



PAGES & INQUA sponsored workshop



***Millennial-scale climate variability over the last glacial period
in tropical and subtropical America***

Universidad de los Andes
Bogotá, Colombia

28th November to 2nd December 2012

Wednesday 28th November

Arrival of participants

Accommodation: Hotel Augusta, Av. Jiménez No. 4 - 77 Bogotá, Ph. +57 1 283 8300

Thursday 29th November

7:00 AM Breakfast - Hotel Lobby

Welcome–Introduction –Universidad de los Andes

9:00 AM ***LaACER initiative – objectives – workshop program***

Dunia H. Urrego, EcolePratique des Hautes Etudes, UniversitéBordeaux, France
(LaACERcoordinator)

9:15 AM ***Keynote:Regional signature of Daasgard-Oeschger in western Europe and the ACER initiative***

Maria Fernanda Sanchez Goñi, EcolePratique des Hautes Etudes, UniversitéBordeaux, France (ACER IFG coordinator)

Modeling

9:45 AM ***The NADW in the South Atlantic since the Last Glacial Maximum - links to MWP-1A***

Juliana Marson, Instituto Oceanográfico, Universidade de São Paulo, Brazil

10:10 AM Coffee break

Paleoceanography/Geochemistry– Universidad de los Andes

10:30 AM ***Keynote:Where has all the heat gone? Millennial-scale variability of the Brazil/North Brazil Currents during the last glacial***

Cristiano M.Chiessi, Universidade de São Paulo, Brazil

11:00 AM ***Atmospheric teleconnections between the Intertropical Convergence Zone and Southern Westerly Wind belt during the last termination: a model-data comparison***

Vincent Montade, Université Montpellier, LSCE, France

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- 11:25 AM **Late Quaternary paleohydrological changes in arid Mexico in time and space: teleconnections and possible forcing mechanisms**
Priyadarsi Roy, Universidad Nacional Autonoma de Mexico
- 11:50 PM **Tropical Pacific Climate Variability from the Late Pleistocene to Holocene: A Multi-Proxy Study of Sedimentary Records From the Southern Gulf of California**
Ligia Perez Cruz, Universidad Nacional Autonoma de Mexico
- 12:15 PM Lunch break – Restaurante Universidad de los Andes
- Precipitation: Speleothems/Paleolimnology– Universidad de los Andes**
- 2:00 PM **Millennial-scale variability of the South American summer monsoon**
Francisco W. da Cruz, Universidade de São Paulo, Brazil (LaACERcoordinator)
- 2:25 PM **Characterization of monsoon precipitation over lowland tropical South America during abrupt millennial events: HS1, B-A, YD and Bond events**
Nicolas Strikis, Universidade de São Paulo, Brazil
- 2:50 PM **High-resolution records of climate change during the Holocene in Brazil and Mexico**
Juan Pablo Bernal, Universidad Nacional Autonoma de Mexico
- 3:15 PM **Matches and mismatches in millennial scale climate oscillations from the southern tropical Andes**
Mark B. Bush, Florida Institute of Technology, USA
- 3:40 PM **A ~43-ka record of paleoenvironmental change in the Central American lowlands inferred from stable isotopes of lacustrine ostracods**
Jaime Escobar, Universidad del Norte, Colombia (LaACER local coordinator)
- 4:00 PM **What caused Northern Hemisphere glaciation**
Camilo Montes, Universidad de los Andes, Colombia
- 4:10 PM Coffee break
- 4:30 PM **Searching for ecological tipping points in mid-altitude, tropical ecosystems**
Margarita Caballero, Universidad Nacional Autonoma de Mexico
- Vegetation: Pollen/Charcoal – Universidad de los Andes**
- 4:55 PM **Millennial-Scale Ecological Changes in Tropical South America Since the Last Glacial Maximum**
Dunia H. Urrego, EcolePratique des Hautes Etudes, UniversitéBordeaux, France
- 5:20 PM **Late Quaternary temperature change velocity in Mesoamerica**
Alexander Correa Metrio, Universidad Nacional Autonoma de Mexico
- 7:30 PM Dinner
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- Friday 30th November**
- 7:30 AM Breakfast - Hotel Lobby
- Vegetation: Pollen/Charcoal –Universidad de los Andes**
- 9:00 AM **Keynote:Centennial-scale biome dynamics and climate variability during the last glacial cycle in the Colombian Andes**
Henry Hooghiemstra, University of Amsterdam, The Netherlands
- 9:30 AM **Millennial-scale climate variability during MIS 3 and MIS 2 at Lake Chalco, central Mexico**
Esperanza Torres Rodriguez, Universidad Nacional Autonoma de Mexico
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- 9:55 AM ***Ecosystem responses to late Quaternary climate change in central Mexico***
Socorro Lozano, Universidad Nacional Autonoma de Mexico
- 10:20 AM Coffee break
- 10:50 AM ***High-resolution multiproxy records from Bolivia, Laguna La Gaiba & Laguna Socorros***
Mitch Power, University of Utah, USA
- 11:15 AM ***Before and after 60 kyr: contrasting millennial scale climate patterns from northern South America***
Catalina Gonzalez, Universidad de los Andes, Colombia (LaACER local coordinator)
- 11:40 AM ***Assessing temporal uncertainty of the Latin-American pollen database***
Suzette Flantua, University of Amsterdam, The Netherlands
- 12:05 AM ***Closing remarks***
- 12:15 PM Lunch break - Restaurante Universidad de los Andes
- 2:00 PM **Break-out discussions per sub-discipline – Salon Hotel Augusta**
Identify open questions, data needed, research priorities
- 3:00 PM Report from break-out sessions, 10 mins each
- 3:30 PM Identify common issues
- 4:00 PM Coffee break
- 4:30 PM Open discussion about common issues/interests. Chronology, unpublished data, data-model comparisons
- 5:30 PM Special issue, people interested?, potential journal QI, QSR, JQS? Define deadlines
Preliminary list of publications
PAGES newsletter - define deadlines
- 7:30 PM Workshop dinner

Saturday 1st December

- 7:00 AM Breakfast - Hotel Lobby
- 8:00 AM **Continued discussions**
2nd LaACER workshop - Brazil 2013
- 10:00 AM **Fieldtrip to Lake Fuquene**
Deep-lake drilling - High-resolution records – Geology of the region
Gustavo Sarmiento, Universidad Nacional de Colombia
Henry Hooghiemstra, University of Amsterdam
- 5:00 PM Drive back to Bogota
- 7:30 PM Dinner and farewell to participants

Sunday 2nd December

- 10:00 AM Visit to Gold Museum for those interested
Departure of participants - Hotel check out – Invoices