



**Malteser
International**
Order of Malta Worldwide Relief

**One Health Programme:
Integrated Surveillance & Response Initiative
'Strengthening Health Systems
Across Northern Kenya & Southern Ethiopia'**

Malteser International, Kenya Office



Experiences with One Health up to date

- **BMZ funded project**
- **Daimler and Benz Foundation funded project**

Possible Activities in a 2nd Phase One Health Programme

Donors and Implementing partners to date





INTRODUCTION

Marsabit County (Kenya) and Dirre Woreda (Ethiopia) are located in the arid and semi-arid zones of the Horn of Africa. These regions are frequently affected by prolonged and recurrent droughts, prompting seasonal pastoralist migration.

This movement contributes to the uncontrolled spread of infectious diseases, including zoonoses—diseases that spread between animals and human, such as brucellosis and Rabies.

One Health balances the health of people, animals, and the environment.

- ✓ Builds local cross-sectoral capacity for disease control, e.g., Strengthens detection and response to zoonoses.
- ✓ Promotes healthier ecosystems & sustainable livelihoods.

Kenya/ Ethiopia: PROJECT USING A ONE HEALTH APPROACH

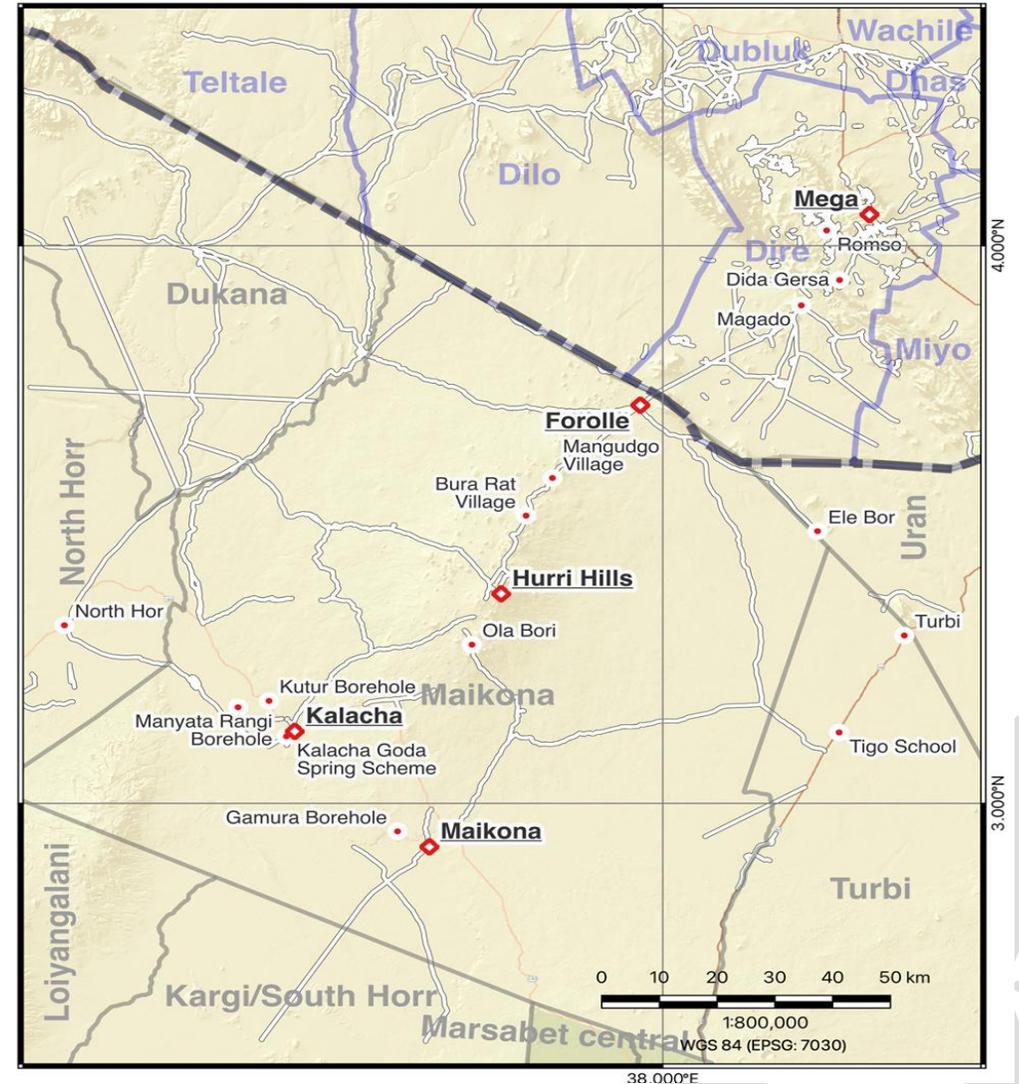
BMZ Project OBJECTIVE:

