



## How best could we predict Climate driven disease outbreaks to better respond in WaSH?

### What? *(Detailed agenda below)*

A set of informed presentations (1h) followed by a panel discussion with experts in the field of health, climate and wash in which we will address the following question: **How knowledge on climate and health can contribute to anticipate climate driven disease outbreaks and anticipate responses in WaSH and Health?**

### When?

Wednesday 14th and Thursday 15th of April from 14h to 16h East Africa Time

### Why?

Recognising that East Africa continues to be a regional hub for institutions and agencies working in the public health and humanitarian sector it is proposed that a knowledge hub for excellence in rapid **humanitarian response to outbreaks/diseases** including **prediction** and **early detection** is developed.

We aim at:

1. Convene health, WASH and climate change practitioners and institutions of higher learning to share experiences and learning on the links between climate events, disease outbreaks and WASH programs (both in Emergency and development contexts).
2. **Share and promote** the use of novel tools and innovative approaches **to anticipate** outbreaks/diseases related to climate variability.
3. Develop way forward for partnership and technical contribution towards WASH programming with a focus on disease outbreak preparedness and forecasting outbreaks using climate information

### How?

Online. Register to either day following this link: <https://whatworks.co.ke/climate-workshop/index.php>

### Expected Outcome

- Informed **presentations, discussions** with experts/practitioners and **general awareness** rising on the existing tools for improving outbreak detection and response among the humanitarian community in East Africa.
- **Meeting brief** to share the presented most relevant case studies and tools focused to improve outbreak or disease prediction and community engagement, with directory information.
- Set of **recommendations, good practices, and replication/scaling opportunities** for humanitarians and researchers for fostering rapid and focused response.

# Detailed Agenda

**14<sup>th</sup> April** *Landscape of tools used in East Africa to help anticipate climate driven disease outbreaks, and trigger WaSH responses.*

This day is a bit more relevant to decision makers in the humanitarian and development field in Health and WaSH, and Climate experts working on prediction. The presentations will give a good understanding on the climate driven diseases outbreaks and trends. Participants will get a broad understanding on the current tools used in East Africa to better anticipate the response to Malaria, Dengue, Cholera and other Climate Driven diseases.

## 14h Presentations

14:00 - Welcome presentation by **Professor Daniel Olago**

14:10 - **Adugna Woyessa**, Ethiopian Public Health, *ENACTS Advantage for malaria program: A case of ENSO and malaria epidemics in Ethiopia.*

14:20 – **Jjemba Wasswa Eddie**, Red Cross Climate Centre, *Understanding links between climate, environment & health.*

14:30 - **Stefan Kienberger**, University of Salzburg, *Climate change and vector-borne diseases in East Africa*

14:40 - **Antonios Kolimenakis**, WHO Regional Office for Africa, *Delivering climate-resilient water and sanitation in Ethiopia, Malawi and Mozambique*

## 15h Invited panelists:

Dr. Daniel Olago from **The Institute for Climate Change and Adaptation**, University of Nairobi

Dr. Tasiana Mzozo Climate Preparedness Advisor at **WHO East Africa**

Dr. Andrew K. Githeko from the **International Center of Excellence for Malaria Research**

**15<sup>th</sup> April** *Direct field applications in which climate data has some input into preparedness (disease hotspots / early action in WaSH).*

Day 2 is more relevant for direct field practitioners in the field of humanitarian and development Health and WaSH. The presentations will give some examples on how climate and health can be integrated in wash programing and response.

## Presentations

14:10 - **Leo Tremblay**, MSF, Predicting malaria transmission dynamics through environmental variables

14:20 – **Eduard van der Merwe**, University of Pretoria, Climate Change and Child Health: A Nigerian Perspective

14:30 - **Irene Amuron**, Red Cross Red Crescent Climate Centre, Forecast based early action in WASH sector

14:40 - **Zakarie Abdi**, Oxfam Somalia, Climate Change and water borne diseases

14:50 - **Rose Ochieng**, NIRAS Africa Limited

## 15h Panel discussion

Dr. Samuel Godfrey head WaSH and Climate focal point from **UNICEF ESARO**

Maurine Ambani from **WFP**

Jeffrey Maganya, Protection Regional Advisor from **Oxfam**

Comments/questions: [events.nbo@nairobi.msf.org](mailto:events.nbo@nairobi.msf.org)