



ARCTIC CENTRE

ANNUAL
REPORT
2015

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ARCTIC CENTRE
University of Lapland

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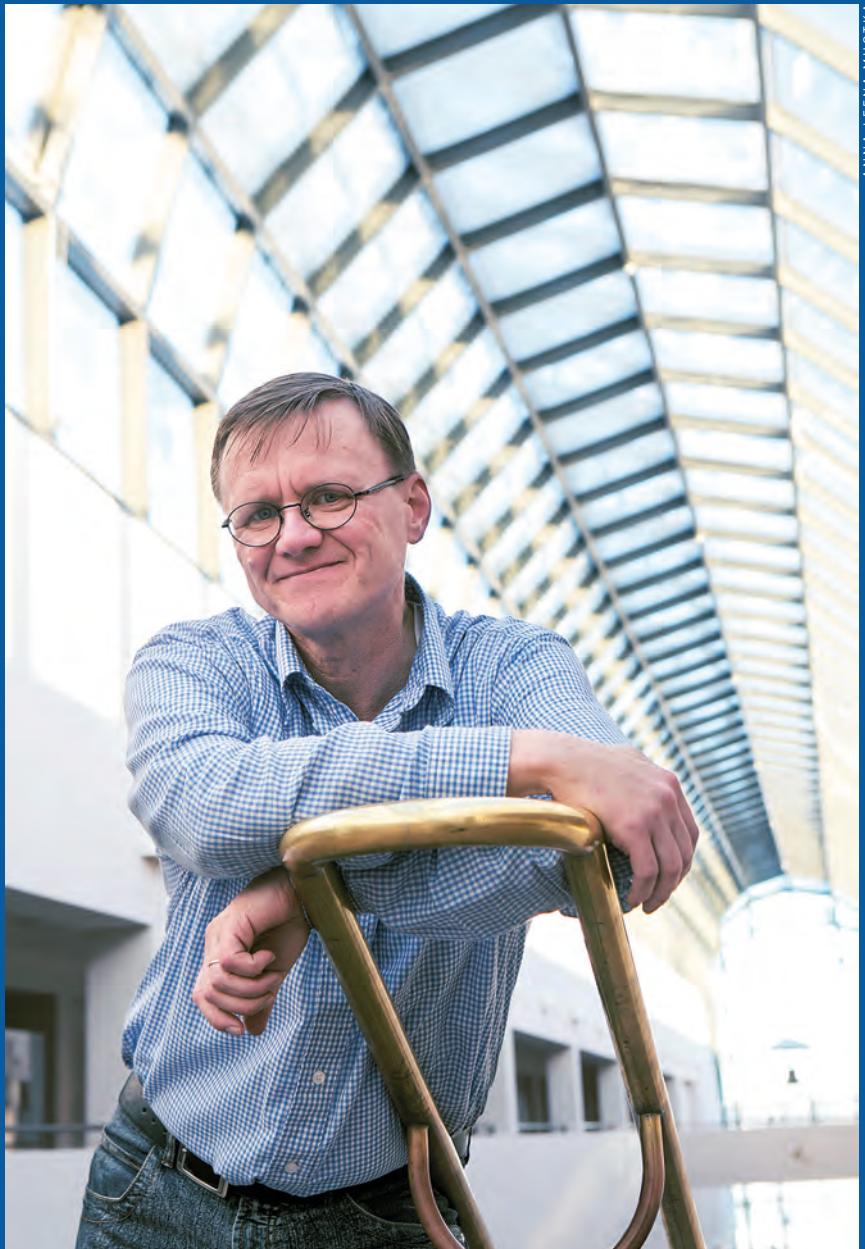
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Council
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ANNA-LEENA MUOTKA

THE NEW DIRECTOR

Professor Timo Koivurova started as the new Director of the Arctic Centre in 2015. Before his nomination Koivurova worked as the Director of the Northern Institute for Environmental and Minority Law at the Arctic Centre. Timo Koivurova is a docent at the universities of Turku and Eastern Finland. His field of expertise is international and EU law, and especially their applications in the Arctic region. He has been an expert member in many international processes and cooperative networks concerning the Arctic region and has written an extensive amount of publications about that theme.

FROM THE DIRECTOR

For the Arctic Centre, 2015 meant both change and continuity. Change in the sense that our long time director Paula Kankaanpää left for new challenges and as a result of the selection process I started as the new Arctic Centre director at the end of the year. That matters, both to me personally and to an institution like the Arctic Centre. For me it meant a jump into unknown, even if I had worked here for years already and thought I knew what we were doing. But these things are never what one thinks they would be. Changing a position also means changing of one's perspective. The multitude of activities in the Centre, the possibilities and also the demands came as a surprise, but a positive one.

