

SYKE
Finnish Environment
Institute
Marine Research Centre
Paula Kankaanpää, Director



SYKE

the Finnish Environment Institute



- The expert and research agency for Finnish government and administration
- Director General Lea Kauppi
- Staff 550
- Ministry of the Environment

- Finland's hub for environmental data and information
- Finland's environmental laboratories

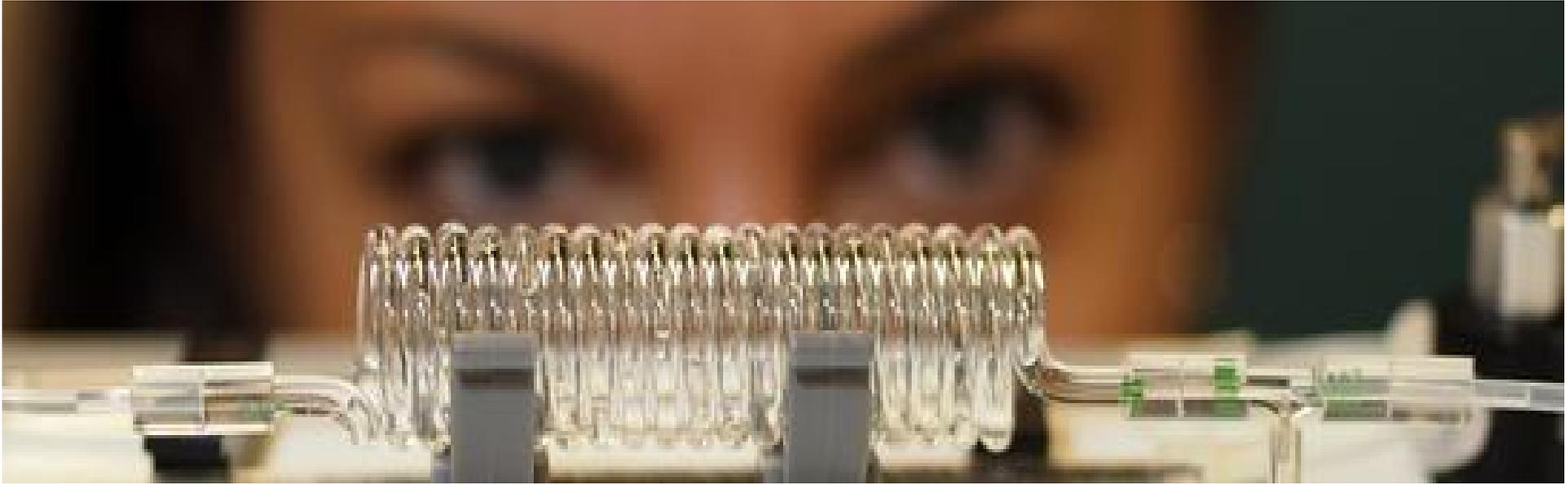
- Terrestrial, marine and freshwater environmental science
- Sustainable consumption and production
- Circulation economy and environmental policy



