



PAME I-2018

FEBRUARY 11-14
QUEBEC CITY - CANADA

WORKING GROUP MEETING REPORT

PAME

Protection of the Arctic Marine Environment

PAME I-2018 MEETING REPORT

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PAME I-2018 meeting participants. Photo: Tracey Braun



RECORD OF DECISIONS AND FOLLOW-UP ACTIONS

PAME I-2018 (12-14 February 2018)

Québec City, Canada

Opening of the Meeting

PAME thanks Canada for hosting this Meeting and notes with appreciation the welcoming remarks from Mr. Vincent Royer, Director, Quebec Ministry of International Relations and the Francophonie.

Information and various updates (Agenda Item 3)

PAME takes note of:

- *Outcomes from the SAO Meeting in October 2017 and preparations for the upcoming SAO Meeting 21-23 March 2018 as summarized by the Vice-Chair, Elizabeth McLanahan and PAME Chair, Renée Sauvé;*
- *Contributions on the Task Force on Arctic Marine Cooperation (TFAMC), jointly submitted by all Arctic Council working group chairs on the 15th of December 2017 as summarized by the PAME Chair, Renée Sauvé;*
- *Update on the preparations of the Arctic Biodiversity Congress (9-11 Oct 2018) by the CAFF Executive Secretary, Tom Barry;*
- *The draft PAME contributions (version 8 Feb. 2018) to the Arctic Council's Environment Ministerial meeting (11-12 Oct 2018) and decides to the following timeline:*
 - *The leads on respective PAME activities to review and revise its sections based on the discussions at PAME I-2018 and send comments to the PAME Chair and Secretariat by 23rd of February 2018.*
 - *The PAME Chair and Secretariat to submit the revised draft to the Finnish Chairmanship by end of February 2018.*
 - *Additional input on coordination and collaboration may be added to PAMEs contributions following discussions among the working group chairs and executive secretaries at their meeting back-to-back with the upcoming SAO meeting. Revised PAME contributions will be sent to the Finnish Chairmanship by end of March 2018.*
- *Update on the Arctic Resilience Forum scheduled for September 2018 in Helsinki by the SDWG HoD from Canada, Sarah Cox;*

- *Update on the Arctic High Seas Fisheries Agreement as summarized by the PAME HoD from Canada, Maya Gold; and*
- *Contributions to the IALA Seminar on Arctic Navigation (9-10 Nov 2017) by Siv Christin Gaalaas/Norway and the EPPR working group meeting (5-7 Dec 2017) by Karin Wall/Sweden.*

PAME thanks the representative of the UK, Mr. Dominic Pattinson for his presentation on UK's Arctic interests, in particular regarding Marine Protected Areas and Marine Litter.

PAME requests the Secretariat to invite an Observer representative to make a presentation at PAME II -2018 on Arctic priorities and activities of relevance to PAMEs work plan activities.

Framework for a Pan-Arctic Network of Marine Protected Areas (MPAs) (Agenda item 4)

PAME thanks Sweden and Finland for their overview of the final Report from the 3rd PAME MPA workshop on MPAs, climate change and ocean acidification in Helsinki, Finland in September 2017.

PAME thanks Canada and ICC for the update on the 4th PAME MPA workshop to focus on Indigenous Involvement in, and Indigenous Led, Marine Protection in the Circumpolar Arctic Ocean, scheduled for the week of November 26th 2018, and welcomes expressions of interest from additional members to join the planning committee.

PAME requests its members review the workshop proposal for the 4th PAME MPA workshop and provide comments by March 1st 2018.

PAME thanks ICC for its presentation on the Pikialasorsuaq Commission's work.

PAME appreciates Finland's draft proposal for an Arctic Marine Climate Change Impact Fact Sheet and proposes the following next steps:

- *PAME Secretariat to facilitate a discussion at the March Working Group Chairs' meeting regarding idea to develop fact sheet(s) and how to collaborate and coordinate across Working Groups.*
- *Based on outcomes of the Working Group Chairs' meeting, PAME Project Proposer(s) to draft proposal in cooperation with other relevant Working Groups with the goal of developing a joint Working Group proposal to be made available in advance of Fall 2018 Working Group meetings.*
- *PAME Secretariat, in cooperation with other Working Group Secretariats, to coordinate submission and presentation of a joint proposal to Fall 2018 SAO Meeting.*
- *PAME Project Proposer(s) to update PAME on progress at PAME II-2018.*
- *PAME Secretariat to coordinate with other relevant Working Group Secretariats on the identification of potential funding opportunities and development of draft funding proposals, as appropriate.*

PAME appreciates the United States' draft outline for a session on the Arctic Council's marine protected area networks work at the 2nd Arctic Biodiversity Congress, decides to coordinate with CAFF on finalizing a proposal before the March 30th 2018 deadline, and suggests the following timeline:

- *Draft proposal circulated to PAME in coordination with CAFF representatives by Wednesday, February 28th 2018 for review and comment by Wednesday, March 14th 2018.*
- *Proposal finalized and submitted to CAFF by Friday, March 30th 2018.*

PAME requests the PAME and CAFF Secretariats to work together and liaise with UN Environment Programme on the planned work to update the Arctic Protected Areas Indicator Report and circulate the updated report to PAME for review when available.

PAME requests the PAME and CAFF Secretariats to work together and produce an overview of recommendations from the Arctic Council that relate to marine protected areas and the actions taken in response.

PAME invites members to utilize the MPA EG action table as a reference in developing project proposals for the 2019-2021 work cycle at PAME II-2018.

