

PROGRAM

2019





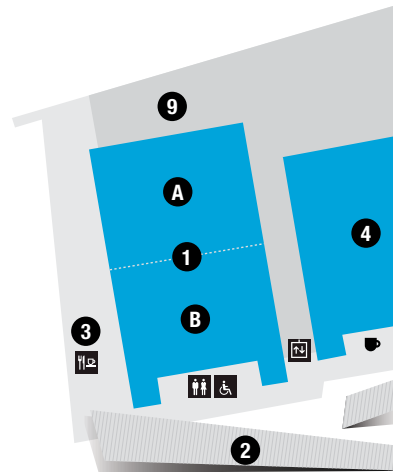
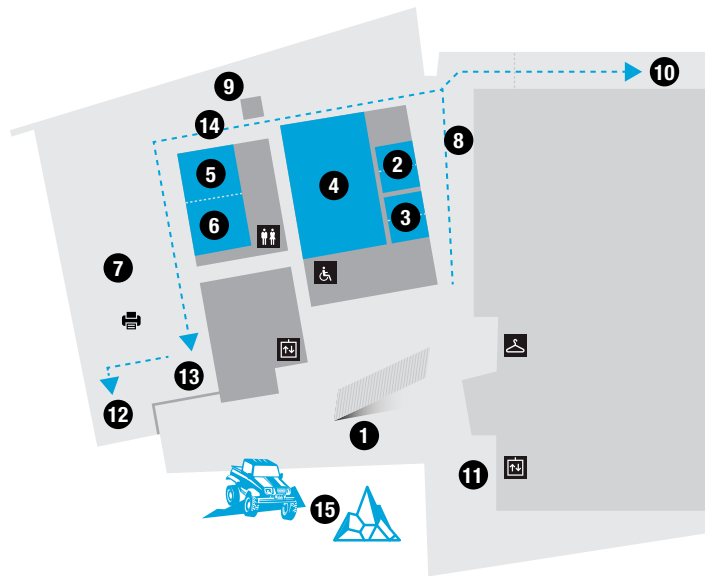
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Cover photo by RAX

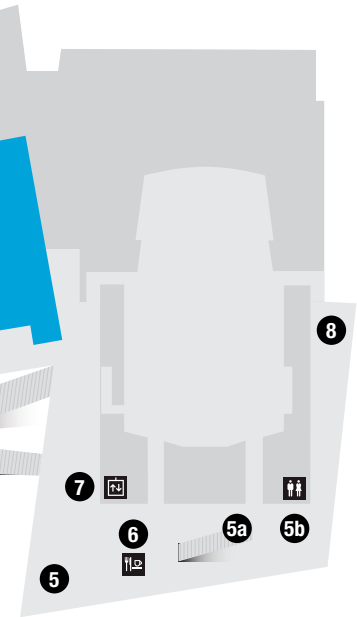


ArcticCircle.org

FIRST FLOOR

1. **Registration / Info desk**
2. **Stemma** - Meeting Rooms
3. **Vísa** - Meeting Rooms
4. **Kaldalón** - Sessions
5. **Ríma A** - Sessions
6. **Ríma B** - Sessions
7. **Flói** - **Networking Meeting Booths**
☰ Business Centre
8. **Hafnarstræti**: I am Inuit Exhibition
9. **Norðurbryggja** - Reception Area
10. **Elevator to Háaloft** (8th Floor)
11. **Elevators to Sessions & Arctic Circle Bar**:
Björtuloft & Esja (5th Floor)
Arctic Circle Bar (4th Floor)
Akrafjall (4th Floor)
Skarðsheiði (3rd Floor)
Expo Pavilion Session (K2 Level)
12. **Hafnarkot** - Sessions
13. **Flói** Sessions
14. **Exhibition**: #Earth #Art
15. **Harpa Main Entrance**
Exhibition: Arctic Trucks
Exhibition: ICEBERG!





SECOND FLOOR

1. **Silfurberg** - Main Hall - Plenary Sessions
 - A. **Silfurberg A** - Sessions
 - B. **Silfurberg B** - Sessions
 2. **Exhibition:** Inuit Qaujimagatuqangit
 3. **Catering Area and Media Desk**
Exhibition: Yamalo-Nenets Nomadic Tradition
 4. **Norðurljós** - Sessions & Receptions
 - ☛ Arctic Circle Café
 5. **Harpa Corner**
 - 5a. **Exhibition:** Arctic Innovations
 - 5b. **Exhibition:** Chinese Arctic Research Expeditions
 6. **Catering Area**
 7. **Elevators to Sessions & Arctic Circle Bar**
 - Björtuloft & Esja (5th Floor)
 - Arctic Circle Bar (4th Floor)
 - Akrafjall (4th Floor)
 - Skarðsheiði (3rd Floor)
 - Expo Pavilion Sessions (K2 Level)
 8. **Viðey** - Sessions
 9. **Speakers Ready Room**
-





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WEDNESDAY, OCTOBER 9 – PRE-EVENTS

🕒 14:00 – 19:00 **REGISTRATION**

Location: Harpa Conference Centre and Concert Hall

🕒 09:00 – 16:00 **FROM NATIONAL STRATEGIES TO SHARED SOLUTIONS:**

BEST PRACTICES FOR SUSTAINABLE DEVELOPMENT IN THE ARCTIC

Location: Hof, Akureyri, North Iceland

Organized by the Northern Research Forum at the University of Akureyri and the Greenland Representation in Reykjavik

Open to all Assembly participants.

SPEAKERS

Ásthildur Sturludóttir, *Mayor of Akureyri, Iceland*

H.E. Ane Lone Bagger, *Minister for Education, Culture, Church and Foreign Affairs, Greenland*

H.E. Þórdís Kolbrún Reykfjörð Gylfadóttir, *Minister of Tourism, Industry and Innovation, Iceland*

🕒 09:00 – 17:15 **SENIOR ARCTIC OFFICIALS – ARCTIC ECONOMIC COUNCIL MEETING**

Location: Harpa Concert Hall and Conference Centre, Reykjavik

Closed meeting – by invitation only

Organized by the Ministry for Foreign Affairs of Iceland

🕒 12:00 – 15:00 **LEIF ERIKSSON DAY: CELEBRATING AMERICAN - ICELANDIC ENTERPRISE**

Location: Hús Atvinnulífsins, Borgartún 35

Organized by the American - Icelandic Chamber of Commerce

Closed meeting – by invitation only

🕒 14:00 – 15:30 **THE FAITH FOR EARTH INITIATIVE**

Location: Skálholt Cathedral, Southern Iceland

Organized by the Evangelical Lutheran Church of Iceland, the Soil Conservation Service of Iceland, the Institute for Religion and Reconciliation, and the United Nations Association of Iceland

Open to all Assembly participants

SPEAKERS

H.E. Guðmundur Ingi Guðbrandsson, *Minister for Environment and Natural Resources, Iceland*

Iyad Abumoghli, *Principal Coordinator, Strategic Engagement with Faith-based Organizations, Faith for Earth*

Beatrice Dossah, *environmental activist, Ghana*

Peter Fischer-Møller, *Bishop at Roskilde, Denmark*

Agnes M. Sigurðardóttir, *Bishop of Iceland, National Church of Iceland*

🕒 15:00 – 18:00 **ARCTIC CIRCLE ADVISORY BOARD MEETING**

Location: Harpa Concert Hall and Conference Centre, Reykjavik

Closed meeting – by invitation only

🕒 18:00 – 20:00 **EXHIBITION OPENING: LITTLE THINGNESS OF GREENLAND**

TITARTAKKAT MIKISUT KALAALLIT NUNAANNEERSUT:

ARCTIC SKETCHBOOKS BY BÉNÉDICTE KLÈNE

Location: Alliance Française of Reykjavik, Tryggvagata 8

Organized by the Embassy of France in Iceland

Supported by the Institut Français (Paris), Rennes Metropole and the cities of Rennes, Saint-Grégoire, and Vezin-le-Coquet

Open to all Assembly participants



2019 STEFANSSON MEMORIAL LECTURE

20:30-21:30, THURSDAY, OCTOBER 10TH

An Arctic without End: Visions for our
Planet in an Age of the Anthropocene

Location: Kaldalón, Harpa Ground Level

Delivered by:

**Dr. Michael Bravo, Scott Polar Research
Institute, Cambridge University**

ORGANIZED BY:

The Stefansson Arctic Institute and the Dickey
Center for International Understanding's
Institute of Arctic Studies, Dartmouth College.
Supported by the Evelyn Stefansson Nef
Endowment



THURSDAY, OCTOBER 10 – SESSIONS 9:00 - 10:00

07:30-17:00 **REGISTRATION**

Location: Harpa Conference Centre and Concert Hall

09:00 – 10:00 **THE NORTH AMERICAN ARCTIC: NEW TRENDS IN REGIONAL SECURITY**

Organized by Polar Research and Policy Initiative (PRPI); University College; Trent University; Arctic Domain Awareness Center, University of Alaska

Location: Norðurljós, Harpa Second Level

SPEAKERS

Inuteq Holm Olsen, *Minister Plenipotentiary and Head of Representation, Greenland Representation in Washington, DC*

Major-General Randy 'Church' Kee, *USAF (ret), Director, Arctic Domain Awareness Center, University of Alaska*

Mead Treadwell, *President, Treadwell Development; Former Lieutenant Governor of Alaska; Chairman, Arctic Circle Task Force on Shipping and Ports; Chair, U.S. Arctic Research Commission 2006-2010; Co-Chair, Polar Institute, Woodrow Wilson Center Polar Initiative*

Shaleen Woodward, *Deputy Secretary, Indigenous and Intergovernmental Affairs, Government of Northwest Territories, Canada*

Heather Nicol, *Director, Canadian Studies, Trent University*

Whitney Lackenbauer, *Canada Research Chair (Tier 1) in the Study of the Canadian North and Professor in the School for the Study of Canada, Trent University Canada*

Nick Wilson, *Royal Military College of Canada and Government of Canada*

Justin Barnes, *Canada Fellow, Polar Research and Policy Initiative, Canada*

Moderator: Dwayne Ryan Menezes, *Founder & Managing Director, Polar Research and Policy Initiative, UK*

09:00 – 10:00 **THE EU AND THE POLITICS OF ARCTIC SECURITY AND MARINE SUSTAINABLE DEVELOPMENT**

Organized by Konrad Adenauer Foundation, Nordic Countries Project

Location: Kaldalón, Harpa Ground Level

SPEAKERS

Benjamin Schaller, *PhD candidate/Research Fellow, Centre for Peace Studies, UiT – The Arctic University of Norway: The Perils and Prospects of an Active Role of the EU, NATO and the OSCE in Arctic Security*

Cécile Pélauzeix, *Associate Researcher, PACTE Sciences Po, France: EU Foreign POLICY AND HYBRID THREATS: Assessing Policy Challenges in the Arctic*

Andreas Raspotnik, *Senior Researcher, High North Center for Business and Governance, Nord University Business School: Arctic Blue Economy and the European Union*

09:00 – 10:00 **GREENLAND'S EMERGING FOREIGN POLICY QUESTIONS**

Organized by Centre for Arctic Studies, University of Iceland; Political Science, UiT the Arctic University of Norway

Location: Esja, Harpa Fifth Level

SPEAKERS

Rasmus Leander Nielsen, *Assistant Professor, Department of Social Science, Economics & Journalism Ilisimatusarfik (University of Greenland): Punching Above its (De Jure) Weight: The Evolution of Paradiplomacy in Greenland from the Early 1970s to Today*

Mikkel Møller Schøler, *Political Advisor, Co-owner, Sikki Consultants, Greenland: Belle of the Ball – The Greenlandic Power Vacuum and Great Power Courting*

Mingming Shi, *Icelandic Times, University of Iceland: The Role of Extractive Industries in the Shaping of Greenland's Foreign Policy*

Marc Lanteigne, *Associate Professor, Political Science (China, East Asia, Polar Region), UiT – The Arctic University of Norway: A Cold Arena: The Widening of Greenland's Foreign Policy Space and Possible Responses*

Moderator: Margrét Cela, *Project Manager, Centre for Arctic Studies, University of Iceland*

Sessions are organized by partners of the Arctic Circle: associations, institutions, governments, companies, organizations, think tanks, universities, or other bodies.

09:00 – 10:00 ANALYSIS OF ARCTIC POLICIES, STRATEGIES AND PROGRAMS

Organized by Thematic Network on Geopolitics and Security, Arctic Futures Initiative, International Institute for Applied Systems Analysis (IIASA)

Location: Akrafjall, Harpa Fourth Level

SPEAKERS

Trends in Arctic Policies and Strategies – The Arctic States

- **Karen Everett**, *Postdoctoral Fellow, Université de Laval, Québec, Canada*
- **Barbora Padrtova**, *Assistant Professor, University of Masaryk, Czech Republic*

Trends in Arctic Policies and Strategies – The Observers of the Arctic Council

- **Karen Everett**, *Postdoctoral Fellow, Université de Laval, Québec, Canada*
- **Barbora Padrtova**, *Assistant Professor, University of Masaryk, Czech Republic*

Lassi Heininen, *Research Director, INAR at University of Helsinki: Indigenous Peoples Approach to Arctic Policies – The Permanent Participants of the Arctic Council*

Tero Vauraste, *CEO and President, Arctia Ltd., Finnish representative, House of Lapland Ambassador, Chairman, Finnish Arctic Society: Importance and Relevance of Arctic Politics and Strategies for Business*

09:00 – 10:00 DEVELOPING OIL AND GAS RESOURCES IN THE ARCTIC: TECHNICAL AND ECONOMIC CHALLENGES

Organized by the U.S. Department of Energy Office of Fossil Energy

Location: Skarðsheiði, Harpa Third Level

SPEAKERS

Shawn Bennett, *Deputy Assistant Secretary, Oil and Natural Gas, US Department of Energy*

Walter Guidroz, *Program Coordinator, Energy Resources Program, US Geological Survey*

Corri Feige, *Commissioner, Department of Natural Resources, Alaska*

John Guy, *Deputy Executive Director, National Petroleum Council: National Petroleum Council Arctic Research*

10:00 – 10:15 NETWORKING COFFEE BREAK



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THURSDAY, OCTOBER 10 – SESSIONS 10:15 - 11:45



10:15 – 11:45

FROM THE SECOND ARCTIC SCIENCE MINISTERIAL TO THE THIRD ARCTIC SCIENCE MINISTERIAL

Organized by European Commission

Location: Norðurljós, Harpa Second Level

SPEAKERS

H.E. Lilja Alfreðsdóttir, *Minister for Education, Science and Culture, Iceland: Iceland and International Scientific Cooperation in the Arctic*

Volker Rieke, *Director General, Federal Ministry of Education and Research, Germany: The Second Arctic Science Ministerial 2018: Co-Operation in Arctic Science – Challenges and Joint Actions*

Patrik Child, *Deputy Director General, Directorate General for Research and Innovation, European Commission: One Year from the Second Arctic Science Ministerial: Follow-up Actions and Broad Implications*

Paavo-Petri Ahonen, *Senior Ministerial Adviser, Ministry of Education and Culture, Finland: ASM2 Coordination with the Arctic Council and the Engagement with the Arctic Indigenous Peoples' Organisations*

Toshihide Fukui, *Director, Ocean and Earth Division, Ministry of Education, Culture, Sports, Science and Technology (MEXT), Japan: The Third Arctic Science Ministerial in Japan*



10:15 – 11:45

INCREASING ENGAGEMENT BETWEEN THE GREENLAND AND U.S. RESEARCH COMMUNITIES – BRIDGING THE GAP

Organized by Greenland Ministry of Foreign Affairs, Nunatsinni Ilisimatusarnermik Siunnersuisoqatigiit (The Greenland Research Council), the U.S. National Science Foundation (NSF)

Location: Skarðsheiði, Harpa Third Level

SPEAKERS

Sten Lund, *International Research Coordinator, Greenland Ministry of Industry, Energy and Research: Greenland's Contribution to International Research*

Josephine Nymand, *PhD, Chair, Greenland Research Council; Head of Dept. Greenland Institute of Natural Resources: Greenland Challenges of Simultaneously Being Small and Big*

Jennifer Mercer, *PhD, Program Manager, Arctic Sciences & Arctic Research Support & Logistics, Office of Polar Programs, National Science Foundation: Envisioning a Future of Bi-lateral Collaboration Between the Greenland and US Research Communities*

Lauren E. Culler, *PhD, Research Assistant Professor of Environmental Studies, Science Outreach Coordinator, Institute of Arctic Studies, Dartmouth College: Building Successful Partnerships for Research and Education in Greenland*

Ellen Martin, *Professor, Department of Geological Sciences, University of Florida; Co-Director, Florida Climate Institute: Challenges and Benefits of Collaborations Between US and Greenlandic Researchers*



10:15 – 11:45

EMERGING SAFETY THREATS WITHIN THE ARCTIC OCEAN – HOW ARE WE COPING?

Organized by SEDNA Project Consortium & ARCSAR – Arctic and North-Atlantic Emergency Preparedness Network

Location: Akrafjall, Harpa Level Four

SPEAKERS

Bent-Ove Jamtli, *Director of Joint Rescue and Coordination Centre Northern Norway (JRCC NN): ARCSAR Network Overview*

Ståle Jamtli, *Chief Operations at JRCC South-Norway: Viking Sky Rescue Case Study*

Giles Thomas, *Professor, University College London: SEDNA Project Overview*

Robert Lynch, *Principal Investigator, Head of Learning Development Research Group, Cork Institute of Technology; National Maritime College of Ireland: Safe Arctic Navigation*

Nicolas Fournier, *Science Manager, UK MET Office: Arctic Weather and Sea Ice Forecasting*

Sessions are organized by partners of the Arctic Circle: associations, institutions, governments, companies, organizations, think tanks, universities, or other bodies.

Moderator: Robert Lynch, *Principal Investigator, Head of Learning Development Research Group, Cork Institute of Technology; National Maritime College of Ireland*



10:15 – 11:45

NORDIC COUNCIL OF MINISTERS ARCTIC COOPERATION PROGRAM: ENHANCING SCIENTIFIC KNOWLEDGE IN THE ARCTIC

Organized by Nordic Council of Ministers, Nordregio, Ministry for Foreign Affairs of Iceland

Location: Ríma B, Harpa Ground Level

SPEAKERS

Ágúst Bogason, *Junior Research Fellow, Nordregio*

Paula Lehtomäki, *Secretary General, Nordic Council of Ministers*

Bryndís Kjartansdóttir, *Senior Arctic Official, Ministry for Foreign Affairs, Iceland*

Anna Karlsdóttir, *Senior Research Fellow, Nordregio, Nordic Council of Ministers: The Contribution of the Arctic Cooperation Programme*

Dag Avango, *KTH Royal Institute of Technology, Sweden: Sustainable Communities and the Legacies of Mining in the Nordic Arctic*

Lassi Heininen, *Research Director, INAR at University of Helsinki: The Global Arctic Handbook: Positioning the Arctic within a Broad Global Context*

Tero Mustonen, *Professor, Department of Geographical and Historical Studies, University of Eastern Finland: Snow Change Cooperative – Exchanging knowledge: Community Based Monitoring and Exchanges of Indigenous-Local Knowledge on Early Detection of Changes and Cultural Responses to Environmental and Climate Change*

Soffía Guðmundsdóttir, *Executive Secretary, Protection of Arctic Marine Environment (PAME)*

Inspiring Arctic Voices through Youth: Arctic Biodiversity Youth Summit

- **Kári Fannar Lárusson**, *Programme Manager, Conservation of Arctic Flora and Fauna (CAFF) Working Group of the Arctic Council*
- **Pétur Halldórsson**, *Chair, Icelandic Youth Environmentalist Association (Ungir umhverfissinnar)*
- **Tasha Elizarde**, *Vice-Chair, Arctic Youth Network*

Summary and Q&A

- **Ágúst Bogason**, *Research Fellow, Nordregio*
- **Vaida Ražaitytė**, *Nordregio*



10:15 – 11:45

STORIES ABOUT THE ARCTIC: NARRATING THE CIRCUMPOLAR NORTH

Organized by The Arctic Institute and Scott Polar Research Institute

Location: Háalof, Harpa Eighth Level

SPEAKERS

Victoria Hermann, *American University; President and Managing Director, The Arctic Institute*

Michael Bravo, *Acting Director, Scott Polar Research Institute, Cambridge University*

Mia Bennett, *Assistant Professor, Geography Department and School of Modern Languages & Cultures (China Studies Programme), University of Hong Kong*

Greg Sharp, *PhD candidate, University of British Columbia, Editor-in-Chief, The Arctic Institute*

Val Muzik, *PhD student, University of British Columbia, Research Associate, The Arctic Institute*

Moderator: Lillian Hussong, *PhD candidate, Rutgers University; Research Intern, The Arctic Institute*

THURSDAY, OCTOBER 10 – SESSIONS 10:15 - 11:45



10:15 – 11:45

BUILDING STRENGTH-BASED YOUTH MOMENTUM IN THE ARCTIC – TRAUMA-INFORMED PROJECTS AND PRACTICES

Organized by University of Akureyri, Iceland with support from the U.S. Embassy in Iceland

Location: Esja, Harpa Fifth Level

SPEAKERS

Eydís Kristín Sveinbjarnardóttir, *Dean and Associate Professor, School of Health Sciences, University of Akureyri, Iceland:*

Introduction to the Session and Reflection on Three Important Concepts in Strength Based Care: Containment, Reciprocity and Behavioural Management

Rhonda M. Johnson, *Professor, University of Alaska Anchorage; Fulbright NSF Arctic Professor, University of Akureyri, Iceland: Innovative Alaskan Approaches to Promoting Youth Well-Being and Resilience*

Sigrún Sigurðardóttir, *Associate Professor, Graduate Program, School of Health Sciences, University of Akureyri, Iceland:*

The Establishment of Bergið Headspace and How Trauma-Informed Care Can Positively Affect Youth Well-Being and Health in Iceland

The Yellow Tulip Project

- **Suzanne Fox**, *Executive Director, The Yellow Tulip Project, The University of New England, School of Social Work*
- **Julia Hansen**, *Founder, The Yellow Tulip Project*



10:15 – 11:45

PRESERVING THE BIODIVERSITY – EXPLORING NEW CONSERVATION PLANNING MODELS

Organized by the Government of Québec (Société du Plan Nord, Ministère des Relations internationales et de la Francophonie) and Institut Nordique du Québec

Location: Rima A, Harpa Ground Level

SPEAKERS

Jean Lemire, *Envoy for Climate Change and Northern and Arctic Affairs, Government of Québec, Canada*

Brandon Laforest, *Senior Specialist, Arctic Species and Ecosystem, WWF-Canada*

Jason Allaire, *Director, Shared Services Nunavut, Agnico Eagle*

Jean-Philippe L. Messier, *Founder & General, UNESCO Biosphere Reserve of Manicouagan-Uapishka, Québec*

Moderator: **Robert Sauvé**, *former CEO, Société du Plan Nord*



10:15 – 11:45

SAINT PETERSBURG AS A CENTER OF ARCTIC COMPETENCES: INTERNATIONAL COOPERATION AS A DRIVER OF REGIONAL DEVELOPMENT

Organized by Committee for External Relations of Saint Petersburg, Government of Saint Petersburg, Russia

Location: Kaldalón, Harpa Ground Level

SPEAKERS

German Shirokov, *Chairman, St. Petersburg Committee for Arctic Affairs, Government of the City of St. Petersburg: The role of St. Petersburg as a center of Arctic competences*

Andrey Kashin, *Head of the Department of infrastructural technologies and integrated systems development, Committee on IT and Communications: St. Petersburg Best Digital Practices for Arctic Region*

Sergey Tsybukov, *member of the Council for Professional Expertise and Nanotech Industry; Chairman of the Supervisory Board, St. Petersburg State Autonomous Institution "Saint Petersburg Employment Agency": Staffing Delivery Models for projects implementation in the Arctic Region*

Yan Tsybukov, *Clinic of Applied Research of St. Petersburg State University: How soft skills effects on interaction between engineering team members*

Tero Vauraste, *Finnish representative, House of Lapland Ambassador, Chairman, Finnish Arctic Society: Finnish innovations for Arctic, nowadays and prospects for international business cooperation*

Sessions are organized by partners of the Arctic Circle: associations, institutions, governments, companies, organizations, think tanks, universities, or other bodies.

