



Webinar Series on Climate Change Projection for Disaster Risk Reduction in Asia-Pacific Region

Fourth Webinar with Malaysia

27 February 2025

15:00 - 17:00

[Japan Time, UTC+9]

14:00 - 16:00

[Malaysia Time, UTC+8]



REGISTRATION

For registration, please scan this QR code or visit the link below and fill out the registration form



https://bit.ly/SentanProArea4_4th

CERTIFICATE

Register and attend workshops and receive a Certificate of Participation. For application of the Certificate:

https://bit.ly/ReqForm_Sentan_Certificate

*The deadline for submitting the request form is 7 March 2025 (Fri).



SentanPro Website

Conference Documents are available at

<http://www.castr.dpri.kyoto-u.ac.jp/sentan4/webinar/index.html>



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Background

In the Sixth Assessment Report (AR6) of the IPCC, which comprises the contributions of three Working Groups: Working Group 1 (the physical science basis); Working Group 2 (impacts, adaptation, and vulnerability); and Working Group 3 (mitigation), extremes – including temperature extremes, heavy precipitation, pluvial floods, river floods, droughts, and storms – are highlighted as main Climatic Impact Drivers (CIDs) that affect an element of society or ecosystems. These extremes are mentioned in the Working Group 1 Report to show the science of how and why the climate has changed. In the Working Group 2 Report, research on the impacts of extremes (e.g., storms and floods) has evolved to include not only the assessment of impacts on the ecosystems and biodiversity but also the assessment of impacts on humans and their diverse societies, cultures, and settlements as well as social changes in population and economies.

IPCC Sixth Assessment Report, <https://www.ipcc.ch/report/sixth-assessment-report-cycle/>

Objectives

In view of the findings of AR6, the Advanced Study of Climate Change Projection (SENTAN), which comprises a number of research institutes in Asia and the Pacific, aims to achieve the integration of hazard models focusing on storm-and-flood hazards and water resources. In particular, it aims to develop a climate change impact projection model of extreme weather events (e.g., storms and floods) that is downscaled to Japan and Asia-Pacific region. This study will assess the effects of extreme weather events and analyze the changes of hazards with rising temperature, as downscaled to Japan and Asia-Pacific region.

Against this backdrop, the SENTAN project is organizing a series of webinars that will serve as venue to:

- present the framework of hazard-related weather information (developed by SENTAN) to be applied to climate change adaptation
- share the products of climate change projections and improve climate change literacy among DRR practitioners, researchers, and engineers

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SPEAKERS:



Introduction of Japan's National Climate Program (SENTAN Program)

Prof. MORI Nobuhito

Professor, Research Center for Climate Change Adaptation Strategy, Disaster Prevention Research Institute, Kyoto University



Impact of climate change and extreme weather events in Malaysia

Dato' Ir Mohd Zaki bin Mat Amin

Director General, National Water Research Institute of Malaysia, Ministry of Natural Resources and Environmental Sustainability (NRES), Malaysia



How are Future Climates Projected under a Global Warming in a Computer?

Dr NAKAEGAWA Toshiyuki

Head, Second laboratory, Department of Applied Meteorology Research, Meteorological Research Institute (MRI), Japan Meteorological Agency (JMA)



Monitoring and Forecasting Severe Weather due to Monsoon Surges during Northeast Monsoon Season in Malaysia

Mr Ambun Dindang

Deputy Director General (Operation), Malaysian Meteorological Department, Ministry of Natural Resources and Environmental Sustainability (NRES), Malaysia



Dynamical Downscaling of Climate Projection Data

Dr MURATA Akihiko

Director, Department of Applied Meteorology Research, Meteorological Research Institute (MRI), Japan Meteorological Agency (JMA)



Climate Resilience and Risk Governance in Malaysia: Retrospective and Prospective View

Ms Lavanya Rama Iyer

Director of Policy and Climate Change, WWF-Malaysia



Platforms on Water Resilience and Disasters for Social Sustainability

Mr MORI Noriyuki

Deputy Director, International Center for Water Hazard and Risk Management (ICHARM), Public Works Research Institute (PWRI)



Exposure Elements in Disaster Databases and Availability for Local Scale Application

Gs. Dr Norfashareena binti Muhamad

Head of Southeast Asia Disaster Prevention Research Initiative (SEADPRI), Universiti Kebangsaan Malaysia



Closing remarks & Wrap-up

Prof. TACHIKAWA Yasuto

Professor, Hydrology and Water Resources Research Laboratory, Kyoto University

FACILITATORS:



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