



## **2014 ASSEMBLY PROGRAM New Version**

### **THURSDAY, OCTOBER 30**

**15:00–18:00 REGISTRATION**

**Location: Harpa**

**18:00–20:00 WELCOME RECEPTION**

**Location: Reykjavik Art Museum, in the Harbour House**

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### **FRIDAY, OCTOBER 31 – PLENARY SESSIONS**

**06:30–08:15 BREAKFAST AT HOTELS**

**07:30–17:00 REGISTRATION**

**Location: Harpa**

**08:00–08:30 WATER SOCIAL**

**Location: Harpa, Second Level.**

**08:30–10:30 PLENARY SESSION**

**Location: Silfurberg, Second Level, Harpa**

● **WELCOME REMARKS**

Ólafur Ragnar Grímsson, *President of Iceland*.

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● **OPENING SESSION I**

Sigmundur Davíð Gunnlaugsson, *Prime Minister of Iceland*.

Sauli Niinistö, *President of Finland*.

● **OPENING SESSION II**

Angela Merkel, *Chancellor of the Federal Republic of Germany*.

Sam Tan Chin Siong, *Minister of State, Singapore*.

José Ángel Gurría, *Secretary General of OECD*.

● **OPENING SESSION III**

Vincent Rigby, *Chair of the Senior Arctic Officials and Assistant Deputy Minister of Foreign Affairs, Trade and Development, Canada*.

● **OPENING SESSION IV**

Lisa Murkowski, *United States Senator*.

Admiral Robert J. Papp, *U.S. Special Representative for the Arctic and former Commandant of the U.S. Coast Guard*.

CHAIR: Alice Rogoff, *Publisher, Alaska Dispatch News*.

**10:30–11:15 PLENARY SESSION**

● **THE ARCTIC IN 2035**

**PRESENTATION OF THE POLARISK REPORT**

**SPEAKER:**

Mikå Mered, *CEO of Polarisk Analytics*.

**PANEL DISCUSSION:**

Lawson Brigham, *Professor at the University of Alaska, Fairbanks*.

Laurence C. Smith, *Author of The World in 2050, Professor, UCLA*.

CHAIR: Heiðar Már Guðjónsson, *Chairman of Eykon Energy*.

**11:15-12:00 PLENARY SESSION**

● **THE ARCTIC FROM SPACE**

**SPEAKERS:**

Barbara J. Ryan, *Secretariat Director, Group on Earth Observations.*

Robbie Schingler, *Co-Founder & President, Planet Labs.*

Andrew Zolli, *Strategic Advisor, Planet Labs.*

**CHAIR:** Dagfinnur Sveinbjörnsson, *CEO of the Arctic Circle.*

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**12:00–12:45 NETWORKING LUNCH**

**Location:** Harpa

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**12:45–13:45 PLENARY SESSION**

**Location:** Silfurberg, Second Level, Harpa

● **COUNTRY SESSION: FINLAND**

**OPENING:**

Sauli Niinistö, *President of Finland.*

**SPEAKERS:**

Tero Vauraste, *CEO, Arctia Shipping Ltd.*

Petteri Taalas, *Director-General of the Finnish Meteorological Institute.*

Pertti Korhonen, *CEO, Outotec Ltd.*

**MODERATOR:**

Hannu Halinen, *Ambassador of Arctic Affairs, Ministry of Foreign Affairs of Finland.*

### 13:45-15:15 PLENARY SESSION

Location: Silfurberg, Second Level, Harpa

#### ● COUNTRY SESSION: BRITAIN IN THE ARCTIC

##### OPENING:

The Rt. Hon. Philip Hammond, *MP, Foreign Secretary, United Kingdom.*

##### SPEAKERS:

Mark Prisk, *MP, Prime Minister's Investment Envoy to Baltic and Nordic Nations.*

Jane Francis, *Professor, Director, British Antarctic Survey.*

Terry Callaghan, *Distinguished Research Professor at the Royal Swedish Academy of Sciences, Sheffield University, and Tomsk State University.*

Michael Macrander, *Alaska Science Team Lead, Shell.*

Charles Hendry, *MP, House of Commons.*

Jeffrey Mazo, *Senior Fellow, International Institute for Strategic Studies.*

Lord Addington, *House of Lords Select Committee on the Arctic.*

##### CHAIRS:

James Gray, *MP, All Party Parliamentary Group for the Arctic, United Kingdom.*

HE Stuart Gill, *British Ambassador to Iceland.*

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### 15:15-15:30 NETWORKING COFFEE BREAK

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### 15:30-16:15 PLENARY SESSIONS

Location: Silfurberg, Second Level, Harpa

#### ● THE WEST NORDIC ARCTIC COOPERATION

PARLIAMENTARIAN-DEMOCRATIC DIMENSIONS IN ARCTIC POLICY

##### OPENING SPEECH:

Bill Justinussen, *Chair of the West Nordic Council and MP, Faroe Islands.*

##### PANEL DISCUSSION:

Einar K. Guðfinnsson, *President of the Parliament, Iceland.*

Josef Motzfeldt, *President of the Parliament, Greenland, 2009-2013.*

Páll á Reynatúgvu, *Vice-President of the Parliament, Faroe Islands.*

Thordur Thorarinsson, *Former Secretary-General 2005-2014, West Nordic Council.*

CHAIR: Unnur Brá Konráðsdóttir, *Vice-Chair of the West Nordic Council and MP, Iceland.*

**16:15-16:45    REPORT SESSION 1**

CHAIR: Alexander Borodin, *International Marketing Strategist, MG3, Ltd*

**REPORT I: World Economic Forum Project**

SPEAKER: Laurence C. Smith, *Professor, UCLA.*

**REPORT II: The Arctic Yearbook**

SPEAKER: Lassi Heininen, *Professor, University of Lapland, Finland.*

**REPORT III: The High Seas**

SPEAKER: Paul Arthur Berkman, *Professor, University of California, Santa Barbara.*

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**16:45-17:00    NETWORKING COFFEE BREAK**

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## FRIDAY BREAKOUT SESSIONS

The Breakout Sessions are organized by the respective partners of the Arctic Circle, organizations, institutions, companies, think tanks, universities, or other bodies.

### 17:00-20:00 BREAKOUT SESSIONS

#### 17:00-20:00 BREAKOUT SESSION No. 1: BUSINESS ACROSS THE ARCTIC

**Location: Silfurberg A, Second Level, Harpa**

##### **SESSION 1A: MAINE: U.S. PARTNER IN ARCTIC DEVELOPMENT, CLIMATE SCIENCE AND SECURITY**

Organized by The Office of the Governor of Maine

##### **SPEAKERS:**

Paul Mayewski, *Director, University of Maine Climate Change Institute.*

Patrick Arnold, *Director of Operations and Business Development, Maine Port Authority.*

Wilfred Richard, *Author, "Maine to Greenland."*

CHAIR: Dana Eidsness, *Director, Maine North Atlantic Development Office.*

##### **SESSION 1B: ENERGY**

##### **SPEAKERS:**

Eysteinn Einarsson, *Head of Hydropower and Wind Energy, EFLA Consulting Engineers*

Stefán Kári Sveinbjörnsson, *Wind Energy Specialist, EFLA Consulting Engineers:* The possible utilization of wind energy in isolated systems in northern areas.

Charles Hendry, *MP, former Minister of State for Energy and Climate Change, United Kingdom:* Co-operation on low carbon electricity between the Arctic and the EU.

Damien Degeorges, *PhD, Consultant, Degeorges Consulting ehf:* Investing in Greenland: challenges ahead.

Pierre Arcand, *Minister of Energy and Natural Resources and Minister responsible for the Plan Nord, Québec.*

##### **SESSION 1C: BUSINESS VIEW FROM SVALBARD**

**SPEAKER:** Frank Jacobsen, *Director, LNS Spitsbergen.*

**SESSION 1D: ARCTIC OPPORTUNITIES WITHIN THE CHINA-  
ICELAND FREE TRADE AGREEMENT.**

Organized by Arctic Services

**SPEAKERS:**

Þórður Hilmarsson, *Director of Investments, Promote Iceland.*

Þorvaldur Lúðvík Sigurjónsson, *Eyjafjörður Business Development Agency.*

CHAIR: Össur Skarphéðinsson, *MP, Foreign Minister of Iceland 2009-2013.*

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**17:00-19:00 BREAKOUT SESSION No. 2: AN UPDATE ON THE WORLD ECONOMIC  
FORUM'S GLOBAL AGENDA COUNCIL ON THE ARCTIC**

**Location: Silfurberg B, Second Level, Harpa**

Organized by the World Economic Forum's Global Agenda Council on the Arctic

**SPEAKERS:**

Jan-Gunnar Winther, *Director, Norwegian Polar Institute.*

Theodore Roosevelt IV, *Managing Director & Chairman of Barclays Cleantech Initiative.*

Scott Miner, *Global Chief Investment Officer, Guggenheim Partners.*

Mead Treadwell, *Lieutenant Governor of Alaska.*

Felix Tschudi, *Chairman, the Centre for High North Logistics.*

Lawson Brigham, *Distinguished Professor, University of Alaska Fairbanks.*

**CHAIR:**

Laurence C. Smith, *Professor, University of California, Los Angeles; Vice-Chair, Global Agenda Council on the Arctic, World Economic Forum.*

