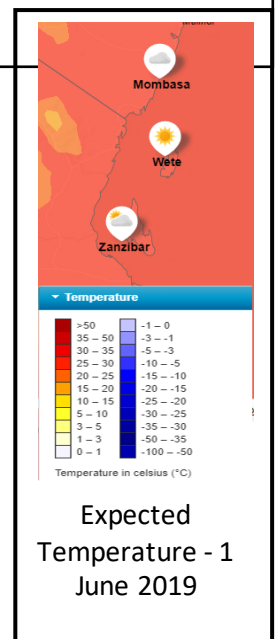
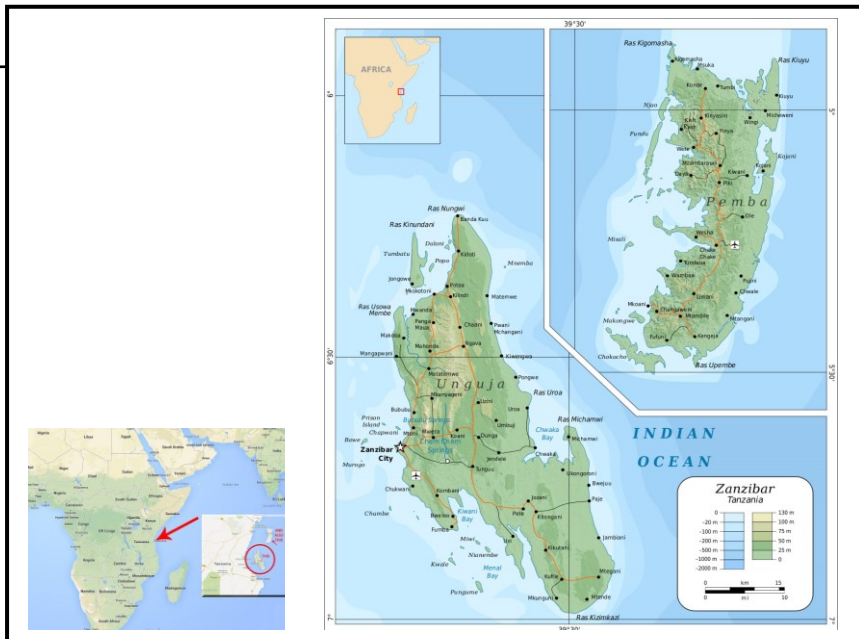
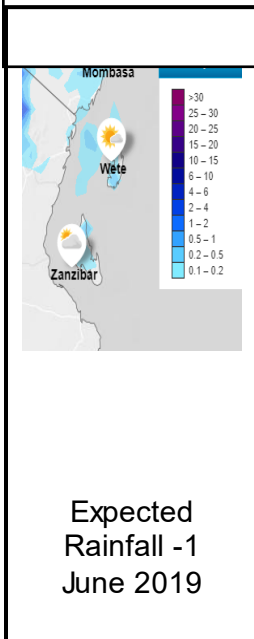


Foundation for Environment, Climate and Technology

Collaborators: Foundation for Environment, Climate and Technology, New York and Sri Lanka, Hairu Group and Columbia University, New York, USA

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

Summary: Building on two decades of research in Indian Ocean islands, we started research and development in climate and environmental analysis, computation, monitoring and prediction technologies in Zanzibar in 2018. Our work is oriented towards developing useable scientific and technological information for risk management in water resources, disasters, agriculture, energy, environment and public health. We collaborate with government institution, research institutes and universities. 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 developed a website and social media to share information. The work is in consultation with personnel's in industries, fisheries, environment, and disaster management and Universities and Research Institutes.



Time Line

February 2014 - Lareef Zubair and 6 other FECT staff participated in the Finishe Line Workshop of the Agricultural Model Inter Comparison (AgMIP) project in Arusha Tanzania and Visited Dar Es Salaam for consultations.

September 2018 - Lareef Zubair participated in the "Afro-Asia - A New Axis of Knowledge Conference" at the University of Dar Es Salaam on the panel on Climate Change and the Indian Ocean - Social Science Challenges.

- Discussion with Tanzania Meteorological Service officials in Dar Es Salaam on Data Provision.
- Discussion with staff members of the University of Dar -Es- Salaam on ongoing climate work.

