



LOTRED-SA 3rd International Symposium “Climate change and human impact in Central and South America over the last 2000 years: Observation and Models”.

July 9th-12th, 2014 Universidad Eafit, Medellín-Colombia

This **LOTRED-SA** meeting is a continuation of previous exciting symposia held in Argentina (2006) and Chile (2010), which provided a well of data, and climate reconstructions, mostly on southern South America. This time the symposium moves to tropical America emphasizing the importance of the region in global climate dynamics from annual to millennial time scales. The meeting is expected to attract researchers and students from the Caribbean, and Central and South America, thus providing a venue of discussion and a synoptic picture of climate dynamics in the neotropics, including previous and new findings from the extratropics and the adjacent oceanic regions. Hosted by Universidad Eafit in Medellín, this symposium will include 3 days conference, 1-day field trip, and 2 days of Training Course/Workshop for young scientists.

Symposium Program

Scientific Sessions

1. South American modern climate and future predictions
2. The pre-2k paleoclimate records
3. Hydrological changes at regional scales: ITCZ, South American Monsoon, ENSO-related precipitation.
4. Paleoceanography, sea level changes, and land-ocean interactions
5. Past changes in fluvial systems, floodplains and lakes.
6. Speleothem and Scleroclimatology records: linking the hemispheres
7. Past biodiversity and ecosystem processes
8. Abrupt changes and extreme events: volcanoes, tsunamis, hurricanes, neotectonics, etc.
9. Climate - Human Interactions during the late Holocene
10. Data assimilation and data-model comparison
11. Proxy calibration & new proxy development

Confirmed Speakers

- Broxton Bird, Indiana U (Paleolimnology)
- Maarten Blaauw, Queen's U Belfast UK (C14 Dating and Chronology)
- Mark Brenner, U of Florida (Paleolimnology)
- Francisco Cruz, U of Sao Paulo (Speleothems)
- Martin Grosjean, Oeschger Centre, Climate Change Research (Paleolimnology)
- Edgardo Latrubesse, U of Texas (Fluvial systems South America)
- Mitchell Power, Natural History Museum of Utah (Fire records)
- Valentí Rull, Instituto Botánico de Barcelona (Palynology)
- Ricardo Villalba, Instituto Argentino de Nivología, Glaciología y Ciencias Ambientales (Dendrochronology)

Registration

Professionals

Before February 28	COP\$ 200.000	U\$ 100
After February 28	COP\$ 250.000	U\$ 125

Students*

Before February 28	COP\$ 100.000	U\$ 50
After February 28	COP\$ 120.000	U\$ 60

* should provide a copy of the student ID

The registration fee includes:

- Conference registration and material
- Coffee breaks and welcome reception

Excursion

Participation at the excursion to Santa Fe de Antioquia on the 12th of July is optional, and a supplementary fee will be charged.



First Call for abstracts

We encourage papers presenting case studies of broad interest, synthesis and review papers. Abstracts for oral and poster presentations should be submitted to the conference organizers by **Friday, February 28-2014**, to lotred@eafit.edu.co. Please follow the instructions on the abstract submission format. The publication of a special issue with review and original research papers in an international, peer-review, journal is envisaged.

NOTE: After submission, the Scientific Committee will review the abstracts and inform the participants whether their contributions will be accepted, or not, and the presentation format, either oral or poster. All participants, including authors who submit abstracts, should register for the meeting. PAGES will provide some Student Grants, whose details will be announced shortly.

ABSTRACT SUBMISSION FORMAT

Preferred session (see attached):

Preferred form of presentation: (O) Oral, (P) Poster, (O/P) either

Applying for student travel grant (only one):

() YES, international travel grant () YES, within Colombia travel grant

() YES, local (registration-only) grant () NO

TITLE: Arial 12 pt, capital letters, centered

AUTHOR(S): Arial 11 pt, presenting author in **bold**, centered

AFFILIATION(S) AND CONTACT INFORMATION (Arial 10 pt, centered): institution plus e-mail address of presenting author.

Abstract (Arial 12 pt; 1.5 line space)

Abstracts should be up to 400 words in English.

Keywords: (Arial 12 pt):

Maximum three

Please use strictly the following format example:

LATE HOLOCENE HISTORY OF THE NORTHERN NEOTROPICS

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