



## Second Circular



# Symposium on Climate Change: Organizing the Science for the American Cordillera (CONCORD)

Mendoza, Argentina  
4 – 6 April 2006

organized by

**Earth Systems Research Laboratory/NOAA, Boulder, USA (Co-Chair)**

**Instituto Argentino de Nivología, Glaciología y Ciencias Ambientales (IANIGLA),  
Mendoza, Argentina (Co-Chair)**

**Office for Sustainable Development and Environment, Organization of American  
States, Washington, D.C. USA**

**The Mountain Research Initiative, Berne, Switzerland**



## 1. Conference Goals and objectives

### **This international symposium focused on the American Cordillera will**

- Highlight the current understanding of climate and the efficacy of climate observation systems in the American Cordillera;
  - summarize current research on the likely impacts of climate variability and change on key environmental features (e.g., the cryosphere) and coupled human-environment systems (e.g., the land and its hydrologic systems as manifest in agriculture, energy and transportation sectors);
  - assess the key scientific gaps in our understanding of climate and its impacts on key systems and the research needs to support adaptation to global change in the Andes;
  - evaluate and propose long-term institutional arrangements for integrated climate and earth system science in the American Cordillera.
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## 2. Background

The mountain regions of the western American Cordillera may be especially vulnerable to changes in climate, to the ensuing changes in snowpack, streamflow, ecosystem functioning, and to a host of impacts on human and natural systems. In these mountain regions relatively small perturbations in global processes can cascade to produce large changes in both highlands and lowlands, ultimately affecting the health, safety and prosperity of people throughout the country. Accelerating research in these regions and on these topics will benefit communities and nations across the Western Hemisphere.

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## 3. Workshop Structure and Agenda

The conference will address the following topics:

- Climate observation and change detection
- Paleoclimate
- Water supply
- Ecosystems and biodiversity
- Agroecosystems
- Landscape transformation
- Institutional arrangements
- Future research directions

Under each heading there will be scientific presentations as well as moderated discussions of the scientific gaps and the means to support adaptation to climate change.

Monday 3 April

**Arrival of participants:** Registration from 8 pm to 9 pm

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## Tuesday 4 April

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Morning and afternoon session

