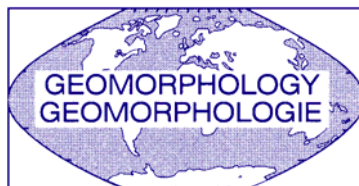


**IAG/AIG Regional Conference on Geomorphology
Geodiversity of polar landforms**

Longyearbyen, Spitsbergen, August 2-5, 2007

organised on occasion
of the **International Polar Year 2007/2008**



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Organisers

International Association of Geomorphologists
Association of Polish Geomorphologists
Adam Mickiewicz University, Poznan, Poland
Spitsbergen Science Forum, Longyearbyen, Norway
Geological Survey of Norway, Trondheim, Norway

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Aims

Polar studies are an important current of geomorphological research in the circumpolar regions of the northern and southern hemispheres as well as high-mountain zones at a variety of latitudes. The vast landscape zones of the Siberian, European and North-American Arctic as well as the spatially limited landscape zone of the Antarctic embrace terrestrial geoecosystems especially sensitive to the global changes observed currently. IPY 2007/08 is a good reason to get interested in the polar regions of the Earth, to undertake research in glacial, periglacial and paraglacial areas important from a scientific, a methodological and a utilitarian point of view, and to sum up the multi-year studies conducted to date by national and international teams. The last reason prompted Polish geomorphologists to propose an organisation of a conference in Spitsbergen in August 2007. The initiative has been accepted by the Council of IAG.

The Svalbard Archipelago offers a unique opportunity of studying the current state of present-day glaciers and their response to global climate change and a multi-directional human impact. Spitsbergen is an area of international interdisciplinary research on contemporary glaciated regions based on year-round monitoring of selected elements of the polar environment and highly intensive geomorphological, glaciological, geological and ecological studies carried out during the polar summer. A regional meeting in Spitsbergen will provide a good occasion for researchers to get directly acquainted with the scale of present-day landscape change.

Call for papers

The conference will be held in Longyearbyen, the capital of the Svalbard Archipelago. It will offer an opportunity to present the geomorphological aspects of the status and behaviour of glaciers and their foreland not only in the polar regions of the northern and southern hemispheres, but also in various parts of the world. You are kindly invited to submit abstracts of papers and posters covering the following topics:

- a) Glacial geomorphology,
- b) Periglacial geomorphology,
- c) Paraglacial geomorphology,
- d) Arctic geomorphology,
- e) Antarctic geomorphology,
- f) Climate change and evolution of polar landforms,
- g) Man and polar geomorphology,
- h) Remote sensing in polar geomorphology,
- i) GIS in polar geomorphology.

Other topics are possible. We are waiting for suggestion.

Registration forms must be send to:

Agata Buchwal MSc. – Poland
e-mail: kamzik@amu.edu.pl
phone: +48-61 8296175, fax: +48-61 8296271

CONFERENCE AGENDA

August 1, 2007

Registration
Ice breaker

August 2, 2007

Registration
Opening ceremony
Paper session/s
 Paper = 15 min + 5 min for discussion.
Poster session
Conference dinner – 50 Euro

August 3, 2007

Paper session/s
 Paper = 15 min + 5 min for discussion.
Plenary session
Polar Barbeque – 80 Euro

August 4, 2007

One-day field trips
Informal meeting of national delegates

August 5, 2007

Day of special seminars of IAG/AIG working groups – sessions are for all participants not only for members of IAG/AIG Working Groups:

- 1) Seminar of IAG/AIG Working Group on Applied Geomorphological Mapping – AppGeMa,
- 2) Seminar of IAG/AIG Working Group on Geomorphological hazards,
- 3) Seminar of IAG/AIG Working Group on Geomorphology and Global Environmental Change,
- 4) Seminar of IAG/AIG Working Group on Geomorphosites: research, assessment and improvement will chair a topical session on the theme *Managing geomorphosites in fragile environments*. The focus of the session will be on:
 - a) Geomorphosites in polar regions
 - b) Managing active geomorphosites in a context of climatic change
 - c) Geomorphosite assessment and mapping methods
 - d) Geomorphosites as tourist resource
- 5) Seminar of IAG/AIG Working Group on Human Impact on the Landscape (HILS),
- 6) Seminar *Large Rivers in Cold Climates* of IAG/AIG Working Group on Large rivers is highlighted headwaters in the high mountains anywhere and the major Panarctic rivers of the world flowing to the Arctic Ocean,
- 7) Seminar of IAG/AIG Working Group on Sediment Budgets in Cold Environments SEDIBUD, SEDIFLUX group and DYNACOLD group; the seminar has a focus on Sediment Budgets in Permafrost Regions.

