



# PAME I-2017

JANUARY 29-FEBRUARY 1  
COPENHAGEN - DENMARK

## WORKING GROUP MEETING REPORT

**PAME**

Protection of the Arctic Marine Environment

## PAME I-2017 MEETING REPORT

### CONTENT

- ✓ *Records of Decisions and Follow-up Actions*
- ✓ *Annex I – List of Participants*
- ✓ *Annex II – Meeting Agenda*
- ✓ *Annex III – List of Documents*



*Almost 80 participants took part in the PAME-I 2017 meeting.*

*Photo: Olga Pálsdóttir*





## ***RECORD OF DECISIONS AND FOLLOW-UP ACTIONS***

***PAME I-2017 (29 January-1 February 2017)***

***Copenhagen, Denmark***

### ***Opening of the Meeting***

*PAME thanks the Kingdom of Denmark for hosting this Meeting and notes with appreciation the welcoming remarks from Hanne Fugl Eskjær, Senior Arctic Official of Kingdom of Denmark and Lida Skifte Lennert, Head of Representation from Greenland.*

### ***Information from the Chair and Secretariat (Agenda Item 3)***

*PAME took note of following issues as summarized by the PAME Chair, Renée Sauvé:*

- *Outcomes from relevant Arctic Council meetings including the SAO meeting 4-6 October 2016;*
- *the active communications and meetings of the Arctic Council SAO Chair with working groups chairs and secretaries;*
- *the Task Force on Arctic Marine Cooperation (TFAMC);*
- *the new common operating guidelines for the Arctic Council working group;*
- *the 13<sup>th</sup> meeting of the Conference of the Parties to the Convention on Biological Diversity in Cancun, Mexico, 4 - 17 December 2016; and*
- *the Arctic Frontiers Conference 23-27 January where the PAME Chair presented within both the policy and science sections of the Conference.*

*PAME notes with appreciation the presentation by WWF on the Arctic Council Conservation Scorecard methodology which aims to assist the Arctic Council with reporting and strategic planning.*

*PAME notes with appreciation the summary of Finland's 2017-2019 Chairmanship Program which will be presented at the upcoming SAO meeting 8-9 March 2017.*

### ***Framework for a Pan-Arctic Network of Marine Protected Areas (MPAs)***

*PAME approves the CAFF-PAME Protected Areas Indicator Report.*

*PAME appreciates the update by the USA on the "Desktop study on area-based conservation measures and its linkages to categories of Arctic marine biodiversity 'Toolbox'" project and recommends the following timeline:*

- *February 8: PAME members have been asked to submit comments on the 2<sup>nd</sup> draft (January 26 version) of the PAME MPA-network Toolbox: Area-based Conservation Measures and Ecological Connectivity ("Toolbox Report").*

- *February 15: Deadline for project leads to add key results, as needed, from February Workshop and address PAME member comments to produce a 3<sup>rd</sup> draft of the Toolbox Report. Send to SAOs and PAME members.*
- *February 28: Deadline for PAME members to submit any final critical comments (e.g. comments limited to the text changes made to latest version) to PAME leads.*
- *March 8-9: PAME Chair presents Toolbox Report to SAOs for approval, noting if there are any outstanding issues (per the Feb 28 receipt of comments).*
- *March 31: Deadline for project leads to resolve any outstanding issues for Ministerial approval of the Toolbox Report.*

*PAME thanks Sweden and Finland for their workshop proposal and supports the 3<sup>rd</sup> Arctic MPA workshop, scheduled for 21-22 September 2017 in Helsinki, Finland back-to-back with PAME II-2017.*

*By March 31, PAME requests recommendations of experts (including government, indigenous peoples, academia, international organizations, and others) for participation in the 3<sup>rd</sup> Arctic MPA workshop. Workshop co-leads will send out a letter of invite with further information and expertise required in line with the workshop proposal.*

*PAME approves the MPA Network Toolbox Project work plan for inclusion into the PAME 2017-2019 Work Plan, which includes the 4<sup>th</sup> Arctic MPA workshop in 2018, to potentially be hosted by Canada, to convene MPA managers, Indigenous peoples, community representatives, and other MPA partners to share experiences in planning and developing Arctic MPA networks.*

*PAME requests the PAME Secretariat to liaise with the CAFF Secretariat to convey the status of, and invite the cooperation of CAFF, in the MPA Expert Group's 2017-2019 activities. PAME Heads of Delegations are also encouraged to reach out to their respective CAFF Heads of Delegations.*

## **Arctic Marine Shipping Assessment (Agenda Item 5)**

### **AMSA I(A) – Linking with International Organizations**

- ✓ *PAME thanks Dr. Jürgen Holfort of the Federal Maritime and Hydrographic Agency of Germany for his presentation on behalf of the WMO-IOC Joint Technical Commission for Oceanography and Marine Meteorology (JCOMM) Expert Team on Sea Ice (ETSI) on ETSI's Arctic-related activities.*
- ✓ *PAME thanks Søren Enemark of the Danish Shipowners' Association for his presentation, including on their priorities with respect to Arctic shipping operations.*
- ✓ *PAME thanks Jens Peter Holst-Andersen of the Danish Ministry of Defence for his presentation on the assessment report regarding "Marine Environmental Risk – Concerning Waters In And Adjacent To Greenland And The Arctic."*
- ✓ *PAME thanks Mads Bentzen Billesø of the Danish Maritime Authority for his presentation on ArcticWeb to the Shipping Expert Group.*
- ✓ *PAME approves the Terms of Reference for the Arctic Shipping Best Practices Information Forum, requests the Shipping Expert Group Co-Chairs to work with Finland as the incoming Chair of the Arctic Council and the PAME Secretariat to develop an agenda for and issue invitations to the Forum's first meeting -- tentatively scheduled for*

