

reindeer policy law information international politics library IBS strategic knowledge Norway Barents

Rovaniemi science specialist public social media Sami human rights Yamal economy

ice change Svalbard Sweden future development Northern minority 23 expertise

change tundra Yamal economy sustainable exhibition indigenous environmental Arktikum ILO No.169 climate communicator years

project teach environmental research Russia

EU AIC

Arctic Studies

Program (ASP)

Science

global

institute

[arcticcentre@ulapland.fi](mailto:arcticcentre@ulapland.fi)

experience

adaptation

education

cooperation

professor

popularise

Finland

events

PhD

team

Lapland

publications

ARKTIS doctoral program

dynamic NORTH

# Arctic Centre

University of Lapland

## ANNUAL REPORT 2012

# ARCTIC CENTRE ANNUAL REPORT 2012

UNIVERSITY OF LAPLAND, ROVANIEMI, FINLAND



COVER PICTURE:

JENNI LINTULA, INSPIRED BY [WWW.WORDLE.NET](http://WWW.WORDLE.NET)

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## FROM THE DIRECTOR

Year 2012 witnessed perhaps one of the most significant milestones in the 23 year long history of the Arctic Centre as the EU Commission approved the EU Arctic Information Centre preparatory project. The Commission requested the Arctic Centre with its network of 19 European arctic expert institutions to carry out a strategic environmental impact assessment about the change in the European Arctic.

The project will be completed in summer 2014. After that it will be seen how feasible the idea of EU Arctic Information Centre as a network undertaking would be. Arctic Centre with its partners aims to improve information flow between EU and the Arctic.

This illustrates how the Arctic Centre is in the center of the Finnish Arctic debate, a position which gives us the possibility to maintain multidisciplinary Arctic research themes. Our specialists are in demand as experts and popular speakers in major global and domestic arenas. I too had the honor to participate in a state visit to Norway by the Finnish President Sauli Niinistö, to represent the Finnish Arctic expertise.

Arctic Centre works a lot with popularizing Arctic information and research to various audiences. We feel that this social influence is the best way to contribute to the sustainable development of the Arctic region. To demonstrate the media's role in science communication the Arctic Centre launched a big project for the Barents region's media collaboration.

Arktikum Science Centre attracts tourist from all over the world and works with students and school children in the region. In 2012, a big science centre project started involving the first nuclear icebreaker Lenin in Murmansk.

Our home base is the 20 years old Arktikum house where the public was given more Northern experiences when two art exhibition rooms were opened 2012. The galleries of the Faculty of Art and Design at the University of Lapland gave the

students possibility to present Arctic design and to organize various installation artworks.

Once again the Arctic Centre had a lot of visible popular activities and social influencing, diplomats and politicians visiting and events organized. However, the core and backbone of the Arctic Centre will always be in multidisciplinary cutting-edge research and communicating Arctic science.

The 2012 well-being survey of the University of Lapland showed that the staff at the Arctic Centre enjoy and appreciate their work and finds their organization to have a good public image. I firmly believe that the Arctic Centre's activities' richness, diversity, and unconditional support from colleagues as well as the positive atmosphere are the keys to success. Last year, the Arctic Centre really did an excellent result. And it was due to the excellent people working at the Arctic Centre.

Paula Kankaanpää  
Director, Arctic Centre



## RESEARCH

The Arctic Centre's research has achieved a solid respect in international research forum. The researchers were very successful in publication of high-quality scientific articles that were also referred in several international media. The success rate of competitive applications was also excellent.

During the year 2012 Arctic Centre has been working with a great number of national and international research projects across the Arctic. Arctic Centre's researchers have presented their studies in international conferences and publications as well as contributed their expertise in national and international boards.

The societal impact of the research of the Arctic Centre is good. The researchers have been involved in regional development strategies, and they participated actively also in preparation of reports of the Arctic Council, such as Arctic Resilience Report and Arctic Human Development Report.

Arctic Centre's professors and researchers participated in 37 short-term international exchanges and 6 long-term exchanges. In addition 6 foreign researchers worked in the Arctic Centre in a short-term exchange and 3 in a long-term exchange.

Arctic Centre's research focuses on three main themes. Each research group is led by a research professor and includes a multidisciplinary team of senior researchers, researchers, post-doc researchers, and PhD students.

### THE RESEARCH GROUPS AND MAIN RESEARCH TOPICS IN 2012:

#### GLOBAL CHANGE

Research professor Bruce Forbes

- Adaptation to rapid land-use and climate changes on the Yamal Peninsula, Russia
- How to preserve the tundra in a warming climate
- Dynamical evolution of Scharffenbergbotnen blue ice area
- Stability and variations of Arctic land ice
- Effects of ultraviolet radiation on northern peatland ecosystems
- Thermal responses and safety during outdoor activities in winter
- Urban bird atlas of Rovaniemi
- Epidemiology of viruses in birds
- Effects of parasites on population dynamics of grouse
- Resilience in Social-Ecological Systems of Northwest Eurasia
- Reindeer Grazing and Tundra Soil Carbon Storage under Changing Climate



Arctic Centre researcher  
Dr. Martina Schäfer on  
Tidewater glacier workshop's  
excursion to Hansbreen glacier,  
also southern Spitzbergen, in  
Svalbard.  
Photo: Tad Pfeffer

