



# Northern Forum and pollution prevention in the Arctic

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Mika Riipi

County Governor of Lapland



# NORTHERN FORUM

International non-profit organization that brings together subnational/regional governments and serves as a platform for enhancing and expanding a non-political dialogue among leaders of Arctic and Northern regions

# OUR MISSION

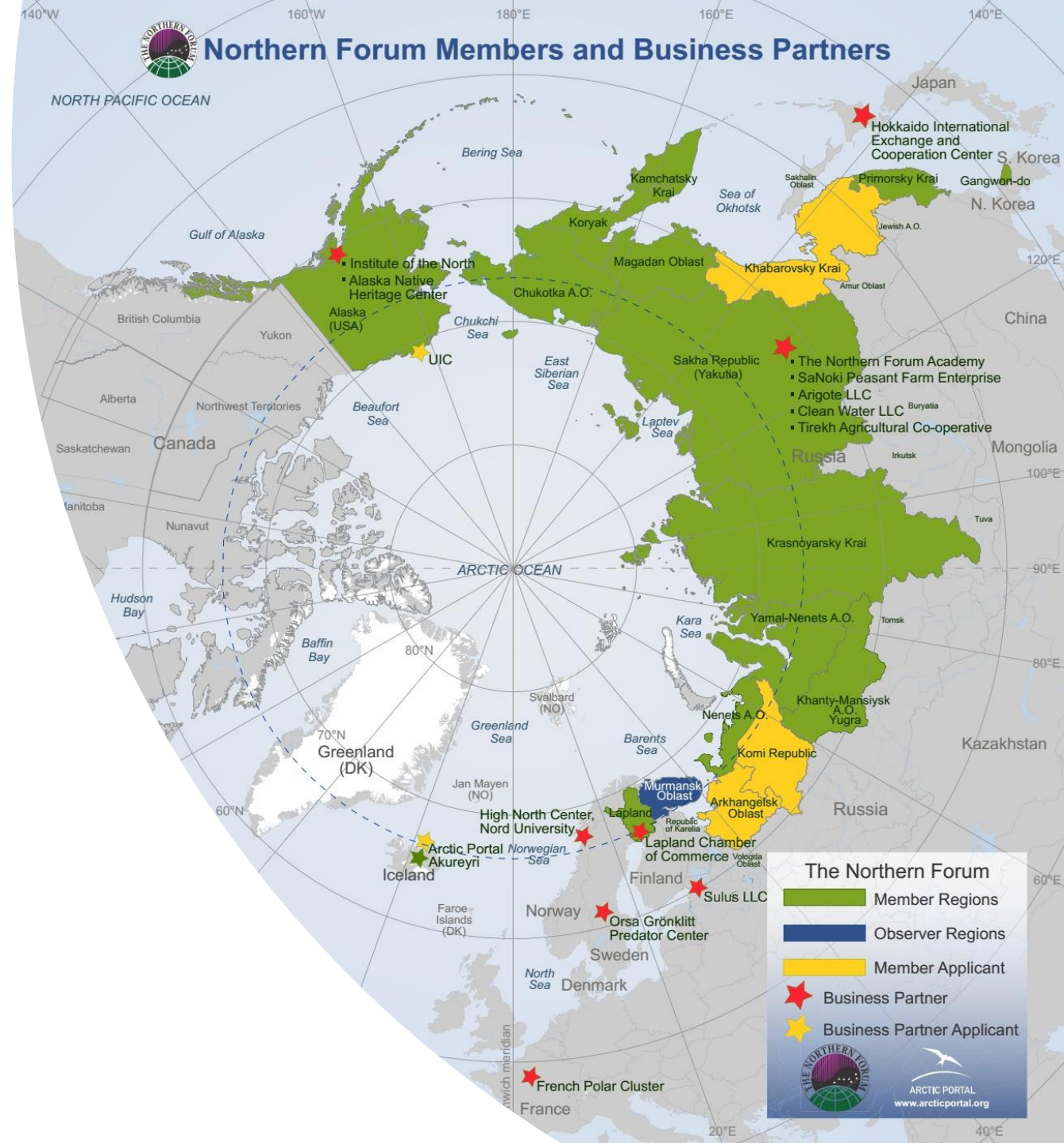
To improve the quality of life of northern peoples by providing northern regional leaders a means to share their knowledge and experience in addressing common challenges

