ECOWAS COMMISSION
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Original

REQUEST FOR EXPRESSION OF INTEREST
(Consulting services – individual consultant selection)

Selection of an Individual Consultant to develop a data model for optimal use of ECOWARN event data for risk evaluation

REFERENCE: ECW/DAGS-PROC-EWD/10-2025

The Economic Community of West African States (ECOWAS), in the framework of the execution of its 2025 Budget, intends to apply a portion of the budgeted funds for the **selection of an Individual Consultant to develop a data model for optimal use of ECOWARN event data for risk evaluation**.

2. The overall objective is to optimize the use of the data and focus its use to align with the vision of Regional Economic Area and a Common Community with shared social values. The EWD is therefore seeking to recruit a consultant to develop a risk calculation model using event data collected thru ECOWARN.

3. The consulting services ("the Services") include the deliverable listed under item 4. below and the duration of the contract shall be for a maximum period of ninety (90) days.

4. Duties and responsibilities of the consultants: the Consultant is expected to work in close cooperation with the Early Warning Directorate and will be responsible for the development pf a data model for optimal use of ECOWARN event data for risk evaluation. The tasks of the Consultant include the following:

- Develop the mathematical model for the risk calculation, develop the software and script that will be integrated to the existing ECOWARN Reporter and its database; The current system is developed using ASP and MS SQL database.
- Develop analytical add-ons Machine learning (artificial intelligence) tool for ECOWARN horizon scanning and forecasting.
- Train EWD staff on the tool developed.

5. The ECOWAS Commission now invites eligible Individual Consultants ("Consultants") to indicate their interest in providing the Services. Interested Consultants should provide information demonstrating that they have the required qualifications and relevant experience to perform the Services: **CV, diploma, certificate, copies of similar contracts**...
The shortlisting criteria are as follow:

EDUCATIONAL QUALIFICATION

- The consultant must hold at least a master's degree in statistics, Data Analysis, Data Management, or a similar field from a recognized University.

EXPERIENCE

- Have ten (10) years' experience in, mathematical model, statistics, IT system development, web-based systems and programming, and good knowledge of Microsoft SQL Server, ASP, PHP etc.
- Possess a sense of organization and good skills in communication, synthesis, and drafting.
- Knowledge of software development and database, quantitative data collection methods with Excellent aptitudes in analysis.
- Possess an excellent skill in technical drafting, and more specifically regular reporting in accordance with the requirements of the project's Donor and other technical and financial partners.
- Possess a good knowledge of data-processing tools and Broad knowledge of ECOWAS Early Warning System and deliverable or with similar international or regional institutions.

LANGUAGE

- The individual consultants shall be fluent in English, French or Portuguese Languages (reading, writing, speaking) and the practical knowledge (reading, writing, speaking) of the other of the ECOWAS Official language (English, Portuguese or French) would be an advantage.

NB: The attention of interested Individual consultants is particularly drawn to **Article 118 of the ECOWAS Revised Procurement Code ("Infringements by Candidates, Bidders and Awardees")**, providing information on corrupt or fraudulent practices in competing for or executing a contract. In addition, please refer to the following specific information on conflict of interest related to this assignment as per **"Article 119 of the ECOWAS Revised Procurement Code**.

6. The Consultants will be selected in accordance with the selection of Individual Consultant set out in the Consultant Guidelines. The candidate with the highest score above the cut-off mark, will be requested to submit its Technical and Financial Proposal for negotiation.

Interested consultants may obtain further information at the email addresses below during office hours: **Monday** to **Friday** from **9.00 am GMT+1 to 5.00 pm GMT+1.**

Email: sbangoura@ecowas.int, with copy to: ikkamara@ecowas.int; mbossou@ecowas.int; yderra@ecowas.int.

7. Expressions of Interest: Applications should be received at the latest on **November 20, 2025, at 11:00 am, Nigerian time (GMT+1)** by the ECOWAS Procurement Division at the following address:

ECOWAS Commission,101 Yakubu Gowon Crescent, Asokoro District,PMB 401,

Abuja 900103, Federal Capital Territory, Federal Republic of Nigeria,

Or by email at the following addresses: sbangoura@ecowas.int, With the following in copy (cc): ikkamara@ecowas.int; mbossou@ecowas.int; yderra@ecowas.int.