*5-6 June 2017 in London -- and invites the Forum to submit a report to PAME II-2017 regarding that meeting.*

***AMSA I(B) – IMO Measures for Arctic Shipping***

- ✓ *PAME decides to include in its 2017-2019 Work Plan the four projects in connection with mitigating risks associated with the use and carriage of HFO by vessels in the Arctic (Annex I);*
- ✓ *PAME welcomes the project proposal regarding PAME's role in harmonized implementation of the Polar Code submitted by Finland and the Russian Federation to PAME I-2017, and invites them intersessionally to revise the project proposal for circulation by 30<sup>th</sup> of April 2017, taking into account comments received during the Shipping Expert Group (SEG) meeting, including with respect to timing and the role played by the Paris and Tokyo Port State Control MOUs. Comments on the revised project proposal are requested by 31<sup>st</sup> of May 2017 with the view to finalizing the revised proposal at PAME II-2017.*
- ✓ *PAME encourages Arctic States that are members of either the Paris MOU or the Tokyo Port State Control MOU to support action by those organizations to initiate a joint concentrated inspection campaign on the Polar Code.*
- ✓ *PAME invites the USA to submit to PAME II-2017 an information paper describing the structure, composition and role of the Paris and Tokyo Port State Control MOUs.*

***AMSA I(C): Uniformity of Arctic Shipping Governance***

- ✓ *PAME invites Canada to make a presentation at PAME II-2017 regarding the concept of safe and low impact shipping corridors.*

***AMSA I(D) – Strengthening Passenger Ship Safety***

- ✓ *PAME requests the Secretariat to invite a representative of EYOS Expeditions to make a presentation at PAME II-2017 on safe and environmentally sound navigation in the Arctic of non-commercial yachts and pleasure craft and to identify areas of potential collaboration with PAME on such issues.*

***AMSA II(A) – Survey of Arctic Indigenous Marine Use***

- ✓ *PAME welcomes an update at PAME II-2017 by the Aleut International Association on its Arctic Indigenous Marine Use: Tools For Communities Project.*

***AMSA II(D) – Specially Designated Arctic Marine Areas***

- ✓ *PAME approves the Regional Reception Facilities Project (RRFP) “Arctic Regional Reception Facilities Plan Outline and Planning Aid” and associated “Draft Working Paper” submitted to PAME I-2017 and requests Arctic States to forward these documents to their respective IMO delegations for consideration and further action as appropriate. The RRFP expert group will inform the Shipping Expert Group on relevant developments.*

***AMSA II(E) – Protection from Invasive Species***

- ✓ *PAME approves a revised text for the shipping related priority action items in the Arctic Invasive Alien Species Strategy and Action Plan (ARIAS) and decides to the following timeline to finalize the ARIAS for submission through the CAFF Working Group to SAOs and Ministers for approval:*

- *Feb 10:* Revised version with outstanding comments sent to PAME and CAFF and HoDs for review and note sent to the Chair of SAOs informing him about the process and seeking guidance, if needed.
- *Feb 11- 28:* Teleconference amongst the PAME and CAFF HoDs to resolve edits to the remainder of the ARIAS.
- *Feb 28:* Final agreed upon draft circulated to States and PPs for final approval (1 week)
- *March 8:* ARIAS circulated to SAOs for approval at the April SAO Executive meeting (tentative: 4-6 April)
- *April-May:* preparation for release of document e.g. layout and printing

#### **AMSA II(G) – Addressing Impacts on Marine Mammals**

- ✓ *PAME invites WWF to submit an information paper to PAME II-2017 summarizing research on underwater noise and its effect on Arctic marine biodiversity.*

#### **AMSA II(H) – Reducing Air Emissions**

- ✓ *PAME invites Norway to submit a brief update on IMO's work with respect to black carbon, specifically the outcome of the 71st Session of the IMO's Marine Environmental Protection Committee (3-7 July 2017) to the Shipping Expert Group at PAME II-2017, if relevant.*

