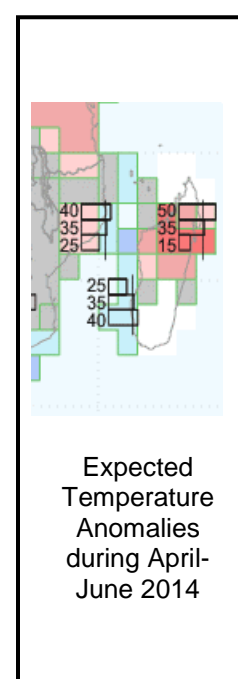
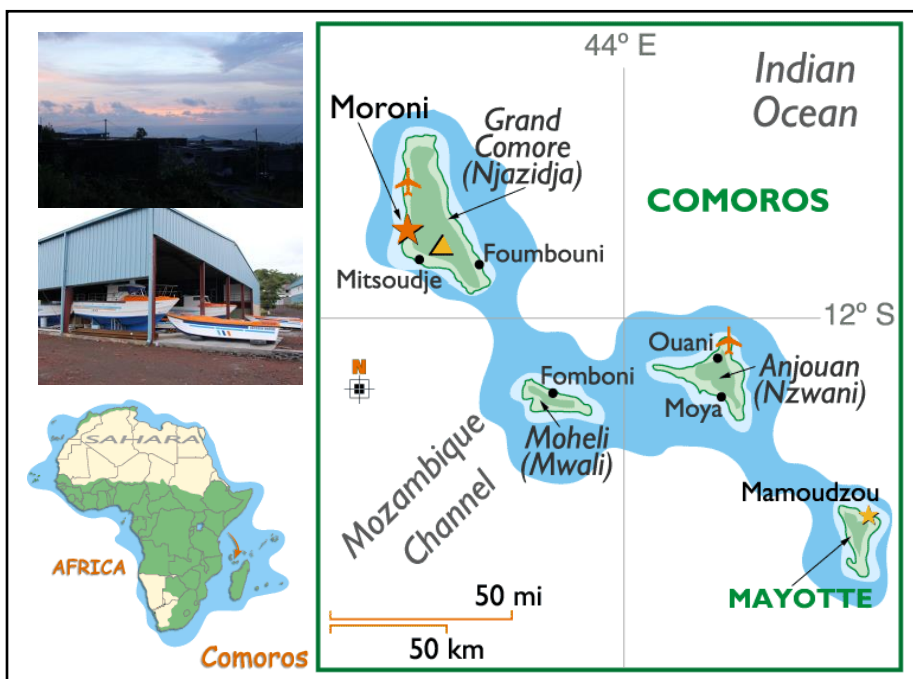
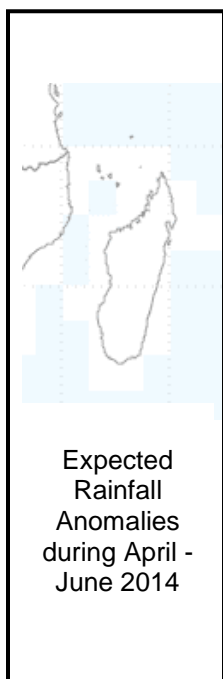


# Foundation for Environment, Climate and Technology (FECT – Afrique)

**Collaborators:** Foundation for Environment, Climate and Technology, New York and Sri Lanka, Hairu Fisheries Management, Comoros and Columbia University, New York, USA.

<http://www.tropicalclimate.org/comoros/>

**Introduction:** Climate and its change poses compelling challenges for Comoros as for the rest of Africa. In the view of many of our Comorian government, the capacity to undertake climate and adaptation related work should be enhanced. The Hairu Fisheries Management Company and Hairu Engineering Consultancy (HEC) have been engaged in Infrastructure Development with the Office of the President of Comoros and associated Ministries for several years. The Foundation for Environment, Climate and Technology (FECT) grew out of the decade-long collaboration between Sri Lanka institutions and Columbia University. FECT is collaborating with HEC to support the work of Comorian agencies in undertaking research in Comoros and the Fisheries project. This flyer contains the time lines of events, the work areas that we are initiating, partners that we have started to work with and contact details. We are developing a website to share information at (<http://www.tropicalclimate.org/comoros/>). We have registered FECT-Afrique as a Non-Governmental Organization as of November 29, 2014 with the Government of Comoros.



