












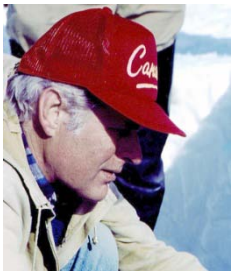
Participants of the SSF Svalbard geology workshop, 27-29 Apr 2011:**"Environmental changes in Svalbard since the last glacial maximum - integrating marine and terrestrial records"**

Name	Contact:	Research interests
 <p>Ólafur Ingólfsson</p>	<p>University of Iceland, Faculty of Earth Sciences Sturlugata 7 Is-101 Reykjavík, Iceland. e-mail: oi@hi.is www.hi.is/~oi</p> <p>(Also: adjunct professor at UNIS)</p>	<p>My research interests concern the Late Quaternary environmental (glacial, climate and sea level) history of the Svalbard-Barents Sea region. Currently I am working with the natural history of the polar bear and last glacial cycle on Svalbard. Primary target for future research: Kongsøya, Kong Karls Land.</p>
 <p>Eiliv Larsen</p>	<p>Geological Survey of Norway (NGU) P.O. Box 6315 Sluppen Leiv Eirikssons vei 39 NO-7491 Trondheim Norway e-mail: Eiliv.Larsen@NGU.NO www.ngu.no</p>	<p>My main research interests are past northern hemisphere glaciations, climate- and sea-level variations, and cold-climate sedimentary systems. My research contributes to the following questions:</p> <ul style="list-style-type: none"> - What are the influences of different elements of ice sheets on landscape formation/evolution? - What are and what govern dynamic differences in continental versus maritime parts of ice sheets? - What natural factors govern the development of arctic coastal sedimentary systems, and how might these systems be influenced by human activity? <p>At present I am involved in a project in Braganzavågen, Svalbard on tidally influenced sedimentation in the embayment, and a project in south Norway dealing with the interaction between the Norwegian Channel ice stream and terrestrial ice.</p>

 <p>Marek Zajaczkowski</p>	<p>Department of Marine Ecology Institute of Oceanology Polish Academy of Sciences 55 Powstancow Warszawy Str. 81-712 Sopot, Poland e-mail: trapper@iopan.gda.pl http://www.iopan.gda.pl/</p>	<p>I have expertise in Arctic fjords systems science, reflecting an education in the field of geography, oceanography and sedimentology. One of my interests is the modern processes of sedimentation, interaction between fresh and sea water and supply of terrigenous matter to the fjords with applications to Holocene climate changes study. Since the science is the team effort, and I work in the Department of Marine Ecology IOPAS, I also study biological implications on the solids fluxes in water column and the bottom sediments. My recent interest is paleoceanographical record of the sea environmental changes, where as the main proxy I use foraminifera and stable isotopes.</p>
 <p>Witold Szczuciński</p>	<p>Institute of Geology, Adam Mickiewicz University Maków Polnych 16, 61-606 Poznań, Poland e-mail: witek@amu.edu.pl http://www.amu.edu.pl/</p>	<p>I am sedimentologists and geochemists mainly interested in quantification of modern sedimentary processes (applications of radioisotopes: ^{210}Pb, ^{137}Cs, sediment traps) in glacial, coastal and shelf environments, in sedimentary record of environmental changes and land-sea interactions and fluxes. Moreover I work in the field of natural hazards – in particular on impacts of tsunami waves.</p>

 <p>Anne Hormes</p>	<p>The University Centre in Svalbard (UNIS) Dept. of Arctic Geology P.O.Box 156 N-9171 Longyearbyen Norway e-mail: Anne.Hormes@unis.no www.unis.no</p>	<p>My research efforts concentrate on the application of physical dating methods to palaeoclimate archives and on building high-precision geochronology for the Late Quaternary. The rationale of the Icebound Project is to obtain a more complete understanding of former ice sheet geometry on Svalbard (www.icebound.no). An integrated approach using field mapping and sampling, remote sensing and analysis of cosmogenic nuclide dating (^{10}Be and ^{26}Al) on erratic boulders and bedrock is used for the ice sheet reconstruction. The NSINK project is a Marie Curie Initial Training Network on “Sources, sinks and impacts of atmospheric nitrogen deposition in the Arctic”. In the last two years Anne Hormes has lead preliminary studies on geohazards in the surroundings of cultural heritage sites on Svalbard in close collaboration with the Governor of Svalbard.</p>
 <p>Sergei Korsun</p>	<p>Shirshov Institute of Oceanology, 36, Nahimovski prospect, Moscow, 117997 Russia e-mail: s_korsun@mail.ru http://www.ocean.ru/eng/</p>	<p>Recent and past foraminifera; palaeo-environments; palaeo-oceanography, stratigraphy</p>
 <p>Maria Jensen</p>	<p>The University Centre in Svalbard (UNIS) Dept. of Arctic Geology P.O.Box 156 N-9171 Longyearbyen Norway e-mail: maria.jensen@unis.no www.unis.no</p>	<p>Research Projects: SciencePub - an International Polar Year project: GlaciPet: (Subsidence, uplift, and tilting of traps - the influence on petroleum systems) Carbon capture and storage (CSS) & the Longyearbyen CO₂ Lab</p>