Protection from Invasive Species (Agenda item 5)

PAME thanks the United States for its summary on the Coastal Monitoring of Arctic Invasive Alien Species draft report and proposes the following next steps:

- *Draft report circulated to survey responders by Friday, February 23rd 2018 for initial review and comment by Friday, March 16th 2018.*
- *Additional community based monitoring examples from PAME members accepted through March 16th 2018.*
- *Revised final draft circulated to the PAME-CAFF Joint Coordination Group by Friday March 23rd 2018 for review and final comment by Friday, April 20th 2018.*
- *Revised final report made available to the PAME-CAFF Joint Coordination Group as background information by Wednesday, May 9th 2018.*

PAME agrees to CAFF's proposal to form a Joint Coordination Group to guide implementation of ARIAS and provide recommendations to the CAFF and PAME Working Groups regarding potential implementation actions and progress on activities, and will submit a name for PAME representative to co-chair the Joint Coordination Group by March 8th 2018.

PAME invites Member States and Permanent Participant to submit 1-2 experts to serve in the Joint Coordination Group by March 8th 2018 and invites Observers to participate.

PAME requests the PAME Secretariat to liaise with the CAFF Secretariat on facilitating the development of the Joint Coordination Group.

Arctic Marine Shipping Assessment (Agenda Item 6)

AMSA I (A) - Linking with International Organizations

PAME thanks Professor Aldo Chircop, Chair of the International Working Group of the Comité Maritime International, for his presentation on CMI's Arctic shipping related activities.

PAME thanks Martin Fournier, Executive Director of the St. Lawrence Shipoperators, for his presentation on shipping in the Canadian Arctic.

PAME thanks Kelvin Murray, Director of Expedition Operations, EYOS Expeditions, for his presentation on cruise ship, yacht and pleasure craft operations in the Arctic.

PAME thanks Hanne Sagen of the scientific steering committee of the International Quiet Ocean Experiment (IQOE) Working Group on Arctic Acoustic Environments for her presentation on anthropogenic underwater noise in the Arctic and its impact on living marine resources.

PAME approves the Arctic Shipping Best Practice Information Forum's Methods of Operations and Eligibility Criteria for Information to be posted to the Web Portal. In addition:

- *PAME invites Forum participants to submit information relevant to the implementation of the Polar Code for posting to the Forum's web portal as soon as possible to facilitate the proposed launch of that web portal in May 2018;*
- *PAME notes that the next Forum meeting is scheduled in conjunction with the 99th Session of the IMO Maritime Safety Committee (MSC) meeting, 14-15 May 2018; and*
- *PAME instructs the Chair of the Forum and the SEG Co-Chairs to provide a status report on the Forum at PAME II-2018.*

PAME thanks the Arctic Regional Hydrographic Commission (ARHC) for its letter to the PAME Chair of 31 January 2018. In particular, PAME is appreciative of the ARHC's support for the Arctic Shipping Best Practice Information Forum and its continuing desire to partner with PAME on projects for the promotion of safe navigation and marine environmental protection in the Arctic.

AMSA I (B) - IMO Measures for Arctic Shipping

HFO Phase IV (b) – Collect, Report and/or Review Information about On-Shore use by Indigenous Peoples and Local Communities of HFO – PAME approves the draft field survey developed by the USA/AIA/CCU and invites its translation and distribution as soon as practicable via the Permanent Participant's to indigenous and local communities after approval by SDWG. PAME advises that a layperson definition of HFO be appended to the survey. The project co-leads anticipate compiling and synthesizing the responses in a draft report to be submitted to PAME II-2018 and the second SDWG meeting of 2018.

HFO Phase IV (d) – Explore the Environmental, Economic, Technical and Practical Aspects of the use by Ships in the Arctic of Alternative Fuels – PAME thanks the consultants retained by Norway for their presentation on the environmental, economic, technical and practical aspects of the use by ships in the Arctic of alternative fuels and agree to report on status at PAME II-2018.

PAME invites ACAP, AMAP and the Expert Group on Black Carbon and Methane to submit to PAME a summary of their work related to black carbon, especially as it pertains to shipping.

PAME provisionally approves the Polar Code information brochure prepared by Finland and the Russian Federation and requests that PAME members submit any final comments they may have by 15 March 2018. The co-leads are requested to revise the brochure by 30 March 2018 and circulate it to member governments for final intercessional approval by 6 April 2018.

PAME invites Finland and the Russian Federation to further develop the project proposal on the Harmonized Implementation of the Polar Code.

PAME welcomes the 'International Conference on Harmonized Implementation of the Polar Code' organized by Finland in Helsinki on 22 February 2018.

PAME encourages Arctic States and Observer States to continue to work towards a harmonized and effective implementation of the Polar Code. PAME additionally invites Arctic States and Observer States to pursue a Polar Code Concentrated Inspection Campaign in the Paris MoU on Port State Control and Tokyo MoU on Port State Control.

PAME invites its Arctic States and Observer States to submit to PAME II-2018 information on Polar Ship Certificates that have been issued by or on behalf of their maritime administrations.

AMSA I (C) - Uniformity of Arctic Shipping Governance

PAME approves the joint project with EPPR on Safe and Low Impact Shipping Corridors proposal and welcomes PAME members to identify a point of contact to the project leads by March 15th 2018.

Theme II: Protecting Arctic People and the Environment

AMSA II (D) – Specially Designated Arctic Marine Areas

PAME invites member government IMO contact points to continue to work intersessionally to follow up on MEPC 72/16 Regional Reception Facilities Plan (RRFP) – Outline and Planning Guide for the Arctic. PAME invites Observers that are members of or have consultative status in the IMO to consider document MEPC 72/16 and voice their support as appropriate. PAME invites Arctic States to review and update the IMO's GISIS Database with respect to information on their Arctic port reception facilities.

