



SEDIBUD

Sediment Budgets in Cold Environments

<http://www.geomorph.org/wg/wgsb.html>

The International Association of Geomorphologists (IAG) has endorsed a new working group called **SEDIBUD**. The primary aim of SEDIBUD is to provide an integrated quantitative analysis of **sediment transfers, nutrient fluxes and sediment budgets** across a range of key **cold environments**. Hence, the geographic scope of SEDIBUD comprises the **Arctic** and **Antarctic**, as well as **alpine regions** across the globe. A number of core SEDIBUD activities are integrated into and contribute to International Polar Year (IPY) programs supported by several countries.



The major focus of SEDIBUD is the impact on sediment transfer processes in response to a variety of **climate change** scenarios at a scale that incorporates sediment flux processes from source to sink. In order to perform a fully integrated study of source to sink sediment fluxes and sediment budgets in cold environments, SEDIBUD aims to analyse the key components of the sediment cycle, including: **weathering, fluvial transfers/transport, glacial sediment transfers, slope and mass movements, and sedimentation in lakes and coastal areas**. Bringing these different process systems into a single integrated study requires collaboration between a variety of specialists working on the respective subjects. SEDIBUD

plans to bring together both leading and young scientists in these fields, and create a unified approach that will take the research forward within the specific focus of climate change and the **impact of human activities on the Earth surface**.



The first SEDIBUD workshop was hosted by the Norwegian Geological Survey (NGU) and held in Trondheim, Norway, October 29-November 2, 2006. A **second workshop** will be held in **Abisko, Sweden in mid-September, 2007** and will provide an opportunity to develop coordinated plans, build the international network, and will include field excursions to key field research sites. Building on the success of the European Science Foundation (ESF) SEDIFLUX network, SEDIBUD plans to develop international participation and linkages through coordinated research activities and collaborative data analyses. We anticipate that this workshop will be an excellent opportunity to bring together **IPY** researchers with interests in the SEDIBUD program.

For more information on SEDIBUD activities and the 2nd workshop, please see www.geomorph.org/wg/wgsb.html or contact: Achim Beylich (achim.beylich@NGU.NO) or Scott Lamoureux (lamoureux@post.queensu.ca).