

International Workshop

# Water and air Challenges in the HKH under Climate and Environmental Change: opportunities using a Transdisciplinary approach

ICIMOD, Kathmandu, Nepal, November 7-9<sup>th</sup> 2014

**clisap**<sup>o</sup>

**Walker**   
INSTITUTE

 **University of  
Reading**

**ICIMOD**  


 **Universität Hamburg**  
DER FORSCHUNG | DER LEHRE | DER BILDUNG

# Background

- **clisap**<sup>o</sup> Workshop, Hamburg, October 2013:
  - Climate Change and Environmental Pressure: Adaptation and Resilience of Local Communities in the Hindu-Kush-Himalaya
- Special Issue in Earth System Dynamics  
<http://www.earth-system-dynamics.net>
  - European Geosciences Union
  - Gioli, Lucarini, Scheffran, Turner Eds.
  - Coming out in Mid 2015
  - IF 2.77



# Objectives

1. Understanding key issues of water risk, water resources, and water management, as well as the complex nexus between air quality and social and economic development, in the context of a changing climate in the HKH region
2. Building transdisciplinary knowledge on adaptation, human action and social interaction patterns under changing environmental conditions and resource availability: adaptive responses to vulnerability, mechanisms to strengthen livelihood and resilience.
3. Consolidating a cross-cutting network of scholars and setting the agenda for transdisciplinary project activities and educational/training exchange.
4. Definition of best practices in transdisciplinary research: preparation of research papers and of executive documents outlining proposals for priorities and challenges in research, policy, and governance related to the HKH.

# Programme

November 7<sup>th</sup>, morning (Nandadevi Hall, ICIMOD)

- **Block 1: Research gaps: how transdisciplinarity can help address scientific challenges in water resources for the HKH region**
  - Session 1: **Atmospheric Modelling and Remote Sensing in the HKH** (Chair: A. Turner)
  - Session 2: **Glaciers Dynamics and Hydrological Modelling** (Chair: V. Lucarini)

# Programme (cont.)

November 7<sup>th</sup>, afternoon

- **Block 2: Societal challenges: water risks and management, water in adaptation**
  - Session 3: **Water and Food Security** (Chair: E. Sharma)
  - Session 4: **Water in Adaptation** (Chair: G. Gioli)
- **Block 3: Open Discussion** (Chair: G. Gioli, G. Rasul)
- Dinner

# Programme (cont.)

November 8<sup>th</sup>

- Field trip to Kavre, Visit to springs and meeting with local communities

November 9<sup>th</sup>, morning (Everest Hall, ICIMOD)

- Discussion