The Second International Workshop on Prevention and Mitigation of Meteorological Disasters in Southeast Asia

PROGRAM

March 2-5, 2009

at the Jayakarta Bandung Suite Hotel & Spa, Indonesia

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March	2	(M	on)

Registration

11:00

15:30

12:00	(Lunch)	
Openin	g session	(Chair: Tri Wahyu HADI)
13:30	Tri Wahyu HADI (ITB, Indonesi	ia)
	Welcome, opening remarks, ar	nd logistics
13:40	Emmy SUPARKA (ITB, Indone	sia)
	Welcome address	
14:00	Takashi NISHIGAKI (JST, Japa	an)
	Welcome address	
14:20	Shigeo YODEN (DG/Kyoto U.,	Japan)
	International Collaborations on	Prevention and Mitigation of Meteorological Disasters in
	Southeast Asia	
14:50	Mu MU (IAP/CAS, China)	
	Approaches to Adaptive Obser	vation for Improving High Impact Weather Prediction: CNOP and
	SV	

Session I: Downscale NWPs (Chair: Takehiko SATOMURA)

16:00 Tri Wahyu HADI (ITB, Indonesia)

(Coffee break)

Prediction of Diurnal Variation over Java Island: A Four-Model Intercomparison

16:30 Shugo HAYASHI (MRI/JMA, Japan)

Statistical Verifications of Short Term NWP by NHM and WRF-ARW around Japan and

Southeast Asia

17:00 Introduction of posters

Two minutes talk without ppt slides

17:30 (End of the first day sessions)

19:00 <<< Joint banquet with JSPS-AASP at the Jayakarta Hotel >>>

March 3 (Tue)

Session I: - continued (Chair: Toshiki IWASAKI) 08:30 Md. Nazrul ISLAM (SAARC/MRC, Bangladesh) Regional Climate Model in Prevention of Meteorological Disaster in SAARC Region 09:00 KIEU Thi Xin (U. of Hanoi, Vietnam) Implementing Regional Hydrostatical Models & NHM of MRI for the Historical Heavy Rain Case Caused Flooding in Hanoi in November 2008. Comparision Development of a Short-Range Ensemble Prediction System at NCHMF: Preliminary Results (Le DUC, NCHMF, Vietnam) 09:30 Wai-kin WONG (Hong Kong Obs., Hong Kong) Development and Applications of JMA-NHM in Support of Severe Weather Forecasting in Hong Kong 10:00 (Coffee break) Session II: Tropical disturbances and precipitation process (Chair: Chun-Chieh WU) 10:30 Takehiko SATOMURA (DG/Kyoto U., Japan) Numerical Simulation of Precipitation System Moving over the Bay of Bengal 11:00 Hiromu SEKO (MRI/JMA, Japan) Structure of the Regional Heavy Rainfall System that Occurred in Mumbai, India, on 26 July 2005 11:30 Tetsuya TAKEMI (DPRI/Kyoto U., Japan) High-Resolution Modeling Study of an Extreme Rainfall Event in a Complex Terrain under the Influence of Typhoon Fung-Wong (2008) 12:00 (Lunch) Session II: - continued (Chair: Tieh Yong KOH) 13:30 Toshiki IWASAKI (Tohoku U., Japan) Influences of Cloud Microphysical Processes on Structure and Development of Tropical Cyclone Part II: Effects of evaporation from rain 14:00 Yoichi ISHIKAWA (DG/Kyoto U., Japan) Interaction between Tropical Convective Clouds and Ocean Mixed Layer Simulated by a High-Resolution Coupled Model 14:20 Madhavan N. RAJEEVAN (NARL, India) Sensitivity of Different Microphysics Parameterization Schemes to the Simulation of Mesoscale Convective Systems Observed over Gadanki, India 14:40 Tohru KURODA (MRI/JMA, Japan) NHM Utilities for SE Asian NWP and Numerical Experiments of Myanmar Cyclone Nargis 15:00 (Coffee break)