AMSA II (G) – Addressing Impacts on Marine Mammals

PAME approves the Canada/WWF proposal: Underwater Noise in the Arctic State of Knowledge Report. PAME welcomes OSPAR's offer to co-lead the project and invites PAME members to identify project points of contact by 15 March 2018. PAME also invites the project co-leads to identify and recommend next steps in the final report. REDEG expressed interest in contributing to the project.

Theme III: Building the Arctic Marine Infrastructure

AMSA III (B) – Arctic Marine Traffic Systems

PAME welcomes the progress made in operationalizing the Arctic Ship Traffic Data (ASTD) Project. PAME invites member governments by 15 March 2018 to identify or update project points of contact. PAME notes that the ASTD Expert Group is planning a workshop prior to PAME II-2018.

PAME invites all members to submit by 1 April any available information on ship accidents in the Arctic since 2005 to the joint PAME/EPPR Compendium of Arctic Ship Accidents (CASA) project. PAME invites the US to provide an update of the project to the PAME SEG at PAME II-2018.

PAME welcomes the invitation by EPPR to attend their next working group meeting in Helsinki 5-7 June 2018 and present on the ASTD system.

Update on PAME's shipping priorities and recommendations

PAME invites all its members to review and submit comments to the PAME Secretariat on the revised draft AMSA update/refresh project matrix by 1 June 2018. PAME requests its Secretariat to invite the Chairs and Executive Secretariats of all other Arctic Council Working Groups and Task Forces to provide input to the PAME Secretariat on the revised draft matrix as soon as practicable. PAME invites the US and Canada to address all comments received and submits to PAME II-2018 a further refined draft matrix for consideration and decision as to next steps.

Engagement of Observers in PAME's shipping-related activities

PAME thanks those Observers who submitted responses to the questions developed for the project on "Developing and Approach/Framework for more Systematically Engaging with Observers on PAME's Shipping Related Work" and encourages all Observers who have not submitted information to do so. PAME invites the project co-leads to submit to PAME II-2018 a report summarizing all responses received and next steps for the project, including a possible dedicated workshop to take place in 2019.

Other shipping-related items

PAME thanks the Republic of Korea for inviting PAME Shipping Expert Group representatives to participate in and present at Korea's second Arctic Partnership Week (12-15 December, 2017).

PAME requests the Secretariat to invite a representative of the Russian National Chamber of Shipping to make a presentation on Arctic shipping during the PAME II-2018 SEG pre-meeting.

PAME invites all of its members to submit to PAME II-2018 draft shipping related project proposals for potential inclusion in PAME's 2019-2021 Work Plan. In so doing, PAME requests its members to ensure that project proposals are consistent with and advance the Arctic Marine Strategic Plan (2015-2025), the AOR Final Report (2013), and/or the AMSA (2009). PAME also requests that members explore joint working group opportunities and remain mindful of focusing PAME's shipping related work on the highest priority issues.

Arctic Offshore Resource Exploration and Development (Agenda item 7)

PAME notes the update and presentation of the Meaningful Engagement of Indigenous Peoples and Communities in Marine Activities project (MEMA) Part II. Project co-leads have significantly expanded the database, and presented a preliminary timeline and table of contents for the final report.

Project co-leads note the draft MEMA report Part II will be distributed to PAME for review and comment on May 1, 2018 with comments due by June 29th 2018. Project co-leads will revise and distribute to PAME 30 days in advance of PAME II-2018.

PAME requests MEMA co-leads to clarify timelines for additional input and discussions in Fall 2018 prior to PAME II 2018.

PAME requests MEMA project co-leads to consider options for future project outputs beyond the report and executive summary, which may include an information handbook.

PAME acknowledges the comments from Members on the “Obligations for Engagement” section. Project Co-leads will consider these comments at their next meeting on February 22, 2018. Any additional comments on this section are requested by February 19, 2018.

PAME welcomes the Co-leads plans to engage in broader indigenous outreach, including in Russia. In support, the Arctic Council Secretariat offered to assist by providing Russian translation of the Executive Summary and Table of Contents of the full report.

PAME notes the co-leads initial discussion with SDWG and others regarding project follow-up for future use of MEMA products.

PAME thanks Gwenaëlle Le Gurun for her presentation on behalf of the International Seabed Authority (ISBA). PAME notes the relevance of the evolving work of the ISBA in particular the development of Regional Environmental Management Plans (REMP) and draft regulations on exploitation of mineral resources in the Area.

PAME intends to continue to focus on information gathering including future presentations on offshore renewable energy, noise from activities, and mining activities that can affect the marine environment, to inform possible future work.

PAME thanks Finland for their update on the Arctic EIA project and looks forward to receiving EIA workshop outcomes. REDEG noted the importance of involving indigenous peoples early in the process, developing trust, and building relationships for successful and meaningful engagement.

Ecosystem Approach to Management (Agenda item 8)

PAME acknowledges that the development of EA guidelines was discussed at the 6th EA workshop in Seattle, 9-11 January 2018. PAME welcomes the presentation on the status of this work and agrees to next steps of developing guidelines for implementing the ecosystem approach (EA) to management in the Arctic following the six-element EA framework according to the timeline:

- *A first set of draft guidelines, based on the outcome from the 6th EA workshop, will be prepared by the co-leads in consultations with members of the EA-EG and circulated to all relevant WGs (AMAP, CAFF, PAME and SDWG) at least 30 days before their fall 2018 meetings.*
- *A draft outline for a session on the EA draft guidelines at the 2nd Arctic Biodiversity Congress in Rovaniemi, Finland, in 9-11 October 2018 to be submitted by the March 30th deadline. In addition, draft guidelines will be circulated to all relevant session leads for incorporation into session actions, if desired by session chairs.*
- *A draft final set of guidelines will be prepared by EA-EG co-leads and members based on comments from WGs and on the outcome of the Congress and circulated to all relevant WGs on November 1, 2018 to receive their feedback by December 1, 2018.*
- *Revised final draft guidelines will be circulated to all relevant WGs (AMAP, CAFF, PAME and SDWG) 30 days before their first 2019 meetings with the aim to present them to PAME I-2019 for finalization and approval.*

PAME welcomes the draft report from the PAME (Joint EA-EG)/ICES 6th EA Workshop on Ecosystem Approach guidelines and Integrated Ecosystem Assessment held in Seattle 9-11 January 2018, and notes the conclusions and identified next steps.

