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## **Job Vacancy Announcement**

### **Research Associate/Junior Research Associate**

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

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#### **1. Position**

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

#### **2. Research Topic**

**Research on the Development and Use of Climate Scenarios**

#### **3. Description of Research**

We are looking for a Research Associate or Junior Research Associate to conduct research on either (i) the development of climate scenarios using regional reanalysis data; or (ii) the prediction of weather that cause damage to fruit trees. The successful candidate will work on specific research tasks as below.

- (i) To develop and improve past and future climate scenarios using regional reanalysis data which will be developed by the *Climate change actions with CO-relation powered by Regional weather information and E-technology (ClimCORE)*. Using regional reanalysis, the successful candidate will work on two or all tasks from a-c: a. data analysis; b. numerical simulation using regional climate models; and c. impact assessment, for weather events that have had significant societal impacts in the past. The research results and findings will be disseminated to the society including the local climate change adaptation centers.
- (ii) To analyze the characteristics of the background and regionality of past cases that caused damage to fruit trees from a meteorological or biometeorological perspective, and to investigate the expected future trends in frost occurrence. The analysis will be based on various dataset including the regional reanalysis

data and the large ensemble dataset. Depending on the interests and skills of the successful candidate, the research will also expand to various sensitivity experiments using numerical regional climate models, the generation of forecast information for the frost using numerical forecast data, and research into extreme weather phenomena other than frost damage.

Applicants should have relevant knowledge of meteorology, physics, agronomy, statistics, etc., and be highly motivated, interested and proactive in carrying out model simulations. They should also be willing to write regular papers based on their research findings.

#### **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 as instructed below.

- (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 Research on the Development and Use of Climate Scenarios" 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 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, etc.

#### 7. Deadline

Application is open until filled.

#### 8. Work Conditions and Related Regulations

Research Associates and Junior Research Associates 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: 4,968,000 ~ yen per annum. Basic remuneration for Junior Research Associate: 14,060 ~ 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 April 1, 2024.

#### **10. Term of Contract**

This is a contract position that, in principle, terminates at the end of the fiscal year (March 31, 2025). 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 the Creation of Science and Technology Innovation.

(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. Noriko ISHIZAKI**

**Center for Climate Change Adaptation**

**National Institute for Environmental Studies**

**16-2 Onogawa, Tsukuba, Ibaraki 305-8506, Japan**

**Email: ishizaki.noriko \*Please add “@nies.go.jp” at the bottom of the address.**

**Phone: +81-29-850-2989**

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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.