

## What makes this project so unique

*The human approach through community-based observations*



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A project funded by the  
Swiss Development Cooperation

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[www.oh4heal.org](http://www.oh4heal.org)

## SAILORS AND NOMADS ALIKE RELY ON WEATHER FOR THEIR ENDEAVOUR AND SURVIVAL





*The One Health for Humans, Environments, Animals, Livelihoods (HEAL) project applies a One Health (OH) approach to enhance the well-being and resilience of vulnerable communities in pastoralists' areas of Ethiopia, Somalia and Kenya.*

A network of **community-based observatories** to:

- Observe
- Measure
- Record
- Report
- Interpret and use

key data to **reduce risk** from extreme weather events and enhance the **wellbeing** of people, animals and environments.

## How do we work with local communities

*Bridging the gap between traditional knowledge and technology*



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# THE ONE HEALTH INFORMATION SYSTEM A PLATFORM WHERE PEOPLE ARE AT THE CORE OF EVERYTHING

## How do we work with local communities

*Bridging the gap between traditional knowledge and technology*



*The scientific knowledge has really complemented the traditional knowledge by bridging the gap that has existed with traditional knowledge in weather and climate.*  
**GUYO GONJOBA, Community Disease Reporter, Gas.**

Recorded data about weather and impacts are stored in a **cloud-database** to be used for future reference as support for decisions.

Data are transformed into **meaningful information** adapted to the different levels of users and shared through Telegram, WhatsApp or paper-based tools.

Produced information is **periodically discussed** during community meetings and linkages are searched with official early warnings and traditional predictions.

Data are **interpreted, understood** and **used** to move from early warning to early action.



Photo by Carlo Borleggi

[www.trimweb.it](http://www.trimweb.it)

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## How we translate data into meaning



*Scientific evidence thanks to weather stations & the 3Map system*

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## SAILORS AND NOMADS ALIKE RELY ON WEATHER FOR THEIR ENDEAVOUR AND SURVIVAL



*In view of the growing climate- and weather-  
related challenges facing humanity [...] surface-  
based observations should be treated as a critical  
public good.*

**DANIEL KULL, World Bank.**

Thanks to the installation of 15 **manual weather stations** and the use of the **3Map Content Management System**, co-developed by TriM with pastoralists, communities living in northern **Kenya** and southern **Ethiopia** are able to:

1. measure **daily** weather data at village level.
2. record **geotagged information** about impacts to natural resources, humans and animals.
3. use **scientific evidence** to complement local and traditional knowledge.



Photo by Carlo Borleggi

## Why is so important to get global data in real time

*Getting power to trigger immediate response in case of need*



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## Why is so important to get global data in real time

*Getting power to trigger immediate  
response in case of need*



*'Hydrometeorological and Climate Information are  
of vital importance for Disaster Risk Reduction'*  
**WORLD METEOROLOGICAL ORGANIZATION.**

Recorded impact-based weather information  
demonstrate to **significantly complement**  
regional, national and global **data-sets** especially  
in **vulnerable areas**.

The interpretation of data during community  
discussions increases the confidence of people in  
the possibility of using science to **complement**  
**traditional predictions**.

The real-time messages about hazards and  
impacts are a key added value to **trigger**  
**immediate response** in case of need.



Photo by Carlo Borleggi