

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

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. Instead we saw xxx. 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 (SA).
- b) To review the estimated trends and changes in ENSO teleconnections in SA.
- c) To discuss on the potential climate impacts for the next 10-15 years and their social and economical implications in SA

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.



3. Scientific Committee

Dr. Michael McPhaden (NOAA, USA)
Dr. Scott Power (BOM, Australia)
Dr. Affonso Mascarenhas (CIIFEN, Ecuador)
Dr. Lisa Goddard (IRI, USA)
Dr. Boris Dewitte (IRD, Peru)
Dr. Jean-Philippe Boulanger (IRD, Argentina)

4. Organizing committee

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

5. Potential sponsors

It is expected to have the support of several regional, national, and international organizations, which could support travel for participants or contribute resources to convene the conference and the publication of selected papers in *Advances in Science and Research (ASR)* (<http://www.advances-in-science-and-research.net/>)

The following potential sponsors are considered at this moment: WCRP, WMO, IOC, IRI, IAI, ISDR, UNDP, NASA, NOAA, AEMET, NSF, CAN, ECHO, USAID, IRD, IADB, RIOCC, UNESCO-PHI, UNEP, INOCAR, INAMHI, SENACYT, ESPOL, UEES, among others.

6. Participants

It is expected to have the active participation of scientists from South America and relevant scientists from across the world in this workshop. Depending on the mobilization of resources, partial or full support will be available to selected scientists from South America countries. A fee for participation will be fixed in order to contribute to funding for the event.

7. Timeline

23 December 2009	First announcement of the workshop and call for abstracts
20 March 2009	Confirmation of main sponsors
30 March 2010	Second announcement of the workshop
30 April 2010	Deadline for abstracts submission
30 June 2010	Accepted abstracts and posters
12 October 2010	International workshop

INSTRUCTIONS FOR ABSTRACTS SUBMISSIONS

Deadline and e-mail:

The abstracts must be sent to ENSO-CC-SA@ciifen-int.org
Before Monday, 30TH of April 2010

[already stated]

Instructions for abstracts:

- Submission will be done in electronic format
- Maximum length : 1000 characters
- Should not contain figures or tables.
- 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
- If you have more than one potential contribution, send each one in individual applications.
- Only first author submissions will be allowed (one per author). [I suggest just limiting first author submissions]

TITLE IN BOLD AND CAPITAL LETTERS

Surname and authors name (1); Surname and name (2)

(1) Institution which belongs, specific activity in the institution

(2) Institution which belongs, specific activity in the institution

COUNTRY (capital)

E-mail (lower case),

After two spaces, the abstract has to contain a maximum of 1000 characters, without any figure or table. The text must be complete justified and if it is possible, elaborated with MS-Word.

Indicate if the work will be **an Oral presentation or included in the Poster session**