Closing session
Informal meeting of all participants (polar movies and slides)

Pre-conference field trips

- A. *Formation and remodelling of marginal zones for selected Spitsbergen glaciers* – Excursion will visit marginal zones of Waldemarbreen, Elise and Avatsmark (Kaffioyra), Scottbreen and Renardbreen (Bellsund) as well as Ebbabreen (Billefjorden). The excursion will examine different types of deglaciation during last 10 000 years

July 30-August 1, 2007 - Leader: Dr. P.Glowacki with Prof. L.Kasprzak, Dr. I.Sobota, Dr. P.Zagorski - ship SSB Horyzont - 750 € - participants 20

Check-in on board at 1:00 am in night on July 29/30; check-out in night on August 1/2; hour is depend on weather conditions

- B. *Paraglacial landforms of Isfjorden* – Excursion will visit different places in Isfjorden for slope, fluvial and periglacial landforms. The main topic of excursion will be focused on morphogenetic variability in spatial pattern. Sediment flux between different morphosystems will be demonstrated during excursion

July 30-August 1, 2007 - Leader: Dr. G.Rachlewicz - ship MS Langoyssund - 750 € - participants 70

Check-in on board at 8:00 am each day; check-out in evening each day; hour is depend on weather conditions; participants must reserve hotel in Longyearbyen during this trip for nights: July 30/31, July 31/August 1

August 4, 2007

One-day field trips - each 100 €

- C. *Adventdalen* – postglacial and paraglacial landforms
D. *Longyearbreen* – glacial and postglacial landforms
E. *Tempelfjorden and Barentsburg* – paraglacial landforms and anthropogenic landforms connected with mining and settlement
F. *Nordenskioldbreen and Piramiden* – glacial and glacial marine landforms as well as anthropogenic landforms connected with mining and settlement

Beginning of all trips at 8:00

Post-conference field trips

- G. *Formation and remodelling of marginal zones for selected Spitsbergen glaciers* – Excursion will visit marginal zones of Waldemarbreen, Elise and Avatsmark (Kaffioyra), Scottbreen and Renardbreen (Bellsund), Ebbabreen (Billefjorden) as well as Hansbreen at Polish Polar Station Hornsund. The excursion will examine different types of deglaciation during last 10 000 years

August 6-10, 2007 - Leader: Dr. P.Glowacki with Prof. J.Jania, Prof. L.Kasprzak, Dr. I.Sobota, Dr. P.Zagorski - ship SSB Horyzont - 1000 € - participants 20

Check-in on board at 1:00 am in night on August 5/6; check-out at 8:00 am on August 11; exact hour is depend on weather conditions

- H. *Paraglacial landforms of Isfjorden* – Excursion will visit different places in Isfjorden for slope, fluvial and periglacial landforms. The main topic of excursion will be focused on morphogenetic variability in spatial pattern. Sediment flux between different morphosystems will be demonstrated during excursion

August 6-8, 2007 - Leader: Dr. G.Rachlewicz - ship MS Langoyssund - 750 € - participants 70

Check-in on board at 8:00 am each day; check-out in evening each day; hour is depend on weather conditions; participants must reserve hotel in Longyearbyen during this trip for nights: August 6/7, 7/8

August 5, 2007 - Workshop for young geomorphologists

Methods in investigation of polar areas, especially in glaciated and non-glaciated catchments; exact date depends on the number of participants; fees: 50 €

IAG/AIG Grants

The IAG/AIG founded 2 grants of 1000 € each for young geomorphologists from non-EU Eastern European countries, partially covered the expenses of participation. Grant applications should be send to prof. Mauro Soldati (soldati@unimore.it).

Photo competition

Submit by snail mail your hardcopies of polar photo and by e-mail – digital polar photos to Adam Nawrot (nawrot@amu.edu.pl). Exhibition of submitted photos will be open to public during the whole conference days. In last day on August 5, 2007 jury will choose laureates.