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**17:00-20:00 BREAKOUT SESSION No. 3: AT THE EDGE: THE FUTURE OF ARCTIC  
COASTLINES**

**Location: Víkin Maritime Museum**

Organized by the Arctic NGO Forum

**SPEAKERS:**

Paul Holthus, *CEO, World Ocean Council.*

Jan Gunnar Winther, *Director, Norwegian Polar Institute.*

Ella Anagick, *Board Member, Bering Sea Alliance.*

Melanie Smith, *Director of Conservation Science, Audubon Alaska.*

Frank Hoffman, *Technical Officer, Biodiversity and Corporate Relations, Wetlands International.*

Paul Berkman, *Researcher, Program on Governance for Sustainable Development, University of California, Santa Barbara.*

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**17:00-19:00 BREAKOUT SESSION No. 4: ARCTIC IDENTITIES: FINDING BELONGING AND ASSERTING DIFFERENCE IN THE CIRCUMPOLAR NORTH**

**Location: Stemma, First Level, Harpa**

Organized by University of Durham, University of Tromsø – the Arctic University of Norway, University of Leeds

**SPEAKERS:**

Britt Kramvig, *Professor, Department for Tourism and Northern Studies, University of Tromsø – the Arctic University of Norway.*

Berit Kristoffersen, *Research Fellow, Department of Sociology, Political Science and Social Planning, University of Tromsø – the Arctic University of Norway: Post-petroleum security in Lofoten: Why identity matters.*

Ingrid Medby, *Doctoral Candidate, Department of Geography, Durham University: Arctic state ≠ Arctic nation? Arctic national identity among young Norwegians.*

Marianne Rasmussen, *Director, The University of Iceland's Research Center in Húsavík: Whale-watching in the Arctic: case studies from Iceland.*

Philip Steinberg, *Professor of Political Geography, Durham University: Squaring the Arctic Circle: Borders, corners, and rough edges in the Polar Mediterranean.*

**CHAIRS:**

Philip Steinberg, *Professor of Political Geography, Durham University.*

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**17:00-18:00 BREAKOUT SESSION No. 5: U.S. ARCTIC RESEARCH COMMISSION: RESPONDING TO OIL SPILLS IN THE U.S. ARCTIC MARINE ENVIRONMENT.**

**Location: Eyri, Second Level, Harpa**

Organized by the U.S. Arctic Research Commission

**SPEAKER:**

Mark D. Myers, *Vice Chancellor for Research, University of Alaska Fairbanks.*

**CHAIR:** John Farrell, *Executive Director, U.S. Arctic Research Commission.*

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**17:00-18:30 BREAKOUT SESSION No. 6: THE NEXUS OF THE ENVIRONMENT, RESOURCE EXTRACTION, GLOBAL ECONOMY, (STATE) SOVEREIGNTY, AND GLOBAL GOVERNANCE – AN ARCTIC (SECURITY) PARADOX.**

**Location: Háaloft, Sixth Level, Harpa**

Organized by the Thematic Network on Geopolitics and Security and the Northern Research Forum

**SPEAKERS:**

Matthias Finger, *Professor, École Polytechnique Fédérale de Lausanne, Switzerland*: Too scary to be true or the denial of the Global Arctic.

Auður H. Ingólfssdóttir, *Assistant Professor, Bifröst University, Iceland*: Climate change and offshore oil and gas drilling in the Arctic: Tension between environmental and economic security.

Gunhild Hoogesén Gjörv, *Professor, University of Tromsø – the Arctic University of Norway*: Do Values and Politics Trump Science? The Dynamics Between Energy, Environment and Economy Security in the Arctic.

Heather N. Nicol, *Professor, Trent University*: Neoliberal discourses and their influence on economic development, state sovereignty and bordering in the Canadian Arctic.

Steven Lamy, *Professor and Vice Dean, and Reid Lidow, Gates Cambridge Scholar, University of Southern California*: Governing the Arctic Region: Evaluating the ASEAN analogue and lessons from other regional treaties.

**CHAIR:**

Lassi Heininen, *Professor, University of Lapland*.

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**17:00-18:30 BREAKOUT SESSION No. 7: POLAR LAW: ARCTIC SEABED RESOURCES**  
**Location: Glerstofa vestur, Second Floor, Þjóðmenningarhúsið (National Center for Cultural Heritage)**

Organized by the University of Akureyri

**SPEAKERS:**

Nigel Bankes, *Professor, University of Calgary School of Law*: The treatment of transboundary hydrocarbon deposits in the maritime delimitation agreements of Arctic states.

Ingvild Jakobsen, *Associate Professor, University of Tromsø – the Arctic University of Norway*: Marine Pollution from Seabed Activities.

Rachael Lorna Johnstone, *Professor, Head of Faculty of Law, University of Akureyri*: Indigenous Rights and Offshore Hydrocarbon Developments in the Arctic.

Bjarni Már Magnússon, *Assistant Professor, Reykjavik University*: Can Zimbabwe bring Canada before an arbitral tribunal for establishing the outer limits of the extended continental shelf in violation of UNCLOS?

**CHAIR:**

Eyjólfur Guðmundsson, *Rector, University of Akureyri*.

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**17:00-18:30 BREAKOUT SESSION No. 8: MAINSTREAMING ARCTIC SUSTAINABILITY**

**Location: Ríma B, First Level, Harpa**

Organized by the Conservation of Arctic Flora and Fauna (CAFF) and the Protection of the Arctic Marine Environment (PAME), working groups of the Arctic Council.

**SPEAKERS:**

Tom Barry, *Executive Secretary, CAFF.*

Soffía Guðmundsdóttir, *Executive Secretary, PAME.*

Robert Blaauw, *Arctic Theme and Policy Manager, Royal Dutch Shell.*

Ilja Leo Lang, *Office Manager, Association of Arctic Cruise Operators (AECO).*

Ross Hamilton, *Director of Environment and Climate Change (ICMM).*

CHAIR: Gunn Britt Retter, *Head of Arctic and Environmental Unit, Saami Council.*

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**17:00-18:30 BREAKOUT SESSION No. 9: ICE NAVIGATOR TRAINING AND EXPERIENCE: THE NAUTICAL INSTITUTE'S WAY AHEAD**

**Location: Skólaskipið Sæbjörg (ICE-SAR Training Vessel)**

Organized by Martech Polar Consulting

**SPEAKERS :**

Captain David Snider, *Senior Vice President, The Nautical Institute.*

Captain Victor Gronmyr, *Ice Navigator Working Group, The Nautical Institute.*

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**17:00-18:30 BREAKOUT SESSION No. 10: YOUTH IN THE ARCTIC: CONNECTING THE LEADERS OF TOMORROW AND TODAY**

**Location: Norðurljós, Second Level, Harpa**

Organized by Youth Arctic Coalition, Barents Regional Youth Council, The Atlantic Council, Arctic Climate Change Emerging Leaders (ACCEL), Ecologic Institute and Reykjavík University.

**SPEAKER:** Admiral Robert J. Papp, *U.S. Special Representative for the Arctic and former Commandant of the U.S. Coast Guard.*

**TABLE LEADERS:**

Sarah Kezia Michelle Sternbergh, *Student Leader, the Future Arctic Energy Network, MSc student, Iceland School of Energy at Reykjavík University.*

Gerrit Wesselink, *Associate Executive Director, Arctic Youth Coalition.*

Dominique Souris, *3B Honours Environment and Resource Studies, Co-op, University of Waterloo.*

Dayanita Ramesh, *Fellow, Arctic Climate Change Emerging Leaders Program, Atlantic Council.*

Eleonora Milazzo, *Fellow, Arctic Climate Change Emerging Leaders Program, Ecologic Institute.*

Sunna Kokkonen, *Chairperson, Barents Regional Youth Council.*

**Q&A MODERATOR:**

Edvard Glucksman, *Associate Research Fellow, Environment and Sustainability Institute, University of Exeter.*

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**17:00-18:30 BREAKOUT SESSION No. 11: LIVING CONDITIONS AND THE USE OF HEALTHCARE IN THE ARCTIC**

**Location: Vísa, First Level, Harpa**

Organized by the University of Akureyri, Iceland

**SPEAKERS:**

Hildigunnur Svavarsdóttir, *Assistant Professor, Northern Periphery Program, University of Akureyri:* How can we affect recruitment and retention of health care professionals in the rural areas of the north?

Sigfríður Inga Karlsdóttir, *Associate Professor, Chair of Nursing, University of Akureyri:* Childbirth in the north.

Kristín Guðmundsdóttir, *Lektor, University of Akureyri:* Effectiveness of Telehealth in Behavioral Consultation with Rural Families in Iceland.

Þorbjörg Jónsdóttir, *Assistant Professor, University of Akureyri:* Chronic pain and health care utilization.

