CONTRIBUTORS IN MALDIVES

FECT-MV: Aishath Afaaf, Hudha Ahmed, Mizna Mohamed

Health Protection Agency (HPA): Nishan Ahmed

LaMer (Pvt) Ltd.: I. Abid

Maldives Meteorological Service (MMS): Dr. Zahid, Abdulla Wahid, Abdul Muhsin Ramiz

Maldives National University (MNU): Dr. Shazla Mohamed, Majeeda Mohamed, Mohamed Rasheed

Marine Research Centre (MRC): S. Naeem

Ministry of Environment: Ali Shareef

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Renewable Energy Maldives (REM): Hudha Ahmed

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CONTRIBUTORS AT FECT

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Upmanu Lall
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WEB AND SOCIAL MEDIA

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ABOUT FECT

Vision

To sustain as a network of excellence in climate, environmental, information technologies and related areas where state of the art research is pursued; technological capability is advanced and disseminated and where all of this is combined to execute socially valued projects.

Mission

To sustain a center of excellence in climate, environment and information technologies with quality research to address societal concerns and ecological protection.

OUR CONTRIBUTION

FECT contributes to climate, hydrology, adaptation, information technology, social sciences and engineering for sustainable development. We have undertaken climate adaptation projects and trained personnel. Our charter requires us to work towards societal welfare and environmental sustainability without private profit.

INSTITUTIONAL PROFILE

To sustain our advances, we instituted the Foundation for Environment, Climate and Technology (FECT) as a non-profit company in 2003 in Sri Lanka. We have been working in Maldives since 2009.

Company Name:	Foundation for Environment, Climate and Technology
Registration No.:	CR/48/2018
Date of Incorporation:	August 2018
Office Bearers:	
President:	Ms.Hudha Ahmed
Vice President:	Dr. Lareef Zubair
Secretary:	Ms. Aishath Afaaf
Treasurer:	Dr. Mizna Mohamed

CONTACTS

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FOUNDATION FOR ENVIRONMENT CLIMATE AND TECHNOLOGY

MALDIVES

FECT
Foundation for Environment Climate & Technology

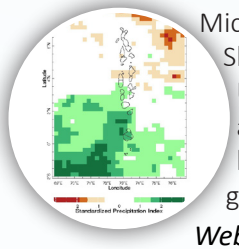
PROJECTS

STEM Education and Capacity Building in Southern Maldives (2018-2019)

We are supporting Science, Technology, Engineering, and Mathematics (STEM) learning in two schools in Southern Maldives. Scientific and weather instruments were provided. A portal has been developed to provide access to students to resources at SIRC and FECT.

Website: www.climate.mv/stem
Student Portal: stem.climate.mv
Sponsors: US National Academy of Sciences

Satellite Rainfall Monitoring Tool (2009-2011)

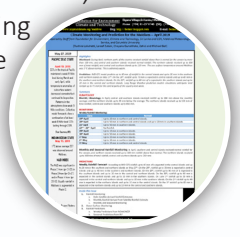


Michael Bell, John De Corral, Shaky Sherpa and Lareef Zubair at Columbia University and FECT have developed a tool to estimate rainfall with 10/25 km grids. These compare well with ground observations from MMS.

Website: www.climate.mv/monitoring

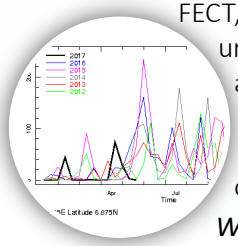
Climate Bulletin for Maldives (2011 Onwards)

IRI produces climate predictions 3-6 months ahead – we are improving the coverage for the Maldives, improving downscaling and undertaking skill analysis. Our predictions are reported monthly via our monthly climate report of which a thumbnail is at left.



Website: www.climate.mv/bulletin
Blog: www.fectmv.blogspot.com

Climatological Analysis (2010-2011)



FECT, Columbia University and the MMS undertook climate analysis from ground and satellite observations. Regional differences in climate were quantified. A research paper on El Nino impacts on Maldives has been developed.

Website: www.climate.mv/climatology

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

Scientists from FECT, MNU, Columbia University worked with the Maldives' Meteorological Services to develop monitoring and predictive tools for drought risks. A portal on drought was developed.

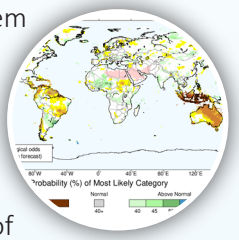
Website: www.climate.mv/drought
Sponsors: US National Academy of Sciences, USAID.

Can Drought and Flood Hazards Be Skillfully and Robustly Assessed at Fine Spatial Resolution in Maldives and Sri Lanka? (2015-2018)

Climate and disaster data were compiled. Monthly digest of climate diagnosis, monitoring and predictions are being provided. Real time monitoring is carried out through the weather instruments.

Website: www.climate.mv/hazards
Sponsors: US National Academy of Sciences, USAID.

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.

Website: www.climate.mv/water
Sponsors: US National Academy of Sciences, USAID

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 at the request of the Minister M. Aslam.

Sponsors: International Research Institute for Climate and Society, FECT

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

While University of Peradeniya undertook this, 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 Mac Arthur Foundation after a global proposal competition for which Maldives Ministry of Environment supported the University of Peradeniya and FECT proposal.

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

Website: http://tropicalclimate.org/mdp

COLLABORATIONS AND CONSULTATION

Maldivian Institutions

Maldivian National University (MNU)
Maldivian Meteorological Service (MMS)
Ministry of Environment (ME)
Small Island Research Group/Center (SIRG/SIRC)
Disaster Management Centre (DMC)
Renewable Energy Maldives (REM)
LaMer Pvt Ltd (LaMer)
UNDP Maldives (UNDP)
Marine Resources Center (MRC)
Ministry of Fisheries and Agriculture

International Institutions

Columbia University Water Center (CUWC)
Lamont Doherty Earth Observatory (LDEO)
International Research Institute for Climate and Society (IRI)
University of Peradeniya, Sri Lanka (UoP)