

FIRST ANNOUNCEMENT

II International Symposium

“Reconstructing Climate Variations in South America and the Antarctic Peninsula over the last 2000 years”

Dates

October 27-30, 2010

Location

Welcome and Icebreaker, October 27, 2010: Aula Magna, Universidad Austral de Chile, Campus Isla Teja, Valdivia, Chile

Oral and Poster Sessions, October 28-30, 2010: Carpa de la Ciencia, Centro de Estudios Científicos CECS, Avda. Arturo Prat 514, Valdivia, Chile

Topic

The meeting looks for enhancing the interactions between scientists working in quantitative palaeoclimate reconstructions in tropical, extratropical and subantarctic South America and the Antarctic Peninsula during the late Holocene. This is the continuation of the previous meeting organized by PAGES in Malargüe-Argentina 2006, titled “*Reconstructing Past Regional Climate Variations in South America over the late Holocene*”. At the same time it is a preparatory meeting for INQUA 2011 (Bern, Switzerland). Within the IGBP-PAGES 2K initiative, this meeting is part of “LOTRED-SA Long-Term climate REconstruction and Dynamics of South America”.

Timescales covered

Late Holocene, with emphasis on high-resolution quantitative records of the past 2000 years

Overview

The objective of the Conference is to gather experts from different fields in climate dynamics, paleoclimatology (instrumental, proxy data and models) and glaciology, in order to review current knowledge and discuss new data sets, evaluate the interpretation of proxy data, and to search for calibration and quantification techniques of proxy data sets in South America and the Antarctic Peninsula.

The long-term goal of this collaborative meeting is to continue working towards a comprehensive view of regional forced and unforced climate variability and environmental change during the past few millennia, and to produce a gridded data set of climate variables from high-resolution multi-proxy time series.

At the 1st Meeting “*Reconstructing Past Regional Climate Variations in South America over the late Holocene*”, 133 scientists from 17 countries (mainly from Argentina, Chile,

Switzerland and USA) joined for review keynotes, and presentations of advancements in palaeoclimate, present climate, and climate modeling research.

This Conference in Valdivia-Chile will bring together scientist working on tree-rings, lake and marine sediments, glaciology, ice cores, historical documents, speleothems and other paleoclimate archives, all of them interested in paleoclimatic reconstructions for different regions of tropical, extratropical and subantarctic South America and the Antarctic Peninsula. Also the meeting will benefit from the participation of climatologists working on issues related to modeling and present climate of South America and the Antarctic Peninsula to provide a dynamically meaningful and physically plausible framework for the interpretation of past environmental records.

Sessions on

Modern Climate

Coordinators: Mathias Vuille and Rene Garreaud

Documentary Data & Early Instrumental Data

Coordinators: M. Rosario Prieto and Jorge Carrasco

Tree-ring records

Coordinators: Mariano Morales and Duncan Christie

Speleothems

Coordinator: Francisco Cruz

Marine & lacustrine sediments

Coordinators: Eduardo Piovano and Antonio Maldonado

Ice cores and Glaciology

Coordinators: Margit Schwikowski and Andrés Rivera

Paleoclimate Reconstruction & Modelling

Coordinator: Maisa Rojas and Raphael Neukom

Human-Climate interactions

Coordinator: Adolfo Gil and Roberto Urrutia

Organizing Committee

Andrés Rivera, Glaciología y Cambio Climático, Centro de Estudios Científicos (CECS), Chile
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Scientific Committee

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Roberto Urrutia, EULA, Universidad de Concepción, Chile
Ricardo Villalba, Instituto Argentino de Nivología, Glaciología y Ciencias Ambientales (IANIGLA), Argentina
Mathias Vuille, Department of Atmospheric and Environmental Sciences, University at Albany, State University of New York, USA

Confirmed Participants (April 27, 2010)