**CHAIR:** Árun K Sigurðardóttir, *Professor, Dean of School of Health Sciences, University of Akureyri.*

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**17:00-18:30 BREAKOUT SESSION No. 12: OCEANA, ICELANDIC CENTER OF EXCELLENCE: CUTTING EMISSIONS IN ARCTIC WATERS**

**Location: Ríma A, First Level, Harpa**

Organized by Landsbankinn

**SPEAKERS:**

Ellý Katrín Guðmundsdóttir, *City Secretary, City of Reykjavík.*

Sigurður Ingi Jóhannsson, *Minister for the Environment and Natural Resources, Iceland.*

Dagur B. Eggertsson, *Mayor of Reykjavík.*

Jón Ágúst Þorsteinsson, *Chairman of Marorka and ARK Technology.*

Ágústa Loftsdóttir, *Scientist, Natural Energy Authority.*

Steinþór Pálsson, *CEO of Landsbankinn.*

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**17:00-19:00 BREAKOUT SESSION No. 13: NORTH MEETS EAST AT THE ARCTIC CIRCLE: CHINA – NORDIC ARCTIC COOPERATION**

**Location: Þjóðmenningarhúsið Main Hall (National Center for Cultural Heritage)**

Organized by the Icelandic Center for Research (RANNIS) and the China-Nordic Arctic Research Center (CNARC)

**OPENING:**

Chen Yue, *Deputy Director General, Department of International Cooperation, State Oceanic Administration of China.*

**SPEAKERS:**

Deng Beixi, *Executive Secretary, CNARC:* Introduction to the China-Nordic Arctic Research Centre..

Thorsteinn Gunnarsson, *Senior Adviser, RANNIS:* North meets East, Dialogue and Outcomes.

Egill Þór Nielsson, *Executive Secretary, CNARC:* Arctic policies of Nordic countries – relevance for China, CNARC's first book project.

Embla Eir Oddsdóttir, *Executive Director, Icelandic Arctic Cooperation Network:* China-Iceland Economic Roundtable.

Hongqiao Hu, *Head of Division, Polar Research Institute of China (PRIC):* China-Iceland Joint Aurora Observatory (CIAO).

Li Yuansheng, *Deputy Director, PRIC:* International Polar Theme Park in Shanghai.

**CHAIR:** Hallgrímur Jónasson, *General Director, RANNIS.*

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**18:00-20:00 REAKOUT SESSION No. 14: WHAT IS THE FUTURE OF THE ARCTIC?**

**Location: Ris, Top Floor, Þjóðmenningarhúsið (National Center for Cultural Heritage)**

Organized by arcticfutures (London) and the Center for Postnormal Policy and Futures Studies (Chicago)

*A highly interactive participatory learning experience to enable participants to explore a challenging range of ideas on Arctic futures.*

CHAIRS:

Guy Yeomans, *Founder, arcticfutures.*

John Sweeney, *Deputy Director, Center for Postnormal Policy and Futures Studies, East-West University.*

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**18:00-20:00 BREAKOUT SESSION No. 15: FILM SCREENING – PEOPLE OF A FEATHER**

**Location: Kaldalón, First Level, Harpa**

Organized by The Arctic Eider Society

Screening of the documentary film *People of a Feather*, followed by Q&A.

SPEAKER:

Joel Heath, *Executive Director, Arctic Eider Society, 2014-2015 Fulbright Scholar,*

*Visiting Chair in Arctic Studies: Developing stewardship and environmental governance in Canada's largest drainage basin: addressing cumulative impacts of hydroelectric projects on sea ice ecosystems and Inuit communities in Hudson Bay.*

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**18:00-19:00 BREAKOUT SESSION No. 16: U.S. ARCTIC RESEARCH COMMISSION: THE ARCTIC ANTHROPOCENE: EMERGING RESEARCH QUESTIONS.**

**Location: Eyri, Second Level, Harpa**

Organized by the U.S. Arctic Research Commission

SPEAKERS:

Stephanie Pfirman, *Professor, Columbia University.*

Mark D. Myers, *Vice Chancellor for Research, University of Alaska Fairbanks.*

CHAIR:

John Farrell, *Executive Director, U.S. Arctic Research Commission.*

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**18:30-20:00 BREAKOUT SESSION No. 17: POLAR LAW: ARCTIC SHIPPING**

**Location:** Glerstofa vestur, Second Floor, Þjóðmenningarhúsið (National Center for Cultural Heritage)

Organized by the University of Akureyri

**SPEAKERS:**

Michael Byers, *Professor and Canada Research Chair in Global Politics and International Law, University of British Columbia*: Arctic Straits: The Russian-Canadian Alliance.

Tore Henriksen, *Professor, University of Tromsø – the Arctic University of Norway*: Arctic Shipping and the Law of the Sea.

Hjalti Þór Hreinsson, *Program Officer at PAME*: China and Arctic Shipping: A realistic future scenario?

Tiantian Zhang, *The Arctic Institute*: Iceland's Potential as a Trans-Arctic Shipping Hub.

**CHAIR:**

Amalie Giødesen Thystrup, *Ph.D Fellow, University of Copenhagen Faculty of Law*.

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**18:30-20:00 BREAKOUT SESSION No. 18: THE ARCTIC DATA INTERFACE: A CENTRAL INFORMATION AND DATA SQUARE FOR THE ARCTIC**

**Location:** Vísa, First Level, Harpa

Organized by The Arctic Portal

**SPEAKERS:**

Halldór Jóhannsson, *Director, Arctic Portal*: An interactive and interoperable gateway to multidisciplinary Arctic data and information for the benefit of science, policy, business and people.

Dr. Hanne H. Christiansen, *The University Center in Svalbard, Professor of Physical Geography*: Focus on high arctic permafrost data from Svalbard from various landforms as examples of permafrost climate sensitivity studies to information and permanent knowledge.

Jenny Baseman, *Director, Climate and Cryosphere, Norwegian Polar Institute*: Sea-ice concentration and thickness evaluation and inter-comparison. Current challenges in data gathering and interpretation.

Lars Kullerud, *President, University of the Arctic*: Understanding the importance of visualization and popularization of data – an Arctic Atlas.

Jean-Pierre Lanckman, *Data Manager, Arctic Portal*: Introduction to PAGE21 & GTN - P Database. Engaging GIS compliant visualization and query technologies, thus facilitating the conversion of data to information and permanent knowledge.

**CHAIR:**

Halldór Jóhannsson, *Director, Arctic Portal*.

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**18:30-20:30 BREAKOUT SESSION No. 19: ARCTIC COUNCIL TRANSITIONS: LESSONS AND PRIORITIES FOR A U.S. CHAIRMANSHIP, 2015-2017**

**Location: Ríma B, First Level, Harpa**

Organized by Alaska Dispatch News

**SPEAKERS:**

James Collins, *former U.S. Ambassador, Diplomat in Residence and Senior Associate, Russia and Eurasia Program, Carnegie Endowment for International Peace.*

Michael Sfraga, *Vice Chancellor, University of Alaska Fairbanks and Co-Director, University of the Arctic Institute for Arctic Policy.*

Ross Virginia, *Director, Institute of Arctic Studies, Dickey Center for International Understanding; Myers Family Professor of Environmental Science, Dartmouth College; and Co-Director, University of the Arctic Institute for Arctic Policy.*

Ken Yalowitz, *former U.S. Ambassador, Global Fellow, Kennan Institute, Woodrow Wilson Center.*

CHAIR: Alice Rogoff, *Publisher, Alaska Dispatch News.*

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**18:30-20:30 BREAKOUT SESSION No. 20: HIGH NORTH ENGINEERING AND PLANNING PROJECTS**

**Location: Norðurljós, Second Level, Harpa**

Organized by The Center of High North Engineering and Planning and Engineering Research Institute, University of Iceland.

**SPEAKERS:**

Guðmundur Freyr Úlfarsson, *Professor, University of Iceland: Future Settlement and Activity Changes in the Arctic.*

Trausti Valsson, *Professor, University of Iceland: Planning Tools for Overview and Scenarios on How the Arctic May Evolve.*

Kjartan Eliasson, *Graduate Student, University of Iceland: Evaluation Mapping of the Future Arctic – Implications for Iceland.*

Björn Karlsson, *Associate Professor, University of Iceland: Using Risk Assessment to Evaluate Search and Rescue Options in the Arctic, and other Engineering Strategies.*

Gunnar Stefánsson, *Professor, University of Iceland: Arctic Freight Voyages Coming True? - Opportunities and Challenges.*

CHAIR: Jukka Heinonen, *Assistant Professor, University of Iceland.*

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**18:40-20:00 BREAKOUT SESSION No. 21: ARCTIC SCIENCE IN GLOBALIZATION:  
BEYOND THE INTERNATIONAL POLAR YEAR 2007-2008**

**Location: Háaloft, Sixth Level, Harpa**

Organized by Northern Research Forum

**SPEAKERS:**

Rasmus Gjedssø Bertelsen, *Barents Chair in Politics, University of Tromsø – the Arctic University of Norway / Aalborg University.*

Matthias Finger, *Professor, École Polytechnique Fédérale de Lausanne, Switzerland:*  
Energy and resources policy, technology, Switzerland.

