

## **Researcher in data assimilation, ref. no. 1719**

The research department of SMHI consists of about 100 researchers funded both internally and externally. We work normally in projects with focus on applied research, quality insurance and long-term perspective. The work environment is characterized by flexible working arrangements, responsibility and personal development. The unit for meteorological research conducts research and development of weather prediction models, assimilation of observations and applications of forecast data for Scandinavia and Europe. Today the group consists of 12 researchers. Information on the group can be found here: <http://www.smhi.se/en/research/research-departments/analysis-and-prediction>.

We are seeking a researcher in the field of meteorology or related area who will strengthen our research activities within atmospheric data assimilation. The work contains assimilation in our modelling system HARMONIE-AROME for regional reanalysis and for the operational weather forecast. Furthermore, the employed scientist will contribute with running and monitoring model runs, and with data analysis for reports. In the longer run we plan that the scientist will also work on the development of future data assimilation systems with flow-dependent error statistics. The work will give the possibility for specialization and development of expertise in different areas of data assimilation. Software systems are developed in Fortran, R and Python. We use Linux on high-performance cluster computers as well as on desktop computers. The development is done in close collaboration with other scientists in the group. The work will also include scientific publishing, support for production in ongoing projects, and the creation / maintenance of national / international networks.

The position is permanent at our office in Norrköping, Sweden.

### ***Your profile***

We are seeking a natural scientist/mathematician with focus on meteorology. The announced position requires knowledge of the physical, mathematical, and numerical aspects of complex physical systems such as weather prediction models. In addition, the job requires experience and interest in programming, in working with large systems and with a lot of data.

We attach great importance that you are goal-oriented and have a methodical approach. You should take responsibility for progressing your own work. As the work is done in close collaboration with the group of modelers at SMHI and with colleagues at other institutions within and outside Europe, high level of English is required both in spoken and written form. You should also be willing and able to learn Swedish at a working language level within 1 year of starting the position.

### ***Do you want to know more?***

If you want to know more, please contact head of the meteorological research unit Heiner Körnich ([heiner.kornich@smhi.se](mailto:heiner.kornich@smhi.se)). You can also contact personnel officer Susanne Gullmar. Union representatives for SACO is Lennart Robertsson and for ST, Torben Koenigk. All can be reached at phone 011-495 8000 or via email: [Firstname.Lastname@smhi.se](mailto:Firstname.Lastname@smhi.se).

## ***Your application***

Please submit your application marked with reference number 1719 latest October 20, 2017, by email to [Registrator@smhi.se](mailto:Registrator@smhi.se) or by post to SMHI, SE-601 76 Norrköping. The application should contain the application letter, CV with publication list, and addresses of two references.

SMHI welcomes all qualified applicants regardless of gender, disability, sexual orientation, religious belief or ethnicity.

SMHI informs continuously about the recruitment status on [www.smhi.se](http://www.smhi.se)