From the institutes' point of view this was merely one step in its history. The dominant factor for the Arctic Centre is continuity – the quality and impact of all our activities, our research combined with outreach. The Arctic Centre has already reached a level where it is more than the sum of its parts. It is living through its ambition stated at the current Arctic Centre strategy - that of being one of the globally relevant Arctic institutes.

But in order to be relevant globally, we need also to be relevant locally. The key word is the impact of what we do – impact of our work on the wider world, impact on the things that surround us.

This is a difficult thing to measure. Many efforts have been made to create indicators of the societal impact of the academic activity. Societal impact is seen as the third task of the universities besides research and education. Still, there seems to be a wide-spread confusion about what indicators should be used.

From this perspective, the Arctic Centre is no better than the others. In the pages of the Annual Report 2015 you will find information of our research activities, projects, publications and cooperation in national and international expert boards. The latter tells something about our societal activity. However, what you will not find are numbers and indicators of our societal impact. These cannot be shown in simple statistics but the societal impact is vastly important to the Centre.

For a director of an institution it is always easy and tempting to say that we are unique. Luckily in the case of the Arctic Centre this can be proved by the facts. There simply is no other research institute in Finland – and there are not many elsewhere – in which a science centre and active science communication are an integrated part of the activities. By the way, last year the Arktikum House made a record with over 90 000 visitors.

All this multiplies the impact of our research. We are hosting a number of events and activities and our expertise is much in demand in various forums from local to international level. The Arctic Centre is fully committed to giving something back to the society.

An obvious moment of proving our societal impact is approaching with the upcoming Finnish chairmanship of the Arctic Council and the centennial celebration year of Finnish independence, 2017. Preparations for these were ongoing already in 2015, but the perspective of the Arctic Centre goes beyond that. The Arctic remains a crucial, fascinating and beautiful region of the globe. We want to be there for years to come as a key player increasing the knowledge and understanding about the Arctic, our home. ☃

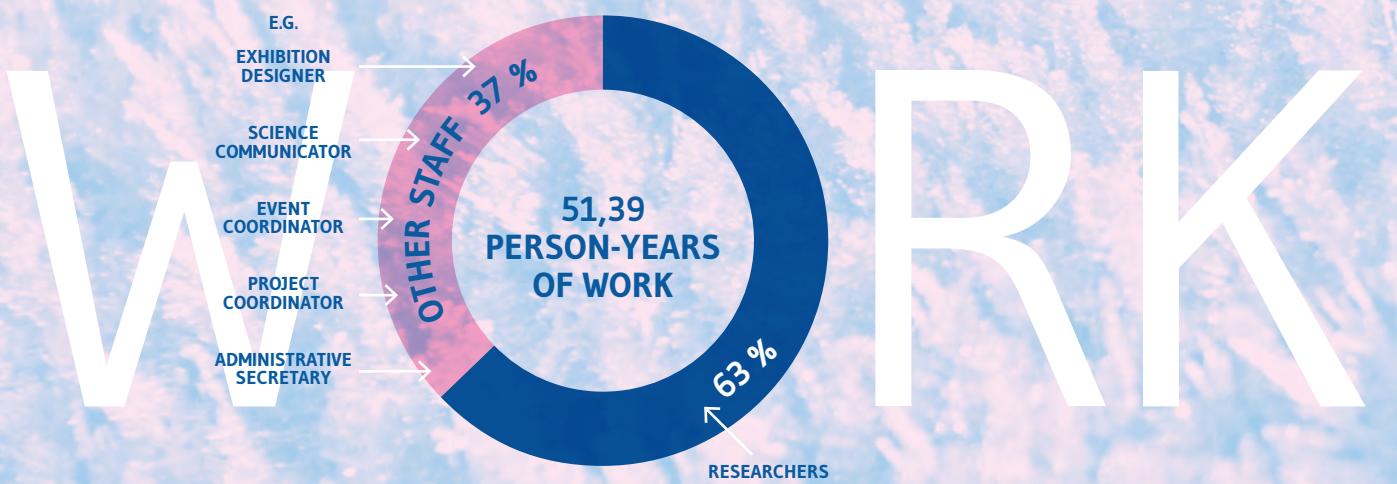
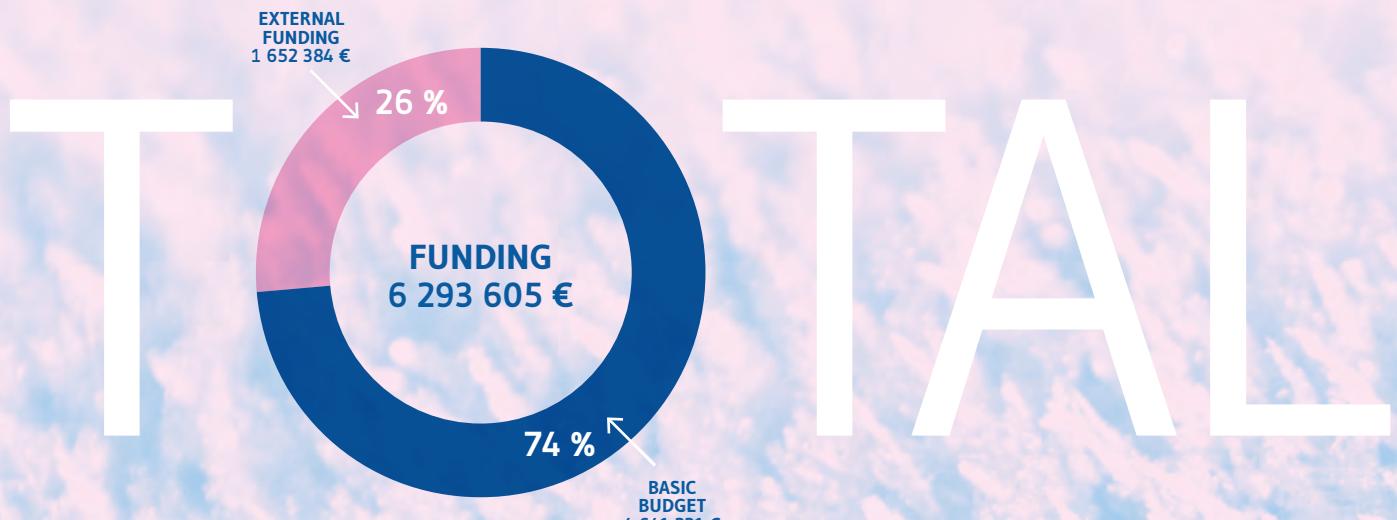
Arctic Fish-
Fishers-Fisheries:
Scientific and
Local Knowledge
Convergence