Liv Monica Stubholt, *Partner Law Firm Selmer and Chairman NRCC: Arctic ocean and ocean industries- how responsible businesses bring sustainability into industry collaboration and lateral networks*

Denis Moskalenko, *Department of European Cooperation, the Ministry of Foreign Affairs of the Russian Federation: Financial instruments for cooperation in the Arctic*

Igor Kuprienko, *Head of Center for Project Development and Fundraising ITMO: Good practices and prospects of ITMO participation in Arctic Agenda based on Kolarctic CBC experience*

Oksana Poletimova, *Director of the International Arctic Forum: 6th International Arctic Forum The Arctic: Territory of Dialogue*

Moderator: Anton Vasiliev, *Ambassador Extraordinary and Plenipotentiary of the Russian Federation to the Republic of Iceland*



10:15 - 11:45

NORTHERN SEA ROUTES: ECONOMIC OPPORTUNITY FOR INDIGENOUS REINDEER HERDING SOCIETIES FOR SUSTAINABLE DEVELOPMENT

Organized by UArctic EÁLAT Institute and Centre for High North Logistics

Location: Hafnarkot, Harpa Ground Level

SPEAKERS

Felix Tschudi, *Owner, Tschudi Group, Chair, Centre for High North Logistics: Northern Sea Routes as an Economic Opportunity for Indigenous Reindeer Herding Societies for Sustainable Development*

Anders Oskal, *Secretary General, Association of World Reindeer Herders: Reindeer Herders and Food Innovation Leadership*

H.E. Mikhail Pogodaev, *Vice Minister, Ministry for Arctic Development and Indigenous Peoples Affairs of Sakha Republic: Northern Sea Route - A Perspective from Republic of Sakha Yakutia*

Erlend Bullvåg, *Dean, Nord University Business School: Importance of Innovation in the Development of the Arctic*

Ravdna B.E. Sara:
Reindeer Meat Quality

Kia K Hanssen, *UiT – The Arctic University of Norway: Traditional Knowledge and Smoking of Reindeer Meat*



11:45 - 12:30 **NETWORKING LUNCH**

OPEN TO ALL ASSEMBLY PARTICIPANTS
Hosted by Brim

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For the first time in Iceland - 100% edible plates

Take a bite of your wheat bran plate and reduce food waste and our planet's carbon emissions



European Union
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Ecolisland



LUNCH

11:45-12:30, THURSDAY, OCTOBER 10TH

Hosted by Brim

Open to All Assembly Participants





MEETING SPACES

Meeting spaces are available in Harpa Conference Centre

Meeting booths are located in Flói on the ground floor and have room for 8-10 people

Book your meeting space here:

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SPEAKER
BIOS & PHOTOS

BREAKOUT SESSION
SYNOPSIS

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THURSDAY, OCTOBER 10 – PLENARY SESSIONS 12:30 - 17:00

12:30 – 15:00 OPENING SESSION

I. WELCOME

H.E. Ólafur Ragnar Grímsson, *Chairman Arctic Circle; President of Iceland 1996-2016*

II. ADDRESSES – DIALOGUE

H.E. Katrín Jakobsdóttir, *Prime Minister of Iceland*

H.E. Antti Rinne, *Prime Minister of Finland*
Questions and answers

III. SPEECH

H.R.H. Victoria, *Crown Princess of Sweden*

IV. SPEECH – DIALOGUE

H.E. Kim Kielsen, *Premier of Greenland*
Questions and answers

V. KEYNOTE – THE UNITED STATES ARCTIC ENERGY VISION

H.E. Rick Perry, *Secretary of Energy, United States of America*
Questions and answers

VI. SPEECH – DIALOGUE: RUSSIA'S PRIMARY ENERGY REGION

H.E. Dmitry Artyukhov, *Governor of Yamalo-Nenets Autonomous Okrug*
Questions and answers

VII. SPEECH: THE NEW GOVERNMENT OF THE FAROE ISLANDS

H.E. Jenis av Rana, *Minister of Foreign Affairs and Education, Faroe Islands*

VIII. SPEECH: A VISION OF FRANCE

H.E. Ségolène Royal, *Ambassador for the Arctic and Antarctic Poles; former Minister of the Environment, Republic of France*

IX. SPEECH: SINGAPORE AND THE ARCTIC

H.E. Sam Tan Chin Siong, *Minister of State, Ministry of Foreign Affairs and Ministry of Social and Family Development, Singapore*

X. SPEECHES

Dalee Sambo Dorough, *Chair of the Inuit Circumpolar Council*

H.E. Paula Lehtomäki, *Secretary General, Nordic Council of Ministers*

H.E. Jeppe Kofod, *Minister of Foreign Affairs of Denmark*

15:00 – 15:15 COFFEE BREAK

EXHIBITION OPENING: ARCTIC INNOVATION

Organized by the Embassy of Denmark, Reykjavik

Location: Harpa Corner, Third Level

15:15 – 15:40 ASIA AND THE ARCTIC

SPEAKERS

H.E. Gao Feng, *Special Representative for Arctic Affairs, Ministry of Foreign Affairs of the People's Republic of China*

H.E. Kwon Sei-Joong, *Ambassador for Arctic Affairs, Republic of Korea*

CHAIR

Dagfinnur Sveinbjörnsson, *CEO, Arctic Circle*

15:40 – 16:20 GREENLAND: "OPEN FOR BUSINESS"

Organized in cooperation with the Government of Greenland

SPEAKERS

H.E. Ane Lone Bagger, *Minister of Education, Culture, Church and Foreign Affairs, Government of Greenland*

Verner Hammeken, *CEO, Royal Arctic line*

Karsten Høy, *CEO, Greenland Holding*

Questions and answers

CHAIR

Inga Dóra Markussen, *Head of Education and Training, Royal Greenland*

16:20 – 16:40 **UNITED STATES ARCTIC SCIENCE LEADERSHIP: A DIALOGUE WITH THE DIRECTOR OF THE NATIONAL SCIENCE FOUNDATION (USA) INTRODUCTION**

H.E. Jeffrey Ross Gunter, *Ambassador of the United States of America to Iceland*

KEYNOTE SPEECH

Dr. France A. Córdova, *Director of the National Science Foundation*

Questions and answers

CHAIR

Dr. Larry Hinzman, *President, International Arctic Science Committee; Vice Chancellor for Research, University of Alaska Fairbanks*

16:40 – 17:00 **ANNOUNCING THE THIRD ARCTIC SCIENCE MINISTERIAL MEETING**

**CO-HOSTED BY ICELAND AND JAPAN:
TOKYO, NOVEMBER 2020**

SPEECHES

H.E. Lilja Dögg Alfreðsdóttir, *Minister of Education, Science and Culture, Iceland*

H.E. Mari Miyoshi, *Ambassador in charge of Arctic affairs, Ministry of Foreign Affairs of Japan*

17:00-17:15 **COFFEE BREAK**

Electric ships in the Arctic
Presentation by Agnes Árnadóttir, CEO
Brim Explorer
Location: Outside Silfurberg, Harpa Second Level



THURSDAY, OCTOBER 10 – SESSIONS 17:15 - 18:15

17:15 – 18:15

GREENLAND MOVING TOWARDS INDEPENDENCE: POLITICAL AND GLOBAL SECURITY POLICY CHALLENGES

Organized by Inatsisartut, Parliament of Greenland

Location: Norðurljós, Harpa Second Level

Aleqa Hammond, *Chairman of the Foreign and Security Policy Committee of the Greenlandic Parliament*

Mimi Karlsen, *Vice Chairman of the Foreign and Security Policy Committee of the Greenlandic Parliament*

17:15 – 18:15

INUIT LANGUAGE AND CULTURE: NOTHING ABOUT US, WITHOUT US

Organized by Inuit Circumpolar Council (ICC) and Arktika Company LLC

Location: Silfurberg A, Harpa Second Level

SPEAKERS

Edna Ahgeak MacLean, *PhD, Iñupiaq Language Researcher/Consultant, North Slope Borough Iñupiaq History, Language, and Culture Commission, Current Member:*

Overview and Current Status of the Iñupiaq Language of Northern Alaska

Kattie Egede Motzfeldt, *School Leader, Nuussuup Atuarfia, Sermersooq Municipality, Greenland: Language of Instruction That Reflect Our Values, Culture and Languages*

Hugh Patkotak Sr., *Chief Executive Officer, Olgoonik Corporation: Listening to our Elders: Iñupiaq Wisdom in Corporate Leadership*

Aluki Kotierk, *President, Nunavut Tunngavik Incorporated: Inukituk – A Human Right*

Vera Metcalf, *Executive Director, Eskimo Walrus Commission and ICC Executive Council Member Alaska*

17:15 – 18:15

INDIA'S SCIENTIFIC ENDEAVORS IN THE ARCTIC: THE PAST DECADE AND FUTURE PERSPECTIVES

Organized by the Ministry of Earth Sciences National Centre for Polar and Ocean Research, Government of India

Location: Rima B, Harpa Ground Level

SPEAKERS

K.P.Krishnan, *Group Director (Arctic Operations), National Centre for Polar and Ocean Research, India: Indian Arctic Program: The Past Decade and Future Perspectives*

Thamban Meloth, *Group Director (Polar Sciences), National Centre for Polar and Ocean Research: Cryospheric Changes in Svalbard and Himalaya – Indian Perspectives*

M.Arul Muthiah, *Scientist-E, National Institute of Ocean Technology, India: Indian Moored Observatory in the Arctic for Long-Term in Situ Data Collection*

A.A. Mohamed Hatha, *Professor, Cochin University of Science and Technology, India: Changes in the microbial diversity in the Arctic environment*

17:15 – 18:15

GOVERNING EMERGING CLIMATE TECHNOLOGIES IN THE ARCTIC

Organized by Carnegie Climate Governance Initiative (C2G), as affiliated with the Carnegie Council for Ethics in International Affairs

Location: Kaldalón, Harpa Ground Level

SPEAKERS

Sir David King, *Affiliate Partner, SYSTEMIQ Limited; Senior Strategy Adviser to the President of Rwanda; Former UK Special Envoy for Climate Change*

Jason Box, *Professor in Glaciology, The Geologic Survey of Denmark and Greenland*

Shawna Larson, *Regional Director of Native Movement, Anchorage, Alaska*

Pétur Halldórsson, *Chair, Icelandic Youth Environmentalist Association*

Moderator: Cynthia Scharf, *Senior Strategy Director, Carnegie Climate Governance Initiative (C2G)*

Sessions are organized by partners of the Arctic Circle: associations, institutions, governments, companies, organizations, think tanks, universities, or other bodies.



17:15 – 18:15

CROSSROADS: ACTION NOW – ARCTIC ECONOMY SUSTAINABLY ADD VALUE OR FALL BEHIND

Organized by UiT – The Arctic University of Norway; Maine North Atlantic Institute, University of Southern Maine; Reykjavik University; New England Ocean Cluster; Memorial University; University of Iceland

Location: Akrafjall, Harpa Fourth Level

SPEAKERS

Glenn Cummings, PhD, President, University of Southern Maine, US:

Regulations in the Arctic: A Barrier or a Necessity for Sustainable Development?

Patrick Arnold, CEO, New England Ocean Cluster: *Engaging Corporate CEOs with Universities; Bridging the Gap Between Academic Knowledge and Private Sector Practices*

Sheila Downer, Strategic Northern Liaison, Office of Public Engagement, Memorial University; Vice President, Finance, Development and Engagement, UArctic: *The Sustainable Northern and Coastal Communities Initiative; Engaging Students, Faculty, Public and Private Sector Entities into Sustainable Economic Models*

Lára Jóhannsdóttir PhD, Professor, University of Iceland, Fulbright Arctic Initiative Scholar: *Risky business: The Importance of Taking Scales of Risks into Account in an Arctic Economic Context*

Rasmus Gjeddsø Bertelsen, Professor and Barents chair, UiT – The Arctic University of Norway: *Human Capital and Natural Resources for Sustainable Development in the Arctic*

David Thomas, R&D and Quality Manager, Codland: *Arctic Economy – the Business Perspective*

Moderator: Ari Kristinn Jónsson, PhD, Rector, Reykjavik University



17:15 – 18:15

NEAR-FUTURE CHANGES IN THE NORTH ATLANTIC ARCTIC

Organized by Bjerknes Centre for Climate Research, Bergen, Norway

Location: Sæbjörg ICE-SAR Training Vessel – see map

SPEAKERS

Martin Miles, PhD Research Scientist, NORCE Norwegian Research Center and Bjerknes Centre for Climate Research, Bergen, Norway: *Climate, Sea Ice and The Marine Environment*

Yajie Liu, Associate Professor, UiT The Arctic University of Norway; Senior Scientist, Centre for Economic Research, Norwegian University of Science and Technology (NTNU): *The Melting Snowball Effect: How The Warming Climate has Cascading Effects on Ecosystem Services and International Governance Regimes*

Joan Nymand Larsen, Professor, University of Akureyri and Stefansson Arctic Institute: *Socio-Economic and Policy Implications for Coastal Communities*



17:15 – 18:15

THE FINNAFJORD PORT PROJECT: NEW OPPORTUNITIES FOR SUSTAINABLE DEVELOPMENT IN THE ARCTIC

Organized by EFLA Consulting Engineers & bremenports GmbH & Co. KG

Location: Björtuloft, Harpa Fifth Level

SPEAKERS

Hafsteinn Helgasson, Director, EFLA Consulting Engineers: *Green is a Necessity – Opportunities for Greenfield Projects in the Arctic*

Robert Howe, Managing Director, bremenports GmbH & Co. KG: *Greenports as Green Gateways for Green Shipping*

Capt. (N) Auðunn F. Kristinsson, Deputy Chief of Operation and Director of ICG maritime Operation, ICG Maritime Operation: *Maritime Traffic and Safety*

Eliás Pétursson, Director of the Local Council, Municipality of Langanesbyggð: *Reverse the Course – Strengthening Employment Diversity with New Industries*

Moderator: Lars Stemmler, Director of International Projects, bremenports GmbH & Co. KG

THURSDAY, OCTOBER 10 – SESSIONS 17:15 - 18:15

17:15 – 18:15

RESEARCH, SOCIETAL NEEDS AND POLICY FOR INNOVATIVE TECHNOLOGY AND INSTRUMENTATION IN THE ARCTIC

Organized by Polar Research Institute of China (PRIC), Committee on Iceland and the Fourth Industrial Revolution, Prime Minister's Office of Iceland, the Administrative Center for China's Agenda 21 (ACCA21), MOST of China, and Sustaining Arctic Observing Networks (SAON)

Location: Esja, Harpa Fifth Level

SPEAKERS

Sun Hong, *Chief Engineer of the Administrative Center for China's Agenda 21: Strengthening S&T Innovation and Deepening Polar Research*

Huginn Þorsteinsson, *Chair, Committee on Iceland and the Fourth Industrial Revolution: What to Expect from the Fourth Industrial Revolution? Technological Advancement and Disruption*

Huigen Yang, *Director General, Polar Research Institute of China (PRIC): A Practice in Developing Novel Technologies and Instrumentation for Polar Science Frontiers Exploration*

Þorsteinn Gunnarsson, *Senior Adviser, The Icelandic Centre for Research (RANNÍS), Chair, Sustaining Arctic Observing Networks (SAON): Designing a Pan-Arctic Observing System for Sustainable Development in the Arctic*

17:15 – 18:15

RENEWABLE ENERGY FOR THE ARCTIC: NEW PERSPECTIVES

Organized by Anvivo Polar Research (Anvivo.org)

Location: Expo Pavilion, Harpa Level K2 – see map

SPEAKERS

A Low Carbon Arctic Energy System? Challenges, Opportunities and Trends

- **Gisele M. Arruda**, *Professor, Principal Researcher Circumpolar Studies, Energy Arctic and Climate Change, Anvivo.org, Coventry University London*
- **Tom Marsik**, *Associate Professor of Sustainable Energy, University of Alaska Fairbanks, College of Rural and Community Development, Bristol Bay Campus*
- **Nathan Wiltse**, *Policy Program Manager, Primary Economist, Cold Climate Housing Research Center, Fairbanks, Alaska*

Renewable Energy for the Arctic: New Perspectives

- **Gisele M. Arruda**, *Principal Researcher Circumpolar Studies, Energy Arctic and Climate Change, Anvivo.org, Coventry University London*
- **Julianna Hogenson**, *Environmental Scientist, Tetra Tech Canada Inc.*

Julianna Hogenson, *Environmental Scientist, Tetra Tech Canada Inc.: Geothermal Energy Development in the Arctic*

Enzo A. J. Diependaal, *Arctic Energy Systems Engineer, Segon B.V.: Modelling of Longyearbyen's Energy System Towards 2050*

Gisele M. Arruda, *Principal Researcher Circumpolar Studies, Energy Arctic and Climate Change, Anvivo.org, Coventry University London:*

Towards a Sustainable Energy System through Smart Grids in the Arctic and Arctic Resource Development – A Sustainable Prosperity Project of Co-Management

Sarah Sternbergh, *Professional Engineer, Government of Yukon: Energy and Arctic Investment*

Nic Craig, *Fellow, Energy and Climate Change, Polar Research and Policy Initiative: The Case for Increased UK - Nordic Electricity Interconnection and the Implications of Brexit*

17:15 – 18:15

SEEKING A STRATEGIC PLAN FOR THE ARCTIC COUNCIL

Organized by the Wilson Center and Harvard's Belfer Center

Location: Ríma A, Harpa Ground Level

SPEAKERS

Ambassador David Balton, *former Deputy Assistant Secretary of Oceans and Fisheries, Department of State; Fellow, the Wilson Center: Some Recommendations for Creating an Arctic Council Strategic Plan*

Magnus Johannesson, *former Director of the Arctic Council Secretariat*

Heather Exner-Pirot, *Managing Editor, University of Saskatchewan & The Arctic Yearbook*

Sessions are organized by partners of the Arctic Circle: associations, institutions, governments, companies, organizations, think tanks, universities, or other bodies.

Ambassador Bård Ivar Svendsen, *Senior Arctic Official, Ministry of Foreign Affairs, Norway*

Moderator: Fran Ulmer, *Chair, United States Arctic Research Commission*

17:15 – 18:15 PUBLIC HEALTH AMONG INDIGENOUS PEOPLES OF GREENLAND AND SÁPMI

Organized by Centre for Public Health in Greenland, National Institute of Health, University of Southern Denmark

Location: Hafnarkot, Harpa Ground Level

SPEAKERS

Youth Perspectives on Well-Being Among Inuit Youth from Greenland

- **Christina Viskum Lytken Larsen**, *Senior Researcher, National Institute of Public Health, University of Southern Denmark & University of Greenland*
- **Ivalu Katajavaara Sørensen**, *Scientific Assistant, National Institute of Public Health, University of Southern Denmark & University of Greenland*

Ann Ragnhild Broderstad, *Research Professor, Centre for Sami Health Research, UiT the Arctic University of Norway: Health Among the Sami in Northern Norway Based on the SAMINOR Study*

Peter Bjerregaard, *Professor, National Institute of Public Health, University of Southern Denmark and University of Greenland: Social Transition and Health Among the Inuit in Greenland*

Per Axelsson, Associate Professor, Umeå University, Sweden: *Planning for Haldi – A Survey of Health and Living Conditions in Sápmi, Sweden*

17:15 – 18:15 ARCTIC ARCHITECTURE FOR THE PRESENT, WITH AN AWARENESS OF THE PAST FOR AN UNKNOWN FUTURE

Organized by The Royal Danish Embassy in Iceland, Representation of Greenland in Iceland and The Royal Danish Academy of Fine Arts (KADK)

Location: Skarðsheiði, Harpa Third Level

SPEAKERS

David Garcia, *Associate Professor, The Royal Danish Academy of Fine Arts' School of Architecture (KADK):*

Challenges and opportunities for architecture in the Arctic. What is it, how can it be Developed and how do we Teach it?

Martin Kotol, *Assistant Professor, Technical University of Denmark: Sustainable Arctic Buildings for Better Health and Energy Efficiency*

Peter Oluf Meyer, *building consultant and owner at POMEYER Building Consult in Nuuk, Greenland: The Evolution of the Greenlandic Building Industry from a Personal Perspective*

Bilo Høegh Stigsen, *Head of Urban Planning at Sermersooq Municipality, Greenland:*

Development of Nuuk: How to Create a Sustainable Arctic Capital

Thomas Winkler, *Senior Arctic Official of the Kingdom of Denmark: Social and Business Development in the Arctic and the Role of Business Finance*

Moderator: Andreas Nøhr Vestergaard, *Deputy Head of Mission at the Royal Danish Embassy in Iceland*

17:15 – 18:15 ARCTIC GEO-ECONOMICS: DEVELOPMENT & GOVERNANCE

Organized by Thematic Network on Geopolitics and Security and The Arctic Yearbook

Location: Háaloft, Harpa Eighth Level

SPEAKERS

Heather Exner-Pirot, *L'observatoire de la politique et la sécurité de l'Arctique (OPSA), CIRRICQ: The Arctic Economic Development Paradigm and its Failures*

Mário Rodrigues Pontes, *Universidade de Lisboa, Institute of Social and Political Sciences, Centre for Public Administration and Public Policies-FCT: The Growing Importance of Geo-Economics in the Security of the Arctic Region*

Heather Nicol, *Director, Canadian Studies, Trent University: Relevance of Security Aspect in Regional Development*

Ilya Stepanov, *Higher School of Economics, Russia: Russian Arctic and Far East Policy: Potential for Conjunction of Northern and Eastern Regions' Development*

Sandra Maria Rodrigues Balão, *Associate Professor, Universidade de Lisboa, ISCSP, Centre for Public Administration and Public Policies-FCT*

Moderator: Lassi Heininen, *Research Director, INAR at University of Helsinki*

THURSDAY, OCTOBER 10 – SESSIONS 17:15 - 18:15

17:15 – 18:15

LANGUAGE, MOBILITY, AND CHANGE – NORTHERN RESEARCH FORUM EARLY CAREER SESSION

Organized by The Northern Research Forum (NRF) at the University of Akureyri & Rannis (Icelandic Centre for Research), with Support from the US Embassy in Iceland

Location: Flói, Harpa Ground Level

SPEAKERS

Lara Hoffmann, PhD candidate in Social Studies, University of Akureyri:

Icelandic Language Learning Amongst Immigrants in Iceland

Jessica Kantarovich, PhD candidate in Linguistics, University of Chicago:

The Effects of Language Shift and Social Change on Chukchi Narrative and Morphosyntax

Hilary McMahan, PhD candidate, Linguistics, University of Chicago:

Language and Environment in a Changing Arctic: A Case Study of Language Contact and Cultural Shift in Greenland

Moderator: Pamela Innes, Associate Professor, University of Wyoming

17:15 – 18:15

ENTREPRENEURSHIP AND INNOVATIONS IN THE ARCTIC: REGIONAL COOPERATION

Organized by the Northern Forum

Location: Ministry of Industry and Innovations - see map

SPEAKERS

Alexander Tsybulskiy, Governor, Nenets Autonomous Okrug, Russian Federation; Chair, Northern Forum

Mika Riipi, Governor of Lapland, Finland

Nikolai Korchunov, Ambassador at Large Ministry of Foreign Affairs; Senior Arctic Official, Russian Federation

Aleksander Pilyasov, General Director, Institute of Regional Consulting

Lassi Heininen, Research Director, INAR at University of Helsinki

Halldór Jóhannson, Executive Director, Arctic Portal, Iceland

Timo Rautajoki, President and CEO, Lapland Chamber of Commerce, Finland

17:15 – 18:15

ARCTIC SECURITY – A GLOBAL CHALLENGE?

Organized by the University of Southern Denmark and Loughborough University

Location: Culture House (Þjóðmenningarhúsið) – see map

Caroline Kennedy-Pipe, Professor, Loughborough University

James Rogers, University of Southern Denmark and Yale University

Patrick Ratier, Attaché de défense, Embassy of France in Iceland

Devin Stewart, Senior Fellow, Eurasia Group Foundation, Carnegie Council



ELECTRIC SHIP IN THE ARCTIC

ICELANDIC - NORWEGIAN INITIATIVE

**Launched in Tromsø this October;
sailing in Svalbard next summer**

**Learn more in the coffee break outside Eyri,
Harpa Second Floor**

Thursday, October 10th 17:00 - 17:15

Presentation: Agnes Árnadóttir,
CEO Brim Explorer

Towards a CO₂-free Arctic!



Brim Explorer



ARCTIC INNOVATIONS

Exhibition

Opening: 15:15, Thursday, October 10th

Location: Harpa Corner, 3rd Floor

For the past five years, the Master in Architecture program “ARCHITECTURE AND EXTREME ENVIRONMENTS” has engaged with innovation strategies to inform future practitioners of alternative and sustainable solutions about the building industry.

Through a site-specific approach, it aims to respond to present and future global challenges through research by design, fine-tuned site-specific strategies and active expeditions to remote world locations where 1:1 architectural prototypes are tested.

The exhibition presents project from fieldwork in Iceland, Greenland, Svalbard and Alaska.

ORGANIZED BY:

Embassy of Denmark, Reykjavik



**EMBASSY
OF DENMARK**
Reykjavik



The Royal Danish Academy of Fine Arts,
Schools of Architecture, Design and Conservation





ICEBERG!

Sermersooq – Great Vastness of Ice

**Touch the ice! Walk among the ice!
Use photos as a message!**

EXHIBITION

Location: Outside Harpa Main Entrance

Sermersooq Municipality is the largest municipality in the world. The Greenlandic Icecap – a great vastness of ice, divides the municipality's towns and settlements on the west coast from the east coast.

Nature has played an important role in shaping the way of life in Greenland.

Sermersooq Municipality would like to celebrate nature, by offering you the chance to walk among the icebergs!

