

ARCTIC CENTRE ANNUAL REPORT 2008 – 2009



20 years of Arctic research and science communications

"Today, the Arctic Centre forms a unique entity, which offers a physical place where senior and young researchers, doctoral students, producers, planners, artists, and communicators collaborate. The key motivation for this work is that sustainable development and wellbeing of the Arctic can be best promoted by sound knowledge and comprehensive awareness."

Director Paula Kankaanpää at the Arctic Centre's 20th Anniversary at the end of September 2009.

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Arctic Centre's research 2008 - 2009

Arctic Centre's research projects' field work was carried out across the Arctic during the years 2008 - 2009. Multidisciplinary research covered a wide range of topics from who owns the Arctic ocean to local relevance of climate change. At the research staff there were even 12 nationalities at the same time.

The Arctic Centre's research focuses on three main themes: global change, sustainable development, and environmental and minority law. Each theme group is lead by a research professor and includes a multidisciplinary team of researchers.

Examples of the Arctic Centre's research topics 2008 - 2009:

- Assessing senses of place, mobility and viability in industrial northern communities (BOREAS - MOVE INNOCOM)
- Reindeer Forage and Supplementary Feeding in a Changing Climate
- Mining Law
- Transatlantic Policy Options for Supporting Adaptations in the Marine Arctic (TRANSFORM)
- Community adaptation and vulnerability in Arctic regions
- Change and variability of Arctic Systems. Nordaustlandet, Svalbard (KINNVIKA)



Arctic Science Centre Exhibition 2008 - 2009

The Science Centre Exhibition at the Arktikum House presents the Arctic with its beautiful nature and various indigenous cultures through an interactive and scientific based approach. More than 70 000

persons visit the [Arktikum House](#) in Rovaniemi each year, half of them visitors from abroad.

The new "Arctic in Change" permanent exhibition was opened in April 2007. The development of the new exhibition continued also during the years 2008 - 2009. Temporary exhibitions (list below) are displayed in the Arktikum hall and in the temporary exhibition hall next to the science centre exhibition.

In December 2008 the first Arctic Market Days was held in the Arktikum hall and in Aurora conference room. The successful handicraft market got a continuation in December 2009 with about 2500 visitors.



Ongoing projects 2008 - 2009

ACCENT - Action on Climate Change through Engagement, Networks and Tools

Message: Do you commit to action on climate change? I DO

"I do" is the message of the ACCENT project, which coordinates a European action on climate change, engaging the public inside and outside of science centres and museums across Europe throughout 2010.

Arctic Centre is responsible for gathering and systematizing the best practices on how to communicate climate change related issues to the general public. These best practices are based on first hand experiences from the project partners. In addition, Arctic Centre is also responsible for establishing a scientific board for the Accent project and consulting the board regarding climate change related issues.

Happenings 2009

The kickoff meeting of the Accent project was arranged between 15 - 18.4.2009 in Naples, Italy. The second meeting was arranged between 9 - 11.9.2009 in Arctic Centre in Rovaniemi, Finland. During the meeting, the content and format of the different climate change activities to take place 2010 were discussed. The logo and message of the project was also revealed during the meeting. Arctic Centre also presented the best practises on how to communicate climate change. In addition, the official launch event in Experimentarium, Copenhagen, was planned as well as a supporting side-event during the COP15 in December 2009.

The Scientific Board of the Accent project gathered the 22.11.2009 at the science centre Heureka in Vantaa, Finland. Each board member gave a presentation of their view on climate change and also gave advice on possible themes for the Accent project partners to communicate to their audience.

The Accent project's launch event took place 14.12.2009 in the science centre Experimentarium, Copenhagen, Denmark. During the event, the logo "I do" was launched. Professionals in science communication came together from across Europe and beyond to the Experimentarium to discuss public engagement in climate change issues. The Accent project also held a side-event at the COP15 conference centre, the Bella Centre. In addition, Arctic Centre also promoted the Accent project at the Arctic Pavilion.

Science Centre exhibitions 2008

Permanent "Arctic in Change" science exhibition

The Finnish Nature Photograph of the Year 2007 competition's winning pictures exhibition
18.1.2008 - 16.2.2008

Sámi Duodji - Exhibition on Sámi Handicrafts
06.09.2008 - 11.01.2009

Science Centre exhibitions 2009

Permanent "Arctic in Change" science exhibition

Sámi Duodji - Exhibition on Sámi Handicrafts
06.09.2008 - 11.01.2009

Environmental art project "Jäähähtuva" (Ice flake) designed by student Veera Vitikka from Textile and Clothing Design degree program, University of Lapland and realized together with the Arctic Centre's Science Exhibition. The work of art was presented in front of the Arktikum house starting from 17th February 2009 until the snows melted.

Finnish Soundscapes art exhibition by Suomen Akustisen Ekologian Seura ry and Tampere University of Applied Sciences' Art and Communications program
2.3.2009 - 26.4.2009.