MarSafenet
Internal meeting:
New Challenges
Facing the Arctic
Ocean and Other
Fragiles Seas

The Second
Scientific
Advisory
Board
Meeting

The Thematic
Network on
Arctic Law
Meeting
(Arctic and
NIEM)

UNIQUE ARCTIC EXPERTISE



VISITING PERSONNEL

24
RESEARCHERS FROM

12
DIFFERENT COUNTRIES

4
MONTHS AVERAGE
VISITING TIME

10
INTERNS FROM

4
DIFFERENT COUNTRIES

1,5
MONTHS AVERAGE
WORKING PERIOD



The 30th Anniversary Seminar of the Northern Institute for Environmental and Minority Law "How to develop human and fundamental rights research in Finland" was held on 10 –11 September 2015.



DOCTORAL DISSERTATION
Marjo Lindroth:
"Governing Indigeneity Globally:
Indigenous Peoples in the United Nations"
(University of Lapland)



THE IMPACT OF RESEARCH: BRIDGING THE GAP

TEXT EVA VAN SCHIJNDEL

The 'Environmental Conflict Mediation' project shows how communication plans can be incorporated into research. Leena Heinämäki, senior researcher at the Northern Institute for Environmental and Minority Law (NIEM) shares her experiences.

Understanding environmental conflict mediation and the circumstances under which it could be used was the aim of the project. Some environmental conflicts are complex because of their multifaceted nature. It can be challenging to truly understand a certain conflict when you come from outside. In case of this project the research was community based. This means that you don't just study legal norms but you study a topic where communities are the knowledge-holders. 'They are not just being used as objects for our purposes,' Heinämäki says. Participation in community based research is not something that is self-evident; it requires communication to make people realize that they will benefit from the research.



WHAT IS IMPORTANT IS THAT EVERYBODY IN THE TEAM HAS THE SAME VISION

To tackle this challenge the project established a platform for interaction which helped to bridge the gap between the local people, the decision makers and the researchers. The platform organized meetings where local Sami from the Käsivarsi area were invited to come and express their concerns about the environment and the traditional way of life.

Besides engaging in dialogues, the project's communication was multi-dimensional. A professional science communication team consisting of two journalists, a filmmaker and music composer shared the stories with the world via twitter, podcasts, filmed expert interviews and a documentary for diverse local and international audiences.

The research got a lot of good feedback from the local Sami community. They felt their voices were being heard and because they had a close connection with the researchers they felt involved with the project.

Heinämäki sees the benefits of dialogue for researchers. 'This helps us as

researchers to get insights and knowledge that aren't easy to obtain for legal research scholars. I study the rights of indigenous peoples on the basis of what the legal instruments say about it, but you cannot understand a conflict by reading the books alone. Working with local people allows you to witness interaction directly. This develops your way of thinking', Heinämäki explains. She also sees how the trust and communication networks she and her team established in the community now benefit the new project she and her team are working on. This project explores how traditional knowledge can be incorporated into environmental decision-making.

