



December 22, 2009

Official Records No.
PA 2009/4535**LUND UNIVERSITY**

Faculty of Science

Faculty Office

Personnel Coordinator Johan Eliasson

Lund University announces an opening for an

Post-doctoral researcher in project ClimAfrica

Lund University is Scandinavia's largest institution for education and research in a large number of disciplines, such as engineering, natural sciences, law, social science, economics, medicine, theology and the arts. The University has over 39 000 students and approximately 5 500 employees located in Lund, Malmö and Helsingborg. We have a comprehensive global network and a growing co-operation within the Öresund University framework within Southern Sweden and Eastern Denmark.

Basic facts regarding the position**Reference no:** 4535**Closing date for applications:** February 15, 2010**Date of appointment:** Summer 2010**Form of employment:** Two years time limited employment**Placement:** the Department of Physical Geography and Ecosystems Analysis**Trades unions at Lund University:** OFR, SACO and SEKO**Information about the position:** Almut Arneth, almut.arneth@nateko.lu.se**Job description**

We seek a post-doctoral research fellow to model the dynamic interactions of climate and ecosystem processes for assessment of agricultural and rangeland productivity and water balance in Africa, and to quantify sensitivities of vegetation productivity to seasonal, interannual and decadal variability in weather and climate. The work contributes to the EU Project ClimAfrica. The researcher will be placed in the Department of Physical Geography and Ecosystems Analysis, Lund University, Sweden.

The researcher will be responsible for implementing and testing the agricultural version of the dynamic global vegetation model framework LPJ-GUESS for the African environment, to develop a grazing module for African rangelands, and to contribute to model-model and model-data intercomparison within the project.

Qualifications

- Ph.D. degree (or equivalent) in a quantitative environmental sciences discipline, for instance meteorology, Environmental physics, -biology, or -engineering. Applications from candidates who are close to completion of their PhD degree will also be considered
- Expertise with process-based mathematical modelling of ecological processes
- Excellent programming skills (e.g., C++, Fortran)
- Willingness to communicate research results and to interact within an international research environment

We welcome candidates with enthusiasm for collaboration within a multidisciplinary team, as well as an aptness to pose and solve problems individually. The work involves extensive international collaboration and the candidate must be willing to travel. Excellent written and spoken English is a requirement.

The University strives for an even gender balance. Most of the employers in this area in the University are male. We therefore encourage female applicants to these vacancies.

How to apply

The application should include a description of motivation and research interests, detailed CV, publication list and names and contact details of two referees.

The Faculty Board has specified instructions for the application. These can be found at the Internet address:

<http://www.naturvetenskap.lu.se/o.o.i.s/11729>

(<http://www.naturvetenskap.lu.se/anstallning>)

Applications must be sent by mail to Registrar, Lunds universitet, Box 117, 221 00 LUND, Sweden. Please quote the position reference number when applying. Late or incomplete applications, or applications that are directed to other recipients than those indicated to the Registrar will not be considered.

By commission

Johan Eliasson