The Finnish Nature Photograph of the Year 2008 competition's winning pictures exhibition

23.5.2009 - 15.6.2009.

TARA, an eye on arctic climate

Photo Exhibition about the TARA schooners two years journey at the Arctic Ocean

27.11.2009 -15.1.2010



Arctic Science Communications 2008 - 2009

The Science Communications unit at the Arctic Centre communicates on Arctic issues to national and international experts and the general public through multiple channels, as websites and media. The Science communications is a strategic partner of the library, research and science centre exhibition at the Arctic Centre.

The Science Communications unit has important role in the information management in the Barents Euro-Arctic region. The Barents Euro-Arctic Council and the Barents Regional Council selected the Arctic Centre's Science Communications to implement the information strategy. Related to this, four year contract was signed in 2007 with the International Barents Secretariat (IBS). According the contract the Science Communications hosts and maintains the official website of the Barents Council www.beac.st and comprehensive information portal on Barents region www.barentsinfo.org. The Science Communications also develops in cooperation with IBS the general information and data management and utilization of new communications technologies.



The Arctic Centre's Science Communications provides also photographs for the websites and other communicational channels.

Hosted websites and databases 2008 - 2009

www.arcticcentre.org

- Presents the Arctic Centre and its activities as well as current news and events
- Provides information on the Arctic regions and how research done at the Arctic Centre is addressing many of the current issues in the changing Arctic
- Compiles information on the institutes and organisations which are doing arctic and cold climate related research in Finland.

www.barentsinfo.org

- General portal to the Barents region
- Maps, photos and links
- News and event in the Barents region
- Articles giving overview on different topics

www.beac.st

- Official website of the Barents Euro-Arctic Cooperation
- Arctic Centre developed and implemented a database for the official documents of the Barents Euro-Arctic cooperation. The database was integrated into the beac.st website

Databases developed 2008 - 2009

- Arctic Documentary Films - contains information on approximately 35 000 documentary films from the Barents region.
- International Directory of Arctic Social Scientists (IDASS)
- Arctic research institutes - contains information on research and education institutions world wide

dealing with the Arctic or Antarctic

Other

Science Communications is the Finnish contact institute in the Standing Committee on Antarctic Data Management. The task of the Arctic Centre is to help facilitate co-operation between scientists and nations with regard to scientific data. The Arctic Centre advises on the development of the Antarctic Data Directory System and plays a major role in the International Polar Year data system.

Science Communications was also an expert partner in a project that created the Destination North website which gives an introduction to the animals, plants and natural phenomenon in the northern Finland, Norway and Russia. This is a website which uses a lot of graphics, photos and videos and gives popularized information on the topics.

Science Communications had a presentation at the Barents Library Conference in September 2009 in Umeå, Sweden.

Science Communications had an important role in coordinating and realizing the 20th Anniversary Seminar and Open Doors afternoon together with the Arctic Centre's administration, researchers and science centre exhibition staff.

Arctic Centre's library and its collections 2008 - 2009

The library in the Arktikum is a significant part of the Science Communications at the Arctic Centre. While data collections on the Arctic regions are being developed and built in the Science Communications, the library aims at efficient patron-oriented service. Around 40,000 people visit the library annually.

The library with its thousands of books and journal volumes of arctic and northern issues and with 10 000 e-journals is open to the public at large. Besides Finnish and foreign scientists and administrative authorities, library patrons include people from business life, students, school pupils and tourists needing information on arctic and northern issues.

The library serves congress participants at the Arktikum by providing workstations, internet connections and specialised services for the events.

Scientific and popular literature relating to arctic and northern issues is purchased keeping in mind the different interests and different levels of background information of different patron groups.



Book exhibitions 2008 - 2009

The library and information service have taken also an active role in science communication by producing book exhibitions, book launches and other events in close cooperation with the research units and the Science Centre. The regular book exhibition activity started in 2008 with "Sinisin silmin Siperiaan" book exhibition. The book exhibition presented the Finnish explorers who went to arctic Siberia during the Autonomous Grand Duchy of Finland that existed in 1809–1917 under the Russian Empire.

In the summer 2009 the library had book exhibition "Arktiset aarteet" (Arctic Treasures) by *Lappi luo* working programme, *Luova* project (MTT Rovaniemi, *Pro Agria Lappi* and *Lapland's 4H*) and Arctic Centre's Science Communications. The book exhibition dealt the use of the Northern the wild flowers, plants and berries as medication, herbs, spices and delicacys.

Arctic Centre's 20th Anniversary Book Exhibition in the autumn 2009 on the challenges of international cooperation in polar regions offered an extensive collection of the Arctic Centre's research from the past 20 years related to international relations and international law at Polar Regions. Also general books describing the Polar Regions in general and the effects of climate change were presented.

Before Christmas 2009 book exhibition Across the Arctic Ocean was opened. The book Exhibition presented Russian Arctic explorers and their expeditions from the beginning of 18th century to the end of 20th century. Across the Arctic Ocean – book exhibition introduced both well-known and forgotten Russian Arctic navigators. They repeatedly set sails very dangerous, hard and sometimes their last expeditions.