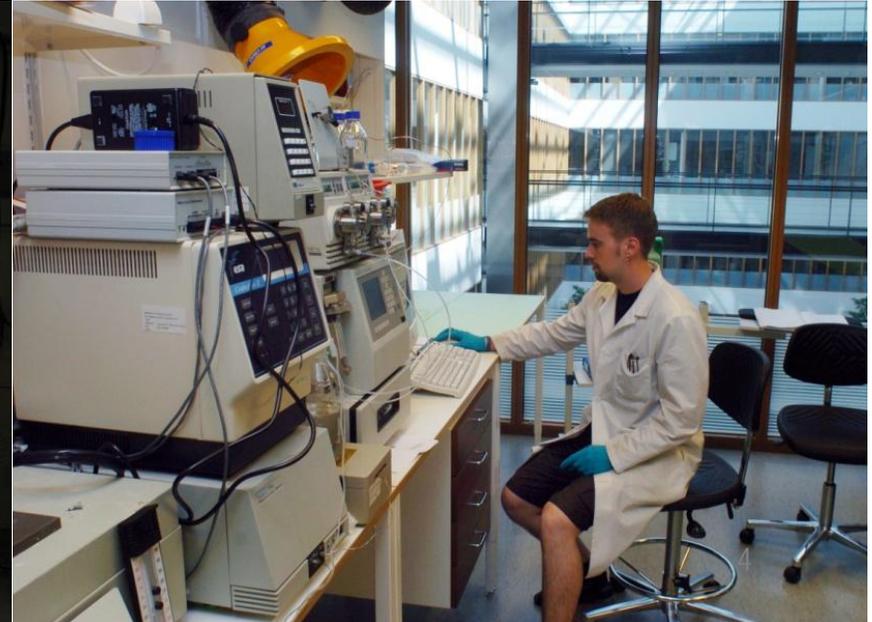
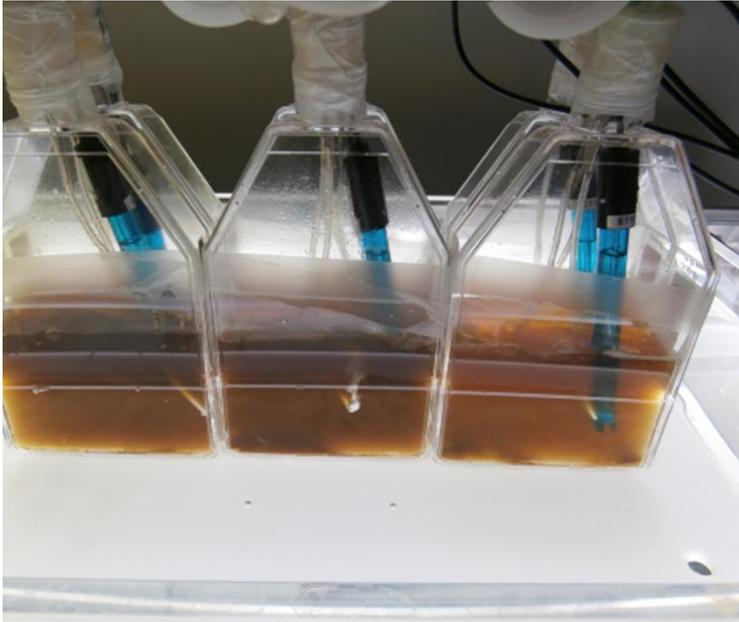


SYKE Marine Research Centre

- research and monitoring of the environmental status of the Baltic Sea
- expert for Finland's integrated marine management
- 100 scientists & experts
- 9 m€, 70 % external funding



SYKE Marine Research Laboratories



R/V Aranda

Ice Class A1 Super

* Renovation 2017 - 18



SYKE - FINMARI Consortium for Finland's National Marine Research Infrastructure



automated sampling,
real time measurement



Remote sensing products for monitoring of the Baltic Sea and the arctic environment

Sentinel 3A-satelliitti,
© ESA-Pierre Carril.



SYKE is responsible for
**Finland's
marine
environmental
emergency
response**

together with the
Frontier Guard and
the Finnish Naval
Forces



Agreements on
Marine Oil Pollution Preparedness
and Response
&
Search and Rescue
in the Arctic
full scale, table top and alert exercises

Ecological
impacts of oil
spill response
methods

Mechanical cleaning
Burning
Chemicals
Biological remediation
Predictions
Prevention strategies





ARCTIC COUNCIL

PAME

Protection of the Arctic Marine Environment

Expert workshop on
Marine Protected Area networks
in the Arctic
21-22 September 2017, Helsinki

Arctic Council

Policy Leaders
Ministers of Foreign Affairs

Deputy Ministers

Senior Arctic Officials

**Diplomats &
Officers**

**Five Environmental Permanent
Working Groups**

AMAP - monitoring

ACAP - actions

CAFF - nature

EPPR - emergencies

PAME - marine

**Sustainable
Development
Working Group**

Ad hoc projects

other sectors
(except military)

