

2nd International Symposium on Plastics in the Arctic and Sub-Arctic Region 22-23 Nov 2023

Draft program 31. August 2023

22nd November 2023

0900-1030	PLENARY: Welcoming and Opening Addresses
	<p>Moderator: Ambassador Pétur Ásgeirsson, SAO Iceland</p> <p>Opening by Minister for Foreign Affairs in Iceland, <i>Pórdís Kolbrún Reykfjörð Gylfadóttir</i></p> <p><i>Address by Morten Höglund SAO Chair Norway</i></p> <p>Keynote Address (TBC)</p> <p>Update on the Intergovernmental Negotiating Committee (INC) on Plastic Pollution <i>Heidi Savelli-Söderberg (TBC)</i></p> <p>Short welcome by Symposium Partners</p>
1030-1100	Coffee break

Three parallel sessions on thematic discussions

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1100-1530	<p>THEME 1: Monitoring and assessment of plastic pollution in the Arctic. Moderator: Anne Katrine Normann, Centre for the Ocean and the Arctic, UiT Arctic University of Norway</p>	<p>THEME 2: Methodological developments to determine macro, micro and nano plastics. Moderator: Henrik Enevoldsen, Head of Ocean Science Section, ICO UNESCO (TBC)</p>	<p>THEME 3: Sources and transport of plastic in the Arctic and sub-Arctic. Moderators: Wojciech Wawrzynski, Head of Science Department, ICES & Eirini Glyki, Science Professional Officer, ICES</p>
1100-1115	<p>Keynote speaker: Jennifer Provencher, Environment and Climate Change Canada</p>	<p>Keynote speaker: Amy Lusher, Norwegian Institute for Water Research (NIVA)</p>	<p>Keynote speaker: Peter Murphy, NOAA, US Marine Litter program in Alaska</p>
1115-1130	<p>Towards a plastics research and monitoring framework for Canada's North & Arctic. Sarah Kalhok Bourque, Crown-Indigenous Relations and Northern Affairs Canada (CIRNAC) TBC</p>	<p>Nanoplastics in Arctic' ecosystems: myth or reality? Julien Gigault, Takuvik (CNRS/Université Laval)</p>	<p>Atmospheric microplastic in the Arctic and the Norwegian mainland. Dorte Herzke, NILU & NIPH</p>
1130-1145	<p>Floating microplastics in the Eurasian Arctic: spatial and temporal trends. Svetlana Pakhomova, Norwegian Institute for Water Research</p>	<p>Microplastic pollution in Ny-Alesund, Svalbard. Yubo Li, Shanghai Narwhal Ocean Research Center</p>	<p>A plastic archive in Greenland: micro and nano particles in marine sediment. Karla Parga Martinez, University of Copenhagen</p>
1145-1200	<p>Reproducible pipelines and readiness levels in plastic monitoring. Amy Lusher, Norwegian Institute for Water Research (NIVA)</p>	<p>A pan-Arctic Monitoring program for litter and microplastics. Jennifer Provencher, Environment and Climate Change Canada</p>	<p>Fishing nets on the coastline of the North Atlantic region - What is causing the issue and how can it be solved? Wouter-Jan Strietman, Wageningen Economic Research</p>

<p>1200-1215</p> <p>1215-1230</p>	<p>First analysis of micro- and meso-plastic particles in sea-surface samples collected in Icelandic coastal waters. Belen Ovide, TBC</p> <p>Sentinels of plastic: Monitoring plastic pollution in the Sub-Arctic ecosystem using Icelandic fin whales as indicators. Odei Garcia-Garin, <i>University of Barcelona</i></p>	<p>Marine litter pollution in Southern Spitsbergen – lessons learnt from 6 tonnes of litter picked up from 30 km of the coast. Adam Nawrot, <i>forScience Foundation</i></p> <p>Differentiating between microplastics, algae and dissolved organic matter using single particle ICPTOFMS. Lyndsey Hendriks, <i>TOFWERK</i></p>	<p>Vertical fluxes of microplastics and other anthropogenic particles measured using moored sediment traps in two Arctic glacial fjords (Svalbard archipelago). Giuseppe Suaria, <i>CNR-ISMAR</i></p> <p>Modeling influence of biogeochemical processes on the transport of microplastics in the Arctic Ocean. Anfisa Berezina, <i>Norwegian Institute for Water Research NIVA</i></p>
<p>1230-1330 LUNCH</p>			
<p>1330-1345</p> <p>1345-1400</p> <p>1400-1415</p>	<p>Implementing national monitoring of plastic pollution in Norway. Eivind Farnen, <i>Miljødirektoratet</i></p> <p>Microplastics in the ice cover of a northern freshwater lake – a four-year monitoring. Tuomo Soininen, <i>University of Eastern Finland</i></p> <p>Monitoring the presence, abundance, and identity of micro- and nano-plastics of Arctic and Beringian foodwebs. Douglas Causey, <i>University of Alaska Anchorage TBC</i></p>	<p>Characterization of microplastics in surface waters from Great Slave Lake and the Mackenzie River, Northwest Territories. Madelaine Bourdages, <i>Carleton University</i></p> <p>Marine beach litter in the Baltic Sea. Outcome from the HELCOM BLUES project. Eva Blidberg, <i>Keep Sweden Tidy Foundation</i></p> <p>Uptake and accumulation of car tire rubber-related organic chemicals in blue mussels (<i>Mytilus edulis</i>). Kristin Galtung, <i>NILU and Akvaplan-niva</i></p>	<p>Plastic contamination of the Barents Sea. Anna Vesman, <i>Arctic and Antarctic Research Institute TBC</i></p> <p>Microplastic pollution in sediments around Svalbard, from sea-ice covered areas on the continental shelf to deep slope gullies. France Collard, <i>Norwegian Institute for Water Research</i></p> <p>Microplastic concentrations and modelling of microplastic transport in the Baltic Sea and Arctic sea ice. Hermanni Kaartokallio, <i>Finnish Environment Institute</i></p>