PAME decided to postpone a 2nd EA conference to sometime later in 2019 in the period of the Icelandic chairmanship. PAME invites the Ecosystem Approach expert group (EA-EG) to present plans for the conference for consideration at PAME II-2018.

PAME welcomes the report on the work of the ICES/PICES/PAME Working Group on Integrated Ecosystem Assessment in the Central Arctic Ocean (WGICA) and notes the next meeting to be held in St. John's, Newfoundland, Canada, 24-26 April 2018.

PAME welcomes efforts to strengthen the communication between the EA-EG co-chairs and the relevant working groups by attending their respective working group meetings for outreach purposes and inform about progress, status and seek inputs, as relevant.

Desktop Study on Marine Litter, including Microplastics, in the Arctic (Agenda item 9)

PAME welcomes the update and presentation on the marine litter project by the five co-leads (Iceland, Norway, Sweden, AIA and OSPAR).

PAME invites its members to provide comments on the outline of the desktop study, draft programme for the marine litter workshop and communication material by 26th of February 2018.

PAME welcomes the following timeline for the project:

- *June 2018: Convening of a marine litter workshop to seek input to the desktop study*
- *End of June 2018: Marine litter co-leads to send out a revised version of the desktop study including the initial draft recommendations to PAME for comments by 10th of August 2018*
- *Mid-August 2018 (or 30 days prior to PAME II-2018): Marine litter co-leads to revise the desktop study and submit in advance of the PAME II-2018 meeting to include revised draft recommendations on next steps as a part of the PAMEs future work plan developments.*
- *December 2018: Final draft desktop study distributed in advance of the PAME I-2019.*
- *February 2019: Approval at PAME I-2019*
- *March 2019: Approval by SAOs*
- *May 2019: Approval by Ministers*

PAME requests that the projects co-leads work closely with other Arctic Council working groups, in particular ACAP, AMAP, CAFF, and SDWG and encourages active engagement with relevant experts, observers and international organizations.

PAME Administration and Next Meeting

PAME requests its Chair/Vice-Chair to contribute to the upcoming SAO meeting 21-23 March 2018 and the observer session on 21 March 2018, in addition to submitting a 2-pager PAME progress report as requested by the Arctic Council Chairmanship.

PAME invites its delegations to include experts on shipping, oil and gas/resource exploration and development, ecosystem approach, MPA, marine litter and invasive species in their delegations to the PAME II-2018 meeting.

PAME thanks the PAME expert groups for their excellent work, both intersessionally and during the meeting.

PAME requests the Secretariat to send out the current list of nominated experts in PAME's expert groups and urges PAME members and other Arctic Council working groups to update their nominated experts by 31st of March 2018.

PAME Chair to inform its HoDs and PPs on requests to present on PAME's works in other fora and make best efforts to share the presentation in advance to allow an opportunity for comments/inputs.

PAME thanks the Russian Federation for their offer to host the PAME II-2018 meeting, in Vladivostok in September 2018. Suggested dates for delegations to consider are in late September (to be confirmed) to meet the 30 day deadline prior to SAO meetings (31 October-2 November 2018).

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	Family name	First name	Department / Ministry	Country / Organization	E-mail
PAME Chair/Secretariat					
1	Sauvé	Renée	Fisheries and Oceans Canada - PAME Chair	Canada	renee.sauve@dfo-mpo.gc.ca
2	Guðmundsdótti	Soffía	PAME Secretariat - Executive Secretary	Iceland	pame@pame.is
3	Hreinsson	Hjalti	PAME Secretariat	Iceland	hjalti@pame.is
4	Pálsdóttir	Olga	PAME Secretariat	Iceland	olga@pame.is
Canada					
5	Gold	Maya	Fisheries and Oceans Canada	Canada	maya.gold@dfo-mpo.gc.ca
6	Araujo	Ana Maria	Global Affairs Canada	Canada	anamaria.araujo@international.gc.ca
7	Fraser	Drummond	Transport Canada	Canada	drummond.fraser@tc.gc.ca
8	Knapp	Kevin	Fisheries and Oceans Canada	Canada	Kevin.Knapp@dfo-mpo.gc.ca
9	Schroeder	Bethany	Central and Arctic Region, Fisheries and Oceans Canada	Canada	Bethany.Schroeder@dfo-mpo.gc.ca
10	Gravel	Caroline	Transport Canada	Canada	caroline.gravel@tc.gc.ca
11	Copley	Maureen	Crown – Indigenous Relations and Northern Affairs (formerly INAC)	Canada	maureen.copley@canada.ca
12	Da Silva	Sarah	Environment and Climate Change Canada	Canada	sarah.dasilva@canada.ca
13	Brooks	Robert	Canadian Coast Guard	Canada	Robert.Brooks@dfo-mpo.gc.ca
Kingdom of Denmark					
14	Klinggaard	Thomas Behrendt	Ministry of Environment and Food of Denmark	Kingdom of Denmark	thobk@mst.dk
15	Sørensen	Pernille Palmelund	Danish Maritime Authority	Kingdom of Denmark	pps@dma.dk
16	Thaulow	Inge	Ministry of Nature and Environment, Government of Greenland	Greenland	inth@ghsdk.dk
17	Í Dali	Birita	Ministry of Mineral Resources	Greenland	bdal@nanoq.gl
18	Trykker	Signe	Ministry of Nature and Environment	Greenland	siek@nanoq.gl
19	Dahl	Anna Borg	Ministry of Foreign affairs and Trade	Faroe Islands	annaborgd@uvmr.fo
20	Christensen	Tom	Aarhus University	Kingdom of Denmark	toch@bios.au.dk

