



Projet de recherche post-doctorale Postdoctoral research project

**The Africa Center of Excellence for Water Management (ACEWM)
Addis Ababa University**

Call for Proposals: Post-Doctoral Research Fellowship

Project: Doctoral Alliance for Climate Adaptation (ADAC)

Funded by: Fonds Expertise France of the French Ministry of Europe and Foreign Affairs

About the Project:

The Africa Center of Excellence for Water Management is seeking to recruit a post-doctoral fellow for a period of up to twelve months for the project "**Doctoral Alliance for Climate Adaptation**" (ADAC).

This research project, funded by the Fonds Expertise France, involves a consortium of 10 institutes across East and the Horn of Africa. The consortium is dedicated to post-graduate training and solution-oriented research on Climate Adaptation, focusing on Priority Adaptation and Innovation Areas (« ZAPIs »). The Genale Basin has been selected as the Highland ZAPI for this fellowship.

Qualified candidates are invited to apply as per the information below.

I. Terms of Reference

1. Context and Justification

Disasters linked to the combined impacts of climate change, variability, and globalization is increasing in severity. Vulnerable populations are disproportionately affected by droughts, floods, heat waves, and the growing anthropization of socio-ecological systems.

In this context, the **Doctoral Alliance for Climate Adaptation (ADAC)** mobilizes research and higher education institutions to strengthen community and ecosystem resilience. The initiative develops science-based solutions and integrates them into decision-making processes.

This postdoctoral project is a key component of ADAC's collaborative framework. It focuses on developing local and regional adaptation solutions within the designated Priority Adaptation and Innovation Zones (ZAPIs). The project aims to explore, test, and promote innovative approaches to climate resilience, contributing significantly to the understanding of climate impacts and the development of applied adaptation solutions.

2. Objectives





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The ADAC postdoctoral project aims to promote research and innovation in climate adaptation and foster a new multidisciplinary community dedicated to this field. The successful candidate will conduct collaborative, excellence-driven research to support socio-ecological sustainability. Specific objectives include:

- Developing novel methods and approaches to strengthen climate resilience (e.g., promoting local knowledge, ecosystem management, health, risk management, resilient infrastructure, and renewable energies).
- Improving the analysis of climate impacts on socio-ecological systems from local to regional scales, and contributing to the development of relevant, affordable adaptation solutions.
- Implementing pilot actions to test new adaptation strategies.

3. Methodology

The research will be conducted in a multidisciplinary and participatory context, based in the **Genale Basin (Highland ZAPI)**. Activities will include:

- Collection of field data in collaboration with local communities, and publication of data on the ADAC/ZAPI portal.
- Analysis of biophysical and socio-economic data.
- Development of models or scenario analyses linking climate to socio-ecosystems to identify region-specific risks.
- Co-construction of adaptation solutions with local actors (e.g., climate-smart agriculture, sustainable water resource management).

4. Responsibilities and Expected Results

Responsibilities of the Postdoctoral Fellow:

- Conduct in-depth research on climate impacts and adaptation solutions within the project framework.
- Integrate at least one ZAPI into the project implementation.
- Contribute data and findings to the ADAC open science database and portal.
- Collaborate actively with local stakeholders (experts, NGOs, policymakers, communities).

Expected Results & Deliverables:

- Contributions to the ADAC open science database and portal.
- A final summary report of the project's main conclusions and implications for adaptation.
- Scientific publications in international peer-reviewed journals.
- Presentation of results at academic conferences and multi-stakeholder workshops.

5. Eligibility and Remuneration



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This form must be signed by both the Principal Investigator (PI) and the postdoctoral candidate. It is the basis for assessment by the Scientific and Steering Committees.

1. Project Information

- **Project Title:** [Descriptive Title]
- **Main Adaptation Theme(s):** (Select all that apply)
 - ☐ Climate-smart agriculture
 - ☐ Sustainable water resources management
 - ☐ Infrastructure adaptation
 - ☐ Public health and climate change
 - ☐ Biodiversity protection
 - ☐ Urban planning and climate resilience
 - ☐ Other: [Please specify]
- **Keywords:** (Max. 5)
- **Expected Project Duration:** [Number of months]
- **Expected Start Date:** [Date]

2. Project Summary

(Max. 300 words)

Briefly describe the project's main objectives, the core issues it addresses, and the expected results.

3. Project Objectives

- **Overall Objective:** The primary goal in terms of climate adaptation.
- **Specific Objectives:** Measurable and achievable objectives for the postdoctoral fellowship period.

4. Methodology

- **Methods and Tools:** Describe the research methods (e.g., climate modeling, field studies, and data analysis).
- **Study Area:** Specify the ZAPI(s), geographical regions, and communities (rural/urban) involved.



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- **Partnerships:** List any collaborating research institutions, NGOs, public bodies, or community groups.

5. Relevance and Expected Impact

- **Adaptation Issues:** Describe the specific climate risks (e.g., drought, flooding, soil degradation) and sectors addressed.
- **Expected Scientific Results:** Detail anticipated outputs (publications, reports, new datasets).
- **Innovation:** Explain the project's scientific innovation (e.g., new methodologies, technologies, or social approaches).
- **Contribution to Solutions:** Describe how the project will lead to finalized, practical adaptation solutions.

7. Funding and Budget

Provide a table of estimated expenses based on the fellowship's Terms of Reference.

8. Project Schedule

Provide a timeline (e.g., Gantt chart) of the main project stages (fieldwork, analysis, reporting, publication submission).

9. Required Annexes

- Curriculum Vitae of the postdoctoral fellow.
- List of most relevant and recent publications (max. 10 total).
- Any other document deemed relevant for evaluation.

Submission Deadline: September 10

Submit Applications to: feleke.zewege@aau.edu.et, dessie.nedaw@aau.edu.et



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