The variety Russian literature and unique pictures of Arctic Expeditions are collected to the Arctic

Centre. The exhibition asked: "What makes people to go to the Arctic Region? Is their sacrifice worth the goal?"

Cooperation networks

The library is developing cooperation network with libraries in Murmansk and Archangels and the National Library of Komi Autonomous Republic. The purpose of the cooperation is information and material exchange for library and educational purposes.

The library personnel takes part in the Lapponica information service and also in the Finnish web service 'Ask the librarian' at www.kirjastot.fi together with the Lapponica team.

The library is also aiming at better cooperation with other actors in the Arktikum area: the Science Centre, the Provincial Museum of Lapland and Metsähallitus. The purpose of the cooperation is to coordinate all the services to visitors and to create new services for e.g. school pupils.

The library will work from the beginning of the year 2010 organizationally as an independent unit of the Library of the higher education in Lapland but functionally according to the strategic mission and goals of the Science Communications of the Arctic Centre.

Arctic Education 2008 - 2009

ARKTIS

Arctic Graduate School (ARKTIS) is a nationwide multidisciplinary graduate school which educates doctors with special expertise on Arctic research in Finland. The School is funded by the Ministry of Education and the Academy of Finland. ARKTIS is coordinated at the Arctic Centre, and its partner universities are University of Lapland, University of Oulu, University of Helsinki and University of Eastern Finland. The theme of the School is "Social and Environmental Impacts of Modernization and Global Change in the Arctic". ARKTIS is directed by Professor Paula Kankaanpää, Director of the Arctic Centre, and coordinated by Docent Päivi Soppela, Senior Scientist at the Arctic Centre.

During 2008-2009 the School had 22 doctoral students enrolled at the Universities of Lapland, Oulu, Helsinki and Joensuu in the fields of law and humanities, social sciences and natural sciences. In addition to Finnish students, ARKTIS had about 25% foreign PhD students. During 2009, the School received funding for three new fully-funded PhD student posts for 2010-2013 from the Ministry to investigate the Barents region's economy, livelihoods and sustainable development. Ilona Mettiäinen from the University of Lapland and Susanna Pääkkölä from the University of Oulu were selected among 41 applicants to the new posts for 2010-2013, and Adam Stepien from the University of Lapland for 2010-2011. In addition, Meri Ruppel from the University of Helsinki and Masumi Tanaka from the University of Lapland were selected to previously vacated two-year PhD student posts for 2010-2011 and Emilie Beaudon from the University of Oulu for one-year post for 2011.

Activities 2008-2009:

Three ARKTIS PhD students defended their theses during 2008-2009. Marc Macias defended his PhD thesis "Ecological processes and large-scale climate relationships in northern coniferous forests" in May 2008 at the University of Helsinki. Mari Riipinen defended her PhD thesis "Sosiaalisen pääoman skaalaus. Paikallisia ja ylipaikallisia näkökulmia maankäyttöön Nellimissä, Inarissa" in June 2008 at the University of Oulu. Sanna Valkonen defended her doctoral thesis "Poliittinen saamelaisuus" in December 2009 at the University of Lapland.

During 2008-2009, PhD students of ARKTIS published altogether 68 scientific publications, 12 of which appeared in international peer-reviewed scientific journals. Sixth annual ARKTIS Research Seminar "Barents Euro-Arctic cooperation: administrators meet scientists" was held 7-8 April 2008 in Rovaniemi and gathered altogether 51 participants, including 20 students and 12 international visitors.



Seventh ARKTIS Research Seminar "Towards an Integrated Understanding of Industrialization and Climate Change in Social-ecological Systems of the North" took place 1-3 April 2009 in Rovaniemi with 54 participants, of whom 29 were students and 18 international visitors.

Moreover, ARKTIS organised 8 public lectures to honour the International Polar Year in 2008, and 7 public lectures under the theme "Arctic Research 20 year" to celebrate the Arctic Centre's 20th anniversary in 2009. ARKTIS and its associate groups also organized study circles, workshops and theme days with varying topics and a number of ARKTIS visiting lectures by international scholars during 2008-2009. During both years, ARKTIS allocated numerous travel grants support PhD students' participation in international scientific conferences and courses. In addition, ARKTIS continued collaboration through joint seminars and mobility with other national and international doctoral programs such as BANG (Barents Arctic Network of Graduate Schools).

Arctic Studies Program (ASP)

25 - 60 ECTS cr.

The Arctic Studies Program (ASP) provides a unique multidisciplinary study program and possibility to specialize in Arctic issues. The ASP provides comprehensive knowledge of the physical, environmental, social and cultural aspects of the Arctic. In addition to the courses the students do individual research on Arctic issues under the supervision of Arctic Centre's senior scientists and excursions on the field.

The ASP is designed for Finnish and foreign degree students and the courses are taught in English. ASP studies are subject-level studies, and it is therefore not recommended that students take them as part of their first-year program. ASP courses are taught during the whole academic year (periods 1-4), from the beginning of September to mid-May.

