



Program

Workshop on Disasters due to Premonsoon Severe Local Storms (SLSs) over the Northeastern Indian Subcontinent (NEIS)

Time/Date: 10:00–16:30, 23 May 2025

Campus MAP

Venue: Collaborative Research Hub, DPRI, Kyoto University, Uji, Kyoto, Japan



<opening>

Session 1: "Long-Term Climate Variability and Cloud Bursts in Asian Terrestrial Regions" Chair: S. K. Panda / CURAJ, India

Mitigating Disasters due to Cloudbursts over the Himalayas (*online*)

Someshwar Das

South Asian Meteorological Association (SAMA)

An Experimental Evaluation of Monsoon Local Transition by Wind

Shao-Yi Lee

Kyoto University, Japan

Influences of Indian Ocean Dipole and El Niño–Southern Oscillation on Thunderstorm Events in Indonesia

Novvria Sagita

Kyoto University, Japan

Integrated River Basin Management for the Flood –Case Study in Toyama, Japan

Masashi Kiguchi and Taikan Oki

University of Tokyo, Japan

Long-Term Trend and Interannual Variability of Premonsoon Precipitation in Nepal and India

Azusa Fukushima

Kobe Gakuin University, Japan

<lunch>

Session 2 "Development of Coordinated Research Initiatives for Mitigating the Effects of Severe Local Storms" Chair: Tetsuya Takemi / Kyoto Univ., Japan

Development of a Local Severe Convective Storm Database for Northeast India and Initial Results from the state of Assam

Rahul Mahanta

Cotton University, India

AsiaPEX Observation Platform for Severe Local Storms and Formation Processes of Lower Tropospheric High Moist Static Energy Airmass

Toru Terao

Kagawa University, Japan

Session 3 "Observational Research of Severe Local Storms over the NE Indian Subcontinent" Chair: Rahul Mahanta / Cotton Univ., India

Mesoscale Convective System Over Northeast India subcontinent

Prolay Saha

Cotton University, India

Spatio-Temporal Patterns of Rainfall over the Northeast Indian Subcontinent Based on Weather Radar Measurements

Hideyuki Kamimera

NIED, Japan

An Observation of Precipitation Characteristics during Landfall of Cyclone Remal on 26–27 May 2024 using a X-band Marine Radar and a Disdrometer in Dhaka, Bangladesh

Fumie Murata

Kochi University, Japan

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Session 4 "Development of Modeling for Severe Local Storms over the NE Indian Subcontinent" Chair: Toru Terao / Kagawa Univ., Japan

Performance Evaluation and Detection Efficiency of Weather Research Forecasting (WRF) in Simulating Pre-monsoon Severe Local Storms over the North-eastern Indian Subcontinent

Subrat Kumar Panda

Central University of Rajasthan, India

Development of a High-Resolution Weather Research Forecasting (WRF) Model Framework for Lightning and Thunderstorm Prediction in Northeast India (*online*)

Unashish Mondal

Central University of Rajasthan, India

Impact of Land–Atmosphere Feedback Processes on Pre-monsoon Extreme Precipitation over North-east Indian Region (*online*)

Naresh Ganeshi

Indian Institute of Tropical Meteorology, India

Session 5: "Disaster Prevention for Severe Local Storms over the NE Indian Subcontinent" Chair: Taiichi Hayashi / Kyoto Univ., Japan

Developing a Sustainable Early Warning System for Hydrometeorological Hazards in Northeastern Bangladesh

Mohan Kumar Das

NOAMI, Bangladesh

Rainfall Pattern and Probability Estimation in the Lower Brahmaputra Floodplain region (*online*)

Pranab Dutta

Gauhati University, India

<closing>



Hosted by: DPRI, Kyoto University / C4R, Cotton University / ICEDS, Kagawa University
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