**Second Circular**

**Inception workshop**

**The Impact of Glacier Retreat in the Andes: International Multidisciplinary Network for Adaptation Strategies**

**Lima, Peru**

**29-30 May 2012**

**Organized by: International Hydrological Programme (IHP), and**

**Man and the Biosphere (MAB) Programme of UNESCO**

**Supported by: Flanders-UNESCO Science Trust Fund**

**In partnership with:**

FAO Mountain Partnership Secretariat, Consorcio para el Desarrollo Sostenible de la Ecorregión Andina (CONDESAN), Andean Climate Change Interamerican Observatory Network (ACCION), Grupo de Trabajo de Nieves y Hielos (GTNH-IHP), and the Third Pole Environment (TPE).

**Introduction**

The workshop involves the participation of glaciologists, hydrologists, water resources experts, mountain biosphere managers, policy–makers, social scientists and local stakeholders and experts from IHP and MAB networks to ensure that local stakeholders understand the global context of the project and can present, discuss and bring in their own knowledge, needs, and expectations.

It is intended that the workshop will result in recommendations for policy advisers and decision makers of Member States of the region. In addition, research needs to cope with climate change will be identified.

**Specific objectives:**

* Reduce uncertainty through downscaling and customizing global climate change scenarios and to assess water availability and demand scenarios for the Andean region;
* Raise awareness and enhance capacities to assess, monitor and communicate the impacts of and responses to climate change on natural and socio-economic environments at local, national and regional levels;

* Develop strategies and policy guidelines considering vulnerabilities, opportunities and potentials for adaptation, with particular reference to strengthening the role of local communities;
* Facilitate and strengthen ongoing research activities in the region;
* Provide specialized education and training at the scientific and professional level and review and strengthen community education.

**Agenda**

***Monday, 28 May 2012:***

Arrival of international workshop participants in Lima, Peru

***Tuesday, 29 May 2012*:**

**8:30–9:00 hrs: Registration**

**Conference venue:**

**Nuevo Mundo Lima Hotel**

**Av. Pardo y Aliaga 300 San Isidro**

**Lima, Perú**

**Phone: (511) 6121000**

**9:00-10:30 hrs: *Opening Session:***

Chair: Ms. Thomas Schaaf, UNESCO

Opening remarks:

* Ms. Nilda Beatriz Anglarill, Head of UNESCO Office In Lima
* Mr. Rudy Herman, Representative of the Flemish Government of Belgium
* Ms. Amelia Diaz Pablo, President of National Service of Meteorology and Hydrology and National Representative of IHP- Peru
* Mr. Thomas Schaaf, MAB Programme, UNESCO
* Mr. Anil Mishra, IHP, UNESCO

**10:30-11:00 hrs: Coffee break**

**11:00-13:00 hrs *Session 1:******Regional/ international cooperation, partnerships and linkages: ongoing efforts***

**Chair: Mr. Anil Mishra**

**11:00-12:30 hrs: Presentations**

* Mr. Miguel Saravia – CONDESAN, Peru
* Mr. Bolívar Ernesto Cáceres Correa - GTNH-IHP, Ecuador
* Mr. Francisco Mendoza – FAO/ MPS
* Mr. Mathias Vuille, ACCION project, USA
* Mr. Lide Tian, TPI, China

**12:30-13:00 hrs: Discussion**

**13:00-14:30 hrs: Lunch**

**14:30- 16:30 hrs Session 2: *Regional/ international cooperation, partnerships and linkages: Ongoing efforts***

**Chair: Mr. Rudy Herman**

* Ms. Jocelyn Ostolaza, Swiss cooperation, Peru
* Mr. Jorge Recharte, TMI, Peru
* Mr. F. Javier Sánchez Gutierrez, Sierra Nevada Biosphere Reserve, Spain
* Sr. Anil Mishra, on behalf of IRD, Francia
* Mr. Pierre Pitte, IANIGLA, Argentina.

**16:30-16:45 hrs: Coffee break**

**16:45-17:45 hrs Session 3: Breakout sessions**

Group A: Climate impact assessment: snow, glacier, and water resources

Group B: Vulnerability assessment

Group C: Policy assessment

**Group A: Climate impact assessment: snow, glacier, and water resources**

Group A Moderator: Mr Bolívar Ernesto Cáceres Correa - GTNH-IHP - Ecuador

Rapporteur: Mr. Ricardo Jésus Gomez Lopez, GTNH-Peru

Mr. Mathias Vuille, ACCION, USA

The group will discuss ongoing activities related to snow glacier, ice and water resources research in Andean region undertaken by GTNH and other agencies in the region. The group will also discuss capacity building needs on glacier monitoring and mass balance and identify possible partnership on:

1. training workshop on climate trend analysis and downscaling of climate scenarios and;
2. field course on glacier monitoring and mass balance.

**Group B: *Vulnerability assessment in the Andean Region***

Group B moderator: Ms. Magali Garcia Cárdenas, Bolivia

Rapporteur: Mr. Jorge Recharte, MPI, Peru

Mr. Piero Caviglia Fuentes, Chile

The group will discuss and assess vulnerability and capacity across the region to establish a baseline and develop 3 - 5 recommendations, possibly along the following lines:

* Environmental and non-environmental drivers of vulnerability;
* key determinants of vulnerability and challenges for adaptive capacity;
* identification of land use changes and socio-economic conditions as a result of climate change;
* Identification of most vulnerable communities and groups.

**Group C: *Policy assessment in the Andean Region***

Group C moderator: Mr. Miguel Saravia, Perú

Rapporteur: Ms. Mercedes Meneses, Chile

Mr. Pierre Pitte, Argentina

The Group will discuss policy and national framework conditions and review future national strategies and their relevance to community and develop 3 - 5 key recommendations, possibly along the following lines:

* Review current and future national adaptation strategies and their

relevance to community level;

* Policy impact analysis and policy changes.
* Constraints for policy implementation
* Opportunities for policies at the national and regional levels

**Wednesday, 30May 2012**

**9:00-10:30 hrs (Continue: *Breakout Sessions)***

Group A: Climate impact assessment: snow, glacier, and water resources-

Group B: Vulnerability assessment

Group C: Policy assessment

**10:30-11:00 hrs: Coffee break**

**11:00-13:00 (Continue *Breakout sessions*):**

Group A: Climate impact assessment: snow, glacier, and water resources

Group B: Vulnerability assessment

Group C: Policy assessment

**13:00-14:30 Lunch**

**14:30-16:00 hrs: Plenary Session: Presentation of group discussions**

Chair: Mr. Thomas Schaaf

**Identification of 15 (max) key recommendations:**

Group A: Climate impact assessment: snow, glacier, and water resources : Mr. Bolívar Ernesto Cáceres Correa

Group B: Vulnerability assessment: Ms. Magali Garcia Cardenas

Group C: Policy assessment: Mr. Miguel Saravia

Discussions:

**16:00-16:45 Coffee break**

**16:45-17:45 hrs: The way forward**

Chair: Mr. Anil Mishra

**17:45 - 18:00 hrs: Closing Remarks**

Mr. Rudy Herman

Mr. Anil Mishra

Ms. Nilda Beatriz Aglarill, Head of UNESCO Office In Lima

Mr. Manuel Pulgar Vidal- Ministry of Environment of Peru