SUSTAINABLE DEVELOPMENT  
Research professor Monica Tennberg

- Arctic climate change, economy and society
- Barents international political economy: Governance and gender in development
- Economic growth in Lapland
- Preparing for and responding to disturbance: Arctic lessons for Sweden
- Climate change adaptation by regional development related strategic planning
- Critical aspects of adaptive capacity to climate change in northern regions
- Knowledge to action in strategic and environmental planning
- Sami customary law and fishing traditions
- Indigenous identity and power relations
- Oral history of empires by elders in the Arctic
- Arctic Urban development and population movement
- Urban sustainability in the Russian Arctic
- Reindeer herding in a changing social and natural environment
- Human-animal-environment relationships
- Social and economic significance of fishery and aquaculture in the Barents region
- Vulnerability in context: Reindeer herders of the tundra and climate change
- Encounters between Sámi and Finns in the Inari and Teno River Areas
- Afterlife of research projects in the North
- Tourism and its effects on tradition in Inari
- Environmental Safety and Sustainable Development in the Arctic
- Neoliberal governance and sustainable development in the Barents Region



Barents International Political Economy (BIPE) –workshop, 29. - 30.8. Photo: Jenni Lintula

THE NORTHERN INSTITUTE FOR ENVIRONMENTAL AND MINORITY LAW, NIEM  
Research professor Timo Koivurova

- Indigenous property systems
- Indigenous peoples and environmental rights
- Sacred sites of indigenous peoples
- Indigenous peoples, especially Saami peoples rights within the context of ILO Convention No. 169 and the Draft Nordic Saami Convention
- Historic fisheries rights in Tornio-Muonio river
- Historic land rights in Finnish Lapland
- Status and rights of non-state actors in international environmental governance
- EU seal ban and human rights questions
- Transit rights through the territorial waters of the Åland Islands in international law
- The reform of the Arctic Council
- New perspectives on Arctic governance
- Globalization in the Arctic – political, legal and environmental perspectives
- Impacts of climate change on the participatory rights of indigenous peoples and women?
- Environmental impact assessment from the perspective of companies
- Transboundary EIA in the Barents region
- Indigenous rights in mining developments in the Barents region
- Protected areas in legal perspective
- Sharing experiential knowledge as a form of development cooperation: From the Arctic to Global South
- South China Sea - legal perspectives

OTHERS

- Efficiency of the Arctic Council
- Structures of using information and knowledge in decision making processes



Arktikum house in December. Photo: Kamil Jaqodzinski

## EDUCATION



Arctic Doctoral Programme (ARKTIS) is a multidisciplinary, network-based doctoral programme lead and coordinated by the Arctic Centre at the University of Lapland. ARKTIS educates doctoral level experts in Arctic issues. ARKTIS has 22 doctoral students enrolled at the universities of Lapland, Oulu, Eastern Finland and Helsinki. The disciplinary background of the ARKTIS doctoral students comprises both social sciences such as sociology, political science, environmental politics and international relations, economy, cultural studies, law and education and natural sciences, for example biology, chemistry, geophysics and geography.

By three applications, Arktis has got highly competed funding from Academy of Finland and the Ministry of Education and Culture for 14 full-time four-year PhD positions during 2003 - 2013 and have hired altogether 23 PhD students. Arktis has also offered support for educational activities, annual seminars, theme days, workshops, guest lectures and mobility for students. So far thirteen doctors have graduated from the programme and more will graduate in near future.

### EXAMPLES OF ARKTIS ACTIVITIES IN 2012

ARKTIS celebrated its 10th functioning year in 2012. Three doctoral dissertations were successfully defended and a wide variety of ARKTIS activities were organized. 12 ARKTIS travel grants were admitted to ARKTIS PhD students for participation in international scientific conferences for instance in Canada, Portugal, Switzerland, the UK, the USA and Russia.

The 10th Annual Research Seminar of ARKTIS, with the theme "Science-Policy Interface – Societal Impacts of Arctic Research" took place 15-16 March 2012 in Arktikum. The seminar was organized in collaboration with the "Knowledge in Environmental Planning and Decision-making" project, and the seminar served also as the final seminar of the project. The number of participants was 41, of which 15 were PhD students and 4 international senior scholars. In addition to academic audience, the seminar was attended also by decision-makers and planning professionals.



ARKTIS seminar group photo, 2012. Photo: Arto Vitikka.

ARKTIS Theme Day for PhD students on March 14th offered PhD students an opportunity to learn practical skills such as designing posters for conferences and data management skills. Also tips for the final stages of the dissertation and getting prepared for the defense day were given.

In 2012, ARKTIS hosted several guest lectures by international scholars. The lectures were organized in collaboration with other units of the Arctic Centre and the University of Lapland.

Professor Sandra Harding, a famous philosopher of science from UCLA visited the Arctic Centre and the University of Lapland in October and gave five public lectures on epistemology, feminist research and post colonialism. The lectures were organized by ARKTIS in collaboration with the Unit for Gender studies and the Graduate School of the University of Lapland. Altogether about 200 researchers and PhD students participated the lectures.

ARKTIS workshop on Indigenous Knowledge Systems was organized 4 October in conjunction with Professor Sandra Harding's visit. Keynote lectures were given, in addition to Professor Harding, by Dr. Elina Helander-Renvall, Arctic Centre, University of Lapland and Professor Suvi Ronkainen, Faculty of Social Sciences, University of Lapland. The programme included also presentations by PhD students, feedback for the students from the keynote speakers and multidisciplinary discussions.

ARKTIS together with the Arctic Anthropology team had also other academic guests in 2012. Professor Nikolay Vakhtin, European University of St Petersburg, talked about Soviet, Western and Russian approaches to research cooperation with indigenous partners; the president of IASSA, professor Gail Fondahl, gave a guest lecture on land rights in Siberia and Northern Canada; and professor Enrique del Acebo Ibáñez from the Universidad del Salvador and University of Buenos Aires, Argentina, showed two of his documentary films and gave introductory lectures to them.

Also the opponent for Emilie Beaudon's doctoral dissertation, Adjunct prof. Christian M. Zdanowicz, Department of Geography of the University of the University of Ottawa, gave a lecture about "Transformations in the Canadian Arctic cryosphere: Placing observed changes in a long-term perspective."



