

## Call for Applications: Postdoctoral Researcher, Center for Environmental Remote Sensing (CEReS), Chiba University

### [Job Description]

Chiba University invites applications for a Researcher to work on the project “*Reducing Climate Projection Uncertainty with Data Assimilation as Emergent Constraints*” (funded by the Environmental Research and Technology Development Fund), starting in 2025.

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#### 1. Number of Positions:

One (1)

#### 2. Research Fields:

- Natural Sciences in general / Atmospheric and Hydrospheric Sciences
- Infrastructure Development / Hydraulic Engineering

#### 3. Duties:

The project aims to advance the methodology of *Emergent Constraints* for reducing climate projection uncertainty by applying data assimilation techniques. Depending on the applicant’s interests, the research may focus on one or more of the following themes:

- Development of methodologies for reducing climate projection uncertainty using Emergent Constraints with data assimilation
- Impact assessment of novel atmospheric observations and optimization of observation networks
- Development of cloud-resolving models incorporating water isotopes
- Drone-based observations of cloud and precipitation processes
- Estimation of climate model parameters using water isotope information

#### 4. Qualifications:

- **Degree:** Applicants must hold (or be expected to obtain shortly) a Ph.D. in Atmospheric/Hydrospheric Sciences, Hydraulic Engineering, or a related field.
- **Experience:** Applicants should have research achievements in one of the following areas: weather forecasting, climate change projection, atmospheric/climate modeling, or data assimilation. However, candidates without prior experience in these areas will also be considered if they demonstrate strong interest and motivation.

#### 5. Expected Start Date:

January 1, 2026 (negotiable; early start is welcome).

#### 6. Employment Period:

The contract is annual (until March 31 of each fiscal year). Renewal may be possible depending on performance, research needs, and available funding.

#### 7. Terms of Employment:

1. **Title:** Postdoctoral Researcher (full-time)
2. **Salary:** In accordance with Chiba University’s regulations for fixed-term employees, determined based on years of experience.

3. **Working Hours:** 8:30–17:15, five days per week, 7 hours 45 minutes per day (discretionary work system for professional work applies).
4. **Holidays:** Saturdays, Sundays, national holidays, year-end/New Year holidays.
5. **Leave:** Annual leave in accordance with university regulations.
6. **Allowances:** Commuting allowance (if conditions are met, as per university rules).
7. **Insurance:** Membership in Mutual Aid Association, Employment Insurance, and Industrial Accident Compensation Insurance.

#### 8. Selection Procedure:

Screening will be based on submitted documents and interviews. Applicants residing far from Chiba may be interviewed online.

#### 9. Application Documents:

- (1) Curriculum Vitae (use the designated form available on the CERE S website).
- (2) List of research achievements (free format; separate peer-reviewed papers from others).
- (3) Copies of three major papers (photocopies accepted; preferably first-author or sole-author papers).
- (4) Statement of past research achievements and future plans (approx. one A4 page in total, free format).
- (5) Names, affiliations, and contact information of two references.

#### Notes:

- For (2), providing a URL (e.g., researchmap) with equivalent information is acceptable.
- Please use the subject line “Application for Postdoctoral Researcher Position.”
- All submitted documents will be handled responsibly and disposed of after the selection process.

#### 10. Application Deadline:

October 31, 2025 (applications must arrive by this date). However, the call may close earlier once a suitable candidate is found.

#### 11. Submission Address:

Atsushi Okazaki

Center for Environmental Remote Sensing (CERE S), Chiba University

1–33 Yayoi-cho, Inage-ku, Chiba 263–8522, Japan

*Please write “Application Documents for Specially Appointed Researcher” in red on the envelope, and send by registered mail.*

#### 12. Contact Information:

- **Research-related inquiries:**

Atsushi Okazaki, Center for Environmental Remote Sensing (CERE S), Chiba University

Tel: +81–43–290–3834

E-mail: atsushi.okazaki[at]chiba-u.jp (replace [at] with @)

- **Employment-related inquiries (salary, benefits, etc.):**

Yuji Wakatsuki, Center Affairs Section, Administrative Office for Science and Engineering, Nishi-Chiba Campus, Chiba University

Tel: +81–43–290–3832

E-mail: bee3832[at]office.chiba-u.jp (replace [at] with @)

#### 13. Additional Information:

- Travel expenses for interviews will not be reimbursed.
- Salary will follow university regulations and depend on years of experience. For a researcher in the first year after obtaining a Ph.D., the annual salary is expected to be around 5.28 million JPY. Salary increases may be possible depending on achievements.