

International Workshop on
ENSO, Decadal Variability and Climate Change in South America
'Trends, Teleconnections and Potential Impacts'
Guayaquil, Ecuador October 12th – 14th of 2010

2nd Announcement and call for papers

Rationale

The El Niño-Southern Oscillation (ENSO) has a profound influence on South American climate. For example, during an El Niño rainfall tends to increase over Ecuador and decrease over Colombia. However, the El Niño events that occurred during 2002-2003 and 2006-2007 were different. They did not result in impacts that might have been expected based on our past experiences. The reasons for the differences seen in South America and in other parts of the world are not fully understood, but are the subject of intense research in many countries. This research includes studies examining naturally occurring decadal variability in ENSO and ENSO impacts, differences in the details of sea-surface temperature patterns between El Niño events, and the influence of global warming on ENSO and on the way ENSO affects global weather patterns. It is hoped that this research will lead to more useful information for decision-making in the wider community. This workshop will bring climate experts from around the world to discuss this research and its relevance to South American climate.

1. Objectives

- a) To review the latest scientific advances on ENSO, decadal variability and Climate Change in South America.
- b) To review the projected trends and changes in ENSO teleconnections in South America.
- c) To discuss on the potential climate impacts for the next 10-15 years and their social and economical implications in South America

2. Organization of the workshop

The Workshop will be held from October 12th -14th and will be followed by the VI Session of the CLIVAR Pacific Panel from October 15th to 16th. The following thematic sessions will be developed:

- a) The Global Science of ENSO, decadal variability and climate change interactions, including recent advances in understanding differences between El Niño events.
- b) Current climate trends, teleconnections and impacts over South America.
- c) The future of South America in a warmer world: climate dynamics, impacts and prediction.
- d) Impacts of ENSO on biogeochemistry and ecosystems

3. Thematic sessions

Tuesday 12th October

Session I: ENSO dynamics, predictability, decadal modulation, and the influence of global climate change

Keynote Speaker: Matt Collins (University of Exeter, UK)

Wednesday 13th October

Session II: ENSO impacts, modeling and forecasting in South America

Keynote Speakers: Marcelo Barreiro (Universidad de la Republic, Uruguay) and Tercio Ambrizzi (University of Sao Paulo, Brazil)

Session III: Decadal variability and climate change in South America

Keynote Speaker: TBA

Thursday 14th October

Session IV: Impacts of ENSO on biogeochemistry and ecosystems (Morning - 14 October)

Keynote Speakers: 2 TBA

Session V: The 2009-2010 El Niño: regional analyses, forecasts, impacts, and climate service applications (**Afternoon-14 October**)

Keynote Speaker: Affonso Mascarenhas (CIIFEN, Ecuador)

4. Scientific Committee

Carolina Vera (UBA, Argentina) – co-chair
Michael McPhaden (NOAA, USA) – co-chair
Lisa Goddard (IRI, USA)
Scott Power (BOM, Australia)
Axel Timmerman (IPRC, USA)
Affonso Mascarenhas (CIIFEN, Ecuador)
Boris Dewitte (IRD, Peru)
Jean-Philippe Boulanger (IRD, Argentina)

5. Organizing committee

Rodney Martinez (CIIFEN, Ecuador)
Wenju Cai (CSIRO, Australia)
Alex Ganachaud (Legos/IRD, New Caledonia, France)
Nico Caltabiano (ICPO, UK)

6. Meeting sponsors

The meeting is being organized by CLIVAR and CIIFEN and has the support of WCRP and IGBP. It is expected that extra support of several regional, national, and international organizations will be available, which could provide travel grants for participants or contribute resources to convene the conference.

7. Participants

It is expected to have the active participation of scientists from South America and around the world working on climate and interannual variability scale, climate change and its social impacts. Decision makers and participants from the disaster management community are welcome. Depending on the mobilization of resources, partial or full support will be available to selected scientists from South America countries.

8. Meeting website

Further information will be provided via the meeting website, which can be accessed at

http://www.clivar.org/meetings/enso_2010.php

INSTRUCTIONS FOR ABSTRACTS SUBMISSION

For abstracts submission and/or registration visit: <http://ac.ciifen-int.org/eventos/>

Dead line for abstracts submission is: **July 31st 2010.**

For further questions or logistical matters contact to: ENSO-CC-SA@ciifen-int.org

Instructions for abstracts:

- Abstracts must be submitted in English.
- Maximum length : 1000 characters (about 250 words)
- Should not contain any figure or table.
- Must include the names of the authors, institution(s), position, country and e-mails of the author(s).
- Format:, type letter Arial 11, simple spaced, horizontal and vertical margins: 3 cm
- Additional Indication about the preference for oral exposition or poster presentation
- Only one abstract per first author will be accepted

TITLE IN BOLD AND CAPITAL LETTERS

Author surname, first name (1); Author surname, first name (2); Etc.

(1) Institutional affiliation

(2) Institutional affiliation

COUNTRY (capital)

E-mail (italics),

After two spaces, the abstract has to contain a maximum of 1000 characters, without figures or tables.

The text must be left justified and preferably composed in MS-Word.

Indicate preference for oral or poster presentation. Final decision will be made by the scientific committee.