#### **AMSA III(B) – Arctic Marine Traffic Systems**

- ✓ *PAME welcomes finalization of the Arctic Shipping Traffic Data (ASTD) project documents and, subject to final national review, approves the:*
  - *MOU Among the Arctic States Regarding Arctic Ship Traffic Data Sharing;*
  - *MOU Attachment 1: Form for a Standard Agreement on Access to and use of ASTD Data; and*
  - *MOU Attachment 2: Sample of a Data Sharing Agreement.*
- ✓ *PAME thanks those Arctic States which have committed to making financial contributions as outlined in MOU Attachment 3 (Network Costs – Estimated Pro Rata Shares) to carry out the ASTD project and invites all other Arctic States to make a similar commitment and to notify the PAME Secretariat as soon as practicable. PAME also welcomes financial contributions from Observers.*
- ✓ *PAME requests each Arctic State to notify the PAME Secretariat as soon as practicable of its ASTD project point of contact for listing in MOU Attachment 4: Designated Contact Persons.*
- ✓ *PAME requests the PAME Chair to forward the ASTD project documents to the SAOs, and invites, subject to final national approval, SAOs to approve and sign the ASTD MOU at the 8-9 March 2017 SAO Meeting.*

#### **Other items**

- ✓ *PAME approves the AMSA Implementation Progress Report (2015-2017) subject to final review and requests that the co-leads Finland, Norway and Iceland circulate electronically a final version reflecting all comments received by 8 February for approval by HoDs prior to its submission as a PAME deliverable to the SAOs.*

- ✓ *PAME thanks the representative from Italy, Dr. Luca Fiorani, for his presentation on Italy's Arctic work and interests, in particular with respect to shipping activities.*
- ✓ *PAME thanks Dr. Jong Deog Kim of the Republic of Korea for the invitation it extended to PAME shipping experts to attend Korea's "2nd Arctic Partnership Week" in Korea (early December 2017) to discuss projects and issues on PAME's shipping agenda and explore increased collaboration with Arctic Council Observers on shipping related matters.*
- ✓ *PAME requests the Secretariat to extend an invitation to a representative of the International Council on Clean Transportation (ICCT) to make a presentation at PAME II-2017 relating to the use and carriage of HFO by ships in the Arctic as it pertains to the HFO projects in PAME's 2017-2019 Work Plan.*
- ✓ *PAME requests the Secretariat to extend an invitation to the Finnish Maritime Environment Tri-authority Operations (METO) to make a presentation at PAME II-2017 regarding the Finnish METO maritime cooperation on the maritime surveillance systems, communication means and risk analyses methods to produce a common maritime situational awareness in a cost effective way.*
- ✓ *PAME requests the Secretariat to invite a representative from the Finnish Shipowners' Association to make a presentation at PAME II-2017 on Arctic shipping.*
- ✓ *PAME requests the Secretariat to invite a representative of an Arctic Council Observer State (e.g., Germany) to submit a paper to PAME II-2017 and make a presentation at that meeting on its Arctic shipping interests and activities.*
- ✓ *PAME welcomes ongoing attendance at its semi-annual meetings by an EPPR representative, including participating in PAME's Shipping Expert Group.*
- ✓ *PAME approves the Arctic Marine Shipping work plan items for inclusion into the PAME 2017-2019 Work Plan (Annex I).*

### **Arctic Offshore Resource Exploration and Development (Agenda item 6)**

- ✓ *PAME approves the Resource and Exploration and Development Expert Group (REDEG) Terms of Reference (ToR) and scope of work.*
- ✓ *PAME decides to focus future presentations and information gathering on offshore renewable energy, noise from activities, mining activities that can affect the marine environment and non-emergency offshore oil and gas activities.*
- ✓ *PAME thanks OSPAR representative, Charlotte Mogensen for her comprehensive presentation on OSPARs' Offshore Industry Committee and Environmental Impacts of Human Activities Committee work. PAME noted the synergies between OSPAR and PAME REDEG on issues concerning offshore oil and gas, offshore renewable energy, and marine noise, and encourages the exploration of possible future cooperation, as appropriate.*
- ✓ *PAME thanks the REDEG members for the draft Meaningful Engagement of Indigenous Peoples and Communities in Marine Activities (MEMA) Part I Report and requestes that REDEG distribute the Introduction section of the MEMA Part I Report to PAME members by February 7. Deadline for comments on all of the MEMA Part I Report is February 9, in time to submit a final MEMA Part I Report to the March 2017 SAO Meeting.*
- ✓ *PAME welcomes the final MEMA Workshop Report.*

- ✓ *PAME appreciates the work by Canada and the Secretariat for the addition of over 200 new entries in the MEMA Online information database.*
- ✓ *PAME approves the revised MEMA Part II work plan items for inclusion into the PAME 2017-2019 Work Plan.*
- ✓ *PAME notes with appreciation the work done by the REDEG members on:*
  - *The online survey on implementing recommendations of the System Safety Management and Safety Culture Report that EPPR has agreed to distribute to national regulators.*
  - *The survey related to possible updates of the Arctic Offshore Oil and Gas Guidelines (AOOGG 2009) and notes REDEG's decision not to pursue new 2017-2019 projects.*

### **Ecosystem Approach to Management (Agenda item 7)**

- ✓ *PAME welcomes the 2015 – 2017 Progress Report of the Joint Ecosystem Approach Expert Group (EA-EG) and acknowledges the substantial accomplishments documented in the report.*
- ✓ *PAME welcomes the Summary Report of the International Science and Policy Conference on the Status of Implementation of the Ecosystem Approach in the Arctic, subject to final edits and comments received by February 8.*
- ✓ *PAME approves the report, Status of Implementation of the Ecosystem Approach to Management in the Arctic, subject to final edits and comments received by February 8.*
- ✓ *PAME appreciates the progress made by the expert group in advancing understanding of integrated ecosystem assessment, IEA, through its participation in the formation of, and participation in, the ICES Working Group on Integrated Ecosystem Assessment in the Central Arctic Ocean, WGICA, and participation in the meetings of scientific experts on fish stocks in the central Arctic Ocean, FiSCAO.*
- ✓ *PAME approves to the EA-EG work plan items for inclusion into the PAME 2017-2019 Work Plan (Annex I).*