ORGANIZED BY:

Sermersooq Municipality

KOMMUNEQARFIK SERMERSOOQ,

GREENLAND



THURSDAY, OCTOBER 10 – SESSIONS 18:30 - 19:30



18:30 – 19:30

CHANGES OF GLACIERS AND THEIR FOREFIELDS ON SVALBARD: ENVIRONMENTAL CONSEQUENCES IN THE HIGH ARCTIC

Organized by Polish Polar Consortium, Poland & Nicolaus Copernicus University in Toruń, Polar Research Center, Poland

Location: Expo Pavilion, Harpa Level K2 – see map

SPEAKERS

Changes of Kaffiøyra Region Glaciers and their Forefields, Svalbard – 20 Years of Research

- **Ireneusz Sobota**, *Vice-President of Polish Polar Consortium, Professor, Nicolaus Copernicus University in Toruń, Faculty of Earth Sciences, Polar Research Center, Toruń, Poland*
- **Piotr Weckwerth**, *Professor, Nicolaus Copernicus University in Toruń, Faculty of Earth Sciences, Polar Research Center, Toruń, Poland*

Wiesław Ziąja, *Professor, Jagiellonian University, Institute of Geography and Spatial Management, Krakow, Poland: New Landscape of Areas Abandoned by Glaciers in SE Spitsbergen after 1900*

Detecting Geomorphological Change in High Resolution: Applying UAV and Structure-from-Motion Technology to the Aavatsmarkbreen Forefield, Spitsbergen

- **Joe Gendall**, *MSc, Freie Universität Berlin, Germany*
- **Piotr Weckwerth**, *Professor, Nicolaus Copernicus University in Toruń; Faculty of Earth Sciences, Polar Research Center, Toruń, Poland*
- **Ireneusz Sobota**, *Vice-President of Polish Polar Consortium; Professor, Nicolaus Copernicus University in Toruń, Faculty of Earth Sciences, Polar Research Center, Toruń, Poland*

Vegetation Succession and Soil Development in Forelands of Svalbard Glaciers

- **Paulina Wietrzyk-Pełka**, *MSc, Professor Z. Czeppe Department of Polar Research and Documentation, Institute of Botany, Faculty of Biology, Jagiellonian University*
- **Michał Węgrzyn**, *PhD Jagiellonian University, Professor Z. Czeppe Department of Polar Research and Documentation, Institute of Botany, Krakow, Poland*

Marek Kasprzak, *Assistant Professor, University of Wrocław, Poland:*

Impact of Liquid Water on Permafrost in Coastal, Paraglacial Environment: Geophysical and Geomorphological Approach

Award lottery with Polar Gifts

Moderator: Ireneusz Sobota, *Vice-President of Polish Polar Consortium, Professor, Nicolaus Copernicus University in Toruń, Faculty of Earth Sciences, Polar Research Center, Toruń, Poland*



18:30 – 19:30

COMMUNICATIONS IN THE ARCTIC

Organized by The MITRE Corp, University of Alaska Fairbanks Geophysical Institute and Rensselaer Polytechnical Institute

Location: Culture House (Þjóðmenningarhúsið) – see map

SPEAKERS

Bob McCoy, *Director Geophysical Institute, University of Alaska: A Natural Laboratory to Study the Ionosphere and Ways to Mitigate Ionospheric Effects*

Shelley A Johnson, *Chief Engineer and Arctic Experimentation Lead, The MITRE Corporation: The Challenges of Arctic Communications; Leveraging Innovation and Experimentation*

Jennifer Forsyth, *Group Leader for Waveform Design and Analysis, The MITRE Corporation: High Frequency Communications in the Arctic: Challenges & Opportunities*

Eric Robinson, *Senior Antenna & Electromagnetics Engineer, The MITRE Corporation: Design, Modelling, and Prototyping Antennas for Arctic Geosynchronous SATCOM*

Thomas Sharkey, *Associate Professor, Rensselaer Polytechnic Institute:*

The Role of Communications in Emergency Response in the Arctic and the Benefits it Brings Remote Arctic Communities



18:30 – 19:30

SUPPORTING INUIT YOUTH AND CHILDREN

Organized by Inuit Circumpolar Council (ICC) and ArKtiKa Company LLC

Location: Silfurberg A, Harpa Second Level

Sessions are organized by partners of the Arctic Circle: associations, institutions, governments, companies, organizations, think tanks, universities, or other bodies.

SPEAKERS

Sara Olsvig, *Head of Programme, UNICEF Denmark*

Valerie Nurr'araaluk Davidson (Yup'ik), *Former Lieutenant Governor of Alaska: Reclaiming Resilience through Culture*

Aviåja Egede Lynge, *National Children's Rights Spokesperson, MIO (National Child Rights Institution of Greenland):*

The Face of Reality: The Needs of Inuit Youth and Children and What Support They Need

Pangaanga Pangawyi, *Wellness Program Director, Kawerak, Inc.: Holding Space:*

Multigenerational Healing and Community Empowerment

18:30 – 19:30

A NEW ARCTIC REGION FOR THE DEPARTMENT OF FISHERIES AND OCEANS AND THE CANADIAN COAST GUARD

Organized by Fisheries and Oceans Canada / Canadian Coast Guard

Location: Rima A, Harpa Ground Level

SPEAKERS

Neil O'Rourke, *Assistant Commissioner, Arctic Region, Canadian Coast Guard*

Beverly Foster, *Manager, Indigenous Relations and Partnerships, Coast Guard Arctic Region*

Madeleine Redfern, *Mayor of Iqaluit, Canada*

Kaviq Kaluraq, *Nunavut Arctic College and Acting Chairperson, Nunavut Impact Review Board*

Robert Young, *Senior Science Advisor, Freshwater Institute, Fisheries and Oceans Canada*

18:30 – 19:30

SAVING THE ARCTIC: ETHICS, VALUES AND THE NEXT GENERATION

Organized by Carnegie Climate Governance Initiative (C2G), and affiliated with the Carnegie Council for Ethics in International Affairs

Location: Kaldalón, Harpa Ground Level

SPEAKERS

Sir David King, *Affiliate Partner, SYSTEMIQ Limited; Senior Strategy Adviser to the President of Rwanda; Former UK Special Envoy for Climate Change*

Maria Krabbe Hammershøj, *Secretary General of Caritas Denmark; Board Member of Justice and Peace Europe*

Ilona Mettiäinen, *Researcher, Arctic Centre, University of Lapland*

Ashley Komangaapik Rose Cummings, *Indigenous rights activist for Inuit communities in Canada; Member of Canadian Prime Minister's Youth Council*

Moderator: Cynthia Scharf, *Senior Strategy Director, Carnegie Climate Governance Initiative (C2G)*

18:30 – 19:30

BLUE BUSINESS: A COMPREHENSIVE APPROACH TO SUSTAINABLE DEVELOPMENT IN THE ARCTIC

Organized by High North Center for Business and Governance, Nord University, Bodø, Norway

Location: Skarøsheiði, Harpa Third Level

SPEAKERS

Frode Mellemvik, *Director, High North Center*

Evgenii Aleksandrov, *Post Doc, High North Center for Business and Governance, Nord University Business School:*

Smart Cities for Sustainable High North? Current Developments in Finland, North America, Norway and Russia

Natalia Andreassen, *Associate Professor, High North Center for Business and Governance, Nord University Business School:*

Emergency Management Challenges and Competence Development Needs in the Arctic

Erlend Bullvåg, *Dean, Nord University Business School: Business Index North*

Andreas Raspotnik, *Senior Researcher, High North Center for Business and Governance, Nord University Business School: AlaskaNor – Opportunities for Blue Growth in Alaska and North Norway*

Moderator: Trine Jonassen, *Communications Advisor, High North Center for Business and Governance, Nord University Business School*

THURSDAY, OCTOBER 10 – SESSIONS 18:30 - 19:30

18:30 – 19:30 KNOWLEDGE AND PROSPERITY: BUILDING BRIDGES TO EMPOWER COMMUNITY ACTION

Organized by United Nations University Land Restoration Training Programme, Soil Conservation Service of Iceland, Landvernd (Icelandic Environment Association) and Faith and Community

Location: Sæbjörg ICE-SAR Training Vessel – see map

SPEAKERS

Ari Trausti Guðmundsson, *Member of the Icelandic Parliament: The Layman's Aid – The Legacy of Citizen Science in Iceland*

Beatrice Dossah, *Programme Officer, Environmental Protection Agency Ghana and United Nations University Land Restoration Training Programme, Iceland: Improving Research Efficiency - Stakeholder Viewpoints*

Jónína Sigríður Þorláksdóttir, *Station Manager, Rif Field Station, Northeast-Iceland: Increasing Environmental Sustainability through Partnered Knowledge Management*

Páviðaraq Jakobsen, *Environmental Consultant, on behalf of receivers of the Nordic Environmental Award 2018; Natural Resource Council of ATTU, West Greenland: Fostering Environmental Governance by Local Empowerment in Knowledge Management (the Democratization of Knowledge)*

Linking Science, *Religious and Indigenous Communities for Environmental Care*

- **Gregory E. Hitzhusen**, *Assistant Professor of Professional Practice, The Ohio State University, US*
- **Jame Schaefer**, *Associate Professor, Theology, Marquette University, US*

Moderator: **Halldor Thorgeirsson**, *Former Senior Director, United Nations Framework Convention on Climate Change*

18:30 – 19:30 CRITICAL AND COMMON – CONSERVATION ISSUES IN THE BERINGIA SOCIO-ECOLOGICAL SYSTEM

Organized by WWF-US Arctic Program & WWF-Russia

Location: Hafnarkot, Harpa Ground Level

SPEAKERS

Delbert Pungowiyi, *President, Native Village of Savoonga, Alaska*

Derek Akeya, *Tribal Council Member, Native Village of Savoonga, Alaska*

Olivia Lee, *Assistant Professor, International Arctic Research Center, University of Alaska Fairbanks: Technology and Indigenous Knowledge Use to Document and Respond to Bering Sea Ecosystem Change*

Alexander Moiseev, *Coordinator of the Environmental Programme, WWF Russia: Challenges of Increasing Shipping in the Bering Strait Region*

Sergey Etykeu, *Deputy Head, Management of Agriculture, Fisheries and Food of the Department of Agriculture and Food of the Chukotka autonomous region: Importance of Traditional Nutrition in the Diet of Indigenous People*

Roman Kopin, *Governor, Chukotka Autonomous Okrug, Russia*

Olga Safonova, *Chairperson of the Committee of Natural Resources and Ecology of the Chukotka autonomous region, Committee of Natural Resources and Ecology of the Chukotka autonomous region: Development System of Specially Protected Natural Areas in the Chukotka Autonomous Region for the Conservation of Biodiversity*

Liubov Taian, *Chairperson of Inuit Circumpolar Council, Chukotka: The Development of my Land while Preserving Culture and Nature: Views of the Eskimos on the prospects for the Arctic*

Egor Vereshchagin, *Representative of the Indigenous peoples' association, Chukotka Commissioner for Indigenous people in the Russian-American Polar Bear Commission, Protection and Utilization of the Animal Kingdom Department of the Industrial and Agricultural Policy of the Chukotka autonomous region*

PANEL

Olivia Lee, *Assistant Professor, International Arctic Research Center, University of Alaska Fairbanks*

Delbert Pungowiyi, *President, Native Village of Savoonga, Alaska*

Derek Akeya, *Tribal Council Member, Native Village of Savoonga, Alaska*

Opik (Marlene) Ahkinga, *Mayor of Little Diomedé, Alaska, & Environmental Coordinator for the Native Village of Diomedé*

June Walunga, *Representative of the Native Village of Gambell*
Shannon Jenkins, *Senior Arctic Advisor, the United States Coast Guard*

Moderator: **Victoria Elias**, *Programme Director, WWF Russia*

Sessions are organized by partners of the Arctic Circle: associations, institutions, governments, companies, organizations, think tanks, universities, or other bodies.

18:30 – 19:30 **NEW TECHNOLOGIES FOR ARCTIC OBSERVING AND NETWORKING**

Organized by Polar Research Institute of China (PRIC), Committee on Iceland and the Fourth Industrial Revolution, Prime Minister's Office of Iceland, the Administrative Center for China's Agenda 21 (ACCA21), MOST of China, and Sustaining Arctic Observing Networks (SAON)

Location: Esja, Harpa Fifth Level

SPEAKERS

Halldór Jóhannsson, *Executive Director, Arctic Portal: Availability and Presentation of Information and Data for the Benefit of All*

Xiao Cheng, *Professor and Dean, School of Geospatial Engineering and Science; Vice Dean, Institute of South China Sea, Sun Yat-Sen University (SYSU); Design and Implementation of Cubesat Constellation for Arctic Observation*

Zhuoli Yuan, *Assistant Professor, Polar Research Institute of China: Unmanned Ice Station Observation System (UNIS) and its Potential Roles in the Central Arctic Ocean Observation Network*

Zhang Haibin, *Professor, Institute of Deep-sea Science and Engineering, Chinese Academy of Sciences: Deep-Sea Manned Submersible Shenhaiyongshi: A Powerful Platform for Deep-Sea Observation and its Potential Application in Arctic Ocean*

18:30 – 19:30 **STRONGER TOGETHER: INCLUSIVE, RESILIENT AND CONNECTED NORTHERN CITIES**

Organized by Anchorage Museum

Location: Rima B, Harpa Ground Level

SPEAKERS

David Lubell, *Founding Director, Welcoming International*

Mara Kimmel, *Deputy Director of Strategy, Research and Scholarship, Anchorage Museum*

Ethan Berkowitz, *Mayor of Anchorage, Alaska*

Aaron Leggett, *Indigenous Curator of History and Culture, Anchorage Museum*

18:30 – 19:30 **SEEKING A STRATEGIC PLAN FOR THE ARCTIC COUNCIL**

Organized by the Wilson Center and Harvard's Belfer Center

Location: Stemma, Harpa Ground Level

Private meeting – by invitation only

18:30 – 19:30 **SHAPING ECOTOURISM**

Organized by Manicouagan – Uapishka UNESCO Biosphere Reserve and the SHAPE international project

Location: Ministry of Industries and Innovation – see map

SPEAKERS

Jean-Philippe L. Messier, *Founder & General Manager, UNESCO Biosphere Reserve of Manicouagan-Uapishka, Québec*

Ragnhildur Sigurðardóttir, *Snaefellsnes Regional Park, Iceland*

Rosalind Bryce, *SHAPE Project Manager, University of the Highlands and Islands, Scotland*

THURSDAY, OCTOBER 10 – PLENARY SESSIONS 18:30 - 19:30



18:30 – 19:30

FEELING THE HEAT: WHEN FISH STOCKS MOVE NORTH

Organized by Arctic Encounter

Location: Silfurberg B, Harpa Second Level

SPEAKERS

Mead Treadwell, *President, Treadwell Development; Former Lieutenant Governor of Alaska; Chairman, Arctic Circle Task Force on Shipping and Ports; Chair, U.S. Arctic Research Commission 2006-2010; Co-Chair, Polar Institute, Woodrow Wilson Center Polar Initiative: Why Non-Scientists Need to Push for Better Ecosystem Level Research in the Arctic Region*

Rachel Kallander, *Founder & Executive Director, Arctic Encounter; Managing Partner, Kallander & Associates LLC: A Changing Tide: Empowering the Harvesters of the Circumpolar North*

Mike Sfraga, *Director, Polar Initiative, Woodrow Wilson International Center for Scholars*

H.E. Aleqa Hammond, *Member of the Danish Parliament, Former Prime Minister of Greenland: New Species Moving North: New Challenges for Inuit*

Ole Øvretveit, *Director, Arctic Frontiers; Project Director, Akvaplan-niva AS*

Ben Kellie, *CEO, The Launch Company; Accelerator Lead, Launch Alaska: Tech & Innovation: Under, On, and Above Our Changing Oceans*



18:30 – 19:30

ARCTIC MELT & THE MEDIA: HUMAN STORIES OF CLIMATE ADAPTATION & RESILIENCE

Organized by the Arctic Initiative, Harvard Kennedy School

Location: Norðurljós, Harpa Second Level

SPEAKERS

Elizabeth Arnold, *Professor, Department of Journalism, University of Alaska and Former NPR Correspondent: The Importance of Stories of Resilience & Adaptation in Media Coverage of Arctic Climate Change*

Mark Trahan, *Editor, Indian Country Today: How Media Cover — or Don't Cover — Arctic Indigenous Peoples*

Heather Exner-Pirot, *Managing Editor, University of Saskatchewan & The Arctic Yearbook: Object, Subject, Agent: Indigenous Peoples in Arctic Climate Change Narratives*

Discussant: **Alice Rogoff**, *Publisher & Editorial Director, Arctic Today*

Moderator: **Cristine Russell**, *Science Journalist & Senior Fellow, Harvard Kennedy School Environment & Natural Resources Program*



18:30 – 19:30

CLEAN TRANSPORTATION ENERGY DEVELOPMENT AND OPPORTUNITIES

Organized by the United States Department of Energy

Location: Björtuloft, Harpa Fifth Level

SPEAKERS

Michael Wang, *Center Director, Argonne National Laboratory: Global Electric Vehicle Trends and Outlook Hydrogen and Fuel Cell Technologies, International Partnership for Hydrogen and Fuel Cells in the Economy (IPHE)*

- **Robert Dixon**, *Senior Director for Strategic Initiatives, Office of International Affairs, United States Department of Energy*
- **Sunita Satyapal**, *United States Department of Energy*
- **Toshiyuki Shirai**, *Japan METI*
- **Tim Karlsson**, *IPHE Secretariat*

Michael Kass, *Oak Ridge National Laboratory: Biofuel Potentials in Marine Applications*

Moderator: **Michael Wang**, *Argonne National Laboratory*

Sessions are organized by partners of the Arctic Circle: associations, institutions, governments, companies, organizations, think tanks, universities, or other bodies.

18:30 – 19:30 **SCIENCE TRANSFORMING THE ARCTIC:
AN EXPERIMENT WITH TECHNOLOGIES
AND PARTNERSHIP**

Organized by Korea Arctic Research Consortium (KoARC)

Location: Akrafjall, Harpa Fourth Level

SPEAKERS

Hyoungh Chul Shin, *Principal Research Scientist, Korea Arctic Research Consortium: The Arctic as a Frontier and as a Place for Coexistence; Success Stories from Science*

Sten Lund, *International Research Coordinator, Greenland Ministry of Industry, Energy and Research: Greenland International Arctic Hub, an Innovative Initiative for Future Development of Arctic Research*

Magnus de Witt, *PhD student, Reykjavik University: How Science and Technology Actually Benefits Arctic Communities; Transition from Black to Green Energy Technologies*

18:30 – 19:30 **ARCTIC BIOMONITORING IN RUSSIA**

Organized by Northern (Arctic) Federal University named after M.V. Lomonosov

Location: Flói, Harpa Ground Level

SPEAKERS

Tatiana Sorokina, *Head of the Arctic Biomonitoring Laboratory, Northern (Arctic) Federal University: NArFU's biomonitoring initiative*

Yngvar Thomassen, *Leading Scientist of the Arctic Biomonitoring Laboratory, Northern (Arctic) Federal University:*

Priority Inorganic Pollutants and Essential Trace Elements in Fish Consumed by Indigenous Peoples of The European Russian Arctic

Andrey Aksenov, *Department of biology, ecology and biotechnology, Northern (Arctic) Federal University: Efficient Combination of Field Work and High-Standard Analytics as Key Driver for the Arctic Biomonitoring System Development*

Valerii Chashchin, *Senior Research Officer of the Arctic Biomonitoring Laboratory, Northern (Arctic) Federal University: Biomarkers of Human Exposure and Susceptibility to Environmental Contaminants and Nutrient Deficiencies in the Arctic*

Nikita Sobolev, *Junior Research Officer of the Arctic Biomonitoring Laboratory, Northern (Arctic) Federal University: Analysis of Halogens in Food, Blood and Urine of European Russia Arctic Indigenous Peoples*

Moderator: Tatiana Sorokina, *Head of the Arctic Biomonitoring Laboratory, Northern (Arctic) Federal University*

18:30 – 19:30 **SCIENCE-BASED POLICY-MAKING:
RAISING AWARENESS AND BUILDING
CAPACITY**

Organized by Arctic Office at Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research, Association of Polar Early Career Scientists (APECS), The Icelandic Centre for Research (RANNIS)

Location: Háaloft, Harpa Eighth Level

SPEAKERS

Dietrich Becker, *Ambassador of Germany to Iceland*

Tayana Arakchaa, *Postdoctoral Researcher, KHT Royal Institute of Technology: Raising Awareness and Building Capacity for Science-Based Policy-Making – Workshop Summary*

PANEL

Gerlis Fugmann, *Executive Director, Association of Polar Early Career Scientists (APECS), Alfred Wegener Institute Helmholtz Centre for Polar and Marine Research*

Volker Rachold, *Head, German Arctic Office, Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research*

Þorsteinn Gunnarsson, *Senior Adviser, The Icelandic Centre for Research (RANNIS), Chair, Sustaining Arctic Observing Networks (SAON)*

Tayana Arakchaa, *Postdoctoral Researcher, KHT Royal Institute of Technology*

Henry Burgess, *Head of the UK NERC Arctic Office, UK National Environment Research Council Arctic Office*

Fran Ulmer, *Chair, U.S. Arctic Research Commission*

Moderator: Dietrich Becker, *Ambassador of Germany to Iceland*

THURSDAY, OCTOBER 10 – SESSIONS 20:30 - 21:30

19:30 – 20:30 WELCOME RECEPTION

OPEN TO ALL ASSEMBLY PARTICIPANTS

Hosted by Icelandair

Location: Norðurbryggja Hall, Harpa Ground Level

20:30 – 21:30 THE STEFANSSON MEMORIAL LECTURE

Organized by Stefansson Arctic Institute; Institute of Arctic Studies at Dartmouth College, supported by the Evelyn Stefansson Nef Endowment

Location: Kaldalón, Harpa Ground Level

SPEAKER

Michael Bravo, *Acting Director, Scott Polar Research Institute, Cambridge University*

20:30 – 21:30 PERFORMING THE ARCTIC: FORMS AND EXPRESSIONS OF ARCTIC CITIZENSHIP

Organized by Ecologic Institute US

Location: Ríma A, Harpa Ground Level

SPEAKERS

Jocelyn Joe-Strack, *Consultant, Subarctic Research & Strategy: An Identity of Place*

Brendan O'Donnell, *Fellow, Ecologic Institute US: Staging Arctic Identificatory Practice*

Aleksey Tsykarev, *UN Independent Expert, UN Expert Mechanism on the Rights of Indigenous Peoples: Active Citizenship through Political Organization and Representation*

Moderator: Max Gruenig, *President, Ecologic Institute, US*

20:30 – 21:30 OVERCOMING REMOTENESS IN THE ARCTIC

Organized by Institute of Regional Consulting, Moscow

Location: Flói, Harpa Ground Level

SPEAKERS

Alexander Pilyasov, *General Director, Institute of Regional Consulting: Global Challenges in the Development of Local Transportation Systems in the Arctic*

Networks in the Arctic Cities: Peculiarities and Cycles:

- **Nadezhda Zamyatina**, *Leading Research Associate, Moscow State University*
- **Ruslan Goncharov**, *Associate Professor, National Research University Higher School of Economics*

Valeria Vasilyeva, *Research Fellow, European University at Saint Petersburg and Tyumen State University: Grass-roots Transport Infrastructures in the Russian Arctic*

Ksenia Gawrilova, *Researcher, European University at Saint Petersburg: Between Access and Isolation: The Case of the Newest Seaport of the Northern Sea Route*

20:30 – 21:30 FRAM FORUM

Organized by FRAM – High North Research Centre for Climate and the Environment (The Fram Centre)

Location: Björtuloft, Harpa Fifth Level

SPEAKERS

Anne Husebekk, *Rector, UiT – The Arctic University of Norway, Chair, Fram Centre Advisory Board*

Frode Kjersem, *Director, Fram Centre AS*

20:30 – 21:30 DIALOGUE WITH ENVIRONMENTAL LEADERS: RECEPTION HOSTED BY THE ICELANDIC MINISTER OF THE ENVIRONMENT

Organized by the Ministry of Environment and Natural Resources of Iceland

Location: Háaloft, Harpa Eighth Level

Private reception – by invitation only

20:30 – 24:00 ARCTIC CIRCLE BAR OPEN

Location: Outside Kolabrautin, Harpa Fourth Level



DIALOGUE RECEPTION FOR ENVIRONMENTAL ORGANIZATIONS

20:30-21:30, THURSDAY, OCTOBER 10TH

Location: Háaloft, Harpa Eighth Level

Hosted by H.E.
Guðmundur Ingi Guðbrandsson,
Iceland's Minister for the Environment
and Natural Resources

By invitation only



Government of Iceland
Ministry for the Environment and Natural Resources



WELCOME RECEPTION

19:30-20:30, THURSDAY, OCTOBER 10TH

Open to All Assembly Participants

Hosted by Icelandair

Location: Norðurbryggja Hall, Harpa Ground Level

Performance:

Tatiana Lar and Elena Ufimtseva, Indigenous performers of traditional Nenets songs





ARCTIC CIRCLE BAR

Location: In front of Kolabrautin, 4th Floor

Thursday through Saturday, October 10-12, from 20:30-Midnight

Enjoy a drink and good conversation with Arctic Circle participants in front of Kolabrautin 4th Floor of Harpa with an amazing view of Downtown Reykjavík



REFUSE, REUSE, RECYCLE!

