

Research Fellow (Atmospheric Science/
Geography/Meteorology/Environment)
Nanyang Technological University

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Posted Aug. 6, 2025, set to expire May 6, 2026

Job Title	Research Fellow (Atmospheric Science/ Geography/Meteorology/Environment)
Department	Earth Observatory of Singapore
Institution	Nanyang Technological University Singapore, , Singapore
Date Posted	Aug. 6, 2025
Application Deadline	Open untill filled
Position Start Date	Available Immediately
Job Categories	Research Scientist/Associate
Academic Field(s)	Geography
Job Website	https://ntu.wd3.myworkdayjobs.com/Careers/job/NTU-Main-Campus-Singapore/Research-Fellow--Atmospheric-Science--Geography-Meteorology-Environment-_R00021529
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Job Description	

The Earth Observatory of Singapore (EOS) is a University Research Institute at Nanyang Technological University that conducts fundamental research on earthquakes, volcanic eruptions, tsunamis, and climate change in and around Southeast Asia, towards safer and more sustainable

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societies. For more information on EOS please visit <http://www.earthobservatory.sg>.

The Air Pollution and Health team's research, led by Prof. Steve Yim, focuses on the interactions between climate and air quality, and the resultant impacts on public health and the ecosystem. The team's ongoing research is to develop, advance, and utilize the state-of-the-art multi-scale atmospheric models, along with measurement and statistical approaches, to understand the mechanisms that drive the climate-air quality interactions, and evaluate the impacts on human exposure, mosquito abundance, and soil acidity.

Particular interests are in investigating air quality impacts of sectoral emissions and transboundary air pollution at multiple spatial scales, studying regional climate change due to land-use changes and global climate change, and evaluating and quantifying the effects of air pollution on respiratory and cardiovascular diseases. The team also assesses and develops emission control scenarios to provide science-based policy solutions for a sustainable environment in the present and future years.

Key Responsibilities:

The position will be required to finish four tasks: (1) to implement air pollutant sensitivity calculations to emission sources in a chemical transport model; (2) to develop a climate projection and downscaling model; (3) to perform the developed model for different climate change and emission scenarios; and (4) to analyze the model results of various air pollutants and their health burdens under climate change. The position has to document the results of the four tasks in reports and publish papers in peer-review international journals.

Job Requirements:

- Have a Ph.D. degree in atmospheric science/ geography/meteorology/environment, or equivalent field.
- Have experience in the development of chemical transport models and climate models.
- As position requires stakeholder engagement in English, candidate must have excellent written and oral communication skills in English.
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Evidence of independence in research direction and team spirit.

- A candidate with recent publications in relevant areas within the past 5 years is advantageous.

EOS seeks a diverse and inclusive workforce and is committed to equality of opportunity. We welcome applications from all and recruit on the basis of merit, regardless of age, race, gender, religion, marital status and family responsibilities, or disability. Interested applicants should submit a CV and a statement of interests. Evaluation of application starts immediately until the position is filled.

We regret to inform that only shortlisted candidates would be notified.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

Singapore