Session III: Observation network (joint with JSPS-AASP)

(Chair: Toshitaka TSUDA)

15:30 Manabu D. YAMANAKA (JAMSTEC, Japan)

Overview and Scientific Background of JEPP-HARIMAU Project: Long Coastlines of Maritime Continent Governing Global Climate

16:00 Masato SHIOTANI (RISH/Kyoto U., Japan)

Ozone and Water Vapor Observations in the Equatorial Pacific

16:30 Tieh Yong KOH (Nanyang T. U., Singapore)

Towards a Mesoscale Observation Network in Southeast Asia

17:00 Basuki SUHARDIMAN (ITB, Indonesia)

Trans European Information Network 3 (TEIN3) and Its Potential Use for the Weather and Climate Research in Southeast Asia

17:20 (End of the second day sessions)

<<< Group photo >>>

March 4 (Wed)

Session IV: New methods in observation, data assimilation, and NWPs (joint with JSPS-AASP)

(Chair: Masato SHIOTANI)

08:30 Toshitaka TSUDA (RISH/Kyoto U., Japan)

Application of GPS Radio Occultation (RO) Data for the Studies of Atmospheric Dynamics and Data Assimilation into Numerical Weather Prediction Model

09:00 Seon Ki PARK (Ewha W.U., Korea)

Data Assimilation and Parameter Estimation to Improve Forecast Accuracy of Disastrous Weather Systems

09:30 Kevin CHEUNG (Macquarie U., Australia)

A Statistical Tropical Cyclone Rainfall Model for the Taiwan Area

10:00 (Coffee break)

Session IV: - continued (Chair: Mezak A. RATAG)

10:30 Chun-Chieh WU (National Taiwan U., Taiwan)

Targeted Observation for Improving Tropical Cyclone Predictability – DOTSTAR and T-PARC

11:00 DODLA V. Bhaskar Rao (Andhra U., India)

Ensemble Prediction of "SIDR" Cyclone over Bay of Bengal Using a High Resolution Mesoscale Model

11:30 Kazuo SAITO (MRI/JMA, Japan)

Ensemble Forecast Experiment of Cyclone Nargis

12:00 (Lunch)

Session V: Risk assessment and community preparedness (Chair: Kazuo SAITO)

13:30 Hirohiko ISHIKAWA (DPRI/Kyoto U., Japan)

Estimation of Meteorological Hazards Using Output from Numerical Weather Prediction Model

14:00 Kamol PROMASAKHA NA SAKOLNAKHON (TMD, Thailand)

Case Study: The Atmospheric Stability Indices and Applied GIS Risk Assessment Severe Thunderstorms in the Northeastern of Thailand

14:30 Mezak A. RATAG (BMG, Indonesia)

Roles of High Resolution Weather and Climate Models in Disaster Risk Management at District Level

15:00 (Coffee break)

Tutorials

15:30 Kazuo SAITO, Shugo HAYASHI, and Tohru KURODA (MRI/JMA, Japan)

Introduction to Non-Hydrostatic Model of MRI/JMA

17:00 (End of the third day sessions)

March 5 (Thu)

Session VI: Extended range NWPs (Chair: Mu MU)

08:30 Hitoshi MUKOUGAWA (DPRI/Kyoto U., Japan)

On the Influence of the Tropical Intraseasonal Oscillation to the Predictability of the Pacific/North American Pattern

09:00 Krushna C. GOUDA (CSIR/CMMCS, India)

Advance Prediction of Date of Onset of Monsoon: Dynamical Basis and Skill Evaluation

09:30 Donaldi Sukma PERMANA (BMG, Indonesia)

Comparisons between Conformal Cubic Atmospheric Model (CCAM) and Global Forecasting System (GFS): Global Model Output over Indonesia in September – October – November (SON) 2008

10:00 (Coffee break)

Session VII: Data assimilation (Chair: Seon Ki PARK)

10:30 Yoshinori SHOJI (MRI/JMA, Japan)

