



INTEGRATED WATER RESOURCES MANAGEMENT AND EARLY WARNING SYSTEM FOR CLIMATE CHANGE RESILIENCE IN THE LAKE CHAD BASIN

**Host Institution: Lake Chad Basin Commission (LCBC)
as Executing Entity**

**TERMS OF REFERENCE
FOR THE RECRUITMENT OF A SPECIALIST IN INTEGRATED
WATER RESOURCES MANAGEMENT**

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1. CONTEXT AND JUSTIFICATION

The Lake Chad basin is highly vulnerable to the impacts of climate change due to its exposure to water-related hazards, and limited adaptive capacity of its communities. While national efforts are being taken to reduce the negative effects of extreme events such as floods and droughts, further action and regional collaboration at the transboundary scale are needed to build climate-resilient communities through integrated water resources management and climate adaptation measures, improved policies and practices, and an inclusive and participatory approach for end-to-end people-centred early warning systems.

Lake Chad is a major economic pillar for the six countries in the Lake Chad Basin Commission (LCBC). Climate change is adversely impacting the Lake Chad Basin, threatening the sustainable development of local communities. It is now certain that the average annual temperature in the region will be higher in the future, resulting in increased evapotranspiration and a complex range of impacts on the production systems and economy of the Lake Chad Basin. According to 6th Assessment Report of the Intergovernmental Panel on Climate Change (IPCC, 2021), drought frequency and intensity are also expected to increase in the Central Africa region. This, in conjunction with higher temperatures and increased evaporation, will very likely lead to further shrinkage of the lake. Extreme events will likely increase in frequency; more frequent droughts and flooding are expected to have negative impacts on food and water security, migration, and livelihoods in the region. Quality hydrometeorological data are crucial for understanding and documenting these impacts and associated vulnerabilities, as well as for the efficient management of water resources and for planning the optimal mobilization to meet all uses.

This situation has led the Lake Chad Basin Commission and its technical and financial partners to analyse the prevailing situation in this basin, which affects its member countries. The conclusions of the reflection led to the development and implementation of the project ***Integrated Water Resources Management and Early Warning System for Climate Change Resilience in The Lake Chad Basin.***

The objective of the proposed project is to increase the resilience of the population in the Lake Chad Basin by enhancing the countries' capability to manage and adapt to climate-related risks through improvement of hydrological monitoring, data systems and service delivery and awareness on climate-related hazards. In particular, the project will promote the integrated management of floods and droughts by improving the availability of hydro-climatological information through monitoring and data systems as well as forecast and prediction systems, thus contributing to climate resilience in the region.

The project is intended to increase the resilience of the population in the Lake Chad Basin and contribute to enhancing the countries' capability to manage and adapt to climate-related risks through the following four (4) components:

- **Component 1: Strengthening regional hydrometeorological observing and information systems;**
- **Component 2: Identification and development of hydrometeorological products and services;**
- **Component 3: Awareness raising with decision makers, lawmakers and water users on the importance of hydrometeorological information and services (communication and timely diffusion of appropriate products and services to end users).**
- **Component 4: Plans and communities' response capacity.**

As the Adaptation Fund Implementing Entity, the World Meteorological Organization (WMO) provides overall fiduciary oversight for the project and works closely with LCBC and GWP-Caf to ensure that implementation is carried out in line with agreed project and donor requirements. In this context, the project benefits from strengthened risk management, procurement oversight, and compliance arrangements, designed to support effective delivery, transparency and accountability across all partners.

The LCBC as executing entity in close collaboration with WMO and Global Water partnership Central Africa (GWP-Caf), is responsible for the planning and organization of the overall technical design and implementation of the Lake Chad AF Project activities including system design, development through internal or external partners identified by the three partners according to the annual work plans. It will also coordinate and implement regional and national project activities related to monitoring and data systems, integrated water resources management and early warning system development.

The Specialist will operate within the project's agreed implementation arrangements, working in close collaboration with LCBC, WMO and GWP-Caf to support coordinated delivery of project activities. The role contributes to the effective implementation of technical, operational and coordination tasks in line with these arrangements.

LCBC as Executing Entity will host under the supervision of the Technical Director, a team led by:

- i. Head of Division Lake Chad Basin Observatory (part-time) as project Coordinator.
- ii. Specialist in Integrated Water Resource Management, project officer (full time).
- iii. Assistant Accountant & Administrative Officer (full time).

The LCBC as Executing Entity, envisaged to recruit an Expert specialist in Integrated Water Resources Management to implement the overall technical design and the Lake Chad AF Project activities including system design and development.

The present Terms of Reference are related to the recruitment of an Expert specialist in Integrated Water Resources Management.

2. Duties and responsibility

Under the supervision of the Lake Chad Basin Observatory and in close collaboration with other LCBC Experts, the specialist in Integrated Water Resources Management shall participate in project development activities as outlined in these ToR. He/she shall perform his/her duties and responsibilities in accordance with the provisions of the Project Document, the WMO/LCBC Agreement.

