

ENACTS

TRANSFORMING CLIMATE SENSITIVE DECISIONS



Targeted Climate
Information for Disaster Risk
Reduction and Resilience in Ethiopia

The Enhancing National Climate Services ENACTS initiative delivers robust climate data, targeted information products and training for practitioners, enabling them to apply climate information to malaria impact assessment with confidence.

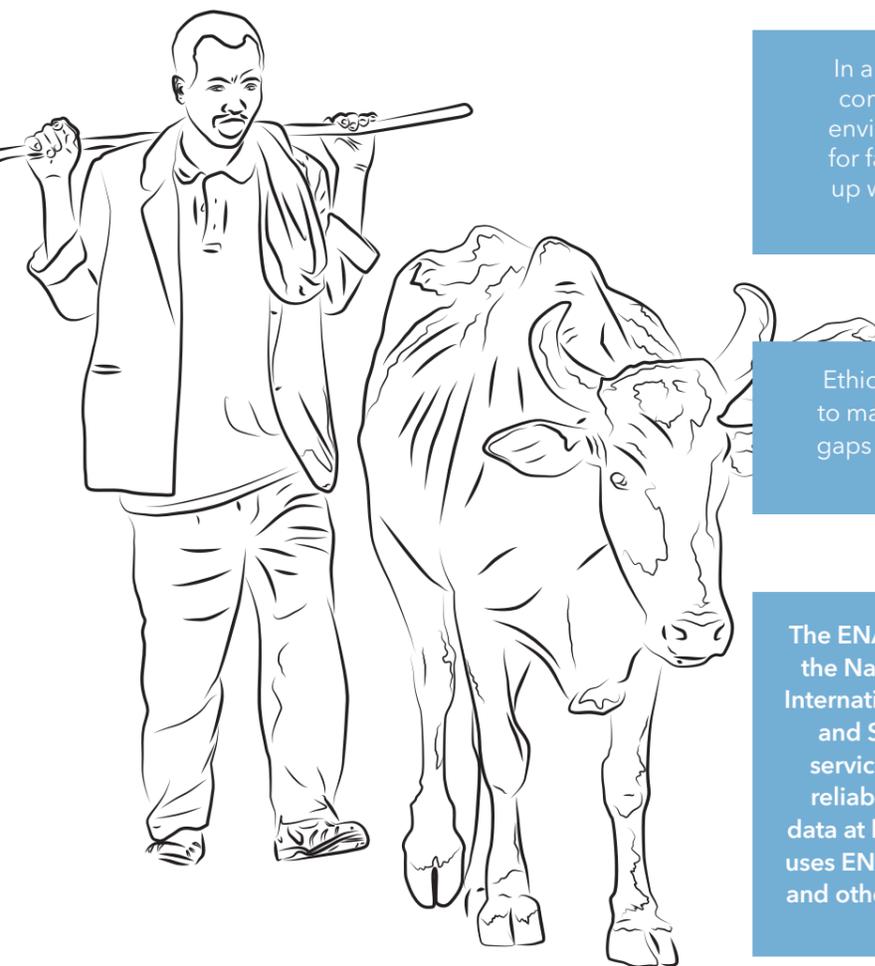


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The Federal Democratic Republic of Ethiopia
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National Meteorological Agency

NEW CLIMATE DATA BUILDS RESILIENCE IN A CHANGING CLIMATE

Understanding and predicting Ethiopia's complex climate at multiple scales with enough detail and certainty to make critical food-security decisions is difficult. It requires timely and quality-assured weather and climate data at a high spatial and temporal resolution.

Overcoming the data challenge



In a variable and changing climate compounded by other social and environmental stressors, it's difficult for farmers and pastoralists to keep up with changing weather patterns and climate shocks.

Ethiopia has historically been similar to many developing countries, where gaps in climate observational records result in poor quality data

The ENACTS initiative, created in 2008 by the National Metrology Agency and the International Research Institute for Climate and Society, aims to improve climate services in Ethiopia. ENACTS provides reliable and readily accessible climate data at high resolutions and the Maproom uses ENACTS to build a collection of maps and other figures that monitor climate and societal conditions.