**Task
Forces**
Ad hoc
tasks

**Experts, Scientists
Indigenous Peoples**

Arctic Council

A success-story of information production for over 20 years

- Assessment reports
- Best practices
- Recommendations
- Compilations of existing information

Arctic Council has influence:

- Arctic Voice in global for a (IPCC, CBD, SD)
- Global treaties (POP, Hg)
- Arctic treaties (SAR, Oil, Research, Polar Code)



Finnish Chairmanship

- Arctic Council chairmanship rotates in two years' rotations
 - US – Finland – Iceland
- Chaircountries can trigger new projects or emphasise certain existing processes.
- <https://toolbox.finland.fi/videos/other-videos/arctic-council-chairmanship-finland-long-version/>
- (<https://toolbox.finland.fi/videos/other-videos/arctic-council-chairmanship-finland-short-version/>)



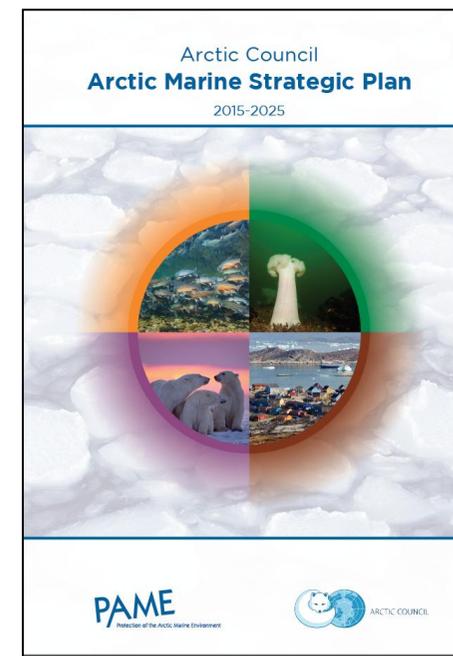
PAME
Protection of the Arctic Marine Environment

PAME's mandate:

- work for conservation and sustainable use of the Arctic marine and coastal environment

Expert Groups on

- Shipping
- **Marine Litter**
- Marine Protected Areas
- Arctic Offshore Resources Exploration and Development
- Ecosystem Approach



Framework for a Pan-Arctic Network of Marine Protected Areas

April 2015



PAME
Protection of the Arctic Marine Environment



PAME Marine Protected Areas Network:

- Vision for a network of protected and specially managed areas in the Arctic

Area-based conservation measures and ecological connectivity



PAME

Marine protected areas
–network toolbox:

- to assist in advancing MPA networks
- address different types of pressures and threats

Four workshops for expert dialogues on MPA networks in the Arctic 2016 – 2018

Spring 2019	Update of the toolbox	Update of the toolbox	2019 MPA Expert Group
During 2018 - 2019	Information dissemination	Updated toolbox & other material	PAME

Four workshops for expert dialogues on MPA networks in the Arctic 2016 – 2018

Fall 2016	Ecological connectivity	Report	Under preparation - US
Winter 2017	Ecological Resilience	Report	Under preparation - US
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Winter 2017	Ecological Resilience	Report	
Fall 2017	Acidification & climate change	Report and Reporting Card	February 2018 - Swe & Fin
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Four workshops for expert dialogues on MPA networks in the Arctic 2016 – 2018

Fall 2016	Ecological connectivity	Report	Under preparation US
Winter 2017	Ecological Resilience	Report	
Fall 2017	Acidification & climate change	Report and Reporting Card	February 2018 Swe & Fin
Winter 2018	Engagement?	Report	December 2018 x
Spring 2019	Update of the toolbox	Update of the toolbox	2019 MPA Expert Group
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Overview of the status and trends of protected areas in the Arctic.

Based on the Protected Areas Database submitted by each of the Arctic Council member states.