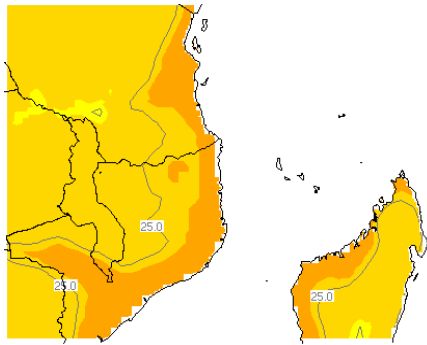
September 2018 - Visit to Zanzibar by Dr. Lareef Zubair, upon the invitation of the Deputy Minister of Trade Industries, for meetings with:

- Institute for Marine Studies, University of Dar-Es-Salaam
- State University of Zanzibar, Vice Chancellor and Lecturers
- Department of Environment, Director
- State Fisheries Agencies, Department of Fisheries
- Disaster Management Commission
- Zanzibar National Library on available literature
- Ministry of Livestock and Fisheries
- Zanzibar Fisheries Corporation

November 2018 - FECT portal for Zanzibar established.

December 2018 - on-wards development of basic climate tools for Zanzibar.

Climatology of Zanzibar



Jan - Monthly Average Mean Temperature

Being situated 60 south of the equator just off the Indian Ocean coast of east Africa, Zanzibar's weather patterns follows that of Tanzania closely. Generally, the main rainy season last during March, April and May. During November and December there's another rainy season

(also known as the 'short rains') . The long dry season, lasts through June, July, August, September and October.

Collaborations and Consultations

Zanzibar Institutions

- Ministry of Trade and Industries (MOTI)
- State University of Zanzibar (SUZA)
- Department of Environment (DoE)
- Department of Fisheries (DoE)
- Disaster Management Commission (DMC)
- Department Environment (DoE)
- Institute of Marine Sciences, University of Dar Es Salaam (IMS)
- Tanzania Meteorological Agency(TMA)
- Zanzibar Fisheries Corp (ZAFICO)

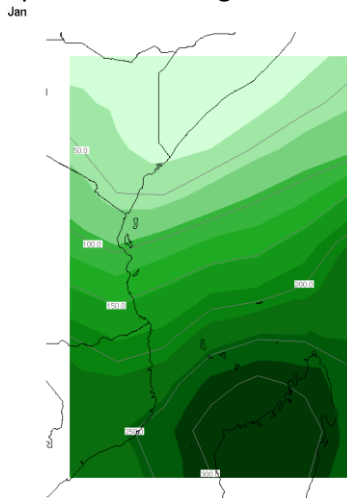
International Institutions

- Western Indian Ocean Marine Science Association (WIOMSA)

Work Programs

▪ Satellite Rainfall Monitoring Tool

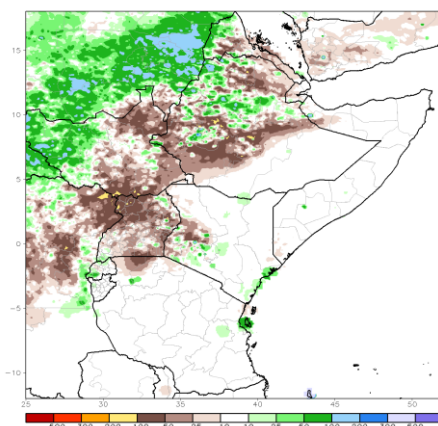
We have customized a web tool to obtain rainfall and wind vectors history data over regions in the Zanzibar. See observations for Jan, 2018. We shall compare these with ground observations.



▪ Climate Predictions for Zanzibar

Predictions of climate for Zanzibar is available from multiple sources such as the NOAA CPC. We shall review available predictions for skill.

ARC2 1-Month Total Rainfall Anomaly (mm)
Period: 01Jul2018 - 31Jul2018



Further Information

Web: www.tropicalclimate.org/zanzibar/

Email: fectza@gmail.com

Twitter: [@fectza](https://twitter.com/fectza)

Consultations in Zanzibar

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DOE: Alauji Haji Hija,

ZAFICO : M. Zohor

SUZA: Prof. Rai, Dr. Abdalla I Ali, Dr. Haji Mwevura

IMS: Dr. Narriana Jiddewa

WIOSA: Dr. Julius Samuel

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