Heather Exner-Pirot, *Strategist for Outreach and Indigenous Engagement, University of Saskatchewan, Canada*

David Hik, *Professor, University of Alberta, Chair, International Conference on Arctic Research Planning III*

Gunhild Hoosensen Gjörv, *Professor, University of Tromsø – the Arctic University of Norway.*

Halldór Jóhannsson, *Director, Arctic Portal.*

Gleb Yarovoy, *Associate Professor, Petrozavodsk State University.*

CHAIR: Lassi Heininen, *Professor, University of Lapland.*

**20:00-22:00 NETWORKING RECEPTIONS AND DINNERS AT VARIOUS LOCATIONS**

## **SATURDAY, NOVEMBER 1 – PLENARY SESSIONS**

**06:30–08:15 BREAKFAST AT HOTELS**

**07:30–17:00 REGISTRATION**

**Location: Harpa**

**08:00–08:30 WATER SOCIAL**

**Location: Harpa, Second Level.**

**08:30–9:15 PLENARY SESSION**

**Location: Silfurberg, Second Level, Harpa**

● **QUÉBEC PLAN NORD**

**KEYNOTE SPEECH:**

Philippe Couillard, *Premier of Québec.*

CHAIR: Patrick Van Klaveren, *Ambassador, Principality of Monaco. Prince Albert II Foundation.*



**09:15–10:00 PLENARY SESSION**

● **ARCTIC LANDMARKS**

CHAIR: Össur Skarphéðinsson, *MP, Foreign Minister of Iceland 2009-2013.*

**SESSION I: SVALBARD**

SPEAKER:

Christin Kristoffersen, *Mayor of Longyearbyen, Svalbard.*

**SESSION II: THE SAKHA REPUBLIC**

SPEAKER:

Egor Borisov, *Head of the Sakha Republic (Yakutia), Chair of the Northern Forum.*

**SESSION III: EXPLORING THE ARCTIC**

SPEAKER:

Artur Chilingarov, *Explorer and Special Envoy of the Russian President to the Arctic.*

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## 10:00–11:00 PLENARY SESSION

### ● COUNTRY SESSION: JAPAN

#### SPEAKERS:

Kenichi Suganuma, *Ambassador in charge of Arctic Affairs, Ministry of Foreign Affairs of Japan.*

Yoshihisa Shirayama, *Executive Director of the Japan Agency for Marine-Earth Science and Technology (JAMSTEC).*

Atsushi Sunami, *Professor, National Graduate Institute for Policy Studies (GRIPS).*

#### PANELISTS:

H.E. Mitsuko Shino, *Ambassador Extraordinary and Plenipotentiary of Japan to Iceland.*

Hiroyuki Enomoto, *Professor, Deputy-Director, National Institute of Polar Research.*

Takashi Kikuchi, *Team Leader, Arctic Ocean Climate System Research Team, Japan Agency for Marine-Earth Science and Technology (JAMSTEC).*

#### DELEGATION:

Yoshihiro Katayama, *Director, Maritime Security Policy Division, Ministry of Foreign Affairs.*

Takashi Kiyoura, *Director, Ocean and Earth Division, Ministry of Education, Culture, Sports, Science, Technology.*

Tomoko Hamachi, *Professional Staff, GRIPS Innovation, Science and Technology Policy Program (GIST) National Graduate Institute for Policy Studies (GRIPS).*

Yoko Ikeda, *Research and Development Division, Industrial Science and Technology Policy and Environment Bureau, Ministry of Economy, Trade and Industry.*

Tatsukuni Uchida, *Counselor, Embassy of Japan in Iceland.*

CHAIR: Kuupik Kleist, *Prime Minister of Greenland 2009-2013.*

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**11:00-12:15 PLENARY SESSION**

**Location: Silfurberg, Second Level, Harpa**

● **THE ARCTIC OCEAN – FISHERIES**

KEYNOTE SPEECH:

Árni Mathiesen, *Assistant Director-General, FAO; Head of the Fisheries and Aquaculture Department.*

SPEAKERS:

Michael Jones, *Chief Technology Advocate, Google.*

Jóhann Sigurjónsson, *Director General of the Icelandic Marine Research Institute.*

Ghislaine Maxwell, *Founder, The TerraMar Project.*

Susan Hackley, *Managing Director, Program on Negotiation, Harvard Law School.*

CHAIRS:

Paul Holthus, *CEO, World Ocean Council.*

Tómas Heiðar, *Judge of the International Tribunal for the Law of the Sea.*

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**12:15–13:00 NETWORKING LUNCH**

**Location: Harpa**

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**13:00-14:00 PLENARY SESSION**

● **COUNTRY SESSION: FRANCE**

OPENING:

Laurent Fabius, *Foreign Minister of France.* (Message read out by Mr Philippe O’Quin, Ambassador of France to Iceland).

Michel Rocard, *Prime Minister of France 1988-1991, Ambassador to the Polar Regions.*

SPEAKERS:

Yves Frenot, *Director, French Polar Institute.*

Denis-Didier Rousseau, *Senior Research Scientist, Coordinator, National Scientific Arctic Network.*

Cdr Patrick Marchesseau, *Senior Captain, Pontant.*

MODERATOR: Laurent Mayet, *Deputy Ambassador to the Polar Regions.*

**14:00–14:25 REPORT SESSION 2**

CHAIR: Lars Kullerud, *President, University of the Arctic*.

**REPORT IV: China-Nordic Arctic Cooperation**

SPEAKER:

Jia Guide, *Deputy Director General, Department of Treaty and Law, Ministry of Foreign Affairs, People's Republic of China*.

**REPORT V: Geopolitics in the High North**

SPEAKER: Kristine Offerdal, *Acting Director, Norwegian Institute for Defence Studies*.

**14:25-14:35 NETWORKING COFFEE BREAK**

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**14:35-15:50 PLENARY SESSION**

**Location: Silfurberg, Second Level, Harpa**

● **BUSINESS ACROSS THE ARCTIC**

INVESTMENT. INFRASTRUCTURE. TRADE. SHIPPING.

SPEAKERS:

Bjarni Benediktsson, *Minister of Finance, Iceland*.

Scott Miner, *Global Chief Investment Officer, Guggenheim Partners*.

Ye Weilong, *Vice President, China Ocean Shipping Company (COSCO)*.

Mead Treadwell, *Lieutenant Governor of Alaska*.

Anthony Hodge, *President, International Council on Mining and Metals*.

Oh-yig Kwon, *Vice President, Daewoo Shipbuilding & Marine Engineering Co., Ltd.*

CHAIR: Scott Borgerson, *Managing Director, CargoMetrics*.

**15:50–16:15 REPORT SESSION 3**

CHAIR: Lars Kullerud, *President, University of the Arctic*.

**REPORT VI: Korea in the Arctic**

SPEAKER:

Jai-Chul Choi, *Ambassador for Climate Change, Republic of Korea*.

**REPORT VII: Italy in the Arctic**

SPEAKER:

Giorgio Novello, *Ambassador of Italy to Iceland*.

**16:15-16:30 NETWORKING COFFEE BREAK**

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## SATURDAY BREAKOUT SESSIONS

The Breakout Sessions are organized by the respective partners of the Arctic Circle, organizations, institutions, companies, think tanks, universities, or other bodies.

### 16:30-19:30 BREAKOUT SESSIONS

#### 16:30-19:30 BREAKOUT SESSION No. 1: BUSINESS ACROSS THE ARCTIC

**Location: Silfurberg A, Second Level, Harpa**

##### SESSION 1E: INFRASTRUCTURE

###### SPEAKERS :

Jón Vilhjálmsson, *Director Energy, EFLA Consulting Engineers*: Development of transmission system in sparsely populated area and operation in harsh weather conditions, an Icelandic example.

Árni Jón Eliasson, *Specialist, Landsnet*: Overhead Transmission Lines in Northern Regions - Preparation and Design in Challenging Conditions

Nils Arne Johnson, *Arctic Director, Ramboll*.

Jón Haukur Steingrímsson, *Head of Geotechnical Engineering, EFLA Consulting Engineers*: Experience in developing transmission lines in permafrost areas such as Greenland.

Adam Gordon, *Account Manager, Supply Chain, CDP*.

CHAIR: Sveinn I. Ólafsson, *CEO of Verkís*

##### SESSION 1F: MINING AND ARCTIC DEVELOPMENT: ACHIEVING SHARED DECISION-MAKING AND SHARED-VALUE

Organized by the International Council on Mining and Metals (ICMM)

###### SPEAKERS:

Marcia Smith, *Senior Vice President, Sustainability & External Affairs, Teck*.

Janos Pasztor, *Acting Executive Director, Conservation International at WWF International*.

CHAIR: Anthony Hodge, *President, ICMM*.

## SESSION 1G: SHIPPING

### SPEAKERS :

Ian Storey, *Senior Fellow, Editor, Contemporary Southeast Asia, Institute of Southeast Asian Studies, Republic of Singapore*: Singapore's perspectives on the Northern Sea Route.

Captain David Snider, *Senior Vice President, The Nautical Institute*: Ice Navigator Training and Experience: The Nautical Institute's Way Ahead.

Gil Soo Kim, *Professor, Korea Maritime and Ocean University*: The advantages of shipping logistics when using the NSR: The case of Korea.

## SESSION 1H: DECISION MODEL TO BENEFIT BUSINESS AND GOVERNMENT

Organized by Reykjavik University

SPEAKER: Þórður Víkingur Friðgeirsson, *Assistant Professor, University of Reykjavík*.

