



TERMS OF REFERENCE (TOR)

One Senior Water Resources Engineer in Beira, Mozambique – Ready2Act project CUP_B27F24000030001

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Background and context

CIMA Research Foundation (*Centro Internazionale in Monitoraggio Ambientale*, CIMA) is a scientific organization under the Italian Legal Regulations governed by public law. CIMA was founded in September 2007 as an evolution of the existing CIMA Research Inter-university Centre to preserve and enhance the knowledge, the experiences, and background of the original researchers and professors which was transferred to the current Foundation. In 2012, the Foundation has been nominated Competence Centre of the Italian Civil Protection System for the hydrometeorological sector and for forest fire risk and for the legal area on the liability of civil protection operators. In 2018, it also been recognized as operational structure of the National Service of the Civil Protection Department, according to the decree law 1/2018 (Civil Protection Code).

In Mozambique, one of the 30 priority countries for the EW4All Initiative, recurring weather and climatic emergencies cause significant human suffering and hinder economic growth. Especially in the current context of climate crisis and rapidly evolving society, it is crucial to anticipate, prepare for, and respond to the negative impacts of extreme hydrometeorological events such as cyclones, floods, and droughts. Early Warning Systems (EWS) can play a fundamental role in this context, enabling effective preparedness actions in this evolving reality.

The National Institute for Disaster Management of Mozambique (*Instituto Nacional de Gestão e Redução do Risco de Desastres*, INGD), is currently undergoing a process of strengthening its Early Warning System through a reorganisation of the legal framework (Law 10/2020 of 24th August 2020) and the implementation of range of projects that are improving specific components of the system with targeted interventions together with INAM and DNGRH.

There is still the need to continuing to strengthen, institutionalise and downscale up to the local level the national early warning and action system, enabling risk-informed decision-making for civil protection.

The *Italian Agency for Development and Cooperation* (AICS) is willing to provide support in this direction, fostering the link and cooperation between the Civil Protection Systems of Mozambique and Italy. Within this framework, AICS financed a two-years project, called Ready2Act: *Enhancing Coordination Mechanisms and Disaster Preparedness Capacities in Mozambique*.

Ready2Act, started in late April 2024, aims at significantly contribute to strengthening the Mozambique Early Warning System through a path of technology transfer, training, and institutional capacity building established with the INGD. The initiative is carried out by *CIMA*



Research Foundation and INGD, in partnership with WeWorld and with the strategic guidance of the Italian Department of Civil Protection.

The main objectives are to improve the operational results of the FPEA operational system with reference to:

- Improved inter-institutional coordination capacities for disaster preparedness and response
- Enhanced monitoring, forecasting and warning tools for water-related risks
- Increased linkage between Early Warnings and Early Actions, from national to provincial scale

Position Description

CIMA is seeking a Senior Water Resources Engineer to support the Project Manager and CIMA staff in the implementation of the technical components of the Ready2Act project expected to take place in the Sofala Province, nominated as pilot province for the initiative. The selected Senior Water Resources Engineer should have a solid technical background to effectively facilitate the collaborative development of monitoring, forecasting, and early warning tools with local partners.

The activities position is in Beira, Mozambique. Possible travels to other areas of Mozambique might be requested.

Major Duties and Responsibilities:

Working in close support and coordination with the Project Manager at CIMA, with the technical staff at CIMA and with INGD and local stakeholders, the Senior Water Resources Engineer is expected to fulfil the following core functions and responsibilities:

- Provide general assistance to the project management in the Sofala Province.
- Facilitating dialogue and information exchange with Mozambican partners in the Sofala Province (in particular with INGD, DNGRH, INAM and ARA Centro). This may include support in the organization and execution of meetings with DRR stakeholders to present the project and the progress on relevant activities.
- Support CIMA in the design and renovation of INGD situation room in Beira. This may include visit to the facilities, overseeing of the renovation works, facilitate contact with the service and equipment providers, support in the organisation of the inauguration
- Support CIMA in the organisation and delivery of the flood risk simulation exercise, for what concerns the component in the Sofala Province. This may include facilitate contact and active participation of local stakeholders, support in the planning, delivery and review of the exercise (contents and logistics).
- Support CIMA in the organisation and delivery of trainings (remote and presential) in the Sofala Province.
- Support local hydrometeorological data collection. This may include support in the organization and delivery of field monitoring activities in the Sofala Province.