IUCN Categories

Ministerial Declarations

Recommendations
to

**Arctic States
International co-operation
Working Groups**

2009/02064-5
454.8
INARI DECLARATION
on the occasion of the Third Ministerial Meeting
of
THE ARCTIC COUNCIL

Recommendations
Best practices,
Guidelines

Ministerial
Declarations

Science based
reports,
Assessments

For the Government of Denmark
Ole Samsing
Ole Samsing
Senior Arctic Official

For the Government of Iceland
Halldór Ásgrímsson
Halldór Ásgrímsson
Minister for Foreign Affairs

For the Government of the Russian
Federation
Roald F. Piskoppel
Roald F. Piskoppel
Deputy Minister of Economic
Development and Trade

For the Government of the United
States of America
Paula Dobriansky
Paula Dobriansky
Secretary of State

For the Government of Finland
Tuomioja
Tuomioja
Minister for Foreign Affairs

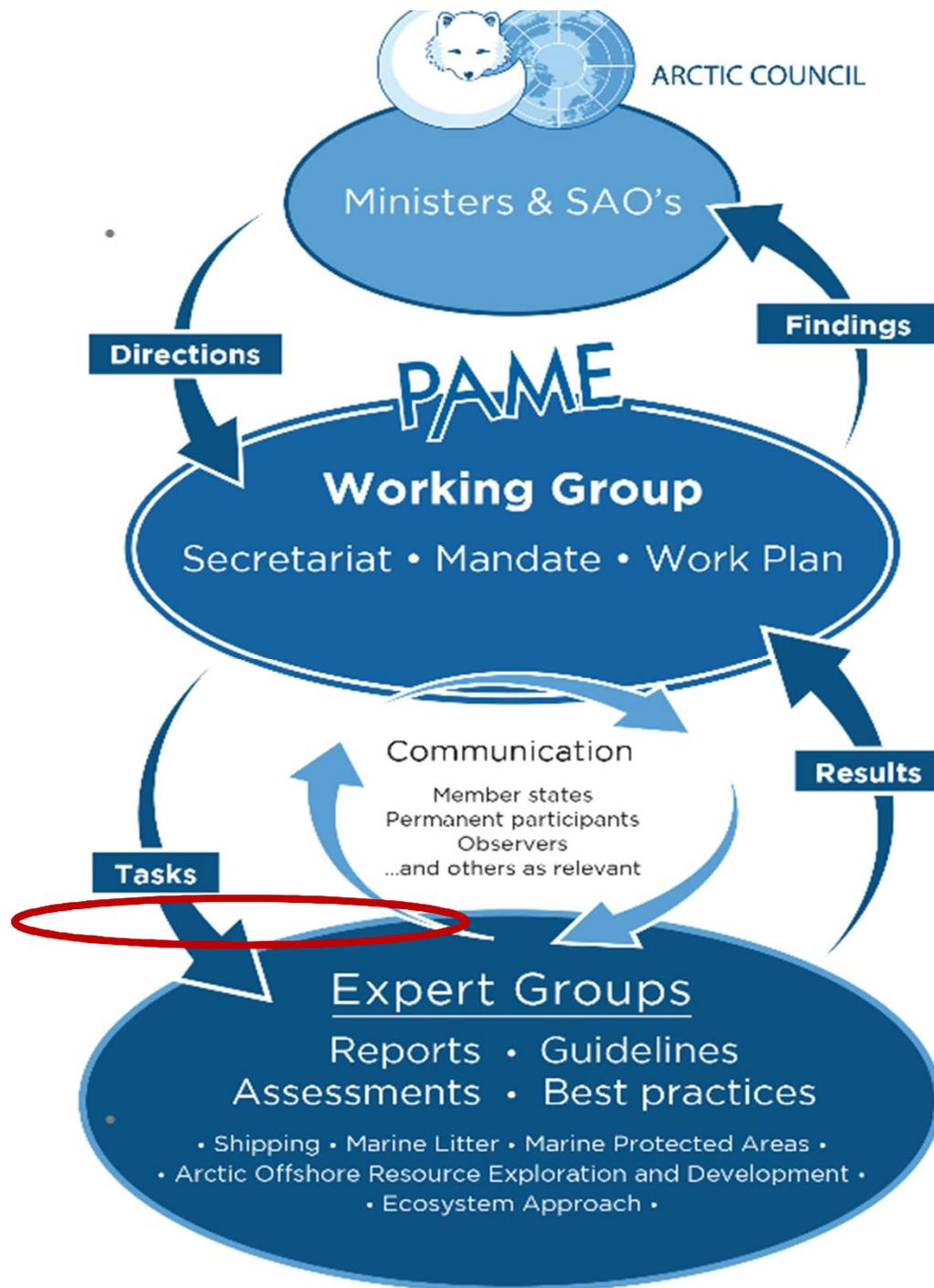
For the Government of Norway
Kari Traavik
Kari Traavik
Secretary

