

UPCOMING WORKSHOPS

PEP 1 Paleoclimates of the Americas

MÉRIDA, VENEZUELA, MARCH 16-20, 1998

To further our understanding of interhemispheric climate linkages in the Americas, present and past, a meeting is convened in Merida, Venezuela, March 16 to 20, 1998. The meeting represents the first attempt to address the goals defined by the IGBP-PAGES initiative "Pole-Equator-Pole Paleoclimates of the Americas" (PEP 1).

These goals are:

- 1) to document the inter-relation between climate change patterns in the Americas in terms of amplitude, phase, and geographic extent; and
- 2) to determine the forcing factors which affected each hemisphere's as well as the inter-hemispheric climate change patterns.

Sixty-two speakers have accepted the invitation to present an inter-hemispheric overview of climate change and climate variability from instrumental climate, terrestrial, ice core and marine records in the Americas, for specific time intervals, present and past.

In addition, 28 posters have been submitted for the poster session, representing specific the sessions' topics.

From the meeting a book will be produced, containing chapters on the session's topics. ■

PEP 1 Meeting Agenda

MODERN CLIMATE VARIABILITY

Henry Diaz, coordinator

- Miguel Acevedo, Rigoberto Andressen, Kent McGregor, Hirma Ramirez and Magdiel Ablan: *Climate Variability Scenarios for the Llanos of Venezuela: Soil Moisture and SST anomalies*
- Mike Dettinger and Dan Cayan: *Historical Modes of Interannual and Decadal Hydroclimatic-Hydrologic variability in the Western Hemisphere*
- Dave Enfield: *Western Hemisphere Modes of Ocean-Atmospheric Co-Variability*
- Stefan Hastenrath: *Atmospheric Circulation of the Tropical Americas*
- Jose Marengo: *Cold Front and Polar Advections in the Americas during Modern and Past Climates*

LAST 2000 YEARS CLIMATE VARIABILITY

Malcolm Hughes, Tim Baumgartner and Lonnie Thompson, coordinators

- Jose Boninsegna and Malcolm Hughes: *Tree Ring Records from the Americas*
- Tim Baumgartner and Marco Salamanca: *Developing a Paleoclimate Transect for Marine Sites along the Eastern Pacific Margin*
- Tim Baumgartner, Andy Soutar and F. Ferreira: *Patterns of Interhemispheric Climate Change of the Past 2000 Years Inferred from high-Resolution Marine Sediment Records of the Eastern Pacific*
- Thomas Kitzberger, Thomas Swetnam and Thomas Veblen: *A Comparison of Fire Histories and Climatic Change in the Southwestern United States, and Northern Patagonia, Argentina*
- Brian Luckman: *Assessing Synchronicity of Glacier Fluctuations in the Western Cordillera of the Americas during the Last Millennium*
- Lonnie Thompson: *Climate of the Last 2000 Years in the Tropical Andes of South America*
- Sheri Fritz: *Moisture Patterns in the Americas over the Last 2 Millennia Inferred from Lacustrine Records*

ENSO CLIMATE VARIABILITY

Robert Dunbar, coordinator

- Dave Battisti: *Climate Phenomenon on Interannual to Decadal time scales that have Interhemispheric Impacts on the Americas*
- Julie Cole and Ed Cook: *Changing Relationship between ENSO and North American Drought*
- Alexey Kapan: *Globality and optimality in climate fields reconstructions: ENSO and more*
- Luc Ortlieb: *Historical Records of ENSO*
- Ricardo Villalba, Rosanne D'Arrigo, Ed R. Cook, G. Wiles and G. Jacoby: *Decadal-scale Climatic Variability along the Extra-tropical Western Coast of the Americas over Past Centuries inferred from Tree-ring Records*
- Rosanne D'Arrigo and D.W. Stahle: *Multiproxy Reconstructions of the Southern Oscillation*

HUMAN DIMENSIONS

Diana Liverman, coordinator

- Diana Liverman: *The Human Dimensions of Global Change in the Americas: An Overview*
- Mark Brenner, Hodell, D.A., Leyden, B., Curtis, J.H., Binford, M.W., Kolata, A.L. and Abbott, M.B.: *Environmental Determinism Revisited: Climatic Limits on Cultural Development*

- Lautaro Nunez: *Eventos de Aridez Pleistoceno-Holocenos en el Centro-Norte de Chile y su Correlacion con los Primeros Poblamientos del Cono Sur*
- Roberto Sanchez: *Vulnerability of Latin American Cities to Climate Change and Climate Variability*
- Payson Sheets: *The Effects of Explosive Volcanic Eruptions on Simple-to-Complex Societies in Ancient Middle America*

MID-HOLOCENE CLIMATE VARIABILITY

Julio Betancourt, Wolfgang Volkheimer, coordinators

- Walter Dean, Sarah Metcalf, Philippe Mourguiart: *Lacustrine Records of Mid-Holocene Climates of North America*
- Eric Grimm and Socorro Lozano-Garcia: *Vegetational Signal in the Americas of Geographically Variable Climate Forcings during the Mid Holocene*
- Dan Muhs: *Late Quaternary Eolian Records in North America with a Comparison to Eolian Records in South America;*
- Marcelo Zarate: *Late Pleistocene and Holocene Eolian Records of Southern South America (The Pampas and the Chaco Region)*
- Jan Heine: *Mid-Holocene Glacier Advances in North America;*
- Geoff Seltzer: *Holocene Glaciation in Central and South America*

LATE GLACIAL CLIMATE VARIABILITY

Henry Hooghiemstra, Vera Markgraf, Cathy Whitlock, coordinators

- Platt Bradbury: *Late-Glacial (15 - 8 ka) Lake Records along PEP 1 Transect: Their Role in Developing Inter-hemispheric Paleoclimate Interactions;*
- Martin Grosjean: *Late Glacial and Holocene Climate Changes on the Southern Altiplano (20-28°S)*
- Marie Pierre Ledru and Maria Lea Salgado-Labouriau: *Vegetation Records in North and South America*
- Scott Lehman and Carlos Herguera: *Marine Records*
- Dorothy Peteet: *Late-Glacial Climate Variability - GCM Modeling Experiments*
- Geoff Seltzer: *Late Glacial Glaciation in Central and South America;*
- Jan Heine: *Late-Glacial Glacier Advances in North America*
- Jim White: *Polar Ice Core Records*
- J.M. Pajon and F. Ortega: *Paleoclimatic and Paleoenviromental Studies in Cuba*

FULLGLACIAL CLIMATES

Thomas Pedersen, Miguel Angel Gonzalez, coordinators

- Allan Ashworth: *A Comparison of the Beetle Faunas of the Last Glaciation from the Mid-latitudes of North and South America*
- Chalmers Clapperton and Max Bezada: *Full-Glacial Glacier Extent and Chronology along the PEP 1 (Americas) Transect*
- Jim Kennett: *Late Quaternary Climate and Ecosystem Instability: Southern California Margin*
- M.A. Gonzalez: *Lake Records of the Americas*
- Todd Sowers: *Interhemispheric Linkages during the Last Glacial period*
- Robin Webb: *High versus Low Latitude Glacial Climate Sensitivity in the Americas: Results from PMIP Simulations and Other Sensitivity Experiments*
- Cathy Whitlock: *Features of the Full-Glacial Vegetation of the Americas*
- Michel Servant: *Comparison of Fullglacial Climatic Features in South America and Africa*