

The WCRP Conference for Latin America and the Caribbean: Developing, linking, and applying climate knowledge



Venue: LATU – Laboratorio Tecnológico del Uruguay, Carrasco
Montevideo, Uruguay on 17-21 March, 2014

<http://www.cima.fcen.uba.ar/WCRP/>

The conference was organized under the auspices of the World Climate Research Programme (WCRP), with support from the Inter-American Development Bank (IDB), the Inter-American Institute for Global Change Research (IAI), and a number of regional and local organizations

Co-chairs of SSC: Celeste Saulo and Walter Baethgen



About 220 scientists coming from 19 countries of the Americas and around the world attended the Conference

They discussed strategies and provided suggestions on translating climate information knowledge to areas such as health, water, energy, agriculture, ecosystems and urban and coastal environments

Main outcomes of the Conference were highlighted through a set of position papers and a summary of outcomes and recommendations

Position Papers

- Climate Services *by Roger Pulwarty*
- Human Health *by Kristie L. Ebi*
- Water Management in a Changing Climate *by Soroosh Sorooshian and Nasrin Nasrollahi*
- Agriculture and Natural Ecosystems *by Walter E. Baethgen*
- Coastal environments *by Claudia Simionato, Rodney Martinez and Eric Alfaro*
- Climate Monitoring and Prediction *by C. Roberto Mechoso*

See JSC Background documents 8 (also CAMPANA ToR and proposed members)

Summary of outcomes and recommendations

Needs and challenges	Actions
Better understanding of climate drivers in LAC, with emphasis on those that could increase current levels of predictability from subseasonal to decadal time scales	12
Improve understanding and assess predictability of climate extreme events	4
Better monitoring climate – including extreme events – and climate drivers and access to climate information	5
Define Coastal-Climate Services	2
Better synergy between WCRP global initiatives and regional activities	2
Develop knowledge networks adequate for co-exploration and co-production	5



Climate of the **A**mericas,
Monitoring, **P**rediction, **A**nalysis
and **A**pplications

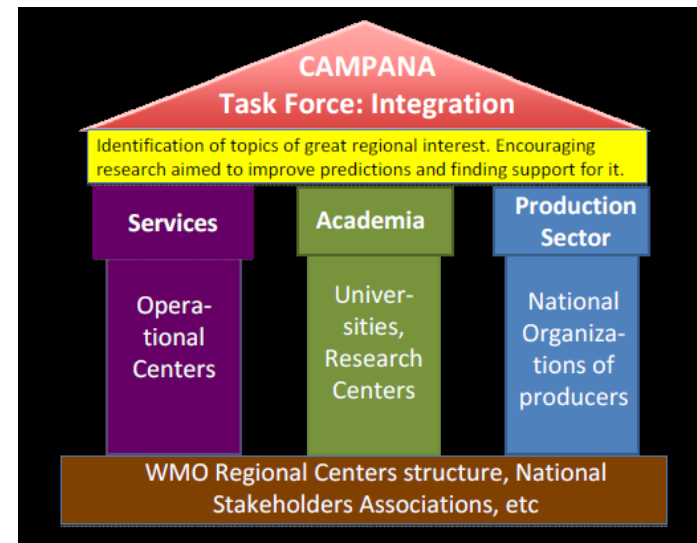
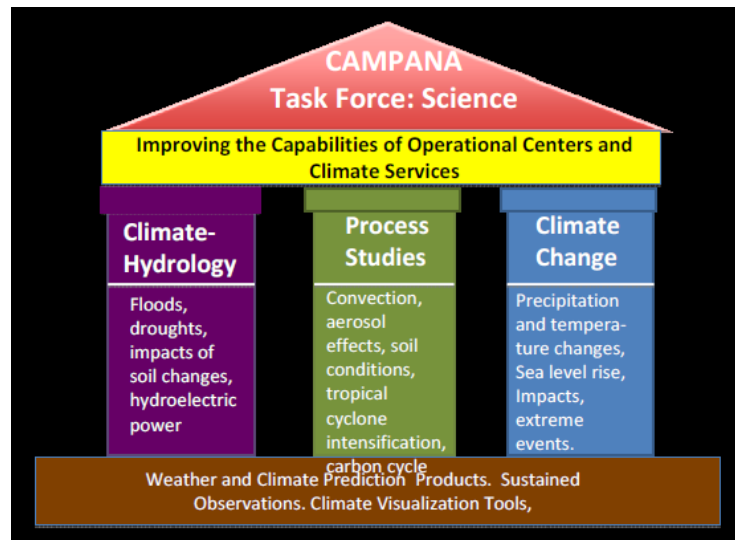
CAMPANA: A WCRP Task Force

Proposal to JSC

**Motivation
TORs
Membership**

VAMOS and CAMPANA

- CAMPANA extends VAMOS in two important ways:
 - An updated science agenda, with major emphasis on monitoring and prediction, and
 - The incorporation of application and social scientists as equal partners with natural scientist in order to provide effective climate services.



TORs (1)

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.

TORs (2)

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;

TORs (3)

- 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.**

Proposed membership

Two co-chairs will lead the TF – suggested below

- **Eric Alfaro** (U Costa Rica,)
- **Walter Baethgen** (IRI, USA & VAMOS)
- **Julian Baez** (DINAC, Paraguay, *Director Met Office*)
- **Marcelo Barreiro** (UDELaR, Uruguay & VAMOS)
- **John Charlery** (UWI at Cave Hill, Barbados)
- **Caio Coelho** (CPTEC/INPE, Brazil)
- **Paco Doblas Reyes** (UCM, Spain & WGSIP)
- **Rene Garreaud** (Univ.Chile, *GEWEX SSG member*)
- **Roberto Mechoso** (UCLA, USA & ex VAMOS panel chair) – **proposed Co-Chair**
- **German Poveda** (Univ Nac de Colombia)
- **Paola Salio** (UBA, Argentina & VAMOS)
- **Sandro Schwindlein** (Fed Univ of Santa Catarina, Brazil)
- **Ken Takahashi** (IGP, Peru)
- **Gabe Vecchi** (NOAA/GFDL, USA)
- **Fernanda Zermoglio** (Global Climate Adaptation Partnership, Chile & WGRC) – **proposed Co-Chair**