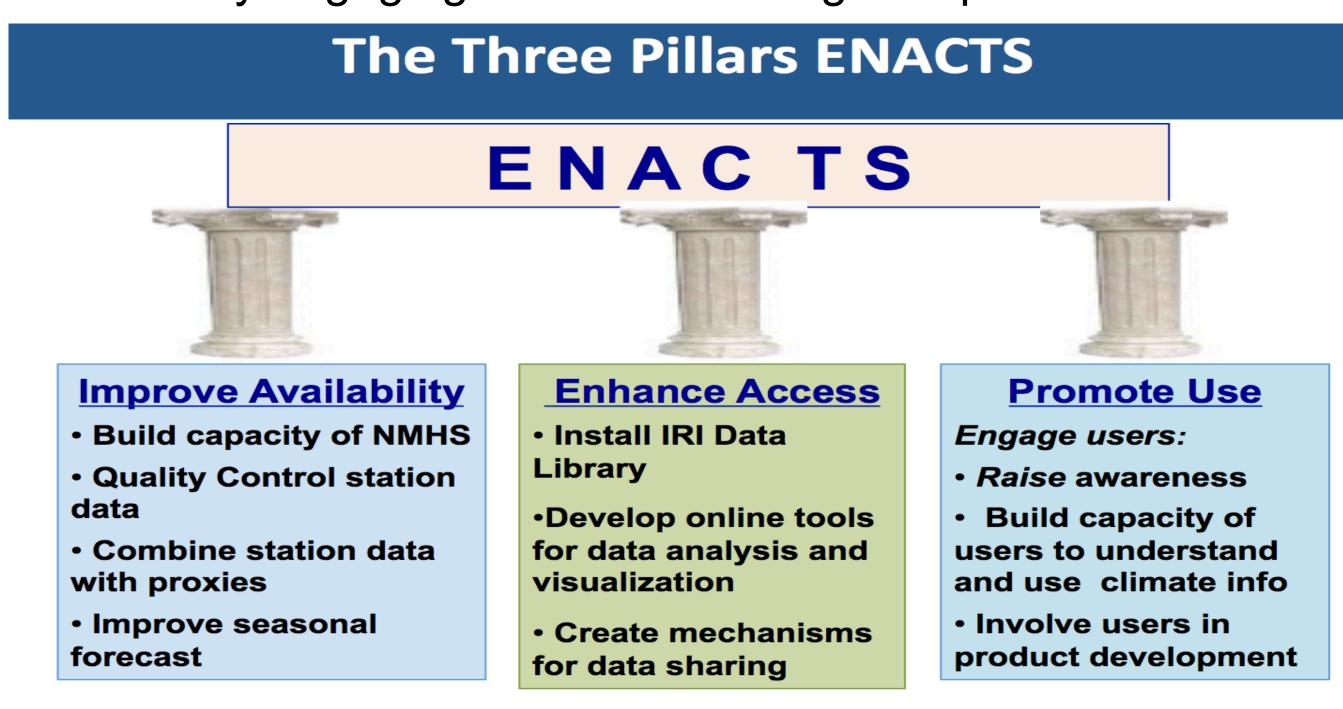


# The ENACTS(Enhancing National Climate Services) Approach

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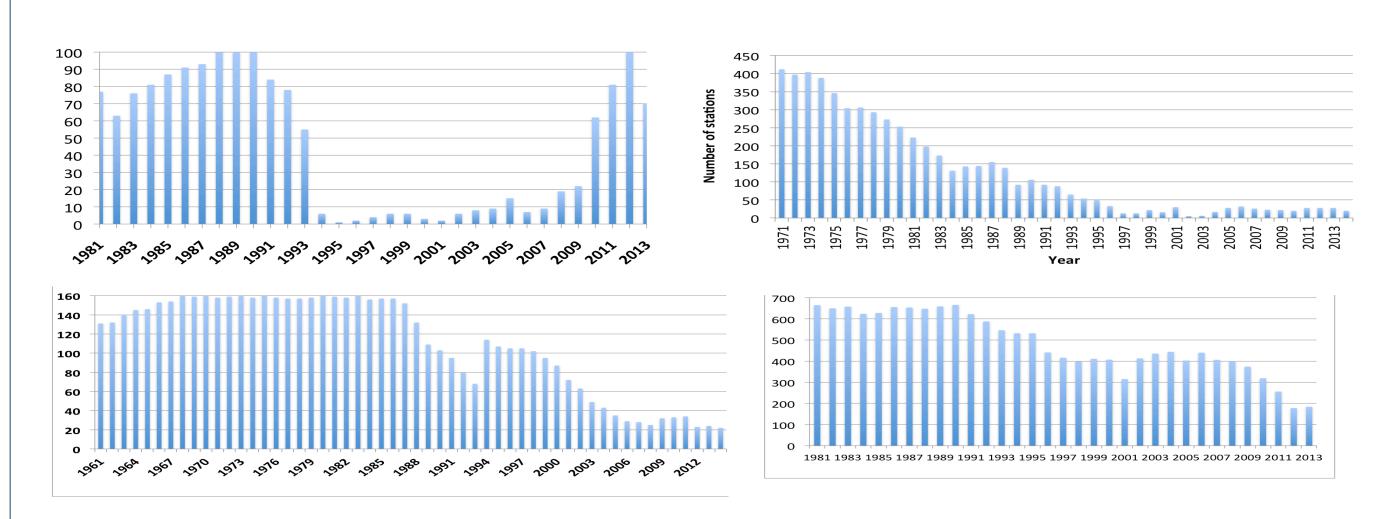
#### What is ENACTS?