1415-1430	Microplastics and plastic additives in salmonids from the central Canadian Arctic. Bonnie Hamilton , <i>Environment and Change Canada</i>	Production and analysis methods for pristine and degraded microplastic and nanoplastic reference materials. Andy Booth , <i>SINTEF Ocean</i>	Evidence of highly local marine litter sources in an Arctic Archipelago (Lofoten, Norway). Vilde Sørnes Solbakken , <i>SALT Lofoten AS</i>
1430-1445	Indicators for plastic monitoring – linking the plastic value chain with environmental occurrence. Katrin Vorkamp , <i>Aarhus University</i>	Challenges and opportunities regarding beach litter monitoring in Norway: Lessons learned from three different datasets. Marthe Larsen Haarr , <i>Salt Lofoten AS</i>	Marine litter on the seafloor around Iceland: Analyzing seafloor images from benthic habitat mapping in 2004-2019. Petrún Sigurðardóttir , <i>Marine and Freshwater Research Institute</i>
1445-1530	Panel discussions	Panel discussions	Panel discussions
1530-1600	Coffee break		
1600-1700	PLENARY: Summary of THEMES 1, 2 AND 3 <i>Messages from science to governments, industry, public and the global INC process?</i>		
1700-1900	Reception hosted by the Icelandic Government		

23rd November 2023

Three parallel sessions on thematic discussions

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<p>0830-1230</p>	<p>THEME 4: Impacts of marine litter in the Arctic (environmental, economic and social). Moderator: Kristian Jensen, Communications and Program Consultant, Loforådet</p>	<p>THEME 5: Arctic challenges and solutions for improved waste management. Moderator: Hildur Hauksdóttir, Sustainability Officer, Fisheries Iceland</p>	<p>THEME 6: Tackling plastic pollution: international collaboration, policies, best practices and novel developments from around the world. Moderator: Josephine Nymand, Head of Department, Greenland Institute of Natural Resources</p>
<p>0830-0845</p>	<p>Keynote speaker: Lisa Qiluqqi Koperqualuk, ICC Canada President (TBC)</p>	<p>Keynote speaker: Jenna Jambeck, University of Georgia (TBC)</p>	<p>Keynote speaker: Sarah Da Silva, ECCC Canada (TBC)</p>
<p>0845-0900</p>	<p>Development of a decision matrix for coastal litter clean-ups in Norway. Jannike Falk-Andersson, Norsk Institutt for Vannforskning</p>	<p>Microplastic in gravity-driven membrane filtration for cold climate decentralized wastewater treatment: fouling analysis and water quality investigation. Selina Hube, University of Iceland - Faculty of Civil and Environmental Engineering</p>	<p>FAO global efforts to prevent and reduce ALDFG. Haraldur Einarsson, Fishing Technology and operations team (NFIFO)/ Food and Agriculture Organization of the United Nations (FAO) TBC</p>
<p>0900-0915</p>	<p>Social perspectives on plastic pollution. Example from northern Norway. Christina Koch, Vårt Hav. Troms og Finnmark/ Naturvernforbundet i Finnmark</p>	<p>Net cuttings waste from fishing: developing best practices in the fishing industry. Ryan d’Arcy Metcalfe, KIMO International</p>	<p>A marine plastic cloud - Global oceanic plastic pollution mass balance in relation to the Arctic. Thomas Maes, GRID-Arendal/SEAMOHT</p>

