

PhD students in Atmospheric Science (2)

Ref. No. SU FV-1014-17

at the Department of Meteorology.

Closing date: 2 May 2017.

At the Department of Meteorology at Stockholm University, www.misu.su.se, we conduct research and education in an international environment within four main areas: atmospheric physics, dynamical 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 and 20 PhD students. The department is part of the Bolin Centre for Climate Research, www.bbcc.su.se, that together with three other departments at the university cover research of most of the important aspects of the climate system. The department also participates in SeRC, the Swedish e-Science Research Centre (e-science.se). More information about the PhD program at MISU can be found at: www.misu.su.se/education/phd-studies.

Project description

The Arctic climate has been changing rapidly, and it is unclear how current international climate stabilization agreements will affect the Arctic; will they lead to a stabilization also in the Arctic or are the feedbacks strong enough that an ice-free summer Arctic will appear in this century? To answer such questions, we need to understand the feedback processes much better and also understand the links between the global climate and the regional climate in the Arctic.

The successful candidates will focus on one of two aspect of Arctic climate:

1. Large-scale atmospheric dynamics and transport of heat and moisture into the Arctic;
2. The energy budget at the ocean/sea-ice/atmosphere interface. The tools can be analysis of observations, climate modeling, analysis of remote sensing or reanalysis products or a combination of all.

The successful candidates will work within the interdisciplinary project "Arctic Climate Across Scales (ACAS)", a collaboration between the Department of Environmental Science and Analytical Chemistry (ACES) and the Department of Meteorology (MISU), funded by the Knut and Alice Wallenberg Foundation, www.wallenberg.com/kaw/nya-satt-att-mata-ska-ge-battre-klimatmodeller.

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 Gunilla Svensson, gunilla@misu.su.se or Professor Rodrigo Caballero, rodrigo@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 references

and, in addition, please include the following documents

- Cover letter
- CV – degrees and other completed courses, work experience and a list of degree projects/theses
- Research proposal (no more than 3 pages) describing:
 - why you are interested in the field/project described in the advertisement
 - why and how you wish to complete the project
 - what makes you suitable for the project in question
- Degree certificates and grades confirming that you meet the general and specific entry requirements (no more than 6 files)
- Letters of recommendation (no more than 3 files)
- Degree projects/theses (no more than 3 files).

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=3060&rmlang=UK>