



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 Eighth Newsletter**

April 1<sup>st</sup>, 2010

**- 2010 A -**

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

# Contents

## **1. SEDIBUD activities since December 2009**

- 1.1. SEDIBUD Website
- 1.2. Publication of Papers and Posters presented at the Third SEDIBUD Workshop in Boulder, Colorado, USA
- 1.3. Publication of the Second Edition of the SEDIBUD Fact Sheets volume
- 1.4. SEDIBUD Publications Database

## **2. Fifth SEDIBUD Workshop, Sauðárkrókur, Iceland, 19-25 September 2010**

## **3. Forthcoming relevant conferences and sessions**

- 3.1. European Geosciences Union (EGU), General Assembly 2010, Vienna, Austria, 2-7 May 2010
- 3.2. IPY Oslo Science Conference (OSC), Norway, 8-12 June 2010
- 3.3. 3rd European Permafrost Conference (EUCOP III), Longyearbyen, Svalbard, Norway, 13-17 June 2010
- 3.4. Polar Worlds: Environmental and Social Sciences to Understand Observed Changes Ethnoscience for understanding observed changes, Paris, France, January 2011

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

# 1. SEDIBUD activities since December 2009

## 1.1. 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. Please find a Call for additional information for the SEDIBUD key test site database on the SEDIBUD website and send additional information on SEDIBUD key test sites to Katja Laute ([katja.laute@ngu.no](mailto:katja.laute@ngu.no)).

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

Selected 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), in press.

## 1.3. Publication of the Second Edition of the SEDIBUD Fact Sheets volume

The Second Edition of the SEDIBUD Fact Sheets volume, edited by Scott F. Lamoureux *et al.*, is currently in preparation and will present updated information on SEDIBUD Key Test Sites. Primary contacts for each Key Test Sites will be contacted soon for updated information on their field sites.

## 1.4. SEDIBUD Publications Database

A Database with SEDIBUD publications is currently in preparation (John F. Orwin).

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

John F. Orwin and Jeff Warburton have contacted ESPL regarding the submission of selected papers from the Fourth SEDIBUD Workshop in Kingston, Canada, to a Special Issue to *Earth Surface Processes and Landforms* entitled "The geomorphic response of cold climate environments to perturbation: sediment budgets and beyond". Stuart Lane and the Associate Editors at *Earth Surface Processes and Landforms* have approved a SEDIBUD Special Issue to be published towards the end of 2010.

Paper submissions begin May 1st and run through until June 15th. Submission is online via ESPLs Manuscript Central - authors will need to tick the box for Special Issue and put SEDIBUD in as a title. More detail on the submission process will be provided closer to the May 1st start date via email.

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

The fifth SEDIBUD workshop will be held in the town of Sauðárkrókur, North Iceland, from September the 19<sup>th</sup> to the 25<sup>th</sup>, 2010, in connection with the Natural Research Centre of Northwestern Iceland. The town, with 2800 inhabitants, is located along the coast on the western side of the Skagafjörður fjord. The fjord is one of the large fjords on the northern coast of Iceland, entering the North Atlantic Ocean. From the black sandy beaches of the fjord the islands of Drangey and Málmeý can be seen as mysterious outposts floating on the magical blue cold sea.

The theme of the workshop, built on previous SEDIBUD workshops, is "*Qualitative and Quantitative Analysis of Sedimentary Fluxes and Budgets in Changing Cold Climate Environments: Field-Based Approaches and Monitoring*".

The workshop will provide interesting discussions during the 2-day scientific meeting and during the extended field excursions (3 days).

### Schedule

*Sunday 19.09.10* - Arrival in Sauðárkrókur (transportation to Sauðárkrókur is not included in the fee). Note that schedule and seats in planes/buses to Sauðárkrókur are limited (flight information: [www.ernir.is](http://www.ernir.is) ; bus information: [www.bsi.is](http://www.bsi.is)). Welcome dinner together in the evening and overnight in Sauðárkrókur (Mikligarður Guesthouse).

*Monday 20.09.10* - Fieldtrip in the Skagafjörður fjord. We will visit the Almenningar landslide area, the Siglufjörður fjord and the Reykjaströnd SEDIBUD key test sites. Lunch on the site, and dinner in Sauðárkrókur. Overnight in Sauðárkrókur (Mikligarður Guesthouse).

*Tuesday 21.09.10* - Scientific Meeting in Sauðárkrókur, day 1: talks and poster presentations in the Mælifell building, close to the Natural Research Centre of Northwestern Iceland. Working groups session. Lunch and dinner in Sauðárkrókur. Overnight in Sauðárkrókur (Mikligarður Guesthouse).

*Wednesday 22.09.10* - Scientific Meeting in Sauðárkrókur, day 2: talks and poster presentations in the Mælifell building. Working groups session. Lunch and banquet dinner in Sauðárkrókur. Overnight in Sauðárkrókur (Mikligarður Guesthouse).

*Thursday 23.09.10* - Fieldtrip, day 1: from Sauðárkrókur to Egilsstaðir, in eastern Iceland. Stops in Akureyri, Fnjóskadalur Valley SEDIBUD key test sites, Goðafoss, Mývatn, Námaskarð, Möðrudalsöræfi... Overnight in Egilsstaðir.

*Friday 24.09.10* - Fieldtrip, day 2: Visit of the Austurdalur valley SEDIBUD Key Test Site, in Seyðisfjörður, and of the Borgarfjörður-Eystri (Hrafnadalur) SEDIBUD Key Test Site. Overnight in Egilsstaðir.

