

## **Climate and Cryosphere (CliC) Project Update: Snow, Glacier, and Climate Change Research**

Daqing Yang<sup>1</sup>, Konrad Steffen<sup>2</sup>

<sup>1</sup>*CliC International Project Office, NO-9296 Tromsø, Norway*

<sup>2</sup>*CIRES, University of Colorado, Boulder, CO 80309-0216, USA*

The Climate and Cryosphere (CliC) Project is a core project of the World Climate Research Programme (WCRP) and is co-sponsored by WCRP, SCAR (Scientific Committee for Antarctic Research) and IASC (International Committee for Antarctic Research). The principal goal of CliC is to assess and quantify the impacts that climatic variability and change have on components of the cryosphere and the consequences of these impacts for the climate system. To achieve its objectives, CliC coordinates international and regional projects, partners with other organizations in joint initiatives, and organizes panels and working groups to lead and coordinate advanced research aimed at closing identified gaps in scientific knowledge about climate and cryosphere. Snow cover and glacier changes in the Asian regions are important to regional climate, hydrology, water resources, and sea level changes. This presentation will provide an overview and update of recent developments of cold region hydrometeorology research activities within the CliC project and future challenges in snow, glacier, and climate change investigations.