

The Leibniz Institute for Agricultural Engineering Potsdam-Bornim (ATB) is one of the leading agricultural engineering research institutes in Europe. The main objective of our research is resource efficiency in agricultural production systems.

Subject to the grant, for our **Department of Technology Assessment and Substance Cycles** we are seeking to appoint a

PhD student (f/m) on the appropriate use of rewetted organic soils (50%)

ATB and the Agricultural and Horticultural Faculty of Humboldt-University Berlin establish the Leibniz Graduate School „Agricultural processes: potentials and costs for greenhouse gas mitigation (LandPaKT)“. The objective of the project is to derive practical advice for farmers and politicians how to reduce greenhouse gas emissions from agriculture. Project work focusses on rewetting of organic soils, carbon sequestration in arable soils, livestock husbandry and agricultural policy.

Job description

- development and assessment of appropriate process chains for harvest and use of biomass from rewetted organic soils
- investigations on trafficability of rewetted organic soils and model simulation of biomass harvest on frozen ground
- development of concepts for energetic use of biomass
- calculation of energy and greenhouse gas balances, profitability and greenhouse gas mitigation costs
- publication in scientific literature

Your qualification and profile

- very good master degree in agricultural sciences or engineering
- in-depth knowledge on process engineering in agriculture
- specific knowledge on fundamentals and methodology of technology assessment
- very good writing and speaking skills in scientific English
- profound IT skills, in particular MS Office
- driving license class B
- interdisciplinary way of working, communicative and team competence
- personal responsibility, commitment, creativity

Our offer

- optimal research and study environment with intensive supervision in small groups
- a structured doctoral program with dedicated seminars, courses to acquire scientific key qualifications and international networking
- working in an interdisciplinary team and attractive working environment
- PhD position (50%) for three years with salary according to the German public service scheme E 13 TV-L, starting on 1 April 2013

For more information please contact **Prof. Dr. Annette Prochnow** (Tel.: 0331/5699-210, E-Mail: aprochnow@atb-potsdam.de) and visit our website at www.atb-potsdam.de.

Interested?

We look forward to receive your full application containing a letter of motivation, your CV with relevant publications, certificates and credentials. The closing date for applications is **31 January 2013**.

Please send your application (single PDF document) along with reference number **2013-2-2** to kariere@atb-potsdam.de.

Equal opportunity is part of our personnel policy. Therefore, we expressly encourage qualified women to apply.

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