**All materials used at the Arctic Circle Assembly
are either reusable or recyclable**

- **Refuse single-use containers**
- **Reuse when possible**
- **Recycle at Harpa recycling stations**

GET YOUR OWN

Pick up your complimentary bag and pen and purchase a reusable water bottle at the Registration Desk



FRIDAY, OCTOBER 11 – SESSIONS 8:00 - 9:00

08:00 – 17:00 REGISTRATION

08:00 – 09:00 **ARCTIC MIGRATORY BIRDS INITIATIVE (AMBI): A MODEL FOR ARCTIC AND NON-ARCTIC STATE COOPERATION**

Organized by Conservation of Arctic Flora and Fauna (CAFF) Working Group of the Arctic Council and the National Institute of Ecology (NIE), Republic of Korea

Location: Skarðsheiði, Harpa Third Level

SPEAKERS

H.E. Young-sook Nam, *Ambassador of the Republic of Korea to Norway and Iceland*

Einar Gunnarsson, *Ambassador for Arctic Affairs, Ministry of Foreign Affairs of Iceland; Chair of the Senior Arctic Officials of the Arctic Council: Addressing Common Concerns: International Cooperation and the Arctic Council*

Tom Barry, *Executive Secretary, Conservation of Arctic Flora and Fauna Secretariat (CAFF): The Arctic Migratory Birds Initiative: Working Together to Address Population Decline in Arctic-Breeding Migratory Species*

Sung-Ryong Kang, *General Manager, Department of International Cooperation, Division of External Relations, National Institute of Ecology, Republic of Korea:*

AMBI and The Republic of Korea: A Case Study of Arctic Council Observer Country Engagement

08:00 – 09:00 **INSPIRING ARCTIC VOICES THROUGH YOUTH**

Organized by Conservation of Arctic Flora and Fauna (CAFF) Working Group of the Arctic Council

Location: Esja, Harpa Fifth Level

SPEAKERS

Kári Fannar Lárusson, *Programme Manager, Conservation of Arctic Flora and Fauna (CAFF) Working Group of the Arctic Council: Introduction and Background*

Oscar D. Avila, *Public Affairs Officer, US Embassy Reykjavik, Iceland: Youth Exchange in the Arctic: The Value and Importance of Cultural Exchange and the Role Youth Plays in a Sustainable Arctic*

Youth Exchange Iceland, *Finland, Norway and the U.S*

- **Sigurður Smári Davíðsson**, *Biology student, Conservation of Arctic Flora and Fauna (CAFF)*
- **Kolbrún Þóra Sverrisdóttir**, *Biology student, Conservation of Arctic Flora and Fauna (CAFF) Working Group of the Arctic Council*
- **Kristbjörg Mekkín Helgadóttir**, *Member of the Icelandic Youth Council for the SDGs, Prime Minister's Office, Iceland*
- **Tasha Elizarde**, *Vice-Chair, Arctic Youth Ambassador*
- **Youth Summit Recap and Delivery of Declaration**, *Youth Summit Participants*

- **Pétur Halldórsson**, *Chair, Icelandic Youth Environmentalist Association (Ungir Umhverfissinnar)*
- **Tasha Elizarde**, *Vice-Chair, Arctic Youth Ambassador*
- **Youth Exchange Iceland**, *Finland, Norway and the U.S*
- **Kolbrún Þóra Sverrisdóttir**, *Conservation of Arctic Flora and Fauna (CAFF) Working Group of the Arctic Council*
- **Kristbjörg Mekkín Helgadóttir**, *Member of the Icelandic Youth Council for the SDGs, Prime Minister's Office, Iceland*
- **Arctic Youth Network**, *What Can Happen When You Create Space for Dialog*
- **Pétur Halldórsson**, *Chair, Icelandic Youth Environmentalist Association (Ungir Umhverfissinnar)*
- **Tasha Elizarde**, *Vice-Chair, Arctic Youth Ambassador*

Moderator: Tom Barry, *Executive Secretary, Conservation of Arctic Flora and Fauna Secretariat (CAFF)*

08:00 – 09:00 **A RENEWABLE ARCTIC: GREEN ENERGY TRANSITIONS**

Organized by Arctic Centre for Sustainable Energy (ARC), UiT – The Arctic University of Norway, and Scott Polar Research Institute, University of Cambridge

Location: Ríma A, Harpa Ground Level

Sessions are organized by partners of the Arctic Circle: associations, institutions, governments, companies, organizations, think tanks, universities, or other bodies.

SPEAKERS

Yngve Birkelund, Professor, ARC, UiT – The Arctic University of Norway: *Electrical Airplanes*

Matteo Chiesa, Professor, ARC, UiT – The Arctic University of Norway: *Wind Power*

Odin Eikeland, Research Fellow, ARC, UiT – The Arctic University of Norway: *Solar Power*

Silje Lundberg, Chair, Friends of the Earth Norway: *NGO Discussions*

Bjarte Hoff, Associate Professor, ARC, UiT – The Arctic University of Norway: *Electrification of the Fishing Industry*

Gunn Tove Bjerkan, Marketing Director, Ishavskraft: *Smart Energy Solutions*

Berit Kristoffersen, Associate Professor, ARC, UiT – The Arctic University of Norway: *Renewable and Viable Energy Futures*

Moderator: Michael Bravo, Acting Director, Scott Polar Research Institute, University of Cambridge

 08:00 – 09:00 **ARCTIC TRANSPORTATION ROUTES: IMPLICATIONS FOR ENERGY SUPPLY AND ENERGY SECURITY**

Organized by ONS Foundation

Location: Akrafjall, Harpa Fourth Level

SPEAKERS

Ingvild Meland, ONS Programme Director

Liv Monica Stubholt, Partner in law firm Selmer and Board Member World Ocean Council: *Changes in the Arctic – Geopolitical Implications and Challenges*

Janne Valkonen, Arctic Operations, DNV-GL: *Growing Arctic Shipping - Opportunities and Challenges*

Moderator: Ingvild Meland, ONS Programme Director

 08:00 – 09:00 **SETTING THE ARCTIC AGENDA: THE ROLE OF LOCAL GOVERNMENTS IN INTERNATIONAL COOPERATION**

Organized by Sermersooq Municipality, Greenland

Location: Rima B, Harpa Ground Level

SPEAKERS

Charlotte Ludvigsen, Mayor of Sermersooq Municipality, Greenland: *Setting the Arctic Agenda from a Greenlandic City Perspective**

Ásthildur Sturludóttir, Mayor of Akureyri, Iceland: *Setting the Arctic Agenda from an Icelandic City Perspective*

Kristin Røymo, Mayor of Tromsø, Norway: *Setting the Arctic Agenda from a Norwegian City Perspective*

Madeleine Redfern, Mayor of Iqaluit, Canada: *Setting the Arctic Agenda from a Canadian City Perspective*

Ethan Berkowitz, Mayor of Anchorage, Alaska: *Setting the Arctic Agenda from a U.S. City Perspective*

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FRIDAY, OCTOBER 11 – PLENARY SESSIONS 9:00 - 11:00

Location: Silfurberg,
Harpa Second Level

09:00 – 09:30 DIALOGUE WITH REGIONAL LEADERS: USA – RUSSIA

SPEAKERS

Honorable Janet Mills, *Governor of Maine, United States*

H.E. Roman Kopin, *Governor of Chukotka Autonomous Okrug, Russia*

Maria Derunova, *Deputy Governor of Murmansk Oblast, Russia*

CHAIR

Mead Treadwell, *former Lieutenant Governor of Alaska*

09:30 – 09:50 PAVING THE POLAR SILK ROAD CHINA – RUSSIA – JAPAN – KOREA

SPEECH

Henry Tillman, *Founder and Chairman, China Investment Research*

CHAIR

Alice Rogoff, *Publisher, Arctic Today*

09:50 – 10:10 RESTORING ARCTIC SEA ICE TO MITIGATE GLOBAL CLIMATE DEVASTATION

SPEAKER

Leslie Field, *Founder and CTO, Ice911 Research*

PANEL

Peter Wadhams, *Emeritus Head of the Polar Ocean Physics Group in the Department of Applied Mathematics and Theoretical Physics, University of Cambridge*

Stephanie Lapensee, *Consultant, Ice911 Research*

Steve Payne, *Governing Board Chair, Ice911 Research*

10:10 – 10:20 ANNOUNCING THE 2020 UARCTIC CONGRESS

SPEAKERS

Lars Kullerud, *President, University of the Arctic (UArctic)*

Dagfinnur Sveinbjörnsson, *CEO, Arctic Circle*

10:20 – 10:40 DIALOGUE WITH THE MAYOR OF ANCHORAGE

SPEECH

Ethan Berkowitz, *Mayor of Anchorage, Alaska*

CHAIR

Ásthildur Sturludóttir, *Mayor of Akureyri, Iceland*

10:40 – 11:00 THE ROLE OF RELIGIOUS STEWARDSHIP IN THE ARCTIC

Organized in cooperation with the National Church of Iceland

SPEECH

Bishop Mark Macdonald, *National Indigenous Anglican Bishop, Anglican Church of Canada; World Council of Churches President for North America*

CHAIR

Rev. Kristján Björnsson, *Bishop at Skalholt, Iceland; Vice Chairman of the Icelandic Institute on Religion and Reconciliation*

11:00 – 11:15 COFFEE BREAK



FRAM FORUM RECEPTION

THURSDAY, OCTOBER 10TH 20:30 - 21:30

**Organized by FRAM – High North Research Centre
for Climate and the Environment (The Fram Centre)**

Location: Björtuloft, Harpa Fifth Level

UARCTIC CONGRESS 2020: COMING TO ICELAND

FRIDAY, OCTOBER 11TH 20:30-21:30

**Organized by UArctic and Icelandic
Universities**

Location: Björtuloft, Harpa Fifth Level

CELEBRATING MODERN GREENLANDIC CULTURE

FRIDAY, OCTOBER 11TH 20:30-21:30

**Organized by Sermersooq Municipality,
Greenland**

**Location: Norðurbryggja Hall, Harpa
Ground Level**

**Performances by Nanook and Small Time
Giants**

Open to All Assembly Participants

Music, arts and food tasting

FRIDAY, OCTOBER 11 – SESSIONS 11:15 - 12:00



11:15 – 12:00

SMART ENERGY ARCTIC: PRACTICAL SOLUTIONS FOR LOW-CARBON TRANSITION

Organized by UK Science and Innovation Network, Natural Environment Research Council (NERC) Arctic Office

Location: Silfurberg A, Harpa Second Level

SPEAKERS

Natalie Lowery, *Practice Manager, Local Area Energy Planning, Energy Systems Catapult: Local Energy Asset Representation*

Scot Wheeler, *Postdoctoral Research Associate, Energy and Power Group, Engineering Science Department, University of Oxford: Project LEO: Maximising Prosperity of Local Energy Systems*

Gareth Davies, *Managing Director, Aquatera: ReFLEX Orkney (Responsive Flexibility) Project - Creating Smart Energy Island*

Moderator: Henry Burgess, *Head, NERC Arctic Office, UK National Environment Research Council Arctic Office*



11:15 – 12:00

CYBER SECURITY AND HUMAN SECURITY IN THE DIGITAL ARCTIC

Organized by ECoHuCy Project, Northern Institute for Environmental and Minority Law (NIEM) / Arctic Centre / University of Lapland

Location: Esja, Harpa Fifth Level

SPEAKERS

Mirva Salminen, *NIEM, Arctic Centre, University of Lapland: Everyday Digital Security in the European High North: The Case of Field Lapland*

Gerald Zojer, *NIEM, Arctic Centre, University of Lapland: FLOSS (free/libre open source software) as a Contribution to Digital Security in the Arctic*

Marcin Dymet, *NIEM, Arctic Centre, University of Lapland: Resilience and Transformation of Arctic Systems. Cases from Speculative Narratives*

Joëlle Klein, *NIEM, Arctic Centre, University of Lapland: Conceptualizing Cyber Security in the Arctic in Light of Human Security and Climate Change*

Moderator: Kamrul Hossain, *Research Professor & Director, Northern Institute for Environmental and Minority Law, University of Lapland*



11:15 – 12:00

THE MELTING OF THE ARCTIC AND THE (RE)INSURANCE INDUSTRY

Organized by TM Insurance

Location: Rima A, Harpa Ground Level

SPEAKERS

Dance Zurovac-Jevtic, *Senior Atmospheric Specialist and Technical Underwriter, Sirius International Insurance Corporation*

PANEL

Dance Zurovac-Jevtic, *Senior Atmospheric Specialist and Technical Underwriter, Sirius International Insurance Corporation*

Halldór Þorgeirsson, *Chair, Iceland's Climate Council*

Hulda Ragnheiður Árnadóttir, *CEO of the Natural Catastrophe Insurance of Iceland*



11:15 – 12:00

RENEWABLE ENERGY HYBRID POWER GENERATION SOLUTIONS FOR REMOTE ARCTIC COMMUNITIES

Organized by U.S. Department of Energy, National Renewable Energy Laboratory

Location: Skarðsheiði, Harpa Third Level

SPEAKERS

Gail Mosey, *National Renewable Energy Laboratory (NREL)*

Clay Koplín, *Cordova Electric Cooperative, Inc.*

Gwen Holdmann, *Director, Alaska Center for Energy and Power, University of Alaska, Fairbanks*

Amy Halloran, *Sandia National Laboratories*

Moderator: Greg Poelzer, *University of Saskatchewan*

Sessions are organized by partners of the Arctic Circle: associations, institutions, governments, companies, organizations, think tanks, universities, or other bodies.



11:15 – 12:00

SCIENCE DIPLOMACY IN THE ARCTIC – CANADIAN PERSPECTIVES

Organized by Polar Knowledge Canada

Location: Flói, Harpa Ground Level

SPEAKERS

David Scott, *President, Polar Knowledge Canada:
Beyond Fieldwork: Arctic Science as a Diplomatic Tool*

David Hik, *Associate Dean, Faculty of Science & Professor,
Department of Biological Sciences, Simon Fraser University:
Diplomacy for Science: The Essential Ingredients for International
Research Collaboration in the Arctic*

Lisa Koperqualuk, *Vice-President of Inuit Circumpolar Council
Canada:*

*Indigenous Perspectives on Science Diplomacy: Indigenous
Collaborations Across Borders*

Moderator: Bob Paquin, *Head, Canadian International Arctic
Centre, Embassy of Canada, Oslo, Norway*



11:15 – 12:00

TOWARDS SUSTAINABLE TOURISM – KNOWLEDGE SHARING BETWEEN GREENLAND AND ICELAND

Organized by the Ministry of Foreign Affairs of Greenland and
the Ministry of Tourism, Industry and Innovation, Iceland

Location: Kaldalón, Harpa Ground Level

SPEAKERS

H.E. Jess Svane, *Minister of Industry, Energy and Research,
Government of Greenland*

Inga Hlín Pálsdóttir, *Director, Promote Iceland*

Julia Pars, *Director, Visit Greenland*



11:15 – 12:00

A NEW ARCTIC CIRCLE MISSION COUNCIL: THE GLOBALARCTIC

Organized by the GlobalArctic Mission Council of the Arctic
Circle

Location: Björtuloft, Harpa Fifth Level

SPEAKERS

Miyase Christensen, *Professor, Leading Research Environment
in Global Media Studies and Politics of Mediated Communication,
University of Stockholm*

Dalee Sambo Dorough, *Chair, Inuit Circumpolar Council*

Heather Exner-Pirot, *Managing Editor, University of Saskatchewan
& The Arctic Yearbook*

Yang Jian, *Vice-President, Shanghai Institute for International
Studies*

Atsushi Sunami, *Ocean Policy Research Institut, The Sasakawa
Peace Foundation*

Moderator: Lassi Heininen, *Research Director, INAR at
University of Helsinki*



11:15 – 12:00

BUILDING AN ARCTIC INVESTMENT INITIATIVE FOR SUSTAINABLE DEVELOPMENT IN THE ARCTIC

Organized by Polar Research and Policy Initiative (PRPI), United
Kingdom

Location: Akrafjall, Harpa Fourth Level

SPEAKERS

Dwayne Ryan Menezes, *Founder & Managing Director, Polar
Research and Policy Initiative, UK*

Alice Rogoff, *Publisher & Editorial Director, Arctic Today*

Russell Read, *CFA, PhD, Senior Advisor, Private Markets and Asset
Owner Solutions, MSC; former Chief Investment Officer (CIO), Alaska
Permanent Fund, US*

Toby Norfolk-Thompson, *Private Investor and Experienced
Corporate Director, UK*

Hilmar Eggertsson, *Debt Capital Markets, MUFG Securities,
France*

FRIDAY, OCTOBER 11 – SESSIONS 11:15 - 12:00



11:15 – 12:00

OCEAN FOOD SYSTEMS FROM ACADEMIA TO ENTERPRISE

Organized by University of New England, College of the Atlantic, Ocean Rainforest, with support from the U.S. Embassy in Iceland

Location: Viðey, Harpa Second Level

SPEAKERS

Barry A. Costa-Pierce, *Executive Director, UNE NORTH, the Institute for North Atlantic Studies, Henry L. & Grace Doherty Professor of Marine Sciences, University of New England in Maine, US: Ocean Food Businesses Connected to Applied Academia in the New North*

Jay Friedlander, *Sharpe-McNally Chair, Green and Socially Responsible Business, College of the Atlantic: Bridging the Skills-Passion Gap to Increase Impact*
Chair: Barry A. Costa-Pierce, University of New England, Maine, US



11:15 – 12:00

ARCTIC CITIES AND SUSTAINABLE TOURISM

Organized by Arctic Mayors, Municipality of Akureyri, Municipality of Torshavn and Sermersooq Municipality

Location: Háaloft, Harpa Eighth Level

SPEAKERS

Kristin Røymo, *Mayor of Tromsø: Sustainable Tourism in the Arctic*
Guðrún Þóra Gunnarsdóttir, *Director, Icelandic Tourism Research Centre: The Development of Tourism in Iceland, Challenges and Issues*

Related to The Development of Sustainable Tourism in the Arctic, Especially in Small Communities

Annika Olsen, *Mayor of Torshavn, Faroe Islands: There are Too Many Tourists Here*

Moderator: Ásthildur Sturludóttir, *Mayor of Akureyri*



11:15 – 12:00

CANADA'S NORTH: ECONOMIC DEVELOPMENT NOW AND FOR THE FUTURE

Organized by Global Affairs Canada

Location: Norðurljós, Harpa Second Level

SPEAKERS

David Sproule, *Senior Arctic Official and Director General, Arctic Eurasian, and European Affairs, Global Affairs Canada*

Brian Burke, *Executive Director, Nunavut Fisheries Association*

Heather Bourassa, *Jane Glassco Northern Fellow, Business Owner*

Moderator: Jutta Wark, *Director, Nordic and Polar Affairs, Global Affairs Canada*



11:15 – 12:00

LESSONS FROM START-UP AND INNOVATION VENTURES IN THE ARCTIC

Organized by Kaiser Global, Arctic Economic Council, New England Ocean Cluster and Startup Iceland

Location: Rima B, Harpa Ground Level

SPEAKERS

Patrick Arnold, *CEO, New England Ocean Cluster: Cost-Based Geographies as Drivers of Arctic Economic Growth and Connectedness*

Anu Fredrikson, *Director, Arctic Economic Council: Growing Arctic Economies through Collaboration*

Bala Kamallakharan, *Founder, Startup Iceland: Connecting Founders and Funders - Keys to Developing Thriving Arctic Businesses*

Moderator: William Patrowicz, *CEO, Kaiser Global*



11:15 – 12:00

RESPONSIBLE PROJECT MANAGEMENT BEYOND THE ARCTIC CIRCLE

Organized by the Masters of Project Management (MPM) program, Reykjavik University

Location: Hafnarkot, Harpa Ground Level

SPEAKERS

Responsible Project Management Beyond the Arctic Circle

- **Helgi Þór Ingason**, *Professor and Director of the MPM Program, Reykjavik University*
- **Haukur Ingi Jónasson**, *Professor and Director of the MPM Program, Reykjavik University*
- **Íris Hrund Þórarinsdóttir** MPM, *Curator of the MPM Program, Reykjavik University*

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Project Ethics When Managing Complex Sustainable Projects in Highly Demanding Environmental Circumstances

- **Ægir Jóhannsson**, *Civil and Environmental Engineer, Project Manager, M.Sc., Verkis Consulting Engineers*
- **Gísli H. Guðmundsson**, *Civil Engineer, Head of Building Department, Lic. Techn., Ístak Ltd, Construction Contractor*
- **Karl Andreassen**, *Civil Engineer, CEO of Ístak Ltd, Construction Contractor*



12:00 – 13:00

DIALOGUE WITH LEADERS IN ARCTIC SCIENCE: LUNCH HOSTED BY THE ICELANDIC MINISTER OF EDUCATION, SCIENCE AND CULTURE, H.E. LILJA DÖGG ALFREDSDÓTTIR

Location: Háaloft, Harpa Eighth Level

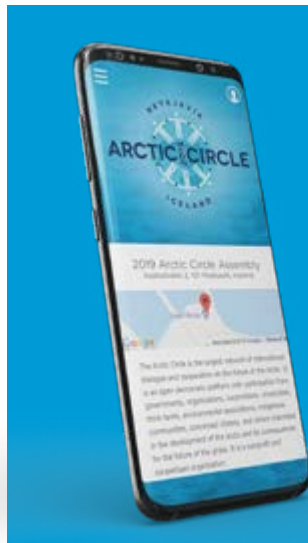
By invitation only



12:00-12:45

NETWORKING LUNCH OPEN TO ALL ASSEMBLY PARTICIPANTS

Hosted by the Prime Minister of Iceland, H.E. Katrín Jakobsdóttir



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DIALOGUE RECEPTION FOR ARCTIC SCIENCE

12:15, FRIDAY, OCTOBER 11TH

Location: Háaloft, Harpa Eighth Level

**Hosted by H.E. Lilja Dögg Alfreðsdóttir,
Iceland's Minister of Education, Science and
Culture**

By invitation only



Government of Iceland
Ministry of Education, Science and Culture



LUNCH

12:00-12:45, FRIDAY, OCTOBER 11TH

Hosted by the Prime Minister of Iceland
H.E. Katrín Jakobsdóttir

Open to All Assembly Participants



Government of Iceland
Prime Minister's Office



I AM INUIT

Exhibition

Location: Hafnarkot, Harpa Ground Level

I AM INUIT connects the world with Alaskan Inuit and the Arctic through common humanity.