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## 16:30-19:30 BREAKOUT SESSION No. 22: BRITAIN AND THE ARCTIC

**Location: Kaldalón, First Level, Harpa**

Organized by the All Party Parliamentary Group for the Arctic, United Kingdom

### SPEAKERS:

#### *Introduction*

James Gray, *MP, All Party Parliamentary Group on the Arctic*.

Dr Dougal Goodman, *Chief Executive, Foundation for Science & Technology*: Arctic development: keeping the licence to operate.

Guy Yeomans, *Founder and Director, Arctic Futures*: The Inaugural Arctic Hub: London event and the role London plays as a 'global' city in the potential future development of the Arctic.

#### *i. Arctic Policy*

Duncan Depledge, *Research Analyst, Climate Change and Security Programme, Royal United Services Institute*: Being 'near Arctic': contemporary British policy towards the Far North?

Michael Dangerfield, *Ph.D Candidate, Oxford University*: The Arctic's Rights of Passage: Resource Extraction, Indigenous Rights Based Conventions and the Evolving Role of the Private Sector.

Corinne Wood-Donnelly, *Ph.D, Brunel University*: Constructing the Arctic: Rules, Policy & Governance 1494-2013.

Johann Bruun, *Durham University*: Techno-politics and the production of territory in Post-War Greenland.

#### *ii. Arctic Science*

Anni Makela, *Research PG, Oceanlab, Aberdeen University*: Arctic benthic ecosystems and their resilience to climate change.

Jane Francis, *Professor, Director, British Antarctic Survey*: Science in the Arctic.

William Davies, *PhD Student, University of Leeds*: 'Scale-complexity' and offshore hydrocarbon development in the Arctic.

Samuel Wright, *PhD Student, University of Leeds*: The complicated role of science, trust and the extractives industries in a developing Greenland.

*iii. Arctic Business*

Andrew Foxall, *Director, Russia Studies Centre, The Henry Jackson Society*: Opportunities and Challenges for UK Businesses in the Arctic.

Michael Kingston, Associate Partner, *DWF Fishburns LLP*: Realities of operating in the Arctic: Finance, legal and insurance issues and international regulation - the Polar Code developments.

Ed Hawkins, *Principal Research Fellow, National Centre for Atmospheric Science, Reading University*: Arctic climate variability & when will the Arctic be sea-ice free?

Nathanael Melia, *Ph.D Student, Reading University*: When will trans-polar shipping routes be reliably open?

Martyn Millwood Hargrave, *CEO, IKON Science*: Deepwater Arctic Exploration: balancing benefits and challenges.

Peter Aslett, *Ion Concept Systems*: Narwhal Ice management - Concept Systems and its background in relation to Arctic operations and requirements.

Tom Boardley, *Lloyd's Register Marine*: Lloyd's' involvement in Arctic and Antarctic operations.

**CHAIR:**

James Gray, *All Party Parliamentary Group for the Arctic, MP, United Kingdom*.

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**16:30-19:30 BREAKOUT SESSION No. 23: ARCTIC TRANSFORMATIONS TO SUSTAINABILITY**

**Location: Eyri, Second Level, Harpa**

Organized by the International Institute for Sustainable Development (IISD) and the Institute for Advanced Sustainability Studies (IASS)

**SPEAKERS:**

Paul Holthus, *CEO, World Ocean Council.*

Tom Paddon, *Executive Chair, Arctic Economic Council; CEO, Baffinland.*

Gunn-Britt Retter, *Head, Arctic and Environment Unit, Saami Council.*

Shardul Agrawala, *Head, Environment and Economy Integration Division, Environment Directorate, OECD.*

John Crump, *Senior Advisor on Climate Change, Polar & Cryosphere Division, GRID Arendal.*

Nina Poussenkova, *Senior Researcher, Institute for World Economy and International Relations of the Russian Academy of Sciences.*

Jim Gamble, *Executive Director, Aleut International Association.*

\*Laurence Smith, *Professor and Chair of Geography, Professor of Earth, Planetary and Space Sciences, University of California Los Angeles.*

*Interactive exercise involving all participants.*

**CO-CHAIRS:**

Prof. Dr. Ilan Chabay, *Senior Fellow, IASS.*

Dr. Ivetta Gerasimchuk, *Senior Researcher, IISD.*

Dr. Kathrin Keil, *Project Scientist, IASS, Europe Director - Arctic Security, Cooperation, Resources and Institutions, The Arctic Institute.*

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**16:30-18:30 BREAKOUT SESSION No. 24: SCIENCE AND TECHNOLOGY OF DISAPPEARING ICE: INSTITUTIONAL SCIENTIFIC COOPERATION**

**Location: Stemma, First Level, Harpa**

Organized by the Icelandic Centre for Research (RANNIS) and the International Arctic Science Committee (IASC)

**SPEAKERS:**

Michael Karcher, *Researcher, Alfred Wegener Institute*: Sea Ice related science and technology for prediction and understanding.

Tero Vauraste, *CEO, Arctia Shipping, Finland*: Arctic Economic Council: Facilitating knowledge and data exchange between industry and academia.

Erica Key, *Program Director, Division of Polar Programs, National Science Foundation*: Societally Significant Observing: Meeting Needs Now for a Resilient Future.

Eyjólfur Guðmundsson, *Rector, University of Akureyri, Iceland*: International monitoring efforts for ice in the Arctic: Akureyri as field lab and an international research center.

Páll Ásgeir Davíðsson, *Vox Naturae, Iceland*: The Ice Circle Initiative: a new international entity generating multidisciplinary response to the impact of changing snow and ice regimes.

Michael Macrander, *Alaska Science Team Lead, Shell*.

**CHAIR:**

David Hik, *Professor, University of Alberta, Chair, International Conference on Arctic Research Planning III*.

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**16:30-18:30 BREAKOUT SESSION No. 25: QUÉBEC PLAN NORD – SUSTAINABLE PARTNERSHIP, DEVELOPMENT AND INNOVATION**

**Location: Silfurberg B, Second Level, Harpa**

Organized by Government of Québec

**SPEAKERS:**

Matthew Coon Come, *Grand Chief of the Grand Council of the Crees (Eeyou Istchee) and Chairperson of the Cree Regional Authority*.

Adamie Delisle Alaku, *VP Renewable Resources, Makivik Corporation*.

Patrick Godin, *Chief Operating Officer and Vice-President of Stornoway Diamond Corporation*.

Jean-François Verret, *Director; Strategy, Projects and Public Affairs; Mine Raglan – Glencore*.

Sophie D'Amours, *Vice-Rector Research and Innovation, Université Laval*.

**MODERATOR:**

Maryse Lassonde, *Scientific Director, "Fonds de recherche du Québec – Nature et technologies" (Québec Research Fund – Nature and Technologies)*.

**CHAIR:**

Pierre Arcand, *Minister of Energy and Natural Resources and Minister responsible for the Plan Nord, Québec*.

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**16:30-18:30 BREAKOUT SESSION No. 26: REGIONAL COOPERATION OF THE WORLD'S NORTHERN REGIONS**

**Location: Main Hall, Þjóðmenningarhúsið (National Center for Cultural Heritage)**

Organized by The Northern Forum and Arctic Portal

**SPEAKERS:**

Egor Borisov, *the Head of the Sakha Republic (Yakutia), Chair of the Northern Forum, Russia.*

Eiríkur Björn Björgvinsson, *Mayor of Akureyri.*

Timo Rautajoki, *President, Lapland Chamber of Commerce.*

Mikå Mered, *CEO, French Polar Cluster, France.*

Olivier Dobbels, *Co-President, French Polar Cluster.*

Anders Bjorklund, *Director, Carnivore Centre "Orsa Gronklitt", Dalarna, Sweden.*

Alexander Kravtchenko, *Director, Sakha Tuberculosis Medical Centre, Sakha Republic (Yakutia), Russia.*

Olga Stysyuk, *Director of "Otrazhenie" Museum, Khanty-Mansiysk-Yugra, Russia.*

Halldór Jóhannsson, *Director, Arctic Portal.*

Magdalena Tomasik, *Manager, Arctic Portal, Iceland.*

**CHAIRS:**

Vladimir Vasiliev, *Minister on Federative and External Relations, Sakha Republic.*

Halldór Jóhannsson, *Director, Arctic Portal.*

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**16:30-18:30 BREAKOUT SESSION No. 27: A WARM LAND IN A COLD PLACE. ITALY IN THE ARCTIC FROM A TO Z: BUSINESS, SCIENCE, RESEARCH, TECHNOLOGY.**

**Location: Norðurljós, Second Level, Harpa**

Organized by the Embassy of Italy to the Republic of Iceland

**OPENING:**

Ambassador Giorgio Novello, *Embassy of Italy to Iceland*.

**SPEAKERS:**

Roberto Cianella, *Office of the Director General, Directorate General for Mineral and Energy Resources, Italian Ministry of Economic Development*.

Tony Ellis, *Vice President and Head of International Affairs, Valvitalia*.

Fausto Batini, *CEO, Magma Energia Italia S.R.L.*

Emanuele Saiu, *CEO, Becromal Iceland ehf*.

Donatella Giampaolo, *Head of European Business Development, Telespazio SpA*.

Vito Vitale, *Department for Earth and Environment, National Research Council of Italy*.