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	Family name	First name	Department / Ministry	Country / Organization	E-mail
Finland					
21	Makinen	Anita	Finnish Transport Safety Agency	Finland	anita.makinen@trafi.fi
22	Isokallio	Kristiina	Ministry of the Environment	Finland	kristiina.isokallio@ym.fi
23	Kaartokallio	Hermann	Finnish Environment Institute	Finland	hermanni.kaartokallio@ymparisto.fi
24	Ekebom	Jan	Ministry of the Environment	Finland	jan.ekebom@ym.fi
25	Sarlin	Laura	Ministry of Transport and Communications	Finland	laura.sarlin@lvm.fi
26	Vuolle	Juha	Ministry of the Interior	Finland	juha.vuolle@raja.fi
27	Viljanen	Sara	Ministry of the Environment	Finland	sara.viljanen@ym.fi
Iceland					
28	Jónsdóttir	Helga	Ministry for the Environment and Natural Resources	Iceland	helga.jonsdottir@uar.is
29	Friðriksdóttir	Sigurrós	Environment Agency of Iceland	Iceland	sigurros@ust.is
30	Svandal	Sólrún	Ministry for Foreign Affairs	Iceland	sss@mfa.is
31	Björnsdóttir	Anna Margret	Icelandic Transport Authority	Iceland	annamb@samgongustofa.is
Norway					
32	Elisenberg	Anja	Ministry of Climate and Environment	Norway	ae@kld.dep.no
33	Gaalaas	Siv Christin	Norwegian Ministry of Trade, Industry and Fisheries	Norway	scg@nfd.dep.no
34	Reppe	Bjørn	Norwegian Maritime Authority	Norway	brp@sdir.no
35	Skjoldal	Hein-Rune	Institute of Marine Research, Bergen, Norway	Norway	hein.rune.skjoldal@hi.no
36	von Quillfeldt	Cecilie	Norwegian Polar Institute	Norway	cecilie.quillfeldt@npolar.no
37	Røyset	Jon-Arve	The Norwegian coastal administration	Norway	jon-arve.royset@kystverket.no
Russian Federation					
38	Kutaeva	Natalia	MRS, Ministry of transport	Russian Federation	kutavang@morspas.com
39	Yudin	Dmitri	Western Arctic Sea Ports Administration	Russian Federation	psco-ydv@mail.ru
40	Kuzmin	Vladimir	PSC St. Petersburg	Russian Federation	vladimir.e.kuzmin@gmail.com

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	Family name	First name	Department / Ministry	Country / Organization	E-mail
41	Mikhailov	Andrei	FSUE "ROSMORPORT"	Russian Federation	andymikh67@gmail.com
42	Tsyркun	Olga	Ministry of transport	Russian Federation	tsyркunoi@morflot.ru
Sweden					
43	Wall	Karin	Swedish Agency for Marine and Water Management	Sweden	karin.wall@havochvatten.se
44	Malmsten	Sofia	Swedish Transport Agency	Sweden	sofia.malmsten@transportstyrelsen.se
USA					
45	McLanahan	Elizabeth	NOAA	USA	Elizabeth.McLanahan@noaa.gov
46	Oppenheimer	Peter	NOAA	USA	peter.oppenheimer@noaa.gov
47	Stricker	Laura	NOAA	USA	laura.strickler@noaa.gov
48	Logerwell	Elizabeth	NMFS Alaska Fisheries Science Center	USA	libby.logerwell@noaa.gov
49	Condino	David	USCG	USA	capt_condino@verizon.net
50	Wenzel	Lauren	NOAA	USA	lauren.wenzel@noaa.gov
51	Dowdell	Samantha	NOAA	USA	sdowdell@rsmas.miami.edu
52	Coon	Catherine	DOI/ BOEM	USA	catherine.coon@boem.gov
53	Kauffman	Meridena	USCG	USA	Meridena.D.Kauffman@uscg.mil
54	Page	Robert	USCG	USA	Robert.b.page@uscg.mil
55	Simbulan	Michael	USCG	USA	Michael.j.simbulan@uscg.mil
Permanent Participants					
56	Pedersen	Geir Tommy	Saami Council	Norway	gtpedersen@gmail.com
57	Kanayurak	Nicole	Inuit Circumpolar Council	USA	nicole.kanayurak@gmail.com
58	Meakin	Stephanie	Inuit Circumpolar Council Canada	Canada	icc@inuitcircumpolar.com
59	Bower	Leah	Aleut International Association	USA	pame.delegate@aleut-international.org
60	Kochuten	Chantae	Aleut International Association	USA	pame.delegate@aleut-international.org

