

CLIMAX-WP2 Workshop

Brasilia, 6 December 2017

Meeting purpose: To promote the interaction among the research groups within CLIMAX-WP2 regarding investigations about regional climate variability and predictability and development of climate products and tools.

Meeting organizers: Iracema Cavalcanti and Caio Coelho (CPTEC/INPE, Brazil),
Carolina Vera (CIMA-UMI/IFAECI/CNRS, Argentina-France).

Agenda

(Presentations of 15 minutes + 5 minutes of Questions)

Morning Session:

Session 1: Understanding of regional climate variability and predictability (from subseasonal to decadal timescales)

9:00-9:20 MJO modulating the leading mode of intraseasonal variability in South America (Alvarez, Vera)

9:20-9:40 Floods in Argentina: identification of daily rainfall thresholds and their relationship with intraseasonal variability (Robledo)

9:40-10:00 Activity of the Southern Annular Mode during 2015-2016 El Niño event and its impact on Southern Hemisphere climate anomalies (Osman, Vera)

10:00-10:20 Co-variability between SESA rainfall anomalies and tropical SST anomalies from observations and CMIP5 decadal predictions (Diaz)

10:20-10:50 Coffee Break

10:50-11:10 Representation of large-scale features in model hindcasts of subseasonal timescale in South America (Iracema)

11:10-11:30 Precipitation variability over South America associated with SST anomalies in South Pacific Ocean (Renata)

11:30-11:50 Intraseasonal Multivariate Rainfall index applied to South America using S2S Models (Naurinete)

11:50-12:10 AGCM model experiments - the role of the soil humidity (Virginia)

Session 2: Development of climate monitoring and prediction tools on subseasonal timescales

12:10-12:30 Characteristics of the web portal CLIMAR of climate products on subseasonal timescales (Vera, Ortiz de Zárate, Rolla)

12:30-12:50 Calibration of weekly precipitation predictions from CFSv2 and GEFSv2 reforecasts over southern South America (Rolla, Osman)

12:50-13:10 Exploring the feasibility of empirical, dynamical and combined probabilistic rainy season onset forecasts for São Paulo, Brazil (Coelho, Firpo, Maia)

13:10 - 14:30 Lunch Break

Afternoon Session:

Session 2: Development of climate monitoring and prediction tools on subseasonal timescales (Continuation)

14:30-14:50 Global precipitation forecast skill assessment of Subseasonal to Seasonal (S2S) prediction project models (Marques, Coelho)

14:50-15:10 Sub-seasonal forecast verification over South America (Firpo, Coelho)

15:10-15:30 Sub-seasonal dry spell forecast verification (Rodrigues, Coelho)

15:30-15:50 Calibration of seasonal predictions from CHFP and NMME over southern South America (Osman)

15:50-16:10 Seasonal climate forecasting: a probabilistic approach for predictors selection (Maia)

16:10-16:40 Coffee Break

Session 3: Development of climate monitoring and prediction tools on seasonal timescales.

16:40-17:00 Information of data and relevant references (Marley)

17:00-18:00 General Discussion

18:00 Meeting Adjourn