Fresh ARKTIS Doctor Tanja Joona talking about "How to become a doctor". Photo: Ilona Mettiäinen

A 2-days workshop on Barents International Political Economy was organized in 29-30 August by the Nordic network (funded by Nordforsk, coordinator professor Monica Tennberg, Arctic Centre) and ARKTIS at Arctic Centre. Keynote lectures were given by Dr. Wendy Larner, Bristol University, UK. Other speakers included eg. Dr. Aileen Espiritu, Barents Institute and Dr. Larissa Riabova and Dr. Vladimir Didyk Kola Science Centre, Russia. Also several ARKTIS PhD students presented their research.

PhD students of ARKTIS published altogether 18 scientific publications (of which 3 doctoral dissertations) and 4 popular publications.

#### ARCTIC STUDIES PROGRAM (ASP)

The Arctic Studies Program (ASP) is a multidisciplinary study program providing a possibility to specialize in the Arctic issues. It offers diverse knowledge on the physical, environmental, social and cultural aspects of the Arctic.

The program was coordinated by the Faculty of Social Sciences and the International Studies Coordinator at the University of Lapland's International Relations Office, and the teaching is provided mainly by researchers of the Arctic Centre. About 30–40 students participate in the ASP every year.

The ASP is 30 – 60 ECTS and it is offered as a core component of the education of the University of Arctic.



ASP student's study visit to a reindeer farm Kopara, between Luosto and Pyhäntunturi tourist centres.

The reindeer of the Kopara farm could be fed from the hand.

Photo: Ilona Mettiäinen

## SCIENCE CENTRE

Chief Executive Producer Nicolas Gunslay

The Arktikum Science Centre has a great experimental and interactive permanent exhibition that popularizes Arctic information in various functional exhibitions, public events and international projects. Almost 78 000 persons visited the Arktikum house in 2012, half of them from abroad. In 2012, the Arktikum was praised in international travel guides.

In the beginning of 2012, the Science Centre started to lead a transformation of the first nuclear icebreaker into a science centre. The Arctic Centre and its partners Polaria (in Tromsø Norway) and Atomflot (in Murmansk, Russia) were granted 1.2 million euros by Kolarctic ENPI CBC program to produce a science and historical exhibition on board Icebreaker Lenin. The project *Arctic Expo Centre – Nuclear-Powered Icebreaker Lenin – ICE* enables the partners to share expertise and to build a new science exhibition centre focusing on the Arctic.

In 2012 Arktikum Science Centre and Faculty of Art and Design strengthen their co-operation by starting a new shared position, Lecturer in Visual Culture Studies. In the autumn art students designed an element to Voyages Beyond in an exhibition planning course.

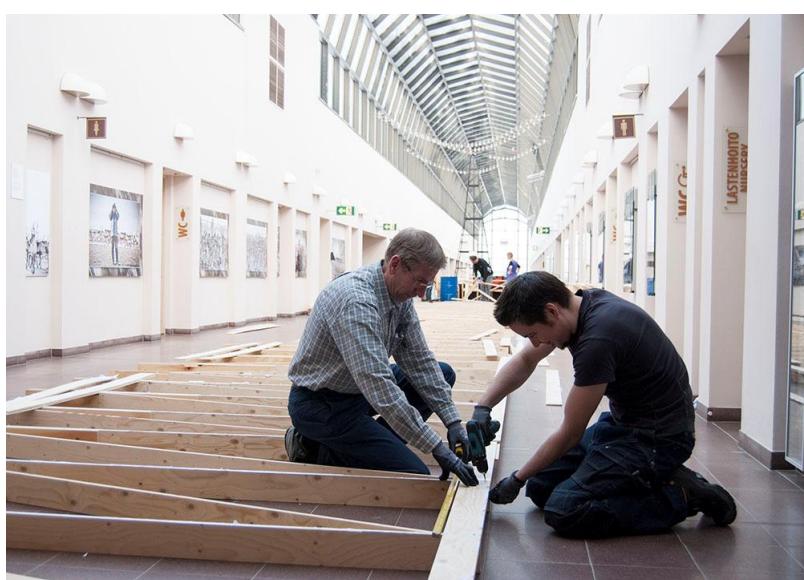
### Temporary Exhibitions:

Arktinen musta kulta / Arctic Black Gold (from December 9, 2011 to May 6, 2012) told about the current oil consumption and how it affects the northern communities.

Iceberg installation (February 2012) was an architectural, audiovisual and interactive artwork in the corridor of Arktikum. The installation was built in a workshop with the Faculty of Art and Design.



Ari Laakso on board Lenin. Photo: Nicolas Gunsley



Foremen Raimo Pankkonen and Tero Poikela build the Iceberg installation. Photo: Marjo Laukkanen

Vuoden luontokuvat / Nature Photographs of the Year 2011 (from 13 March to 15 April) presented the winning photos of the traditional competition organized by the Finnish Nature Photographers' Association.

Kurkista luontoon / Nature at a Glance (from 25th May to 28th October 2012) challenged the visitor to take a closer look at nature and to see its' diversity.



The opening of the Nature at a Glance exhibition. Photo: Arto Vitikka

Matkoja tuonpuoleisiin / Voyages Beyond (from December 3, 2012 to May 5, 2013) revealed the power of shamanhood by taking visitors to voyages beyond – and back. Exhibition was based on the field work done by Professor Juha Pentikäinen.



Nanai shaman drum in Voyages Beyond exhibition.  
Photo: Jenni Lintula

## SCIENCE COMMUNICATIONS

Head of Science Communications Markku Heikkilä

The Science Communications unit is a leading expert in popularizing Arctic research and information, and sharing it with various audiences from local people to global arenas. While the audience of the Arctic Centre's Arktikum science centre exhibitions are such as kids, school pupils, tourists and local families, the Science Communications focuses on media and professional audiences like policy and decision makers, experts, researchers and businesses. It also approaches local community by organizing public discussions.