Photographs by: Brian Adams

ORGANIZED BY:

Inuit Circumpolar Council



FRIDAY, OCTOBER 11 – PLENARY SESSIONS 12:45 - 16:45

12:45 – 12:55 FIGHTING CLIMATE CHANGE WITH ENERGY EFFICIENCY

SPEAKERS

Jørgen Clausen, *Chairman of the Board, Danfoss A/S*

12:55 – 13:25 CONNECTING THE ARCTIC: DATA CABLES AS GAME CHANGERS

Organized in cooperation with Arctic Economic Council

SPEAKERS

Dag Kjetil Hansen, *CEO, Bredbåndstyket Ltd., Norway*

Jukka-Pekka Joensuu, *Attorney-at-law, Partner, Eversheds Sutherland*

CHAIR

Heiðar Guðjónsson, *Chair, Arctic Economic Council*

13:25 – 13:50 DIALOGUE WITH U.S. SENATOR LISA MURKOWSKI

SPEAKER

Senator Lisa Murkowski, *United States Senate*

H.E. Ane Lone Bagger, *Minister for Education, Culture, Church and Foreign Affairs, Greenland*

CHAIR

Össur Skarphéðinsson, *former Minister for Foreign Affairs of Iceland; Chair of Iceland's Commission on Greenland*

13:50 – 14:20 VOICE OF STRENGTH: YOUTH ENGAGEMENT IN MENTAL WELLNESS EFFORTS IN THE ARCTIC

Organized in cooperation with the Government of Canada (Crown-Indigenous Relations and Northern Affairs)

YOUTH PANEL

Melody Teddy, *Tuktoyaktuk, Northwest Territories, Canada (Inuit/Canada)*

Simon Coady, *Ottawa, Ontario, Canada (Inuit/Canada)*

Byron Nikolai, *Toksook Bay, Alaska, USA (Yup'ik/USA)*

CHAIR

Selma Ford, *Health Coordinator, Inuit Circumpolar Council – Canada*

14:20 – 14:35 COFFEE BREAK

14:35 – 14:55 THE ICELANDIC CHAIRMANSHIP OF THE ARCTIC COUNCIL

SPEECH

H.E. Guðlaugur Þór Þórðarson, *Minister for Foreign Affairs, Iceland*

Questions and answers

CHAIR

Magnús Jóhannesson, *former Director of the Arctic Council Secretariat; Senior Advisor, Ministry for Foreign Affairs of Iceland*

14:55 – 15:20 THE NEW RUSSIAN MINISTRY OF THE ARCTIC AND THE FAR EAST

SPEAKER

Yulia Kosareva, *Director of the International Department, Ministry for the Development of the Russian Far East and Arctic*

CHAIR

H.E. Anton Vasiliev, *Ambassador of Russia to Iceland*

Location: Silfurberg, Harpa Second Level

15:20 – 16:00 ARCTIC-GLOBAL INDIGENOUS DIALOGUE

Organized in cooperation with Nia Tero

SPEAKERS

Kimaren Ole Riamit, *Maasai from Kenya, Executive Director, Indigenous Livelihoods Enhancement Partners (ILEPA)*

Gunn-Britt Retter, *Head of Arctic and Environmental Unit, Saami Council*

Rukka Sombolinggi, *Toraja from Indonesia, Secretary General of Indigenous Peoples Alliance of the Archipelago (AMAN)*

Joe Morrison, *Aboriginal Australian, Nia Tero*

CHAIR

Peter Seligmann, *founding CEO, Nia Tero*

16:00 – 16:25 CLIMATE CHANGE IMPACTS ON PACIFIC FISHERIES

Organized in cooperation with Conservation International

SPEECHES

The Honourable Semi Koroilavesau, *Minister of Fisheries, Fiji*

The Honourable Dalton Tagelagi, *Minister for Natural Resources, Niue*

CHAIR

Jóhann Sigurjónsson, *Special Envoy on Ocean Affairs, Ministry for Foreign Affairs, Iceland*

16:25 – 16:45 HOW RENEWABLE ENERGY CAN SAVE THE ARCTIC DIALOGUE WITH THE DIRECTOR-GENERAL OF IRENA

SPEECH

Francesco La Camera, *Director-General, International Renewable Energy Agency (IRENA)*

CHAIR

Guðni A. Jóhannesson, *Director General, National Energy Authority of Iceland*

16:45 – 17:00 COFFEE BREAK

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FRIDAY, OCTOBER 11 – SESSIONS 17:00 - 18:30



17:00 – 18:30

THE RUSSIAN ARCTIC: FUTURE SCENARIOS

Organized by the International Arctic Social Sciences Association (IASSA); Russian State Hydrometeorological University (RSHU); the Northern Forum; Arctic-COAST

Location: Silfurberg A, Harpa Second Level

SPEAKERS

Dmitriy A. Artyukhov, *Governor, Yamalo-Nenets Autonomous Okrug, Russia*

Roman Kopin, *Governor, Chukotka Autonomous Okrug, Russia*

Aleksandr V. Tsybulsky, *Governor, Nenets Autonomous Okrug, Russia*

Overview of the Russia's Arctic Future Scenarios – 2050 Report

- **Andrey Petrov**, *President, International Arctic Social Sciences Association; Director, ARCTICenter, University of Northern Iowa*
- **Marya S. Rozanova**, *Advisor, Russian State Hydrometeorological University; Professorial Lecturer, George Washington University*

DISCUSSANTS

Lassi Heininen, *PhD, Research Director, University of Helsinki*

Mikhail A. Pogodaev, *Deputy Minister for the Arctic Development and Indigenous Peoples Affairs, Government of the Sakha Republic*

MODERATORS

Andrey Petrov, *President, International Arctic Social Sciences Association, Director, ARCTICenter, University of Northern Iowa*



17:00 – 18:30

ARCTIC INNOVATION LAB: 15 IDEAS FOR A BETTER ARCTIC

Organized by Arctic Innovation Lab in partnership with Harvard Kennedy School, the Fletcher School of Law and Diplomacy at Tufts University, University of Alaska Fairbanks, University of Greenland, University of Iceland and Reykjavik University

Location: Norðurljós, Harpa Second Level

SPEAKERS

Guðbjörg Ríkey Thoroddsen Hauksdóttir, *PhD student, University of Iceland*

Gauri Gupta, *the Fletcher School of Law and Diplomacy, Tufts University*

Clark Yuan, *Harvard Kennedy School*

Emily Fry, *Harvard Kennedy School*

Alicia Nelson, *Harvard School of Public Health*

Siddharth Shrikanth, *Harvard Kennedy School*

Petter Nikolai Rønning, *President, The Student Parliament, UiT – The Arctic University of Norway*

Kyong Sa Ri, *Student, UiT – The Arctic University of Norway*

Maren Irene Gåre Bakkevoll, *Student, UiT – The Arctic University of Norway*

Valery L. Mikheev, *Rector, Russian State Hydrometeorological University*



17:00 – 18:30

ARCTIC GLACIERS AND ICE CAPS: RECENT MASS LOSS AND CONTRIBUTIONS TO GLOBAL SEA-LEVEL RISE

Organized by the Icelandic Meteorological Office, the Icelandic Arctic Cooperation Network and the International Arctic Science Committee (IASC)

Location: Kaldalón, Harpa Ground Level

SPEAKERS

Paul Morin, *Director, Polar Geospatial Center, University of Minnesota:*
ArcticDEM; How the Arctic Leads the Way in Understanding Topographic Change

Martin Sharp, *Professor, Faculty of Science, University of Alberta, Canada:*
Recent Glacier Mass Loss in Arctic Canada and its Drivers

Aviaja Geisler Kristensen, *Aalborg University*

Jonathan Kamler, *University of Alaska Fairbanks*

Daniel Barrios Castilla, *Reykjavik University*

Kevin Dillman, *University of Iceland*

Renata Bade Barajas, *Reykjavik University*

Moderator: **Brittany Janis**, *Arctic Initiative Project Coordinator, Harvard Kennedy School of Government Belfer Center*

Sessions are organized by partners of the Arctic Circle: associations, institutions, governments, companies, organizations, think tanks, universities, or other bodies.

Barbara Barzycka, PhD candidate, Centre for Polar Studies, University of Silesia, Poland:
Melting and Crumbling Arctic – Example of Svalbard's Glaciers

René Forsberg, Professor, Geodynamics group, DTU-Space, Denmark:
Current Changes of the Greenland Ice Sheet as seen from Space and Airborne Campaigns

Guðfinna Aðalgeirsdóttir, Professor, University of Iceland:
Mass Balance of Icelandic Glaciers in the Past and Future Projection

Moderator: Þorsteinn Þorsteinsson, Glaciologist, Icelandic Meteorological Office



17:00 – 18:30

BREAKING THE ICE: COOPERATION FOR SAFE AND RESPONSIBLE EXPLOITATION OF ARCTIC SEA ROUTES

Organized by EU Polar Cluster members: ARICE, KEPLER, ARCSAR, with ExtremeEarth

Location: Flói, Harpa Ground Level

SPEAKERS

Peter Hinchliffe OBE, Former Secretary General International Chamber of Shipping, Independent Maritime Consultant

Nicole Biebow, Head of International Cooperation Unit, Alfred Wegener Institute:
Overview of ARICE and ARICE Project and EU Polar Cluster

Nick Hughes, KEPLER Coordinator, Norwegian Meteorological Institute, Leader of the Norwegian Ice Service:

Overview of the KEPLER and ExtremeEarth Projects

Industry Priorities Support Safe, Responsible, and Effective Industry Operations in the Arctic Ocean

- **Mark van der Hulst**, Managing Director, Oceanwide Marine Services
- **Andrew Kendrick**, Vice President, Vard Marine Inc, Fincantieri Group, Ottawa, Canada

Bent-Ove Jamtli, Director of Joint Rescue and Coordination Centre Northern Norway (JRCC NN): Requirements for Monitoring and Supporting Search-And-Rescue Operations in the Arctic

Vladimir Vlassov, Associate Professor, Royal Institute of Technology (KTH), Stockholm:
Development of Artificial Intelligence and Cloud-Based Computing to Provide Enhanced Arctic Information Products for Copernicus

Moderator: Peter Hinchliffe OBE, Former Secretary General International Chamber of Shipping, Independent Maritime Consultant



17:00 – 18:30

SCIENCE MEETS SOCIETY: TOWARD THE CO-DESIGNING OF ARCTIC RESEARCH

Organized by the Arctic Challenge for Sustainability (ArCS) Project, National Institute of Polar Research, Japan, JAMSTEC, Hokkaido University

Location: Rima A, Harpa Ground Level

SPEAKERS

Masao Fukasawa, Project Director, Arctic Challenge for Sustainability (ArCS), Japan

Atsushi Sunami, Vice-president, National Graduate Institute for Policy Studies, Japan: Japan's Arctic Science and Policy Toward the Next Phase

Uliana A. Vinokurova, Professor, Director of the Centre of Circumpolar Civilization, Arctic State Institute of Art and Culture (Yakutsk, Russia):

What does Arctic Indigenous people want for non-Arctic countries

Tetsuo Sueyoshi, Project Associate Professor, National Institute for Polar Research (NIPR), Japan:
Disseminating Information on the Arctic Climate Projection

Natsuhiko Ohtsuka, Arctic Research Center Hokkaido University, Japan
Japan's story for study and business of the Northern Sea Route

Takashi Kikuchi: Marine ecosystem and Fishery

Yuichiro Fujioka, Lecturer, Graduate School of Social and Cultural Studies, Kyushu University: Co-producing of New Knowledge

Daisuke Doi, Deputy Director, Ministry of Education, Culture, Sports, Science and Technology (MEXT), Japan

Moderator: Tetsuo Sueyoshi, Associate Professor, National Institute of Polar Research

FRIDAY, OCTOBER 11 – SESSIONS 17:00 - 18:30



17:00 – 18:30

FULBRIGHT IN THE ARCTIC – MEET THE SCIENTISTS

Organized by Fulbright Commission Iceland, in cooperation with the US State Department Bureau of Educational and Cultural Affairs and the National Science Foundation

Location: Háaloft, Harpa Eighth Level

SPEAKERS

Adam Netzer Zimmer, PhD student, University of Massachusetts Amherst, Fulbright-NSF Arctic research fellow, University of Iceland: *Understanding Inequality through Icelandic Anatomical Collections*

Nicholas Robinson, PhD student, University of California Davis, Fulbright-NSF Arctic research fellow, University of Iceland: *Diversification and Sustainability of Subarctic Agriculture and Food Systems*

Greta Wells, PhD candidate, University of Texas Austin, Fulbright-NSF Arctic research fellow, University of Iceland: *Reconstructing Glacial Lake Outburst Floods along the Hvítá River and Gullfoss Waterfall*

Lauren Fields, Foreign Affairs Specialist, NOAA, Fulbright-MFA Arctic Scholar, University of Akureyri: *Fisheries Management: Iceland and the Central Arctic Ocean Agreement*

Lára Jóhannsdóttir, Professor, University of Iceland, Fulbright Arctic Initiative Scholar: *The Role of Non-Life Insurance Companies in Economic Development in the Arctic*

Soili Nysten-Haarala, Professor, University of Lapland, Fulbright Arctic Initiative Scholar: *Comparing Corporate Social Responsibility and Benefit Sharing Schemes of Resource Extracting Industries in the Arctic*

Josée Lavoie, Professor, University of Manitoba, Director, Indigenous Institute of Health and Healing: *Development of Optimal Models of Contracting in Health in Indigenous Environments*

Katie Cueva, Adjunct Assistant Professor, University of Alaska, Anchorage, Fulbright Arctic Initiative Scholar: *Community Health Workers in The Circumpolar North*

Gwen Healy Akearok, Co-Founder, Executive and Scientific Director, Quajigiarit Health Research Center: *Health Research Conducted Locally, by Northerners, and with Communities, in a Supportive, Safe, Culturally Responsive, and Ethical Environment*

Christina Viskum Lytken Larsen, Senior Researcher, National Institute of Public Health, University of Southern Denmark & University of Greenland: *Understanding Health Among Indigenous Populations in the Arctic*

Overview of Fulbright Opportunities in the Arctic

- **Belinda Theriault**, Executive Director, Fulbright Commission Iceland
- **Michael Hawes**, Chief Executive Officer, Fulbright Canada

Moderator: Belinda Theriault, Executive Director, Fulbright Commission Iceland



17:00 – 18:30

ENHANCED ARCTIC SECURITY COOPERATION

Organized by George C. Marshall European Center for Security Studies, Germany and Centre for Arctic Studies, University of Iceland

Location: Esja, Harpa Fifth Level

SPEAKERS

Marie-Anne Coninx, Ambassador at Large for the Arctic, European Union: *Mutations in the Arctic Political Security Landscape – Observations from the EU*

Ólöf Hrefna Kristjánsdóttir, Director International Operations, Defence Directorate, Ministry for Foreign Affairs Iceland in the Arctic, Security Challenges and Regional Cooperation

Vice Admiral (ret) Lutz Feldt, Director, Wise Pen International, Germany: *Change of the Military Situation in the Arctic*

Professor Whitney Lackenbauer, Canada Research Chair and Professor, Trent University, Canada: *An Important International Crossroads: A Canadian Perspective on the Changing Arctic Defence and Security Environment*

MODERATORS

Commander Andreas Hildenbrand, Program Director European Security Seminar North, George C. Marshall European Center for Security Studies

Margrét Cela, Project Manager, Centre for Arctic Policy Studies, Institute of International Affairs, University of Iceland



17:00 – 18:30

SMART SPECIALISATION IN THE ARCTIC REGIONS

Organized by European Commission's Joint Research Centre

Location: Björtuloft, Harpa Fifth Level

Sessions are organized by partners of the Arctic Circle: associations, institutions, governments, companies, organizations, think tanks, universities, or other bodies.

SPEAKERS

Alessandro Rainoldi, *Head of the Territorial Development Unit, Joint Research Centre, Directorate B – Growth and Innovation, European Commission: Smart Specialisation Concept from the EU to the Arctic*

Jukka Teräs, *Senior Research Fellow, Nordregio: Smart Specialisation in Sparsely Populated European Arctic Regions*

Lina Stanionyte, *Project Officer, Smart Specialisation Platform, Joint Research Centre, European Commission: Good Practice Cases of Building Linkages in Smart Specialisation in the Arctic*

Kristiina Jokelainen, *Director of International Relations and S3 Implementations for Lapland, Regional Council of Lapland: Lapland's Leadership in Transnational S3 Partnerships*

Moderator: Inger Midtkandal, *Science and Technology Counsellor, Research Council of Norway*



17:00 – 18:30

EMPOWERING RURAL AND ISLANDS COMMUNITIES: A DIALOGUE BETWEEN SCOTLAND AND THE ARCTIC

Organized by the Scottish Government

Location: Skarøsheiði, Harpa Third Level

SPEAKERS

H.E. Paul Wheelhouse, *Minister for Energy, Connectivity and the Islands, Scottish Government, Arctic Policy Framework and National Islands Plan: The Scottish Government's Participative Approach at Empowering Rural Communities*

Nicola Crook, *PhD Researcher, University of Strathclyde Centre for Environmental Law and Governance: Scotland Paving the Way in Global Island Governance: From Rhetoric to Reality*

Annastina Sarlin, *Manager, Nordic Archipelago Cooperation: Empowering Islands Communities, A Nordic Perspective*

Magnus Davidson, *Researcher, University of Highlands and Islands: The Role of Academic Campuses in Rural and Islands Areas: The Case of The University of The Highlands and Islands*

Sheila Downer, *Strategic Northern Liaison, Office of Public Engagement, Memorial University; Vice President, Finance, Development and Engagement, UArctic: Connecting Communities and Businesses in Rural and Northern Areas*



17:00 – 18:30

EU SPACE PROGRAMS FOR PEOPLE IN THE ARCTIC

Organized by the European Union: the European Commission's Directorate General for Internal Market, Industry, Entrepreneurship (DG GROW), the European External Action Service (EEAS) with the support of Finland under their Presidency of the Council of the EU

Location: Viðey, Harpa Second Level

SPEAKERS

Paul Flament, *Head of Unit, Galileo and EGNOS Programme Management, European Commission: EU Space Programmes, Today and in the Future*

Éric Laliberté, *Director General, Space Utilization, Canadian Space Agency, Canadian Space: Initiatives and their Benefits to the Arctic*

Elisabeth Hamdouch, *Deputy Head of Unit, Copernicus Infrastructure Unit, European Commission: Evolution in the EU's Copernicus Services to Meet Priority User Needs in the Arctic*

Jouni Pulliainen, *Director of Space and Arctic Research, Finnish Meteorological Institute: Perspective on Different Use-Cases in the Arctic*

Michael Kern, *Scientist, Advisory Committee for Earth Observation, European Space Agency: Evolution of the European Earth Observation Space Assets to Meet Priority User Needs in the Arctic*

Kimmo Kanto, *Head of Space, Business Finland:*

A Perspective of the Finnish Presidency of the EU Council on the Space Business Ecosystem

Dan-Claudiu Chirondojan, *Director of JRC Space, Security and Migration: The Studies Performed by JRC on the Synergies Between Different Space Programmes for the Arctic.*

Gunn-Britt Retter, *Head of the Arctic and Environment Unit, Saami Council: Living in the Arctic – Climate Change and Needs for Information and Services*

Reinhard Blasi, *Project Officer, GSA: Overview of Current and Future Market Uptake Activities for EGNSS Services*

Snorre Greil, *Project Manager and the National Competent Authority Representative for CleanSeaNet and Copernicus, Icelandic Coast Guard: Ship Routing and Navigation*

Moderator: Kamil Kiljański, *Head of Unit, Space Data for Societal Challenges and Growth, European Commission*

FRIDAY, OCTOBER 11 – SESSIONS 17:00 - 18:30



17:00 – 18:30

POLAR LAW: THE LAW OF INDIGENOUS PEOPLES

Organized by the University of Akureyri

Location: Stemma, Harpa Ground Level

SPEAKERS

Tukuminnnguaq Nykjær Olsen, *M.A. Candidate, Ilisimatusarfik – University of Greenland: Inuit Legal Principles and Living Resource Management in Kalaallit Nunaat*

Kamrul Hossain, *Research Professor & Director, Northern Institute for Environmental and Minority Law, University of Lapland: Negotiating the Rights of Indigenous Peoples within the Framework of International Law*

Tanja Joonas, *Senior Researcher, Arctic Centre, University of Lapland: Indigenous Peoples' Land Rights in Finland and Sweden – Contemporary Perspectives*

Antje Neumann, *Assistant Professor, Faculty of Law, University of Akureyri: Protecting the Sacred in the Finnish Sápmi: Settings and Challenges*



17:00 – 18:30

NORTH AT THE CENTER: CREATIVITY & THE FUTURE OF PLACE

Organized by Anchorage Museum

Location: Rima B, Harpa Ground Level

SPEAKERS

Julie Decker, *Director/CEO, Anchorage Museum*

Marek Ranis, *Associate Professor, University of North Carolina at Charlotte, and Curator-at-Large, Anchorage Museum*

Monica Shah, *Director of Collections, Anchorage Museum*

Bodil Kjelstrup, *Curator, Anchorage Museum and Nordnorsk Kunstmuseum*



17:00 – 18:30

TECHNOLOGY TRANSFER AND THE ARCTIC – MOBILIZING SCIENCE ACROSS THE NORDICS

Organized by Auðna – Technology Transfer Office Iceland, Aalto University, Finland and the Technical University of Denmark (DTU)

Location: Icelandic Ministry of Industries and Innovation – see map

SPEAKERS

Dag Finne, *Head of Marine, VIS Innovasjon, Norway*

Einar Mäntylä, *CEO, Auðna – Technology Transfer Office Iceland*

Janne Laine, *Vice President of Innovation, Aalto University, Finland*

Javier L. Arnaut, *Assistant Professor of Economics, Ilisimatusarfik – University of Greenland*

Michael André Jonsson, *Senior Business Developer, DTU Technology Transfer Office, Denmark*



17:00 – 18:30

FAITH AND COMMUNITY ENGAGEMENT FOR SDGS IN THE ARCTIC

Organized by Evangelic Lutheran Church of Iceland; Institute on Religion and Reconciliation (IRR); Institute of Theology, University of Iceland; Faith and Community (F&C)

Location: Culture House (Þjóðmenningarhúsið) – see map

SPEAKERS

Mark MacDonald, *Indigenous Bishop, Anglican Church in Canada; Chairman, World Council of Churches in North America*

Peter Fischer-Møller, *Bishop of Roskilde; Member, Executive Committee of the Danish Counsel of Churches; Participant, Working Group on the Green Church in Denmark*

Cassandra Carmichael, *Executive Director, National Religious Partnership for the Environment, Washington DC, US*

Beatrice Dossah, *Programme Officer, Environmental Protection Agency Ghana and United Nations University Land Restoration Training Programme, Iceland*

Jim Antal, *Special Advisor on Climate Justice to the General Minister, President, United Church of Christ*

Moderator: Arnfríður Guðmundsdóttir, *Professor, Member of the Board of the Institute on Religion and Reconciliation*

Sessions are organized by partners of the Arctic Circle: associations, institutions, governments, companies, organizations, think tanks, universities, or other bodies.

Commentator: Kristján Björnsson, *Bishop in Skálholt Diocese, Iceland, Member of the Board of IRR*

🕒 17:00 – 18:30

ARCTIC WETLANDS: HOW CAN THEY CONTRIBUTE TO CLIMATE CHANGE MITIGATION AND HEALTHY ECOSYSTEMS?

Organized by Stockholm Environment Institute (SEI), Conservation of Arctic Flora and Fauna (CAFF) working group of the Arctic Council, Swedish Environmental Protection Agency (SEPA), Icelandic Institute of Natural History (NI) and the Agricultural University of Iceland (AUI)

Location: Hafnarkot, Harpa Ground Level

SPEAKERS

Tom Barry, *Executive Secretary, Conservation of Arctic Flora and Fauna Secretariat (CAFF):
Brief Intro on Wetlands within Arctic Council/CAFF*

Marcus Carson: *Resilience and Management of Arctic Wetlands*

Borgþór Magnússon, *Research Scientist, Icelandic Institute of Natural History: Wetlands of Iceland: Status and Restoration?*

Victoria Rose Buschman, *Conservation of Arctic Flora and Fauna Working Group of the Arctic Council (CAFF); University of Washington: Indigenous Perspectives and Engagement in Wetlands Management*

Eypþór Eðvarðsson, *Icelandic Wetland Fund, Restoring Wetlands: Getting Things Moving*

🕒 17:00 – 18:30

SMART AND CONNECTED ARCTIC ENGINEERING – THE KEY TO A BETTER LIFE IN THE COLD

Organized by International Arctic Science Committee (IASC)

Location: Expo Pavilion, Harpa Level K2 – see map

SPEAKERS

Anne Barker, *Arctic Program Leader, National Research Council, Government of Canada:
Engineering Research for Robust Arctic Community Infrastructure*

Tatiana Alekseeva, *Scientific Researcher, Arctic and Antarctic Research Institute:
Recent Climate Changes of Sea Ice and its Influence on the Arctic Infrastructure*

Natsuhiko Otsuka, *Professor, Hokkaido University Arctic Research Center:
Commercial and Navigational Feasibility of the Northern Sea Route*

Vladislav Isaev, *Leading Researcher, Moscow State University: Arctic Coastal Retreat – Risk for the Indigenous People and Industrial Projects*

Hajime Yamaguchi, *Professor, Department of Ocean Technology, Policy, and Environment, The University of Tokyo:
Outlook on Maritime Transport for Sustainable Arctic*

MODERATORS

Hajime Yamaguchi, *Professor, Department of Ocean Technology, Policy, and Environment, The University of Tokyo, Japan*

Alevtina Evgrafova, *PhD candidate, Institute of Geography, Soil Science Group, University of Bern, Switzerland*

🕒 17:00 – 18:30

ARCTIC-GLOBAL INDIGENOUS DIALOGUE: INDIGENOUS GUARDIANSHIP, SELF-GOVERNANCE AND GLOBAL BIODIVERSITY

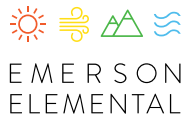
Organized by Nia Tero and Arctic Circle

Location: Akrafjall, Harpa Fourth Level

Open, consultative meeting

CHAIR

Peter Seligmann, *CEO, Nia Tero*



NORTH ATLANTIC STRATEGIC PARTNERS



FOREIGN AFFAIRS



Atlantic Council

BROOKINGS



NATIONAL GEOGRAPHIC



RUSSIAN GEOGRAPHICAL SOCIETY



ARCTICTODAY

European Climate Foundation

UArctic



Munich Security Conference MSC Münchenner Sicherheitskonferenz

International Institute for Applied Systems Analysis IIASA www.iiasa.ac.at



Northern Research Forum



UNIVERSITY OF ICELAND

Háskólinn á Akureyri University of Akureyr



LISTAHÁSKÓLI ÍSLANDS Iceland Academy of the Arts



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ROYAL ARCTIC

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JONAA JOURNAL OF THE NORTH SCIENTISTS

ICMM International Council on Mining & Metals



iisd International Institute for Sustainable Development



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RHAR UNIVERSITY OF AKUREYRI RESEARCH CENTRE



ACGF



Arctic Slope regional corporation

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IASS

TRUENORTH

CDP DRIVING SUSTAINABLE ECONOMIES

FRIDAY, OCTOBER 11 – SESSIONS 18:30 - 19:30

18:30 – 19:30

CONNECTING ARCTIC SCIENCE WITH SOCIETY: LESSONS LEARNED AND PROGRESS

Organized by EU-PolarNet and Nunayartuk (Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research)

Location: Silfurberg B, Harpa Second Level

SPEAKERS

Attilio Gambarbella, *Policy Officer, European Commission: EC Statement on its Role in Arctic Research for Society*

Kirsi Latola, *Research coordinator, Thule Institute, University of Oulu: Stakeholder Engagement in Arctic Research – Lessons learned*

Joan Nymand Larsen, *Professor, University of Akureyri and Stefansson Arctic Institute: Science for Socioeconomic Adaptation – An Example from the Arctic Coasts*

Marie-Noelle Houssais, *Research Director, CNRS-LOCEAN, Chargée de mission, National Institute of Universe Sciences, National Center for Scientific Research, France: Co-Developing Research that Benefits Society – Lessons Learned*

Nicole Biebow, *Head of International Cooperation Unit, Alfred Wegener Institute: Implementing Science for Society – Next Steps*

Moderator: Hugues Lantuit, *Nunataryuk Project Coordinator, Alfred Wegener Institute, Germany*

18:30 – 19:30

NORTHERN NATION BUILDING: FOUR BIG VISIONS TRANSFORMING CANADA'S ARCTIC

Organized by Hill+Knowlton Strategies and NORSTRAT Consulting Inc., Ottawa, Canada

Location: Culture House (Þjóðmenningarhúsið) – see map

SPEAKERS

John Higginbotham, *Sr. Fellow, Centre for International Governance Innovation: Canada's New Arctic Policy Framework: Time to Think Big Again*

Catherine MacQuarrie, *Deputy Secretary, Federal Engagement, Executive and Indigenous Affairs, Government of Northwest Territories, Canada: A Vision for Strengthening Canada's Position in The Arctic*

Madeleine Redfern, *Mayor of Iqaluit, Canada: Big Visions for Small Communities*

Brian Burke, *Executive Director, Nunavut Fisheries Association: Harnessing Science and Harvesting Fish: Sustainable Fisheries Management by and for the Northerners*

Moderator: Lee Carson, *President, NORSTRAT Consulting Inc*

18:30 – 19:30

CHANGING FRESHWATER RESOURCES: SOCIAL, ETHICAL AND ENVIRONMENTAL IMPLICATIONS

Organized by Icelandic Arctic Cooperation Network; Icelandic Meteorological Office; Marine & Freshwater Institute; University

of Akureyri; and Rif Research Station, International Arctic Science Committee (IASC)

Location: Kaldalón, Harpa Ground Level

SPEAKERS

Jón S. Ólafsson, *Senior Scientist, Marine & Freshwater Research Institute: State of the Arctic Freshwater Biodiversity*

Jónína Sigríður Þorláksdóttir, *Station Manager, Rif Field Station, Northeast-Iceland*

Jill R. Welter, *PhD, Program Coordinator and Instructor, Masters Program in Climate Change and Global Sustainability, School for International Training, Graduate Institute, University Centre of the Westfjords, Iceland: Nutrient Transport and Cycling in Arctic Freshwaters: Potential Trajectories and Implications for Food Webs*

Skúli Skúlason, *Professor, Hólar University College and the Icelandic Museum of Natural History: The Value of Biodiversity in Northern Freshwaters: Implications for Society and Ethics of Nature*

Þorvarður Árnason, *Director, University of Iceland's Research Centre in Hornafjörður: Picturing the Climate Crisis: 3D Visualizations of Glacier Recession as a Vehicle for Environmental Communication*

Victoria Rose Buschman, *Conservation of Arctic Flora and Fauna Working Group of the Arctic Council (CAFF); University of Washington: Indigenous Connections to Changing Freshwater Resource*

Halldór Björnsson, *Climatologist*

Moderator: Þorsteinn Þorsteinsson, *Glaciologist, Icelandic Meteorological Office*

Sessions are organized by partners of the Arctic Circle: associations, institutions, governments, companies, organizations, think tanks, universities, or other bodies.

