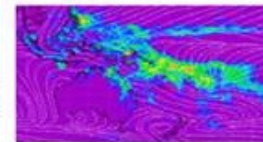




WGNE MJO Task Force



Workshop on Intraseasonal Processes and Prediction in the Maritime Continent

11-13 April 2016, Singapore

(NOTE: Agenda is subject to changes in scheduling.)

Day 1 (11 Apr 2016)

8:30-8:50 **REGISTRATION**

8:50-9:00 Maloney, Eric
Colorado State University

Welcome, credits, and logistics

9:00-9:10 Wong, Chin Ling
Director-General, Meteorological Service Singapore

Welcome from Meteorological Service Singapore and National Environment Agency

9:10-9:20 Maloney, Eric
Colorado State University

Science introduction

9:20-9:40 Rahmat, Raizan
Meteorological Service Singapore

Use of sub-seasonal prediction products in operational forecasting

Session 1: Interactions of the MJO in the MC Region with the Diurnal Cycle (MODERATORS: Eric Maloney and Matt Wheeler)

9:40-10:10 Lane, Todd (invited)
University of Melbourne

The diurnal cycle in the maritime continent: interactions between orography, coastlines, and the MJO

10:10-10:30 Peatman, Simon
University of Reading

Scale interaction between the MJO and the diurnal cycle of precipitation over the Maritime Continent

10:30-10:50 **BREAK**

10:50-11:10	Hagos, Samson <i>PNNL</i>	The interaction of diurnal cycle of convection and the propagation of MJO across the Maritime Continent
11:10-11:30	Yokoi, Satoru <i>JAMSTEC</i>	Modulation of diurnal cycle by Madden–Julian Oscillation observed during Pre-YMC2015 field campaign
11:30-12:00	DISCUSSION	
12:00-13:30	LUNCH	
<u>Session 2: Interactions of the MJO in the MC Region with Synoptic Variability, the Monsoons, and Interannual Variability</u> (MODERATOR: Yukari Takayabu)		
13:30-14:00	Chang, C.-P. (invited) <i>USNPGS/ National Taiwan University</i>	Interactions of the MJO in the MC region with synoptic variability
14:00-14:20	Koh, Tieh-Yong <i>SIM University</i>	MJO: a global tropical phenomenon with strong local relevance
14:20-14:40	Faqih, Ahkmad <i>CCROM-SEAP IPB</i>	Characteristic and predictability of intraseasonal rainfall in North Sumatra, Indonesia, under the influence of Boreal Summer Intraseasonal Oscillation (BSISO)
14:40-15:00	Kim, Daehyun <i>Columbia University</i>	Weakening of the MJO over the Maritime Continent
15:00-15:20	BREAK	
15:20-15:50	Chung-Hsiung Sui (invited) <i>National Taiwan University</i>	
15:50-16:10	Fauchereau, Nicolas <i>National Institute of Water & Atmospheric Research, New Zealand</i>	Extra-tropical impacts of the Madden-Julian Oscillation over New Zealand from a weather regime perspective
16:10-16:30	Li, Chongyin <i>Institute of Atmospheric Physics, Chinese Academy of Science</i>	The features of MJO over the Equatorial Western Pacific
16:30-17:30	ICE-BREAKER RECEPTION	

Day 2 (12 Apr 2016)**(MODERATORS: Frederic Vitart and Chidong Zhang)**

08:50-09:10	Yoden, Shigeo <i>Kyoto University</i>	Influence of QBO on MJO activities
09:10-09:30	Ling, Jian <i>LASG/IAP</i>	Evolution of Madden-Julian Oscillation in two types of El Niño
09:30-09:50	Wheeler, Matthew <i>Bureau of Meteorology, Australia</i>	Modulation of the MJO impact in northern Australia by ENSO
09:50-10:30	DISCUSSION	
10:30-12:00	BREAK & POSTER VIEWING	
12:00-13:30	LUNCH	

Session 3: Interactions of the MJO in the MC Region with the Ocean
(MODERATORS: Nick Klingaman and Duane Waliser)

13:30-14:00	Sprintall, Janet (invited) <i>Scripps IO</i>	Why the MJO cares about the ocean (and you should, too)!
14:00-14:20	Wang, Dongxiao <i>South China Sea Institute</i>	The oceanic influence on the northward propagation of intraseasonal oscillation in the South China Sea
14:20-14:40	Pullen, Julie <i>Stevens Institute of Technology</i>	Coupled air/sea modeling for multi-scale processes in the Maritime Continent
14:40-15:00	DeMott, Charlotte <i>Colorado State University</i>	To propagate or not propagate: atmospheric and oceanic characteristics of propagating and decaying MJO events
15:00-15:20	Syamsudin, Fadli <i>BPPT (Agency for Assessment & Application of Technology)</i>	Does MJO have relationship with Indian Ocean Kelvin Wave occurrences along the Southern Indonesian Archipelago
15:20-16:00	DISCUSSION	
16:00-17:30	BREAK & POSTER VIEWING	

Session 4: Interactions of the MJO in the MC Region with the Land
(MODERATORS: Tieh-Yong Koh and Tomoki Miyakawa)

08:50-09:20 Yamanaka, Manabu (invited)
JAMSTEC Tropical rainfall as functions of coastline distance and length

09:20-09:40 Hsu, Huang-Hsiung
Academia Sinica Topographic and land-sea effect of the Maritime Continent on the air-sea interacting MJO

