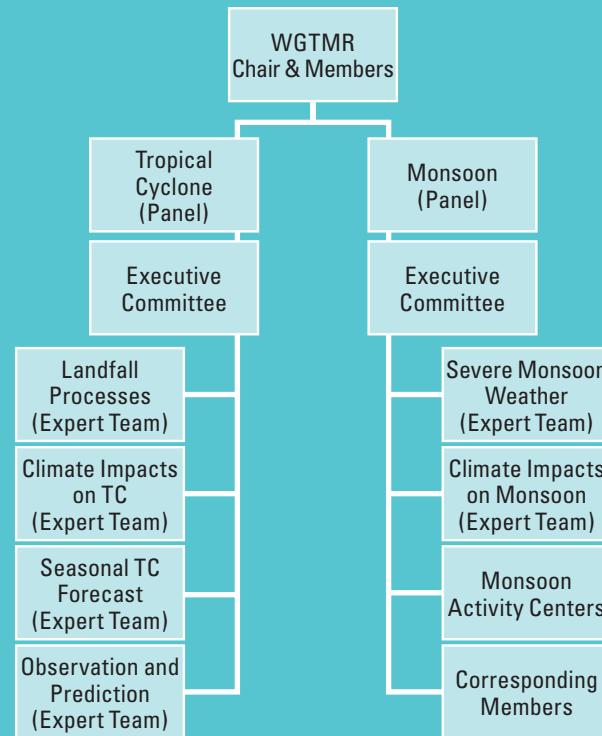


# Mission

To promote and facilitate the exchange, cooperation, and collaboration among researchers and forecasters on the research of high-impact weather in the tropical and monsoon regions, particularly those considered high priority by National Meteorological and Hydrological Services (NMHSs) in their efforts to improve forecast and disaster reduction and mitigation.

# Structure

# WGTMR



# Working Group on Tropical Meteorology Research

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## Past activities

Publication of the book: *"The Global Monsoon System: Research and Forecast"* (January 2011)

Publication of the book *"Global Perspectives on Tropical Cyclones: From Research to Mitigation"* (April 2010)

Seventh International Workshop on Tropical Cyclones (IWTC-VII) (St. Denis, La R union, France 15-20 November 2010)

Third International Conference on Quantitative Precipitation Estimation/Quantitative Precipitation Forecasting and Hydrology (QPE/QPF III) (Nanjing, China, 18-22 October 2010)

Establishment of three Monsoon Data Archive Centres (2009-2010)

Second International Workshop on Tropical Cyclone Landfall Processes (Shanghai, China, 19-23 October 2009)

First International Conference on Indian Ocean Tropical Cyclones and Climate Change (Muscat, Sultanate of Oman, 8-11 March 2009)

Fourth WMO International Workshop on Monsoons (IWM-IV) (Beijing, China, 20-25 October 2008)

Workshop on Operational Monsoon Research and Forecast Issues (Beijing, China, 24-25 October 2008)

Tropical Cyclone Structure (TCS08) Field Experiment (August & September 2008)

Development of a Training Module for Forecasters in the Tropics (in collaboration with the COMET programme)

## Current activities

Preparation for the Monsoon Heavy Rainfall Workshop (Beijing, October 2011)

Preparation for the Second International Conference on Indian Ocean Tropical Cyclones and Climate Change (New Delhi, February 2012)

Preparation for the Fifth International Workshop on Monsoons (December 2012)

Joint Activities with T-PARC

Typhoon Landfall Forecast Demonstration Project (2010-2012)

Preparation of the IWM-IV Workshop Report

Preparation of the QPE-QPF III Conference Report

Continuous updating and improvement of the Tropical Cyclone Seasonal Forecasts Website

Improvement of the Website for Tropical Cyclone Researchers

## Future activities

Evaluation of skill of seasonal tropical cyclone forecasts

Updated statement on Tropical Cyclones and Climate Change

Conduct tropical cyclone field programmes and experiments aimed at advancing understanding and capability to predict tropical cyclone landfall and its impacts.

Evaluation of multi-model (consensus) forecasts

Conduct monsoon heavy rainfall research development project

Provide guidance to the development of GIFS-TIGGE RDPs and FDPs relevant to tropical cyclone activity

Third International Workshop on Tropical Cyclone Landfall Processes (IWTCLP-III) (2013)

Research collaboration with WCRP aimed at advancing knowledge and improving predictive skill for the interannual variation of tropical cyclones

Establishment of an international virtual laboratory on severe monsoon weather/heavy rainfall

International mesoscale model intercomparison of a typhoon-topography interaction