Paolo Favali, *Senior Researcher, National Institute for Geophysics and Vulcanology*.

John Picard, *Director, International Strategy and Partnerships, EMSO (European Multidisciplinary Seafloor and Water Column Observatory)*.

Massimo Inguscio, *President, National Institute of Metrological Research*.

Andrea Merlone, *Director, Istituto Nazionale di Ricerca Metrologica, Thermodynamics Division*.

Angelo Camerlenghi, *Director, Geophysics Research Section, Istituto Nazionale di Oceanografia e di Geofisica Sperimentale OGS, Trieste*.

**MODERATOR:** Tommaso Andria, *Deputy Head of Mission, Embassy of Italy to Norway and Iceland*.

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**16:30-18:00 BREAKOUT SESSION No. 28: MILITARY STRATEGIES AND DEFENCE POLICIES IN, AND IMPACTS OF RECENT CRISES ON, SECURITY OF THE ARCTIC**

**Location: Háaloft, Sixth Level, Harpa**

Organized by the Thematic Network on Geopolitics and Security and the Northern Research Forum

**SPEAKERS:**

Stéphane Roussel, *Professor, ENAP* and Frédéric Lasserre, *Professor, Université Laval*: Russian Flights and the Canadian Arctic: media reports, military statements, and meanings for Canadian sovereignty and security.

Barbora Padrtova, *Research Fellow, Centre for European and North Atlantic Affairs, Slovak Republic*: Russian Military Build-up and Aggressive Rhetoric – How it Influences Cooperation in the Arctic.

Alexander Sergunin, *Professor, St. Petersburg State University, Russia*: Russian Military Strategies in the Arctic – Looking for New Priorities?

Valery Konyshchev, *Professor, St. Petersburg State University, Russia*: U.S. Military Strategies in the High North: In Search of a New ‘Identity’?

Michael T. Corgan, *Professor, University of Boston*: Will the US discover the Arctic once again?

**CHAIR:** Gunhild Hoogensen Gjörv, *Professor, University of Tromsø – the Arctic University of Norway*.

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**16:30-18:00 BREAKOUT SESSION No. 29: THE ECONOMICS OF ECOSYSTEMS AND BIODIVERSITY TEEB – VALUING THE INVALUABLE ARCTIC**

**Location: Ríma A, First Level, Harpa**

Organized by World Wildlife Fund (WWF Arctic) and the Conservation of Arctic Flora and Fauna International Secretariat (CAFF)

**SPEAKERS:**

Tom Barry, *Executive Secretary, CAFF*.

Timo Rautajoki, *President and CEO, Lapland Chamber of Commerce*.

Cheryl Rosa, *Deputy Director, U.S. Arctic Research Commission*.

Ilja Leo Lang, *Office Manager, Association of Arctic Cruise Operators*.

Suzanne Lalonde, *Professor, Université de Montréal*.

**CHAIR:**

Alexander Shestakov, *Director, WWF Global Arctic Programme*.

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**16:30-18:00 BREAKOUT SESSION No. 30: HEALTH AND WELL-BEING IN THE ARCTIC**

**Location: Vísa, First Level, Harpa**

Organized by the University of Akureyri

**SPEAKERS:**

Sigrún Sigurðardóttir, *Assistant Professor, University of Akureyri*: Psychological trauma and violence, consequences for health and well-being and multi-disciplinary therapy.

Elín Ebba Ásmundsdóttir, *Associate Professor, University of Akureyri*: How to empower users in the mental health field.

Kristín Þórarinsdóttir, *Lektor, University of Akureyri*: Can person-centered self-assessment on health contribute to health promotion in the Arctic.

Árún K. Sigurðardóttir, *Professor, Dean of School of Health Sciences, University of Akureyri*: Diabetes in the Arctic.

**CHAIR:** Sigrún Sigurðardóttir, *Assistant Professor, School of Health Sciences, University of Akureyri*.

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**16:30-18:00 BREAKOUT SESSION No. 31: FISHERIES EDUCATION IN COLD WATERS**

**Location: Ris, Top Floor, Þjóðmenningarhúsið (National Center for Cultural Heritage)**

Organized by the University of Akureyri

**SPEAKERS:**

Arto Huhta, *Senior Lecturer, Turku University of Applied Sciences*.

Hörður Sævaldsson, *Adjunct Specialist, Program Fisheries Sciences Centre, University of Akureyri*.

Hreiðar Þór Valtýsson, *Director, Fisheries Sciences Centre, University of Akureyri*.

Kathrine Tveiterås, *Head of Department, Norwegian College of Fishery Science, University of Tromsø – the Arctic University of Norway*.

Keith Rideout, *Academic Director, Fisheries and Marine Institute, Memorial University*.

Michael Sfraga, *Vice Chancellor for University and Student Advancement, University of Alaska Fairbanks*.

Ólafur Jón Arnbjörnsson, *Director, Icelandic College of Fisheries*.

Peter Weiss, *Director, The University Centre of the Westfjords*.

**CHAIR:**

Ögmundur Knútsson, *Dean of School of Business and Science, University of Akureyri*.

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**16:30-18:00 BREAKOUT SESSION No. 32: ARCTIC METHANE**

**Location:** Glerstofa austur, Second Floor, Þjóðmenningarhúsið (National Center for Cultural Heritage)

Organized by University of Alaska Fairbanks

**SPEAKERS:**

Ray Boswell, *Technology Manager for Natural Gas Technologies, NETL, U.S. Department of Energy.*

Dan White, *Associate Vice Chancellor for Research and Director, Institute of Northern Engineering, University of Alaska Fairbanks.*

Igor Semiletov, *Research Professor, International Arctic Research Center, University of Alaska Fairbanks.*

**CHAIR:**

Mark D. Myers, *Vice Chancellor for Research, University of Alaska Fairbanks.*

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**16:30-18:00 BREAKOUT SESSION No. 33: INCREASING KNOWLEDGE OF THE ARCTIC: INTERNATIONAL SCIENTIFIC COLLABORATION AND EXCHANGE OPPORTUNITIES**

**Location:** Glerstofa vestur, Second Floor, Þjóðmenningarhúsið (National Center for Cultural Heritage)

Organized by the Fulbright Program

**SPEAKERS:**

Lars Kullerud, *President, University of the Arctic.*

Stephen D. Money, *Academic Exchange Specialist, Bureau of Educational and Cultural Affairs, U.S. Department of State.*

Belinda Theriault, *Executive Director, Iceland-U.S. Educational Commission.*

Terhi Mölsä, *Executive Director, Finland-U.S. Educational Exchange Commission.*

Eric Jönsson, *Executive Director, Commission for Educational Exchange between the U.S. and Sweden.*

**CHAIR:**

Petter Næss, *Executive Director, U.S. – Norway Fulbright Foundation.*

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**18:00-19:30 BREAKOUT SESSION No. 34: GEOPOLITICS AND SECURITY IN THE ARCTIC. REGIONAL DYNAMICS IN A GLOBAL WORLD**

**Location: Vísa, First Level, Harpa**

Organized by the Norwegian Institute for Defence Studies.

**SPEAKERS:**

Bård Glad Pedersen, *State Secretary, Ministry of Foreign Affairs, Norway.*

Kristine Offerdal, *Acting Director Norwegian Institute for Defence Studies: International relations in the Arctic – conflicting interests?*

Alf Håkon Hoel, *Research Director, Institute of Marine Research: The legal-political regime – conflicting interests?*

Valur Ingimundarson, *Professor, University of Iceland.*

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**18:00-19:30 BREAKOUT SESSION No. 35: ARCTIC COMMERCIAL OPPORTUNITIES AND CORPORATE SOCIAL RESPONSIBILITY**

**Location: Ríma A, First Level, Harpa**

Organized by the Icelandic Arctic Cooperation Network, the Icelandic-Arctic Chamber of Commerce, Festa – the Icelandic Center for Corporate Social Responsibility, in cooperation with the Icelandic Joint Committee on Arctic Affairs, Arctic Services, and the Icelandic Search and Rescue Cluster.

**SPEAKERS:**

Hans Christian Krarup, *Director, Golder Associates A/S.*

Robert Howe, *Managing Director, Bremenports GmbH & Co.*

Kolbeinn Árnason, *Executive, Federation of Icelandic Fishing Vessel Owners.*

Nils Arne Johnsen, *Arctic Director, Rambøll Group.*

Amélie Rouleau, *Superintendent, Risk Management and Public Affairs, Glencore Raglan Mine.*

Tero Vauraste, *President and CEO, Arctia Group; Vice Director, Arctic Economic Council.*

**CHAIR:** Orri Vigfússon, *Founder and Chairman of the North-Atlantic Salmon Fund.*

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**18:00-19:30 BREAKOUT SESSION No. 36: POLAR LAW: ARCTIC GOVERNANCE**  
**Location: Glerstofa vestur, Þjóðmenningarhúsið (National Center for Cultural Heritage)**

Organized by the University of Akureyri

**SPEAKERS:**

Lassi Heininen, *Professor, the University of Lapland*: The role and importance of high stability and peace for Arctic governance.

Mary Durfee, *Associate Professor at Michigan Tech University*: Every Treaty is a Policy: Expectations and Change in the Arctic.