More information about the program can be found from the International Studies Centre, where the ASP is administrated from. Academic coordination and content is provided by the Arctic Centre's research units.

Arctic Centre: 20 Years of Arctic research and science communications

Arctic Centre celebrated its 20th Anniversary on 29th September 2009. The Arctic Centre started as an institute at the University of Lapland in 1989 with a staff of four persons. Now Arctic Centre is an international centre for multidisciplinary research and science communications with dozens of professionals working from all over the world.

Arctic Science and Politics highlighted at the Anniversary seminar

The 20th Anniversary Seminar gathered together top managers of international Arctic policy and science policy as well as more than 150 guests. The esteemed speakers at the Anniversary Seminar were Finnish Minister for Foreign Affairs, Alexander Stubb, Chairman of the Arctic Centre's Scientific Advisory Board and director of the Polar Program at the National Science Foundation Karl Erb from USA, Region Mayor of the Regional Council of Lapland Esko Lotvonen, Rector of the Sami Education Institute Liisa Holmberg, President of the International Arctic Science Committee Kristjan Kristjansson from Iceland and Senior Arctic Official Chair of the Arctic Council Lars Møller.

At the seminar the director of the Arctic Centre, prof. Paula Kankaanpää made an initiative that the Arctic Centre is willing to serve as an EU Arctic Information Centre and that it can coordinate the network that will be created. Arctic Centre is the only science centre located in the EU Arctic regions and it has roles in multidisciplinary research as well as in information dissemination.

Scientific Afternoon – open doors to the Arctic Centre

For the 20th Anniversary Afternoon the Arctic Centre welcomed all the people in Rovaniemi to visit the Arctic in Change science exhibition, listen to scientists' short lectures about current Arctic Issues: gas reserves, ownership of the Arctic areas, Arctic education provided by Arctic Centre etc. and see document films about Arctic people and nature.

At the Arctic Centre's library had the 20th Anniversary Book exhibition about the challenges of international cooperation in Polar Regions. During the Scientific Afternoon you could also "borrow a researcher" for 20 minutes and see the media "follow-up" posters of the Arctic Centre from the 1980's to present.



Arctic Centre's Director Paula Kankaanpää and Finnish Minister for Foreign Affairs, Alexander Stubb at the 20th Anniversary in the Arktikum House, Rovaniemi. Photo by Kaisa Sirén



Research Professor Timo Koivurova, Director of the Northern Institute for Environmental and Minority Law, Arctic Centre is giving a minilecture about Who owns the Arctic oceans. Photo: Jani Kärppä / Arctic Centre



*Scientist Martina Schäfer is presenting to the visitors at Scientific Afternoon in the "Ice Show": what happens if the ice in the Arctic melts .
Photo: Jani Kärppä / Arctic Centre*

FACTS

Arctic Centre Board 1.8.2007 – 31.7.2010

Chair Person

Juha Perttula

Vice Persons

Tuija Hautala-Hirvioja

Members

Tuija Hautala-Hirvioja

Kai Kokko

Aini Linjakumpu

Sari Poikela

Kari Hakapää

Sisko Ylimartimo

Seppo Aho

Leif Rantala

Student representative of the University of Lapland

Mikko Heinikoski

Jaakko Laitakari

Staff representative of the Arctic Centre

Jukka Jokimäki

Arto Vitikka

Members of other institutes

Atte Korhola
University of Helsinki

Jukka Käyhkö
University of Turku

Kari Laine
University of Oulu

Ilkka Liikanen
University of Joensuu

Marja-Liisa Sutinen
Finnish Forest Research Institute

Lassi Valkeapää
The Educational Center of Sami Area

Antero Järvinen
Kilpisjärvi Biological Station

Sami Moisio
Kevo Subarctic Research Institute

Pirkko Siikamäki
Oulanka Research Station

Heikki Eskelinen
Karelian Institute

Martti Varmola
FFRI, Rovaniemi Research Station

Pekka Aikio
Sámi Parliament

The Arctic Centre Scientific Advisory Board 1.1.2009 - 31.12.2011



Dr. Philip A.
Wookey

Dr. Frank
Burnet

Dr. Peter Prokosch

Dr. David Leary

Ms. Liisa
Holmberg

Dr. Grete
Hovelsrud

Dr. Karl Erb
Kankaanpää

Director Paula

Ms. Annika
Lindblom

Dr. Elena
Andreeva

The scientific board meets once a year and it has an advisory and supervisory role which includes following tasks:

- The Board supports the leadership of the Arctic Centre by giving advice for research planning, science education, data management, communication and outreach.
- The Board advises on implementation of the Arctic Centre Strategy for 2020 that has been adopted in fall 2008. The Board assesses whether the benchmarks set out in the Strategy are being achieved.
- The Board gives advice for evaluation the quality of the work of the Arctic Centre.
- The Board supports Arctic Centre’s national and international co-operation and networking with scientific partners as well as public and private sectors.
- The Board supports the Arctic Centre in gaining external funding by giving advice and status for the Arctic Centre.

