

ARCTIC FRONTIERS WEBINAR

Arctic Marine Operations and Shipping: Green Initiatives and Challenges



Date: 7th of April 2021 Duration: CET: 18.00–20.00 and AKDT: 08.00–10.00 Alaskan time zone

CHAIR: Jim Gamble, Arctic Programme Director of Pacific Environment



JIM
GAMBLE



LAWSON
BRIGHAM



MORTEN
MEJLÆNDER-LARSEN



EYSTEIN
JANSEN



ARILD
MOE



HEGE
ØKLAND



MAKTUAYAQ (INUPIAQ)
MELLISA JOHNSON



SIAN
PRIOR

ORGANIZERS:

Academia Europaea Bergen, Pacific Environment,
The University of Bergen and Arctic Frontiers



Abstract: Major economies aim to be carbon neutral by 2050. Such an ambition implies an almost full transition away from using fossil fuels to power the transport sector, including maritime transport. How will the maritime Arctic be influenced by global responses to climate change? The webinar addresses maritime transport in the Arctic and will provide insights into a complex set of issues: the Arctic's policy framework for marine safety and environmental protection; indigenous and conservation perspectives; green ship technology; marine infrastructure; and, what measures are needed to make Arctic marine operations and shipping more sustainable.

Organizers: [Academia Europaea Bergen Knowledge Hub](#), [Pacific Environment](#), [The University of Bergen](#) and [Arctic Frontiers](#)

- *Chair:* **Jim Gamble**, Arctic Programme Director of Pacific Environment
- *Moderator:* **Eystein Jansen**, Professor at the University of Bergen, the Bjerknes Centre for Climate Research and Academic Director of Academia Europaea Bergen Knowledge Hub

Program: The program includes two keynotes followed by a moderated panel-debate with keynote speakers and panelists. The panelists will all give brief introductions between the keynotes and the debate. There will be opportunities for registered participants to ask questions in the debate by chat.

Participation: The webinar is free and open to all. But participation requires registration. Before the Webinar starts you must register and log in to the Arctic Frontiers conference platform.

Keynotes:

- **Lawson Brigham**, Wilson Fellow, [Polar Institute of the Wilson Center](#)
Challenges and policies for Arctic marine operations & shipping (20 minutes)
- **Morten Mejlænder-Larsen**, Director of Arctic Operations and Technology, [DNV](#)
The green transition for arctic shipping (20 minutes)

Panelists:

- **Hege Økland**, CEO at [Maritime CleanTech](#)
Green global shipping, status on technological aspects (5-7 minutes introduction)
- **Arild Moe**, Senior Research Fellow, [The Fridtjof Nansen Institute](#)
Russian Arctic Shipping: Commercial and political drivers (5-7 minutes introduction)
- **Mellisa Johnson**, Executive Director, [Bering Sea Elders Group](#),
Community perspectives on Arctic shipping (5-7 minutes introduction)
- **Sian Prior**, Lead Advisor to the [Clean Arctic Alliance](#),
Sustainable Arctic Shipping – priorities from an environmental group perspective (5-7 minutes introduction)



Lawson Brigham is a Wilson Fellow in the [Polar Institute of the Wilson Center](#) in Washington, DC. He is a researcher at the University of Alaska Fairbanks and a Fellow at the U.S. Coast Guard Academy's Center for Arctic Study & Policy. Captain Brigham was a career Coast Guard officer and commanded four ships including the icebreaker Polar Sea on Arctic & Antarctic expeditions. During 2004-09 he was chair of the Arctic Council's Arctic Marine Shipping Assessment. He is a graduate of the Coast Guard Academy and earned his PhD at Cambridge University. Dr. Brigham is a member of the National Academies Polar Research Board and is a Council on Foreign Relations member. His research interests have focused on the Russian maritime Arctic, environmental change, polar marine transportation, and polar geopolitics.



Morten Mejlænder-Larsen is responsible for Arctic Operations and Technology in [DNV](#) Maritime Classification. Mr. Mejlænder-Larsen has more than 35 years of broad experience within different technical areas in DNV. For the last fifteen years, he has been responsible for the Arctic activity and the implementation and approval of the IMO Polar Code in DNV and contributed to the development of rules and regulations for ships intended for polar operations.



