



Subject: LOCAL CONSULTANT FOR DISASTER DATA GATHERING (FOCUS ON CYCLONES)

Background and context

CIMA Foundation - International Centre on Environmental Monitoring (“CIMA”), an Italian non-profit foundation active in the fields of Civil Protection, Early Warning Systems, Disaster Risk Reduction, Climate Change Adaptation, Marine Ecosystems and Biodiversity Conservation is looking for a qualified and motivated *Local consultant for disaster data gathering (focus on cyclones)*.

The data gathering activities of the local consultant will support Pillar I: Data and Knowledge of the joint Migration Multi-Partner Trust Fund (MPTF) programme titled ‘*Addressing Drivers and Facilitating Safe, Orderly and Regular Migration in the Contexts of Disasters and Climate Change in the IGAD Region*’. (Visit <http://mptf.undp.org/factsheet/project/00126022> to find the joint programme document). The joint programme was awarded to the International Organization for Migration (IOM), the International Labour Organization (ILO), the Platform on Disaster Displacement ([PDD](#)) which is hosted by the United Nations Office for Project Services (UNOPS), and the United Nations High Commissioner for Refugees (UNHCR). Implementing partners for the joint programme are the Intergovernmental Authority on Development ([IGAD](#)) and IGAD Climate Prediction and Application Centre ([ICPAC](#)).

This joint programme contributes to facilitating pathways for regular migration in the IGAD region and minimizing displacement risk in the context of climate change, environmental degradation, and disasters in line with the vision and guiding principles of the Global Compact for Safe, Orderly and Regular Migration (GCM). This will be achieved through addressing needs and gaps in the following pillars:

Pillar I - Data and Knowledge

Pillar II - National and Regional Policy Frameworks

Pillar III - Disaster Displacement Preparedness

Pillar IV - Regular Migration Pathways.

This position seeks to address data gaps on disasters, particularly with regard to cyclones as the underlying natural hazards, in the IGAD region. Disasters still remain a serious development challenge for the IGAD region, destroying years of development efforts, squandering vast resource investments, perpetuating poverty, damaging infrastructure and the natural environment, impoverishing communities, and diverting national priorities and development resources to emergency management operations. It is therefore necessary to monitor and forecast key climatic, environmental, and socio-economic parameters to be able to forecast the risks and thus support IGAD Member States to address these challenges in line with the recommendations under the GCM.

CIMA Research Foundation - Fondazione CIMA

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This TOR refers to disaster data collection activities planned under Pillar I of the joint Migration MPTF in the IGAD region, with a specific focus on cyclones and related impacts. The aim is to collect such data for the purpose of supporting the development of displacement risk profiles for countries in the IGAD region based on agreed risk metrics. A selection of countries for the data collection will be made at the beginning of the project in consultation with partners of the joint Migration MPTF regional programme.

Overall, the project will enhance the disaster displacement risk profiles which will be developed by CIMA to also include cyclone considerations, and thereby support national governments in the IGAD region to have enhanced access to quality data and evidence on disaster displacement risk and on other forms of human mobility.

Key responsibilities

The local consultant is expected to fulfil the following core functions and responsibilities:

- ❑ **Output 1: Selection of countries for the data collection.** For the purpose of this data collection exercise, specific areas can be targeted that are prone to cyclones (e.g., Somalia, Djibouti and Northern Kenya). Based on a regional analysis, the local consultant will identify priority countries/areas and submit this list to CIMA and ICPAC as technical supervisors for their approval.
- ❑ **Output 2: Data collection on cyclones and related impacts.** The expected result of this action will be a dataset with baseline data on cyclone events since the 1980s, exposed assets, in terms of vulnerabilities (e.g., physical susceptibility to cyclones), their spatial distribution, and related vulnerabilities for the selected priority countries/areas in the IGAD region. The consultant will also collect data on impact, damage, and loss data from relevant sources due to Cyclones. This includes data about displaced people and the reasons for displacement connected to cyclones (i.e., loss of house, enforced evacuations, etc.) to the best possible level of disaggregation.
- ❑ **Output 3: Technical risk modelling support.** Support CIMA on the analysis and production of disaster displacement risk profiles associated with climate, environment, and other relevant parameters for the IGAD region, ensuring timely data inputs. Support testing the displacement risk model with the data collected in the real-world scenarios to validate its accuracy.
- ❑ **Output 4: Coordination with key partners and stakeholders.** Provide timely, accurate, and adequate information on ongoing data collection activities and results to all other relevant stakeholders, such as ICPAC, PDD and Migration MPTF programme partners, as needed.

The local consultant is expected to collect the following data:

- Cyclone events list, from '80s until now, report events, their intensity (i.e., wind intensity) and their recorded impacts (direct and indirect*).
- Impact footprint of the cyclone (GIS layer and/or textual description of the districts and cities hit by the event).

- If possible, distinction between cyclones damages and floods damages.
- If it is not possible, declare it.
- Information about building typologies
- Information about households' composition.

*Data on direct and indirect impacts:

- Number of houses damaged (over a certain threshold?) or destroyed by cyclones.
- Number of critical facilities (schools, hospitals, health structures) damaged (over a certain threshold?) or destroyed by cyclones.
- Number of shops, industries, services damaged (over a certain threshold?) or destroyed by cyclones.
- Hectares of crops damaged or destroyed by cyclones.
- Loss of livestock due to cyclones.
- N° of people affected by cyclones (directly displaced, injured, dead, economically affected?).

If possible, additional information about:

- Food supply chain.
- Water access.
- Energy distribution.
- Communication.

All activities shall be conducted in close coordination with, and under technical supervision of, CIMA Research Foundation (the risk modelling agency which was awarded the work under Pillar I), ICPAC (including through liaison with a Mobility Analyst recruited by ICPAC), the IGAD Secretariat and the PDD Secretariat that is hosted by UNOPS

The ideal candidates should have the following expected profile:

Education

- Master's degree in Civil/Environmental Engineering, Information Management, Demography, Geoinformation or a related field from an accredited academic institution with two years of relevant professional experience; or
- Bachelor's degree in the above fields with four years of relevant professional experience.

Experience

- Expert knowledge of quantitative and qualitative research methodologies and processes, baseline assessment, monitoring & evaluation methodologies
- IM/Quantitative data collection experience needed
- GIS and Satellite Image analysis skills
- Expert use of Excel (analysis, cleaning, compilation maintenance, etc.)
- SPSS and/or Stata an asset.
- Good understand of basic statistics and data analysis



- Knowledge of climate change, disaster risk reduction, and/or human mobility patterns in the IGAD region is desired

Languages

For this assignment strong command of English is required, and French will have an added advantage.

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.

Overview of the assignment:

- Location: IGAD Region
- Position: Local consultant for disaster data gathering (focus on cyclones)
- Estimated Duration: 40 to 50 days
- Estimated remuneration: maximum 10.000 USD
- Expected starting date: as soon as possible
- Reporting to: CIMA Foundation

Interested candidates should submit their application including a CV and a cover letter to the email: ricerca.personale@cimafoundation.org within **14 October 2021**. The subject of the email should be: **Local consultant for disaster data gathering.**

Only shortlisted candidates will be contacted.

Any questions related to this call can be directed in English to Eleonora Panizza via email at: eleonora.panizza@cimafoundation.org

All clarification questions and the responses provided will be shared with all possible candidates on the website of CIMA Foundation / Open calls.

Savona, 30 September 2021

Managing Director
Luisa Michela Colla

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