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	Family name	First name	Department / Ministry	Country / Organization	E-mail
Observers					
61	Dumbrille	Andrew	WWF-Canada	Canada	adumbrille@wwfcanada.org
62	Shestakov	Alexander	WWF Arctic Programme	Canada	ashestakov@wwfcanada.org
63	Sheard	Whit	CCU	USA	whitsheard@yahoo.com
64	Piepenburg	Dieter	Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Res	Germany	dieter.piepenburg@awi.de
65	Hennicke	Janos	Federal Agency for Nature Conservation	Germany	janos.hennicke@bfn.de
66	Mogensen	Charlotte	OSPAR	United Kingdom	charlotte.mogensen@ospar.org
67	Gamble	James	Northern Forum	USA	jgamble@institutenorth.org
68	Otsuka	Natsuhiko	Arctic Research Center/Hokkaido University/professor	Japan	natsuhiko.otsuka@arc.hokudai.ac.jp
69	Warrenchuk	Jon	Oceana	USA	jwarrenchuk@oceana.org
70	Nakamura	Takehiro	United Nations Environment Programme	Japan	takehiro.nakamura@un.org
71	Kim	Minsu	Polar Policy Research Center	Republic of Korea	guan72@kmi.re.kr
72	Pattinson	Dominic	Department for Environment, Food and Rural Affairs (DEFRA)	UK	dominic.pattinson@defra.gsi.gov.uk
73	Bock	Nikolaj	European Environment Agency (EU)	Denmark	nikolaj.bock@eea.europa.eu
74	Martinez	Carole	International Union for Conservation of Nature (IUCN)	Switzerland	Carole.MARTINEZ@iucn.org
Arctic Council Secretariat and Working Groups					
75	Iartceva	Kseniia	Arctic Council Secretariat	Norway	kseniia@arctic-council.org
76	Kroglund	Marianne	AMAP	Norway	marianne.kroglund@miljodir.no
77	Burns	Patti	ACAP/EPPR Executive Secretary	Norway	patti@arctic-council.org
78	Barry	Tom	CAFF	Iceland	tom@caff.is
79	Cox	Sarah	SDWG	Canada	sarah.cox@canada.ca
Others - Invited Experts					
80	Sagen	Hanne	Nansen Environmental and Remote Sensing Center	Norway	hanne.sagen@nersc.no

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	Family name	First name	Department / Ministry	Country / Organization	E-mail
81	Chircop	Aldo	Comite Maritime International	Canada	aldo.chircop@dal.ca
82	Murray	Kelvin	EYOS Expeditions	USA	kelvin@eyos-expeditions.com
83	Fournier	Martin	Armateurs du Saint-Laurent / St. Lawrence Shipoperators	Canada	martin.fournier@asl-sls.org
84	Kingston	Michael	Michael Kingston Associates	UK	michaelkingston@michaelkingston.org
85	Le Gurun	Gwenaëlle	Secretariat of the International Seabed Authority	France	glegurun@isa.org.jm



Protection of the Arctic Marine Environment

PAME I-2018: LIST OF DOCUMENTS**11 – 14 February 2018****Fairmont Le Château Frontenac, Quebec City, Canada**

Pre-meetings Sunday the 11th of February

Following is a list of the times of the pre-meetings.

Breakout room: Place D'Armes (ca. 25-30 persons)	Breakout room: Petit Frontenac (ca. 20-25 persons)	Breakout room: Levis (ca. 10-15 persons)
<u>10:00-17:00 (whole day)</u> Shipping Experts Group (SEG) Pre-meeting. The agenda has been posted on the password protected site.	<u>11:00-13:00</u> Ecosystem Approach Expert Group The agenda will be the items under Agenda Item 8.	
	<u>13:00-15:00</u> MPA Expert Group The agenda will be the items under Agenda Item 4.	
	<u>15:00-17:00</u> Marine Litter Expert Group The agenda will be the items under Agenda Item 9.	<u>15:00-17/18:00</u> Resource Exploration and Development Expert Group (REDEG) The agenda will be the items under Agenda Item 7.

Agenda items for the pre-meeting sessions as relevant

Pre-meetings registrations (version 7 Feb)**SEG pre meeting:**

SEG pre-meeting agenda – version 3 February 2018

Background documents:

- ✓ Joint PAME-EPPR Project to Produce a Compendium of Arctic Ship Accidents (CASA) - Project document
- ✓ SEG pre-meeting-Black Carbon report from PPR 5
- ✓ IMO Programme for meetings in 2018
- ✓ SEG pre-meeting background document on ballast water to MEPC 72-INF.7
- ✓ SARex2: Surviving maritime incident in cold climate conditions

MPA pre-meeting:

- ✓ MPA pre-meeting agenda
- ✓ DRAFT Proposal by USG for a PAME/CAFF Session at the Arctic Biodiversity Congress
- ✓ MPA pre-meeting agenda 4(a)-Annex 1: project description-Fact Sheet for NCM application
- ✓ MPA pre-meeting agenda 4(b)-US proposals
- ✓ MPA Networks Action Table

Marine litter pre-meeting:

- ✓ Marine litter pre-meeting agenda

AGENDA 2 – Introduction and Adoption of the Agenda

Draft meeting agenda with timeline (version 7 February)

AGENDA 3 – Information from the Chair and Secretariat

Agenda item 3.2: Contributions to the TFAMC

Background document:

Memo to the TFAMC by chairs of Arctic Council Working Groups (15 Dec 2017)

Agenda item 3.4:

- ✓ PAMEs contributions to the AEMM, draft 8 Feb 2018
- ✓ Annotation to agenda 3.4

Agenda item 3.5: Background documents

- ✓ ARAF Memo to the Working Groups - February 2018
- ✓ Email with the ARAF Memo 5 Feb

Agenda item 3.6: chairmans statement coming from the conclusion of the fisheries negotiations (2017)

Background documents:

PAME II-2017 RoDs

SAO Report, Oct. 2017

PAME 2017-2019 Work Plan

SAO Report to Ministers (May 2017)

2017 Fairbanks Ministerial Declaration

Finland Chairmanship Program 2017-2019

Common Operating Guidelines for Working Groups

Arctic Council Observer Manual

Arctic Council Rules of Procedures

Arctic Council Guidelines for Relationships with Outside Bodies

Report to Ministers of the Task Force on Arctic Marine Cooperation (TFAMC) - (May 2017)

AGENDA 4 – Pan-Arctic Network of Marine Protected Areas (MPAs)

Agenda item 4.1: 3rd MPA Workshop Report

Agenda item 4.2: Plans for the 4th MPA Workshop (Canada 2018)

Background documents:

- ✓ The Report of the Pikialasorsuaq Commission - Nov 2017
- ✓ PAME MPA-network toolbox: Area-based conservation measures and ecological connectivity.
- ✓ CAFF/PAME Indicator Report on Arctic Protected Areas.