Arild Moe is a research professor at the [Fridtjof Nansen Institute](#) in Norway. He has a Cand. polit. degree from the University of Oslo where he studied political science, Russian language and public law. Most of his research has been devoted to Russia, especially the energy sector and energy politics. Starting with participation in the International Northern Sea Route Programme (INSROP) he has conducted studies related to Arctic shipping, with emphasis on political and economic conditions for navigation on the Northern Sea Route. He is currently engaged in a research project on consequences of climate change for economic development in Russia's Arctic.



Hege Økland has since 2011 been CEO of [NCE Maritime CleanTech](#), - a world-leading cluster for clean maritime solutions with 130 partner companies. The cluster was initiated and further developed under Økland's management and is now a Norwegian Centre of Expertise, a governmental program for the most growth oriented and dynamic clusters in Norway. The cluster is also certified with the "Cluster Management Excellence Label GOLD" of the European Cluster Excellence Initiative. She holds a Master of Sciences in Business and Economics from Copenhagen Business School and a bachelor's degree from BI Norwegian Business School. In 2018 she was awarded the WISTA Leadership Award 2018 by WISTA Norway. She received the award in recognition of her dedicated and relentless work in building up the clean tech cluster that has laid the fundament for many Norwegian clean-tech concepts and innovative solutions.



Eystein Jansen holds a PhD in Earth Science from [the University of Bergen](#) where he since 1993 is professor of palaeoclimatology. Jansen was the founding director of the [Bjerknes Centre for Climate Research](#), which he led for 13 years. Jansen is presently Academic Director for the [Academia Europaea Bergen Knowledge Hub](#) and is vice director for the interdisciplinary SapienCE Centre, on Early Sapiens behaviour at the University of Bergen. Jansen is a member of the Scientific Council of the European research Council (ERC), Academia Europaea, the Norwegian Academy of Science and Letters, The Norwegian Academy of Technological Sciences and the Norwegian Scientific Academy for Polar Research. Jansen was in 2019 awarded the Brøgger prize and the Meltzer prize for excellence in research. His research has primarily dealt with the influence of changes in ocean circulation on climate and on natural climate changes of the past and present.



Maktuayaq (Inupiaq) "**Mellisa Johnson**" originally from the community of Nome, Alaska, is the Executive Director of [Bering Sea Elders Group](#) (BSEG). Mellisa has a strong passion for protecting, respecting, and maintaining traditional ways of life which began in Nome, Alaska with her grandparents. Her upbringing with her grandparents and many other Elders, along with inspiration from her three children, drives Mellisa to work to revitalize and promote different cultural aspects of life, from arts and crafts to traditional food preparation and from land and sea preservation to language revitalization. Mellisa is passionate and motivated to advocate, educate, and share with others the importance of preserving and maintaining Indigenous ways of life for the Bering Sea region of Alaska.



Sian Prior - Dr Sian Prior is Lead Adviser to the [Clean Arctic Alliance](#), a coalition of 21 non-profit groups campaigning to prohibit the use and carriage of heavy fuel oil (HFO) as fuel in the Arctic and to reduce black carbon emissions from Arctic shipping. Sian focuses on interpreting marine science to support conservation and management policy and advocacy. Priority areas of work include ocean governance and ecosystem-based management in relationship to shipping and offshore industries, marine protected areas and fisheries management. She advises on polar shipping and in particular on the development of a legally binding Polar Code. She has over 25 years of experience of contributing to a variety of international marine management and conservation frameworks including the International Maritime Organization.



Jim Gamble is the Arctic Program Director for [Pacific Environment](#), a California based NGO with offices in San Francisco, Anchorage, and Guangzhou, China. He has worked extensively in international policy making with an emphasis on ensuring that the voices of Indigenous communities and organizations are heard at all levels. He is deeply involved in the Clean Arctic Alliance for an HFO free Arctic, the Clean Up Carnival campaign, and pushing for aggressive reductions in greenhouse gases and black carbon emissions at the IMO. Jim previously served as the Executive Director of the Aleut International Association (AIA), an Indigenous Permanent Participant organization at the Arctic Council, where he advocated for community involvement, shaped rules and best practices for clean shipping and environmental protection, and forged a first of its kind project collaboration between AIA and the Korea Maritime Institute. Jim is also a Senior Fellow with the Institute of the North, and serves on the Board of Directors of The Arctic Institute, and Arctic 360.