**ENACTS** is IRI's initiative to transform national climate services by improving availability, access and use of climate information. Availability of climate data is improved by combining quality-controlled data from the national observation network with satellite estimates for rainfall and reanalysis products for temperature. Access to information products is enhanced by making derived information products available online. Use of climate information is facilitated by engaging and collaborating with potential users.



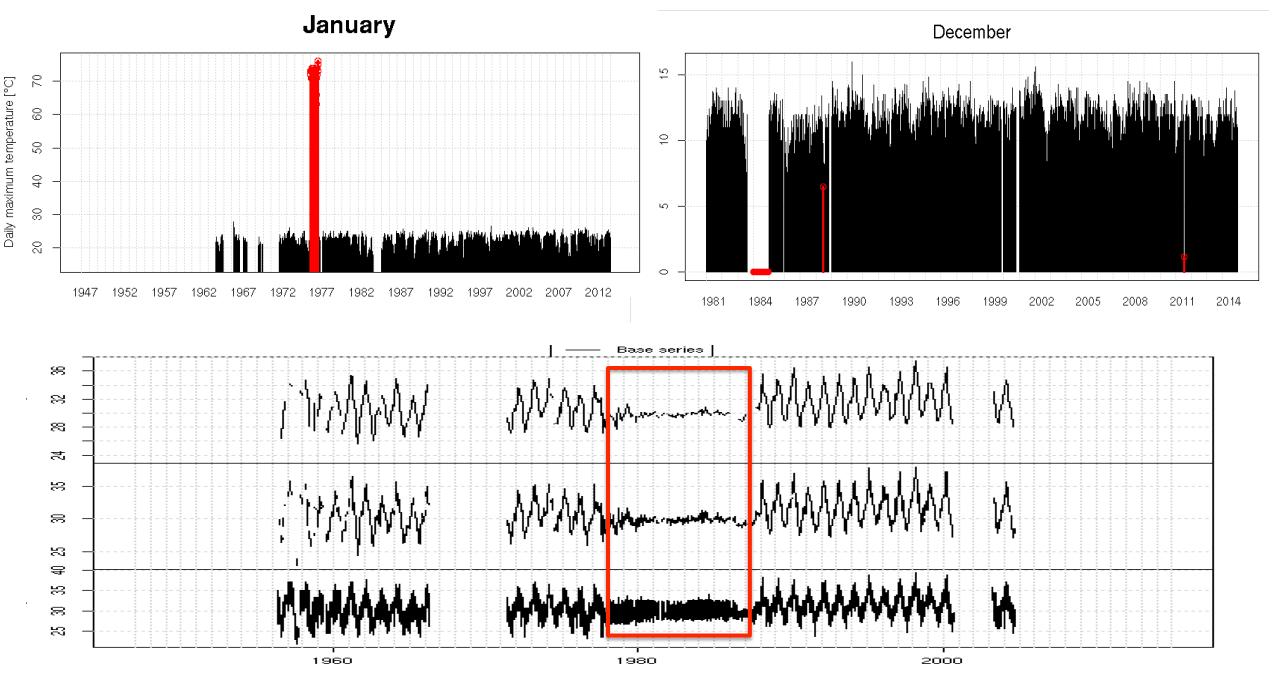
# 1. Improving Data Availability

## 1. Assess Data Availability



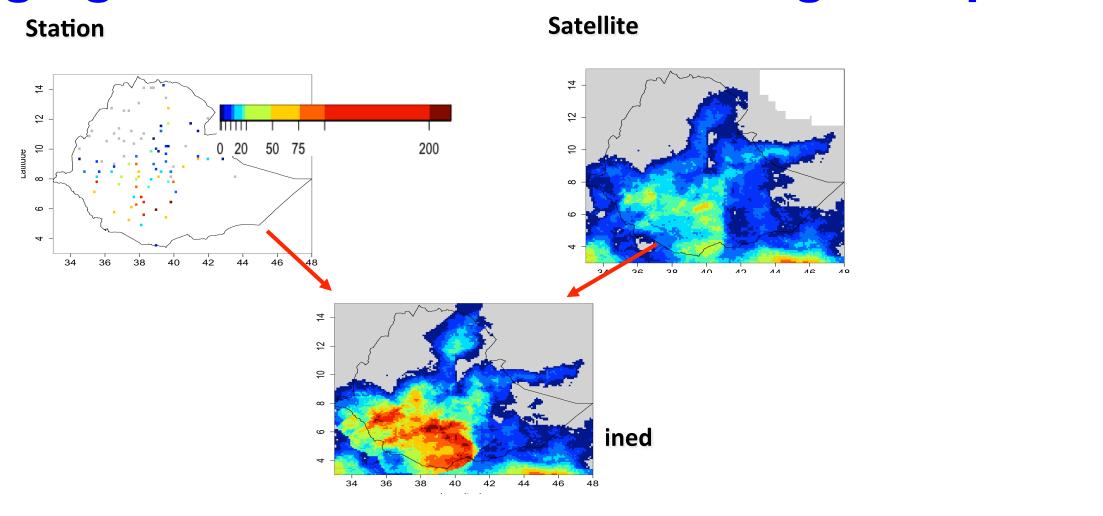
Average number of stations reporting each year for four different countries Africa

