

28.03.2022

## **Blueprint paper for Slow-Onset Drought-Induced Displacement Model**

---

### **Background**

With funding from ECHO, the objective of the overall project is to bring different predictive models together into a wider anticipatory tool box that underpins a more relevant and efficient response to humanitarian needs arising from climate-related disasters by developing data models, analysis and early action frameworks for the benefit of the wider humanitarian system. More specifically the project will seek to achieve this objective through the following outcomes:

1. A Multi-level toolbox to understand and anticipate the impact of climate change on displacement is expanded and available to a wide range of humanitarian actors.
2. An anticipatory financing and action model, based on predictive analytics, is developed and tested in Somalia

In short, the project seeks to operationalize the SODRD model developed together with IDMC in Somalia and replicate the model for a given area in the Sahel region.

### **Purpose and Scope of Assignment**

The purpose of this assignment is to provide a blueprint for developing an anticipatory action mechanism relevant at the community level based on the SODRD model outputs. The study will also provide a blueprint for replicating the model and the action mechanism in other drought contexts as well as an exploration of its relevance in flood contexts. This will help in establishing the knowledge base to ensure the replicability of the model and action, and enhance sustainability by documenting the steps needed by humanitarian actors to develop similar models and actions.

The key questions that should be answered as part of the paper are:

1. What tweaks/updates/changes would be needed to make the SODRD applicable and relevant at the community/district level?
2. How can the model be made more accessible and user-friendly to be useful to a wider audience?
3. What are the opportunities/value-add in the model for communities to feed data/information directly to the model?
4. How could the model function for monitoring specific trigger thresholds to enable anticipatory action
5. What are the key steps that should be taken in developing the model in the Sahel
6. What are the opportunities to apply a similar methodology to other climate-induced displacement or humanitarian needs e.g. floods?

### **Output and Timeline**

The expected output would be a short technical and practical report of approximately 15-20 pages. The main body of the report should have a more non-technical, narrative focus, whereas detailed technical information related to actual modelling could be in a technical appendix.

The assignment should ideally be completed by July 15, 2022. The scope of work is expected to be 17 working days. 100% of the price for conducting the assignment will be paid 30 days after the receipt of the final report and 30 days after receipt of invoice.

## Qualifications

- Extensive expertise in Systems Dynamic Modelling and drought-displacement dynamics
- Proven experience in designing and advising NGOs or international organisations in the use of systems dynamic models or advanced statistical models to inform programming and response
- Understanding of humanitarian response, anticipatory action or early warning mechanisms
- Excellent writing and communication skills in English.
- Post-graduate university degree in data science, social sciences or another relevant academic discipline

## Proposal Evaluation

For the award of this project, the evaluation criteria below will govern the selection of offers received. The evaluation is made on a technical and financial basis.

The proposed offers by bidders will be evaluated using the following criteria, and points will be allocated in a scale from 1 to 10 for each of the criteria stipulated below, whereas the weighting is as follows:

<b>1. Proposed services</b> (Documented with the technical proposal – max 2 pages)	<ul style="list-style-type: none"> <li>- Content of the proposal suitable for the requirements</li> <li>- Proposed methodology for the qualitative and/or quantitative research (30%)</li> </ul>
<b>2. Personnel qualifications</b> (Documented with CVs of relevant staff involved in the project)	<ul style="list-style-type: none"> <li>- Experience of core people who will work on the project related to above highlighted qualifications (70%)</li> </ul>
<b>Total</b>	<b>100%</b>

The three technically best scoring candidates will be invited to an interview to assess the candidates qualifications, proposed services, and personal qualifications. The interviewers will be further evaluated against:

- Previous relevant research projects executed
- Proposed methodology for the project
- Experience of core people who will work on the project

## Confidentiality

All information presented, obtained, and produced is to be treated as DRC's property and is considered as confidential for all other purposes than what is outlined in the ToR. The material prepared by the

consultant cannot be sold, used, or reproduced in any manner (partially or in full) by the consultant without prior permission from DRC.

## **How to apply**

The deadline for submissions is **07.06.2022, 23:59 CEST= 22:59 GMT**. Please find the bid submission instructions in the RFQ template. Bids sent to the email address above will not be considered.

## **Additional Information**

For additional information regarding these terms of reference or submission instructions, please send your questions to: Alexander Kjærum at [alexander.kjaerum@drc.ngo](mailto:alexander.kjaerum@drc.ngo).