### **Preparations for the 2017 Ministerial Meeting (Agenda item 8)**

*The Meeting agrees to the following process and timeline:*

- ✓ *PAME notes that there will be opportunities to update contributions to the SAO Report to Ministers (i.e. both the 2015-2017 Achievements and the 2017-2019 Work plan sections):*
  - *The next draft of the SAO Report to Ministers will be sent out with request for comments **by February 27.***
  - *The AC Chairmanship will produce a **revised draft for circulation by March 24.***
  - ***April 7** is the final deadline for comments before the finalized SAO Report to Ministers is to be circulated on **April 14.***
- ✓ *PAME agrees to submit the current draft (version 26 January) on “Achievements 2015-2017” for SAO Report to Ministers by 10 February.*
- ✓ *PAME requests its Secretariat to revise the PAME Work Plan 2017-2019 (short and long version) based on discussions at this Meeting (Annex I) and send to PAME Members for their review by **February 10** with deadline for comments by **February 24.** The PAME*



*Secretariat will submit a revised draft version to the Arctic Council by **February 27** deadline.*

- ✓ *PAME secretariat to send to PAME Members the **March 24** AC Chairmanship version of the SAO Report to Ministers(PAME sections on Achievements and 2017-2019 Work Plan) with **April 7** for final review and agreement by PAME Members.*
- ✓ *PAME agrees to include the following projects in the PAME 2017-2019 Work Plan:*
  - *Revised version of the Marine Litter in the Arctic Project (Phased Approach) subject final comments. Confirmed co-leads are: Sweden, Norway, Iceland and AIA and note interest by Finland, Canada, USA, Kingdom of Denmark and Germany. Co-leads are requested to send to PAME Members a revised version of this Project based on discussions and inputs from this meeting by **February 10** with comments due **February 24** for inclusion into the PAME 2017-2019 Work Plan for submission to the Arctic Council by the **February 27** deadline.*
  - *Good Practice Recommendations for Environmental Impact Assessment, EIA, and Public Participation in EIA in the Arctic (Arctic EIA) Project. PAME notes that this project is subject to approval by SDWG. PAME will include this Project in the 2017-2019 Work Plan and contribute to this work based on its project plan and relevance to PAME's work.*
- ✓ *PAME agreed to the following process/timeline to finalize the 1<sup>st</sup> AMSP Implementation Report for submission to SAOs and Ministers for information.*
  - *Feb 10: Revised draft version submitted to SAOs for information, noting that additional information from EPPR and ACAP to be included.*
  - *March-April: Revised based on comments to include links to reports/activities (as relevant) and circulate final draft to PAME, including proposed layout.*
  - *April-May: preparation for release of the document i.e. final layout and printing.*
- ✓ *List of PAME deliverables to the 2017 Ministerial is in Annex II.*

### **PAME Administration Next Meeting**

*PAME requests its Chair to present to the upcoming SAO meeting 8-9 March 2017 on the following PAME deliverables for approval:*

- *MPA “Toolbox” Project*
- *Indicator Report on Marine Protected Areas (MPAs)*
- *Final report on the Regional Reception Facilities plan, including draft submission for IMO*
- *MOU Among the Arctic States Regarding Arctic Ship Traffic Data Sharing*
- *Revised draft of the PAME sections in the SAO Report to Ministers*

*PAME invites its delegations to include shipping, oil and gas/resource exploration and development, ecosystem and MPA experts in their delegations to the PAME II-2017 meeting.*

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

*PAME Chair to inform its HoDs and PPs on requests to present on PAMEs works in other fora and make best efforts to share the presentation in advance to allow an opportunity for*

*comments/inputs.*

*PAME notes the need to keep flexibility in its Chairmanships' selection and emphasizes the importance of the serving chair to have experience in Arctic Council's work, in particular in PAME's work.*

*PAME agrees to an approach in selecting the Chair and vice-Chair through intersessional correspondence. PAME HoDs and PPs are to respond in writing by **April 1** on their decision to support a nomination of the Chair and vice-Chair, which could include the continuation of the current Chair and vice-Chair.*

*PAME thanks Finland for their offer to host the PAME II-2017 meeting in Helsinki, Finland 18-20 September 2017 (back-to-back with the MPA Workshop 21-22 September 2017).*

## **Annex I - Projects for inclusion into PAME Work Plan (2017-2019)**

### **Framework for a Pan-Arctic Network of MPAs (USA/Canada/Finland/Sweden)**

- ✓ *The 2017-2019 MPA Network Toolbox Project proposal which includes the 4<sup>th</sup> MPA workshop*
- ✓ *The 3<sup>rd</sup> MPA workshop proposal from Sweden and Finland*
- ✓ *Production of communication materials*