0915-0930	<p>Benthic organisms in Arctic ecosystems: presence and effects of nanoparticles in the context of single and multiple stressors. Charlotte Carrier-Belleau, <i>Laval university and University College Dublin</i></p>	<p>Occurrence of microplastics in the subarctic waters near a wastewater treatment plant in Reykjavík, Iceland. Ásta Margrét Ásmundsdóttir, <i>University of Akureyri, Iceland</i></p>	<p>Plastics in dental care clinics and growing concerns about the environmental impact. Ásbjörn Jokstad, <i>UiT The Arctic University of Norway</i></p>
0930-0945	<p>Plastic pollution in Norwegian coastal soils affect microbial diversity and soil gas composition. Gunhild Bødtker, <i>NORCE</i></p>	<p>Novel bio-inspired alternatives to plastic packaging Arctic fisheries. Philippe Amstislavski, <i>University of Alaska Anchorage</i></p>	<p>The Arctic on a global scale: influence of Arctic States within the ongoing global plastic treaty negotiations. Emily Cowan, <i>SINTEF Ocean</i></p>
0945-1000	<p>Characteristics of microplastic particles that influence atmospheric deposition in remote regions. Sidney Fox, <i>Reykjavik University</i></p>	<p>Plastics: From wishcycling to recycling. Audrey Matthews, <i>University of Akureyri</i></p>	<p>Fighting marine litter in the Arctic: How to engage tourists. Julia Hager, <i>mountain2ocean & PolarJournal</i></p>
1000-1030	Coffee break		
1030-1045	<p>Educating our future Arctic plastics researchers. Matthew Johnson, <i>Volatus Aerospace</i></p>	<p>Marine debris from wastewater outfalls. Jake Thompson, <i>University Centre of the Westfjords / Háskólaþing Vestfirðna</i></p>	<p>Raising awareness of marine litter and engaging international partners through the Arctic cleanup. Kristina Tirman, <i>Ocean Conservancy</i></p>

1045-1100	<p>A spatiotemporal analysis of plastic ingestion in Canadian Arctic-breeding northern fulmars (<i>Fulmarus glacialis</i>). Kristine Hanifen, <i>Acadia University</i></p>	<p>Blurred interface: How lack of coordination between governance levels obstructs waste management in fishing harbors. The case of Tromsø. Anne Gaspers, <i>SINTEF Ocean</i></p>	<p>Clean Up Iceland: The expedition cruise industry's efforts to clean Icelandic shorelines. Gyða Guðmundsdóttir, <i>Association of Arctic Expedition Cruise Operators (AECO)</i></p>
1100-1115	<p>Clean-up Norway Svalbard. Snorre Sklet, <i>SALT</i></p>	<p>Creative Solutions for Marine Debris Prevention in the Arctic. Herminia Din, <i>University of Alaska, Anchorage</i></p>	<p>Developing a solid policy framework for plastic pollution and waste management in the Arctic through multi-stakeholder co-creation - Implications for national and international policymakers and indigenous groups. Dimitris Symeonidis, <i>Afforest4Future</i></p>
1115-1130	<p>Including local voices in the marine debris conversation to advance environmental justice for island and coastal communities: Perspectives from St. Paul Island, Alaska. Veronica Padula, <i>Seattle Aquarium TBC</i></p>	<p>Bringing value to marine waste. Øistein Aleksandersen, <i>Nofir</i></p>	<p>Experience and challenges through development of Rent Hav. Ann-Helen Ernstsen, <i>The Norwegian center against marine litter</i></p>
1130-1145	<p>Marine litter in the Arctic: Results from three years of citizen science, Malin Dahl, <i>Keep Norway Beautiful</i></p>	<p>Challenges in addressing ALDFG : A focus on Korea's adoption of a deposit refund system for fishing gear. Yoonjung Lee, <i>Korea Maritime Institute</i></p>	<p>"Valuation of nature" as a tool to reduce (the impact of) plastic pollution. Gunn-Britt Retter, <i>Saami Council</i></p>

1145-1230	Panel discussions	Panel discussions	Panel discussions
1230-1330	LUNCH		
1330-1800	PLENARY		
1330-1430	<p>PLENARY: Summary of THEMES 4, 5 AND 6 <i>Messages from science to governments, industry, Public and the global INC process?</i></p>		
1430-1715	<p>PLENARY PANEL SESSIONS</p> <p>The following three plenary panel sessions will run consecutively (45 min each) and will focus on possible solutions towards reducing plastic pollution and discuss these from the Arctic perspective, considering the outcomes of the thematic symposium sessions.</p> <p><i>The organisers are contacting potential panel members and the titles may vary in the final agenda.</i></p>		
1430-1515	PLENARY PANEL I: Conserving the Arctic		
1515-1545	Coffee break		
1545-1630	PLENARY PANEL II: From Local to Global Actions		
1630-1715	PLENARY PANEL III: Innovative Plastic Pollution Reduction		
1715-1800	<p>Symposium Closing: Ministerial Panel Discussion moderated by the Prime Minister of Iceland, Ms. Katrín Jakobsdóttir</p> <p>Closing remarks: The Prime Minister of Iceland, Ms. Katrín Jakobsdóttir</p>		