Multiple communication channels like weekly press releases, websites, newsletters, social media, databases, web portals and leaflets support the messages to reach the interest groups. The Science communications is responsible of the public relations of the Arctic Centre along with the Director. The Science communications is also testing innovative communication methods, such as publishing a book about travels to river Ob as a combination on photos and documentary poetry.

The Science Communications has special experience and knowledge in Barents information dissemination due to cooperation contract with the International Barents Secretariat (IBS) in Kirkenes and several Barents communications projects within the last ten years. Latest example of Barents communications cooperation is Kolarctic ENPI funded Barents Mediasphere project. The project is led by the Arctic Centre's Science Communications with partners from TV Murman from Russia and BarentsObserver from Norway. The aim of the two year project is to increase the visibility of the Barents Region by promoting cooperation between journalists and cross-border communication in the region.

The Science Communications organizes yearly dozens of events, seminars, lectures, symposiums etc. with research groups, science centre and other partners like Ministries and universities. The unit organizes Arctic Centre's visitors programs and presents Arctic Centre's activities to guests from all over the world on average weekly bases. Many of the Science communications staff writes Arctic and Barents related columns and articles for example in local newspapers and University's stakeholder magazine Kide.



### SCIENCE COMMUNICATIONS MILESTONES IN 2012:

- Barents Mediasphere project started
- New four year Barents information contract started with the International Barents Secretariat
- Finnish Arctic Expertise brochure for the Ministry for Foreign Affairs updated and published in Finnish, English and Russian. Contract signed about a popular Arctic book to be published in 2013
- Arctic Centre goes to Twitter: [https://twitter.com/Arctic\\_Centre](https://twitter.com/Arctic_Centre)
- Funding for "From research to story" project from the Finnish Society for Scientific Information
- Participation in organizing Arktikum House 20 years anniversary week in December
- Several Barents Cafe discussion forums and other events organized



Arctic Centre in social media: Twitter, Facebook and WordPress blogs.

## LIBRARY

The Arctic Centre library at the Arktikum is open for tourists, researchers, students, local people and visitors of the Science Centre of the Arctic Centre, the Regional Museum of Lapland and the Pilke Science Centre of Metsähallitus (state owned company on forest and park service). During the year 2012 the library of the Arctic Centre carried on cooperation with the Science Communications and the research units by producing two book exhibitions. The first book exhibition dealt with the land law questions arising from the ILO Convention 169. The second book exhibition was based on the book collection donated by prof. Juha Pentikäinen. It dealt with northern languages and the "arctic mind". The library organized together with the science communications two Barents café meetings at the library.

The library carried on cooperation with other partners at Arktikum and Pilke. A common media workshop for eight-graders was organized during the international museum week in May. A plant species identifying workshop was organized together with the science center in August. During the international Museum day in May and during the Rovaniemi day in September the library had extra opening hours and some program during the times Arktikum and Pilke had free entrance and special program for visitors.

In March the library moved from its previous premises to the previous Aurora meeting room next to the café.



Book exhibition "Pohjoinen kieli" about northern languages and the 'arctic mind' donated by prof. Juha Pentikäinen.  
Photo: J-E. Kukko.

## ART GALLERIES VALO AND KATVE

The Faculty of Art and Design at the University of Lapland has two art galleries at the Arctic Centre in Arktikum. In the galleries students of the faculty and members of staff can present their art. The gallery spaces can also be hired by external parties. In addition to art from what might be called the traditional fine arts, the gallery exhibits, among other things, industrial art and media-related productions.

In 2012 altogether 12 exhibitions or related productions were presented in VALO and KATVE galleries.

## EU ARCTIC INFORMATION CENTRE INITIATIVE

The EUAIC initiative was made during years 2009 - 12 as the most experienced professional network of European institutions for information, outreach and insight into Arctic issues. It is made by an international network of 19 leading Arctic research and outreach institutions from the various European Union Members States, and the EEA countries.

The network's objective is to provide the European Union, its citizens, institutions, companies and Member States with an Arctic information source and factual overview about the status and trends in the Arctic. The EUAIC initiative network aims to act as a 'boundary organization' of information that facilitates two-way communication between experts, decision makers, stakeholders and the public.

The initiative is organized using a network model to operate on the basis of existing expertise and infrastructures of its network members. The network initiative has its headquarters located at the Arctic Centre (Rovaniemi, Finland). The initiative follows the Arctic statements of the European Union (Commission 2008 and the Council 2009) that have high importance for sustainable development of the Arctic regions.

### 1. NETWORK MEETING

EU Arctic Information Centre, January 11-12, 2012 at the International Polar Foundation, Brussels, Belgium

### 2. STEERING GROUP MEETING

EU Arctic Information Centre, March 5-7, 2012, at the Arctic Centre, Rovaniemi, Finland

On the July 6, 2012, DG Environment has published the call for tender for the Strategic environmental impact assessment of development of the Arctic and setting the deadline on 31 August 2012. The Network worked hard during the summer and the final application was submitted on 30.08.2012, 1 day before the deadline.



The application package sent to Brussels was 13,5 kg. Photo: Jenni Lintula

On November, 26th 2012, the European Commission represented by the Directorate-General Environment, Director of International Affairs, LIFE & Eco-Innovation Mr. Timo Makela, informed that 'your bid has been selected for the award of the procurement contract'. Our Tender Proposal has been accepted. Another necessary step towards establishment of the EU Arctic Information Centre was made. The contract was signed in December 19 and the project was launched.

