



LUND UNIVERSITY
Faculty of Science

PUBLIC NOTICE

1 (2)

December 22, 2009

Official Records No.
PA 2009/4532

Faculty Office
Personnel Coordinator Johan Eliasson

Lund University announces two positions as:

Post-doctoral Researcher in Terrestrial Ecosystem Modelling

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.

Within the Department of Physical Geography and Ecosystems Analysis, process-based terrestrial ecosystem modelling is a strong focus involving more than 20 senior staff, postdoctoral researchers and PhD students. The Ecosystem Modelling and Biodiversity group (EMBERS) (www.nateko.lu.se/EMBERS) is mainly concerned with simulating the effects of global change on the structure and functioning of terrestrial ecosystems, as well as feedbacks of ecosystem and land cover changes on the climate system. Vegetation dynamics, species distributions and biodiversity at global, regional and local scales are a particular focus. Our approach is based around further developing and applying the well-known ecosystem modelling framework, LPJ-GUESS, originating in Lund, with input data from climate observations, models, proxy data or scenarios.

Basic facts regarding the position

Reference no: 4532 – two positions
Closing date for applications: February 15, 2010
Date of appointment: As soon as possible
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: Martin T. Sykes, +46 46 2229298 (+46 707 412 213), martin.sykes@nateko.lu.se

Job description

We are looking for 2 postdocs to work with the development and application of the process-based ecosystem model to address a number of global change issues. The successful applicants will contribute to a number of externally funded international projects, including new projects within BiodivERsA and FP7 research programmes.

In particular with regard to developments and applications including fire modelling in the boreal, Mediterranean zones in Holocene and future perspectives; climate change integrated assessment methodology for cross-sectoral adaptation and vulnerability in Europe.

Qualifications

- PhD in an environmental science, ecology, geocology, quaternary ecology, physical geography, meteorology, physics (or similar).
- Good programming skills in C++, C or Fortran or similar for both positions.

- Previous experience working with ecosystem process-based models (not GIS modelling) is an advantage and an awareness of global change research issues is important.
- A good publications record demonstrating the ability to write research articles independently.
- Excellent written and spoken English.

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