To improve **human, animal, and environmental health** in Northern Kenya and Southern Ethiopia, focusing on zoonotic diseases through **sustainable cross-sectorial strengthening of local capacity and control.**

Key results areas include;

- Strengthened/established health systems and structures that respond to zoonoses and epidemics in a coordinated and appropriate manner.
- Improved human, livestock, and environmental health through control and prevention of zoonotic diseases increased food security, and WASH Interventions.
- Integration of One Health approach research component and establishment of model farms.

Project Area Map



KEY ACHIEVEMENTS TO DATE

- ❖ Established Two(2) **One Health structures** in Marsabit and Ethiopia. Marsabit County One Health Unit, in collaboration with stakeholders, launched the **county's One Health strategic plan 2024-2029**.
- ❖ Trained 86 government officials and non state actors **One Health approach** .
- ❖ Trained 20 EOC (Emergency Operation Center) team on **data management**. to effectively support integrated disease surveillance and response of zoonoses and other diseases.
- ❖ Trained 30 CDRs and CHPs on **OH Concept** who disseminated valuable information on zoonosis in Target location
- ❖ Trained 160 CHPs and CDRs in KE/ETH on **disease surveillance and reporting**



KEY ACHIEVEMENTS TO DATE

- ❖ 30,000+ people reached with **nutritional** and **medical services**.
- ❖ 40,000+ **animals vaccinated** and **dewormed**.
- ❖ 12,000+ people accessed **clean water** from 2 boreholes rehabilitated
- ❖ 25+ radio broadcasts and 48 community forums conducted to promote **community awareness** on treatment and prevention of zoonotic diseases including Mpox and Kalazaar(Leishmaniasis)



KEY ACHIEVEMENTS TO DATE

- ❖ 400 farmers were trained on **animal husbandry** and **arable farming**
- ❖ **2 Model farms** established with livestock, crops, for training, food security, and resilience.
- ❖ 4(120 people) EMC groups trained on **rangeland management, fodder production, and arable farming.**



KEY ACHIEVEMENTS TO DATE

- ❖ **60 shoats** were distributed to the Yaa Galbo Women Group and the Kuyal Women Group in Marsabit County
- ❖ 200 group members from Latu and Jitu multipurpose cooperatives were provided with an improved local breed of **60 goats** (56 nanny goats and 4 Billy goats) and **20 camels**.
- ❖ These initiatives were adopted to promote community resilience and empower women and youth