 <p>Maarten Prins</p>	<p>Department of Earth Sciences Faculty of Earth and Life Sciences VU University Amsterdam De Boelelaan 1085 1081 HV Amsterdam The Netherlands e-mail: maarten.prins@falw.vu.nl http://www.falw.vu.nl http://www.geo.vu.nl/~prim</p>	<p>I am a sedimentologist with research focus on the impact of Late Quaternary climate changes on various sedimentary systems. Most attention is directed towards marine sedimentary systems (e.g., glacio-marine systems), but also includes selected terrestrial sedimentary systems (mainly loess-paleosol sequences). My main interest is the inversion ('end-member modelling') of sediment grain-size distribution data and its application to paleoclimatology and paleoceanography.</p>
 <p>Osip Kokin</p>	<p>Murmansk marine biological institute (MMBI), Kola science center, Russian Academy of Sciences (KSC RAS), Department of Geology and Geodynamics, Vladimirskaya st., 17, Murmansk, 183010, Russia e-mail: osip_kokin@mail.ru http://www.mmbi.info/eng/</p>	<p>My research interests: geomorphology of Arctic shelf and adjoining lands, mechanisms of glacial landforms and sediments formation, glacial history of polar regions. My present work involve investigations of Gron-fjord area geomorphology in Svalbard, structure of marginal zones of Gronfjord and Aldegonda glaciers, estimation of sediment input in Gron-fjord due to glacier melting, reconstruction of Gron-fjord's glacial history in Holocene, landforms formation by surging glaciers.</p>
 <p>Julian Dowdeswell</p>	<p>Scott Polar Research Institute, University of Cambridge, Lensfield Road Cambridge CB2 1ER England e-mail: jd16@cam.ac.uk www.spri.cam.ac.uk</p>	<p>Current and recent research projects:</p> <ul style="list-style-type: none"> • Geophysical and Geological Investigations of Sedimentation and Ice-Ocean Variability on Arctic Continental Margins • Glacial-interglacial changes in the lost drainage basin of the West Antarctic • Ice-Rafted Debris on the Antarctic Continental Margin and the Dynamics of the Antarctic Ice Sheet • INTEGRAL • Marine geological processes and sediments beneath floating ice shelves in Greenland and Antarctica: investigations using the Autosub AUV • Spaceborne measurements of Arctic glaciers and implications for sea-level change

 <p>Mike Retelle</p>	<p>Department of Geology Bates College Lewiston, Maine USA e-mail: mretelle@bates.edu http://www.bates.edu/</p>	<p>Mike is a glacial and Quaternary geologist. In addition to his work in Linnedalen, Svalbard with the Svalbard REU ,his current research projects include studies of glacial geology, coastal processes and varved lake sediments in Maine, lacustrine deposits in the Shetland Islands, sea level history, lake sediments and sclerochronology in northern Finnmark.</p>
 <p>Jon Landvik</p>	<p>Norwegian University of Life Sciences (UMB) Dept. of Plant and Environmental Sciences, P.O. Box 5003 1432 Ås Norway e-mail: jon.landvik@umb.no http://www.umb.no/</p>	<p>Quaternary stratigraphy and paleoenvironments, Scandinavia, Svalbard, Greenland. Ice sheet history and dynamics</p>
 <p>Bernd Etzelmüller</p>	<p>University of Oslo Department of Geosciences P.O. Box 1047, Blindern N - 0316 Oslo, Norway e-mail: bernd.etzelmuller@geo.uio.no http://www.mn.uio.no/geo/</p>	<p>Work at present: 1. Numerical modelling and monitoring of permafrost distribution in Norway, Iceland and Svalbard. 2. Relation between ground thermal regime and landform/landscape-forming processes (glacier, periglacial and slope environments) in northern mountain and Arctic environments under past and future climate conditions.</p>
 <p>Rein Vaikmäe</p>	<p>Institute of Geology, Tallinn University of Technology Ehitajate tee 5, 19086, Tallinn, Estonia e-mail: rein.vaikmae@ttu.ee http://www.ttu.ee/en</p>	<p>Main research interests: isotope-paleoclimatology (Study objects: ice cores, paleowaters (subglacial meltwater), permafrost and ground ice). Current research projects: -Application of isotopic and geochemical indicators in studies of global climate and environmental changes (Targeted financed project of the Estonian Ministry of education and Research). - Sensitivity of Svalbard glaciers to climate change (SvalGlac) : an ESF ERA-Net project of PolarClimate Programme</p>