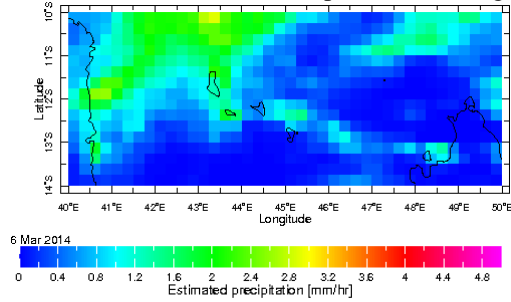
## Time Line

- January 2014: Invitation from Chairman of Hairu Group to Visit Comoros
  - Visit to Hairu Group Headquarters for orientation and planning
- February 2014: One week visit by Lareef Zubair for meetings hosted by the Hairu Group with
  - State Agencies for Agriculture, Water, Disaster Management
  - State Agencies for Census and Statistics, Topography (Survey) and Meteorology
  - Head and Deputies of Hairu Fisheries Management, Hairu Engineering Consultancy,
  - Master Fisherman from 20 Fishing Villages, Deputy Minister of Fisheries,
  - Fisheries Craft Manufacturing Complex and Fisheries Training School of Hairu Fisheries.
  - Community Centre for Hahaya Village
  - Chef de Department de Geographie, Universitie do Comoros
- February 2014
  - Visit to Boat Manufacturing Complex of the Hairu Group in Oluvil and Oluvil Harbour.
- March 2014
  - Communication with Comorian Agencies
- November 2014 FECT-Afrique is registered as a non-profit organization

## Work Programs

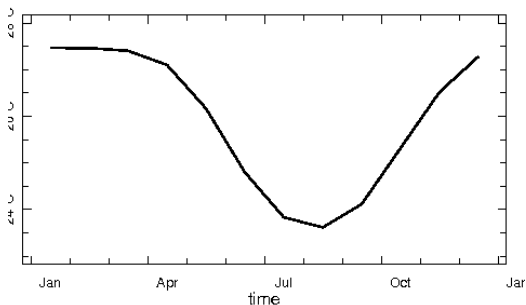
### ▪ Satellite Rainfall Monitoring Tool

We have customized a web tool to obtain 10 years of rainfall history over every 100/250 km regions in the Comoros. See observations for March 6, 2014. We shall compare these with ground observations.



### ▪ Climatological Analysis

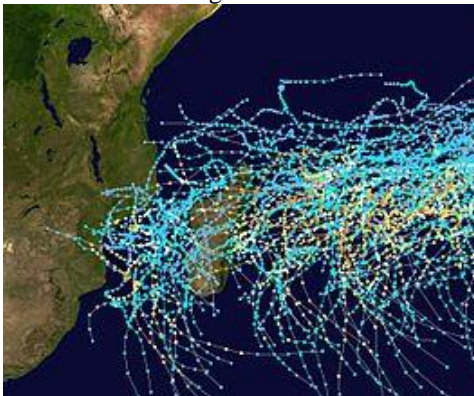
In Collaboration with the Comorian Meteorological Service, and Universitie de Comoros and others, we shall investigate the spatial variability of rainfall and factors that influence the Seasonal to Inter-Annual Variability.



▪ Climate Predictions for Comoros Predictions of climate for Comoros is available from multiple sources such as the IRI. We shall review available predictions for skill.

### ▪ Weather and Hazard Outlooks for Fishing Operations

This collaboration focuses on setting up available weather predictions, development of customized predictions and the translation of these for cyclone, high wind speed, heavy rain and inundation forecasting.



Cyclone tracks in the South-West Indian Ocean 1980-2005 –  
Courtesy: Wikipedia.

### ▪ Fisheries Outlooks (planned for the future)

There is potential for use of remote sensing and oceanic model output for fisheries. This work is based on tying together fisheries information and environmental information.

## Collaborations and Consultations

### Comorian Institutions

National Agency for Civil Aviation and Meteorology, (ANACM)

Institute National de Recherche pour l'Agriculture, le Pêche et l'Environnement (l'INRAPE)

Institut National De Statistique, de Etudes Economiques et Démographiques (INSEED)

Service Topographique (TOPO)

Direction de l'Energie et des Ressources en Eau (DERE)

Universitie do Comoros,

[Hairu Fisheries Management](#) (HFM)

[Hairu Engineering Consultancy](#) (HEC)

### Directors:

Lareef Zubair

Rukshan Malewana

### Consultations in Comoros

Mme Mariama Antoy Ben Bacar (INRAPE),

Monsieur Asnaoui Mohadji (INRAPE)

Monsieur Mahdy Youssouf (INSEED)

Monsieur Ahmed Djoumoi (INSEED)

Monsieur Ismail Oumouri (TOPO)

Dr. Ibrahim Mohamed (Universitie)

Dr. Ibrahim Ahmed Kassim (DERE)

Dr. Said Hassane (Ministry of Education)

### Contributors at Hairu Group (Comoros)

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Malewana, M. Jowsick

### Contributors at FECT

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