The Enhancing National Climate Services (ENACTS) initiative delivers robust climate data, targeted information products and training for policy makers and practitioners, enabling them to apply climate information to development decisions with confidence.
Sufficient and timely rains are critical to obtaining the best yield. Rainfall and temperature are also significant drivers of outcomes in other sectors - such as health and energy.

● High rainfall can impact health through vector-borne diseases such as malaria.
● Whereas drought can result in food insecurity and malnutrition.

Zambia’s National Meteorological Agency is pioneering efforts to dramatically improve the availability, access and use of climate data and information through the development of ENACTS, helping to maximize the impact of development investments in a varying climate.

With huge untapped agricultural potential, Zambia’s reliance on rain-fed agriculture means a favorable rainy season is the key to success for commercial farmers and small-holders alike.

Overcoming the data challenge

- Sufficient and timely rains are critical to obtaining the best yield.
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Online data from robust sources

Enhanced forecasts & risk characterization

Best information to empower decision makers

Enhanced forecasts & risk characterization

Design early warning systems which use downscaled seasonal climate forecast information to alert communities to potential changes in the food security situation.

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

IMPACT ON LIVELIHOODS RESILIENCE

Allows for an understanding of variability and trends in temperature at scales relevant for community-based decision-making.

THE ENACTS DATA & MAPROOMS

Local climate observations

Global climate products

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.

International Research Institute for Climate and Society
Earth Institute, Columbia University
ENACTS can be a source of climate information to increase user participation for a climate resilient society.

– Zambia Meteorology Department

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

**Built capacity and empowerment**
- Empowered stakeholders with increased capacity
- Result: Strengthened policy analysis, relevant for multiple sectors.

FIND OUT MORE...
http://41.72.104.142/maproom/
iri.columbia.edu

Partners