For the Government of Sweden

Hereby:
HUMAN CONDITIONS IN THE ARCTIC
1. Declare our commitment to improve the human condition in the Arctic to this end

acknowledging the commitment of the Governments of the Arctic States and indigenous peoples' to work together to promote sustainable development and environmental protection in the Arctic region with increased focus on climate change, sustainable use of resources and human development in the Arctic;
Acknowledging the character of the Arctic Council as a unique partnership among Governments and organizations representing the Arctic States and indigenous peoples in the Arctic;
Referring to the special features of the Arctic environment as an indicator of global environmental impacts, such as climate change and long-range trans-boundary pollution, and the importance of information may have on the work in international fora;
Noting with appreciation the strengthened role of the Arctic Council as an international voice for the Arctic peoples, indigenous peoples, regional authorities, scientific experts, and civil society;
Noting with satisfaction the work of the Arctic Council Working Groups, the Arctic Monitoring and Assessment Programme (AMAP), Conservation of Arctic Flora and Fauna (CAFF), Emergency Prevention, Preparedness and Response (EPPR), Protection of the Arctic Marine Environment (PAME), Sustainable Development Working Group (SDWG) as well as the Arctic Climate Impact Assessment (ACIA) and the Action Plan against Pollution in the Arctic (ACAP);
Welcoming increased participation of the indigenous peoples in the work of the Arctic Council and its subsidiary bodies;





- Shipping
- Marine Litter
- Marine Protected Areas
- Arctic Offshore Resources Exploration and Development
- Ecosystem Approach

Arctic Council has been influential

- **Arctic Voice, e.g.**
 - World Summits on Sustainable Development
 - IPPC report
 - UN Convention on Biological Diversity
- **Global treaties**
 - LRTAP Convention, Protocol on POPs under UN ECE, 1998/2003
 - Stockholm Convention on **POPs** 2001/2004
 - Minamata Convention on **Mercury**, 2014/
- **Arctic Agreements**
 - Maritime **Search and Rescue in the Arctic** , 2011/2013
 - Agreement on Cooperation on Marine **Oil Pollution Preparedness and Response in the Arctic**, 2013
 - IMO International Code of safety for ships operating in polar waters (**Polar Code**) 2017
 - **Research Cooperation 2017**
- **Next:**
 - Prevention of oil spill accidents?
 - Fisheries?

