

## **CAMPANA Task Force**

**Climate of the Americas, Monitoring, Prediction, ANalysis and Applications**

**Clima de las Américas, Monitoreo, Predicción, ANálisis y Aplicaciones**

### **Terms of Reference**

1. Evaluate the actions and recommendations arising from the WCRP LAC Conference, Montevideo March 2014, to implement a framework to articulate a climate science research agenda to support the implementation of regional climate services
2. Promote interactions among atmospheric and oceanic scientists, hydrologists, social scientists, and services providers from interested nations in the development of climate services in the region;
3. Work closely and coordinate with national meteorological services and/or agencies responsible of climate services for each country.
4. Develop a scientific agenda aimed at an improved understanding, simulation, and prediction of the climate of the Americas, its monitoring, and applications. The emphasis will be on enhanced monitoring and prediction, and on the benefits of climate services for the communities at large.
5. Encourage development and oversee implementation of plans for studies on climate variability and change in the LACC regions;
6. Coordinate research to combine available seasonal to sub-seasonal global forecasts with downscaling and other mathematical techniques to enhance their adequacy for diverse applications in LAC at local and regional scales;
7. Design and implement a means to improve the understanding of climate drivers in LAC, with emphasis on those that could increase current levels of predictability from subseasonal to decadal time scale;
8. Enhance activities leading to the dissemination of existing climate products and to training on their correct application and limitations by the impacts community and participate in the relevant training activities;
9. Work in cooperation with regional and multinational programs directed at cross-cut activities such as WCRP/CLIVAR/GEWEX modeling WGs, CLIVAR/GEWEX Monsoons Panel, WCRP WG on Regional Climate, WCRP CORDEX, Future Earth, UNEP-PROVIA, IAI, ICSU-ROLAC;
10. Assess the benefits of new observational sites (super sites) particularly from continental scale to air quality applications under a coordinated framework;

11. Explore possibilities to establish programs for training and support of a cadre of scientists, professionals and entrepreneurs able to develop multidisciplinary framework;
12. Advice to the CLIVAR and GEWEX Scientific Steering Groups on whether a Regional Panel or Working Group for LACC should be established to coordinate WCRP activities in the region. Report to the CLIVAR and GEWEX SSGs on an annual or more frequent basis, as appropriate.

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#### **Proposed membership**

Members of the Task Force (TF) will be appointed for a 2/3-year term.

Two co-chairs will lead the TF – suggested below

**Eric Alfaro** (U Costa Rica, *Climate variability, Climate Change, Physical Oceanography, Downscaling, and Statistical Downscaling*)

**Walter Baethgen** (IRI, USA, *Information and Decision Support Systems for the Agricultural Sector, VAMOS panel member*)

**Julian Baez** (DINAC, Paraguay, *Director Met Office*)

**Marcelo Barreiro** (UDELaR, Uruguay, *atmospheric and ocean modeling, climate variability and climate change, VAMOS panel member*)

**John Charlery** (UWI at Cave Hill, Barbados, *dynamics of the earth's atmosphere and its responses to the natural and anthropogenic triggers, former Deputy Director of Barbados Meteorological Services*)

**Caio Coelho** (CPTEC/INPE, Brazil, *statistical analysis of climate variations, South American seasonal forecast*)

**Paco Doblas Reyes** (UCM, Spain, *seasonal predictability, high resolution climate simulation, land surface processes and climate response*)

**Rene Garreaud** (Univ.Chile, *climate dynamics and coastal meteorology, GEWEX SSG member*)

**Roberto Mechoso** (UCLA, USA, *ocean-atmosphere interactions, numerical weather prediction, meteorology and climatology of the Southern Hemisphere, and high performance computing, former VAMOS panel chair*) – **Co-Chair**

**German Poveda** (Univ Nac de Colombia, *diagnostics, modelling and prediction studies of hydro-climatic variability and climate change in tropical South America, effects on human health, water resources, hydrological extremes, agriculture, and hydropower generation*)

**Paola Salio** (UBA, Argentina, *mesoscale meteorology, deep moist convection, severe convective events, convection modeling, involved in WWRP High Impact Weather Project, VAMOS panel member*)

**Sandro Schwindlein** (Fed Univ of Santa Catarina, Brazil, *dynamics of land use change and the evaluation of the quality of land use, adaptation to climate change*)

**Ken Takahashi** (IGP, Peru, *climate modeling, convective processes, atmospheric and ocean circulation, air-sea interaction*)

**Gabe Vecchi** (NOAA/GFDL, USA, *Experimental long-lead seasonal predictions of North Atlantic hurricane activity*)

**Fernanda Zermoglio** (Global Climate Adaptation Partnership, Chile,  
*development and deployment of pragmatic tools that will aid decision-makers in  
evaluating the impacts of climate change on vulnerable systems*) – **Co-Chair**