

Minutes of teleconference on 11<sup>th</sup> December 2009 (~9:30-11:15am Melbourne time)

Meeting to discuss plans for the joint AAMP/MJO Task Force workshop in 2010 on modelling and predicting monsoon intraseasonal variability.

Participants:

Harry Hendon (AAMP co-chair)  
Ken Sperber (AAMP co-chair)  
Duane Waliser (MJO TF co-chair)  
Matthew Wheeler (MJO TF co-chair)

Background:

The CLIVAR AAMP and the YOTC MJO Task Force are planning to conduct a workshop on modelling and predicting monsoon intraseasonal variability. It is planned that this workshop will be held jointly with meetings of the AAMP and the MJO TF during June 2010 at the APEC Climate Center in Busan, Korea. The MJO TF meeting will be the first face-to-face meeting of the TF.

Minutes:

Telecon agenda items set as: (1) Scope of workshop (2) Date of workshop/meeting (3) Invitee list

(1) Scope of workshop (including interaction with AMY)

HH suggested that the scope and agenda of the workshop needed further work. All agreed. It was decided that a ~1-page summary of workshop proposal be generated and sent with the initial round of invitations. (See appendix A).

Agenda of AAMP meeting is already well defined, but for the MJO TF meeting will be refined after the initial teleconferences of the TF.

E-mail communications have been made with Bin Wang regarding the input of AMY modellers to the workshop, but further input is sought. HH will e-mail Akio Kitoh and Jun Matsumoto for further input. Depending upon the response, the agenda and scope may be altered to include an AMY regional modelling focus.

All agreed the format of the workshop should be a small set of invited talks and with the majority of scientific presentation being with the use of posters.

(2) Date of workshop/meetings

Initial agreement was made on the dates of 15-19<sup>th</sup> June for the workshop and meetings. However, we have since learned that Dave Randall of CSU is holding a high resolution cloud modelling workshop in the same week in Fort Collins. Later in the summer was thought to be problematic due to AGU WP Geophysics meeting and other reasons. HH to contact Woo-Jin Lee at APCC (and Carlos) to ask about moving

the dates forward by one week. We also need to enquire about the ability to display a large number of posters at the APCC venue (HH to do).

Everyone was happy with holding the workshop before the AAMP and TF meetings.

### (3) Invitee list

The majority of the telecom was spent going through the preliminary invitee list. As a result, a revised list of attendees has been prepared. This list is sorted according to the combination of workshop/meetings to which each of the invitees will be invited. All AAMP and MJO TF members are included. Other invitees were considered based on their recent work on the topics of interest, their ability to enable further work to be done in the area (e.g. their access to students), their active participation in past meetings, and whether their interests/institutions were already well represented in the invitee list.

As well as the e-mails to AMY contacts, further input is being sought through e-mails to the following:

DW to e-mail Goswami regarding suitable Indian invitees.

HH to enquire about the representation of the Indian Ocean Panel.

HH to ask Kitoh about JMA representatives.

## **Appendix A – Workshop Proposal Summary**

### **Monsoon Intraseasonal Variability Modelling Workshop**

The CLIVAR AAMP and the YOTC MJO Task Force will hold a workshop xx-xx June 2010 at the APCC in Busan, Korea. The APCC is kindly hosting the workshop. The focus of the workshop is on modelling and predicting monsoon intraseasonal variability. This cross-cutting activity will provide a framework for assessing historical MJO and other monsoon ISV predictability from hindcast experiments, assessing skill of real-time forecasts for monsoon ISV, and report on recent advancements for simulation of monsoon ISV and the MJO, including results from high resolution global models.

Monsoon variability is dominated by ISV. Accurate prediction of monsoonal features such as onset, duration, and spell-characteristics that manifest themselves in ISV potentially have wide application in agriculture, water resource management, disease control, etc. However, simulation, much less prediction, of monsoon ISV remains a challenge. Simulation and prediction of monsoon ISV is a focus for a number of WWRP and WCRP panels and activities, including WGNE, WGSIP, AAMP, AMY, and the YOTC MJO Task Force.

This modelling workshop will:

- a) Provide an up-to-date assessment of the current capability to predict and simulate monsoon ISV
- b) Provide insight into the problems and issues that need to be addressed to move modelling capability forward
- c) Promote development and application of new diagnostics that provide insight into the physics essential for simulation of the MJO and other monsoon ISV in models
- d) Provide a priority assessment for future research needs based on a – c above
- e) Attempt to match the current predictive capabilities with prediction needs of e.g. the agricultural and water resources sectors

Specific objectives and key agenda items are:

- 1) Assess the ability and utility of operational predictions of monsoon ISV at lead times to 1 month
- 2) Assess current capability to simulate Monsoon ISV and MJO with global climate models and high resolution global and regional models, including the status of the “Hindcast Experiment for Intraseasonal Prediction”
- 3) Assess current state of knowledge of mechanisms and dynamics of monsoon ISV
- 4) Identify key deficiencies that need to be addressed to advance our ability to simulate and predict monsoon ISV
- 5) Assess new diagnostics of monsoon ISV that can provide insight into model performance and shortcomings

The format of the meeting will be a limited number of thematic overview talks, poster sessions where the bulk of the scientific presentations are made, and then followed by plenary discussion sessions.

The AAMP and MJO Task Force plan to convene their own meetings directly following the workshop.