In conclusion Heinämäki says; 'It all starts with a good team in order to have a good communication strategy. What is important is that everybody in the team has the same vision'. Sharing the same vision ensures a level of confidence in the project outputs, whether these are twitter messages, interviews or scientific publications. ●



NUCCIO MAZZULLO

DOCUMENTING AND CELEBRATING ARCTIC PEOPLES' ORAL HISTORICAL HERITAGE



ORHELIA PROJECT

THE FOUR-YEAR FINNISH ACADEMY project Oral History of Empires by Elders in the Arctic (ORHELIA) compared in five different sites from Lapland to East Siberia, how elders' biographies reflect the history of Arctic areas. The researchers from the anthropology research team at the Arctic Centre found that across all regions and even in countries as different as Finland and the Soviet Union, the life experiences of living in the Arctic at the periphery of their respective states are similar in many ways. Often it is the same topics that people highlight in their biographical narratives, even though they live thousands of miles away from each other and have hardly ever heard of each other's existence.

Our field partners in the project encouraged us to raise this "latitude-wise" awareness, so that they know not only what happens in their respective capitals, Helsinki, or Moscow, but also how other indigenous people dealt with their state authorities throughout the 20th century in neighbouring Arctic areas in similar ways. Rather than just academic outputs, in this project we together with our field partners produced something that we can share among all the project participants, and beyond: a memory stick packed with a small selection of stories, photos and videos from our four-year project work, where not the scientists, but our field partners themselves share their material. ●



Liu Yandong, Vice Premier of the State Council of the Peoples Republic of China, visited Arctic Centre in June 2015.

STRONG SOCIAL INTERACTION

The staff members of the Arctic Centre are invited as experts in various national and international boards. This activity has wide scientific and societal impact. Here are examples of memberships in 2015.

EXPERT MEMBERSHIPS

PUBLICATIONS

Acta Borealia - A Nordic Journal of Circumpolar Societies / Elina Helander-Renvall, member of editorial board	The Cryosphere / John Moore, member of editorial board	Pastoralism: Research, Policy and Practice / Florian Stammmer, member of editorial board
American Journal of Climate Change / John Moore, editor-in-chief	Ecology and Society / Bruce Forbes, member of editorial board	Polar Geography / Bruce Forbes & Paula Kankaanpää, members of editorial board
International Journal of Arctic and Antarctic Circumpolar	Fennia / Bruce Forbes, member of editorial board	Polar Record / Anna Stammmer-Gossmann, editorial advisor, Hanna-Kaisa Lempinen, book review editor
Sociocultural Issues / Anna Stammmer-Gossmann, co-editor; Florian Stammmer, member of editorial board	Finnish game (Suomen riista) / Osmo Rätti, member of editorial board	Public Law Review (Przegl d Prawa Publicznego) / Timo Koivurova, member of editorial board
Arctic Centre reports / Jukka Jokimäki, responsible editor; Marja-Liisa Kaisanlahti-Jokimäki, associate editor	Frontiers in Marine Science / Timo Koivurova, review editor	Rangifer / Päivi Soppela, member of editorial board
Arctic Human Development Report II / Elina Helander-Renvall, chapter reviewer	International Journal of Wilderness / Anna-Liisa Ylisirniö, associate editor	Yearbook of Environmental Policy and Law
The Arctic Review of Law and Politics / Timo Koivurova, editor & Kamrul Hossain, member of editorial board	Journal of International Women's Studies / Kamrul Hossain, member of editorial board	(Ympäristöpolitiikan ja –oikeuden vuosikirja) / Jukka Similä, member of editorial board
Barents Studies: Peoples, Economies and Politics / Monica Tennberg, member of editorial board & editor of Issue 1	Landscape and Urban Planning / Jukka Jokimäki, member of editorial board	Yearbook of Polar law / Timo Koivurova, editor-in-chief & Kamrul Hossain, book review editor
Chinese Journal of Polar Science / John Moore, member of editorial board	Maritime Safety and Security Law Journal / Kamrul Hossain, editor	BOARDS, COMMITTEES AND WORKING GROUPS
Cooperation and Conflict. Journal of the Nordic International	Nature Conservation / Jukka Similä, subject editor	2nd Nordic NJF Seminar on Reindeer Husbandry Research "Reindeer herding and land use management - Nordic perspectives" / Päivi Soppela, Coordinator and Member of Scientific Organizing Committee
Studies Association / Monica Tennberg, member of editorial advisory board	Nordic Journal of Environmental Law / Timo Koivurova, co-editor	Embassy of Italy, Finland / Nuccio Mazzullo, advisor to the ambassador
	Nordic Journal of International Law / Timo Koivurova, co-editor	AMAP, Adaptation Actions in a Changing Arctic (AAC),



ILKKA TIENSUU

The Japanese Ambassador to Finland, Mr. Kenji Shinoda, visited the Arctic Centre in March 2015 and explored the exhibition of costumes designed by Finnish and Japanese students.