### **Arctic Marine Shipping Projects for inclusion into the PAME Work Plan (2017-2019)**

- ✓ *Mitigating Risks Associated with the Use and Carriage by Ships of HFO in the Arctic:*
  - *A project to collect and report information for the most recent three-year period on the number, types and routes of ships in the Arctic that used HFO as fuel (including quality or grade) or transported it as cargo, including if available the volume of HFO carried as bunker fuel and/or cargo as well as the destination of HFO transported as cargo (**Canada/USA utilizing ASTD system if approved**);*
  - *A project in partnership with the Sustainable Development Working Group (SDWG) (subject to SDWG to confirmation) to collect, report and/or review information about on-shore use by indigenous peoples and local communities of HFO as well as the extent to which such peoples and communities rely on ships that burn HFO to deliver supplies and provisions (**USA/AIA/CCU**);*
  - *A project to prepare an information paper summarizing PAME's work on HFO for possible submission by one or more Arctic States to IMO's Marine Environmental Protection Committee (**Canada/PAME Secretariat**);*
  - *A project to prepare or commission a report that explores the environmental, economic, technical and practical aspects of the use by ships in the Arctic of alternative fuels, including LNG. (**Norway/WWF**);*
- ✓ *A project co-led by Finland and the Russian Federation for PAME to help assess and advance harmonized implementation of the Polar Code. (**Finland/Russian Federation**)*
- ✓ *A project to collect and summarize information on Arctic State safe and low-impact marine corridor initiatives and programs with a view to submitting a report by PAME I-2019. (**Canada/Iceland/AIA**)*
- ✓ *A project to operationalize the Arctic Shipping Best Practices Information Forum, including the holding of an annual meeting in 2017 and 2018 and the establishment of a webportal on PAME's website for public posting of relevant information. (**SEG Co-Chairs/PAME Secretariat/Finland**)*
- ✓ *Subject to national approval of the Arctic Shipping Traffic Database (ASTD) MOU Among the Arctic States Regarding Arctic Ship Traffic Data Sharing, a project to operationalize the ASTD, including the construction by 2018 and subsequent operation, administration and management of a data repository hosted by the Norwegian Coastal Administration as set forth in the MOU. (**Arctic States/ASTD Expert Group/PAME Secretariat**)*
- ✓ *A joint PAME/EPPR project to develop a compendium of shipping accidents in the Arctic covering the period 2005-2018, and submission of a summary report by PAME I-2019. (**USA**)*

- ✓ *A project to develop an approach/framework for more systematically engaging with Observer States on PAME's shipping-related work, and identifying opportunities for Observer States to contribute to and/or support such work. (USA/AIA/Republic of Korea/Italy)*
- ✓ *A project to develop and adopt updated shipping priorities and recommendations under the three themes of the 2009 Arctic Marine Shipping Assessment (AMSA) Report (Enhancing Arctic Marine Safety; Protecting Arctic People and the Environment; Building the Arctic Marine Infrastructure). (USA/Canada)*

**Arctic Offshore Resource Exploration and Development (REDEG)**  
**(USA/Canada/AIA/ICC/Saami Council):**

*The 2017-2019 MEMA Part II work plan*

**Ecosystem Approach to Management (EA) (USA/Norway):**

*The 2017-2019 EA-EG Work Plan items are:*

- ✓ *Prepare guidelines addressing EA/EBM implementation in Arctic (marine) ecosystems (per Iqaluit declaration) following the EA Framework elements; adoption of LMEs for management, descriptions of Arctic Ecosystems, integrated ecosystem assessments, ecological objectives, and valuation of ecosystem services. EA Framework elements to receive particular attention are ecological objectives and integrated assessments.*
- ✓ *6<sup>th</sup> EA workshop in late autumn 2017/spring 2018; scoping guidelines for implementing EA in the Arctic, with focus on Integrated Ecosystem Assessment.*
- ✓ *2nd International EA Conference 2018. Integrated Ecosystem Assessment in the Arctic, Marine Protected Areas in Implementation of EA, Review of status of implementation EA and EA framework elements. Continue to promote common understandings and share knowledge and experiences on EA.*
- ✓ *Continue emphasis on development of Integrated Ecosystem Assessment. Continue to report on developments within ICES/PICES/PAME Working Group on Integrated Ecosystem Assessment (WGICA) and other ICES activities, and the meetings of scientific experts on fish stocks in the central Arctic Ocean.*

**Other**

- ✓ *The Marine Litter in the Arctic Project. co-leads are: **Sweden, Norway, Iceland and AIA.***
- ✓ *Good Practice Recommendations for Environmental Impact Assessment, EIA, and Public Participation in EIA in the Arctic (Arctic EIA) Project. Lead: **SDWG.***

## **Annex II - list of deliverables to the 2017 Ministerial**

### **Framework for a Pan-Arctic Network of MPAs:**

- ✓ *Desktop study on area-based conservation measures and its linkages to categories of Arctic marine biodiversity 'Toolbox'” project. **For SAO and Ministerial approval***
- ✓ *Indicator Report on Marine Protected Areas (MPAs). **For SAO and Ministerial approval***