Arctic Centre funding

The Arctic Centre’s budget comprises an appropriation granted by the Ministry of Education and the share from the University of Lapland. In 2000, the share from the University of Lapland came to about 10% and since 2003, its share amounts to over 30% of the overall budget for the Arctic Centre.

The Arctic Centre finances about 40% from its total budget through external funding. The sources are Academy of Finland, EU framework and regional programs, ministries and companies.

Budget by the Arctic Centre

	<u>2008</u>	<u>2009</u>
Basic budget (m€)	2,513	2,460
External funding (m€)	1,301	1,079
TOTAL	3,814	3,539

Publications of the Arctic Centre in 2008

Articles in academic journal, refereed

Bastmeijer, Kees and Koivurova, Timo. (2008). Conclusions: globalisation of transboundary environmental impact assessment. In: *Bastmeijer, Kees and Koivurova, Timo (eds.) Theory and practice of transboundary environmental impact assessment*. Leiden: Martinus Nijhoff. (Legal aspects of sustainable development, ISSN 1875-0923, vol. 1.) ISBN 978-90-04-16479-6. p. 347-389.

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Hurme, Eija, Mönkkönen, Mikko, Sippola, Anna-Liisa, Ylinen, Hanna and Pentinsaari, Mikko. (2008). Role of the Siberian flying squirrel as an umbrella species for biodiversity in northern boreal forests. *Ecological Indicators* 8(3), p.246-255.

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Arctic Centre events 2008

CIGSAC Final seminar

Standing Committee of Parliamentarians of the Arctic Region and UArctic Rectors forum Standing Committee of Parliamentarians of the Arctic Region

ARKTIS public lecture: Tutkimusretki menneisyyteen: Järvikairauksia Käsivarressa ja tulevaisuuden vesienhoito, tutkija Raino-Lars Albert

ARKTIS Annual Research Seminar: Barents Euro-Arctic cooperation: administrators meet scientists

ARKTIS public lecture : What is the Russian North?, Scientist Anna Stammer-Gossmann

ARKTIS Annual Seminar: Barents Euro-Arctic Cooperation: Administration Meet Scientists

ARKTIS public lecture: Saamelaisopetus Pohjoismaiden peruskouluissa – kielelliset oikeudet ja koulu, tutkija Ulla Aikio-Puoskari

International Museum day at the Arktikum house

Joint Finnish-Japanese Seminar on Northern Environmental Research

Rovaniemi Day, open doors at Arktikum house

Mining Law Seminar

ARKTIS public lecture: How to grow and survive in a tough environment – studies on reindeer in Swedish Lapland PhD Birgitta Åman, Swedish University of Agricultural Sciences

Exhibition Expedition, course of exhibition planning

ARKTIS public lecture: Porojen perässä Pohjoisen palkisilla – ekologia ja elinkeino tutkimuskohteena, tutkija Harri Norberg

Arctic Fury film and media festival

ARKTIS public lecture: Ice and Climate Research on Vestfonna: Preparation, Implementation and Stumbling Blocks, tutkijat Emilie Beaudon ja Venkata Gandikota

ARKTIS public lecture: Arktikumin kirjasto tutuksi
Mistä löydän arktisen tiedon?, Arktisen tiedeviestinnän henkilöstö



First ARCTIC Market Days

Arctic Centre events 2009



Jäähahtuva -work of art public release

ARKTIS public lecture: Arktisen alueen muutos ja Arktisen keskuksen tutkimus, johtaja Paula Kankaanpää

ARKTIS public lecture: Arctic sea ice variations over the last 800 years - present day collapse or natural cycle?, tutkimusprofessori John Moore

ARKTIS public lecture: Alkuperäiskansojen maa- ja metsätalouden kehitys Latinalaisessa Amerikassa - Näkökulmia ILO-sopimuksen No. 169 ongelmakohtiin, tutkija Tanja Joonas

ARKTIS Annual Research Seminar: Towards an Integrated Understanding of Industrialization and Climate Change in social-ecological Systems of the North

ARKTIS public lecture: Ympäristö ja elämäntapavalinnat Lapissa, tutkija Sanna Ovaskainen

ARKTIS public lecture: The role of the Arctic Council in Addressing Arctic Climate Change, researcher Waliul Hasanat

International Museum day at the Arktikum house

ARKTIS Guest lecture: Exploring traditional hunting rituals and cultural language of the Deh Cho Dene in Northern Canada, Tri. Carol Brown-Leonardi, Centre for Citizenship, Identity and Governance, Open University, UK

ARKTIS guest lecture: The Kola Saami: recent issues, Dr. Paul Fryer, department of Geography,

University of Joensuu



ARKTIS public lecture: The Sitten Bull, great grandson Ernie LaPointe from South Dakota, USA