## ADMINISTRATION

The Arctic Centre has an international staff of approximately 50 person years was done in 2012: Professors, researchers, students, communication experts, producers and planners.



Development Day for the staff in Sajos, Inari. Photo: Kamil Jagodzinski

The staff conducts internationally renowned multidisciplinary research, train specialists in Arctic affairs, and increase knowledge and understanding of northern regions and their people, with a view to promoting sustainable development in the Arctic. Many of them serve as specialists in international and national tasks. The staff has also very wide and active network of contacts around the world.

### THE ARCTIC CENTRE BOARD (20.4.2010 - 31.12.2013)

Presenter: Director Paula Kankaanpää

Secterary: Administrative Secretary Riitta Aikio

Chairman: Director Matti Hepola, Centre for Economic Development, Transport and the Environment, Lapland

Members: Professor Minna Uotila (vice chairman), Dean Timo Jokela, Lecture Lassi Heininen, Professor Susan Meriläinen, Professor Esa Poikela, Director of International Relations Outi Snellman and Professor Lotta Viikari

Staff representative: Head of Science Communications Markku Heikkilä

External member: Director Kari Laine, Thule Institute, University of Oulu

## THE ARCTIC CENTRE SCIENTIFIC ADVISORY BOARD (2009 – 2012)

The Arctic Centre's distinguished scientific board meets yearly and it has an advisory and supervisory role. The international board includes:

- Dr. Karl Erb (Chairman), the Director of the Office of Polar Programs (OPP) at the National Science Foundation (NSF) since 1998.
- Dr. Elena Andreeva, leading social science researcher in the Institute for System Analysis of Russian Academy of Sciences, Moscow.
- Dr. Frank Burnet, Professor, Executive Director of Science Communication Unit, Bristol University
- Ms. Liisa Holmberg, the Rector of the Sámi Education Institute in Inari, Finland.
- Dr. Grete Hovelsrud, an anthropologist, is currently a senior researcher at CICERO, Center for International Climate and Environmental Research-Oslo.
- Dr. David Leary, Senior Research Fellow in the Faculty of Law at the University of New South Wales, Sydney Australia and a Visiting Research Fellow at the United Nations University-Institute of Advanced Studies , Japan.
- Ms. Annika Lindblom, Senior Adviser for sustainable development in the Ministry of the Environment of Finland
- Dr. Peter Prokosch, the Managing Director of UNEP/GRID-Arendal, a Norwegian foundation which supports the United Nations Environmental Programme.
- Dr. Philip A. Wookey, Professor of Ecosystem Ecology at the University of Stirling, Scotland.



The Arctic Centre Scientific Advisory Board and staff on Vaattunkiköngäs bridge in 2012.

## FUNDING

The Arctic Centre's basic budget comprises the share from the University of Lapland and the appropriation granted by the Ministry of Education. The sources of external funding are Academy of Finland, EU framework and regional programs, ministries and companies.

BUDGET BY THE ARCTIC CENTRE

	<u>2012</u>
Basic budget	3,562 m€
External funding	1,228 m€
TOTAL	4,790 m€

## EXTERNALLY FUNDED PROJECTS IN 2012

### SCIENCE CENTRE PROJECTS

Natural Europe / Nicolas Gunslay / EU-FP7, partner / 1.10.2010 – 30.9.2013

Arctic Expo Centre - Nuclear-Powered Icebreaker Lenin - ICE / Nicolas Gunslay / EU Kolartic ENPI, lead partner / 1.5.2012 - 30.4.2014

Places / Anniina Koivurova / 7<sup>th</sup> FTP / 2012 – 2014

### RESEARCH PROJECTS

#### 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

TUNDRA - How to Preserve the Tundra in a Warming Climate / Bruce Forbes / NordForsk, Nordic Centre of Excellence / 1.1.2011 – 31.12.2015



Photo: J-E. Kukko.

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

Sval Glac / John Moore / Liikenne- ja viestintäministeriö / 1.1.2010 – 31.12.2012

SVALI - Stability and Variations of Arctic Land Ice / John Moore / Nord Forsk, Nordic Centre of Excellence / 1.1.2010 – 31.10.2015

### SUSTAINABLE DEVELOPMENT RESEARCH GROUP

ACCESS – Arctic Climate Change, Economy and Society / Anna Stammler-Gossman / EU-FP7 / 1.3.2011 – 28.2.2015

ORHELIA – Oral History of Empires by Elders in the Arctic / Florian Stammler / Suomen Akatemia / 1.9.2011 – 31.8.2015

BIPE - Barents International Political Economy: Governance and Gender in Development / Monica Tennberg / NordForsk / 1.10.2010 – 30.09.2012

MISTRA – Mistra Arctic Futures: "Preparing for and Responding to Disturbance: Arctic Lessons for Sweden" / Monica Tennberg / Umeå University

### NORTHERN INSTITUTE FOR ENVIRONMENT AND MINORITY LAW

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

Ihmisoikeustutkimuksen tutkijakoulu / Timo Koivurova / Åbo Akademi / 1.1.2010 – 31.12.2013

The Reform of the Arctic Council / Timo Koivurova / Walter & Duncan Gordon Foundation / University of Toronto / 24.11.2010 – 1.12.2012

### ADMINISTRATION

Tieto ympäristön käytön suunnittelussa ja päätöksenteossa / Paula Kankaanpää / EAKR / 1.1.2010 – 31.12.2012

ARKTIS 2010–2013, Arktinen tutkijakoulu / Paula Kankaanpää ja Päivi Soppela / Suomen Akatemia, tutkijankoulutuskurssit / 1.1.2010 – 31.12.2013

## SCIENCE COMMUNICATIONS

"From research to story" / Markku Heikkilä/  
Finnish Society for Scientific Information / 2012 -  
2013

Barents Euro-Arctic Council website, Barentsinfo-  
portal, Barents Information Strategy / Markku  
Heikkilä / Barents Euro-Arctic Countries /  
1.1.2012 – 31.12.2015 (continuation for the first  
period 1.1.2008 – 31.12.2011)

Barents MediaSphere / Markku Heikkilä /  
Kolarcctic ENPI program / 1.9.2012 - 31.12. 2014



Photo: Arto Vitikka.

