



I.A.G./A.I.G.
International Association of
Geomorphologists
*Association Internationale des
Géomorphologues*



COMMUNITY SURFACE
CSDMS
DYNAMICS MODELING SYSTEM

Working Group
on
Sediment Budgets in Cold Environments

SEDIBUD Ninth Newsletter

December 21st, 2010

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

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1. SEDIBUD activities since April 2010

1.1. SEDIBUD Fifth Workshop, Sauðárkrókur, Iceland, 19-25 September 2010

The fifth SEDIBUD workshop was held in the town of Sauðárkrókur, north Iceland, from September 19th to 25th, 2010, and hosted by the Natural Research Centre of Northwestern Iceland. It was organized by Þorsteinn Sæmundsson, Armelle Decaulne and Achim A. Beylich. The theme of the workshop, built on previous SEDIBUD workshops, was “*Qualitative and Quantitative Analysis of Sedimentary Fluxes and Budgets in Changing Cold Climate Environments: Field-Based Approaches and Monitoring*”.

The workshop provided interesting discussions for the 22 participants and included 18 oral presentations, 2 invited talks and 4 posters. The 2-day scientific meeting was followed by a 3-day field excursion that led us through different SEDIBUD Key-Test Sites located on north and eastern Iceland. Attendees enjoyed frequent soaks in geothermal pools, tours of local businesses, and an educational seminar at the “Beer Society”.

The selected contributions from the Fifth SEDIBUD Workshop will be published in a special issue of the journal *Geomorphology*, entitled “*Sedimentary fluxes and budgets in natural and anthropogenically modified landscapes – Effects of climate change and land-use change on geomorphic processes*”. Guest Editors are A.A. Beylich, A. Decaulne and S.F. Lamoureux. The firm deadline for submission of manuscripts is April 30, 2011.



The SEDIBUD Group in Hofsfós (photo: Armelle Decaulne)



The SEDIBUD Group in Góðafoss, Northern Iceland (photo: Armelle Decaulne)

1.2. SEDIBUD Website

The SEDIBUD website is frequently updated. Please visit <http://www.geomorph.org/wg/wgsb.html> to find the latest information. The SEDIBUD key test site database is currently updated and extended.

1.3. Call for SEDIBUD Data

A call for data from SEDIBUD key test sites will be prepared. The idea is to produce compilations of (i) annual meteorological, runoff and solute and sediment yield data and (ii) process rate data of slope processes, etc. for inter-site comparisons and first statistical analyses. It is the plan to produce SEDIBUD publications building on these data and data analyses.

In the same way, the Key Sites Fact Sheets volume will be updated and extended, and the SEDIBUD Key Test Site Database is continuously open for further updates.

1.4. Publication of Papers and Posters presented at the Third SEDIBUD Workshop in Boulder, Colorado, USA

Ten papers selected from the presentations from the Third SEDIBUD Workshop in Boulder, Colorado, are published in a Special Issue to *Geografiska Annaler*: Beylich A.A. and Lamoureux S.F. (Eds) (2010): Sedimentary Fluxes and Budgets in Changing Cold Environments: Quantitative Analysis and Scaling Issues. *Geografiska Annaler*, 92A (2), 149-296.

1.5. Publication of Papers and Posters presented at the Fourth SEDIBUD Workshop in Kingston, Canada

John F. Orwin and Jeff Warburton are Guest Editors of the Special Issue to *Earth Surface Processes and Landforms* entitled gathering selected papers from the Fourth SEDIBUD Workshop in Kingston, Canada, entitled "The geomorphic response of cold climate environments to perturbation: sediment budgets and beyond". Submitted papers are currently in review.

2. SEDIBUD and Young Scientists

Members of the SEDIBUD Steering Committee are happy to accept invitations for lectures at Summer Schools organised by young scientists. In addition, future SEDIBUD Workshops will be designed in a way that PhD Students can potentially receive ECTS credit points after participating in the workshop. This could help PhD Students to receive funding for participation in SEDIBUD Meetings and could attract more PhD Students to SEDIBUD Workshops.

Also, an APECS (Association of Early Career Scientists) Sediment Budgets Working Group has been created. Thanks to Matt Strzelecki for his efforts. Information can be found at the APECS website: (http://apecs.is/images/stories/newsletters/apecs_dec2010_newsletter.pdf).

3. Sixth SEDIBUD Workshop, Poland, September 2011

The next SEDIBUD Workshop will be held in Poland in September 2011. The Polish organisers will communicate with the SEDIBUD Steering Committee in advance and during the organisation of this event.

4. Forthcoming relevant conferences, workshops and sessions

4.1. European Geosciences Union (EGU), General Assembly 2011, Vienna, Austria, 3-8 April 2011

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 (cold regions geomorphology; climate change impacts on mountain slope dynamics; rockfalls, rockslides and rock avalanches; etc.).

The deadline for submission of abstracts is January 10, 2011

More information on EGU 2011 is available at <http://meetingorganizer.copernicus.org/EGU2011/>

4.2. Polar Worlds: Environmental and Social Sciences to Understand Observed Changes, Paris, France, 26-28 January 2011

The aim of this conference is to understand observed changes by crossing different scientific points of view, mixing geo- and ethno-science approaches, by combining several scientific communities within the same sessions (ethnology, anthropology, archaeology, geography, geomorphology, hydrology, glaciology, climatology, etc.). Three key sessions will be developed:

- (i) Environmental and social changes: certainties and uncertainties (climate; hydrosphere; cryosphere; lithosphere; biosphere; ecosystems; languages; cynegetic activities and travelling techniques; social organisation; public health).
- (ii) Responses to current mutations (political organisations; local authorities, partnerships, co-management; knowledge transmission; technological innovations; field observation methods; circulation of goods, people and information).
- (iii) Propositions and prospective approaches: resources, policies, challenges and land management (renewable and non-renewable natural resources exploitation; risks; politics and land management; geopolitics; maritime routes; tourism).

Further information are available at http://thema.univ-fcomte.fr/polarworlds-2011/accueil_en.html

5. Views of a SEDIBUD key test site



East Dabka key test site, India (Photos: Prakash Tiwari)

Next SEDIBUD Newsletter (2011A): April 2011

Achim A Beylich, Chair
Scott F. Lamoureux, Vice-Chair
Armelle Decaulne, Secretary

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