

Past and Future Drylands Hydrology

A mini-conference co-sponsored by
CORC ARCHES and the Climate Center
Lamont Doherty Earth Observatory Campus, Lamont Hall
July 19 - 20, 2007

Thursday July 19

MORNING SESSION

9:00: Opening Address

Subtropical drying: a robust response of the hydrological cycle to global warming
Isaac Held, NOAA Geophysical Fluid Dynamics Laboratory, Princeton

The Medieval Hydroclimate Anomaly: subtropical aridity in the recent past

10:00 Medieval aridity in the American West from relic tree stumps
Scott Stine, California State University, Hayward

10:30 Coffee break

11:00 Medieval aridity in millennial perspective: continuous tree ring records of North American hydroclimate
Ed Cook, Lamont Doherty Earth Observatory, Palisades, NY

11:30 The Medieval Hydroclimate Anomaly as recorded in East African lakes
Tom Johnson, Large Lakes Observatory, U. Minnesota

12:00 Holocene variations in Great Basin rainfall as recorded in rock varnish
Tanzhuo Liu, Lamont Doherty Earth Observatory

12:30 Lunch

AFTERNOON SESSION

1:30 Holocene lakes records from northern Mexico
Peter Fawcett, U. New Mexico

2:00 Modeling North American megadroughts
Amy Clement, RSMAS, U. Miami

2:30 Future subtropical drying: an annular mode perspective
Mike Previdi, Lamont Doherty Earth Observatory, Palisades, NY

Past and Future Drylands Hydrology

A mini-conference co-sponsored by
CORC ARCHES and the Climate Center
Lamont Doherty Earth Observatory Campus, Lamont Hall
July 19 - 20, 2007

(Thursday, July 19 Afternoon Session continued)

3:00 Coffee break

3:30 Is Medieval hydroclimate an analog of the future?
Richard Seager, Lamont Doherty Earth Observatory, Palisades, NY

The Last Glacial Maximum: moist subtropics in a cold climate?

4:00 The Great Basin area during the last ice age
Ken Adams, Desert Research Institute, NV

4:30 The last glacial as recorded in East African lakes
Tom Johnson, Large Lakes Observatory, U. Minnesota

5:00 Adjourn

Past and Future Drylands Hydrology

A mini-conference co-sponsored by
CORC ARCHES and the Climate Center
Lamont Doherty Earth Observatory Campus, Lamont Hall
July 19 - 20, 2007

Friday July 20

MORNING SESSION

The Last Glacial Maximum: moist subtropics in a cold climate?(cont.)

9:00 Holocene records from the Tibetan plateau and northwest China
Zicheng Yu, Lehigh University

9:30 The southwestern record of Pleistocene and Holocene hydroclimate change
Roger Anderson, University of New Mexico

10:00 The last glacial and Holocene in records of Dead Sea lake levels
Moti Stein, Hebrew University, Israel

10:30 Coffee break

11:00 Glacial hydroclimate in the Altiplano
Paul Baker, Duke University

11:30 A juxtaposition of the dynamics of the modern day Indian-Asian monsoons with millennial scale variability in proxy monsoon records from China and the Indian Ocean.
David Battisti, U. Washington

12:00 Lunch

AFTERNOON SESSION

1:30-3:00 Past and future drylands hydrology: Comments, lessons and priorities

Discussion lead by:

George Denton, U. Maine
Wally Broecker, Lamont Doherty Earth Observatory
David Battisti, U. Washington
Richard Seager, Lamont Doherty Earth Observatory
Isaac Held, Geophysical Fluid Dynamics Laboratory

3:00 Adjourn