
**Job Vacancy Announcement
Research Associate**

The Earth System Division invites applications for the position of Research Associate as detailed below.

1. Position

A Contract Research Employee (Research Associate), Earth System Division

2. Research Topic

A study on atmospheric transport modeling and inverse analysis of greenhouse gases using a high-resolution model

3. Description of Research

Biogeochemical Cycle Modeling and Analysis Section engages in studies on atmospheric transport of greenhouse gases (GHGs) and sources & sinks of GHGs using an atmospheric transport model. A new three year project (SII-8) funded by the Ministry of the Environment, Japan will be launched in FY2021 aiming for development of a multi-scale greenhouse gas budget estimation system. We are looking for a scientist to work with us on this project who holds a PhD degree and with extensive experience and good skills in numerical modeling, inverse analysis, and/or data assimilation. The successful candidate will conduct GHG sources & sinks estimation using a high-resolution model and develop necessary modeling and analysis techniques. Active participation in international projects and research presentations in and out of Japan are preferable.

4. Qualifications

- (1) A PhD degree in Earth science (e.g., meteorology, atmospheric chemistry), physics, or mathematics**
- (2) Experienced and skillful in numerical modeling, model development, data assimilation, or inverse analysis**

5. Selection Process

The selection process will be by means of a screening of applications followed by individual interviews. We will inform those applicants whose applications have passed the initial screening process on details of the interview.

6. Application Process/Application Documents

Applicants are requested to submit the following documents by mail;

(1) CV (Prescribed format)

(2) A summary of research experience (approx. 2 pages in A4 size)

(3) A list of publications/presentations

(4) A copy of your 3 lead author papers

(5) Your career aspirations on this research project (approx. 1 page in A4 size)

(6) A list of references with details for two contact persons

*Please write "Application Documents for modeling & inverse analysis of GHGs" in red on the envelope.

(Submitted documents will not be returned. Application materials submitted by applicants other than the successful candidate will be properly discarded after selection is completed.)

Please list your past employments (names, addresses and periods) in the prescribed format CV. Indicate also if you had a contract with NIES other than an employment contract, such as collaborative researcher, visiting researcher, dispatch employee, contractor, etc.

7. Deadline

At any time. Applications will be closed when the position is filled.

8. Work Conditions and Related Regulations

Research Associates are treated as Contract Employees.

Rank (Working Hours): full-time (7 hours and 45 minutes per day)

The employee may be requested to work overtime and/or on holiday if necessary.

Compensation will be based on the Regulations Regarding Remuneration for Contract employees at NIES.

Basic remuneration for Research Associate: 15,120 ~ yen per day.

Probationary Period: 6 months

For other matters pertaining to this employment please ensure to refer to the Rules of Employment for Contract Employees at NIES and related regulations.

(Japanese only) <http://www.nies.go.jp/kihon/kitei/index.html>

9. Date of Commencement

The position will start as soon as possible after June 1, 2021.

10. Term of Contract

This is a contract position that, in principle, terminates at the end of the fiscal year (March 31, 2022). However, depending on the status of the research plan and performance evaluations, it may be possible for the Contract Employee to renew their yearly contract, although in principle, it cannot be extended past March 31, 2025.

11. Other

This work falls under the subject matter of Article 15-2 of the Act on Activation of Science and Technology and Innovation Creation.

(Japanese only) <https://elaws.e->

[gov.go.jp/search/elawsSearch/elaws_search/lsg0500/detail?lawId=420AC1000000063#98](https://elaws.e-gov.go.jp/search/elawsSearch/elaws_search/lsg0500/detail?lawId=420AC1000000063#98)

12. Contact Information

Applications should be directed to:

Dr. Yosuke NIWA

Earth System Division

National Institute for Environmental Studies

16-2 Onogawa, Tsukuba, Ibaraki 305-8506

Email: niwa.yosuke *Please add “@nies.go.jp” at the bottom of the address.

Phone: +81-29-850-2537

This is an English translation of a Japanese document. If there is a discrepancy between the two documents, the Japanese version takes precedence.