## MAIN EVENTS IN 2012



Ms. Catherine Ashton, High Representative of the Union for Foreign Affairs and Security Policy and Vice President of the Commission visited Rovaniemi and the Arctic Centre of the University of Lapland with Erkki Tuomioja, Finnish Minister for Foreign Affairs in March 2012 Photo: Eero Kuosmanen

- International Polar Foundation-meeting in Brussels, 11.01.
- Barents Café: Media in change - northern perspective / *Median muutos & pohjoinen näkökulma*, 18.1.
- Barents Café: Feminist perspectives on the present and future of Lapland / *Feministisiä näkökulmia lappilaiseen nykyisyyteen ja tulevaisuuteen*, 26.1.
- Nature pictures / *Luontokuvailta: Markus Varesvuo*, 9.2.
- Baltic Sea States Sub regional Co-operation-meeting, 23.2.
- Workshop Iceberg: Rovaniemi Design Week event, 25.2.
- Bird evening, public lectures in cooperation with Provincial Museum of Lapland and Lapland Ornithologic Association / *Lintulta*, 25.2., 15.3., 27.9., 15.11.and 14. - 15.12.
- Snow play at Sahanperä-district at Arktikum yard/ *Sahanperän lumileikit: Uitto-projekti Akrtikumin pihapiirissä*, 25.2.
- The doctoral dissertation of the Arctic Centre's researcher, Tanja Joona, 26.2.
- EU Arctic Information Centre Steering Group meeting, 5. - 7.3.

- Barents Café: Art and culture sector's training in the Arctic region / *Taide- ja kulttuurialojen koulutus arktisella alueella*, 13.3.
- First public performance of 'Les Feux Arctiques' / *Elokuvan kantaesitys: Arktiset tulet*, 13.3.
- ARKTIS Annual Seminar "Science-Policy Interface - Societal Impacts of Arctic Research", 15. - 16.3.
- The final seminar of the 'Information in Lapland' project / *Tieto-hankkeen päätösseminaari*, 16.3.
- Spring meeting of the Nordic Centre of Excellence NCoE Tundra, 19. - 21.3.
- ARKTIS welcome new students, 20.4.
- Barents Café: Barents region's future - European locomotive or colony? / *Barentsin alueen tulevaisuus - Euroopan veturi vai siirtomaa?*, 23.4.
- Barents Café and opening of a book exhibition, 15.5.
- International museum day / *Kansainvälinen museopäivä: Säpinää Sahanperällä*, 15.-16.5.
- INSPIRAATIOA: Koululaisten mediatyöpajat, 15.-16.5.
- Exhibition planning course, May
- NASA Yamal LCLUC Meeting, 19. - 21.5.
- The Arctic Centre Scientific Advisory Board, 22. – 23.5.
- Seminar on wildlife tourism in Lapland / *Seminari: Wildlife-matkailun mahdollisuudet Lapissa*, 22.5.
- Opening of the 'Nature at a Glance exhibition' / *Näyttelyn avajaiset: Kurkista luontoon*, 24.5.
- Bird Atlas of Rovaniemi steering group's meeting , 27.6.
- The 13th Rodens et Spatium conference, 16.-20.7.
- Barents International Political Economy –workshop, 29. - 30.8.



Barents Internatiol Political Economy (BIPE) –workshop, 29. - 30.8. Photo: Jenni Lintula

- Exhibition planning course, Semtember
- Arctic Centre's delegation visiting Salekhard, Yamal, Sept 2012



Arctic Centre's delegation visiting Salekhard, Yamal, Sept 2012.  
Photo: The Yamal Polar Agricultural and Economic College

- Fifth Polar Law symposium, 6. - 8.9.
- ARKTIS steering group's meeting, 20.9.
- Climate day / *Ilmastopäivä*, 9.10.
- Indigenous Knowledge systems –workshop, 4.10.
- Seminar and movie on 'Old Believers' / *Vanhauskoisuusseminaaari ja elokuva*, 26.11.
- Workshop "Oral History and Arctic Anthropology", 25. - 28.11.
- Seminar: Proposal to Develop a Model Law of Ice, 3.12.
- Movie: Eleven human images by Lehmuskallio & Lapsui / *Elokuvaesitys: Yksitoista ihmisen kuva Lehmuskallio ja Lapsui*, 30.8.
- Rovaniemi –day: open house at Arktikum, 9.9.
- The doctoral dissertation of the Arctic Centre's researcher Waliul Hasanat, 4.9.
- The doctoral dissertation of the Arctic Centre's researcher Emilie Beaudon, 14.9.
- Prof. Sandra Harding; lectures, workshop and meeting, 1. - 5.10.
- EuroBirdwatch –event, 6.10.
- Book publishing: Notes from river Ob / *Kirjan julkistamistilaisuus: Merkintöjä Ob-joelta*, 22.10.