### **Arctic Marine Shipping:**

- ✓ *4<sup>th</sup> AMSA Implementation Progress Report for the period 2015-2017. **For information***
- ✓ *CAFF/PAME Arctic Invasive Alien Species Strategy and Action Plan (ARIAS). **Submitted by CAFF for SAO and Ministerial approval***
- ✓ *Terms of Reference for the Arctic Shipping Best Practices Information Forum. **For information***
- ✓ *Final report on the Regional Reception Facilities plan and draft submission for IMO. **For SAO approval***
- ✓ *MOU Among the Arctic States Regarding Arctic Ship Traffic Data Sharing. **For SAO approval and signature***

### **Arctic Offshore Resource Exploration and Development (REDEG):**

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

### **Ecosystem Approach to Management (EA):**

- ✓ *The 2015 – 2017 Progress Report of the Joint Ecosystem Approach Expert Group (EA-EG). **For information***
- ✓ *The Summary Report of the International Science and Policy Conference on the Status of Implementation of the Ecosystem Approach in the Arctic. **For information***
- ✓ *The report, Status of Implementation of the Ecosystem Approach to Management in the Arctic. **For information** replaced with **For SAO approval** (as per an email from the PAME Chair Feb 11 2017, Subject: “Submission of Documents for March SAO Meeting”)*

### **Other:**

- ✓ *1<sup>st</sup> Report on progress/implementation of the 2015-2025 Arctic Marine Strategic Plan (AMSP). **For information***
- ✓ *2017-2019 PAME Work Plan and PAME 2015-2017 Achievements as part of the SAO Report to Ministers. **For SAO and Ministerial approval***



## PAME I-2017 January/February 30-1 Copenhagen, Denmark

Family name	First name	Department / Ministry	Country / Organization	E-mail
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<b>Holst-Andersen</b>	<b>Jens Peter</b>	EPPR	Denmark	<a href="mailto:jph@fmn.dk">jph@fmn.dk</a>
<b>Others - Invited Experts</b>				
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Protection of the Arctic Marine Environment

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## **PAME I-2017 Working Group Meeting**

### **Eigtveds Pakhus, Copenhagen, Denmark**

### **29 Jan – 1 Feb 2017**

### **1<sup>st</sup> Draft Agenda with Timeline**

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The upcoming PAME Working Group Meeting (PAME II-2016) will be held at the Eigtveds Pakhus next to the Ministry of Foreign Affairs in Copenhagen, from Sunday 29<sup>th</sup> of January - Wednesday 1<sup>st</sup> of February 2017. Sunday the 29<sup>th</sup> of January has been set aside for pre-meetings.

Leads on respective activities are requested to prepare for this meeting in accordance with the PAME Work Plan 2015-2017 and Records of Decisions from the PAME II-2016 meeting. PAME delegations are invited to include IMO, EA, MPA, Oil and Gas, and other experts in their delegations to the PAME I-2017 meeting.

**Documents requiring decisions from this meeting should be distributed 30 days in advance, or by 30<sup>th</sup> of December 2016 in accordance with PAMEs Operating Guidelines.**

The aim of this Meeting is to reach consensus on the following Ministerial deliverables:

1. Deliverables to the Ministerial meeting May 2017:

**Arctic Marine Shipping:**

- ✓ 4<sup>th</sup> AMSA Implementation Progress Report for the period 2015-2017.
- ✓ CAFF/PAME Arctic Invasive Alien Species Strategy and Action Plan (ARIAS).
- ✓ Approval of Terms of Reference (ToR) to set up an Arctic Shipping Best Practices Information Forum under PAME auspices.
- ✓ Final report on the Regional Reception Facilities plan.
- ✓ Approval of the Arctic Shipping Traffic Data (ASTD) project documents

**Framework for a Pan-Arctic Network of MPAs:**

- ✓ Report on “Desktop study on area-based conservation measures and its linkages to categories of Arctic marine biodiversity ‘Toolbox’” project.
- ✓ Indicator Report on Marine Protected Areas (MPAs)

**Ecosystem Approach to Management (EA):**

- ✓ Report “Status of Setting Ecological Objectives in the Arctic”.
- ✓ EA International Conference proceedings.
- ✓ Report on “Status of Implementation of the Ecosystem Approach to Management in the Arctic”.

**Arctic Offshore Resource Exploration and Development (REDEG):**

- ✓ Interim Report on the Meaningful Engagement of Indigenous Peoples and Communities in Marine Activities (MEMA) and MEMA Interactive Online Database.

**Other:**

- ✓ 1<sup>st</sup> Report on progress/implementation of the 2015-2025 Arctic Marine Strategic Plan (AMSP).
- ✓ 2017-2019 PAME Work Plan.

2. Decide on the final draft content of the PAME report to SAOs/Ministers, including a suggested draft text for SAOs recommendation to Ministers, if applicable.