Anita Abarzúa, Department of Geology and Soil Science, Universiteit Gent, Belgium
Juan Carlos Aravena, CEQUA, Chile
John Birks, Department of Biology, University of Bergen, Norway
José Boninsegna, Instituto Argentino Nivología, Glaciología y Ciencias Ambientales, Argentina
Jorge Carrasco, Dirección Meteorológica de Chile, Chile
Duncan Christie, Facultad de Ciencias Forestales y Recursos Naturales, UACH, Chile
Francisco Córdoba, CICTERRA-CONICET, Universidad Nacional de Córdoba, Argentina
Francisco Cruz, Department of Geosciences, University of Sao Paulo, Brazil
Julie Elbert, Oeschger Centre for Climate Change Research, University Bern, Switzerland
Rene Garreaud, Departamento de Geofísica, Universidad de Chile, Chile
Adolfo Gil, CONICET – Museo Municipal de Historia Natural de San Rafael, Mendoza, Argentina
Martin Grosjean, Oeschger Centre for Climate Change Research, University Bern, Switzerland
Thorsten Kiefer, PAGES-IPO, Switzerland
Carina Lange, Center for Oceanographic Research in the eastern South Pacific, Chile
Antonio Lara, Facultad de Ciencias Forestales y Recursos Naturales, UACH, Chile
Claudio Latorre, Facultad de Ciencias Biológicas, Pontificia Universidad Católica de Chile, Chile
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Patricio Moreno, Instituto de Ecología y Biodiversidad, Universidad de Chile, Chile
Mariano Masiokas, Instituto Argentino Nivología, Glaciología y Ciencias Ambientales, Argentina
Eduardo Piovano, CICTERRA-CONICET, Universidad Nacional de Córdoba, Argentina
M. Rosario Prieto, Instituto Argentino Nivología, Glaciología y Ciencias Ambientales, Argentina

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Margit Schwikowski, Department of Biology and Chemistry, University of Bern, Switzerland
Roberto Urrutia, EULA, Universidad de Concepción, Chile
Ricardo Villalba, Instituto Argentino Nivología, Glaciología y Ciencias Ambientales, Argentina
Mathias Vuille, University at Albany, State University of New York, USA
Cathy Withlock, Department of Earth Sciences, Montana State University, USA

Pre-Congress Course

“South American Climatology and Quantitative High-Resolution Climate Reconstructions in Paleocology”, October 23-27

Location

Sala Federico Saelzer, Facultad de Ciencias Forestales y Recursos Naturales, Campus Isla Teja, Universidad Austral de Chile, Valdivia

Professors

John Birks, Department of Biology, University of Bergen, Norway
Rene Garreaud, Departamento de Geofísica, Universidad de Chile, Chile

Maximum number of students: 20. Please send a letter of intent and CV to course coordinator:
Antonio Maldonado amaldona@userena.cl, CEAZA, Chile.

Important dates

Abstract submission July 26, 2010
Registration in pre-conference course July 26, 2010
Deadline for student fellowship applications July 26, 2010
Notification of abstracts acceptance and course participants August 23, 2010
Deadline for participant registration September 13, 2010
Pre-conference course starts October 23, 2010
On-site conference registration October 27-28, 2010
Icebreaker October 27, 2010
Conference starts October 28, 2010

Registration fees

Before September 24, 2010:

Researchers and general public: U\$ 200.- (American Dollars)

Students (under and post graduate): U\$ 50.- (American Dollars)

A number of fellowships are available. More details in the second call.

Between September 25 and October 27, 2010:

Researchers and general public: U\$ 250.- (American Dollars)

Students (under and post graduate): U\$ 75.- (American Dollars)

Contact email

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Symposium organized by

Facultad de Ciencias Forestales y Recursos Naturales, Universidad Austral de Chile, Valdivia
Centro de Estudios Científicos, CECS, Valdivia

Sponsors

Past Global Changes, PAGES

Centro de Ingeniería de la Innovación del CECS, Valdivia, Chile

Centro de Estudios de Zonas Áridas, CEAZA, La Serena, Chile

Collaborators

University of Bern, Oeschger Centre for Climate Change Research, Switzerland

Instituto Argentino de Nivología, Glaciología y Ciencias Ambientales, IANIGLA, Argentina

Web page

www.cecs.cl/pages2010/

Other Links

- » www.glaciologia.cl
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- » [CECS - Centro de Estudios Científicos](#)
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