

**Project research associate (Post-doctoral researcher) for
Center for Environmental Remote Sensing (CEReS), Chiba University**

[Recruitment]

Project research associate (Post-doctoral researcher)

[Aim of our research]

Our project aims to develop a CO₂ emissions estimation system using satellite observations as input data for contributing to the second and subsequent global stocktakes. We will newly develop a CO₂ transport model and CO₂ flux estimation model, and apply the developed system to satellite observation data such as GOSAT-GW and OCO-2/-3 to estimate CO₂ emissions in the Kanto region. Our project is funded by the Environment Research and Technology Development Fund (ERTDF) (2-2403), headed by Prof. Ryoichi Imasu from Univ. Tokyo.

[Post-doc task]

Sub-theme 1 of the 2-2403 project (sub-theme leader: Prof. Yosuke Sato, Hokkaido University) will develop a CO₂ transport model based on a weather and climate model, SCALE (Scalable Computing for Advanced Library and Environment), that can take into account CO₂ anthropogenic emissions and photosynthesis and respiration processes by vegetation. In parallel, we will improve the model and evaluate the accuracy of the model calculations based on comparisons with various observational data.

[Position]

Project research associate at Center for Environmental Remote Sensing (CEReS), Chiba University

[Employment period]

From the date of adoption to 31 March, 2025, but can be extended until 31 March, 2027 depending on his/her performance and the status of our project.

[Conditions for employment]

Working hours:

7.5 hours per day, 5 days per week

One month's salary:

~400,000 JPY (including housing subsidies, commutation allowances, and labor insurances)

[Application]

Submit the following documents by 8 May, 2024 by e-mail (To: nsaitoh'at'faculty.chiba-u.jp):

1. Curriculum vitae / Resume
2. Publication and presentation lists
3. Reprints of the first/corresponding author papers (within 3 papers)
4. Summary for the past and on-going researches (1-2 pages)
5. Names and contact information of two persons whom I can ask about an applicant

[Selection process]

Applicant screening and online interview.

We will inform of the result by e-mail.

[Contact]

Center for Environmental Remote Sensing, Chiba University

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