



## Climate and Cryosphere (CliC) Project: update of integration and cross-cut activities

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The cryosphere is an important and dynamic component of the global climate system. The global cryosphere is changing rapidly, with changes in the Polar Regions receiving particular attention during the International Polar Year 2007-2008. 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. CliC has advanced significantly over the last several years, including in the areas of cold region hydrology. This presentation will provide an update of recent developments of cross-cut research themes and ongoing and planned activities, highlighting new projects and their results, interaction and collaboration with other international projects, and outlining the future direction of the CliC project.