

PhD student in Arctic Climate

Ref. No. SU FV-0997-17

at the Department of Meteorology.

Closing date: 2 May 2017.

At the Department of Meteorology at Stockholm University (MISU), www.misu.su.se, we conduct research and education in an international environment within four main areas: Atmospheric physics, Dynamic meteorology, Physical oceanography and Chemical meteorology. In all these areas there is a strong focus on the climate and on processes important for the climate and its development. The department employs some 65 individuals, of which about 30 are scientists, 20 PhD students and 15 in the administration and the technical support. The department is part of the Bolin Centre for Climate Research, www.bolin.su.se, and together with three other departments at the university cover research of most of the important aspects of the climate system. For more information about PhD studies at MISU: www.misu.su.se/research/phd-studies.

Project description

One important aspect of the rapidly changing Arctic climate is the transport of warm air from southerly latitudes into the Arctic. The heat itself is of course important, but there are also other effects, such as, for example, the local effects from changes in static stability, in clouds and in winds, that happens as the air masses transforms from the mild mid-latitudes to the cooler Arctic. Starting with direct observations and working with analyzes of weather patterns, trajectories, satellite observations and models, the successful candidate will attempt an understanding of these processes and their time scales, following air from south to north.

This project is a collaboration with the Swedish Meteorological and Hydrological Institute (SMHI), and the successful applicant will have the opportunity to visit and do some part of the work at the SMHI research department. He/she will also be able to work within the interdisciplinary project "Arctic Climate Across Scales (ACAS)", recently funded by the Knut and Alice Wallenberg Foundation.

Qualification requirements

In order to meet *the general entry requirements*, the applicant must have completed a second-cycle degree, completed courses equivalent to at least 240 higher education credits, of which 60 credits must be in the second cycle, or have otherwise acquired equivalent knowledge in Sweden or elsewhere.

In order to meet *the specific entry requirements*, the general syllabus for doctoral studies in the field of meteorology stipulates that at least 90 points must be in one of the subjects meteorology, oceanography, physics or chemistry, at least 15 points must be in mathematics, and an independent project work corresponding to at least 15 points must have been completed. The requirements can also be met by acquiring the corresponding knowledge in some other way, in Sweden or abroad.

Only a person who will be or has already been admitted to a third-cycle program may be appointed to a doctoral studentship. The primary assessment criteria in appointing a doctoral student should be the capacity to benefit from the training.

Selection

The selection among the eligible candidates will be based on their capacity to benefit from the training. The following criteria will be used to assess this capacity: the candidates' documented knowledge in a relevant field of research, written and oral proficiency in both Swedish and English, the capacity for analytical thinking, the ability to collaborate, as well as creativity, initiative, and independence. The assessment will be based on previous experience and grades, the quality of the degree project, references, relevant experience, interviews, and the candidate's written motivation for seeking the position.

Admission Regulations for Doctoral Studies at Stockholm University are available at: www.su.se/rules.

Terms of employment

The term of the initial contract may not exceed one year. The employment may be extended for a maximum of two years at a time. The total period of employment may not exceed the equivalent of four years of full-time study.

Doctoral students should primarily devote themselves to their own education, but may also engage in teaching, research, and administration corresponding to a maximum of 20 % of a full-time position.

Please note that admission decisions cannot be appealed.

Stockholm University strives to be a workplace free from discrimination and with equal opportunities for all.

Contact

For more information, please contact Professor Michael Tjernström, michaelt@misu.su.se; note that MT is on a sabbatical in USA during the spring semester. For information on the PhD-study program you can also contact Professor Johan Nilsson, telephone: +46 8 16 1736, nilsson@misu.su.se.

Union representatives

Anqi Lindblom-Ahlm (Saco-S) and Lisbeth Häggberg (Fackförbundet ST and Lärarförbundet), telephone: +46 8 16 20 00 (operator), seko@seko.su.se (SEKO), and PhD student representative, doktorandombud@sus.su.se.

Application

Apply for the position at Stockholm University's recruitment system by clicking the "Apply" button. It is the responsibility of the applicant to ensure that the application is complete in accordance with the instructions in the job advertisement, and that it is submitted before the deadline.

Please include the following information with your application

- Your contact details and personal data

- Your highest degree
- Your language skills
- Contact details for 2–3 reference persons

and, in addition, please include the following documents

- Cover letter – state your interests why, and what you believe makes you suitable for this projects
- CV – degrees and other education, work experience and a list of degree projects/theses
- Degree certificates and grades confirming that you meet the general and specific entry requirements (no more than 6 files), and a list of completed courses
- Degree projects/theses (no more than 3 files).

Note that a research plan is not required; therefore, disregard that part of the web form.

The instructions for applicants are available at: [Instructions – Applicants](#).

You are welcome to apply!

Stockholm University – our education and research produce results.

Closing date: 02/05/2017

URL to this page <http://www.su.se/english/about/vacancies/vacancies-new-list?rmpage=job&rmjob=3031&rmlang=UK>