- Facilitate synergies and coordination with other technical actions undertaken by CIMA in the Sofala Province. This may include supporting data collection and stakeholder engagement activities which would benefit synergies with the Ready2Act initiative.
- Other duties as assigned by the Project Manager CIMA.

Minimum Qualifications:

Education

- A Ph.D. in Hydraulic Engineering
- A master's degree in environmental engineering, hydrology, water sciences or a closely related field.

Experience

- At least 10 years of solid professional experience in water resources management, with a strong link with scientific research and innovation.
- Prior experiences in international cooperation projects, with focus on water resources and environment, in Mozambique.
- Proven expertise in producing high quality reports and documents in English and Italian.
- Experience in hydraulic modelling and academic research is considered a plus.

Skills

- Ability to work effectively with a wide range of international stakeholders, including development agencies.
- Excellent writing and presentation skills in English, Italian and Portuguese.
- Flexibility, teamwork skills, professional and personal integrity.

Language:

- Excellent knowledge of English, Italian and Portuguese (both oral and written).

Personal qualities:

- Self-motivated, flexible and able to work independently.
- Excellent work ethic and constructive attitude.
- Conscientious and efficient in meeting commitments, observing deadlines, and achieving results.

We offer:

- an interesting job in an interdisciplinary environment.
- the opportunity for professional growth and know-how acquisition.
- the opportunity to work in motivated teams.
- the opportunity to work in an international initiative.
- The applied contract will be a continuous collaboration

Overview of the assignment:

- Location: Beira, Mozambique, with field missions in Mozambique if requested by the project (mission costs will be covered by CIMA upon presentation of due receipts)
- Position open to: International Experts



- Position: Senior Water Resources Engineer at CIMA
- Duration: 7 months. The possibility of a contract extension subject to the availability of funds and pending satisfactory performance.
- Contract nature: The assignment takes the form of a coordinated and continuous collaboration referred to in Article 409 c.p.c. classified for tax purposes under Article 50, letter c bis) of Presidential Decree 917/86.
- Contract value: 18.000-20.000 EUR depending upon experience, knowledge and skills. This is a lump sum, including taxes, if due, and all other expenditures that may be incurred in the country.
- Expected starting date: as soon as possible.
- Responding to: Project Manager at CIMA.

Interested candidates should submit their CV together with a one-page cover letter to risorse.umane@cimafoundation.org by 14/02/2025. ANY DELAYED SUBMISSION WILL NOT BE CONSIDERED. The subject of the email should be **Senior Water Resources Engineer in Beira – Ready2Act project**

- Only applicants of further interest to CIMA will be contacted. Based on the interview outcomes, a proposal for the position within CIMA will be made to the candidates.
- CIMA declares that until the assignment is awarded, or until the relationship is established, it may interrupt and even cancel the procedure, without the participants having any claim whatsoever.
- Any questions related to this call can be directed in English to Alessandro Masoero via email at: alessandro.masoero@cimafoundation.org

Data Protection

With this document, CIMA Foundation is authorized to process the personal data of the subjects involved in the relationship referred to the object, exclusively for the purpose of carrying out the relationship, pursuant to art. 13 of Legislative Decree 196/2003 (EU Reg. 2016/679). The data will be collected, processed and stored by the CIMA Foundation preferably in digital format, through systems owned or placed under its control but owned by third parties, with which the Foundation has entered into suitable agreements to ensure adequate technical standards of protection. The maximum data retention time will not exceed two years from the end of the relationship. The data controller is CIMA Foundation.

Savona, 31/01/2025

The Managing Director
Luisa Michela Colla

A handwritten signature in black ink, appearing to read "Luisa Michela Colla", written over a horizontal line.