18:30 – 19:30 ARCTIC (IN)SECURITIES: OLD AND NEW

Organized by Centre for Arctic Studies, University of Iceland

Location: Háaloft, Harpa Eighth Level

SPEAKERS

Page Wilson, Associate Professor, University of Iceland
Costs, Capabilities and Coordination: NORDEFCO at Ten

Silja Bára Ómarsdóttir, Associate Professor, International Affairs,
Faculty of Political Science, University of Iceland:
Iceland's Foreign and Security Policy

Maria Ackrén, Associate Professor, *Ilisimatusarfik (University of Greenland): The Triangle Drama of Pituffik/Thule?*

Marc Lanteigne, Associate Professor, UiT – The Arctic University of Norway: *The Rule that Disproves the Exception? How the Arctic Became Securitised*

Maria Lagutina, Associate Professor, St Petersburg State University:
Russia's Arctic Security Policy

Moderator: Page Wilson, Associate Professor, University of Iceland

18:30 – 19:30 PRESERVING ARCTIC LANGUAGES: A WEST NORDIC PERSPECTIVE

Organized by the West Nordic Council

Location: Esja, Harpa Fifth Level

SPEAKERS

Sigríður Sigurjónsdóttir, Professor of Icelandic Linguistics,
University of Iceland

Jóhanna Vigdís Guðmundsdóttir, Director of *Almannarómur* –
Center for Language Technology

H.E. Lilja Alfreðsdóttir, Minister for Education, Science and
Culture, Iceland

PANEL

Vivian Motzfeldt, President, the West Nordic Council, Member of
Inatsisartut, the Greenlandic Parliament

Henrik Old, Member of the Faroese Parliament; Second Vice
President, West Nordic Council

Guðjón S. Brjánnson, Member of the Icelandic Parliament; First
Vice President, West Nordic Council

Moderator: Sigurður Ólafsson, Secretary General, West Nordic
Council

18:30 – 19:30 CROSSROADS: ACTION NOW – ENGAGING THIS GENERATION TO SAVE THE NEXT – ARCTIC EDUCATION

Organized by UiT – The Arctic University of Norway; Maine
North Atlantic Institute, University of Southern Maine; Reykjavik
University; University of Akureyri; University of Iceland

Location: Akrafjall, Harpa Fourth Level

SPEAKERS

Ari Kristinn Jónsson, PhD, Rector, Reykjavik University:
*Engaging Graduate Students in Projects to Meet Immediate Economic
and Environmental Challenges*

Anne Husebekk, Rector, UiT – The Arctic University of Norway,
Chair, Fram Centre Advisory Board: *Sustainability for the Next
Generation(s) through Research and Education*

Judy Tupper, DHEd, Director, Population Healthy and Policy Program,
University of Southern Maine: *Advancing Academic Collaboration
Between Arctic and Non-Arctic Institutions: Facilitators and Challenges*

Rafn Helgason, Student, University of Iceland: *The Student
Perspective: How to Engage This Generation to Save the Next?*

Moderator: Eyjólfur Guðmundsson, Rector, University of
Akureyri

FRIDAY, OCTOBER 11 – SESSIONS 18:30 - 19:30

18:30 – 19:30 SUSTAINABLE TOURISM DEVELOPMENT IN THE ARCTIC

Organized by Polar Research and Policy Initiative (PRPI), United Kingdom

Location: Icelandic Ministry of Industries and Innovation – see map

SPEAKERS

Shaleen Woodward, *Deputy Secretary, Indigenous and Intergovernmental Affairs, Government of Northwest Territories, Canada*

Chris Horbel, *Associate Professor, Department for Cultural and Social Studies, Norwegian School of Sports Sciences; Associate Professor, Department of Sociology, Environmental and Business Economics, University of Southern Denmark (SDU)*

Nathan Reigner, *Principal, Recreation & Tourism Science, US*

Sarah Johnson, *CEO, We Are LOTUS, UK*

Alexa Tonkavich, *Consultant, We Are LOTUS, US*

Terzah Tippin Poe, *Lecturer, Harvard University; US Lead, Polar Research and Policy Initiative, US*

Jonathan Turner, *Director, NLA International, UK*

Høgni Reistrup, *Advisor to the Mayor, Torshavn Municipality, Faroe Islands*

Nils Arne Johnsen, *Director, Regional Business Development, Troms County Council, Norway*

Moderator: Dwayne Ryan Menezes, *Founder & Managing Director, Polar Research and Policy Initiative, UK*

18:30 – 19:30 SMALL SCALE & SUSTAINABLE ENERGY IN THE NORTH

Organized by Cold Regions Research and Engineering Laboratory (CRREL) at the U.S. Army Engineer Research and Development Center

Location: Hafnarkot, Harpa Ground Level

SPEAKERS

Gwen Holdmann, *Director, Alaska Center for Energy and Power, University of Alaska Fairbanks: Microgrids and Rural Community Power Generation*

Robert Yost, *President, American Wind Inc; Inventor of the Microcube wind turbine: Compact Wind in the Arctic*

Mary Albert, *PhD, Professor and Executive Director of the U.S. Ice Drilling program, Dartmouth: Energy Needs of a Rural Community in the Arctic – Qaanaaq Greenland*

Arnór Eiðsson, *Árteigur: Micro Hydro in the Arctic*

Joachim Karthäuser, *CTO & Founder, Climeon:*

Modular Geothermal in the Arctic

Moderator: Viktoria Gisladottir, *PhD, Research Mechanical Engineer, Cold Regions Research and Engineering Laboratory (CRREL), U.S. Army Engineer R&D Center*

18:30 – 19:30 RESTORING SEA ICE IN THE ARCTIC – BUILDING GLOBAL AND LOCAL COLLABORATIONS

Organized by Ice911

Location: Björtuloft, Harpa Fifth Level

SPEAKERS

Peter Wadhams, *Professor Emeritus, Head of the Polar Ocean Physics Group in the Department of Applied Mathematics and Theoretical Physics, University of Cambridge*

Nagruk Harcharek, *Director, Barrow Operations and Vice President of Ukpeagvik Inupiat Corporation Lands*

Leslie Field, *Founder and CEO, ICE911 Research; Lecturer, Stanford*

Anthony Manzara, *Scientist, Ice911 Research*

Moderator: Stephanie Lapensee, *Senior Vice President, Philanthropy and Strategic Partnerships, Ice911*

18:30 – 19:30 COMMUNITY OF PRACTICE IN THE ARCTIC: PATIENT ENGAGEMENT IN GREENLAND AND THE NORTHWEST TERRITORIES

Organized by Institute for Circumpolar Health Research

Location: Silfurberg A, Harpa Second Level

SPEAKERS

Christina Viskum Lytken Larsen, *Senior Researcher, National*

Sessions are organized by partners of the Arctic Circle: associations, institutions, governments, companies, organizations, think tanks, universities, or other bodies.

Institute of Public Health, University of Southern Denmark & University of Greenland

Ingelise Olesen, *Indigenous Research Coordinator, Centre for Public Health in Greenland, University of Greenland and University of Southern Denmark*

Christine Ingemann, *Scientific Assistant, Centre for Public Health in Greenland, University of Greenland and University of Southern Denmark*

Felix Lockhart, *Dene Elder, Traditional Advisor and Facilitator; Member of Community of Practice*

Moderator: Kimberly Fairman, *Executive Director, Institute for Circumpolar Health Research*

18:30 – 19:30 **WHAT IS SUSTAINABLE DEVELOPMENT IN THE ARCTIC AND ARE COMPANIES PROMOTING IT?**

Organized by WWF – World Wildlife Fund/World Wide Fund for Nature

Location: Viðey, Harpa Second Level

SPEAKERS

Valerie Fogleman, *Professor of Law; Consultant, Cardiff University School of Law and Politics; Stevens & Bolton LLP:*

Offshore Oil and Gas Operations: Are liability and Financial Security Systems for Harm to Human Health and the Environment Adequate?

Kirt Ejesiak, *Chairman & CEO, Arctic UAV Inc.: Development in the Arctic: Perspectives from Nunavut*

Heiðar Guðjónsson, *Managing Director, Ursus; Chairman, Arctic Economic Council: The Arctic Investment Protocol*

Anthony Field, *WWF-UK Arctic Sustainable Development Manager: New Research on Main Business Sectors Operating in the Arctic*

Moderator: Anthony Field, *WWF-UK Arctic Sustainable Development Manager*

18:30 – 19:30 **SUPERCOMPUTING FOR INTERNATIONAL ARCTIC SCIENCE**

Organized by The National Renewable Energy Laboratory (NREL), Golden, Colorado, US; United States Department of Energy (US DOE)

Location: Ríma A, Harpa Ground Level

SPEAKERS

Steven Hammond, *Director, Computational Science Center, National Renewable Energy Laboratory, Colorado, US*

Dr. Gísli Hjálmtýsson, *Dean, School of Technology, Reykjavik University*

Robert K. Dixon, *Senior Director for Strategic Initiatives, Office of International Affairs, Department of Energy, Washington, DC, US*

David Martin, *Manager of Industry Partnerships and Outreach, Argonne National Laboratory, Illinois, US*

Bob Fletcher, *VP Strategy, Verne Global, Massachusetts, US*

Moderator: William Patrowicz, *CEO, Kaiser Global, New York, US*

18:30 – 19:30 **BRAZIL AND THE SUSTAINABILITY OF THE ARCTIC**

Organized by SE2T International, Ltd; & Hellebust International Consulting AS (Norway)

Location: Flói, Harpa Ground Level

SPEAKERS

Sergio Trindade, *President, SE2T International, Ltd: Sustainability of the Build-Operate-Decommission Cycle: The Context for Brazil in the Arctic*

Celma Regina Hellebust, *President, Hellebust International Consulting AS: Decommissioning of Oil and Gas Facilities in High Stake Environments – The Brazilian Experience*

Leonardo Mattos, *Professor, Brazilian Navy War College: The Brazilian Experience in Antarctica and its Relevance to the Arctic*

FRIDAY, OCTOBER 11 – SESSIONS 18:30 - 19:30

18:30 – 19:30 A VISION FOR SHIPPING IN THE ARCTIC

Organized by Clean Arctic Alliance

Location: Expo Pavilion, Harpa Level K2 – see map

SPEAKERS

Pen Hadow, Arctic Ocean explorer, oceanographer and conservationist; Director, 90 North

Pam Pearson, Director, International Cryosphere Climate Initiative

Sian Prior, Lead Advisor, Clean Arctic Alliance

Sean P. Thomas, Vice-President, Crowley Maritime Corporation: Innovations in Arctic Logistics

Moderator: Pen Hadow, Arctic Ocean explorer, oceanographer & conservationist; Director, 90 North

18:30 – 19:30 CLIMATE CHANGE IN THE ARCTIC: WHERE DO WE GO FROM HERE?

Organized by WWF Arctic Programme

Location: Skarðsheiði, Harpa Third Level

SPEAKERS

The IPCC Special Report on the Ocean and Cryosphere: Implications for a Changing Arctic

- **Martin Sommerkorn**, Head of Conservation, WWF Arctic Programme and Coordinating Lead Author of the Polar Regions chapter of the IPCC SROCC

- **Mike Meredith**, Oceanographer and Science Leader, British Antarctic Survey

Geir Ottersen, Senior Research Scientist, Norwegian Institute of Marine Research:

Rising Temperatures and Melting Ice: Challenges and Possible Responses to Changes in Arctic Marine Ecosystems and Fisheries

Niila Inga, former President, Swedish Sami Association:

Effects of a Changing Climate on Reindeer Husbandry in Sápmi

Pétur Halldórsson, Chair, Icelandic Youth Environmentalist Association: *Climate Change in the Arctic – the Perspective of Youth*

Gary Kofinas, Professor Emeritus, Natural Resource Policy and Management, University of Alaska Fairbanks: *Resilience in a Rapidly Changing Arctic*

Moderator: Peter Winsor, Director of WWF Arctic Programme

18:45 – 20:30 ICELAND VS. FRANCE FOOTBALL MATCH SCREENING

Organized by Embassy of France, Reykjavík

Location: Ríma B

19:30 – 20:30 RECEPTION

OPEN TO ALL ASSEMBLY ATTENDEES

Hosted by Minister for Foreign Affairs of Iceland H.E. Guðlaugur Þór Þórðarson

Location: Norðurljós Hall, Harpa Second Level



RECEPTION

19:30-20:30, FRIDAY, OCTOBER 11TH

Hosted by H.E. Guðlaugur Þór Þórðarson,
Minister for Foreign Affairs of Iceland

Location: Norðurljós, Harpa Second Level

Open to All Assembly Participants



Government of Iceland
Ministry for Foreign Affairs

FRIDAY, OCTOBER 11 – SESSIONS 20:30 - 21:30

20:30 – 21:30 RECEPTION: MODERN GREENLANDIC CULTURE

Hosted by Sermersooq Municipality, Greenland

Location: Norðurbryggja, Harpa Ground Level

Guests will have the opportunity to taste Greenland's vibrant culinary traditions, with a modern twist.

PERFORMANCES BY NANOOK AND SMALL TIME GIANTS

WELCOME

Charlotte Ludvigsen, *Mayor of Sermersooq Municipality, Greenland*

20:30 – 21:30 UARCTIC CONGRESS 2020: COMING TO ICELAND

Organized by UArctic, University of Akureyri, Bifröst University, University Centre of the Westfjords, University of Iceland, Reykjavik University, Iceland University of the Arts, Hólar University College, and the Agricultural University of Iceland

Location: Björtuloft, Harpa Fifth Level

SPEAKERS

Lars Kullerud, *President, UArctic:*
Welcome and General Information on UArctic Congress 2020

Eyjólfur Guðmundsson, *Rector, University of Akureyri:*

Welcome from the Host Organizations, and Overview on the UArctic Congress 2020 Program

Kirsi Latola, *Research coordinator, Thule Institute, University of Oulu:*
UArctic Congress 2020 Science Section and Call for Session Proposals

20:30 – 21:30 CIRCUMPOLAR EMPOWERMENT: THE PAN-ARCTIC VISION OF A UNITED NORTH

Organized by Troms County Council, Arts Council Norway, Arctic Arts Festival and Nordting

Location: Silfurberg A, Harpa Second Level

SPEAKERS

Ragnheidur Skuladottir, *Director, Arctic Arts Festival, Iceland*

Liv Hanne Haugen, *Artist, Nordting (The Northern Assembly)*

Erik Stifjell, *Artist, Nordting (The Northern Assembly)*

Moderator: Amund Sjølie Sveen, *Founder – Nordting (The Northern Assembly)*

20:30 – 21:30 DIGITALIZING PUBLIC INVOLVEMENT IN ARCTIC BLUE GROWTH

Organized by High North Center for Business and Governance, Nord University, Bodø, Norway

Location: Skarðsheiði, Harpa Third Level

A UN SDG sustainability workshop for Blue Economy projects using digitalizing tools

SPEAKERS

Karin Berentsen, *Founder, ARCT AS: Principal and founder of ARCT AS: ARCT – A Digital Dialogue Tool for Better Public Involvement and Mapping how the UN SDGs Affects a Project*

Andreas Raspotnik, *Senior Researcher, High North Center for Business and Governance, Nord University Business School: AlaskaNor - Opportunities for Blue Growth in Alaska and North Norway*

Moderator: Trine Jonassen, *Communications Advisor, High North Center for Business and Governance, Nord University Business School*

20:30 – 21:30 A NEW BOARDGAME FOR A CHANGING ARCTIC

Organized by ArCS (Arctic Challenge for Sustainability), Japan

Location: Akrafjall, Harpa Fourth Level

SPEAKERS

Tetsuo Sueyoshi, *Project Associate Professor, National Institute of Polar Research (NiPR), Japan:*

Japan's National Program Arctic Challenge for Sustainability (ArCS)

Hajime Kimura, *Engineer, Japan Agency for Marine-Earth Science and Technology (JAMSTEC): The Key Concept of the Arctic Board Game: Arctic Science and Governance*

Tomokazu Fukui, *Science Communicator, National Museum of Emerging Science and Innovation (Miraikan): Changing Arctic and Science Communication: Why the Board Game?*



CHINESE ARCTIC RESEARCH EXPEDITIONS

EXHIBITION

Location: Harpa Corner, 2nd Level

ORGANIZED BY:

Ministry of Natural Resources of the P. R. China,
Embassy of the P. R. China in Iceland

Sponsored by: Polar Research Institute of China



中华人民共和国驻冰岛大使馆
Höfuðstöðvar Kínverska Sýðisvæðingis í Íslandi



SATURDAY, OCTOBER 12 – SESSIONS 8:00 - 9:00

08:00 – 09:00 US HIGH ARCTIC RESEARCH CENTER

Organized by University of Alaska Fairbanks (UAF) Geophysical Institute

Location: Esja, Harpa Fifth Level

SPEAKERS

Nettie La Belle-Hamer, *University of Alaska Fairbanks (UAF), Geophysical Institute; Director, Alaska Satellite Facility; Deputy Director, Geophysical Institute*

Lori Parrott, *Manager, Atmospheric Sciences, Sandia National Laboratories (SNL)*

08:00 – 09:00 SECURING SNOW FOR WINTER TOURISM

Organized by EIT Climate-KIC

Location: Akrafjall, Harpa Fourth Level

SPEAKERS

Ilona Mettiäinen, *Researcher, Arctic Centre, University of Lapland: Securing Snow for Winter Tourism – How can a Climate Service Help?*

Martin Coath, *Senior Affiliated Researcher, Arctic Centre, University of Lapland; Associate lecturer, School of Geography, Earth and Environmental Sciences, University of Plymouth: Bridging the Gap Between Science and Snowmaking - Presenting Seasonal Forecast in a Meaningful Way for Business Decisions*

08:00 – 09:00 MARINE SUSTAINABILITY CHALLENGES IN THE ARCTIC

Organized by University of Iceland

Location: Rima B, Harpa Ground Level

SPEAKERS

Lára Jóhannsdóttir, *Professor, Environment and Natural Resources, University of Iceland: Systemic Risk of Maritime-Related Oil Spills in the Arctic*

Catherine Chambers, *Director, Coastal and Marine Management, University Centre of the Westfjords: Good Marine Governance: Social Aspects of Fisheries and Aquaculture*

Laura Malinauskaite, *PhD candidate, Environment and Natural Resources, University of Iceland: Socio-Cultural Valuation of Ecosystem Services of Whales in Skjálfandi Bay, Iceland*

David Cook, *Post-doctoral Researcher, Environment and Natural Resources, University of Iceland: Evaluating the Marine EBM of Whale Sanctuaries in the Arctic – The Cases of Faxaflói Bay and Ninginganiq*

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ARCTIC CIRCLE JAPAN FORUM

November 2020

In connection to
the Arctic Science Ministerial Meeting

Location: Tokyo



SATURDAY, OCTOBER 12 – PLENARY SESSIONS 09:00 - 11:15

09:00 – 09:30 **NEW ARCTIC POLICIES**

I. SPEECH: SCOTLAND'S FIRST ARCTIC POLICY FRAMEWORK

Paul Wheelhouse MSP, *Minister for Energy, Connectivity and the Islands, Scottish Government*

Questions and answers

II. SPEECH: SWITZERLAND'S ARCTIC POLICY

Ambassador Stefan Estermann, *Head of the Sectoral Foreign Policies Division, Swiss Federal Department of Foreign Affairs*

Questions and answers

CHAIR

Frederik Paulsen, *Founding Member, Swiss Polar Institute, Lausanne*

09:30 – 10:00 **GREENLAND ON THE WORLD STAGE: DIALOGUE WITH DIPLOMATS IN WASHINGTON, BRUSSELS, REYKJAVÍK AND COPENHAGEN**

DIALOGUE

Jacob Isbosethsen, *Head of Representation, Greenland Representation to Iceland, Reykjavik*

Mininnguaq Kleist, *Head of Representation, Greenland Representation to the E.U., Brussels*

Inuuteq Holm Olsen, *Head of Representation, Greenland Representation to the United States and Canada, Washington, DC*

Lida Skifte Lennert, *Head of Representation, Greenland Representation in Copenhagen, Denmark*

CHAIR

H.E. Ólafur Ragnar Grímsson, *Chairman Arctic Circle*

10:00 – 10:20 **CarbFix – TURNING CO₂ TO STONE**

SPEECH

Edda Sif Aradóttir, *Project Manager, Orkuveita Reykjavíkur – Reykjavik Energy*

10:20 – 10:35 **VATNAJÖKULL NATIONAL PARK: A NEW UNESCO WORLD HERITAGE SITE**

SPEECH

H.E. Guðmundur Ingi Guðbrandsson, *Minister of Environment and Natural Resources, Iceland*

10:35 – 11:15 **INUIT: THE FUTURE WE WANT**

Organized in cooperation with Inuit Circumpolar Council

OPENING

H.E. Ólafur Ragnar Grímsson, *Chairman Arctic Circle*

PANEL

Verner Hammeken, *CEO, Royal Arctic Line A/S, Greenland*

Valerie Davidson, *former Lieutenant Governor, State of Alaska*

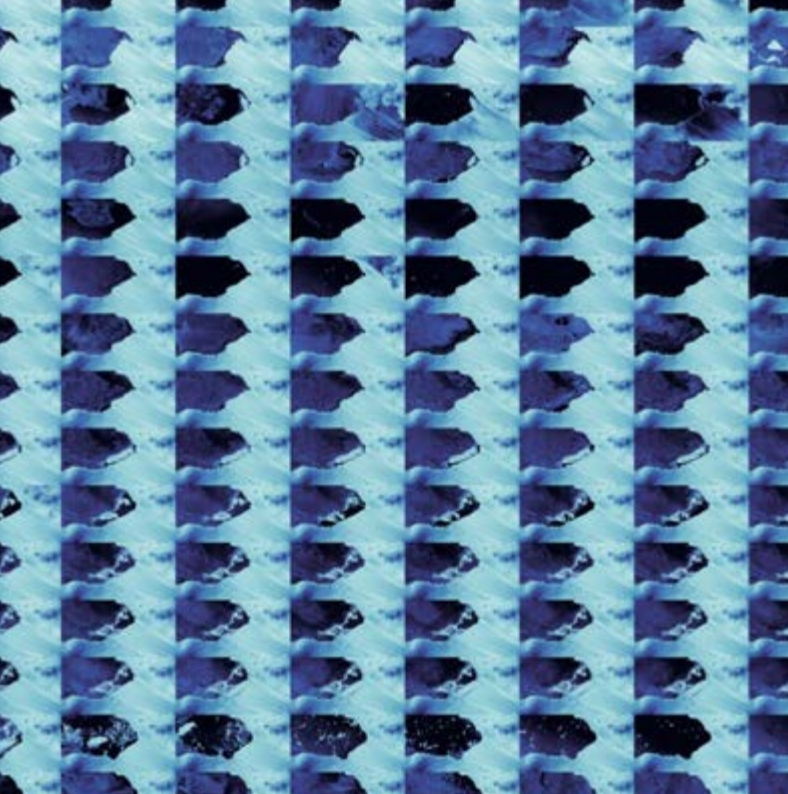
Sara Olsvig, *Director, UNICEF, Greenland*

Natan Obed, *President, Inuit Tapiriit Kanatami, the national Inuit organization of Canada*

CHAIR

Dalee Sambo Dorough, *Chair, Inuit Circumpolar Council*

11:15 – 11:30 **COFFEE BREAK**



#EARTH #ART BUT NOT ONLY...