The Project Officer will support LCBC's role as Executing Entity for the Lake Chad Adaptation Fund Project. Under the guidance of LCBC leadership and in close coordination with the WMO Project Manager (and GWP-Caf project officer), the incumbent will:

- Facilitate and monitor LCBC-led project activities in accordance with the approved work plan and budget.
- Facilitate collaboration with national authorities and regional stakeholders in the five participating countries (Cameroon, Chad, Central African Republic, Niger, and Nigeria).
- Contribute to the preparation and reviewing of project deliverables, including concept notes, terms of reference, progress reports, technical outputs, workshops, and monitoring tools.
- Support documentation, reporting, knowledge-sharing, and regional coordination efforts.
- Coordinate communication needs of the project in collaboration with LCBC communication experts.
- Assist in organizing Steering Committee meetings and technical workshops.
- Contribute to project monitoring, evaluation, and risk management in coordination with WMO, LCBC and GWP-CAf.
- Support the identification and follow-up of implementation risks and contribute to their timely resolution in coordination with project partners.
- Ensure that project documentation and deliverables are maintained in line with agreed standards to support transparency and reporting.
- Liaise with LCBC leadership and provide regular project updates and briefings.
- Support procurement-related processes in coordination with project partners, ensuring that activities are carried out in line with agreed procedures and documentation requirements.
- Facilitate and ensure the project documents bilingualism (E/F) for stakeholders (official reporting language to AF is English).
- Ensure cross-sectoral coordination both internally and externally with other LCBC and national programs and projects to achieve greater synergy and a greater impact.
- in relation to the knowledge manager, develop and disseminate tools to support strategic and policy decision-making and / contribute to strengthen the knowledge needed for a common vision of the development of the Lake Chad Region.
- Provide technical support to the Lake Chad AF Project Coordination Unit and the Member States, in order to facilitate planning, coordination and complementarity of interventions carried out in the Lake Chad region.

3. Qualifications and Experience

- Advanced university degree in water resources management, environmental sciences, hydrology, geology, meteorology, project management, or a related field.
- Minimum of 5 years of relevant experience in managing or supporting regional or international development projects, including those funded by multilateral or UN organizations.
- Demonstrated experience working with governmental or intergovernmental institutions, particularly in West and Central Africa.
- Familiarity with LCBC is an asset.
- Knowledge of climate adaptation, hydrological hazards, and transboundary water governance.
- Excellent written and oral communication skills in both French and English (working languages of the project).
- Strong organizational and coordination skills, with the ability to work under pressure and manage multiple tasks effectively.
- Proof of experience in the area of knowledge management or database software is strongly preferred.
- Have practical knowledge of the participatory approach.
- Have a good knowledge of IT tools.
- Ability to work under pressure, effectively in a team and in a multidisciplinary and multicultural environment.
- Be proactive.
- Be open-minded and a very good listener.
- Familiarity with donor-funded project requirements and reporting standards is an asset.
- Applications are welcomed from qualified women and men, including persons with disabilities.

4. Accountability and reporting

- Establish a format for periodic reports and documentation on the implementation of the Project.
- Ensure that Project activities are reported at the frequency agreed with WMO, generally by drafting periodic reports (monthly, quarterly and annual, and minutes of project coordination meetings) to monitor Project activities.
- Prepare technical data sheets for Project monitoring and review progress reports on deliverables.
- Coordinate the preparation and effective conduct of joint reviews and monitor the execution of their conclusions and recommendations.

5. Knowledge sharing and capacity building

- Develop and share training materials for use by the Lake Chad AF Project team, particularly in the area of hydrometeorological monitoring and early warning system.
- identify capacity-building needs both within the LCBC and among beneficiaries in LCBC member States.

- Promote communication and the exchange of experiences between WMO as Implementing Entity, on the one hand, and the LCBC, on the other, with a view to improving the effectiveness of interventions.
- In collaboration with the Basin Observatory, facilitate the sharing of knowledge between the LCBC, the think tanks and the universities involved in the countries, as well as the lessons learnt from the implementation of Lake Chad AF Project and any other development projects in the region.
- Contribute to the management of the Project's technical documentation in the regional databases, Lake Chad Information System (LIS).

6. Transversal

As part of his/her duties, the Integrated Water Resources Management specialist will also be required to carry out the following tasks:

- Contributing to the development of operational plans for each component of the Project.
- Drafting terms of reference for the recruitment of consultants.
- Participating in the preparation and execution of Annual Work Plans and Budgets (AWPB).
- Participating in the preparation of terms of reference, specifications and tender documents for services and supplies.
- Contributing to the monitoring and supervision of service and supply providers.
- Follow up the activities of consultants involved in the implementation of the Project.
- Participating in the supervision and review missions.

7. Duration of the expert's assignment

The assignment is for 12 months, renewable subject to satisfactory performance evaluation and subject to availability of project funds.

8. Duty station

The vacancy is based in N'Djamena, the headquarters of the Lake Chad Basin Commission.

9. Administrative provisions

All administrative matters will be handled by the Executive Secretariat of LCBC. The Secretariat will facilitate the Expert's official travel to the Organisation's member countries.

An office will be allocated to him/her on the LCBC's premises.