



**Republic of Liberia**

**ENVIRONMENTAL PROTECTION AGENCY  
Monrovia, Liberia**

**(CONSULTING SERVICES)**

**NAME OF PROJECT: ENHANCING CLIMATE INFORMATION SYSTEMS FOR  
RESILIENT DEVELOPMENT (LIBERIA CIS )**

Assignment Title: **Local Consultants to Develop and Operationalize an Automated  
Decision Management System for Climate Services**

Financing Agreement reference:  
Project ID No: SAP018  
Reference No. EPA/CIS/ICS/2025/005  
Issue Date: **Monday, April 6, 2026**  
End Date: **Monday, April 13, 2026**

## **1. Background**

The Environmental Protection Agency (EPA) in Liberia was created by an act of the Legislature on November 26, 2002, and published as a handbill on April 30, 2003, to ensure sound environmental management and sustainable use of natural resources. The EPA functions to ensure long-term economic prosperity through sustainable development and establish a legal framework for environmental management.

The EPA received funding from the Green Climate Fund to implement a five-year project called "Enhancing Climate Information Systems for Resilient Development in Liberia" (the Liberia CIS Project).

The Liberia CIS Project is a US\$11,431,969 GCF, AFDB, and GOL-funded project that aims to increase the resilience of Liberia's population and infrastructure to climate change. In particular, the project will strengthen the country's adaptive capacities to integrate better long-term climate risk reduction and adaptation measures in national planning and development through the development of a well-functioning Multi-Hazard Impact-Based Forecasting and Early Warning System (MH-IBF-EWS).

The implementation of the project will entail training and equipping the existing Liberia Meteorological Service (LMS), Liberia Hydrological Service (LHS), Environment Protection Agency (EPA) and National Disaster Management Agency (NDMA) to collect weather and climate data; introduce and maintain modelling, forecast weather events and provide early warnings systems; and scale-up evidence-based climate-informed decision-making, planning, and response actions Countrywide. The objective of the project is to strengthen Liberia's climate-related observation and monitoring capabilities, early warning and early action systems, and other environment-related information systems. The objective seeks to drive a paradigm shift towards evidence-based climate-informed decision-making, planning, and response by integrating green growth, environmental resilience, and adaptation into national development planning through effective climate information systems in Liberia.

## **2. Purpose of the Consultancy**

The local consultant will work with the International Consultant to streamline climate data analysis, decision-making processes, and dissemination of early warnings and advisories to stakeholders and vulnerable communities across the country. This consultancy aims to establish a basis for targeted interventions and to support the monitoring, evaluation, and reporting of project activities and outputs under the Green Climate Fund Simplified Approval Process (SAP) Project (SAP018 "Enhancing Climate Information Systems for Resilient Development in Liberia (Liberia CIS)").

## **3. The Scope of the Services to be performed**

The local consultant will work closely with the international consultant and the EPA through the PIU to gather the relevant information needed to perform the study as stated below.

### **A. Baseline Assessment and Needs Identification**

- Collaborate with the international consultant to review institutional workflows across the EPA, LMS, LHS, and NDMA.
- Map the availability of data, its current usage of weather and climate information, and identifying operational gaps.
- Engage sectorial stakeholders (MoA, LWSC, MOH, MOT, etc.) to define information requirements and decision thresholds.
- Produce a diagnostic report to guide the system design and operational parameters.

### **B. System Design and Architecture Development**

- Design the architecture for the ADMS tailored to national and sector-specific priorities.
- Define decision protocols and thresholds for impact-based climate services.
- Recommend software and hardware specifications for the system deployment.

- Ensure the system aligns with international standards for interoperability and metadata exchange.

### **C. Data Integration and Modeling**

- Integrate historical, real-time, and forecast climate and hydrological data into the ADMS.
- Establish linkages with observation networks, remote sensing databases, and regional modeling centers.
- Develop data analytics tools and models for risk mapping, alert generation, and scenario building.

### **D. Automation of Decision Support Tools**

- Develop automated workflows to convert forecast data into decision-support outputs.
- Embed rules and algorithms that issue sector-specific early warnings and operational guidance.
- Configure the system to send outputs via preferred communication channels (e.g., dashboards, SMS, email, API).

### **E. Capacity Building and Training**

- Develop tailored training materials for climate service providers and end-users.
- Conduct hands-on training sessions for system administrators and technical staff.
- Facilitate simulation exercises to test institutional readiness and response mechanisms.

### **Minimum Qualification, Skills and Experience:**

The completion of this work dependent on an Individual. The selected person should have a minimum of a Master's degree in Geospatial Science, Climate Informatics, Computer Science and other related field.

The successful Individual should have at least 8 years of cumulative working experience developing automated decision management system and a very good knowledge in analyzing geospatial data with extensive knowledge on the Liberian environment.

Also, the individual should have the following:

- a) Excellent knowledge of spatial data analysis, climate informatics modeling and computer science.
- b) Experience in conducting quantitative and qualitative research and analysis.
- c) Excellent communication (written and verbal) skills and fluency in English.
- d) In-depth knowledge and understanding of Liberia's environmental sectors.

e) Proactive, able to work with minimal supervision, and with a high degree of initiative, reliability, flexibility, and self-motivation.

Professionalism: the ability to make ad-hoc changes as and when the need arises; the ability to perform under stress; and the willingness to keep flexible working hours.

**Duty Station:** Monrovia  
**Start Date:** Monday, April 20, 2026  
**End Date:** Monday, June 21, 2026  
**Duration of Assignment:** 10 Weeks

The Environmental Protection Agency (EPA) now invites eligible individual consultants to indicate interest in providing these services by submitting their Curriculum Vitae (CV), demonstrating experience in performing similar assignments with references, and showing responsiveness to the qualifications requirements outlined in this REOI. Eligibility criteria and the selection procedure shall be in accordance with the African Development Bank's "Procurement Policy Framework for Bank Group Funded Operations" October 2015, which is available on the Bank's website at <http://www.afdb.org>.

Further information can be obtained at the address below during office hours, i.e. from 0900 to 1700 hours (GMT) on working days.

Expressions of interest must be delivered in a written form to the address below by either hard copy or email by **Monday, April 13, 2026, @ 1700 hours** (GMT) and mention "Provision of Local Consultancy to develop and operationalize an Automated Decision Management System for Climate Services (Liberia CIS Project)."

**Attn. Williema Digker**  
**CIS Procurement Officer**  
**Environmental Protection Agency**  
**Monrovia, Liberia**  
**E-mail: [info.cis2025@gmail.com](mailto:info.cis2025@gmail.com)**