EXHIBITION

Location: Norðurbryggja, Harpa Ground Level

Images from the Copernicus Earth Observation Programme

ORGANIZED BY:

European Union - Copernicus



SATURDAY, OCTOBER 12 – SESSIONS 11:30 - 12:15

11:30 – 12:15 AVIATION IN THE ARCTIC

Organized by Isavia

Location: Ríma A, Harpa Ground Level

SPEAKERS

Ásgeir Pálsson, *Director of Air Navigation Division, Isavia*

Sigrún Björk Jakobsdóttir, *Director of Regional Airports, Isavia*

Pórdís Sigurðardóttir, *Manager, Isavia*

11:30 – 12:15 A SCOTTISH PERSPECTIVE ON CLIMATE CHANGE, CLIMATE JUSTICE & HUMAN RIGHTS

Organized by the Scottish Parliament

Location: Akrafjall, Harpa Fourth Level

SPEAKERS

Gillian Martin MSP, *Convener, Environment, Climate Change and Land Reform Committee, Scottish Parliament*

Elisa Morgera, *Professor, Global Environmental Law and Co-Director, Strathclyde Centre for Environmental Law and Governance, University of Strathclyde*

Finlay Carson MSP, *Deputy Convener, Environment, Climate Change and Land Reform Committee, Scottish Parliament*

Charlotte Hartley, *Member of the Just Transition Commission and Board Trustee at 2050 Climate Group (via Skype)*

11:30 – 12:15 ARCTIC INFRASTRUCTURE AND COMMUNITIES: CLOSING THE GAP

Organized by Canada Research Chair in Aboriginal Governance and Law, UNBC

Location: Esja, Harpa Fifth Level

SPEAKERS

Halldór Jóhannsson, *Executive Director, Arctic Portal, Iceland: Business Infrastructure in the Arctic – The Arctic Business Directive and Communities*

Andrey Petrov, *President, International Arctic Social Sciences Association, Director, ARCTICenter, University of Northern Iowa: Tundra Tracks: Understanding Informal Multipurpose Pathway Infrastructure in the Arctic*

Natalia Loukacheva, *Canada Research Chair in Aboriginal Governance and Law, University of Northern British Columbia, Canada: Communications Infrastructure in the Canadian Arctic and Communities: Closing the Gap*

MODERATORS

Natalia Loukacheva, *Canada Research Chair in Aboriginal Governance and Law, University of Northern British Columbia, Canada*

Violetta Gassiy, *Professor, Kuban State University, Russian Federation*

11:30 – 12:15 REALISING THE POTENTIAL OF “A PREDICTED OCEAN” – WHAT IS NEEDED?

Organized by Blue-Action, DMI, Technical University of Denmark, National Institute of Aquatic Resources (DTU Aqua), DNV GL - Oil & Gas, Conservation International

Location: Skarðsheiði, Harpa Third Level

SPEAKERS

Mark Payne, *Senior Researcher, Technical University of Denmark, National Institute of Aquatic Resources (DTU Aqua)*

Øivin Aarnes, *Principal Specialist, Environmental Risk and Preparedness, DNV GL – Oil & Gas*

Johann Bell, *Senior Director - Pacific Tuna Fisheries, Conservation International*

11:30 – 12:15 GLOBALARCTIC: FROM A THEORETICAL CONCEPT TO A GOVERNANCE INSTRUMENT

Organized by GlobalArctic Project in collaboration with Thematic Network on Geopolitics and Security; PEEEX program/ Thematic Network – Arctic Boreal Hub

Location: Björtuloft, Harpa Fifth Level

SPEAKERS

Hanna K. Lappalainen, *Research coordinator, INAR & PEEEX, University of Helsinki: Global Relevance of Observation and Modelling of Arctic-Boreal Domain*

Sessions are organized by partners of the Arctic Circle: associations, institutions, governments, companies, organizations, think tanks, universities, or other bodies.

Alexander Sergunin, *Professor, St. Petersburg State University: Global Agreement on the Conservation and Sustainable Use of Arctic Marine Biodiversity – The Russian Perspective*

Lassi Heininen, *Research Director, INAR at University of Helsinki: Role of Societal Security in Arctic Policies – From a Global Perspective*

June Borge Doornich, *NORD University*

11:30 – 12:15 THE POLAR SILK ROAD: PAN-ARCTIC COOPERATION: IMPLEMENTATION AND IMPACT

Organized by Science Diplomacy Center, Fletcher School of Law and Diplomacy, Tufts University

Location: Norðurljós, Harpa Second Level

SPEAKERS

Mia Bennett, *Assistant Professor, Geography Department and School of Modern Languages & Cultures (China Studies Programme), University of Hong Kong*

Marc Lantigne, *Associate Professor, Political Science (China, East Asia, Polar Region), UiT the Arctic University of Norway*

Qingchao Xu, *PhD, Visiting scholar of the Science Diplomacy Center, Fletcher School of Tufts University, US: The Polar Silk Road and China's Arctic Policy Goals*

11:30 – 12:15 SUSTAINABLE DEVELOPMENT IN THE ARCTIC: ETHICAL AND COMMUNICATION CHALLENGES

Organized by University of New England, Harvard University, Verrill LLP

Location: Flói, Harpa Ground Level

SPEAKERS

Benjamin Ford, *Partner, Verrill, LLP*

Holly Parker, *Assistant Provost, Strategic Initiatives, University of New England*

Terzah Tippin Poe, *Lecturer and Teaching Fellow, Harvard University; US Lead Polar Research and Policy Initiative*

11:30 – 12:15 LEADERSHIP, ARCTIC GENDER EQUALITY AND DIVERSITY

Organized by the Ministry for Foreign Affairs of Iceland; the Nordic Council of Ministers; the Icelandic Arctic Cooperation Network; Icelandic Directorate of Equality; Centre for Arctic Studies, University of Iceland; University of Akureyri

Location: Kaldalón, Harpa Ground Level

SPEAKERS

Hjalti Ómar Ágústsson, *Project Coordinator, Icelandic Arctic Cooperation Network*

Sara Olsvig, *Head of Programme, UNICEF Denmark: Empowerment of Children and Youth through Promotion of Children's Rights*

Gunn-Britt Retter, *Head of Arctic and Environmental Unit, Saami Council*

Eva Maria-Svensson, *Deputy Head, Department of Law, Gothenburg University*

Issát Turi, *Saami Reindeer Herder, Kautokeino, Norway*

Anastasia Ulturgasheva, *Researcher, Icelandic Arctic Cooperation Network, Stefansson Arctic Institute*

Silja Bára Ómarsdóttir, *Associate Professor of International Affairs, Faculty of Political Science, University of Iceland*

Moderator: Stefán Skjaldarson, *Chair, Sustainable Development Working Group, Ministry for Foreign Affairs, Iceland*

11:30 – 12:15 EAST ASIAN ECONOMIC INTEGRATION

Organized by China Investment Research

Location: Ríma B, Harpa Ground Level

SPEAKERS

Henry Tillman, *Founder and Chairman, China Investment Research*

Zhang Pei, *Research Fellow, Shanghai Institutes for International Studies*

Additional speakers to be announced

SATURDAY, OCTOBER 12 – SESSIONS 11:30 - 12:15

11:30 – 12:15 WORLD HERITAGE AND LARGE-SCALE PROTECTED AREAS IN THE ARCTIC

Organized by the Ministry of the Environment and Natural Resources, Iceland

Location: Háaloft, Harpa Eighth Level

Snorri Baldursson, *Dean, Agricultural University of Iceland*

Óli Halldórsson, *Chair, Central Highlands National Park Founding Committee*

Tom Barry, *Executive Secretary, Conservation of Arctic Flora and Fauna Secretariat (CAFF)*

Moderator: Sigríður Viðis Jónsdóttir, *political advisor to the Minister for the Environment and Natural Resources.*

11:30 – 12:15 THE ARCTIC HAS ENTERED A NEW PHASE OF ABRUPT CLIMATE CHANGE

Organized by University of Bergen, Bjerknes Centre for Climate Research & Academia Europaea Bergen Knowledge hub

Location: Viðey, Harpa Second Level

SPEAKERS

Eystein Jansen, *Professor, University of Bergen/Bjerknes Centre for Climate Research: Are Ongoing Climate Change in the Arctic Abrupt in the Perspective of Past Abrupt Changes?*

Jens Hesselbjerg Christensen, *Professor, Niels Bohr Institute, University of Copenhagen:*

What are the Expected Future Changes in Arctic and Greenland Climates in the Future Due to Continued Manmade Climate Forcing

Eystein Jansen/Jens Hesselbjerg Christensen:
How Vulnerable is the Greenland Ice Sheet?

12:15 – 13:00 NETWORKING LUNCH

OPEN TO ALL ASSEMBLY PARTICIPANTS

Hosted by Arctic Green Energy



BREATHING CITIES

LUNCH

12:15-13:00, Saturday, October 12th

Hosted by Arctic Green Energy
Corporation

Open to All Assembly Participants



ARCTICGREEN
ENERGY CORPORATION

SATURDAY, OCTOBER 12 – PLENARY SESSIONS 13:00 - 16:15

13:00 – 13:30 TOWARDS A NEW ARCTIC STRATEGY FOR THE EUROPEAN UNION

SPEAKERS

Senator Jean Bizet, *President of the European Affairs Committee, Senate of France*

Ambassador Jari Vilen, *Senior Adviser for Arctic Policy, European Political Strategy Centre (EPSC)*

Questions and answers

CHAIR

H.E. Marie-Anne Coninx, *Ambassador at large for Arctic Affairs, European External Action Service*

13:30 – 13:40 THE GLOBAL ARCTIC MISSION COUNCIL OF ARCTIC CIRCLE: STATEMENT BY THE CHAIR, PROFESSOR LASSI HEININEN

SPEAKER

Lassi Heininen, *Research Director, Institute for Atmospheric and Earth Research, University of Helsinki*

13:40 – 14:00 SCIENCE SPOTLIGHT: LIVE LINK TO THE MOSAIC EXPEDITION

INTRODUCTION

Anja Sommerfeld, *MOSAIC Project Manager, Alfred Wegener Institute*

DIALOGUE WITH SCIENTISTS ON BOARD

14:00 – 14:20 SCIENCE SPOTLIGHT: CRYOSPHERE CHANGES AND THEIR IMPACTS ON THE THIRD POLE

SPEECH

Yao Tandong, *Professor, Honorary Director, Institute of Tibetan Plateau Research, Chinese Academy of Sciences; Member of the Chinese Academy of Sciences*

CHAIR

Dagfinnur Sveinbjörnsson, *CEO, Arctic Circle*

14:20 – 14:35 BRINGING ANIMALS BACK TO THE ARCTIC: A NEW WAY TO FIGHT CLIMATE CHANGE

SPEAKER

Nikita Zimov, *Director, Pleistocene Park*

14:35 – 15:15 ARCTIC TIPPING POINTS

Organized in cooperation with Potsdam Institute for Climate Impact Research

SPEAKERS

Stefan Rahmstorf, *Professor, Head of Earth System Analysis, Potsdam Institute for Climate Impact Research, Germany*

Antje Boetius, *Professor, Director of the Alfred Wegener Institute, Bremerhaven, Germany*

Halldór Björnsson, *Leader of Atmospheric Research, Icelandic Met Office*

CHAIR

Brynhildur Davíðsdóttir, *Professor, Head of Environment and Natural Resources, University of Iceland*

15:15 – 15:30 ARCTIC CIRCLE PRIZE CEREMONY

15:30 – 16:15 KEYNOTE BY THE HONORABLE JOHN KERRY, FORMER U.S. SECRETARY OF STATE

SPEECH

Hon. John Kerry, *former United States Secretary of State*

Questions and answers

CHAIR

H.E. Ólafur Ragnar Grímsson, *Chairman Arctic Circle*

16:15 – 16:30 COFFEE BREAK



INUIT QAUJIMAJATUQANGIT: ART, ARCHITECTURE AND TRADITIONAL KNOWLEDGE

Exhibition

Location: Himnastiginn

A first of its kind in Canadian art history, traditional Inuit knowledge has been integrated into the architecture of the new Canadian High Arctic Research Station (CHARS) in Ikalukutiak, Nunavut. Artists from across Inuit Nunangat territories created works illustrating the contribution of the ingenuity and inventiveness of past and present Inuit peoples to the development of science and technology.

ORGANIZED BY: EVOQ Architecture

CURATED BY: Isabelle Laurier

EVOQ
ARCHITECTURE

**LA
GUILDE**
1906

 **McGill**

N·F·O·E

TERRES EN VUES

LAND InSIGHTS

Société pour la diffusion de la culture autochtone

 Polar Knowledge
Canada

SATURDAY, OCTOBER 12 – SESSIONS 16:30 - 17:30

16:30 – 17:30 RESTORING SEA ICE IN THE ARCTIC – IMPORTANT SCIENTIFIC AND ECOLOGICAL CONSIDERATIONS

Organized by Ice911

Location: Björtuloft, Harpa Fifth Level

SPEAKERS

Peter Wadhams, *Professor Emeritus, Head of the Polar Ocean Physics Group in the Department of Applied Mathematics and Theoretical Physics, University of Cambridge*

Cynthia Scharf, *Senior Strategy Director, Carnegie Climate Governance Initiative (C2G)*

Leslie Field, *Founder and CEO, ICE911 Research; Lecturer, Stanford*

Anthony Manzara, *Scientist, ICE911 Research*

Moderator: Steve Payne, *Governing Board Member, Ice911*

16:30 – 17:30 GREENLANDIC PERSPECTIVES ON ENVIRONMENTAL CHANGE – VISUAL INSIGHTS FROM A NATIONAL SURVEY

Organized by Greenland Perspective, Ilisimatusarfik (University of Greenland) and University of Copenhagen

Location: Rima A, Harpa Ground Level

SPEAKERS

Minik Rosing, *Professor, University of Copenhagen: Introducing the Greenland Perspective Initiative*

Nadine Kleemann, *Research Assistant, Greenland Perspective: Video Fieldnotes from the Nationally Representative Greenlandic Perspectives Survey (GPS)*

Kelton Minor, *PhD student, Social and Behavioral Data Science, University of Copenhagen and Kraks Fond Institute for Urban Research: Mapping Public Opinion about Environmental Change and Adaptation Across Greenland*

16:30 – 17:30 LESSONS FROM ALASKA: PARTNERING FOR A RESILIENT AND SECURE ARCTIC – NATIONAL LABS AND UNIVERSITY OF ALASKA FAIRBANKS

U.S. Department of Energy, Sandia National Laboratories, Los Alamos National Laboratory, Pacific Northwest National Laboratory, University of Alaska Fairbanks

Location: Norðurljós, Harpa Second Level

SPEAKERS

Lori Parrott, *Manager, Arctic Science and Security, Sandia National Laboratories (SNL)*

Nettie LaBelle Hamer, *University of Alaska Fairbanks (UAF), Geophysical Institute; Director, Alaska Satellite Facility; Deputy Director, Geophysical Institute*

Matthew Heavner, *Global Security, Intelligence, and Emerging Threats, Los Alamos National Laboratory*

Jill Brandenberger, *Operational Readiness and Assurance, Pacific Northwest National Laboratory*

Moderator: Larry Hinzman, *Vice Chancellor Research, University of Alaska Fairbanks*

16:30 – 17:30 DEFINING A ROADMAP FOR ARCTIC OBSERVING

Organized by Sustaining Arctic Observing Networks (SAON)

Location: Expo Pavilion, Harpa Level K2 – see map

SPEAKERS

Sandy Starkweather, *Vice-Chair, SAON, NOAA, USA Advancing SAON's Roadmap for Arctic Observing and Data Systems*

Andrea Tilche, *UiT – The Arctic University of Norway: The Path Towards an Integrated Arctic Observing System: A New Push from the Arctic Science Ministerials*

Árni Snorrason, *Icelandic Meteorological Office, Global Cryosphere Watch (GCW):*

The Contribution of WMO and the Arctic National Hydrological and Meteorological Services towards Arctic Observations

Raychelle Daniel, *Officer, The Pew Charitable Trusts: Arctic Indigenous Peoples Food Security Perspective on Enhancing an Arctic Observing Framework*

Hajo Eicken, *Director, Professor of Geophysics, University of Alaska, Fairbanks, USA: Building a Community of Practice around Sustained Arctic Observations*

MODERATORS

Sandy Starkweather, *Executive Director - US Arctic Observing Network, Cooperative Institute for Research in Environmental Sciences*

Sessions are organized by partners of the Arctic Circle: associations, institutions, governments, companies, organizations, think tanks, universities, or other bodies.

Lars Otto Reiersen, *Senior Advisor, UiT – The Arctic University of Norway*

16:30 – 17:30

CROSSROADS: ACTION NOW – ARCTIC POLITICS: DEALING WITH THE URGENCY OF CHANGE

Organized by UiT – The Arctic University of Norway; Maine North Atlantic Institute, University of Southern Maine; University of Iceland; Icelandic Ministry of Foreign Affairs

Location: Akrafjall, Harpa Fourth Level

SPEAKERS

Silja Bára Ómarsdóttir, *Associate Professor, International Affairs, Faculty of Political Science, University of Iceland: The Importance of Gender and Equality in Forming the Arctic Future*

Gunhild Hoogensen Gjorv, *Professor, Critical Peace and Conflict Studies, UiT – The Arctic University of Norway: Adapt or Resist – Resilience in Times of Change*

Beate Steinveg, *PhD student: Arctic conferences: Do They Have an Impact?*

Charles Norchi, *Benjamin Thompson Professor of Law Director, Center for Oceans and Coastal Law, University of Maine School of Law:*

Scholars of the Arctic: The Urgency of Actionable Research

Moderator: Glenn Cummings, *PhD, President, University of Southern Maine, US*

16:30 – 17:30

THE WEST NORDIC REGION AND ARCTIC GOVERNANCE: CELEBRATING THE WEST NORDIC STUDIES PROGRAMME

Organized by University of Akureyri

Location: Kaldalón, Harpa Ground Level

SPEAKERS

Astri Dankertsen, *Associate Professor in Sociology, Nord University, Norway: Arctic Studies and Indigenous Perspectives at Nord University: Some Reflections on How to Include Indigenous Perspectives in University Programmes*

Margrét Cela, *Project Manager, Centre for Arctic Studies, University of Iceland: Arctic Issues – Emerging Opportunities and New Concerns?*

Maria Ackrén, *Associate Professor in Political Science, Ilisimatusarfik (University of Greenland): Regional Cooperation in the North Atlantic: The Case of the West-Nordic Council*

Hallbera West, *Programme Director, West Nordic Studies, University of the Faroe Islands: Political Control of the Development in the Arctic region: The Case of the Faroe Islands*

Ragnheiður Elfa Þorsteinsdóttir, *Lecturer, Faculty of Law, University of Akureyri, Iceland: Natural Resource Governance and Review of the Icelandic Constitution*

16:30 – 17:30

CLIMATE JUSTICE AND OUR RIGHT TO BE COLD

Organized by Inuit Circumpolar Council (ICC) and ArKtiKa Company LLC.

Location: Silfurberg A, Harpa Second Level

SPEAKERS

Esau Sinnok, *Senior at University of Alaska Fairbanks studying Alaska Native Studies: How Climate Change Has Affected My Home and State*

Nagruk Harcharek, *Director, Barrow Operations and Vice President of Ukpeavik Inupiat Corporation Lands*

Candice Pedersen, *Enforcement Office, Government of Nunavut: How Nunavut Inuit are Adapting to a Changing Climate using Technology (Siku)*

SATURDAY, OCTOBER 12 – SESSIONS 16:30 - 17:30

16:30 – 17:30 ARCTIC INTERESTS OF THE WEST NORDIC STATES

Organized by the West Nordic Council

Location: Rima B, Harpa Ground Level

SPEAKERS

Vivian Motzfeldt, *President, the West Nordic Council, Member of Inatsisartut, the Greenlandic Parliament*

H.E. Guðlaugur Þór Þórðarson, *Minister for Foreign Affairs, Iceland*

Margrét Cela, *Project Manager, Centre for Arctic Studies, University of Iceland*

PANEL

Vivian Motzfeldt, *President, Greenlandic Parliament; President, West Nordic Council*

Edva Jacobsen, *Member of the West Nordic Council Arctic Group, Member of the Faroese Parliament*

Bryndís Haraldsdóttir, *Member of the West Nordic Council Arctic Group; Former President, West Nordic Council; Member of the Icelandic Parliament*

Moderator: Steen Løgstrup Nielsen, *Advisor, West Nordic Council*

16:30 – 17:30 DIVERSITY IN UNITY/UNITY IN DIVERSITY – THE NORDIC MODELS

Organized by Thematic Network on Geopolitics and Security, in cooperation with CNARC

Location: Flói, Harpa Ground Level

SPEAKERS

Maria Ackrén, *Associate Professor in Political Science, Ilisimatusarfik (University of Greenland)*

Rasmus Gjedssø Bertelsen, *Professor, UiT – The Arctic University of Norway*

Þorsteinn Gunnarsson, *Senior Adviser, The Icelandic Centre for Research (RANNÍS), Chair, Sustaining Arctic Observing Networks (SAON)*

Zhang Pei, *Deputy Director, Centre for Maritime and Polar Region Studies, Shanghai Institutes for International Studies*

Egill Thor Nielsson, *Doctoral Candidate, University of Lapland and University of Iceland; Senior Adviser, The Icelandic Centre for Research (RANNÍS)*

Moderator: Lassi Heininen, *Research Director, INAR at University of Helsinki*

16:30 – 17:30 COLLABORATIVE INNOVATION IN CANADA'S ARCTIC

Organized by Mitacs

Location: Hafnarkot, Harpa Ground Level

SPEAKERS

Ken Coates, *Johnson Shoyama Graduate School of Public Policy, Canada Research Chair in Regional Innovation: The Potential of 21st Century Innovations for the far North – Beneficial or Disruptive?*

Duncan Phillips, *Vice-President Strategic Markets, Mitacs: Mitacs's Role as Facilitator in Indigenous Engagement, Research Funding and Arctic Innovation*

Tasha Carruthers, *Business Development and Northern Relations, CARPA 3D Construction Corporation: A Revolutionary Canadian Innovation in 3-D printing for Arctic housing*

Gloria Song, *Senior Policy Analyst and Manager of International Engagement at Polar Knowledge Canada: The Role of the Canadian High Arctic Research Station (CHARS) Campus in Arctic Research*

Moderator: Duncan Phillips, *Vice-President Strategic Markets, Mitacs*

16:30 – 17:30 AGEING AND SOCIAL RELATIONS

Organized by Ageing in the Arctic (AgeArc)

Location: Viðey, Harpa Second Level

SPEAKERS

Peter Bjerregaard, *Professor, University of Southern Denmark: Determinants of Loneliness among Elderly Inuit in Greenland*

Lill Sverresdatter Larsen, *Associate Professor, UiT – The Arctic University of Norway: Family Caregivers' Experiences with the Norwegian Caregiver Course Model Regarding Dementia Diseases*

Christina Viskum Lytken Larsen, *Senior Researcher, National Institute of Public Health, University of Southern Denmark & University of Greenland: Using Intergenerational Camps to Promote Wellness Among Youth and Older People in the Arctic*

Shelley Cohen Konrad, *Professor, University of New England: Training in Aging Diversity: An Academic/Community Model for Gerontological Education*

Sessions are organized by partners of the Arctic Circle: associations, institutions, governments, companies, organizations, think tanks, universities, or other bodies.

Kamilla Nørtoft, Associate Professor, University of Copenhagen:
Food, Family and Older People's Social Networks in Greenland

 16:30 – 17:30 **NARRATIVES REIMAGINED – EXPLORING OUTLETS FOR CHANGE WITH THE ARCTIC YOUTH NETWORK**

Organized by Arctic Youth Network

Location: Skarðsheiði, Harpa Third Level

SPEAKERS

Megan Dicker, AYN Storyteller, Arctic Youth Network

Kristbjörg Mekkin Helgadóttir, Member of the Icelandic Youth Council for the SDGs, Prime Minister's Office, Iceland

Anna-Katri Kulmala, Entrepreneur, Helsinki Think Company

Moderator: Tasha Elizarde, Vice-Chair, Arctic Youth Network

 16:30 – 17:30 **CREATES: YOUTH ENGAGEMENT IN MENTAL WELLNESS EFFORTS IN THE ARCTIC**

Organized in cooperation with the Government of Canada (Crown-Indigenous Relations and Northern Affairs) and Inuit Circumpolar Council

Location: Esja, Harpa Fifth Level

SPEAKERS

Melody Teddy, Tuktoyaktuk, Northwest Territories, Canada (Inuit/Canada)

Simon Coady, Ottawa, Ontario, Canada (Inuit/Canada)

Byron Nikolai, Toksook Bay, Alaska, USA (Yup'ik/USA)

Moderator: Selma Ford, Health Coordinator, Inuit Circumpolar Council, Canada

 16:30 – 17:30 **ART & THE CREATIVE SECTOR: AMPLIFYING THE WORK OF THE ARCTIC COUNCIL**

Organized by Anchorage Museum

Location: Sæbjörg ICE-SAR Training Vessel – see map

SPEAKERS

Bruce Farnsworth, Founding member of Track & Field, Co-Lead Artist, 8Boxes Project: A Global Overview of Important Examples of Partnerships Between Artists and a Variety of International Organizations as well as Scientific and Policy Initiatives

Bodil Kjelstrup, Curator, Anchorage Museum and Nordnorsk Kunstmuseum: What are we Learning about Art as an Instrument of Circumpolar Change and Innovation? The Accumulating Experience of the SEED Lab Experiment

Shyanne Chulyin Ch'ivaya Beatty, Alaska Native Heritage Center: Art and Culture at the Heart of Pan-Arctic Planning and Engagement

Embla Eir Oddsdóttir, Director, Icelandic Arctic Cooperation Network:

The Lessons and Importance of Arctic Cooperation from a Cross-Sector Perspective. Can the Arctic Council Benefit from Broader Perspectives on Arctic Futures?

