

Contributors in Maldives

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Local Government Authority - Aisath Afaaf

Contributors at FECT



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Other International Contributors

Paul Roundy

Tristan Graham

About FECT

Vision

To sustain a network of excellence in climate, environmental and information technologies and related areas where quality research is to support sustainable development and advance of technological capacity for societal welfare.

FECT Contribution

We have undertaken Climate & Environmental research, implemented climate adaptation projects, developed infrastructure for research and trained a hundred personnel since 1997 in Sri Lanka, United States, Botswana, Maldives, East Africa and Comoros. To sustain these advances, we instituted the Foundation for Environment, Climate and Technology (FECT) as a non-profit company in 2003 in Sri Lanka, in 2009 in USA, in 2014 in Comoros and are in process of registering in the Maldives. FECT contributes to climate, hydrology, adaptation, information technology, social sciences and engineering for sustainable development. Our charter requires us to work towards societal welfare and environmental sustainability without private profit.

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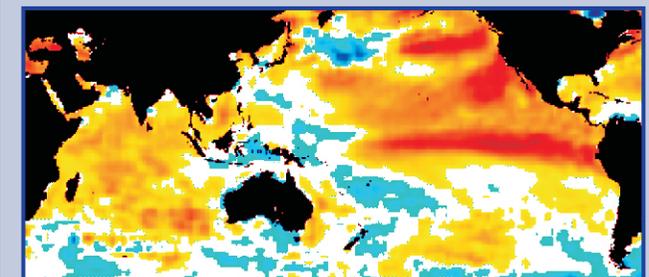
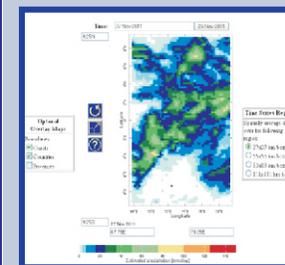
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FECT

*Foundation for Environment
Climate and Technology
Maldives*

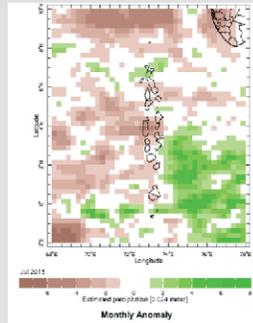


Clockwise: Atolls of Maldives, Sea Surface Temperature Anomalies for August 2015, Historic well in Male, IRI-FECT Rainfall Monitoring Web Tool and some FECT staff.

Projects

Satellite Rainfall Monitoring Tool (2009-2011)

Michael Bell, John De Corral, Shaky Sherpa and Lareef Zubair at Columbia University and FECT have developed a tool to estimate rainfall at 10/25 km grids. These compare well with ground observations from MMS.



Planning for Capacity Development in Climate (2009-2011)

This collaboration with the Ministry of Environment produced a detailed roadmap for Climate related research for the Maldives.

Masters in Sustainable Development Practice at University of Peradeniya (2010 onwards)

This program focuses on Sri Lanka and Maldives. FECT supports collaboration with Maldives through curriculum development, research support, and placements for Maldivian students at the University of Peradeniya. This program is supported by MacArthur

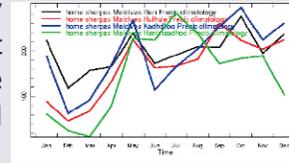


Foundation after a global proposal competition for which Maldives Ministry of Environment supported the University of Peradeniya's and FECT's proposal.

MDP interns undertook water scarcity analysis and energy and water studies with the support of MWSC and REM. A Maldivian Aisath Afaaf has enrolled for MDP following our encouragement.

Climatological Analysis (2010-2011)

FECT, Columbia University and the Maldivian Met Service undertook climate analysis from ground and satellite observations. Differences in climate across the Maldives were quantified. A research paper on El Nino impacts on Maldives has been drafted.



Climate Predictions for Maldives (2011 Onwards)

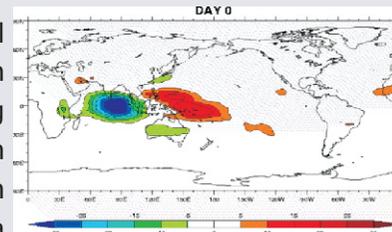


IRI produces climate predictions 3-6 months ahead – we are trying to improve the coverage for the Maldives, improve downscaling and to undertake skill analysis.

This and other findings are reported monthly via our Climate report of which a thumbnail is at left.

Intra Seasonal Climate Predictions for Maldives (2012-2015)

Intra Seasonal rainfall prediction system is being developed in collaboration with SUNY, Columbia University, MMS supported by the US National Academy of Sciences. Resources from the DYNAMO project are being made available by Dr. Adam Sobel of Columbia University.



Drought Monitoring and Climate Change Impacts for Sri Lanka and Maldives (2014-2017)



This project is supported by MNU, MWSC and by the US National Academy of Sciences, and is getting underway.

Photo: A. Yoosuf & K. Wijeratne - Meeting with Eng. M. Rasheed (Manager – Engineering, Male Water & Sewerage Company (Pvt) Ltd (MWSC)

Collaborations and Consultations

Maldivian Institutions

- Maldivian National University (MNU)
- Maldivian Meteorological Service (MMS)
- Ministry of Environment (MEE)
- Ministry of Fisheries and Agriculture
- Disaster Management Centre
- Renewable Energy Maldives (REM)
- LaMer Pvt Ltd (LaMER)
- UNDP Maldives
- Marine Resources Center (MRC)

International Institutions

- Columbia University Water Center
- Lamont Doherty Earth Observatory
- International Research Institute for Climate and Society
- State University of New York -Albany
- University of Peradeniya, Sri Lanka.