### **Climate observation and change detection, Paleoclimate**

Moderated by

**Henry Diaz**, Earth System Research Laboratory, NOAA, USA

**Ricardo Villalba**, Instituto Argentino de Nivología, Glaciología y Ciencias Ambientales (IANIGLA), Argentina

Confirmed speakers

**Patricio Aceituno**, University of Chile, Chile

**Ed Cook**, Columbia University, USA

**Howard Diamond**, National Oceanic and Atmospheric Administration (NOAA), USA

**Rene Garreaud**, University of Chile, Chile

**Brian Luckman**, University of Western Ontario, Canada

**Maisa Rojas**, University of Chile, Chile

**Ricardo Villalba**, Instituto Argentino de Nivología, Glaciología y Ciencias Ambientales (IANIGLA), Argentina

**Mathias Vuille**, University of Massachusetts, USA

**Connie Woodhouse**, National Climatic Data Center, NOAA, USA

### **Poster session in the early evening**

Evening session

### **Climate research: key scientific gaps; research needs to support adaptation to global change in the Andes**

Moderated by

**Raymond Bradley**, University of Massachusetts, USA

**William Hooke**, American Meteorological Society, USA

Confirmed participants

**Martin Beniston**, University of Fribourg, Switzerland

**Howard Diamond**, National Oceanic and Atmospheric Administration (NOAA), USA

**Hery Diaz**, National Oceanic and Atmospheric Administration (NOAA), USA

**Bernard Francou**, Institut de Recherche pour le Développement, Bolivia

**Jorge Rabassa**, Laboratorio de Geología del Cuaternario, Argentina

**Walter Vergara**, World Bank, USA

## Wednesday 5 April

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Morning session

### **Water supply**

Moderated by **Raymond Bradley**, University of Massachusetts, USA

Confirmed speakers

**Dan Fagre**, USGS Northern Rocky Mountain Science Center, USA

**Bernard Francou**, Institut de Recherche pour le Développement, Bolivia

**Kindy Gosal**, Columbia Basin Trust, USA

**Alan Hamlet**, University of Washington, USA

Afternoon session

### **Ecosystems / Biodiversity**

Moderated by **Brian Luckman**, University of Western Ontario, Canada

Confirmed speakers

**Mauro González**, Universidad Austral de Chile, Chile

**Antonio Lara**, Universidad Austral de Chile, Chile

**Lee Hannah**, Conservation International, USA

**Laura Nahuelhual**, Instituto de Economía Agraria, Chile

**Jason Sibold**, University of Colorado, USA

### **Poster session in the early evening**

Evening session

### **Water / Ecosystems: key scientific gaps; research needs to support adaptation to global change in the Andes**

Moderated by

**Lee Hannah**, Conservation International, USA

**Hans Schreier**, University of British Columbia, Canada

Confirmed participants

**Alejandro Leon**, Int. Human Dimension Program (IHDP), Chile

## Thursday 6 April

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Morning session

### **Agroecosystems / Landscape transformation**

Moderated by **Gregory Greenwood**, Mountain Research Initiative, Switzerland

Confirmed speakers

**Roberto Quiroz**, Consultative Group on International Agricultural Research (CGIAR), Peru

**Christoph Stadel**, University of Salzburg, Austria

Afternoon session

### **Institutional arrangements / Future research directions**

Moderated by **Stephen Bender**, Organization of American States, USA

Confirmed speakers

**Pascal Girot**, United Nations Development Program (UNDP), Costa Rica

**Nelly Gray de Cerdan**, Centro de Estrategias Territoriales para el MERCOSUR, Argentina

**William Hooke**, American Meteorological Society, USA

**Holm Tiessen**, Inter American Institute for Global Change (IAI), Brazil

**Walter Vergara**, World Bank, USA

Evening session

### **Summary of gaps; proposals for an end-to-end research program**

Moderator to be determined

Participants to be determined

## 4. Contact

### Website:

<http://www.ires.ubc.ca/projects/concord/>

### For general questions and comments:

Ricardo Villalba  
IANIGLA-CRICYT, Argentinian Inst. for Snow, Ice & Env. Research  
Casilla de Correo 330  
5500 Mendoza, AR  
+54 (0) 261 428 7029, ext. 48  
[ricardo@lab.cricyt.edu.ar](mailto:ricardo@lab.cricyt.edu.ar)

### For registration:

Olga Paschero  
IANIGLA-CRICYT, Argentinian Inst. for Snow, Ice & Env. Research  
Casilla de Correo 330  
5500 Mendoza, AR  
Phone: +54 - 261 428 7029, ext. 11  
Fax: +54 - 261 428 5940  
[ianigla@lab.cricyt.edu.ar](mailto:ianigla@lab.cricyt.edu.ar)

Registration fee: 50 USD

Registration deadline for posters: 1 February 2006 (the SC cannot provide financial support for poster presenters).

<b>To register copy the following form into an email and send it to IANIGLA:</b>
Title
Name
First Name
Function
Institute
University / Company
Address
City
Country
Email
Phone
Fax
Poster: YES / NO
If submitting poster: Title and abstract:

## 5. Meeting venue

The Argentinean Institute for Snow, Ice and Environmental Research (IANIGLA) is a national research institution. Located at the General San Martín Park of Mendoza city, the Institute hosts a diverse group of researchers and technicians organized in five Departments: Environmental Sciences, Cryosphere Sciences and Quaternary Geology, Dendrochronology and Environmental History, Geology and Paleontology, and Geomatics.

<http://www.cricyt.edu.ar/?g=mostrar&i=ianigla>

The conference venue has limited space. We will try to accommodate the overflow by means of video- and webcasting.