ABOUT...

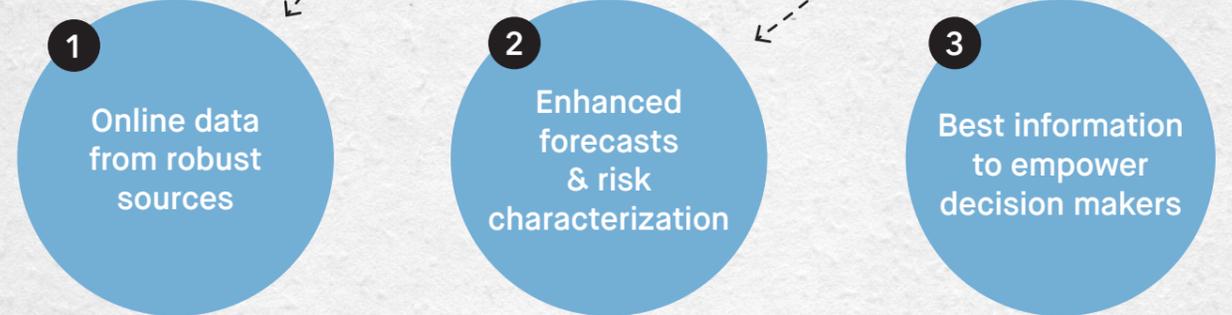
The ENACTS data products combine information from local observations and also from satellites and global models. This allows for superior accuracy and sharper analysis.



Local climate observations

Global climate data

THE ENACTS DATA & MAPROOMS



IMPACT ON LIVELIHOODS RESILIENCE

Allows for an understanding of variability and trends in temperature and rainfall over national, regional, and district scales

Improve the timing and scale of agricultural and food security interventions

Strengthen activities to support climate-smart sustainable development, including multi-sectoral approaches, climate risk management, and longer-term adaptation through adoption of sound agricultural practices.

Design food security early warning systems by:

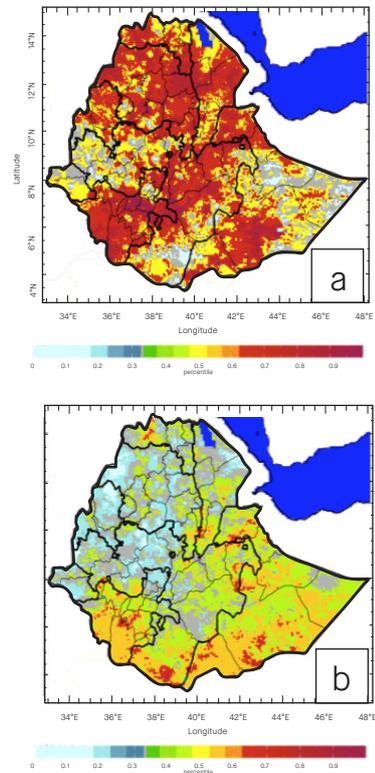
- providing downscaled seasonal climate forecast information
- alerting potential changes in the food security situation

“ National Meteorological Services must be ready to be flexible enough to address the demand-driven approach to climate information. ”

- Ghebreyesus et al., FASR Reports, 2008

The ENACTS Advantage

- Availability**
 - Blended data to overcome observational gaps
 - Result: Over 30 years of high-resolution rainfall and temperature data now available, enabling climate analysis from community to national levels.
- Access**
 - Online Maprooms
 - Result: User-friendly tools for the analysis, visualization, and downloading of climate information.
- Built capacity and empowerment**
 - Empowered stakeholders with increased capacity
 - Result: Strengthened policy analysis, relevant for multiple sectors.



Historical probability of seasonal monthly averages conditioned on El Niño in Ethiopia a) Low rainfall for Jul-Sep and (b) high rainfall Oct-Dec

FIND OUT MORE...

ethiometmaprooms.gov.et:8082/maproom/
iri.columbia.edu

Partners