- Public lecture by Juha Joona / *Yleisöluento*, 22.10.
- Barents Café: Northern language and arctic mind / *Pohjoinen kieli ja arktinen mieli*, 23.10.
- Workshop by Christian Flores: Making a documentary with almost zero experience, 14.11.
- ARKTIS quest lecture by Gail Fondal, 13.11.
- Arctic Fury film festival / *Arktista vimmaa -elokuva- ja mediefestivaali*, 6.-10.11.
- Workshop by Christian Flores: making film from field materials, 15.11.
- Public lecture by Tanja Joona about ILO convention effects on sami / *Yleisöluento* 15.11.
- Christian Flores: filmscreening "How do we see the sea", 20.11.
- Guest lecture by Dr. Dmitii Kochkov, 22.11.
- Guest lecture by Niklay Vahtin, 26.11.
- Guest lecture by Elena Lyarskaya, 27.11.
- Guest lecture by Sivi Kivelä, 27.11.
- Lecture and film by Prof. Del Acebo, 28.11.
- Publication of the Lapland Brand 2.12.
- Opening of the Voyages Beyond exhibition / *Näyttelyn avajaiset: matkoja tuonpuoleisiin*, 2.12.
- Arktikum 20<sup>th</sup> Anniversary, 2.12.
- Barents Café: Is it worth the handicrafts? / *Kannattaako käsityö*, 13.12.
- Arctic Market Days / *Arktiset Markkinat*, 14. – 16.



Arctic Market Days in December 2012. Photo: J-E. Kukko

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Members of Arctic Centre staff  
are marked with bold

**Arktis** the author or one of the authors  
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## EXPERT MEMBERSHIPS

The staff of Arctic Centre is participating as experts in various national and international boards. This activity has wide scientific and societal impact. Here are some examples of memberships in 2012.

### PUBLICATIONS

- Acta Borealia - A Nordic Journal of Circumpolar Societies / Elina Helander-Renvall, member of editorial Board
- American Journal of Climate Change / John Moore, editor in chief
- Arctic and Antarctic Journal / Anna Stammler-Gossmann, co-editor
- The Arctic Review of Law and Politics / Timo Koivurova, editor & Kamrul Hossain, member of editorial board
- Chinese Journal of Polar Science / John Moore, member of editorial board
- Climate Change Research Letters / John Moore, editor in chief
- Cooperation and Conflict. Journal of the Nordic International Studies Association / Monica Tennberg, member of editorial advisory board
- Council for Finnish University Libraries, Research Support Network / Liisa Hallikainen, representative of the University of Lapland
- The Cryosphere / John Moore, member of editorial board
- Ecology and Society/ Bruce Forbes, Subject editor
- Fennia / Bruce Forbes, member of editorial board
- Geografiska Annaler: Series A, Physical Geography / Paula Kankaanpää, co-editor
- International Journal of Wilderness / Anna-Liisa Ylisirniö, associate editor
- Journal of International Women's Studies / Kamrul Hossain, member of editorial board
- Landscape and Urban Planning / Jukka Jokimäki, member of editorial board
- Nordic Journal of International Law / Timo Koivurova, co-editorship
- Nordic Journal of Environmental Law / Timo Koivurova, co-editor
- Pastoralism Journal / Florian Stammler, member of editorial board
- Polar Geography / Bruce Forbes & Paula Kankaanpää, members of editorial board
- Rangifer / Päivi Soppela, co-editor
- Finnish game *Suomen riista* / Osmo Rätti, member of editorial board
- The Yearbook of Polar law / Timo Koivurova, editor-in-chief & Kamrul Hossain, special editor (volume 3)
- Yearbook of Polar Law / Kamrul Hossain, Book Review Editor

### BOARDS, COMMITTEES AND WORKING GROUPS

- Antarctic Research Coordination Group *Etelämanner-tutkimuksen koordinatioryhmä*, Ministry of Education and Culture *Opetus- ja kulttuuriministeriö* / Paula Kankaanpää, member
- Arctic Committee of Finland *Suomen Arktinen neuvottelukunta*, Prime minister's office *Valtioneuvosto* / Paula Kankaanpää, member
- Arctic Design / Anna Hyvönen, vice chair of steering group
- Arctic Human Development Report II (AHDR-II), Sustainable Development Working Group, Arctic Council / Bruce Forbes, member of steering group and lead author & Timo Koivurova, lead author
- Arctic Research Consortium of the US, ARCUS. Timo Koivurova, Executive Board Member, Paula Kankaanpää, Council Member
- Arctic Social Indicators (ASI), Sustainable Development Working Group, Arctic Council / Bruce Forbes, member
- ARKTIS Doctoral Programme / Directory Board members: Paula Kankaanpää, Päivi Soppela, Monica Tennberg, Bruce Forbes, Timo Koivurova and Ilona Mettiäinen / Deputy members: Adam Stepien, Jukka Jokimäki and Elina Helander-Renvall

- Background group of Arctic Council, Ministry for Foreign Affairs *Arktisen neuvoston taustaryhmä*, *Ulkoministeriö* / Paula Kankaanpää, expert member
- Background Group of Barents Council *Barentsin neuvostontaustaryhmä*, Ministry of Foreign Affairs *Ulkoministeriö* / Markku Heikkilä, expert
- Board of the Arctic Research Consortium of the US (ARCUS) / Timo Koivurova, member
- Climate adaptation strategy of the Regional Council of Lapland *Lapin liiton ilmastostrategia* / Monica Tennberg, chair of steering committee
- Different Land-Uses and Local Communities in Mining Projects (DILACOM) / Antti Aikio, member of steering group
- EU Cost Action FA0906 UV-B radiation: A specific regulator of plant growth and food quality in a changing climate (UV4Growth) / Minna Turunen, Member of management committee
- Extractive Industry Working Group of IASSA (International Arctic Social Sciences Association) / Florian Stammler, coordinator
- European Science Foundation: Expert Boards and Committees – assessment committee / Paula Kankaanpää, member
- Finnish National Committee of Arctic and Antarctic Research *Polaarialueiden tutkimuksen kansallinen komitea*, Council of Finnish Academies *Suomen tiedeakatemia* / Paula Kankaanpää, member & Arto Vitikka, secretary
- Finnish Meteorological Institute Advisory Board *Ilmatieteen laitoksen neuvottelukunta* / Paula Kankaanpää, chair
- The Finnish Publication Forum Project / Osmo Rätti, member of panel (Biological sciences I)
- The Finnish Association of Non-fiction Writers *Suomen Tietokirjailijat ry* / Markku Heikkilä, member of board & regional chair of Lapland

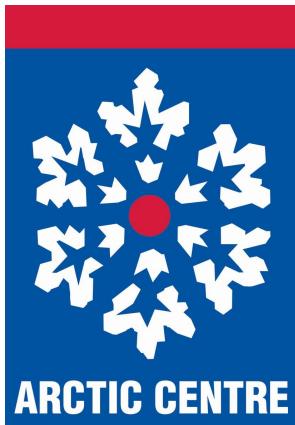


The expertise of the Arctic Centre staff is respected in many national and international boards.