- ✓ Framework for a Pan-Arctic Network of Marine Protected Areas (April 2015)
 - ✓ Capturing Knowledge Report - Pacific TNC
 - ✓ 1st and 2nd MPA Workshops Summaries-final-subject to technical edits-8 February 2018
 - 1st MPA Workshop Participant List - Final
 - 2nd MPA workshop-Participant List - Final
-

AGENDA 5 – Protection from Invasive Species

Agenda item 5.2(a):

- ✓ Memo on ARIAS implementation with CAFF

Background documents:

- ✓ CAFF/PAME Arctic Invasive Alien Species Strategy and Action Plan (ARIAS).
 - ✓ Invasive Species on the PAME website (link)
-

AGENDA 6 - Arctic Marine Shipping Assessment follow-up activities

Agenda item 6.1(a):

- ✓ Power point presentation on the CMI/IWG on Polar Shipping work. The presentation includes a brief background on the CMI.
- ✓ CMI Conventions Report
- ✓ CMI Working Paper on the legal Framework for Civil Liability for Vessel-Source Oil Spills in Polar Regions

Agenda item 6.1(c):

- ✓ Status Report on the Arctic Shipping Best Practices Information Forum by the SEG Co-Chairs
- ✓ Appendix B to Status Report: Forum Participants
- ✓ Annotation to agenda 6.1(c)

Agenda item 6.1(c)(i):

- ✓ Revised Methods of Operation (version 13 Dec. 2017)
- ✓ Revised Eligibility Criteria For Information to be Posted to the Forum's Website (version 13 Dec. 2017)

Agenda 6.1(c): Background documents:

- ✓ Forum Terms of Reference
- ✓ Draft web-portal site for Chapter 11: Voyage planning

Agenda item 6.1(d):

- ✓ Report on National Geographic Society, AOR Recommendations 3. 4 and 5, by USA
- ✓ Annotation to agenda 6.1(d)

Agenda 6.1: Background document

ARHC status report to PAME

Agenda 6.2(a)(i)

- ✓ HFO use in the Icelandic EEZ in 2016, submitted by Iceland
- ✓ Finnish ships sailing in Arctic waters and their use of HFO in 2015-2017
- ✓ Use of HFO in the Faroe Islands 2014-2016
- ✓ HFO use input from Greenland
- ✓ HFO use in the Arctic Polar Code Area by Norway

Background document:

MEPC 72-11-1 - Proposal to ban heavy fuel oil use and carriage as fuel by ships in Arctic waters (Submitted by Finland, Germany, Iceland, the Netherlands, New Zealand, Norway, Sweden and the United States).

Agenda 6.2(a)(ii)

- ✓ Draft Survey on HFO Use Phase IV(b) project

Background documents:

- ✓ HFO Indigenous Use Project Proposal by USA/AIA/CCU
- ✓ Information paper on potential use of ASTD for the project
- ✓ Summary of work undertaken by Arctic Council WG on Heavy Fuel Oil approved submission

Agenda 6.2(b)(i):

- ✓ Updated brochure on Information Campaign on the Polar Code by the Member States of the Arctic Council

Agenda 6.2(b)(ii):

Background document: Paris MoU, Port State Control Committee

Agenda 6.2(b)(iv)

- ✓ SAR exercise evaluation of the Polar Code (Norway)

Agenda 6.3

- ✓ Low Impact Corridors Proposal-final
- ✓ Annotation to Agenda item 6.3
- ✓ *Background information:* Nautical chart for recommended route for shipping into Nuuk, Greenland

Agenda 6.6

- ✓ Status of the MEPC-72 Submission to IMO on the concept of RRFP, submitted by Russia and USA
- ✓ Agenda 6.6 MEPC 72-16 - Regional Reception Facilities Plan (RRFP)
- ✓ Annotation to agenda 6.6

Agenda 6.7(a)

- ✓ Canadian/WWF Proposal: Underwater Noise in the Arctic State of Knowledge Report

Background document:

- Implementation of Instruments and related matters: Application of the Polar Code marine mammal avoidance provisions - submitted by FOEI, WWF and Pacific Environment
- Reducing Underwater Noise Utilizing Ship Design and Operational Measures (Canada)

Agenda item 6.8(a): Arctic Marine Traffic Systems

- ✓ ASTD Geographical boundary (final)
- ✓ ASTD Level 3 access and fee structure (final)

Background documents:

- ✓ Cooperative Framework among the Arctic States Regarding Arctic Ship Traffic Data Sharing.
- ✓ ASTD expert contacts Jan 2018

Agenda item 6.8(b)

Background Documents:

- ✓ CASA Analysis 2005-2017 presentation
- ✓ Agenda 6.8(b)-background-Sample Data for CASA project - USA, Norway
- ✓ Agenda 6.8(b)-background-joint PAME-EPPR CASA Paper by USA

Agenda 6.8(c):

