

## About us

Modern meteorology requires management and analysis of enormous amounts of data, and offers great and exciting professional challenges. Since the institute was established in 1866, the Norwegian meteorologists have played a key role in this development.

Norwegian Meteorological Institute is today a leading international environment of expertise in operational meteorology and climatology.

# Scientist/developer

## About the position

A permanent position (25% / 3 months per year) as scientist/developer in the field of chemical data assimilation in chemical transport models (CTMs) is open at the Norwegian Meteorological Institute (MET Norway).

MET Norway's main air pollution work is organized in the Division for Climate Modelling and Air Pollution. The division has several other tasks which are to some extent associated with modelling of air quality: modelling of transboundary transport of air pollutants on local, regional and global scales, Earth System modelling with the NorESM model, as well as emergency modelling related to nuclear accidents and volcanic eruptions. The Division for Climate Modelling and Air Pollution is part of the R&D Department, which is organized in projects and serves the operational segment of MET Norway as well as external project funders.

## Responsibility / work tasks

Modeling of transboundary transport of air pollutants on regional and global scales in EMEP has been a central task for MET Norway for many years. This modelling work provides the scientific and technical underpinning of the UN Convention on Long-range Transboundary Air Pollution (CLRTAP, [www.unece.org/env/lrtap/welcome.html](http://www.unece.org/env/lrtap/welcome.html)). MET Norway also delivers regional air quality forecasts and analyses in the European CAMS project (<http://atmosphere.copernicus.eu/>). In the CAMS-50 Regional Modelling project, the EMEP/MSC-W CTM delivers forecasts and analyses of air quality where observations of SO<sub>2</sub>, NO<sub>2</sub>, ozone and PM are assimilated. The successful applicant is expected to work on improving the data assimilation in the EMEP/MSC-W model, both with respect to the data assimilation routines themselves but also including new types of satellite and surface observations in the data assimilation.

## Qualifications

- PhD in natural sciences, mathematics, or informatics
- experience with chemical data assimilation in regional CTMs, both development and application
- scientific track record in dynamics, physics and/or chemistry of the atmosphere
- the successful applicant will be familiar with UNIX/LINUX, FORTRAN-90 and, preferably, python
- experience with High Performance Computing Environments, parallelization and optimization of model code is an advantage

In addition, the candidate must have

- good knowledge of the English language and good writing skills
- good communication skills, both related to research and presentations in general

Personal skills

- strong motivation
- ability to take responsibility and leadership, work independently and within a team
- ability to work in a result-oriented, accurate and structured way
- willingness to learn basic Norwegian

## Conditions

- salary on the governmental salary scales dependent on qualifications and experience (NOK 449.400 - 695.500 pr. year for a 100% position) higher salary can be negotiated in case the selected applicant has excellent qualifications
- membership in the governmental pension fund, SPK (2% deducted from gross salary), one of the best pension funds in Norway
- insurances and mortgage through SPK
- a pleasant working environment
- the first 6 months is a mutual trial period.

## Additional information

We emphasize diversity and therefore encourage all those who are qualified to apply - regardless of age, gender, functional capacity, ethnic background, sexual orientation or gaps in the resume. The Government has invited to a joint effort for inclusion and has set a target that 5% of

all new employees in the state should have impaired functional capacity or gaps in their resumes. The working conditions will be facilitated for employees with disabilities. Applicants who inform that they have reduced functional capacity will be invited to interview if they are qualified.

If any case an applicant does not wish to be registered on the public application list, the applicant will need to give a reasonable argued justification. Information about the applicant can still be published. If the wish to not be registered on the public application list is denied, the applicant will be informed prior to the disclosure.

For more details about the position, please contact Head of Division Hilde Fagerli (ph +47 92 02 65 97) or Director of Research Lars-Anders Breivik (ph +47 917 50 623).

The application must be submitted electronically, see [www.met.no](http://www.met.no) "Vacant positions".

**Please attach CV, list of publications and the names of two references.**

Jobbnorge-ID: 169463, Søknadsfrist: Søknadsfristen er gått ut