixed crop livestock farms will be considered, as well as the development of cost benchmarks and the creation of a performance-based carbon finance mechanism, the promotion of low emission levers, contribution to the dissemination of carbon offset mechanisms, and contribution to the promotion of a European network and a common framework.

**Your responsibilities**

- Application of harmonised tools and standards for implementing carbon farming initiatives in mixed crop livestock farms with a focus on dairy farms
- Elaboration of referential costs
- Contribute to setting up an EU low carbon farming network
- Greenhouse gas (GHG) emission and sustainability audit on farms
- Calculation of GHG emissions and reductions per farm
- Conducting scientific studies on carbon footprint of mixed crop and livestock farms
- Preparation of scientific publications and project reports
- Support the coordination project
  - Project management tasks (communication with project partners, planning of project meetings and events)
  - Dissemination activities

**Your qualifications**

**Your professional qualification profile:**

- Successfully completed university studies (Ph.D. degree) preferably in the field of agricultural sciences.
- Profound research experience and knowledge on dairy farm, GHG emissions and climate change practices in European livestock systems.
- Experience in working on international projects with multidisciplinary working groups.
- Carbon footprint mitigation techniques, as well as knowledge of techniques to reduce greenhouse gas emissions from livestock activities (focus: dairy production)
- Very good knowledge in the field of animal husbandry, data analysis, and data management.
- Confident use of MS Office programs and statistical data analysis software.
- Confident command of the German and English language, both written and spoken

**Personal qualification:**

- Independent, responsible, reliable, and results-oriented way of working, personal commitment, flexibility, as well as ability to work in a team and willingness to cooperate are required
• Ability to analyse data and complex situations
• Driving license is required
• Knowledge of practical farming would be beneficial

We offer
• An attractive, interdisciplinary working environment in an international and committed team
• Collaboration in an interdisciplinary team in an attractive working environment.
• Access to national and international networks for your scientific advancement.
• Family-friendly working conditions that promote the compatibility of work and family life
• Company-owned electric bicycles for business trips

The position is part-time (50%) and limited until 1st October 2027 according to the end of the project. The salary is based on your qualification and professional experience according to TV-L up to salary group 13.

For further information, please contact Prof. UZ Dr. Barbara Amon (E-Mail bamon@atb-potsdam.de) and visit our website www.atb-potsdam.de.

If you would like to contribute your professional competence to our interdisciplinary research, please apply by the following deadline 24 January 2022 using ATB’s online application form for the job advertisement, code 2022-2-1, at https://www.atb-potsdam.de/en/career/vacancies. Applications received after the application deadline cannot be considered.

Equality of opportunity is part of our personnel policy. Disabled applicants with adequate qualification will be preferentially considered.

By submitting an application, you agree that your job application documents will be stored for a period of six months, even in the case of an unsuccessful application. Further information on the processing, storage and protection of your personal data can be found at https://www.atb-potsdam.de/en/services/data-protection-declaration-for-the-application-process.