*Saturday 25.09.10* - Fieldtrip, day 3: Around Egilsstaðir, with a visit of the Kárahnjúkar Hydro Power, and the Lake Lagarfljót projects... End of the Workshop and departure from Egilsstaðir by plane to Reykjavík around 17:30 (plane tickets comprised in the excursion fees).

### **Scientific Meeting Registration**

The Scientific Meeting Registration fee covers accommodation in Sauðárkrókur, meals, local transportation (during the one-day excursion on Sept. 20), banquet dinner and social refreshments. Fees around €500 are estimated at the moment, depending on the number of participants.

### **3-day Excursion Registration**

The 3-day field trip will lead us towards the East Fjords of Iceland and will enable the visit of several SEDIBUD Key Test Sites. Its cost is estimated to €500, depending on the number of participants. The fees will cover accommodation, all meals and transportation (from Sauðárkrókur to Egilsstaðir and around, AND the plane ticket from Egilsstaðir to Reykjavík on Sept. 25).

### **Limited Funding for PhD Students**

A reduced rate will be applied for a limited number of PhD students to attend the Scientific Meeting. Interested PhD students are invited to apply for support by providing a motivation letter and a recommendation letter from their supervisor(s), in addition to their abstract(s) to [armelle.sedibud@gmail.com](mailto:armelle.sedibud@gmail.com). The motivation letter should state the research advancement, the relevance of the research within the SEDIBUD framework (and if the research is performed on one or more SEDIBUD Key Test Site), and the funding possibilities from other sources.

Deadline for application is **May 10<sup>th</sup>, 2010**.

### **Abstract submission**

Abstracts (1-2 pages of text, without illustration) must be submitted electronically (word attachment) to [armelle.sedibud@gmail.com](mailto:armelle.sedibud@gmail.com). Please indicate if you prefer presenting your work as a talk or a poster during the workshop.

### **Deadlines**

Expression of interest deadline is **May 10<sup>th</sup>, 2010**, by providing the title of your presentation.

**Abstract AND registration dead-deadline is June 16<sup>th</sup>, 2010.**

Further details will be provided to those expressing their willing to attend the workshop from May 10<sup>th</sup>, 2010, after we receive the expression of interest.

### **Local Organizers**

Þorsteinn Sæmundsson (Iceland)  
Armelle Decaulne (France)  
Achim A. Beylich (Norway)

### **Scientific Organizers**

Þorsteinn Sæmundsson  
Armelle Decaulne  
Achim A. Beylich  
Scott F. Lamoureux

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**In order to facilitate the workshop organization, we kindly request interested people to respect the given deadlines. We need to know the exact number of participants AND to receive the fee payments together with the abstracts by June 16<sup>th</sup>, 2010, to be able to negotiate the best prices for transportation and accommodation. For organizing reasons, abstracts not accompanied by fee payment will be removed from the program.**

Most of the members of the SEDIBUD working group will be occupied doing fieldwork during the summer time, as we will, so most of the organizing aspects of the workshop have to be done before the end of June 2010.

We thank you all in advance for your understanding of these logistical aspects, and we look forwards meeting you in Sauðárkrókur.

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*The town of Sauðárkrókur and the Reykjaströnd SEDIBUD Key Test Site (Photo: Armelle Decaulne)*

### **3. Forthcoming relevant conferences, workshops and sessions**

#### **3.1. European Geosciences Union (EGU), General Assembly 2010, Vienna, Austria, 2-7 May 2010**

The Geomorphology group will present a session on “Sediment fluxes and sediment budgets across space and time” (Convened by A.A. Beylich, K. Laute, F. Brardinoni, S. Liermann, J.-C. Otto and L. Schrott), and several other sessions of interest for SEDIBUD Members.

More information on EGU 2010 is available at <http://meetings.copernicus.org/egu2010/>

#### **3.2. IPY Oslo Science Conference (OSC), Norway, 8-12 June 2010**

The OSC focuses on “Polar Science - Global Impact”: The conference will demonstrate, strengthen, and extend the International Polar Year's accomplishments in science and outreach. The conference is an essential opportunity to display and explore the full breadth and implications of IPY activities. The international and interdisciplinary science conference will in particular highlight the global impact of the changes that have been observed in the Polar Regions.

SEDIBUD will be represented at this conference with an oral presentation.

More information on this conference can be found at: <http://www.ipy-osc.no/>

#### **3.3. 3rd European Permafrost Conference (EUCOP III), Longyearbyen, Svalbard, Norway, 13-17 June 2010**

The upcoming 3rd European Permafrost Conference (EUCOP III) to be held in Svalbard (13-17 June 2010) will be the next major event for the PYRN community. The general theme is announced to be the “Thermal state of frozen ground in a changing climate during IPY”. The session topics include the whole variety of permafrost research from “palaeoenvironmental reconstructions”, over “geohazards” to “extra terrestrial permafrost”.

Further information is available on the conference website: [www.eucop2010.no/Plannedsessions.htm](http://www.eucop2010.no/Plannedsessions.htm).

### 3.4. Polar Worlds: Environmental and Social Sciences to Understand Observed Changes, Paris, France, 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](http://thema.univ-fcomte.fr/polarworlds-2011/accueil_en.html)

## 4. Views of a SEDIBUD key test site



*Höfsjökull foreland key test site, Central North Iceland (Photos: Þorsteinn Sæmundsson)*

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*Next SEDIBUD Newsletter (2010 B): October 2010*

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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](mailto:armelle.sedibud@gmail.com)) to be included in the coming SEDIBUD Newsletters.