



SUSANNA BLÅNDMAN
PERSONALHANDLÄGGARE

Institutionen för naturgeografi och kvartärgeologi

STOCKHOLMS UNIVERSITET

Anslaget på
Stockholms universitet
den 15 januari 2008

STOCKHOLM UNIVERSITY hereby announces a

PhD POSITION IN PHYSICAL GEOGRAPHY

within the topic: **Hydrological modelling for climate-change impact assessment** (ref.no. 617-2727-07) at the Department of Physical Geography and Quaternary Geology, Stockholm University.

Final date for applications: Friday, February 22, 2008.

Project description: We seek to recruit a candidate for a PhD position within the project “Hydrological modelling of climate change effects” funded by Formas (The Swedish Research Council for Environment, Agriculture Sciences and Spatial Planning). This project is led by Jan Seibert (Stockholm university) in collaboration with Prof. Keith Beven (Lancaster university) and Fredrik Wetterhall (King’s college and SMHI).

Climate variability has significant impacts on water resources. Increased risks of both droughts and floods have been mentioned as potential climate-change effects. There is a demand on the scientific community to evaluate the effects of a climate change, and this research project aims at developing good modelling procedures for the use of climate model simulations as input for hydrological modelling for impact assessment. While much progress has been made in both global and regional climate models, the output from these models still can not be used directly in hydrological models. The objectives of this project are (1) to evaluate and further develop different approaches to downscale and adjust the output of global and regional climate models for hydrological predictions, (2) to improve the capability for predicting climate change impacts on runoff and its variability, as well as both droughts and floods, and (3) to Estimation of the combined uncertainties of the simulation of catchment-scale impacts of climate change.

Terms of employment: The 4-year PhD program includes at least 3 years of research and at most one year of course work. The position may be extended by up to one year, if up to 20% teaching assistance or administration is included in the contract. The position may be financed by a faculty fellowship during the first 12 months (about 14.900 SEK per month). Upon satisfactory progress, the position continues with PhD-employment from the second year until the end of the PhD program (with a salary of 19.400 SEK per month).

Qualifications: The successful candidate is expected to have a strong background in computational hydrology or climatology, with robust experience in programming and statistical methods, and familiarity with hydrological and/or meteorological processes and their modelling. The PhD thesis will be written in English and a good command of English is required.

Envisioned starting is April 2008 (although this can be negotiated).

Applications labelled “Doktorandprojekt ref.no. 617-2727-07” should be posted to the address below and be post marked no later than February 22, 2008.

Applications should include a letter of intent, curriculum vitae, copies of degree certificates and transcripts of academic records (all attested), a list of two persons who may act as references (with phone numbers and email addresses), and one copy of the applicant's undergraduate thesis and articles of which she or he is a co-author.

Applications should be sent to:

Stockholm University
Registrator/PÅ
SE-106 91 Stockholm
Sweden

Additionally, the letter of interest and curriculum vitae must also be emailed, by the deadline above, to: susanna.blandman@natgeo.su.se

For further information contact:

Jan Seibert (supervisor) +46 (0)8 674 7876, jan.seibert@natgeo.su.se

Union representatives are Bo Ekengren, SACO, Lisbeth Häggberg, ST and Gunnar Stenberg, SEKO, Phone: +46 (0)8 16 20 00

Further information on the web:

Stockholm University: <http://www.su.se>

The Department of Physical Geography and Quaternary Geology:

<http://www.ink.su.se>

The handbook for postgraduate students:

<http://www.doktorandhandboken.nu/english>