
Job Vacancy Announcement

Research Associate or Junior Research Associate

The Center for Climate Change Adaptation invites applications for the position of Research Associate or Junior Research Associate as detailed below.

1. Position

**A Contract Research Employee (Research Associate or Junior Research Associate),
Center for Climate Change Adaptation**

2. Research Topic

**Development of Climate Scenarios by Statistical Downscaling Methods Using
Machine Learning**

3. Description of Research

We are looking for a Research Associate or Junior Research Associate who is to develop climate scenarios for climate change impact studies. The successful candidate will take the roles related to the development of new downscaling methods using statistical methods. Specifically, the successful candidate will use statistical techniques including machine learning and deep learning to estimate and validate surface weather variables using multiple weather variables and terrain factors with coarse resolution. The main target region is Japan.

4. Qualifications

- (1) Hold PhD for Research Associate. (Hold master's degree for Junior Research Associate)**
- (2) Experienced working with both Linux systems and program languages such as Fortran and Python for model development, simulations, and analysis.**
- (3) Have the ability to communicate in either Japanese or English and disseminate research results.**

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 list of academic achievements (Include papers, books, and technical reports but exclude abstracts of oral presentations.)

(3) A summary of academic achievements (Highlight the novelty and originality of major academic achievements; maximum 1 page)

(4) A statement of research capabilities (Specify how to make use of your skills and experiences for the abovementioned work; maximum 1 page)

(5) Hard copy of papers (maximum 3)

*Please write "Application form of Development of Climate Scenarios Using Statistical Downscaling Methods" in red on the envelope and send by postal mail.

(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, 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, etc.

7. Deadline

Application is open until filled.

8. Work Conditions and Related Regulations

Research Associates and Junior Research Associate are treated as Contract Employees.

Rank (Working Hours):

- | | |
|-----------------------------|--|
| * Research Associate | Exempt Working Hours (Weekdays) |
| * Junior Research Associate | 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 decided for payment based on the Regulations Regarding Remuneration for Contract employees at NIES.

Basic remuneration for Research Associate: 4,776,000~ yen per annum.

Basic remuneration for Junior Research Associate: 13,470~ yen per day.

Probation: 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.

See: <http://www.nies.go.jp/kihon/kitei/index.html>

9. Date of Commencement

The position will start as soon as possible after May 1, 2023.

10. Term of Contract

This is a contract position that, in principle, terminates at the end of the fiscal year (March 31, 2024). 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 exceeding five years of service.

11. Others

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

12. Contact Information

Applications should be directed to:

Dr. Noriko ISHIZAKI

Center for Climate Change Adaptation

National Institute for Environmental Studies

16-2 Onogawa, Tsukuba, Ibaraki 305-8506

Email: [ishizaki.noriko](mailto:ishizaki.noriko@nies.go.jp) *Please add "@nies.go.jp" at the bottom of the address.

Phone: +81-29-850-2989

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