## **PAME I-2017 Main Agenda Items**

**Item 1:** Opening of the Meeting

**Item 2:** Introduction and Adoption of the Agenda

**Item 3:** Information from the Chair and the Secretariat

**Item 4:** Pan-Arctic Network of Marine Protected Areas (MPAs)

**Item 5:** Arctic Marine Shipping Assessment (AMSA) follow-up activities (various leads)

**Item 6:** Arctic Offshore Resource Exploration and Development

**Item 7:** Ecosystem-based Approach to Management

**Item 8:** Preparations for the 2017 Ministerial Meeting:

**Item 9:** Summary of Meeting Decisions and Follow up Actions (Chair & Secretariat)

**Item 10:** Any other business and closing of the Meeting



## PAME I-2017 Pre-Meetings

### SUNDAY, January 29

The pre-meetings will take place at Eigtveds Pakhus next to the Ministry of Foreign Affairs in Copenhagen, located at Asiatisk Plads 2, DK-1448 København K.

**Delegates are kindly requested to bring their passports/government issued identification for access to the building.**

Following is a list of the times of the pre-meetings (details on the agendas to be provided).

<b>Breakout room #1</b> <b>(ca. 25-30 persons)</b>	<b>Breakout room #2</b> <b>(ca. 20 persons)</b>	<b>Breakout room #3</b> <b>(preferred time)</b> <b>(ca. 10 persons)</b>
<b><u>10:00-17:00 (whole day)</u></b> Shipping Expert Group pre-meeting. The agenda will be the items under Agenda Item 5 as well as all of the shipping-related papers submitted by PAME member governments, PPs, and Observers in advance of the meeting.	<b><u>13:00-15:00</u></b> MPA Expert Group The agenda will be the items under Agenda Item 4.	
	<b><u>15:00-17:00</u></b> Ecosystem Approach Expert Group The agenda will be the items under Agenda Item 7.	<b><u>15:00-17/18:00</u></b> Resource Exploration and Development Expert Group (REDEG) The agenda will be the items under Agenda Item 6.

## PAME I-2017 Working Group Meeting 30 Jan-1 Feb Eigtveds Pakhus

### Documentation

All PAME I-2017 meeting documents will be posted on the PAME password protected area of the homepage: <http://www.pame.is> and login information will be provided to confirmed participants.

***Participants are urged to bring their own copies of the PAME-related documents for this meeting in an effort to minimize printing during the meeting!***

*Coffee breaks: 10:00-10:15 and 15:00-15:15 - Lunch breaks: 12:00-13:00*

MONDAY, January 30		
<i>Timeline</i>	<i>Agenda items</i>	<i>Note/Leads</i>
08:30-09:00	Registration of PAME meeting participants	
09:00-10:00	<p><b>Item 1: Opening of the Meeting</b></p> <ul style="list-style-type: none"> <li>Hanne Fugl Eskjær, Senior Arctic Official of Denmark</li> <li>Lida Skifte Lennert, Head of Representation from Greenland</li> </ul> <p><b>Item 2: Introduction and Adoption of the Agenda</b></p> <p><b>Item 3: Information from the Chair and the Secretariat</b></p> <p>3.1 Outcomes from the SAO meeting (October 2016)</p> <p>3.2 Outcomes from other Arctic Council relevant meetings</p> <ul style="list-style-type: none"> <li>Task Force on Arctic Marine Cooperation (TFAMC, 26-27 Jan 2017)</li> <li>Other meetings and events (e.g. meeting of chairs and ES)</li> </ul> <p>3.3 Outcomes of other relevant international meetings (e.g., UN BBNJ PrepCom, CBD COP12 etc.)</p> <p>3.4 Finland's 2017-2019 Chairmanship Program/EIA and relevance to PAME</p> <p>3.5 Summary of WWFs score cards</p>	<p>Chair</p> <p>Chair</p> <p>Chair</p> <p>All</p> <p>All</p> <p>Finland</p> <p>WWF</p>
10:15-11:30	<p><b>Item 4: Pan-Arctic Network of Marine Protected Areas (MPAs)</b></p> <p>4.1 Approval of the MPA Indicator Report (PAME/CAFF project).</p> <p>4.2 Status on the "Desktop study on area-based conservation measures and its linkages to categories of Arctic marine biodiversity 'Toolbox'" project.</p> <p>4.3 Outcomes of the 1<sup>st</sup> connectivity workshop (Washington D.C. 22-23 September 2016) and planning of the 2<sup>nd</sup> connectivity workshop (Copenhagen 2-3 February 2017)</p> <p>4.4 ICCs update on the North Water Polynya Commission</p>	<p>PAME ES</p> <p>USA</p> <p>USA</p> <p>ICC</p>