Photo: Kamil Jagodzinski

- Fulbright Board, Finland-United States Education Commission (FUSEC) / Bruce Forbes, member
- Hammastunturi reindeer herding co-operative / Terhi Vuojala-Magga, member
- Human Rights and Climate Change Working Group / Sebastian Duyck, co-coordinator
- Human rights delegation overseeing the newly established Human Rights Centre / Timo Koivurova, member

- Intergovernmental Panel on Climate Change, 5th Assessment Report, Working Group II Impacts, Adaption and Vulnerability / Bruce Forbes
- The International Advisory Board on Human Rights, Ministry of Foreign Affairs / Timo Koivurova, expert member
- International Arctic Science Committee (IASC) Glaciology Network / John Moore, Finnish representative
- International Arctic Social Sciences Association (IASSA), Florian Stammmer, Executive Council Member
- The international environmental law interest group of the American Society of International Law (ASIL) / Timo Koivurova, co-chair
- The IUCN's Academy of Environmental Law (ICEL) / Kamrul Hossain, member
- The IUCN's International Council of Environmental Law (ICEL) / Timo Koivurova, member
- The IUCN's Commission on Environmental (CEL) / Timo Koivurova, member
- Kilpisjärvi village environment project *Kilpisjärven kyläympäristöhanke* / Anna-Liisa Ylisirniö, member of steering committee
- Lapland Ornithologic Association *Lapin lintutieteellinen yhdistys* / Jukka Jokimäki, member of board
- Lapland Research Association *Lapin tutkimusseura* / Osmo Rätti, deputy member of board
- Lapland as a brand, working group of the Regional Council of *Lapland Lapin liiton Lappi-brändin työryhmä* / Markku Heikkilä, member of expert group
- LTSER, Long-Term Socio-Ecological Research in Lapland *Ympäristöalan pitkääikaisaineistot Lapin tutkimusasemien verkostoitumisen kilpailutekijänä* / Anna-Liisa Ylisirniö, member of the steering group
- Nordic Network on sami and indigenous law (NORSIL) / Timo Koivurova, member of steering committee
- The Norwegian Research Council's Geopolitikk-Nord / Timo Koivurova, member of steering committee
- The Norwegian Research Council's NORRUSS / Kamrul Hossain, member of expert panel
- The Norwegian Research Council's NORRUSS / Timo Koivurova, member of steering committee
- Research on reindeer farming and natural source of livelihood advisory board *Porotalous- ja luontaiselinkinotutkimuksen neuvottelukunta*, Ministry of Agriculture and Forestry *Maa- ja metsätalousministeriö* / Minna Turunen, member
- Research Ethics Board of ACCESS ( Arctic Climate Change, Economy and Society), Anna Stammmer-Gossmann, Chair
- Research Council of Norway / Kamrul Hossain, panel member of grant evaluation committee
- Restoration of the freshwater pearl mussel populations with new methods / Minna Turunen, member of the steering group
- Russian Geographical Society / Florian Stammmer, expert member (*deistvitel'nyi chlen*)
- Scientific Council of Russian Reindeer Herders Union / Florian Stammmer, expert member
- The Social Science Working Group in the Committee on Polar Research of the Polish Academy of Sciences / Adam Stepień, member
- Standing Committee on Antarctic Data Management / Arto Vitikka, member
- ThinkBarents / Markku Heikkilä, member of steering group
- UNEP Civil Society Advisory Group on International Environmental Governance / Sebastian Duyck, member
- UNEP Civil Society Regional Representative, Sébastien Duyck representative for Europe Climate Action Network Working Group on NGO Participation / Sébastien Duyck, co-coordinator
- University of the Arctic's Arctic Extractive Industries Thematic Network / Florian Stammmer, lead
- University of the Arctic's Arctic Law Thematic Network / Timo Koivurova, chair & Tanja Joona, vice-lead
- Walter and Duncan Gordon Foundation, Canada / Paula Kankaanpää, invited Arctic Security expert
- World Library and Information Congress, 78th IFLA General Conference and Assembly, 11–17 August 2012, Helsinki, Finland / Liisa Hallikainen, member of advisory board



#### MULTIDISCIPLINARY RESEARCH INSTITUTE AND SCIENCE COMMUNICATOR

The Arctic Centre founded 1989 at the University of Lapland is a national and international hub of information and centre of excellence, which conducts multidisciplinary research in changes in the Arctic region and in their impacts. About 80 researchers, communicators and other professionals work at the Arctic Centre.

#### CONTACT INFORMATION:

Arctic Centre at the University of Lapland  
PO. Box 122 (Pohjoisranta 4, Arktikum house)  
96101 ROVANIEMI

Tel. +358 (0)16 341 341  
Fax. +358 (0)16 362 934  
Email: [arcticcentre@ulapland.fi](mailto:arcticcentre@ulapland.fi)

[www.arcticcentre.org](http://www.arcticcentre.org)  
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