KEY ACHIEVEMENTS

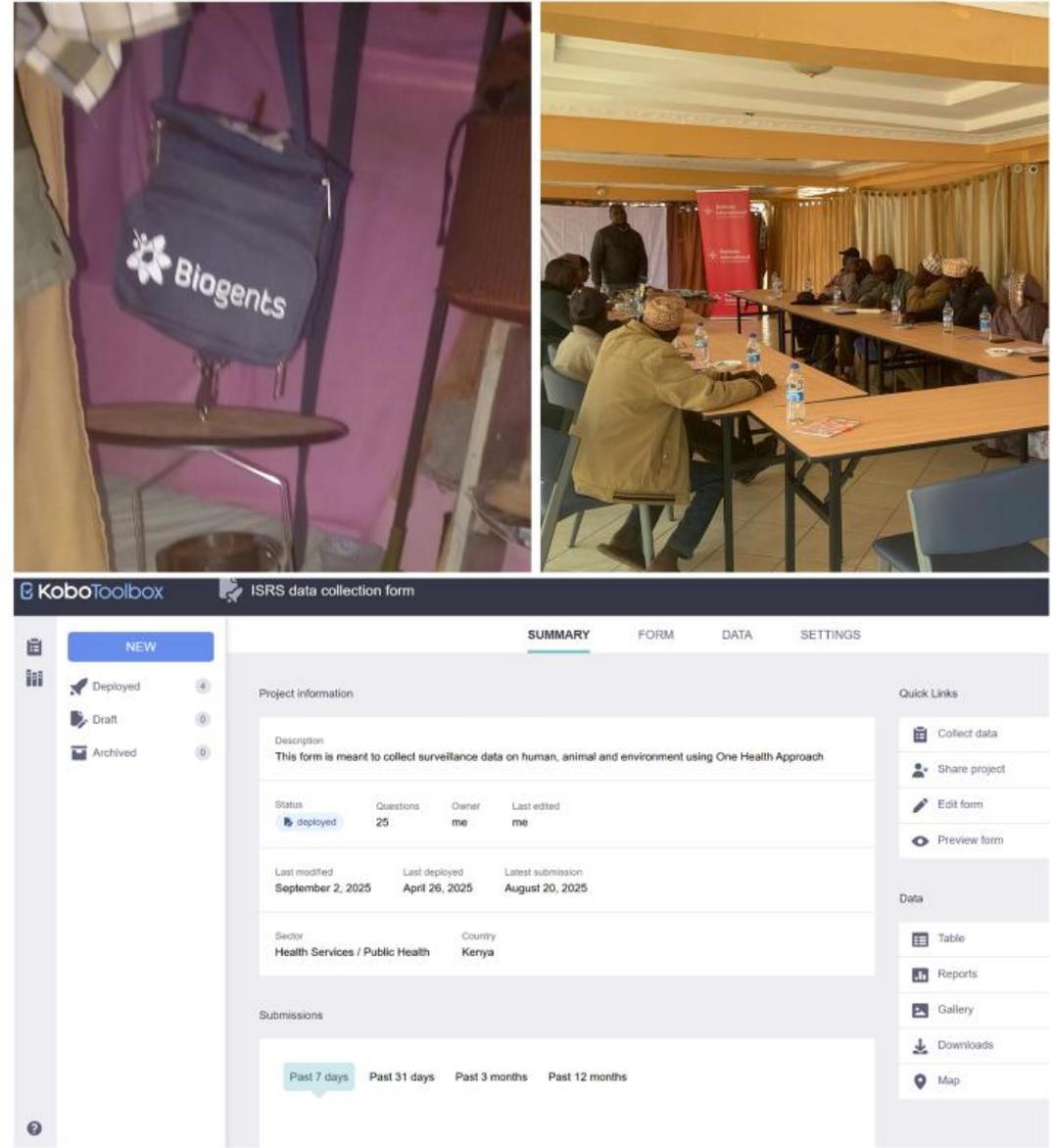
The cross-border aspect of the project created a platform for peace mitigation and promotion.

- ❖ 28 peace forums were achieved with 31 peace committee members being **trained as TOTs** on matters of **conflict resolution, early warning system peace dialogues**.
- ❖ 300+ people engaged directly in conflict resolution effort.
- ❖ 13 **Peace Committees** supported (7 in Kenya, 6 in Ethiopia)



KEY ACHIEVEMENTS OF INTEGRATED SURVEILLANCE RESPONSE SYSTEM (iSRS)

- ❖ Joint mosquito and other vector surveillance
- ❖ Specimen collection
- ❖ Sample processing
- ❖ DNA extraction and processing – To start soon
- ❖ Training of the community on surveillance data (CDRs, CHPs and WCCPC)
- ❖ Development of data collection tool (KoboToolbox)
- ❖ iSRS database





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KEY ACHIEVEMENTS OF INTEGRATED SURVEILLANCE RESPONSE SYSTEM (iSRS)

- ❖ Provision of motorcycles for surveillance officers
- ❖ Veterinary and human drug procurement and supplies for zoonotic disease control
- ❖ Laboratory reagents for veterinary and human disease diagnostics

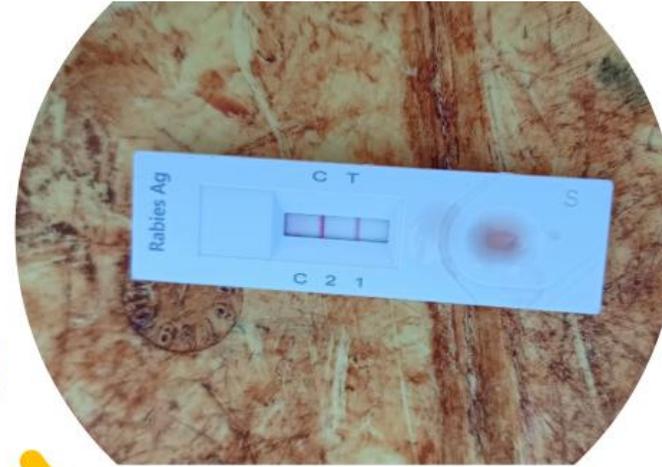
KEY ACHIEVEMENTS OF INTEGRATED SURVEILLANCE RESPONSE SYSTEM (iSRS)

RABIES:

- ❖ Training of laboratory officers on rabies testing using Rapid Diagnostic Test Kits
- ❖ Provision of Rapid Diagnostic Test
- ❖ Vaccination of laboratory officers against rabies
- ❖ Field diagnosis of rabies

BRUCELLOSIS:

- ❖ Training of laboratory officers on brucellosis testing
- ❖ Provision of Rose-Bengal-Test, a Rapid Diagnostic Test for brucellosis antibodies



The Project Helped Build



Capacity Building for Sustainability:

- Trained **60 Community Health Workers** (30 in Ethiopia, 30 in Kenya) in entomological surveillance, mosquito trapping, and sample extraction.
- Vaccinated **8 Lab Technicians** against Rabies for field safety.