LUMA Centre
Lapland
Opening

Tennberg, co-chair, Minna Turunen, coordinating lead author, Päivi Soppela, contributing author, Ilona Mettiäinen, contributing author

Arctic Centre, University if Lapland / Tanja Joona, Member of the Board (staff representative)

"In the Spirit of the Rovaniemi Process – Local and Global Arctic" conference 2015 / Markku Heikkilä, Conference Convener, Member of Organizing Committee; Ilona Mettiäinen, Conference Manager, Member of Organizing Committee; Timo Koivurova, Member of Organizing Committee; Paula Kankaanpää, Member of Organizing Committee; Raija Kivilahti, Member of Organizing Committee

Antarctic Research Coordination Group, Ministry of Education and Culture of Finland (Etelämannertutkimuksen koordinaatioryhmä, Opetus- ja kulttuuriministeriö) / Paula Kankaanpää, member

The Arctic Circle / Timo Koivurova, member of advisory board and study-group of due diligence, co-rapporteur of committee on the implementation of the rights of indigenous peoples

Arctic Committee of Finland, Prime Minister's Office

(Suomen Arktinen neuvottelukunta, Valtioneuvoston kanslia) / Paula Kankaanpää & Timo Koivurova, members

Arctic Observing Summit / Małgorzata (Gosia) Smieszek, Organising Committee member

Arctic Human Development Report II (AHDR-II), Arctic Council / Bruce Forbes & Timo Koivurova, lead authors

Arctic Research Consortium of the US, ARCUS / Timo Koivurova, executive board member & Paula Kankaanpää, council member

Arctic Resilience Report / Bruce Forbes, member of project steering committee

Arctic Social Indicators (ASI), Sustainable Development

Working Group, Arctic Council / Bruce Forbes, member

Arctic Society of Finland (Suomen Arktinen Seura) / Paula Kankaanpää, member of board

Arran Lule Sámi Centre in Drag, Norway / Florian Stammiller, associate and consultant

Assessment of research and coproduction of Mid-Sweden University /Anna-Liisa Ylisirniö, scientific evaluator for Biology and Environmental Sciences

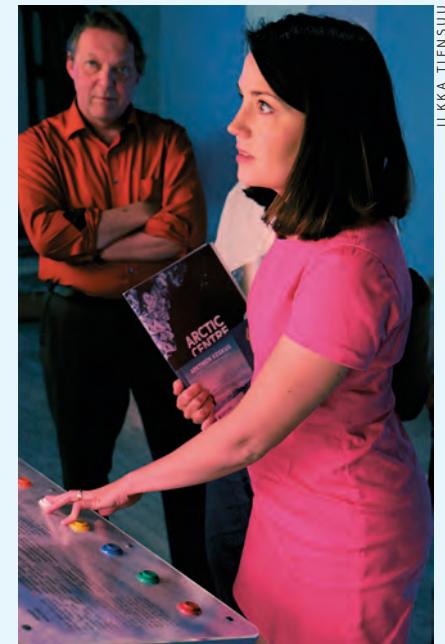
Background group of Arctic Council, Ministry for Foreign

Affairs of Finland (Arktisen neuvoston taustaryhmä,

Ulkoasiainministeriö) / Paula Kankaanpää, expert member

Barents Euro-Arctic Council, Working Group on Environment, collaboration on regional climate change strategies for Barents member regions / Ilona Mettiäinen, expert contributor

Barents background group, Ministry for Foreign Affairs / Barentsin taustaryhmä, ulkoministeriö (Markku Heikkilä)



ILKKA TIENSUU

J-P Metsä-
vainio
Photo
Evening

The Arctic Circle / Timo Koivurova, member of advisory board and study-group of due diligence, co-rapporteur of committee on the implementation of the rights of indigenous peoples

Arctic Committee of Finland, Prime Minister's Office

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Arctic Observing Summit / Małgorzata (Gosia) Smieszek, Organising Committee member

Arctic Human Development Report II (AHDR-II), Arctic Council / Bruce Forbes & Timo Koivurova, lead authors

Sanni Grahn-Laasonen,
Minister of Education
and Culture of Finland
visited Arctic Centre in
August 2015.

Communities and changing work
doctoral programme, executive group,
Tanja Joona, member.