Logistics; access to Spitsbergen

From Oslo and Tromso (both in Norway) to Longyearbyen are regular flights by only one airlines Brathenss. Each participant must reserve flights themselves. So, first choose field trip/trips, next decide about nights, reserve flight in your tour agent (don't buy it! – We inform you on the beginning of March 2007), and finally decide about other activities during conference.

Registration fees

Full participant - 500 €
Accompanying person - 300 €
Students - 200 €

Bank account

BANK ZACHODNI WBK S.A., Branch 3 Poznan, Sw. Marcin 81, 61-808 Poznan
PL 45 1090 1359 0000 0001 0628 7890
CODE SWIFT: WBKPPLPPXXX

Important dates

Hotel reservation and payment of deposit – January 31, 2007
Registration – February 15, 2007
Payment of registration fees, and field trips – February 15, 2007
Submission of IAG/AIG grant applications – February 28, 2007
Abstract submission – March 30, 2007

Venue

Longyearbyen is the administrative center of Svalbard Archipelago, an Arctic territory governed by Norway which largest island -Spitsbergen- is a paradise for polar researchers, nature lovers, wilderness trekkers, reindeer, and polar bears. Longyearbyen is located in Adventfjord, an inlet where the Advent River meets the Isfjord or "Ice Fiord" on the western coast of Spitsbergen. The town lies at latitude of 78° N, 966 km from the North Pole. Longyearbyen is also the world's northernmost municipality, with a population of about 2000 and more amenities than you might expect in such a remote location. Thanks to the Gulf Stream, which warms the western coastline of Spitsbergen, Longyearbyen has a relatively mild climate for a town that's closer to the North Pole than to the Arctic Circle. The average daily temperature in July is 6° C. In January, Longyearbyen averages a toasty -16° C, though winds can make it feel colder. Scientists, tourist guides, miners, administrators, and other residents come from more than 30 countries, and though Norwegian is the official language, English is widely understood.

The University Centre in Svalbard (UNIS, established in 1993), where the conference will take place, is the world's northernmost higher education institution. UNIS offers high quality courses at the undergraduate, graduate and postgraduate levels. UNIS provides university level education in Arctic studies, to carry out high quality research, and to contribute to the development of Svalbard as an international research platform. UNIS' geographical position gives it a unique advantage, enabling students and faculty members to use nature as a laboratory, arena for observation and data collection.

Accommodation

Feel free to choose any room until January 31, 2007

All prices are for room per night

Radisson SAS Polar Hotel Spitsbergen
Double room incl. breakfast = 1370 NOK

Spitsbergen Guesthouse
Double room incl. breakfast = 850 NOK

Mary-Anns Polarrigg Hotel
Single room = 595 NOK
Double room = 850 NOK
Luxusriggen = 2000 NOK
Luxusriggen for 4 persons = 2700 NOK
All prices are without breakfast.

Camping (own tent) – polar bears danger – not recommended

REGISTRATION FORM

YES, I HAVE RESERVED A FLIGHT TICKET FROM OSLO/TROMSO TO LONGYEARBYEN
If you haven't reservation for a flight from Oslo/Tromso to Longyearbyen don't fill-in this registration form

Sure name: _____ First name: _____

Affiliation: _____

Address: _____

e-mail: _____

Phone: _____ Fax: _____

I will submit a paper: _____

for session: _____

and/or poster: _____

for session: _____

I will participate in a seminar of IAG/AIG:

1 2 3 4 5 6 7

I will submit a paper: _____

for seminar: _____

and/or poster: _____

for seminar: _____

I reserve a ticket for:

Ice breaker Conference dinner Polar Barbeque Informal meeting

I reserve a place for field trips:

First choice:

A B C D E F G H

Second choice:

A B C D E F G H

I reserve accommodation in:

Radisson SAS Polar Hotel Spitsbergen

Double room

Spitsbergen Guesthouse

Double room

Mary-Anns Polarrigg Hotel

Single room Double room Luxusriggen Luxusriggen for 4 pers.

for nights:

July 28, 29, 30, 31, August 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

Additional nights: _____

I will pay for registration, excursion and hotel fees until February 15, 2007!

Date

Signature

Send Registration Form until February 15, 2007 to:

Agata Buchwal MSc.

Institute of Paleogeography and Geoecology

Adam Mickiewicz University

Dziegielowa 27, 61-680 Poznan, Poland

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e-mail: kamzik@amu.edu.pl