



## Working Group on *Sediment Budgets in Cold Environments*

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

### 1. SEDIBUD activities

#### 1.1. SEDIBUD Sixth Workshop, Zakopane, Poland, 3 – 11 September 2011



*In front of the Sienkiewiczówka residence in Zakopane (Photo G. Rachlewicz)*



*During the high Tatra excursion day, in front of the Czarny Lake (Photo G. Rachlewicz)*



*During the western Tatra excursion day, in the Chochołowska Valley (Photo A. Decaulne)*

The sixth SEDIBUD workshop was held at the foot of the Tatra Mountains, in Zakopane, Poland, from September 3rd to 11th, 2011, and hosted at the Sienkiewiczówka residence. The workshop was organized by G. Rachlewicz and Z. Zwoliński (Department of Geoecology and Geoinformation, Adam Mickiewicz University, Poznań) and Z. Rączkowska (Institute of Geography and Spatial Management of Polish Academy of Sciences, Branch in Kraków), with logistical support from the Association of Polish Geomorphologists and Adam Mickiewicz University.

The theme of the workshop was "Sedimentary fluxes dynamics in the changing mountain and polar environment: monitoring, record & consequences".

The workshop created interesting discussions among the 20 participants and included 11 oral presentations, 1 invited talk and 7 posters covering a wide range of different cold climate environments (Spitsbergen, Antarctica, Norway, Pyreneans, Austrian Alps, Quebec, etc).

A field excursion was included in the workshop, enabling the visit of active research sites in the high Tatra Mountains (field excursions were offered by Z. Rączkowska and A. Kotarba), focussing on sedimentary fluxes on experimental slopes.

The pre-conference excursion led to the Baltic Sea coast and to the field station Biała Góra, focussing on coastal erosion of the cliff formed by the Wolin frontal moraine and on the Gardno Lake experimental catchment. We also visited the facilities of the Poznań Geoecological Station in Storkowo, and the faculty of Geographical and Geological Science in Adam Mickiewicz University, Poznań.

The post-conference excursions offered the opportunity to discover the Western Tatra (field presentations by Z. Rączkowska, D. Wałach Wrońska and E. Płaczowska), the Tatra Massif from the Polish and Slovakian sides, and also from "inside" with the visit of the Demänovská ice cave.

#### 1.2. SEDIBUD website

The SEDIBUD website is frequently updated. Please visit

<http://www.geomorph.org/wg/wgsb.html> to find the latest information on SEDIBUD activities.



### 1.3. SEDIBUD key tasks

Defined SEDIBUD key tasks for the coming years include:

- The continued generation and compilation of comparable longer-term datasets on contemporary sedimentary fluxes and sediment yields from SEDIBUD key test sites worldwide

• The continued extension of the SEDIBUD metadata database with these datasets

- The testing of defined SEDIBUD hypotheses by using the datasets continuously compiled in the SEDIBUD metadata database

### 1.4. SEDIBUD publications

Special Issues:

- International Conference on Geomorphology, Melbourne, Australia, 2009: Special Volume to *Zeitschrift für Geomorphologie* – including papers from the Conference Sessions of the Working Groups Small Catchments and SEDIBUD (Eds A.A. Beylich & Z. Zwoliński) (in press)

- Fourth SEDIBUD Workshop in Kingston, Canada, 2009: Special Issue to *Earth Surface Processes and Landforms* (Eds J. F. Orwin & J. Warburton) (in review)

- Fifth SEDIBUD Workshop in Sauðárkrúkur, Iceland, 2010: Special Issue to *Geomorphology* (Eds A.A. Beylich, A. Decaulne & S.F. Lamoureux) (in review)

- Proposed Special Issue arising from the Sixth SEDIBUD Workshop, Zakopane, Poland

SEDIBUD paper:

- Planned SEDIBUD key paper with first inter-site comparisons and analyses of metadata (after March 2012)

### 1.5. Annual data from SEDIBUD key test sites

A call for annual data from SEDIBUD key test sites will be sent out in November 2011, with a deadline in March 2012. The collected data will be included in a multi-authored SEDIBUD key paper (see above).

Following the closing of this call the key test site database, the fact sheets volume and the key test site list will be updated.

### 1.6. SEDIBUD hypotheses

A revised version of the SEDIBUD hypotheses will be online after October 15, 2011, available at <http://www.geomorph.org/wg/wgsb.html>.

### 1.7. Seventh SEDIBUD Workshop

The seventh SEDIBUD Workshop will be organised in Loen / Nordfjord (Norway) in September 2012.



Lake Lovatnet, Nordfjord, where the Seventh SEDIBUD Workshop will take place in September 2012 (Photo A. Decaulne)

## 2. SEDIBUD and Young scientists



The existing links between SEDIBUD and APECS (Association of Polar Early Career Scientists) will be developed further, especially through the recently created APECS Sediment Budgets in Cold

Environments Working Group (M. Strzelecki).

Information on APECS activities can be found at: <http://www.apecs.is/>



### 3. Forthcoming relevant events

#### 3.1. IPY Conference in Montreal, Canada, April 22-27, 2012

SEDIBUD will be presented (oral or poster presentation) at the IPY Conference in Montreal, Canada, April 22-27, 2012 (S.F. Lamoureux).

#### 3.2. European Geosciences Union (EGU), General Assembly 2012, Vienna, Austria, 22-27 April 2012

The Geomorphology group will present a session on "Sedimentary source-to-sink fluxes and sediment budgets" (Convened by A.A. Beylich, F. Brardinoni, K.

Laute, S. Liermann), and several other sessions of interest for SEDIBUD Members, several of them organised by SEDIBUD Members.

The deadline for submission of abstracts is January 17, 2012. More information on EGU 2012 is available at: <http://meetingorganizer.copernicus.org/EGU2012/>

#### 3.3. I.A.G./A.I.G. International Conference on Geomorphology, Paris, France, August 2013

A Sediment Budgets session will be organised at the I.A.G./A.I.G. International Conference on Geomorphology

in Paris, France, August 2013 (Convened by A.A. Beylich & A. Decaulne). More information will be available soon.

### 4. Views of a SEDIBUD key test site



**Pasterze** key test site, Austria (Photos: Andreas Kellerer-Pirklbauer)

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You are kindly invited to send contributions related to SEDIBUD and Cold Environments to Dr. Armelle Decaulne, SEDIBUD Secretary ([armelle.sedibud@gmail.com](mailto:armelle.sedibud@gmail.com)) to be included in the coming SEDIBUD Newsletters