Council for Finnish University Libraries,
Research Support

Network / Liisa Hallikainen, representative of the University of Lapland

Climate Action Network International's
Working Group on

NGO Participation in the climate negotiations / Sébastien Duyck, coordinator

Earth System Governance Project /
Sébastien Duyck, fellow Effect of snow
conditions on reindeer winter mor-
tality and calf production (Makera)/
Minna Turunen, chair of the steering
committee

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

EU Cost Action, Marsafenet / Timo Koivurova, member of management committee & working group member, Kamrul Hossain, substitute of management committee & working group member, Pirjo Kleemola-Juntunen, working group member	Intergovernmental Panel on Climate Change, 5th Assessment Report, Working Group II Impacts, Adaption and Vulnerability / Bruce Forbes, member	LT SER, Long-Term Socio-Ecological Research in Lapland (Ympäristöalan pitkäaikaisaineistot Lapin tutkimusasemien verkostoitumisen kilpailutekijänä) / Anna-Liisa Ylisirniö, member of the steering group
European Eco-Forum Working Group on Public Participation in International Forums / Sébastien Duyck, facilitator	The International Advisory Board on Human Rights, Ministry of Foreign Affairs / Timo Koivurova, expert member	National Science Foundation (USA) / Anna Stammler-Gossman, expert, projects' evaluation
Extractive Industry Working Group of IASSA (International Arctic Social Sciences Association) / Florian Stammler, coordinator	International Arctic Science Committee (IASC) Glaciology Network / John Moore, Finnish representative	Nordic Network on Sami and indigenous law (NORSIL) / Timo Koivurova, member of steering committee
Finnish National Committee of Arctic and Antarctic Research, Council of Finnish Academies (Polaarialueiden tutkimuksen kansallinen komitea, Suomen tiedeakatemia / Paula Kankaanpää, member, Arto Vitikka, secretary	International Arctic Science Committee/ Malgorzata (Gosia) Smieszek, fellow	Norsk Institut for by- og regionsforskning (NIBR), Research network 'NUORGÁV' / Tanja Joona, member.
The Finnish Association of Non-fiction Writers (Suomen Tietokirjailijat ry) / Markku Heikkilä, member of board & regional chair of Lapland	International Arctic Social Sciences Association (IASSA), Florian Stammler, executive council member, coordinator of the extractive industries working group	North Eastern Federal University, Yakutsk, Russia / Florian Stammler, affiliate member of faculty of history
Finnish Society for Political Economy Research (Poliittisen talouden tutkimuksen seura) / Marjo Lindroth, representative	The international environmental law interest group of the American Society of International Law (ASIL) / Timo Koivurova, co-chair	PAGES (Past Global Changes), Working Group Land Cover 6k / Mari Kuoppanamaa, member
Finnish Union of University Researchers and Teachers / Hanna Lempinen, member of early stage researchers' working group	The IUCN's Academy of Environmental Law (ICEL) /Timo Koivurova, Kamrul Hossain, Leena Heinämäki, Waliul Hasanat, members	Polish Academy of Sciences, Committee of Polar Research,
Hammastunturi reindeer herding co-operative / Terhi Vuojala-Magga, member	The IUCN's World Commission on Environmental Law (WCEL) / Timo Koivurova, member, co-chair of Arctic Regime Task Force	Working group on Social Sciences and Polar Research history / Adam Stepien & Malgorzata Smieszek, members
Human Rights and Climate Change Working Group / Sébastien Duyck, co-coordinator	Lapland Ornithologic Association (Lapin lintutieteellinen yhdistys) / Jukka Jokimäki, member of regionally valuable bird areas of Lapland working group	Program on Negotiation at Harvard Law School, University of Harvard (USA) / Anna Stammler-Gossman, expert
Human rights delegation of the Human Rights Centre (Ihmisoikeuskeskuksen ihmisoikeusvaltuuskunta) / Timo Koivurova, member	Lapland University Press / Jukka Jokimäki, member of working group	Project "Game safety of reindeer fences" (Poronaitojen riistaturvallisuus) / Minna Turunen, member of steering committee
	Luleå Tekniska Universitet, Research Network "NORSIL" / Tanja Joona, member	Project Management Institute / Kamil Jagodzinski, expert member
		Project "Sustainable use and innovative applications of traditional Sámi know-how" (Saamelaisten perinteisen tietotaidon kestävä käyttö ja innovatiiviset sovellukset) / Minna Turunen, vice-chair of steering committee



Barents
Café:
Usi Inari
Journalism
Project

Reindeer Husbandry Section; Nordic Association of Agricultural Sciences / Päivi Soppela, member of the section board

Research advisory group of Multidimensional Tourism Institute (Matkailuanlantutkimus-ja kouluntusinstituutin tutkimustiimi) / Jukka Jokimäki, member, Anna-Liisa Yliserniö, vice-member.