For more information about Mendoza please consult the following websites.

[http://welcomeargentina.com/mendoza/index\\_i.html](http://welcomeargentina.com/mendoza/index_i.html)

<http://www.turismo.mendoza.gov.ar/>

<http://www.argentinaworld.com.ar/Provincia/Mendoza/informacion.php>

## 6. Accommodation and Board

1 - Hotel Aconcagua (\*\*\*\*): <http://www.hotelaconcagua.com/>  
Single - Arg. \$ 194 (US \$ 68); Double - Arg. \$ 194 (US \$ 68)

2 - Hotel Crillon (\*\*\*): [http://www.mendoza.com.ar/hotel\\_crillon\\_1.html](http://www.mendoza.com.ar/hotel_crillon_1.html)  
Single - Arg. \$ 94 (US \$33); Double - Arg. \$ 136 (US \$ 45)

For reservations, please contact

Tati Dominguez at GMD Viajes,  
9 de Julio 1126 Gal. San Marcos  
Local 25 (5500) Mendoza - Argentina  
TELEFAX: 0261 - 4340114  
[gmdviajes@ciudad.com.ar](mailto:gmdviajes@ciudad.com.ar)

Please, indicate that the reservation is related to the CONCORD meeting.

## 7. Travel Arrangements

The conference organizers offer a free shuttle from Mendoza International Airport to the hotels to all conference participants arriving on April 3 (there are 11 flights arriving at Mendoza everyday).

### **For participants arriving at Mendoza airport at other times:**

TAXIS: Approximate cost (in Argentine pesos) \$20. Phones: 422-2555, 430-3300 (dial 0261 before the local numbers if calling from other Argentine cities, and +54-261 if calling from abroad).

LIMOS: Approximate cost \$22. Phones: from Argentina, 4310285, 4316615 (dial 0261 before the local numbers if calling from other Argentine

## 8. Visa requirements

To visit Argentina for a short period of time (less than 3 months), visas are not required for most countries. Please verify at the Travel Agencies if visas are needed before traveling.

## 9. Workshop language

The main workshop language will be English.

## 10. Organizing committee

**Henry F. Diaz**, Earth System Research Laboratory, NOAA, Boulder, USA (Co-Chair),  
[Henry.F.Diaz@noaa.gov](mailto:Henry.F.Diaz@noaa.gov)

**Ricardo Villalba**, Instituto Argentino de Nivología, Glaciología y Ciencias Ambientales (IANIGLA), Mendoza, Argentina (Co-Chair), [ricardo@lab.cricyt.edu.ar](mailto:ricardo@lab.cricyt.edu.ar)

**Stephen O. Bender**, Office for Sustainable Development and Environment, Organization of American States, Washington, D.C., [SBender@oas.org](mailto:SBender@oas.org)

**J. A. Boninsegna**, Instituto Argentino de Nivología, Glaciología y Ciencias Ambientales, Mendoza, Argentina, [pbonin@lab.cricyt.edu.ar](mailto:pbonin@lab.cricyt.edu.ar)

**Raymond S. Bradley**, University of Massachusetts, Amherst, USA,  
[rbradley@geo.umass.edu](mailto:rbradley@geo.umass.edu)

**Gregory B. Greenwood**, The Mountain Research Initiative, Bern, Switzerland,  
[greenwood@scnat.ch](mailto:greenwood@scnat.ch)

**Antonio Lara**, Universidad Austral de Chile, Valdivia, Chile, [antoniolara@uach.cl](mailto:antoniolara@uach.cl)

**Brian Luckman**, University of Western Ontario, London, Ontario, Canada,  
[luckman@uwo.ca](mailto:luckman@uwo.ca)

**Hans Schreier**, University of British Columbia, Vancouver, Canada,  
[star@interchange.ubc.ca](mailto:star@interchange.ubc.ca)