

September 30, 2008

**Tentative agenda of**  
**The 2<sup>nd</sup> Pan-WCRP Monsoon Workshop (PWM-2)**  
In conjunction with the WMO 4<sup>th</sup> International Workshop on Monsoons  
At the IAP/CAS and CMA, Beijing, China  
October 23 to 25, 2008

Based on the discussion at the Joint Scientific Committee (JSC) held in Arcachon, France in March/April 2008, the JSC monsoon oversight group (JSC-MOG) is going to organize the 2<sup>nd</sup> Pan-WCRP monsoon workshop. This workshop is basically open for any scientists who are interested in any aspect of monsoon studies for the global to regional scales. The background for this workshop is described in the appendix.

At the first Pan-WCRP Monsoon Workshop (PWM-1) held in Irvine, CA in June 2005, we pointed out some key issues for monsoon modeling and prediction for global to local scales. The follow-up discussions were also made at some CLIVAR and GEWEX-related meetings. In the PWM-2, we would like to focus on the two issues as follows:

- (1) understanding the role of the monsoons in the changing global climate system, in relation to phenomena such as energy & water cycles and floods & droughts, using various data and coupled ocean-atmosphere GCMs and RCMs.
- (2) predictions of seasonal march, intraseasonal variations and extreme events (of intraseasonal up to diurnal cycles) in the monsoon systems, using cloud resolving models (CRMs).

Item (1) includes what we should do further to understand roles of ocean-atmosphere, land-atmosphere and ocean-land-atmosphere interactions in monsoon regions on global and regional climate change and variabilities. The current issues in the coupled GCMs for monsoon modeling and prediction, as well as the global-scale data for these studies should be included.

Item (2) includes what we should do further to understand and predict cloud/precipitation systems embedded in the regional monsoon systems. The current status and performance of cloud resolving models (CRMs) including global CRMs (e.g., NICAM on the earth simulator) for these issues should be included.

Some key note addresses will be made from monsoon study groups under

WCRP and related projects, but we do expect some active discussions, including ad-hoc presentations from participants.

**A tentative agenda** is as follows:

Oct.23 (Thurs.)

14:40-18:00 : discussions relevant to the two issues

(1) monsoon and global climate

- Role of monsoons on global climate (C.R. Mechoso)
- Role of land surface processes (T.Yasunari)
- Role of ocean processes (Tim Li )
- Monsoon change under global warming (A. Kitoh)

(2) cloud/precipitation systems in monsoons

- Multi-scale interactions from diurnal to intraseasonal time-scales (Duane Waliser, K. Sperber?)
- status of NICAM for monsoon cloud/precipitation systems (M. Satoh)
- status of RCMs in regional monsoon modeling (Y Q Wang)
- observational network for cloud/precipitation systems (Yamanaka)

Oct.24 (Fri.)

10:25-12:25 : Common and cross-cut issues in CLIVAR, GEWEX and International Monsoon Studies (IMS)

- CLIVAR Asian/Australian Monsoon Panel (B.Wang)
- CLIVAR VAMOS (H. Berbery)
- GEWEX/ CEOP Monsoon (J. Matsumoto)
- GEWEX/ CEOP Aerosol-Monsoon (K.M. Lau)
- WMP/WGCM monsoon modeling (J. Shukla )
- WMO monsoon/tropical climatology (CP Chang)

13:30-15:40 :

(1) Commentary talks relevant to regional monsoons and their relation to global climate

Jin Huang: (CPPA)

K.M.Lau & YK Xue: WAMME (West African monsoon modeling and evaluation project)

H.H. Hsu (TNU): East Asian monsoon

Dave Gochis :(North American Monsoon Experiment)

Tianjun ZHOU : "Interannual variability of Asian-Australian monsoon simulated by AMIP models".

(2) multi-scale interactions

Dr. Matthew C. Wheeler(CAWCR) intraseasonal variability and cloud systems

Brian Mapes: convective systems and global CRM

16:00-18:00 :

General discussion

Oct.25 (Sat.)

8:30-12:00 : plenary discussion & future plan

(Chairs: G.X.Wu and T.Yasunari)

IMS near-term action plan (2008-2010) should be discussed.

Notice:

- Those who already have been nominated as speakers in this tentative agenda, please let me know whether it is acceptable or no. If you have any other suggestions or comments, please let me know at your earliest convenience.

With best regards

Tetsuzo Yasunari

PWM-2 organizer

JSC Monsoon Oversight Group, WCRP

e-mail: [yasunari@hyarc.nagoya-u.ac.jp](mailto:yasunari@hyarc.nagoya-u.ac.jp)

tel: +81-52-789-3465 or 5926

fax:+81-52-789-3436