Research Council of Norway / Anna Stammer – Gossman, experts, projects' evaluation

Research Council of Norway / Kamrul Hossein, panel member of grant evaluation committee

Research Council of Norway's Russia and the High North / Arctic Programme (NORRUSS) / Timo Koivurova, member of steering committee, Kamrul Hossain, member of expert panel

Research on reindeer herding and natural sources of livelihood advisory board, Ministry of Agriculture and Forestry Finland (Porotalous- ja luontaiselinkeinotutkimuksen neu vottelukunta, Maa-ja metsätalousministeriö) / Minna Turunen, member

Charles C. Adams, the Ambassador of United States to Finland visited Arctic Centre in November 2015. He was also one of the keynote speakers of the "In the Spirit of the Rovaniemi Process" conference.

Research Society of Lapland (Lapin tutkimusseura) / Markku Heikkilä, board member

Russian Geographical Society / Florian Stammer, full member
Sami Research on law and social sciences at the University of Lapland (Lapin yliopiston oikeustieteellisen ja yhteiskuntati eteellisen saamentutkimuksen ohjausryhmä) / Elina Helander-Renvall and Tanja Joona, members of steering group

Samuli Paulaharju Foundation (Samuli Paulaharjun säätiö) / Terhi Vuojala-Magga, member of board

Scott Polar Research Institute at the University of Cambridge, UK / Florian Stammer, institute associate and consultant

The Scientific Committee on Antarctic Research (SCAR) / Arto Vitikka, member of Standing Committee on Antarctic Data Management

University of the Arctic's Arctic Extractive Industries Thematic Network / Florian Stammer, co-leader

University of the Arctic's Arctic Law Thematic Network / Timo Koivurova, leader; Tanja Joona & Leena Heinämäki, vice-leaders

University of Lapland doctoral education curriculum planning committee on the studies on philosophy of science and researchers' transferable skills / Ilona Mettiäinen, member

University of Lapland University Collegium / Liisa Hallikainen, member, Ilona Mettiäinen & Heidi Sanevaara-Niskanen, vice members

University of Lapland, Ethical board / Tanja Joona, member



Seremonianaamio
Alaska, Yhdysvallat
▲▲

Ceremonial mask
Alaska, United States



Seremonianaamio
Alaska, Yhdysvallat
▲▲

Ceremonial mask
Alaska, United States



Seremonianaamio
Grönland
▲▲

Ceremonial mask
Greenland



Seremonianaamio
Siperia, Venäjä
▲▲

Ceremonial mask
Siberia, Russia



Seremonianaamio
Grönland
▲▲

Ceremonial mask
Greenland



Seremonianaamio
Alaska

WOODEN FACTS WITH DELIGHTFUL ILLUSTRATIONS

Do you know what a 'spruce's ass' is? Or why the mountain ash has been considered a sacred tree? The story of the trees in the Arctic was told in Standing short temporary exhibition that was on view in the Arktikum Science Centre from June 2015 to April 2016.

The exhibition was used for an educational path called 'Puulla Pärjää' organized by the Arctic Centre and Pilke Science Centre. It aimed to teach 3–6 graders from schools in Rovaniemi the importance of northern forests and wood in people's lives. The educational path was divided into two workshops, one explaining the past and the other the present. The exhibition was used to tell the story of 'the wise old pine tree', who gave the children clues on how trees have helped people to survive through history. The children were encouraged to search for answers in the exhibition and discuss their findings. In the end the children were rewarded with candy made of spruce shoots. In total, 10 classes, 185 pupils and 17 teachers joined the educational path and the feedback was also excellent with both the children and the teachers hoping for new learning paths in the future.

Arktikum had over 91 000 visitors during the year 2015, which is the highest amount since 1998 and almost 18 000 visitors more than during the year 2014. ●



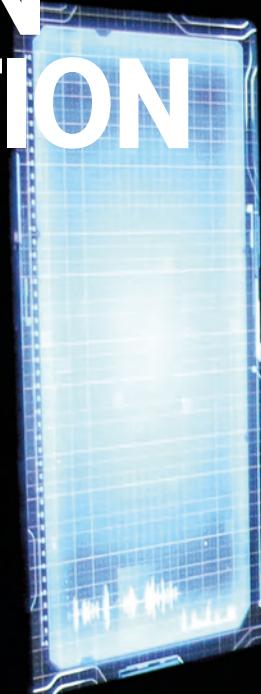
DOCTORAL DISSERTATION

Meri M. Ruppel:

"Black carbon deposition in the European Arctic from the preindustrial to the present"
(University of Helsinki)

