**14th Session of the CLIVAR-VAMOS Panel**

**List of Actions**

*Joint Interactions with the CLIVAR Atlantic Implementation Panel*

1. Propose a Task Team on Atlantic Tropical Biases to CLIVAR SSG, AIP interacting with VAMOS, write up a review clarifying hypotheses on the different causes which can lead to the equatorial westerly wind bias in the western Atlantic (P. Zuidema and L. Terray)

*VAMOS Modeling WG*

1. Survey on the ‘VAMOS-modeling’ community, along with other relevant researchers and model developers, to assess current perceptions and needs for future modeling activities for VAMOS (B. Kirtman)
2. Organize an “International Modeling workshop in the American Monsoon Systems”, to review the status of the science and research in sub-seasonal to multi-decadal prediction and even climate change in the VAMOS domain, date and venue TBD (B. KIrtman, C. Ereño)

*VAMOS Extremes WG*

1. Continue updating the Atlas of Extremes for the Americas (<http://gmao.gsfc.nasa.gov/research/subseasonal/atlas/Extremes.html>), adding new observations, extremes parameters, continue evaluation/validation (S. Schubert, I. Cavalcanti)
2. Development of a drought catalogue, with indication of case studies and development of a Drought Early Warning System-DEWS (S. Schubert, I. Cavalcanti)

*Intra-America Study of Climate Processes (IASCLiP)*

1. Contribute to enhancing the real time observing system in the IASCLiP region in support of operational modeling and climate monitoring (A. Douglas and IASCLiP SWG)
2. Encourage the use of the emerging datasets, as the New NSF COCO net GPS PW Sites (planned for the Caribbean) in support of VAMOS analysis and modeling activities (D. Gochis, A. Douglas)
3. Encourage efforts to improve prediction of: a. TC frequency and intensity, from intraseasonal to inter decadal time scales, including efforts to forecast landfall potential. b. Regional flood events that frequently impact the U.S. c. Regional droughts that frequently spread into the U.S. (A. Douglas, D. Gochis)

*Monsoon Experiment South America (MESA)*

1. Develop of an updated strategy or plan for research into the S. American Monsoon which includes:
2. Update of the S. American monsoon research plan (formerly referred to as the ‘MESA’ plan) stressing an emphasis in improving understanding and predictions of seasonal to inter-decadal variability. This new plan would attempt to address the new set of CLIVAR imperatives (I. Cavalcanti and MESA SWG)
3. Discuss the possibility of formulating a monsoon monitoring and/or a forecast forum activity with operational centers in S. America (I. Cavalcanti and MESA SWG)
4. Consider the development of a ‘network’ of S. American monsoon scientists, to broaden the participation and coordination of VAMOS-type research and prediction activities in S. America (I. Cavalcanti and MESA SWG)

*North American Monsoon Experiment (NAME)*

1. Continue promoting/participating in Forecast Forums for the North American Monsoon and the IASCLiP regions (D. Gochis and A. Douglas)

*VAMOS Ocean-Cloud-Atmosphere-Land Study (VOCALS)*

1. Encourage the looking at potential larger scale interactions and impacts as a result of the progress made in VOCALS research; include the upscale impacts and potential monsoon linkages (P. Zuidema, R. Wood, and VOCALS WG).
2. Consider keeping formal interactions with the VAMOS community through additional meetings or online activities to address the full suite of science questions that motivated the VOCALS program (P. Zuidema, R. Wood, and VOCALS WG).

*VAMOS Anthropogenic Climate Change WG and COordinated Regional climate Downscaling EXperiment (CORDEX)*

1. Encourage VAMOS panel members and WGs to link to and make use of the CORDEX effort at the large western hemisphere domains (N. America, S. America, and Central America/Caribbean) for modeling experiments (R. Arrit)
2. Reshape and promote member rotation of the ACC working group, formulating a new plan or scoping activity by next year’s panel meeting (R. Arrit and ACC WG)

*Links with new emerging programs*

1. Evaluate possible links of the emerging Terrestrial Regional North American Hydroclimate Experiment (TRACE) with ongoing VAMOS activities in N. America (H. Berbery)

*New VAMOS Science Priorities*

1. Explore and provide ideas on new goals for the VAMOS panel under the new structure of CLIVAR after 2013, including moving from CLIVAR to WCRP or GEWEX (H. Berbery, D. Gochis, all panel members, and C. Ereno helping to coordinate a consolidated view)

*VAMOS panel terms of reference*

1. Review of the VAMOS TOR in order to focus more on topical science issues(H. Berbery, D. Gochis)

*The WCP Open Science Conference*

1. Encourage VAMOS panel members and related scientists to participate in the OSC and submit posters to the VAMOS cluster highlighting the progress in American Monsoon research (H. Berbery, D. Gochis, and C. Ereno)

*VAMOS Newsletter C. Ereno*

1. Propose the structure of next VAMOS newsletter to be published around April 2012 as a supplement of CLIVAR Exchanges as follows: 1) an update on IASCLiP by Art Douglas, 2) a description of Carribbean regional modeling activities by Michael Taylor, 3) a description of GPS networks within the VAMOS domains by Dave Gochis and other members 4) an article on approaches and experiences in assessing climate vulnerability and adaptation by Walter Baethgen and 5) a summary of the results of the VAMOS modeling survey and potential impacts on VAMOS plans. (C. Ereno)

*Next VAMOS panel meeting*

1. Organize next panel meeting (VPM15) to be held in conjunction with a VAMOS Modeling Workshop at the Laboratorio Nacional de Computação Cientifica (LNCC) in Petropolis, Brazil, around April 2012 (H. Berbery, D. Gochis, C. Ereno, and B. Kirtman chairing the workshop)