Data Assimilation of Precipitable Water Vapor Derived from GPS Network in South East Asia

11:00 I Dewa Gede A. JUNNAEDHI (ITB, Indonesia)

Impact of Local Data Assimilation on Short Range Weather Prediction in Indonesia : A

Preliminary Result

11:30 (Lunch)

Poster session

13:00 Kosuke ITO (DG/Kyoto U., Japan)

Improved Estimates of Air-Sea Fluxes in a Tropical Cyclone Using an Adjoint Method

Takuya KAWABATA (MRI/JMA, Japan)

Development and Results of a Cloud-Resolving Nonhydrostatic 4DVAR Assimilation System

Hyun Hee KIM (Ewha W.U., Korea)

Identification of Adaptive Observation Area in Typhoon Megi (2002) Using an Ensemble Data

Assimilation Method

Masaru KUNII (MRI/JMA, Japan)

Sensitivity Analysis using the Mesoscale Singular Vectors

Jalu Tejo NUGROHO (LAPAN, Indonesia)

Solar Cycle Prediction using Periodicity Analysis of Weighted Wavelet Z-Transform

Shigenori OTSUKA (DG/Kyoto U., Japan)

Numerical Experiments on Formation Processes of Thin Moist Layers in the Mid-Troposphere

over a Tropical Ocean

Kazuo SAITO (MRI/JMA, Japan)

Achievements and Experiences of MRI/JMA at the WWRP Beijing Olympic Research and

Development Project

Hiromu SEKO (MRI/JMA, Japan)

Mesoscale Ensemble Experiments on Potential Parameters for Tornado Formation

Hiromu SEKO (MRI/JMA, Japan)

Mesoscale Ensemble Experiments on Heavy Rainfalls in Japan Area using LETKF

Tri Handoko SETO (BPPT, Indonesia)

Weather Modification Technology for Flood Prevention in Indonesia

Ibnu SOFIAN (BAKOSURTANAL, Indonesia)

Simulation of Wind-Setup Wave in the Indonesian Seas Using the Nesting Wavewatch III

Elza SURMAINI (Dept. of Agriculture, Indonesia)

Validation of ECMWF Seasonal Forecast Output in Indonesia

Closing session (Chair: Shigeo YODEN)

14:30 All Participants

Discussion for Future Activities

15:00 (Adjourn)

JST - Special Coordination Funds for Promoting Science and Technology (FY2007-9): Asia S&T Strategic Cooperation Program

"The Second International Workshop on Prevention and Mitigation of Meteorological Disasters in Southeast Asia"

	2 (Mon)	3 (Tue)	4 (Wed)	5 (Thu)
morning	(11:00-)	Oral session	*Joint session	Oral session
(8:30-12:00)	Registration	(Jayakarta Hotel)	(Jayakarta Hotel)	(Jayakarta Hotel)
afternoon	Opening	*Joint session	Oral session and	Poster session
(13:30-17:00)	Oral session	(Jayakarta Hotel)	Tutorials	(Jayakarta Hotel)
	(Jayakarta Hotel)		(Jayakarta Hotel)	
evening	*Joint banquet			
(19:00-21:00)	(Jayakarta Hotel)			

^{*} Joint sessions and event

JSPS - the Asia-Africa Science Platform (AA-SP) Program

"Workshop on Ground-Based Atmosphere Observation Network in Equatorial Asia"

	2 (Mon)	3 (Tue)	4 (Wed)	5 (Thu)
morning		Poster session	*Joint session	
(8:30-12:00)	Opening session	Session 3	(Jayakarta Hotel)	
	(LAPAN auditorium)	(LAPAN auditorium)		
afternoon	Sessions 1 and 2	*Joint session		
(13:00-17:30)	(LAPAN auditorium)	(Jayakarta Hotel)		
evening	*Joint banquet			
(19:00-21:00)	(Jayakarta Hotel)			

^{*} Joint sessions and event