 Seija Kultti	Department of Geosciences and geography, Division of Geology University of Helsinki P.O.Box 64 FIN-00014 Helsinki Finland e-mail: seija.kultti@helsinki.fi http://www.helsinki.fi/university/	Research activities: Holocene paleoclimatology (Arctic Russia, Finnish Lapland, and Svalbard). Shoreline displacement in Nordauslandet.
 Helena Alexanderson	Department of Earth and Environmental Sciences Lund University Sölvegatan 12 SE-223 62 Lund Sweden e-mail: helena.alexanderson@geol.lu.se http://www.geol.lu.se/	Quaternary glacial geology and geochronology in the Arctic and in Scandinavia: ice extent and ice dynamics in space and time, timing and environments of interglacials, interstadials and the last deglaciation
 Simon Troelstra	Faculty of Earth- and Life Sciences, section Marine Biogeology VU University Amsterdam de Boelelaan 1085, 1081HV Amsterdam, the Netherlands e-mail: simon.troelstra@falw.vu.nl weblog: http://www.pooljaar.nl/verleden for IPY video's IPY NORCLIM: http://www.ipy.nl/nwohome.nsf/pages/NWO	My research (together with Maarten Prins) in the Arctic involves the analysis of marine cores from Greenland and Svalbard (sedimentology, foraminifera, stable oxygen and carbon isotopes) In addition my interest is focused on the climatic/environmental information stored in the shells of bivalves, in particular Mya truncata. A pilot study is carried out on material collected in 2010 from raised terraces around Ny Alesund. Results may provide detailed information on seasonal variation following the last deglaciation.
 Jostein Bakke	University of Bergen Department of Earth Science Allégaten 41 5020 Bergen Norway e-mail: Jostein.Bakke@geog.uib.no http://www.uib.no/en	Jostein Bakke (JB) is Dr. scient (PHD) in Physical Geography from Department of Geography at University of Bergen. JB has research experience in quaternary geology, physical geography, glacial history, palaeoclimatology, geomorphology, and lake sediments in Norway, Russia, the European Alps and South Georgia. From 1 of June 2011 JB will lead SHIFTS, a project studying inter-hemispheric climate linkages in a palaeo-perspective.

 <p>Matthias Forwick</p>	<p>Department of Geology Faculty of Science and Technology University of Tromsø (UiT) N-9037 Tromsø Norway e-mail: matthias.forwick@uit.no www.uit.no</p>	<p>My work focuses mostly on the investigation of sedimentary processes and palaeo-environments on glaciated continental margins, based on the analyses of swath-bathymetry and high-resolution seismic data, as well as sediment cores from from Spitsbergen fjords, and the continental slopes and deep-sea environments off northern Norway and western Spitsbergen. It includes the reconstruction of glacial activity (advances and retreats of glacier fronts in fjords; ice rafting by sea-ice and/or icebergs; reconstruction of onshore glacier fluctuations), the investigation of sedimentary processes in glacier-proximal and -distal environments, the slope stability in fjords and continental slopes, as well as the investigation of deep-sea turbidites.</p>
 <p>Dorthe Klitgaard Kristensen</p>	<p>Norwegian Polar Institute Fram Centre N-9296 Tromsø Norway e-mail: dorthe.klitgaard@npolar.no www.npolar.no</p>	<p>Scientific interest: Marine proxy development using benthic foraminifera focusing on the Arctic. Using sedimentologic and biogenic proxies to reconstruct the paleoenvironment and paleoclimate during the past 17,000 cal yr BP in the Arctic with focus on marine areas around Svalbard.</p>
 <p>Grzegorz Rachlewicz</p>	<p>Adam Mickiewicz University ul. Wieniawskiego 1 61-712 Poznań Poland grzera@amu.edu.pl http://www.amu.edu.pl/</p>	<p>I am a geomorphologist working on Quaternary palaeogeography and glacial geology. My main research interests in Svalbard are concentrated on terrestrial sediment fluxes in relation to contemporary environmental changes.</p>

 <p>Riko Noormets</p>	<p>The University Centre in Svalbard (UNIS) P.O.Box 156, N-9171 Longyearbyen Svalbard (Norway) e-mail: rikon@unis.no www.unis.no</p>	<p>My research interests are in Quaternary glacial marine geology and geophysics with focus on:</p> <ol style="list-style-type: none"> 1. Reconstructing the extent and dynamics of the former Svalbard-Barents Sea Ice Sheet; 2. Glacial marine sedimentary processes on the high latitude continental margins and at tidewater glacier margins in Svalbard and West Antarctica; 3. Holocene environmental change on Svalbard; 4. Offshore gas hydrates and the impact of seabed gas/fluid seeps on the marine environment.
 <p>Marzena Kaczmarska</p>	<p>Svalbard Science Forum (Research Council of Norway) Svalbard Science Centre P.O.Box 506 N-9171 Longyearbyen Norway e-mail: post@svabardscienceforum.no www.svalbardscienceforum.no</p>	<p>I am the workshop coordinator. I work with project management, and coordination of research through organization of meetings and workshops, collecting and dissemination of information, outreach and networking.</p>