The Circle Climate Change conference

Legacies and change in polar science -seminar

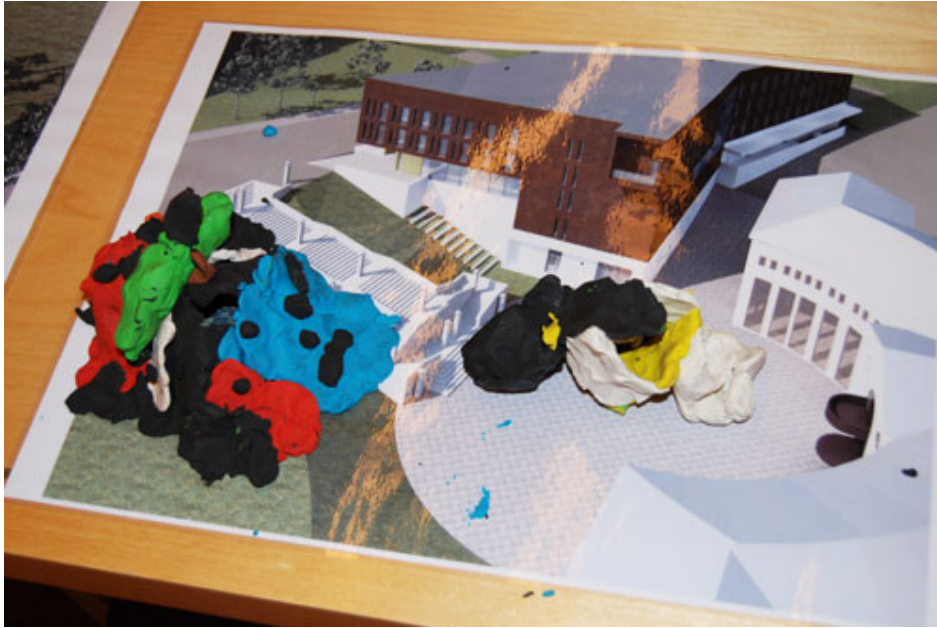
ARKTIS seminar: Two Dams: Nibutani and Biratori, and role of local Ainu residents in Nibutani, Hokkaido, the northernmost island of Japan, Professor Takashi Matsuna, Murora Institute of Technology, Hokkaido
and Sami traditional ecological knowledge: field work experiences and picture, Researcher Masumi Tanaka

EU ACCENT project: Interim Meeting (IM2) Agenda

Rovaniemi Day, open doors at Arktikum house

Arctic Centre 20th Anniversary Seminar and open doors Scientific Afternoon

Sustainable development group's public lecture: Miten hallita globaaleja energiakysymyksiä? tutkija Sylvia Karlsson-Vinkhuyzen, Tulevaisuuden tutkimuksen keskus, Turun Kauppakorkeakoulu



Arktinen Pilke outdoor event at the Arktikum square

Arctic Indigenous Peoples and Sami Research Office, Mii ry. and SámiSoster ry.: "Seminaari kielenelvytyksestä ja saamen opetuksesta"

ARKTIS public lecture: Hyvä Lappi? Pohjoisen tutkimus paikallisten yhteisöjen tukena, yliopistolehtori Aini Linjakumpu , Yhteiskuntatutkimuksen laitos, Lapin yliopisto

Arctic Fury film and media festival

Sustainable development group's public lecture: Ekologinen tuho ja korjaamisen etiikka, tutkija Markku Oksanen, Turun yliopisto

ARKTIS public lecture: Pohjoiset järvet ja ympäristömuutoksen paineet, tutkija Susanna Siitonen, Helsingin yliopisto

ARKTIS public lecture: YK:n Kööpenhaminan ilmastokokous: Turvallinen ilmasto vai kansalliset edut? Onnistumisen edellytykset ja riskit, tutkija Mika Flöjt

CAVIAR seminar

ARKTIS guest lecture: Introduction to Ainu culture and language performance, Mr. Kasashi Kawakami and Introduction of the Center for Ainu and Indigenous Studies at Hokkaido National University, Japan, Professor Hirofumi Kato and PhD Student Outi Martina Tyrisevä

ARCTIC Market Days

Externally funded projects in 2008 - 2009 and further

GLOBAL CHANGE RESEARCH GROUP

Adaptation to Rapid Land-Use and Climate Changes on the Yamal Peninsula, Russia: Remote Sensing and Models for Analyzing Cumulative Effects / Bruce Forbes / University of Alaska Fairbanks / 1.6.2009 – 31.5.2012

Application of Space-Based Technologies and Models- Land-Cover/Land-Use Change / Bruce Forbes / University of Alaska Fairbanks / 1.1.2007-31.8.2008

CAFF-Preparation of the CAFF Working Group's Arctic Biodiversity Assessment / Bruce Forbes / Ministry of Environment / 1.5.-30.11.2009

CARMA- CircumArctic Rangifer Monitoring and Assessment project / Bruce Forbes / Yukon College / 1.3.2008 – 31.3.2009

Clim-ATIC Northern Periphery Programme Project / John Moore / EU-NPP/Ympäristöministeriö / 1.3.2008-28.2.2011