John Hirst, Co-Lead Artist, 8Boxes Project: How the 8Boxes Project Provides a Pan-Arctic Opportunity to Connect Northern Artists with the Work of the Arctic Council and its Sub-Bodies to Enhance its Mission

 16:30 – 17:30 **THE CRYOSPHERE CHANGE OVER THE THIRD POLE AND ARCTIC**

Organized by Third Pole Environment, Institute of Tibetan Plateau Research, Chinese Academy of Sciences

Location: Stemma, Harpa Ground Level

Yang Daqing, TPE, China:

Arctic and Third Pole Large River Hydrological Regimes and Changes

Jing Gao, Institute of Tibetan Plateau Research, Chinese Academy of Sciences, China: *The Comparable Observation of Water Stable Isotopes in the Third Pole and Arctic*

Árný Erla Sveinbjörnsdóttir, University of Iceland: *Control of Shallow Convection on Water Isotopes in the North Atlantic*

Hans Christian Steen-Larsen, University of Bergen, Norway: *Using Water Vapor Isotope Observations to Constrain the Hydrological Cycle in Climate Models*

Moderator: Hans Christian Steen-Larsen, University of Bergen, Norway

SATURDAY, OCTOBER 12 – SESSIONS 17:30 - 19:00

17:30 – 19:00 TRAINING ARCTIC INDIGENOUS YOUTH FOR ARCTIC CHANGE 2019

Organized by UArctic EÁLAT Institute & University of the Arctic Institute for Circumpolar Reindeer Husbandry

Location: Hafmarkot, Harpa Ground Level

SPEAKERS TO BE ANNOUNCED

17:30 – 19:00 WAITING FOR RESCUE: ENHANCING SURVIVABILITY IN THE ARCTIC

Organized by National Research Council of Canada and Department of Fisheries and Oceans – Canadian Coast Guard

Location: Flói, Harpa Ground Level

PANEL

Anne Barker, Arctic Program Leader, National Research Council, Government of Canada:

Panel Introduction and Life-Saving Appliances Use in the Arctic

Frigg Jørgensen, Executive Director, AECO – Association of Arctic Expedition Cruise Operators

Peter Garapick, Superintendent – Arctic, Arctic Region, Canadian Coast Guard

Kaviq Kaluraq, Nunavut Arctic College and Acting Chairperson, Nunavut Impact Review Board

Moderator: Anne Barker, Arctic Program Leader, National Research Council of Canada

17:30 – 19:00 LIGHTNING TALKS FROM THE WINNERS OF THE MON PROJET NORDIQUE/MY NORTHERN PROJECT COMPETITION: PHD STUDENTS FROM QUÉBEC AND THE NORDICS

Organized by Institut nordique du Québec, Fonds de recherche du Québec, UArctic

Location: Björtuloft, Harpa Fifth Level

SPEAKERS

Introduction

Mr. Jean-Éric Tremblay, Institut nordique de Québec

Pirkko Pulkkanen, UArctic

Thomas Pacoureaux, PhD student, Earth Sciences, INRS-ETE, Québec, Canada: *How Does the Nature of Organic Matter Influence its Biomineralisation in Arctic Ponds*

Marina Titova, PhD student, Cultural Studies, Northern (Arctic) Federal University (NArFU), Archangelsk, Russia: *The Idea of the Arctic as a Means of Cultural Adaptation to the Far North Environment*

Élisa Gouin, PhD student, Architecture, Université Laval, Québec, Canada: *Community-Academic Partnership in an Indigenous Context: Does it Really Work?*

Martin Mohr Olsen, PhD student, Management Engineering, University of the Faroe Islands and the Technical University of Denmark: *Developing Operational Frameworks Suited for Small Arctic Universities Wishing to Tackle Issues of Sustainability*

Lisa Zoé Auclert, PhD student, Microbiology, Université Laval, Québec, Canada: *Virus Hunting in the Canadian North*

Marta Moreno Ibáñez, PhD student, Earth and Atmospheric Sciences, Université du Québec à Montréal, Québec, Canada: *Small but Full of Energy: Polar Lows are Anything but a Storm in a Teacup!*

Imran Riaz Chohan, PhD student, Education, University of Lapland, Rovaniemi, Finland: *Do we Provide what the Changing World of Work Necessitates? A Longitudinal Mixed Methods Study on Facilitating University Graduate Employability in the Arctic*

Laurent Ferrier, PhD student, Engineering, Université du Québec à Rimouski, Québec, Canada: *Design of a Stand-Alone Telecommunications Station in an Isolated and Constrained Environment*

Marcus Przybyl, PhD student, Northern Cultures and Natural Resource Politics, University of Lapland, Rovaniemi, Finland: *Studies on Sámi Shamanism – With Special Attention to the Phenomenon of Unity in Diversity and its Relationship to Natural Cycles*

Anais Remili, PhD student, Natural Resource Sciences, McGill University, Québec, Canada: *Dual Approach to Understanding Killer Whale Feeding Ecology in the North Atlantic Ocean*

Cecilia de Bernardi, PhD candidate, Multidimensional Tourism Institute, University of Lapland, Rovaniemi, Finland: *The Role(s) of Authenticity and Certifications in Sámi Tourism*

Round table discussion with the participants and vote for the People's Choice Award

- **Jean-Éric Tremblay**, Professor, Biological Oceanography, Laval University Québec, Canada
- **Pirkko Pulkkanen**, Manager, International Projects, UArctic International Secretariat, Rovaniemi, Finland

Sessions are organized by partners of the Arctic Circle: associations, institutions, governments, companies, organizations, think tanks, universities, or other bodies.

17:30 – 19:00

HIGH-TECH PREVENTION AND PREPAREDNESS IN CRITICAL ENVIRONMENTS

Organized by Italian Embassy in Oslo & Italian Ministry of Foreign Affairs

Location: Skarðsheiði, Harpa Third Level

SPEAKERS

Carmine Robustelli, *Special Envoy for the Arctic, Ministry of Foreign Affairs and International Cooperation*

Antonello Provenzale, *Research director, Institute of Geoscience and Earth Resources, CNR:*

Wildfires and Climate: Hints from Mediterranean Europe

Roberta Ivaldi, *Associate Professor, Italian Hydrographic Institute - Italian Navy: Amacosky in the High North: A Support to a Safety Navigation in Critical Environments*

Melania Buffagni, *Environmental Manager, Eni Upstream : Barents Sea-Norway and North Slope-Alaska: Eni Experience in Oil Spill Preparedness and Response*

Stefania Amici, *Researcher, INGV-Italian Institute for Geo-physics and Volcanology: Scientific Observations and Social Implications of a more Fire-Prone Arctic Circle*

Ingrid Hunstad, *Researcher, INGV-Italian Institute for Geo-physics and Volcanology: The European Consortium PECASUS: International Space Weather Monitoring in Support of Arctic Air Navigation*

Alcide Di Sarra, *Research Scientist, ENEA-National Agency for New Technologies, Energy, and Sustainable Economic Development: Properties and Impacts of Canadian and Greenlandic Forest Fire*

Emissions During Summer 2017 as Seen at the Thule High Arctic Atmospheric Observatory

Andrew Kendrick, *Vice President, Vard Marine Inc, Fincantieri Group, Ottawa, Canada: Determining Safe Speeds for Operating in Ice Conditions: Design, Technology and Operational Issues Associated with Navigating Safely and Efficiently in All Ice Conditions*

17:30 – 19:00

GREEN ENERGY SOLUTIONS IN THE WEST NORDIC COUNTRIES – THE WAY FORWARD

Organized by the Ministries of Foreign Affairs in Greenland, Iceland and the Faroe Islands

Location: Ríma B, Harpa Ground Level

SPEAKERS

H.E. Jess Svane, *Minister of Industry, Energy and Research, Government of Greenland*

H.E. Guðlaugur Þór Þórðarson, *Minister for Foreign Affairs, Iceland*

Jenis av Rana, *Minister of Foreign Affairs and Education, Faroe Islands*

Michael Pedersen, *Director, Nukissiorfiit - National Supplier of Energy in Greenland*

Guðni A. Jóhannesson, *Professor, PhD, Director General, Orkustofnun/The Icelandic National Energy Authority*

Helma Maria Tróndheim, *Industrial PhD student, The Power Company SEV, Aalborg University and the University of the Faroe Islands*

17:30 – 19:00

CAPACITY PLANNING FOR TOURISM IN THE ARCTIC – BALANCING ECONOMIC, SOCIAL, AND ENVIRONMENTAL PRIORITIES

Organised by EFLA Consulting Engineers and Icelandic Tourism Research Center

Location: Silfurberg B, Harpa Second Level

SPEAKERS

Oskar Johannesson, *Director, Icelandic Tourism Task Force*

Julia Pars, *Managing Director, Visit Greenland*

Høgni Reistrup, *Advisor to the Mayor, Torshavn Municipality, Faroe Islands*

Tracy Michaud, *Assistant Professor and Chair, Tourism & Hospitality Program, University of Southern Maine; Lecturer, Masters Of Business Tourism Concentration, Reykjavik University*

Ray Salter, *Consultant, TRC Tourism Consulting & Chairman, Youth Hostel Association NZ, Destination Great Lake Taupo, New Zealand*

MODERATORS

Olafur Arnason, *Environmental Planning Program Director, EFLA Consulting Engineers*

Nathan Reigner, *Principal & Consulting Social Scientist, Recreation Tourism Science & Research Affiliate, Icelandic Tourism Research Center*

SATURDAY, OCTOBER 12 – SESSIONS 17:30 - 19:00

17:30 – 19:00 SAFETY AT SEA IN THE ARCTIC

Organized by the Ministry for Foreign Affairs of Iceland and the Icelandic Arctic Cooperation Network

Location: Esja, Harpa Fifth Level

SPEAKERS

Sverrir Konráðsson, *Maritime Specialist – Legal Coordination and Translations, Coordination and Facilitation Division, Icelandic Transport Authority:*

Enhancing Maritime Safety in the Arctic to Save Lives

CDRE Ásgrímur L. Ásgrímsson, *Chief of Operations, Icelandic Coast Guard:*
Icelandic Coast Guard and Safety at Sea in the Entrance to the Arctic

Jens Peter Holst-Andersen, *Chair Emergency Prevention, Preparedness and Response (EPPR), Arctic Council, Danish Ministry of Defence:*
Emergencies – Prevention, Preparedness and Response

Soffia Guðmundsdóttir, *Executive Secretary, Protection of Arctic Marine Environment (PAME)*

Eydis Lindal Finnbogadóttir, *Acting Director General National Land Survey of Iceland:*
Enabling Access to Arctic Spatial Data - Arctic SDI Cooperation

Moderator: Þórunn J. Hafstein, *Secretary General of the National Security Council, Iceland, Prime Minister's Office*

17:30 – 19:00 VISITATIONS: POLAR BEARS OUT OF PLACE

Organized by Iceland University of the Arts

Location: Kaldalón, Harpa Ground Level

SPEAKERS

Bryndís Snæbjörnsdóttir, *PhD, Artist & Professor in Fine Art, Iceland University of the Arts*

Mark Wilson, *PhD, Artist and Professor in Fine Art, University of Cumbria*

Craig Perham, *Wildlife Biologist, U.S. Department of Interior Bureau of Ocean Energy Management, Alaska*

Aaron Leggett, *Indigenous Curator of History & Culture, Anchorage Museum:*
The Cultural History of Polar Bear Narratives in the North Atlantic

Kristinn Schram, *PhD, Associate Professor in Folklore, University of Iceland*

Moderator: Julie Decker, *PhD, Director, Anchorage Museum*

17:30 – 19:00 MILITARY SECURITY AND THE ARCTIC COUNCIL

Organized by Thematic Network on Geopolitics and Security

Location: Silfurberg A, Harpa Second Level

SPEAKERS

Lassi Heininen, *Research Director, INAR at University of Helsinki: Military Presence in the Arctic – Cold War Legacy, Great Power Rivalry or for National Defense – What about Disarmament?*

Benjamin Schaller, *PhD candidate/Research Fellow, Centre for Peace Studies, UiT – The Arctic University of Norway: Trust and Distrust – Defence and Security Relations in a Changing Arctic Security Environment*

Sandra Maria Rodrigues Balão, *Associate Professor, Institute of Social and Political Sciences, Universidade de Lisboa: Security Challenges from the North – A Critical Reading of US policies for the Arctic Region*

Steven Lamy, *Professor, University of Southern California: Trump Administration's Arctic Policy: Make the Arctic Ours Again*

Rasmus Gjedssø Bertelsen, *Professor, UiT – The Arctic University of Norway: Space, Polar Regions and International Security: The Arctic in Global Socio-Technical Systems*

Moderator: Heather Exner-Pirot, *Managing Editor, University of Saskatchewan & The Arctic Yearbook*

17:30 – 19:00 WE NEED YOUR WORKFORCE!

Organized by High North Atlantic Business Alliance and Troms County Council

Location: Ríma A, Harpa Ground Level

Sessions are organized by partners of the Arctic Circle: associations, institutions, governments, companies, organizations, think tanks, universities, or other bodies.

SPEAKERS

Sigrid Ina Simonsen, *Councillor Culture and Industry Business, Troms County Council: Key Numbers on Demography and Workforce in Arctic and Cold Coast Regions of the North Atlantic*

Kirsti Methi, Project Manager, *City of Tromsø: Tromsø, Norway: 2,000 New Private Sector Jobs in Five Years*

Timo Rautajoki, *President and CEO, Lapland Chamber of Commerce, Finland: Lapland, Finland: Growth in Tourism and Mining, How to Keep the Immigrants? How to Avoid Fly-in-Fly-out Communities?*

Hallfríður Þórarinsdóttir, *CEO, Mirra SLF, Iceland: Foreign Workforce in Icelandic Tourism Industry*

Jon Nass, *CEO, Maine Port Authority: Transportation Matters – Successfully Promoting Careers in Logistics, Maine Port Authority*

Morven Cameron, *Head of Universities, Education and Skills, Highlands and Islands Enterprise, Scotland: International Workforce, Solution or Challenge for Northern Sparsely Populated Areas?*

Moderator: Nils Arne Johnsen, *Director Regional Business Development, Troms County Council*



17:30 – 19:00

ARCTIC SCIENCE AND POLITICAL WILL: FROM BERLIN TO ACTION

Organized by UiT – The Arctic University of Norway

Location: Akrafjall, Harpa Fourth Level

SPEAKERS

Marie-Anne Coninx, *Ambassador at Large for Arctic Affairs, European Union*

Yuri Sychev, *Director Russia State Oceanographic Institute and Polar Foundation*

Yuji Kodama, *Executive Director, Office of Japan Consortium for Arctic Environmental Research, Arctic Environmental Research Center (NIPR)*

Þorsteinn Gunnarsson, *Senior Adviser, The Icelandic Centre for Research (RANNÍS), Chair, Sustaining Arctic Observing Networks (SAON)*

Anne Husebekk, *Rector, UiT – The Arctic University of Norway, Chair, Fram Centre Advisory Board*

Jan Rene Larsen, *AMAP, SAON Secretariat*

Sandy Starkweather, *Executive Director - US Arctic Observing Network, Cooperative Institute for Research in Environmental Sciences*
MODERATORS

Lars Otto Reiersen, *Senior Advisor, UiT – The Arctic University of Norway*

Andrea Tilche, *Senior Advisor and Adjunct Professor, UiT – The Arctic University of Norway*



17:30 – 19:00

TOOLS AND TASKS FOR THE ARCTIC SCIENCE AGREEMENT: INTERNATIONAL PERSPECTIVES

Organized by the Ministry of Higher Education and Science of Denmark

Location: Viðey, Harpa Second Level

SPEAKERS

Fran Ulmer, *Chair, United States Arctic Research Commission: The Arctic Science Agreement: History, Process and Moving Forward*

Hans Müller Pedersen, *Director for the Danish Agency for Science and Higher Education: The Greenlandic research hub: A New Platform for International Collaboration*

Marianne Thyrring, *Director, the Danish Meteorological Institute: Cross Cutting Collaboration in International Organisations*

PANEL

Marianne Thyrring, *Director, the Danish Meteorological Institute*
Lil Rastad Bjørst, *Associate Professor, Department of Culture and Global Studies, Aalborg University, Denmark: Scientific Cooperation and the Many Academic Disciplines, Cultures and Needs in Arctic Research*

Lars Kullerud, *President, UArctic*



Photo by Jacki Cleveland

INUIT NIGHT

19:00-20:30, SATURDAY, OCTOBER 12TH

RECEPTION

Hosted by the Inuit Circumpolar Council

Location: Norðurljós Hall, Harpa Second Level

Open to All Assembly Participants

WELCOME: Dalee Sambo Dorough, Chair, Inuit Circumpolar Council

REMARKS: Inunnguaq Hegelund, Chef, Kalalliit Nunaat

Experience the culture of original inhabitants of the Arctic - INUIT NUNAAT. Taste Inuit foods from Kalalliit Nunaat

PERFORMANCES:

- Simon Lyngge, Musician, Kalalliit Nunaat
- Iva and Tooma Laisa, Canada
- Olga Letykai Atsynga and daughter, Alissa Csonka, Chukotka
- Byron Nicholai, I Sing, You Dance, Yup'ik, Alaska



SATURDAY, OCTOBER 12 – SPECIAL EVENTS

19:00 – 20:30 **INUIT NIGHT**
RECEPTION FOR ALL ASSEMBLY
ATTENDEES

Hosted by Inuit Circumpolar Council

Location: Norðurljós Hall, Harpa Second Level

PERFORMANCES

Simon Lynge, *musician, Kalaallit Nunaat*

Iva and Tooma Laisa, *Canada*

Olga Letykai Atsynga and Alissa Csonka, *Chukotka*

Byron Nicholai, *I Sing, You Dance, Yup'ik, Alaska*

20:00 – 21:30 **ARCTIC FILM SERIES**
CANADA C3: COAST TO COAST TO COAST

Organized by the Students on Ice Foundation

Location: Kaldalón, Harpa Ground Floor

INTRODUCTION AND Q&A

Emma Arsenault, *Polar Knowledge Canada and SOI alumna*

Geoff Green, *Founder of Students on Ice Foundation*

Ivalu Barlach Christensen, *Greenlandic Master's Student in Astrophysics, Lund University; Intern, Center for Astrophysics Harvard & Smithsonian/Greenland Telescope Project*

Whitney Lackenbauer, *Canada Research Chair (Tier 1) in the Study of the Canadian North and Professor in the School for the Study of Canada, Trent University Canada*

20:00 – 24:00 **ARCTIC CIRCLE BAR OPEN**

Location: Outside Kolabrautin, Harpa Fourth Level



ARCTIC FILM SERIES

Location: Kaldalón, Harpa Ground Level



CANADA C3

An epic documentary of breathtaking footage and inspiring stories

Saturday, October 12th

20:00 - 21:30

Open to all Assembly participants

Follow the Arctic Circle on Social Media!



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[@_Arctic_Circle](https://twitter.com/_Arctic_Circle)



[/TheArcticCircle](https://www.youtube.com/channel/UC...)



YAMALO-NENETS NOMADIC TRADITION

Exhibition, Workshop and Chum

Location: Eyri, Harpa Second Floor

ORGANIZED BY:

The Government of Yamalo-Nenets
Autonomous Okrug, Russia



- Wood and bone carving workshop by Inna and Viktor ladne
- Performance of traditional Nenets songs during selected coffee breaks by Tatiana Lar and Elena Ufimt





ARCTIC CIRCLE TOURS: I - V THEMATIC EXCURSIONS AT THE ARCTIC CIRCLE ASSEMBLY

The Arctic Circle is now offering Arctic Circle Tours on Sunday, October 13th to locations that provide new insight into fundamental challenges for the Arctic and our Planet. Iceland, its expertise, and achievements serve as the foundation for each tour.

Arctic Circle Tours will provide opportunities to learn about the sustainable use of ocean resources through new technologies, clean energy transformations, the science of retreating glaciers retreating glaciers - climate change, extreme-weather infrastructure, as well as some of the most famous tourist sites in Iceland, such as the Golden Circle and the Blue Lagoon.


For more information and to register, go to: www.arcticcircle.org



During the Tours, participants will be able to interact with Icelandic scientists, experts and business leaders, while enjoying extraordinary experiences that shed light on of global and Arctic issues. Some of the Tours are organized in collaboration with selected Strategic Partners of the Arctic Circle.

The Tours will start in the morning and participants who wish to arrive at Keflavik International Airport in the early afternoon will be able to do so for most of the tours.

Participants must register specially for the Tours on the Arctic Circle registration site. Some excursion elements are subject to minor changes, which will be announced beforehand. Tours may be cancelled if they do not reach a minimum participation threshold.



TOUR I:
**21ST-CENTURY SUSTAINABLE
FISHERIES AND OCEAN
TECHNOLOGIES:**
BIOTECH - IT - 100% USE

Sunday, October 13th

09:00 - 17:00

Optional 14:00 drop-off at Keflavík International Airport

Pickup Location: Harpa Main Entrance

EXCURSION ELEMENTS

- Presentations from leading Icelandic-global companies at the cutting edge of modern ocean and fish processing technologies:
 - Kerecis
 - Genís
 - Codland
 - BRIM
 - Marel

Location: Sjávarklasinn, the Icelandic Ocean Cluster House, Reykjavík, Marel headquarters and Brim headquarters

- Visit to the fishing town of Grindavík, including the Saltfish Museum
- Scenic drive through Reykjanes Geopark, a UNESCO Global Geopark

TOUR II: CLEAN ENERGY REVOLUTION - HOW TO FIGHT CLIMATE CHANGE



Sunday, October 13th
08:30 – 17:00

Optional 14:00 drop-off at Keflavík International Airport
Pickup Location: Harpa Main Entrance

EXCURSION ELEMENTS

- Visit to Hellisheiði Geothermal Power Plant, operated by ON Power, a world leader in the utilization of geothermal energy
- Presentation: CarbFix, the innovative international carbon capture cooperation
- Presentation: Arctic Green Energy, the cooperation between Iceland and China in urban geothermal heating; Breathing Cities
- Presentation by Verkís; a leading geothermal and power consulting and engineering company
- Drive through unique scenery to the Blue Lagoon; voted by National Geographic as one of 25 Wonders of the World
- Three-course lunch at the Blue Lagoon
- Bathing at the Blue Lagoon

TOUR III: GLACIERS AND CLIMATE CHANGE



Sunday, October 13th

08:30 – 18:30

Pickup Location: Harpa Main Entrance

EXCURSION ELEMENTS

- Drive through the Southwest
- Visit to the thermal spring Deildartunguhver
- Visit to Reykholt, an important site in Iceland's saga literature heritage
- Visit to the base of the former glacier Ok
 - Presentation on the Memorial for the glacier Ok.
- Drive to the glacial base Húsafell
 - Presentation on Iceland's disappearing glaciers
 - Presentation on Langjökull glacier
- Lunch in Húsafell
- Transport to Langjökull glacier in special mountain trucks
- Entering the tunnel in Langjökull glacier
- Presentations from leading glaciology researchers inside Langjökull glacier

Participants are provided with overshoes, raincoats and insulated overalls



TOUR IV: INFRASTRUCTURE IN A WORLD OF EXTREME WEATHER

Sunday, October 13th

09:00 – 17:00

Pickup Location: Harpa Main Entrance

Optional 14:00 drop-off at Keflavík International Airport

EXCURSION ELEMENTS

- Visit to the headquarters of Verkís, a leading engineering company. Presentations on avalanche protection and infrastructural challenges in the Arctic, with a focus on Greenland
- Visit to EFLA Consulting Engineers. Presentation on Arctic infrastructure projects
- Drive to the fishing town Sandgerði and lunch
- Behind-the-scenes tour of Keflavík International Airport, hosted by ISAVIA, the Icelandic Airport Authority
- Showcase of aircraft testing facilities for extreme weather conditions
- Scenic drive through Reykjanes Geopark, a UNESCO Global Geopark



TOUR V: GOLDEN CIRCLE AND FRIDHEIMAR

Sunday, October 13th

08:30 – 18:00

Pickup Location: Harpa Main Entrance

EXCURSION ELEMENTS

- Drive to Þingvellir National Park, the medieval birthplace of Icelandic democracy; where the American and Eurasian tectonic plates meet
- Visit to the Friðheimar, an award-winning geothermal greenhouse tomato farm
- Presentation about geothermal heating in Icelandic horticulture
- Lunch inside the greenhouse at Friðheimar farm
- Visit to Gullfoss waterfall, the most powerful waterfall in Europe
- Visit to the world-famous Geysir hot spring area



SHARE YOUR THOUGHTS
#ArcticCircle2019

Picture by RAX



Save the dates

2020 Assembly October 8 - October 11

2021 Assembly October 14 - October 17

2022 Assembly October 13 - October 16

In Harpa, Reykjavik