

AAMP13 Development of WCRP Monsoon Panel

- Historical Perspective
 - Need for improved coordination of monsoon research in WCRP
 - Past efforts to get GEWEX and CORDEX members on AAMP failed
 - Pan-WCRP Monsoon Advisory Panel proposal
 - SSG-20 and JSC response
- Development of Monsoons Panel
 - Input on proposed Terms of Reference and membership make-up (relevant CLIVAR/GEWEX/WWRP Monsoon Panels) *needs to be forwarded to Lisa Goddard and Valery ASAP for Monday's GEWEX SSG meeting*
 - Anticipate having a panel seated by July 2014, in time for the GEWEX/CLIVAR joint meeting at The Hague
 - Longer term: How to set up working groups under the Monsoons Panel?
- AAMP: operate through 2015, then transition into a working group

Monsoons Panel (MP)



Suggested MP Terms of Reference: (from 16th VAMOS Panel Meeting, Lima, Peru)

1. Evolve a strategy to assess the status of climate variability and current levels of predictive skill of the coupled ocean-atmosphere-land system in the global monsoon regions;
2. Design and implement a programme to investigate the interactions between large-scale/low-frequency modes of variability and the past/present/future monsoons;
3. Determine a monitoring strategy for the tropical and subtropical oceans and surrounding marginal seas and land regions necessary for investigating the structure and variability of the regional monsoons system;
4. Develop and implement plans for monsoon research that recognise the need for a well coordinated programme for the collection and provision of observational and monitoring data sets;
5. Oversee development and implementation of plans for an optimised set of process studies in the Asian-Australian, American, and African monsoon regions;

Monsoons Panel



Suggested MP Terms of Reference: (from 16th VAMOS Panel Meeting, Lima, Peru)

6. Coordinate and advise the Pan-WCRP numerical experimentation groups (**WGCM and WGSIP?**) on modelling priorities for advancing monsoon research; **Note: CMIP6 planning is getting underway**
7. Coordinate and promote interactions among atmospheric scientists, oceanographers and hydrologists from interested nations in monsoon science activities; (VAMOS raised the question of whether this term is actually necessary?); **Combine/covered in 8?**
8. Work in cooperation with other existing and planned regional and multinational programs directed at improving our understanding of the monsoon systems, as those programs relate to improving regional weather forecasts and seasonal climate predictions, and reducing adverse societal impacts; **Do we want to get in the business of impacts?**
9. Coordinate the formation and function of regional working groups and to advise WCRP on the development of mechanisms of support for meetings of the regional working groups

Monsoons Panel



Suggested MP Terms of Reference: (from 16th VAMOS Panel Meeting, Lima, Peru)

10. Encourage studies explicitly addressing, **convection**, land, and aerosol ~~impacts issues on monsoon~~ processes relevant to the monsoons ~~to facilitate better interaction with the GEWEX community~~; **Relevant GEWEX membership on the MP is essential**
11. To promote and sponsor international workshops that aim to assess progress and identify research needs;
12. To coordinate and develop the CLIVAR Research Challenges and the GEWEX Grand Challenges that have monsoon foci in order to effectively support the WCRP Grand Challenges

Asian-Australian Monsoon Panel

Pan-WCRP Monsoon Advisory Panel: Proposed Membership

- **Members of the panel will be appointed for a 3-year term with the possibility of two 2-year extensions.**
- **Two co-chairs will lead the PMAP, one each from CLIVAR and GEWEX. The JSC will select the co-chairs from a short list of candidates prepared by consensus from the relevant CLIVAR and GEWEX panels, respectively. Co-Chairs will have a rotating position with a 2-year term, with the possibility of one 2-year extension. For continuity purposes both co-chairs will not rotate simultaneously.**
- **The other members of the PMAP should at least include:**
 - **A co-chair from each of AAMP, ACP, and VAMOS**
 - AAMP: T. Zhou**
 - ACP: F. Semazzi or R. Washington**
 - VAMOS: D. Gochis**



Asian-Australian Monsoon Panel

Pan-WCRP Monsoon Advisory Panel: Proposed Membership

- **GEWEX**

AMMA: T. Lebel

AMY:

GLACE: P. Dirmeyer

Local Coupled Land-Atmospheric Modelling (LoCo): C. Taylor

MAHASRI: J. Matsumoto

- **Representatives from WGSIP and WGCM**

WGCM: J. Meehl

WGSIP: A. Scaife

Other Experts

C.-P. Chang (WWRP Monsoon Panel)

R. Krishnan (India)

A. Moise (Australia)

B. Wang (Indian/EASM)

Yongkang Xue (UCLA, land-atmosphere interactions)

W. Yu (IOP)