Dynamical Evolution of Scharffenbergbotnen Blue Ice Area since the Late Glacial Maximum / John Moore / Suomen Akatemia / 1.1.2009-31.12.2012

ECOREIN, The Ecological and Socioeconomical Responses of Global Change on Reindeer Pastures / Minna Turunen / Thule-Instituutti, Oulun Yliopisto / 1.1.2006-31.12.2009

Harjulammen linnustoseelvitys vuonna 2008 / Jukka Jokimäki / Rovaniemen kaupunki / 29.4.2008 – 30.9.2008 / 6500 €

Ice core drilling on Vestfonna / John Moore / Suomen Akatemia / 1.1.2007 – 31.12.2010

Interdisciplinary Investigations into the Role of Sea Ice as Moderator of and Platform for Biogeochemical Cycles in Arctic and Antarctic Waters / Mats Granskog / Suomen Akatemia / 1.8.2005-31.12.2008

Kilpiaavan linnustoseelvitys 2009 / Jukka Jokimäki / Lapin ympäristökeskus / 1.6.-31.10.2009

Kokonaavan ja Jänkäläisenaavan tyyppisten lintualueiden kartoittaminen / Jukka Jokimäki / 26.6.2008 – 30.10.2009

Käpäälajiston indikaattoriryhmien kehittäminen metsäluonnon suojeluarvojen arvioinnissa / Anna-Liisa Sippola / Ympäristöministeriö / 15.2.05-31.12.06

Muuttohaukka-selvitys / Jukka Jokimäki / Lapin Liitto / 1.4.2007 – 30.6.2008

PACE, Past Climate Extremes in the North / John Moore / Thule-Instituutti, Oulun yliopisto / 1.1.2006 – 31.12.2009

Paleoclimate studies on Scharffenbergbotnen Blue Ice Area / John Moore / Suomen Akatemia / 1.1.2005-31.12.2008

Petoeläinten vaikutus poron vasatuottoon ja –kuolleisuuteen erilaisissa olosuhteissa, Väitöskirjatutkimus / Harri Norberg / Maa- ja Metsätalousministeriö / 1.1.2008 – 31.3.2009

Pohjoiset havumetsät – Tutkimuksella työkaluja metsien kestävään käyttöön Barentsin alueella / Anna-Liisa Sippola / Metsäntutkimuslaitos, Eu-Interreg III A Kolarctic Naapuruusohjelmahanke / 10.4.2006 – 1.3.2008

Poron ravinto ja lisäruokinta muuttuvassa ilmastossa / Minna Turunen / Maa- Ja Metsätalousministeriö / 1.1.2008-31.3.2011

Resilience of Human-Rangifer System / Bruce Forbes / University of Alaska Fairbanks / 1.1.2006-31.8.2009

Rovaniemen kaupunkilintuatlas / Jukka Jokimäki / EAKR – Lapin ympäristökeskus / 1.6.2009 – 31.12.2011

Sattasen linnustoselvitys 2009 / Jukka Jokimäki / Airix Ympäristö Oy / 1.5.-31.8.2009

Social and Environmental Impacts of Oil and Gas Development in Northern Russia – Seminar / BRUCE FORBES / YMPÄRISTÖMINISTERIÖ / 1.8.2007-31.12.2008

Social and Environmental Impacts of Oil and Gas Development in Northern Russia – Seminar / Bruce Forbes / Ulkoasiainministeriö / 1.8.2007-30.1.2008

Social and Environmental Impacts of Oil and Gas Development in Northern Russia – Seminar / Bruce Forbes / International Centre for Reindeer Husbandry, Norway / 1.8.2007-31.12.2008

Suomen Paleoklimatologia: tämänhetkisen ja menneitten ilmastovaihteluiden yhteisanalyysi perustuen ilman, maan ja kallioperän suoriin ja epäsuoriin lämpötilahavaintoihin / Samuli Helama / Suomen Akatemia / 1.9.2009 – 31.12.2010

SUSTAINABLE DEVELOPMENT RESEARCH GROUP

BOREAS MOVE-INNOCOM Assessing senses of place, mobility and viability in industrial northern communities / Florian Stammler / Suomen Akatemia / 1.10.2006-31.12.2010

Boreas Final Conference / Florian Stammler / European Science Foundation / 1.7.-31.12.2009

Boreas Final Conference / Florian Stammler / National Science Foundation of the US / Boise State Univeristy / 16.10.2009 – 31.5.2010

DAMOCLES, Developing Arctic Modelling and Observing Capabilities for Long-term Environmental Studies / Monica Tennberg / EU- FP6 / 1.12.2005-30.11.2009

FIN-CAVIAR Arktiset adaptaatiot / Monica Tennberg / Suomen Akatemia / 1.1.2007-31.12.2009

Luonnon monimuotoisuus ja Saamelaiset (CBD:n artikla 8(j) ja siihen liittyvän työohjelman toimeenpanoa tukeva selvitys Suomen saamelaisalueella) / Elina Helander / Ympäristöministeriö / 1.8.2007 – 31.12.2008