- ✓ Update to PAME I 2012 on Specially Designated Arctic marine Areas and PRF, by USA

Agenda 6.9(a)

- ✓ AMSA Recommendations-review and update-US-CAN paper
- ✓ Appendix 1-AMSA Recommendations-review and update-US-CAN paper
- ✓ Annotation to agenda item 6.9(a)

Agenda 6.10 (a)

- ✓ Responses from Korea Maritime Institute (Jan 2018)
- ✓ IASC-PAME Engagement on Shipping

- ✓ Responses from the University of the Arctic
- ✓ Responses from Poland
- ✓ Responses from The Netherlands
- ✓ Responses from Italy

Background document:

- ✓ Observer Engagement on Shipping-joint submission by US/AIA/Korea and Italy

Background documents: (Agenda 6):

- ✓ AMSA Final Report (2009)
- ✓ 4th AMSA Implementation Progress Report for the period 2015-2017
- ✓ Arctic Ocean Review (AOR) Final Report (2013)
- ✓ Strategic Plan For The Organization (IMO) for Six-Year Period 2018 To 2023
- ✓ IHO approved Strategic Plan 2017
- ✓ Black Carbon emission measurement results for 4-stroke marine diesel engines, using various fuels, and with and without scrubber (Finland)
- ✓ Appropriate methods to measure marine Black Carbon emissions for international shipping (Finland and the Netherlands)
- ✓ Presentation: Appropriate Methods to Measure Marine Black Carbon Emissions

AGENDA 7 – Arctic Offshore Resource Exploration and Development

Agenda item 7.3: Update on the Arctic EIA project: state of play & next step.

Background documents:

- ✓ Meaningful Engagement of Indigenous Peoples and Communities in Marine Activities (MEMA) Part I Report.
- ✓ MEMA Workshop Report.

AGENDA ITEM 8 – Ecosystem-based Approach to Management

Agenda item 8.2: DRAFT 6th EA workshop report

Annotations to agenda items 8.1-8.4 Ecosystem Approach to Management

Background documents:

- ✓ 6th EA Workshop [here](#)
- ✓ Status of Implementation of the Ecosystem Approach to Management in the Arctic.
- ✓ The 2015 – 2017 Progress Report of the Joint Ecosystem Approach Expert Group (EA-EG).
- ✓ The Summary Report of the International Science and Policy Conference on the Status of Implementation of the Ecosystem Approach in the Arctic.

AGENDA ITEM 9 – Marine Litter, including Microplastics

Agenda item 9.1(a): Literature:

- ✓ Literature submissions categorized based on the Arctic Marine Litter Literature Submission Template Form
- ✓ Grid-Arendal literature submissions.

Agenda item 9.1(b): Desktop Study: 1st draft outline of the Desktop Study on Marine Litter including Microplastics in the Arctic (version 22 Jan 2018)

Agenda item 9.1(c): Communication and outreach material

- ✓ proposed Marine Litter workshop in Iceland in late May/early June – draft agenda 22 Jan. 2018
- ✓ “Plastic in a bottle”
- ✓ Arctic marine litter competition draft 22 Jan 2018
- ✓ PAME website current work on Marine Litter graphics for outreach purposes [here](#)

Agenda item 9.1(d): Timeline and Main Milestones

Annotation to agenda 9.1(a)(b)(c) and (d)

Background documents

- ✓ Marine Litter nominated experts (version Jan 2018)
 - ✓ Arctic Marine Litter Literature Submission Template Form
 - ✓ Marine Litter project plan 2017-2019
-

Additional Information

PAME I-2018 logistics, hotels and map
List of nominated experts (version Feb 2018)
List of Participants
List of Documents
Final RoDs

Presentations

Shipping Experts Group Pre meeting:

- ✓ Arctic Ship Traffic Data (USA/Norway)
- ✓ Fuel oil use in the Arctic in 2016 (Jon Arve Royset/Norway)
- ✓ Low-impact shipping Corridors (Canada / Iceland / Aleut International Association)
- ✓ Polar Code Conference (Finland)
- ✓ Safety Awareness in Polar Waters (Russia)
- ✓ The IMO Polar Code – Campaign and Broschure by Finland and the Russian Federation
- ✓ IALA (Norway)
- ✓ SarEx2 (Norway)

Plenary meeting - day 1:

- ✓ Arctic activity and fuel alternatives-presentation (Norway)
- ✓ 3rd MPA workshop (Sweden/Finland)
- ✓ AMIUM (AIA)
- ✓ Arctic Biodiversity Congress (CAFF)
- ✓ ARIAS Monitoring Presentation (CAFF)
- ✓ ARIAS project update (CAFF/PAME)
- ✓ ARIAS overview (USA)
- ✓ Comité Maritime International (Aldo Chircop)
- ✓ EYOS (Kelvin Murray)
- ✓ International Quiet Ocean Experiment (IQOE) Working Group on Arctic Acoustic Environments on anthropogenic underwater noise in the Arctic
- ✓ MPA EG report (USA)
- ✓ MPA - Factsheet project (Finland)
- ✓ Pikialasorsuaq commission (Stephanie Meakin)
- ✓ Shipping Operations in the Canadian Arctic (Martin Fournier)
- ✓ UK - Marine links to PAME (Dominic Pattinson)

Plenary meeting - day 2:

- ✓ 6th Ecosystem Approach Workshop
- ✓ International Seabed Authority
- ✓ Marine litter
- ✓ MEMA
- ✓ WGICA at PAME I-2018



PAME

Protection of the Arctic Marine Environment

PAME International Secretariat

Borgir, Norðurlóð
600 Akureyri
Iceland

Tel: +354 461 1355
Email: pame@pame.is
Homepage: www.pame.is