Federica Scarpa, *Project Manager at Arctic Portal*: The EU, the Arctic and the ban on seal products.

Erik Vilstrup Lorenzen, *Arctic Ambassador, Undersecretary for Arctic Affairs, Danish Ministry of Foreign Affairs*: Arctic Governance: How do we keep the Arctic a low-tension area?

**CHAIR:**

Guðrún Rósa Þórsteinsdóttir, *Director, University of Akureyri Research Centre and the Northern Research Forum*.

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**18:00-19:30 BREAKOUT SESSION No. 37: MANAGING SHARED INTERESTS IN OIL AND GAS RESOURCES**

**Location: Ríma B, First Level, Harpa**

Organized by Stony Brook University.

*This session brings together experts in energy, the environment and the Arctic to examine shared interests and opportunities in Arctic oil and gas.*

**SPEAKERS:**

Terry Audla, *National Inuit Leader and President of Inuit Tapiriit Kanatami*.

Robert Blaauw, *Arctic Theme and Policy Manager, Royal Dutch Shell*.

Heiðar Már Guðjónsson, *Chairman of Eykon Energy*.

Erik Haaland, *Arctic Non-technical Risk, Statoil*.

David Hik, *Professor, University of Alberta; Chair, ICARP III*.

Gunhild Hoogesén Gjörv, *Professor, University of Tromsø*.

Auður H. Ingólfssdóttir, *Assistant Professor, Bifröst University*.

Guðni A. Jóhannesson, *Director General, National Energy Authority/Orkustofnun*.

William Moomaw, *Professor Emeritus of International Environmental Policy, Fletcher School of Law and Diplomacy, Tufts University*.

Alexander Shestakov, *Director, WWF Global Arctic Programme*.

Fran Ulmer, *Chair, U.S. Arctic Research Commission and Special Advisor to the U.S. State Department on Arctic Science and Policy*.

**CHAIR:**

Kathleen Araújo, *Assistant Professor, Stony Brook University and Research Affiliate, Massachusetts Institute of Technology*.



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**18:10-19:40 BREAKOUT SESSION No. 38: FUTURE SECURITY OF THE ARCTIC:  
ENVIRONMENTAL / HUMAN SECURITY, ENERGY SECURITY, MARITIME  
SAFETY, AND INTERNATIONAL TREATIES**

**Location: Háaloft, Sixth Level, Harpa**

Organized by the Thematic Network on Geopolitics and Security and the Northern  
Research Forum

**SPEAKERS:**

Suzanne Lalonde, *Professor, University of Montreal*: Role of International Law in  
Fostering Environmental Security in Arctic Waters.

Malte Humpert, *Founder and Executive Director, The Arctic Institute*: The Future of  
Arctic Shipping: A New Silk Road for China?

Jussi Huotari, *Ph.D Candidate*, and Hanna Lempinen, *Ph.D Candidate, University of  
Lapland, Finland*: Energy Securities – Perspectives From and to the Arctic  
Energyscape.

Bertel Heurlin, *Jean Monnet Professor, University of Copenhagen*: Comparing and  
explaining the role of the United States and China in the territorially disputed sub-  
regions of the South China Sea and the Arctic.

Zhang Pei, *Deputy Director, Shanghai Institutes for International Studies*: The Evolving  
concept of security, and security in the Arctic.

**CHAIR:** Michael T. Corgan, *Professor, University of Boston*

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**19:30-22:00 NETWORKING RECEPTIONS AND DINNERS AT VARIOUS LOCATIONS**

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**SUNDAY, NOVEMBER 2 – PLENARY SESSIONS**

**06:30–08:15 BREAKFAST AT HOTELS**

**07:30–17:00 REGISTRATION**

**Location: Harpa**

**08:00–08:30 WATER SOCIAL**

**Location: Harpa, Second Level.**

**08:30–09:45 PLENARY SESSION**

**Location:** Silfurberg, Second Level, Harpa

● **ARCTIC SECURITY**

**SPEAKERS:**

Bård Glad Pedersen, *State Secretary, Ministry of Foreign Affairs, Norway.*  
Alexander Sergunin, *Professor, St. Petersburg State University, Russia.*

● **COAST GUARDS: SEARCH & RESCUE**

**SPEAKERS:**

Georg Kr. Lárusson, *General Director of the Icelandic Coast Guard.*  
Maj. Gen. Stig Østergaard Nielsen, *Commander of the Danish Joint Arctic Command in Nuuk, Greenland.*  
Richard Button, *Chief of the Search and Rescue Coordination Division, U.S. Coast Guard.*  
Commander Blake McBride, *Associate Director, Office of Naval Research.*

**CHAIR:** Lassi Heininen, *Professor, University of Lapland; Leader of Thematic network on Geopolitics and Security.*

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**09:45-11:15 PLENARY SESSION**

● **ARCTIC ICE – GLOBAL CLIMATE – SCIENTIFIC COOPERATION**

**KEYNOTE SPEECH:**

Christiania Figueres, *Executive Secretary of the UN Framework Convention on Climate Change (UNFCCC).*

**SPEAKERS:**

Fran Ulmer, *Chair, U.S. Arctic Research Commission and Special Advisor to the U.S. State Department on Arctic Science and Policy.*  
Jane Francis, *Director, British Antarctic Survey.*  
Jan-Gunnar Winther, *Director, Norwegian Polar Institute.*  
Peter Wadhams, *Professor, Department of Applied Mathematics and Theoretical Physics, University of Cambridge.*  
John Falkingham, *Secretariat Director, International Ice Charting Working Group.*  
David Hik, *University of Alberta, Chair ICARP III.*  
Seung Woo Han, *Director, Korean Polar Research Institute.*

**CHAIR:** Kristín Ingólfssdóttir, *Rector, University of Iceland.*

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**11:15-12:00 PLENARY SESSION**

● **INDIGENOUS VOICES FROM THE ARCTIC**

**SPEAKERS:**

Terry Audla, *National Inuit Leader and President of Inuit Tapiriit Kanatami.*

Anders Oskal, *Executive Director, International Centre for Reindeer Husbandry.*

Okalik Eegeesiak, *Chair, Inuit Circumpolar Council.*

Alexey Tsykarev, *Member of the United Nations Expert Mechanism on the Rights of Indigenous Peoples, Office of the United Nations High Commissioner for Human Rights.*

CHAIR: Tine Pars, *Rector, Ilisimatusarfik / University of Greenland.*

**12:00–12:30 REPORT SESSION 4**

CHAIR: Embla Eir Oddsdóttir, *Director, Icelandic Arctic Cooperation Network.*

**REPORT VIII: Enhancing the US Chairmanship of the Arctic Council: Fulbright's Commitment to the Arctic 2015-2017**

**SPEAKER:**

Alice Rogoff, *Publisher, Alaska Dispatch.*

**REPORT IX: The State of the Alaskan Arctic**

**SPEAKER:**

Lesil McGuire, *Member of the Alaska Senate.*

**12:30–13:30 NETWORKING LUNCH**

**Location:** Harpa

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**13:30-15:00 PLENARY SESSION**

**● RISING STARS: THE ARCTIC, CLIMATE CHANGE AND THE ROLE OF RENEWABLE ENERGY**

**SPEAKERS:**

William Moomaw, *Professor Emeritus of International Environmental Policy, Fletcher School of Law and Diplomacy, Tufts University.*

Kartikeya Singh, *Doctoral Research Fellow, Center for International Environment & Resource Policy, the Fletcher School of Law and Diplomacy, Tufts University.*

Samuel Perkin, *PhD Candidate, Landsnet and Iceland School of Energy at Reykjavik University.*

Halla Hrund Logadóttir, *Director of Iceland School of Energy at Reykjavik University.*

Trisha Shrum, *PhD Candidate, Harvard Kennedy School.*

Zhu Liu, *Post-Doctoral Research Fellow, Harvard Kennedy School.*

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**15:00-15:15 NETWORKING COFFEE BREAK**

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**15:15–15:45 REPORT SESSION 5**

**CHAIR:** Embla Eir Oddsdóttir, *Director, Icelandic Arctic Cooperation Network.*

**REPORT X: The EU in the Arctic – The Arctic in the EU**

**SPEAKER:**

Paula Kankaanpää, *Director, Arctic Centre of the University of Lapland, Finland.*

**REPORT XI: Conservation of Arctic Flora and Fauna (CAFF): Arctic Biodiversity Report**

**SPEAKER:** Tom Barry, *Executive Secretary, CAFF, the Arctic Council.*

**15:45–16:15 PLENARY SESSION**

**Location:** Silfurberg, Second Level, Harpa

● **ARCTIC RESEARCH – THE U.S. ARCTIC COUNCIL CHAIRMANSHIP**

KEYNOTE SPEECH:

Fran Ulmer, *Chair, US Arctic Research Commission and Special Advisor to the U.S. State Department on Arctic Science and Policy.*

CHAIR: Ólafur Ragnar Grímsson, *President of Iceland.*

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**16:15-16:30 NETWORKING COFFEE BREAK**

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## SUNDAY BREAKOUT SESSIONS

The Breakout Sessions are organized by the respective partners of the Arctic Circle, organizations, institutions, companies, think tanks, universities, or other bodies.

