



LUND UNIVERSITY

Faculty of Science

PUBLIC NOTICE

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Faculty Office

Personnel Coordinator Johan Eliasson

Lund University announces an opening for an

Post-doctoral researcher in project FUME

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: 4533

Closing date for applications: February 15, 2010

Date of appointment: Approx. April 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 fire, vegetation, climate and human population in Mediterranean Europe, and globally. The work contributes to the EU Project FUME. 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 a revised version of the fire module of the dynamic global vegetation model framework LPJ-GUESS, and for the adaptation of the models' plant functional types for key Mediterranean ecosystems. Model output will be evaluated against a range of observations (e.g., vegetation parameters, ecosystem carbon fluxes, remote-sensing fire information, etc).

Qualifications

- Ph.D. degree (or equivalent) in a quantitative environmental sciences 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