



# **TERMS OF REFERENCE FOR CONSULTANCY SERVICE TO DEVELOP A CLIMATE CONFLICT INCIDENT DATA SCANNING TOOL**

## **1. Introduction**

The Conflict Early Warning and Response Mechanism of IGAD is in the process of developing a climate – conflict incident data scanning and collection tool in selected IGAD climate conflict vulnerable clusters. To this end, CEWARN has received a grant from the Government of Ireland through its Embassy in Addis Ababa towards part of this initiative. CEWARN is therefore desirous to recruit a consultant expert or firm, specialized in developing incident data collection tools towards this initiative. The consultant shall design and develop a tool with the capabilities of collecting data from multiple media sources and platforms with specific focus on the selected IGAD region’s remote and hard to reach cluster study areas. The tool should allow for geolocation mapping, visualization and analysis of incidents.

## **2. Terms of reference**

The consultant is expected to execute the following tasks in addition to any additional tasks related to the project that may arise from time to time within the limits of the budget and time; the main objectives of the consultancy is to develop a tool and data collection module with the specifications outlined below.

The tool should have the following capabilities;

- Multi-Source Data Inputs
- Automated Data Feeds:
- Incident Categorization and Tagging.
- Geolocation and Mapping.
- Data Analytics and Reporting.
- Carryout realtime data analysis and reporting.
- Capabilities of incident forecasting.
- Early Warning and Notification System.
- The tool should have enhanced data security and privacy features.

## **3. Scope of work**

The consultant will develop the data scanning tool with coverage of four pilot regions, representing high-risk sub-ecosystems with cross-border dynamics:

- Aweil (Sudan-South Sudan).
- Karamoja South (Uganda-Kenya).
- Assosa (Sudan-Ethiopia).
- Mandera (Kenya-Somalia).

The geospatial visualization of conflict probability forecasts will be limited to each respective sub-ecosystem, eliminating the need for full regional maps. The consultant must ensure that the system supports

intuitive interaction and location-based visualization. The platform may utilize tools such as Google Earth or other GIS systems that support embedded shapefiles.

#### **4. Deliverables**

A mobile application hosted multimedia platform data collection and visualization tool with the above-mentioned capabilities in section above.

#### **5. Qualifications and experience**

- Interested consultant/consulting firm shall possess the following;
- Proven experience in developing early warning systems, with a focus on conflict or climate risks.
- Technical expertise in data modelling, GIS tools, and mobile app development.
- Familiarity with conflict event data scanning and modelling in the IGAD region.
- Strong capabilities in data acquisition, curation, and analysis using multiple data datasets.
- Experience working with multi-stakeholder projects involving government, international organizations, and civil society.
- Proven inhouse expertise to accomplish the relevant tasks on time.

#### **6. Timeline and Reporting**

The consultant will be expected to complete the project within two months of signing the contract. Regular progress updates will be required at key milestones, including;

- Inception report detailing the work plan and methodology.
- Interim reports summarizing data acquisition, model development, and tool prototype.
- Final report and handover of the tool, including user manuals and documentation by 15<sup>th</sup> April 2025.
- Project commencement: 1st March-15<sup>th</sup> April 2025.
- Presentation of findings and demonstration of the tool will take place at the end of April on a date and location to be determined.

#### **7. Proposal submission requirements for evaluation:**

Consultant/company profile detailing relevant experience of similar assignments.

1. **Technical Approach and Methodology:** A detailed plan explaining the methodology, tools, and technologies to be used in developing the tool. Any added value in terms of the functionality of the tool outside of the stated objectives would be an added advantage.
2. **Clear Understanding of the Terms of Reference**
3. **Work Plan and Timeline:** A schedule showing how the project will be implemented within the proposed timeframe.
4. **Experience:** List of experts with their relevant profiles at the disposal of the project.

#### **8. Conclusion**

This project presents a unique opportunity to enhance early warning capabilities within the IGAD region by building a climate-conflict probability calculator. By integrating environmental data and conflict indicators,

the tool will provide actionable insights that can mitigate risks and improve human security outcomes. We look forward to receiving proposals from qualified experts ready to contribute to this vital initiative.

## 9. Attachments:

### Regional Map of Targeted Areas of implementation