## 2. Assess Data Quality



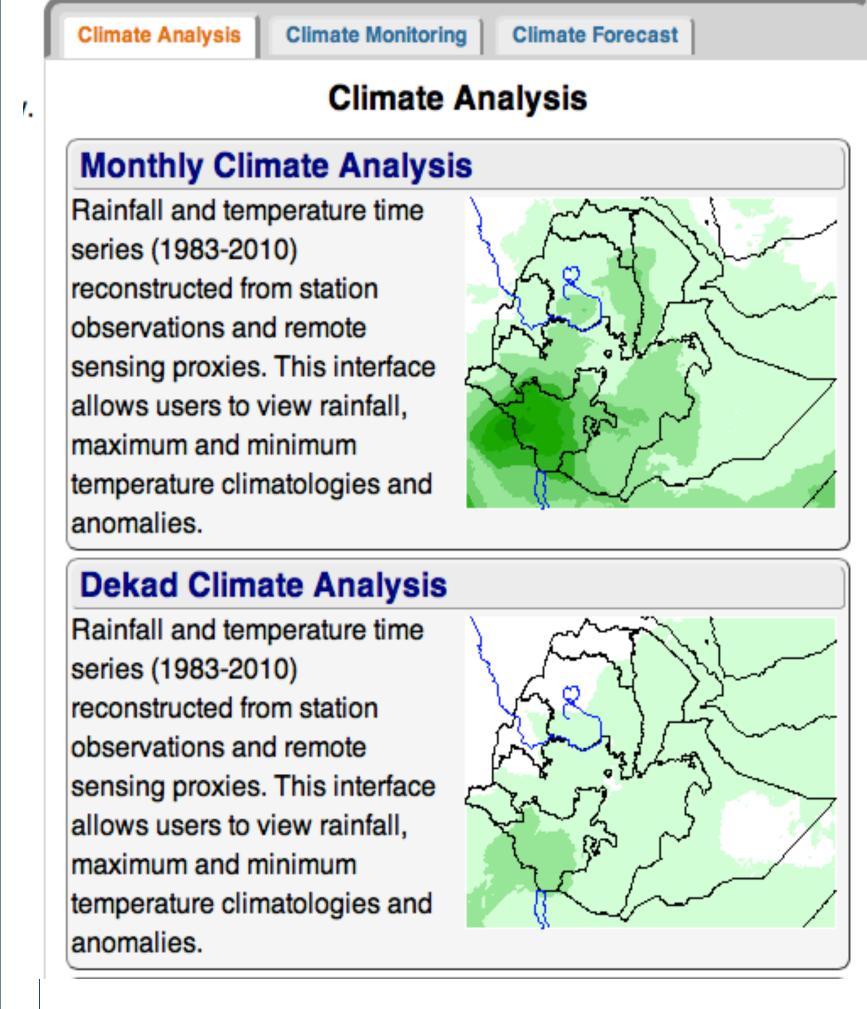
Different data quality issues discovered in the databases Of some countries.

3. Merging Station observations with global proxies



## 2. Enhancing Access

## The ENATS Maproom



The Climate Analysis Maproom provides information on the mean climate at any given point or at national and sub-national levels.

The Climate Monitoring Maproom enables monitoring of the current season, allowing for the comparison of the current season to either the mean or data from recent years.

The Climate Forecast Maproom translates seasonal forecasts to values that may more easily be understood by users, and also enables analyses of the impact of different phases of the ENSO and the Indian Ocean Dipole(IOD) on rainfall

# **Major Outputs**

- Over 30/50-years of climate time series for every 4km grid across each country:
  - → Now data available where there are no stations
- Installation of the IRI Data Library at NMHS
  - → A powerful tool for generating climate information
- Unprecedented online access to information products:
  - → Satisfies the needs of many users
  - → Overcomes (partly) the challenges of data access
- Built capacity at NMHS and some user communities

## **ENACTS Countries**

Ethiopia
Gambia
Ghana
Madagascar
Mali
Rwanda
Tanzania
Zambia
Kenya
Uganda
Walawi
Uganda
Malawi
Enhancing national climate services

#### **Moving Forward**

- 1. Strengthen ENACTS where it has already been implemented
  - More climate variables
  - More application-specific products
  - More user engagement
- 2. Expand ENACTS to more Countries