To support sustainable development and implementation of cooperative socio-economic initiatives among northern regions and through international fora

# NF MEMBERSHIP

13 member regions  
from 5 countries

Business partnership  
includes companies  
from 8 countries



## **CHAIR**

Krasnoyarsk Krai

## **VICE-CHAIRS**

Akureyri

Gangwon Province

Khanty-Mansiysk Autonomous  
Okrug- Ugra

Sakha Republic (Yakutia)

## **MEMBER REGIONS**

Alaska

Chukotka Autonomous Okrug

Kamchatka Krai

Lapland

Magadan Oblast

Nenets Autonomous Okrug

Primorsky Krai

Yamalo-Nenets Autonomous  
Okrug

# BUSINESS PARTNERS

## FINLAND

Lapland Chamber of Commerce

## FRANCE

French Polar Cluster

## ICELAND

Arctic Portal

## JAPAN

Hokkaido International Exchange  
and Cooperation Center

## SWEDEN

Orsa Gronklitt Predator Center

## NORWAY

High North Center for Business and  
Governance of the Business School  
at Nord University

## RUSSIA

Clean Water LLC

Energy Saving Technologies LLC

Sulus LLC

## USA

Alaska Native Heritage Center

Institute of the North

UIC Arctic Business Relations LLC

# AKUREYRI

- Marine plastic pollution needs to be tackled.
- Marine safety and security due to increased traffic of cargo ships and cruise ships is an important issue that needs attention.
- Cleansing of sewage before released into the ocean is on Akureyri's agenda.
- Our biggest fishing company is putting emphasis on the use of biodiesel instead of regular diesel for their fleet.
- Marine cage farms and the need for strong regulations is being discussed.

- Developing a state strategy that will help bring together international, regional, national and sub-national efforts to improve marine transportation in the Alaska Arctic, particularly through prevention measures. (Our SPAR director was on the US delegation that participated in the Prevention Project the Arctic Council had a year or two ago)
- Contributing to the multi-agency effort to develop a statewide hazardous material backhaul pilot program serving remote rural Arctic communities. (Our Environmental Health division is working with EPA and the Denali Commission on this)



# ALASKA

- Data from our ongoing fish tissue monitoring program has shown transboundary contamination (including mercury) that might impact Arctic communities in Alaska (This is overseen by our office of the state veterinarian in the EH Division)
- The Waste Erosion Assessment and Review (WEAR) project inventoried and ranked old landfills and other contaminated or potentially contaminated sites that are at risk of polluting waterways due to coastal and river erosion. Data obtained from evaluating over 700 sites in 124 rural communities will help state and federal agencies prioritize and allocate funding to clean up sites and control eroding areas.



# ALASKA



**To support the development of the Arctic  
Industry and Circular economy**

**FINNISH INDUSTRIAL CIRCULAR ECONOMY CENTRE  
TO BE ESTABLISHED IN KEMI**

**MAPPING OF INDUSTRIAL SIDE-STREAMS IN  
LAPLAND**

- To utilize more efficiently the industrial side-streams in the region → to reveal new business opportunities in utilizing the side-streams and managing the industrial symbiosis

**POLICY ACTIONS FOR CREATING FUNCTIONAL  
DOMESTIC AND INTERNATIONAL MARKET**

**DEMONSTRATION PROJECTS**

- Arctic business ecosystems to utilise the side streams
- Practical business cases Involving the RD actors

**CLOSING THE LOOP PROJECTS**

**LAPLAND**

## TO SUPPORT THE DEVELOPMENT OF THE SUSTAINABLE TOURISM

- To develop practises for the nature tourism and to manage the environmental pressure the tourism is causing
- To develop quality standards for the tourism entrepreneurs

## STOP THE CAPITAL OUTFLOW AND CLARIFY BUSINESS POTENTIAL

- Decentralised renewable energy biofuels sytems to support the development of the village and local level close loop solutions

## LOCAL RESPONSIBILITY CAMPAIGN TO SUSTAIN ENVIRONMENT FOR THE NEXT GENERATION

LAPLAND

# KHANTY- MANSIYSK AUTONOMOUS OKRUG - UGRA

- to conclude cooperation agreements between all major oil and gas companies and the Regional Government, where companies make a more stringent commitments to develop and implement long-term environmental programs and activities.
- to develop and implement an environmental damage compensation mechanism for any pollution, depletion, damage in kind, by restoring nature's initial state.
- to introduce a continuous monitoring system for environmental impact within the boundaries of licensed areas - a local environmental monitoring. An annual submission of geotagged pollutant concentration measurements to the "Chemical contamination monitoring within the boundaries of licensed areas" database. Processed environmental monitoring results will be used by enterprises to plan and implement long-term environmental programs.