EXPLORING
COMMON
SOLUTIONS

FINLAND'S
CHAIRMANSHIP
2017-2019



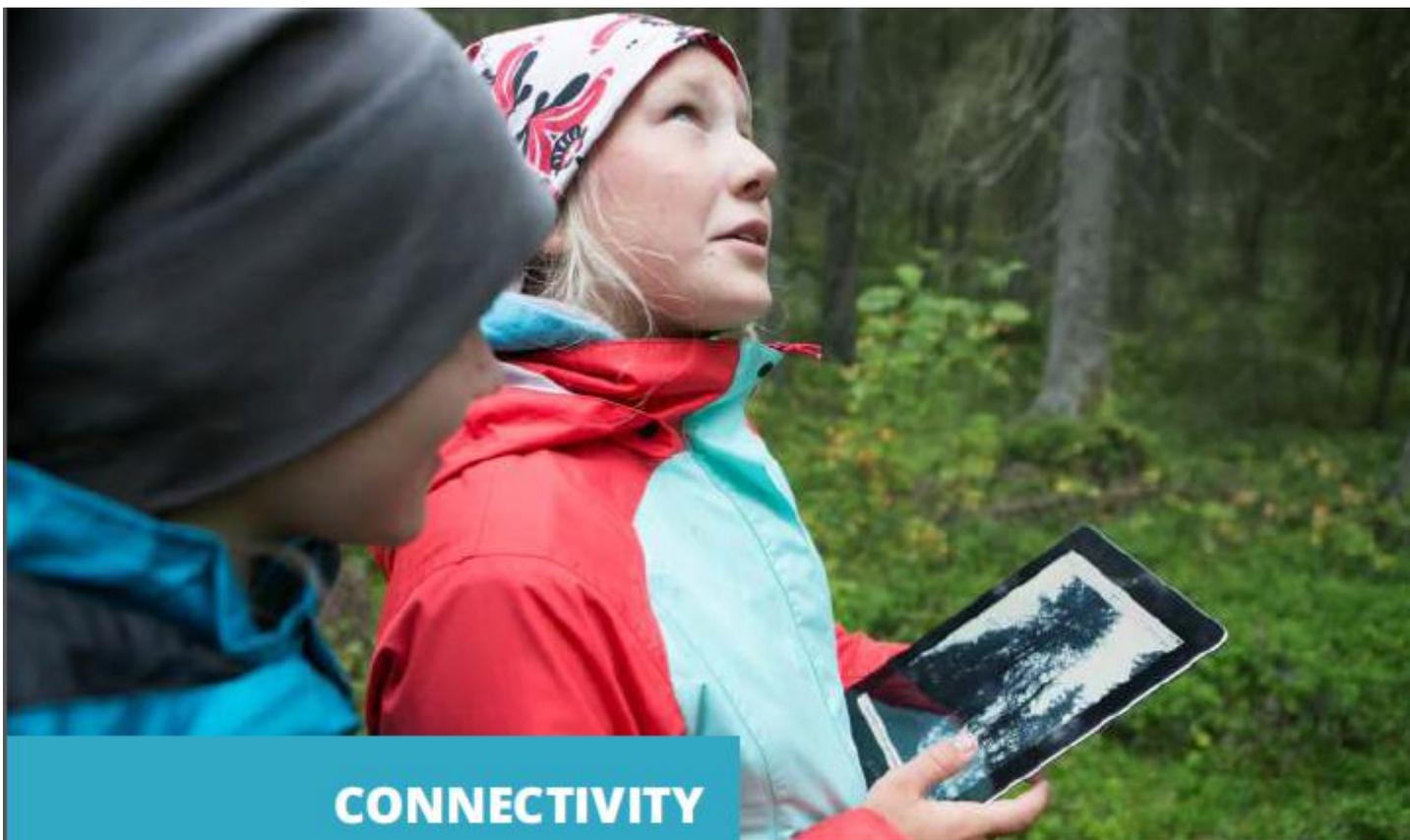
ARCTIC COUNCIL

FINLAND'S
CHAIRMANSHIP PROGRAM
FOR THE ARCTIC COUNCIL
2017-2019



FINLAND'S PRIORITIES

**ENVIRONMENTAL
PROTECTION**



CONNECTIVITY



**METEOROLOGICAL
COOPERATION**



EDUCATION



AREAS OF WORK OF THE ARCTIC COUNCIL

**THE ENVIRONMENT
AND CLIMATE**



Senior Arctic Officials and Permanent Participants in Portland, Maine in 2016

STRENGTHENING ARCTIC COOPERATION