Dissemination & Community Reach:

- All trained workers disseminated knowledge on One Health, directly reaching **1,800 community members**.

Direct Health Benefits:

- **Livestock Treatment & Vaccination: 12,173 animals** treated, protecting livelihoods and preventing disease spread.
- **Human Health Services: 5,133 people** benefited from enhanced lab diagnostics enabled by your support.

Possible Activities in a 2nd Phase of the One Health Programme

a) Strengthening and Institutionalizing One Health Structures

Why it stands out:

- ❑ Both Kenya and Ethiopia successfully reactivated One Health Units with our support.
- ❑ Cross-border coordination improved dramatically.
- ❑ Counties have begun integrating One Health into formal plans (e.g., Marsabit One Health Strategic Plan)

Locations: Marsabit County in Kenya; Dirre Woreda in Ethiopia

Priority actions for future projects

- ❑ Formalization of cross-border protocols (Kenya–Ethiopia).
- ❑ Establishment of permanent One Health coordination hubs at county and woreda levels.
- ❑ Advanced training for government officers on outbreak, surveillance, and data analytics.

b) Integrated Cross-Border Disease Surveillance & Early Warning Systems

Why it stands out:

- ❑ The project showed that joint surveillance improves reporting and response time.
- ❑ Over 200,000+ livestock were vaccinated, preventing major disease outbreaks.
- ❑ Communities and government officers embraced rapid reporting tools.

Locations: Marsabit County in Kenya; Dirre Woreda in Ethiopia

Priority actions

- ❑ Roll-out digital surveillance tools for CHVs, CDRs, and county officers.
- ❑ Establish cross-border rapid response teams for zoonoses and climate-related events.
- ❑ Upgrade county and woreda One Health coordination hubs with data dashboards and communication tools.
- ❑ Conduct advanced training on outbreak, epidemiology, and data management.

c) High-Impact Health & Nutrition Services

Why it stands out:

- ❑ Outreach exceeded targets by fivefold, reaching over 30,000 women and children.
- ❑ Demonstrated unmet demand for health services in remote pastoralist areas.

Locations: Marsabit County in Kenya; Dirre Woreda in Ethiopia

Priority actions

- ❑ Expand integrated outreach packages to include Integrated Management of Acute Malnutrition, Maternal and child health immunization, Non-Communicable disease screening and Mental Health Psychosocial support.
- ❑ Survey environmental impacts on health (heat, water quality, desertification, invasive plants)
- ❑ Strengthen referral pathways between communities and county hospitals.
- ❑ Integrate One Health messaging in maternal health and child nutrition programs.

d) Livestock Health Services and climate resilience Agriculture

Why it stands out:

- ❑ Livestock treatment reached 31,000+ animals in Kenya and 200,000+ in Ethiopia.
- ❑ Direct impact on pastoralist livelihoods and food security was clear.
- ❑ Model farms proved highly effective for training, diversified production, and income generation.
- ❑ Demonstrated climate-smart agriculture viability in arid lands.

Locations: Marsabit County in Kenya; Dirre Woreda in Ethiopia

Priority actions

- ❑ Establish permanent mobile veterinary units.
- ❑ Scale up vaccination campaigns for livestock disease preventions
- ❑ Train farmers in climate-smart agriculture (CSA)

e) Water security & climate adaptation interventions

Why it stands out:

- ❑ Rehabilitated boreholes provided lifesaving water during drought.
- ❑ Strong alignment with climate-induced vulnerabilities in Marsabit & Borena

Locations: Marsabit County in Kenya; Dirre Woreda in Ethiopia

Priority actions

- ❑ Expanding community-led water governance models and Culture of Maintenance capacities.
- ❑ Climate-resilient sanitation and hygiene promotion models.
- ❑ Solarize and rehabilitate water points; strengthen governance and Culture of Maintenance capacities.
- ❑ Increase capacity of Regional Laboratory to test water quality
- ❑ Pilot new desalination technology



**Join Us in Advancing One Health
Where it can have true
Impact**

Institutional funding is currently very difficult. We are looking for fundings from foundations and private donors. Co-Funding is also very much welcome !