# KHANTY- MANSIYSK AUTONOMOUS OKRUG - UGRA

- to plan oil spill prevention, cleanup and emergency response measures.
- to implement a quality assessment mechanism for remediation works using regional norms for residual hydrocarbon content in the soil.
- to develop and approve a Procedure for certification of remediated lands, previously contaminated with oil, petroleum products and produced water in order to exclude them from the register of lands and waters, polluted by oil, petroleum products and produced water.
- to create a “Nature User’s Personal Account” web service, where the companies can submit their electronic reports, and the public authorities have an access to integrated information to minimize negative environmental impacts.

# KHANTY- MANSIYSK AUTONOMOUS OKRUG - UGRA

- to offer tax incentives to encourage enterprises to implement measures aimed at improving the environment, to introduce environmentally friendly and low-waste technologies.
- to create an effective system of State environmental supervision using space technologies and unmanned aerial vehicles.
- to develop Program activities to enhance the use of APG (Associated Petroleum Gas) to reduce APG flaring.
- to create a geotagged Register of lands and waters, polluted by oil, petroleum products and produced water and publishing it on the official website of the regional government.

- to pay special attention to the elimination of accumulated environmental damage and the rehabilitation of degraded ecosystems.
- establishing a special regime of nature and environmental protection in the Russian Arctic will implement the declared principles of sustainable development at the economic development of the Arctic.

# MAGADAN OBLAST



# SAKHA REPUBLIC (YAKUTIA)

- to organize, in conjunction with the Northern Forum and the Arctic Council, an international Northern Climate Change Forum in the Sakha Republic (Yakutia) in 2018 with the participation of foreign experts and scientists in this field.
- to include a students' environmental awareness promotion seminar in the program of the next NF Youth Eco Forum in 2018 and round tables, discussing pollution prevention in the Arctic with the participation of experts from the Arctic Council.



# SAKHA REPUBLIC (YAKUTIA)

- the participation of regional administrations of the Northern Forum in addressing the protection of the Arctic environment, to establish a constructive dialogue and interaction between mining companies and indigenous people of the Arctic.
- within the framework of the NF working groups to organize a systematic exchange of information on regional policies regarding environmental protection, alternative energy, sustainable transport, pollution prevention and protected areas, including a development of the NF “Development of Specially Protected Areas” project.

- Environmental clean-up of Bely Island is an environmental project being conducted since 2012 with a support of the Government of Yamalo-Nenets Autonomous Okrug.
- In the period from July 13 to July 27, 2017, at the initiative of the Governor Dmitriy Kobylkin with organizational support of non-profit partnership “Russian Center of Arctic Development” an expedition to Vilkitsky Island was organized to determine the next environmental clean-up site in the Yamalo-Nenets Autonomous Okrug.
- The ecological expedition to the Bely Island is only the first step on the way of implementation of a large-scale and strategic project, the work for the well-being of future generations!

# YAMALO- NENETS AUTONOMOUS OKRUG



# Results of the Environmental Cleanup of the Bely Island

No.	Description	Amount
1.	The area cleaned	60 hectares
2.	Scrap metal and other waste collected:	800 tons
	§ Containers (25 cubic metres)	15 items
	§ Containers (50 cubic metres.)	8 items
	§ A container (400 cubic metres)	1 item
	§ Fuel tanks (200 litres)	3500 items
	§ Derelict vehicles	33 items
	§ Ramshackle buildings	19 buildings

800 tons of scrap metal have been collected, 300 tons of scrap metal have been removed from the island and recycled. The funds derived were transferred to the children’s charitable foundation called “YAMINE”.

# Sites of the Bely Island before and after the Environmental Cleanup



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