

Actions and Recommendations from VPM13

VAMOS Extremes WG

1. Expand the analysis of extremes including more information of the North American region and time scales (I. Cavalcanti and S. Schubert)
2. Develop an ATLAS of extremes over the Americas (I. Cavalcanti and S. Schubert to lead and VAMOS WG on Extremes)
3. Interact with ETCCDI to apply softwares and indices prepared in that project as well as with CLARIS-LPB which has been developing studies on extremes over La Plata Basin, in South America (I. Cavalcanti and S. Schubert to lead and VAMOS WG on Extremes)
4. Evaluate the existing and planned simulations, including the new results from CMIP5 IPCC/AR5, regional model results from CLARIS-LPB, seasonal hindcasts, ultra-high resolution (10-20km) global climate model simulations (I. Cavalcanti and S. Schubert to lead and VAMOS WG on Extremes)
5. Obtain support for the activities of Siegfried Schubert through the VAMOS Project Office (J. Meitin)

VAMOS ACC Working Group

6. Reshape and enhance the working group, Tereza continuing as WG chair, rebuilding the group and structure, and including other experts on climate change in the Americas (T. Cavazos and VAMOS co-chairs)
7. Rewrite the VAMOS Anthropogenic Climate Change (ACC) in the Americas white paper, updating information to serve as a synthesis report for IPCC AR5 (T. Cavazos and VAMOS extreme WG)

VOCALS/AIP Tropical Atlantic Biases Workshop

8. Review the future activities for VOCALS, including the analysis of VOCALS datasets and monitoring of the region to obtain longer time series (Mechoso, R. Wood, and VOCALS WG).
9. Endorse and develop a proposal for a two-day AIP/VOCALS workshop on “Tropical Atlantic Coupled Ocean-Atmosphere-Land Processes”, as appended to the VOCALS meeting in March 2011 (P. Zuidema with R. Mechoso, and AIP co-chairs L. Terray and P. Brand)

Next VAMOS panel meeting

10. VAMOS to have next panel meeting immediately after the VOCALS/AIP Workshop in Miami, and encourage the AIP to have their panel meeting simultaneously (Co-chairs and C. Ereno to negotiate and arrange details)

NAME

11. Prepare a comprehensive review article to provide a thorough overview of progress in NAM research that has been achieved over the last 10 years, and identifying 4-5 main research threads that have led to significant improvements in understanding the structure and function of the NAM system. (D. Gochis and NAM community).
12. Prepare a white paper outlining the new research priorities that have emerged from the NAME review article, seek to move NAM research forward, towards the ultimate goals of improved process understanding and improved prediction of the NAM on intra-seasonal to inter-annual timescales (D. Gochis and others in the NAM community)

MESA

13. Review the objectives, structure and future of MESA, in terms of the research objectives and interest of WCRP, consider the need to enlarge the community of scientists involved in SAMS research, not just for field work and modeling communities, but also the community working on applications, and climate change impacts and adaptation (J.Marengo and MESA SWG)
14. Consider the possibility of preparing a white paper outlining the research priorities that have emerged from the MESA (J.Marengo and MESA SWG)

VAMOS-LPB

15. Provide I. Cavalcanti and P. Salio with information on previous drafts for an LPB field campaign to they take the initiative and explore whether LPB would have a field campaign (H. Berbery)
16. Provide the Paola Saliowith information from on the use of Brazilian radars, considering Luiz Augusto Experiment (I. Cavalcanti)

Outreach, Capacity Building and Education in VAMOS

17. Develop initial ideas on some plan on the capacity building efforts in VAMOS, which endorse ongoing activities, and circulate to the panel (L. Goddard and C. Ereno, H. Berbery will contribute with some results/experiences from the IAI/LPB Summer School)

WCRP and ICPO plans

18. Initiate an email discussion on the total WCRP effort on monsoons and continued need for overall coordination (co-chairs & panel members)
19. Circulate ideas on how the panel might contribute to the WCRP Open Science Conference (C. Ereno to gather inputs)

YOTC MJO Task Force

20. Develop interactions with YOTC MJO Task Force to get synergy with VAMOS on applications of MJO TF forecast products, targeted assessment of forecast skill of MJO impact, and IASCLIP forecast forum plus the MJO Task Force forecast (C. Ereno and H. Berbery will contact DuaneWaliser to identify a person to serve as link VAMOS-YOTC MJO TF)

Next issue of the VAMOS newsletter

21. Propose the Future Activities in VAMOS as main theme for the next VAMOS! Newsletter, with the following suggested articles: New priorities in NAM research, Model Biases in the Atlantic, Capacity building / Transfer of science to users, and Ecosystem Functional Types in Regional Modeling (C. Ereno coordinate with co-chairs)

Actions and Recommendations from the Joint VAMOS/WGSIP 2010

22. Make a survey within the VAMOS community to identify science and research activities that are being carried out according to the modeling plan, and use this information to modify the modeling plan if needed. (C. Saulo and B. Kirtman)