AWARD-WINNING CROSS-BORDER EXHIBITION COOPERATION

A NEW SCIENCE CENTRE, built together by Rosatomflot and the Arctic Centre, opened on the 6th of May 2015 onboard of the Icebreaker Lenin, in Murmansk, Russia. Lenin is the first nuclear-powered icebreaker in the world. The exhibition presents the extraordinary achievements of icebreaking technology in the Russian Arctic. It is a tribute to the human and animal adaptation to the changing Arctic marine environment, and to the beautiful but harsh ice-covered Arctic Ocean. The exhibition project was awarded as the best cross-border cooperation between Russia and the European Union (2007–2013) by the Ministry for Economic Development of the Russian Federation. The project, which started in 2013, was a joint effort by the Arctic Centre, Polaria in Tromsø and Rosatomflot in Russia and it was financed by the Kolarctic ENPI programme. ●





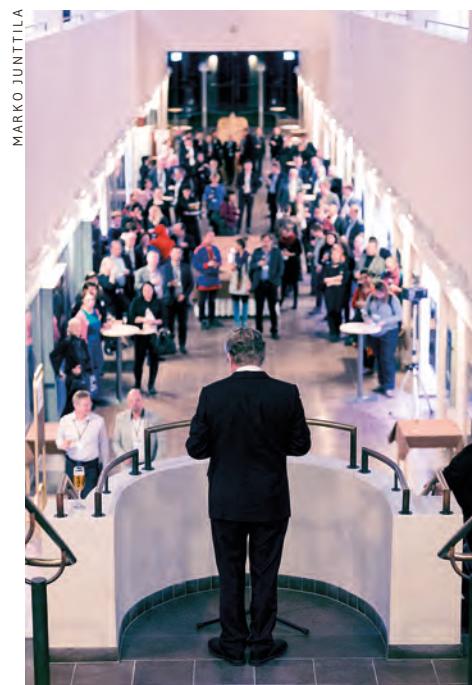
A photograph of a person with long hair, wearing a red beanie and a dark garment with orange fringe, singing into a microphone. They are positioned in front of a large, illuminated structure with blue and white patterns, possibly a ship's hull or a modern building at night. The scene is lit by warm lights from the sides.

IN THE SPIRIT OF THE ROVANIEMI PROCESS

—

LOCAL AND GLOBAL ARCTIC

Over 250 participants filled the Lappia Hall for the opening plenary of the 2nd international In the Spirit of the Rovaniemi Process conference, organized by the Arctic Centre and its partners on November 24–26, 2015. A number of parallel scientific sessions took place in the Arktikum House with topics including the European Union and the Arctic, urbanization, Arctic indigenous livelihoods and languages, natural resources and Arctic cities and design among others. The Rovaniemi Process started the international Arctic cooperation in the early 90's and the new conference series was established on 2013 to build further on that spirit. The third conference with the new name – Rovaniemi Arctic Spirit – will be held in Rovaniemi on November 14–16, 2017. ◆



PUBLICATIONS OF THE ARCTIC CENTRE IN 2015

PEER-REVIEWED SCIENTIFIC JOURNAL ARTICLES

- Barthelemy, H., Stark, S., & Olofsson, J. (2015). Strong Responses of Subarctic Plant Communities to Long-Term Reindeer Feces Manipulation. *ECO-SYSTEMS*, 18(5), 740-751. 10.1007/s10021-015-9856-y
- Bullock, R. C. L., Keskitalo, E. C. H., Vuojala-Magga, T. S. M., & Laszlo Ambjörnsson, E. (2015). Forestry administrator framings of responses to socio-economic disturbance: Examples from northern regions in Canada, Sweden, and Finland. *ENVIRONMENT AND PLANNING C: GOVERNMENT AND POLICY*. 10.1177/0263774X15614697
- Cassotta, S., Hossain, K., Ren, J., & Goodsite, M. E. (2015). Climate Change and China as a Global Emerging Regulatory Sea Power in the Arctic Ocean: Is China a Threat for Arctic Ocean Security?. *Beijing Law Review*, 6(3), 199-207. 10.4236/blr.2015.63020
- Dudeck, S. (2015). 'Do You Respect Me?': Drinking as a Social Catalyst in the Reindeer Herding Communities of European Russia and Western Siberia. *FOLKLORE*, (61), 89-116. 10.7592/FEJF2015.61.dudeck
- Duyck, S. (2015). Promoting the Principles of the Aarhus Convention in International Forums: The Case of the UN Climate Change Regime. *Review of European, Comparative & International Environmental Law*, 24(2), 123-138. 10.1111/reel.12125
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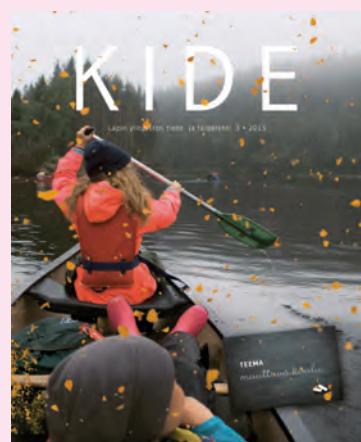
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