Saamelaisen poronhoidon edellytyksiä: perinnetiedon merkitys / Elina Helander / MMM / 1.1.2007-31.3.2009

NORTHERN INSTITUTE FOR ENVIRONMENT AND MINORITY LAW

Arktisten kansainvälisten hallintamekanismien kyky lieventää ilmastonmuutosta ja sopeututa sen vaikutuksiin arktisella alueella / Timo Koivurova / Suomen Akatemia / 1.1.2006-31.12.2008

Ihmisoikeustutkimuksen tutkijakoulu / Timo Koivurova / Åbo Akademi / 1.7.2006-31.12.2009

Ilmastonmuutos, yhteisön sopeutuminen ja monitasoinen hallinta / Timo Koivurova / Suomen Akatemia / 1.6.2008 – 31.12.2009

Indigenous property systems / Timo Koivurova / Nordic Council of Ministers, Nordregio / 1.5.2009 - 30.4.2012

Kaivoslain uudistamista oikeusvertailun pohjalta käsittelevä tutkimus / Timo Koivurova / Suomen Kulttuurirahasto / 1.4.2008 – 30.09.2009

Kalastuksen oikeudellinen sääätely Pohjois-Lapissa / Juha Joona / Maa- ja metsätalousministeriö / 1.1.2009 - 30.6.2010

Public Diplomacy, Policy Research and Outreach devoted to the EU and EU-Canada Relations / Timo Koivurova / EU / 22.12.2007-30.06.2009

TRANSFORM: Transatlantic Policy Options for Supporting Adaptations in the Marine Arctic/ Timo Koivurova / EU/Ecologie inst. / 1.1.2008 – 30.6.2009

OTHER

Alkuperäiskansojen kulttuuriperinnön immateriaaliset oikeudet-käsikirja /Paula Kankaanpää / Saamelaisneuvosto / 1.5.-30.6.2009

ARKTIS 2007-2011, Arktinen tutkijakoulu/ Paula Kankaanpää ja Päivi Soppela / Opetusministeriö, määräraha tutkijakoulun palkkakustannuksiin / 1.1.2007-31.12.2011

ARKTIS 2007-2009, Arktinen tutkijakoulu / Paula Kankaanpää ja Päivi Soppela / Suomen Akatemia, tutkijankoulutuskurssit/ 1.1.2007-31.12.2009

BANG – Barents Arctic Network of Graduate Schools / Paula Kankaanpää / Nordforsk / 1.10.2007 –

30.9.2010

IPY Suomen tiedonvälitys / Paula Kankaanpää / Ympäristöministeriö / 1.8.2005-31.12.2008

IPY Suomen tiedonvälitys / Paula Kankaanpää / Ulkoasiainministeriö / 1.8.2005-31.12.2008

KINNVIKA I, Change and Variability of the Arctic Systems / Paula Kankaanpää / Nordic Council Of Ministers / 1.6.05-31.12.09

KINNVIKA II, Change and Variability of the Arctic Systems / Paula Kankaanpää / Nordic Council of Ministers / 1.4.2006-31.12.2009

KINNVIKA III, Change and Variability of the Arctic Systems / Paula Kankaanpää / Nordic Council of Ministers / 1.1.2007-31.12.09

Kinnvika Legacy / Paula Kankaanpää / Nordic Council of Ministers, Nordregio / 1.5.2009 – 31.12.2011

Suomalais-Japanilaisen pohjoisen ympäristötutkimuksen seminaari / Paula Kankaanpää / Suomen Akatemia / 4.4.2008 – 4.4.2009

Suomi arktisena toimijana / Paula Kankaanpää / Ulkoasianministeriö / 1.6. -15.8.2009

SCIENCE CENTRE EXHIBITION PROJECTS

AARRE / Armi Pekkala / TACIS / 1.12.2006 – 30.6.2008

ACCENT – Action on Climate Change through Engagement, Networks and Tools / Nicolas Gunsley / EU-FP7, partner / 1.4.2009 – 31.3.2011

SCIENCE COMMUNICATIONS

Barents Euro-Arctic Council website, Barentsinfo-portal, Barents Information Strategy / Liisa Kurppa , Arto Vitikka/ Barents Euro-Arctic Countries / 1.1.2008 - 31.12.2011

Finnish Antarctic research data / Arto Vitikka / Finnish Marine Research Institute / 1.1.2003 – 21.12.2009

International Directory of Arctic Social Scientist/Arto Vitikka/ National Science Foundation / 1.6.2007 – 31.12.2009

Survey of work processes and productivity in cooperation with University Library / Liisa Kurppa/ Ministry Of Labour/ 6.10.2006 – 31.5.2008

Sustainable Transport in the Barents Region website maintaining / Arto Vitikka, Liisa Kurppa / County Administrative Board of Norrbotten, Sweden / 3.11.2003 – 31.12.2009