### 16:30-19:30 BREAKOUT SESSIONS

#### 16:30-19:30 BREAKOUT SESSION No. 39: FUTURE SECURITY OF THE ARCTIC II: LOCAL AND REGIONAL SECURITY, (STATE) SOVEREIGNTY, NATIONAL AND REGIONAL SECURITY AND NEW SECURITY ACTORS

**Location:** Björtuloft, Fifth Level, Harpa

Organized by the Thematic Network on Geopolitics and Security and the Northern Research Forum

##### SPEAKERS:

Justin Massie, *Professor, University of Québec, Montréal* and Joel Plouffe, *Researcher, National School of Public Administration (ENAP), Québec, Canada*: Diplomatic Spillover? Assessing the impact of the Ukrainian crisis on Canada-Russian Relations.

Jessica Shadian, *ALIAS-Marie Curie COFUND Fellow, Århus University*: Mukloks on the Ground: Community-based Monitoring and Regional Arctic Governance – shall the twain ever meet?

Gleb Yarovoy, *Associate Professor, Petrozavodsk State University, Russia*: Bottom-up Security. Paradiplomacy as the last chance for keeping in touch in the (European) Arctic.

Maria Ackrén, *Associate Professor, Ilisimatusarfik, University of Greenland*: Hearing Processes in Greenland Regarding the Mining Industry.

Heather Exner-Pirot, *Strategist for Outreach and Indigenous Engagement, University of Saskatchewan, Canada*: Linking the Local with the Global: Disconnects in Arctic Policymaking.

Rasmus Gjedssø Bertelsen, *Barents Chair in Politics, University of Tromsø – the Arctic University of Norway / Aalborg University*: Asia, New Stakeholders in North Atlantic Security?

Su Ping, *Professor, Center for Polar Politics, Tongji University*: China and Arctic Security.

Gustav Petursson, *Ph.D candidate, University of Lapland*: Icelandic Security and Defence Policy in the 21<sup>st</sup> Century: towards a Nordic security community.

Michał Luszczuk, *Faculty Member, the Jan Kochanowski University, Poland*: A Threat or an opportunity? Exploring the European and Canadian attitudes towards the globalized Arctic.

Lassi Heininen, *Professor, University of Lapland, Finland*: The Global Arctic as a Potential Ground for a Paradigm Shift of Arctic Security.

##### CHAIRS:

Lassi Heininen, *Professor, University of Lapland*.

Auður H Ingólfssdóttir, *Assistant Professor at Bifröst University*.

**16:30-18:30 BREAKOUT SESSION No. 40: SCIENCE AND TECHNOLOGY OF DISAPPEARING ICE: CURRENT PRIORITIES AND COLLABORATION BETWEEN RESEARCHERS, FUNDERS AND BUSINESS COMMUNITIES**

**Location: Háaloft, Sixth Level, Harpa**

Organized by the Icelandic Center for Research (RANNIS) and the International Arctic Science Committee (IASC)

**SPEAKERS:**

Jan Gunnar Winther, *Director, Norwegian Polar Institute*: Arctic Science: Challenges and Opportunities.

Michael Karcher, *Researcher, Alfred Wegener Institute*: *The EU Framework programs and scientific cooperation in the Arctic.*

Steingrímur Jónsson, *Professor, University of Akureyri, Marine Research Institute*: *Challenges for oceanographic research in the Arctic.*

Paul Holthus, *CEO, World Ocean Council*: Smart Ocean-Smart Industries: Arctic Data Collection by Ocean Industries.

Marianne Rögeberg, *Head of Arctic Affairs, Nordforsk*: Crossing borders – Nordic research cooperation in an Arctic context.

Hongqiao Hu, *Head of Division, Polar Research Institute of China (PRIC)*: China-Iceland Joint Aurora Observatory (CIAO).

**CHAIR:**

Thorsteinn Gunnarsson, *Head of Division, RANNIS*.

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**16:30-18:00 BREAKOUT SESSION No. 41: CLIMATE CHANGE AND EQUALITY IN THE ARCTIC; PECHA KUCHA SESSION**

**Location: Silfurberg B, Second Level, Harpa**

Organized by the Centre for Arctic Policy Studies (CAPS), University of Iceland and Bifröst University

**SPEAKERS:**

Auður H Ingólfssdóttir, *Assistant Professor at Bifröst University*: Climate change and gender.

Kristinn H. Schram, *Director of CAPS and Post-Doctoral Researcher, University of Iceland*, and Katla Kjartansdóttir, *Researcher, Institute of International Affairs*: Gender identity in an accelerated Arctic.

Lilia Vinokurova, *Lead Researcher, The Russian Academy of Sciences*: Men's loss of traditional status in the Arctic.

Anna Karlsdóttir, *Associate Professor, University of Iceland*: Gender and youth perspectives on impacts of climate change.

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**16:30-18:00 BREAKOUT SESSION No. 42: THE ARCTIC PLATE BOUNDARY, SOURCE OF LIFE, ENERGY AND ORE FORMING DEPOSITS**

**Location: Ríma A, First Level, Harpa**

Organized by the University of Iceland

**SPEAKERS:**

Thorvaldur Thordarson, *Professor, University of Iceland*: The North Atlantic Igneous Province and the opening of the North Atlantic.

Bryndís Brandsdóttir, *Research Professor, University of Iceland*: Mapping the seafloor north of the Arctic Circle, volcanism and glaciations.

Steinunn Hilma Ólafsdóttir, *Specialist in Benthos, Marine Research Institute*: Interaction of Benthic fauna and the Seafloor.

Ármann Höskuldsson, *Research Professor, University of Iceland*: The Reykjanes Ridge, evolution of plate boundary.

Guðrún Helgadóttir, *Specialist in Marine Geology, Marine Research Institute*: Exploring the seabed around Iceland - with multibeam echosounder.

CHAIR: Áslaug Geirsdóttir, *Professor, University of Iceland*.

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**16:30-18:00 BREAKOUT SESSION No. 43: ECOLOGY OF CLIMATE CHANGE**

**Location: Ríma B, First Level, Harpa**

Organized by the Alaskan Command and Joint Task Force-Alaska

CHAIR: J. Jerome Montague, *Native Affairs and Natural Resources Advisor, Alaskan Command*.

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**16:30-18:00 BREAKOUT SESSION No. 44: UNMANNED AIRCRAFT SYSTEMS: RESEARCH, TECHNOLOGY, COMMERCE, AND EMERGENCY RESPONSE IN A CHANGING ARCTIC**

**Location: Kaldalón, First Level, Harpa**

Organized by the University of Alaska Fairbanks

**SPEAKERS:**

Marty W. Rogers, *Director, Alaska Center for Unmanned Aircraft Systems Integration, University of Alaska Fairbanks*.

Sigurdur Hrafnsson, *Director, UAS Iceland*.

**CHAIR:**

Michael Sfraga, *Vice Chancellor, University of Alaska Fairbanks*.

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**16:30-18:00 BREAKOUT SESSION No. 45: ARCTIC ROTARY CONNECTIONS: NORTH TO THE FUTURE**

**Location: Vísa, First Level, Harpa**

Organized by Rotary International.

**SPEAKERS:**

Joseph Davis, *Vice President, ConsultNorth; Anchorage Rotary Club.*

Sandra Medearis, *President, Arctic Consulting; Nome Rotary Club.*

Reynir Adolfsson, *Project Manager, Ars borealis, Project Borderlands.*

**CHAIR:**

Joseph Davis, *Vice President, ConsultNorth; Anchorage Rotary Club.*

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**16:30-18:00 BREAKOUT SESSION No. 46: SUSTAINABLE DEVELOPMENT METRICS FOR THE ARCTIC**

**Location: Silfurberg A, Second Level, Harpa**

Organized by SE2T International

**SPEAKERS:**

Shardul Agrawala, *OECD, Head, Environment and Economy Integration Division, Environment Directorate, OECD.*

Bruno Ferreyra, *Executive Vice President, Industry & Facilities Business, Bureau Veritas.*

Paula Kankaanpää, *Director, Arctic Centre of the University of Lapland, Finland.*

Irina Tchoumatchenko, *President, NR Europe.*

Sergio C. Trindade, *President, SE2T International.*

Alexander Shestakov, *Director, Global Arctic Programme, World Wildlife Fund.*

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**16:30-18:00 BREAKOUT SESSION No. 47: IMPLICATIONS OF A SEASONALLY ICE-FREE ARCTIC OCEAN**

**Location: Stemma, First Level, Harpa**

Organized by the University of Iceland, Institute of Earth Sciences

**SPEAKERS:**

Peter Wadhams, *University of Cambridge, Department of Applied Mathematics and Theoretical Physics.*

Commander Blake McBride, *Associate Director, Office of Naval Research.*

**PANEL:**

Ruibo Lei, *Polar Research Institute of China.*

Héðinn Valdimarsson, *Marine Research Institute.*

Anna Karlsdóttir, *University of Iceland, Life and Environmental Sciences.*

Jörundur Svavarsson, *University of Iceland, Life and Environmental Sciences.*

Þór Jakobsson, *University of Iceland.*

**CHAIR:**

Ingibjörg Jónsdóttir, *University of Iceland, Institute of Earth Sciences.*