
Job Vacancy Announcement

Expert

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

1. Position and workplace

- Position: Contract Employee (Expert)
- Open Position: A few candidates
- Affiliation: Satellite Observation Center, Earth System Division
- Workplace: 16-2 Onogawa, City of Tsukuba, Ibaraki Prefecture 305-8506, Japan
- Scope of changes in work location: None

2. Research Topic

GOSAT Series data processing and research and development support for the estimation of anthropogenic emissions of greenhouse gases using atmospheric transport models

3. Description of Research and work duties

The Satellite Observation Center (SOC) has been promoting a series of three Earth observation satellite projects, collectively called GOSAT Series, consisting of the Greenhouse gases Observing SATellite "IBUKI" (GOSAT), the Greenhouse gases Observing SATellite-2 (GOSAT-2), and the Global Observing SATellite for Greenhouse gases and Water cycle (GOSAT-GW), as a responsible organization for the Satellite Observation Project (hereinafter referred to as the "Project") implemented by NIES, in collaboration with the Ministry of the Environment (MOE) and the Japan Aerospace Exploration Agency (JAXA). Details about the Project can be found on the SOC website: <https://www.nies.go.jp/soc/en/>

The successful candidates will support the processing of GOSAT Series data and the research and development of a system for the estimation of anthropogenic emissions using atmospheric transport models. The work will particularly focus on supporting the improvement of analytical methods to detect increases in concentrations of greenhouse gases such as carbon dioxide and methane due to anthropogenic emissions from GOSAT Series observational data. It will also put emphasis on providing support for the development of a system for the estimation of anthropogenic

emissions of those gases with atmospheric transport models by utilizing GOSAT Series data. The computing environment includes large-scale computers and computing servers on commercial cloud services. Note that multiple atmospheric transport models may be involved.

- Scope of changes in work duties: General administrative work excluding research

4. Qualifications

Applicants must meet all the following requirements:

- (1) Master's degree or higher in science and technology, or more than five years of experience in relevant fields of this work, at the time of employment
- (2) Experience with data processing using programming languages on UNIX servers
- (3) Experience with running computations using a job scheduler on a cluster system
- (4) Ability to communicate in English

5. Selection Process

The selection process will be by means of screening applications followed by individual interviews. Applicants whose applications have passed the initial screening process on details of the interview will be informed on a later date.

The final decision will be made around middle or late February 2026.

The selection process will focus on experience using atmospheric transport models, large-scale computers, or commercial cloud systems.

6. Application Documents and Process

Applicants are requested to submit the following documents as instructed below.

(1) CV (Prescribed format)

(2) A summary of previous achievements (2 pages in A4 size)

- List past employments (organization names, address, employment periods) in the prescribed format CV.
- Include information if having worked with NIES other than employment contract such as Visiting Researcher, Collaborative Researcher, Research Student, Interns, and dispatch employee.

To submit electronically, the applicant must email the contact person listed under “12. Contact Information” in advance for submission instructions by January 26, with the subject titled “Application documents for support for the estimation of anthropogenic

emissions of greenhouse gases.”

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

7. Deadline

All application documents **MUST** arrive by **January 30, 2026**.

8. Work Conditions and Related Regulations

- Expert is treated as Contract Employee.
- Working Hours: Full-time (7 hours and 45 minutes per day)
- Basic Remuneration: JPY 13,550+ per day
- Probationary Period: 6 months under same working conditions
- 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.
- Social insurance is provided in accordance with the National Public Officers Mutual Aid Association Act, the Health Insurance Act, the Employee's Pension Insurance Act, the Employment Insurance Act, and the Long-Term Care Insurance Act.
- Smoking is allowed only in designated smoking areas for secondhand smoking policy.
- 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) <https://www.nies.go.jp/kihon/kitei/index.html>

9. Date of Commencement

This position will start as soon as possible after **April 1, 2026**.

10. Term of Contract

This is a contract position that, in principle, terminates at the end of the fiscal year (March 31, 2027). However, depending on the status of the research plan and performance evaluations, it may be possible for the Contract Employee to renew the contract on an annual basis up to **September 30, 2028** (the maximum renewal limit). There will be no change to the maximum renewal limit.

The employment contract may be renewed only within the scope not exceeding the

fiscal year (April 1 to March 31) that includes the day before the employee reaches the age of 65. If the day before reaching the age of 65 has already passed at the time of hiring, the contract will be limited to one fiscal year.

11. Others

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

(Japanese only) <https://elaws.e-gov.go.jp/document?lawid=420AC0100000063>

12. Contact Information

Applications and any inquiries should be directed to the following persons.

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