09:40-10:00 **DISCUSSION**

10:00-10:20 **BREAK**

Session 5: Model Simulations of Subseasonal Variability in the MC Region
(MODERATOR: Ken Sperber)

10:20-10:50 Baranowski, Dariusz (invited)
UCLA/JPL Contemporary model fidelity over the Maritime Continent: Examination of the diurnal cycle, synoptic, intraseasonal and seasonal variability

10:50-11:20 Xavier, Prince (invited)
Met Office, UK An overview of convective scale modelling activities over Maritime Continent using the Met Office Unified Model

11:20-11:40 Chen, Sue
Naval Research Lab Interaction of CINDY/DYNAMO MJOs with Maritime Continent

11:40-12:00 Satoh, Masaki
University of Tokyo Boreal Summer Intraseasonal Oscillations and tropical cyclogenesis in the western North Pacific; ensemble simulations and predictability using NICAM

12:00-13:30 **LUNCH**

13:30-14:00 Permana, Donald Sukma
BMKG Identification of MJO signal on various elevation station rainfall in southern Papua, Indonesia

Session 6: Model Simulations of Subseasonal Variability in the MC Region
(MODERATORS: Steve Woolnough and Daehyun Kim)

14:00-14:30 Mani, Neena (invited)
IISER Pune Predictability of MJO initiation and Maritime Crossing

14:30-15:00 Hendon, Harry (invited)
Bureau of Meteorology, Australia Impact of QBO on MJO predictability: implications for YMC

15:00-15:20	Kim, Hyemi <i>Stony Brook University</i>	MJO propagation across the Maritime Continent in the ECMWF ensemble prediction system
15:20-15:40	BREAK	
15:40-16:00	Lefort, Thierry <i>Meteo-France</i>	Subjective verification of ECMWF EPS-Monthly Forecasting System over Indonesia
16:00-16:20	Hadi, Tri Wahyu <i>Institut Teknologi Bandung</i>	A spherical harmonics implementation of wavenumber – frequency spectral analyses as alternative tools for climate diagnostic
16:20-16:40	Vitart, Frederic <i>ECMWF</i>	The Sub-seasonal to Seasonal prediction (S2S) database
16:40-17:20	DISCUSSION	
17:20-17:30	WRAP-UP	

POSTER SESSION

Author	Title of Poster
<i>Sessions 1-3</i>	
Flatau, Maria <i>Naval Research Lab</i>	Interaction of the diurnal variability in the Maritime Continent with eastward propagating equatorial modes
Murtugudde, Raghu <i>University of Maryland</i>	SST anomalies over the central Indian Ocean and heavy precipitation during Indian summer monsoon
Sperber, Kenneth <i>PCMDI</i>	Intraseasonal variability and the annual cycle of rainfall
Swarinoto, Yunus <i>BMKG</i>	Connection of Madden-Julian Oscillation on heavy precipitation during Jakarta flood event
Teo, Chee-Kiat <i>Nanyang Technological University</i>	Diurnal cycle in the Maritime Continent
Vincent, Claire <i>University of Melbourne</i>	The composite mesoscale response to the MJO over the Maritime Continent
Wu, Peiming <i>JAMSTEC</i>	The characteristics of convection over Sumatra Island in an active phase of the MJO during the pre-YMC 2015 field campaign
Yu, Weidong <i>First Institute of Oceanography</i>	Can we better predict monsoon onset?
Wang, Shuguang <i>Columbia University</i>	Precipitation over tropical islands – effects of island topography, size and large-scale mean winds
Xin Wang	The possible modulation of Madden-Julian Oscillation on the formation and development of tropical depressions near the equator

Yoneyama, Kunio <i>JAMSTEC</i>	Early results from the pre-YMC campaign 2015 in Sumatra
Zhang, Chidong <i>University of Miami</i>	A hypothesis on the role of MJO-diurnal cycle interaction in the Barrier Effect on the MJO by the Maritime Continent
Takayabu, Yukari <i>University of Tokyo</i>	Environmental factors at the selection of MJO and large-scale moist Kelvin waves
Zhou, Wen <i>University of Hong Kong</i>	Modulation of Western North Pacific tropical cyclone activity by the ISO. Part I: Genesis and Intensity

Sessions 3-7:

Klingaman, Nicholas <i>University of Reading</i>	On the representation of the Madden-Julian oscillation in coupled models: air-sea feedbacks, model physics and ocean mean state
Maloney, Eric <i>Colorado State University</i>	Understanding MJO propagation through the MC with a coupled regional model
Miyakawa, Tomoki <i>University of Tokyo</i>	Current status of the ocean coupled NICAM (NICOCO)
Toh, Ying Ying <i>University of Reading</i>	Maritime Continent precipitation in CMIP5 model AMIP simulations
Waliser, Duane <i>JPL/Cal Tech</i>	Surface salinity and the Madden-Julian Oscillation: The role of salinity in surface layer density and potential energy
Ren, Hongli <i>Climate Studies of NCC</i>	MJO prediction in Beijing Climate Center: operational development and research

Sui, Dandan
South China Sea Institute

A discussion on interannual to decadal variations of latent heat exchange over the South China Sea

Ramdhani, Andri
BMKG

Effects of tropical cyclones and Madden-Julian Oscillation (MJO) on high wave occurrences in the inner Indonesian seas

Komori, Takuya
Japan Meteorological Agency

Prediction skill of MJO in moistening processes and its resolution dependence during DYNAMO

Nakazawa, Tetsuo
S2S ICO

MJO in the S2S Database