	4.5 PAME 2017-2019 Work Plan: Review and agree to MPA-related activities for inclusion into the Work Plan	All
11:30-17:00	<p><b>Item 5: Arctic Marine Shipping Assessment activities–status and updates (various leads)</b></p> <p><i>Note: Those agenda items marked with ** will be discussed in more detail during the Shipping Expert Group (SEG) pre-meeting on Sunday 29<sup>th</sup> of January.</i></p>	
11:30-12:00	<b>Summary from the Shipping Expert Group pre-meeting</b>	SEG co-hairs
13.00-15.00	<b>Theme I: Enhanced Arctic Maritime Safety</b>	
	<p>5.1 <u>AMSA I(A) – Linking with International Organizations</u></p> <p>a) Summary of outcomes from the EPPR working group meeting (Dec. 2017) on PAME/EPPR cooperation with the International Association of Marine Aids to Navigation and Lighthouse Authorities (IALA).**</p> <p>b) Summary on report submitted by the Arctic Regional Hydrographic Commission (ARHC) on outcomes of the ARHC-s Sixth Meeting (Oct 2016).**</p> <p>c) Presentation by the WMO-IOC Joint Technical Commission for Oceanography and Marine Meteorology (JCOMM) Expert Team on Sea Ice (ETSI).</p> <p>d) Approval of the Terms of Reference (ToR) for an “Arctic Shipping Best Practices Information Forum”</p> <p>e) Presentation from the Danish Shipowners’ Association on Arctic shipping, including with respect to the use and carriage by vessels in the Arctic of HFO.</p> <p>f) Summary on submission by Canada on the outcomes of the 17<sup>th</sup> Meeting of the International Ice Charting Working Group (IICWG) with respect to shipping.**</p> <p>g) Report on the Barents Euro-Arctic Council (BEAC). **</p>	<p>Jens Peter Holst-Andersen</p> <p>SEG</p> <p>Dr Juergen Holfort</p> <p>SEG</p> <p>Søren Enemark</p> <p>SEG/Canada</p> <p>USA/SEG</p>
	<p>5.2 <u>AMSA I(B) – IMO Measures for Arctic Shipping:</u></p> <p>a) Summary on submissions by PAME Members on any available information, including technical aspects that ship operators may consider, related to Polar Code Part II-B, 1.1, a recommendatory provision which encourages ships operating in the Arctic Ocean to apply MARPOL Regulation 43 (banning the use and carriage of HFO in the Southern Ocean).**</p> <p>b) Summary of information submitted by Arctic states on its domestic shipping industry on operational aspects of the use and carriage of HFO by ships in the Arctic.**</p> <p>c) Discussion and selection of one or more of the shipping-related project proposals identified at PAME II-2016 for consideration in connection with PAME efforts to mitigate the risks associated with the use and carriage of HFO by vessels in the Arctic.</p>	<p>SEG/All</p> <p>SEG/All</p> <p>SEG/All</p>

	d) Summary and approval on project proposal on how PAME could report on the Polar Code implementation, Port State Control Regime statistics on ship compliance, and challenges, if any, in observing the Polar Code.	Finland Russia
	5.3 <u>AMSA I(D) – Strengthening Passenger Ship Safety</u> Update on continued efforts on safe and environmentally sound navigation in the Arctic by non-commercial yachts and pleasure craft.	Canada/USA/ Norway
<b>15:15-16.00</b>	<b><i>Theme II: Protecting Arctic People and the Environment</i></b>	
	5.4 <u>AMSA II(D) – Specially Designated Arctic Marine Areas</u> Approval of the following Regional Reception Facilities Project's (RRFP) annexes: ✓ <u>Annex I</u> : Arctic RRFP Outline and Planning Aid ✓ <u>Annex II</u> : Working Paper draft IMO Submission to a future IMO MEPC meeting.	USA/Russia
	5.5 <u>AMSA II(E) – Protection from Invasive Species</u> Approval of the final version of the CAFF/PAME <i>Arctic Invasive Alien Species (ARIAS) Strategy and Action Plan</i> . Joint CAFF/PAME project.	Norway/USA
	<u>AMSA II(F) - Oil Spill Prevention:</u> Marine environmental risk assessment for Greenland – presentation by Defense Command Denmark (15 min) [ <i>late addition</i> ]	Jens Peter Holst- Andersen
	5.6 <u>AMSA II(H) – Reducing Air Emissions</u> A update on IMO's work with respect to black carbon, specifically the outcome of the January 16-20, 2017 meeting of IMO's Sub-committee on Pollution Prevention and Response. **	SEG
<b>16:00-17:00</b>	<b><i>Theme III: Building the Arctic Marine Infrastructure</i></b>	
	5.7 <u>AMSA III(B) – Arctic Marine Traffic Systems</u> a) <u>Arctic Shipping Traffic Database:</u> ✓ Approval of the Data Sharing Memorandum of Understanding, including the System Design Document, the and the End User Licensing Agreement (EULA). ✓ Approval of the Cost Sharing Document (i.e. Cost Sharing Option #1 or Cost Sharing Option #2). b) Discussions and next steps (i.e. submission of the documents to the SAOs for signature and recognition by 2017 Ministerial Declaration text welcoming the project).	USA (lead)     All
	5.8 <u>Other Shipping-related work and Preparations for the 2017 Ministerial</u> a) Summary of PAME SEG Participation in Korea's "1 <sup>st</sup> Arctic Partnership Week", Busan, Korea (6-9 December 2016).**	USA/Canada/ AIA

	b) AMSA 2017 Implementation Progress Report <ul style="list-style-type: none"> <li>✓ Summary of final draft 2017 AMSA Implementation Progress Report.</li> <li>✓ Discussion and approval of final version to be submitted to the 2017 Ministerial meeting.</li> </ul> c) Discussion of comments received on the paper entitled “Proposed Criteria for Prioritizing PAME’s Shipping-Related Work” with the aim of identifying updated priority themes for guiding PAME’s shipping-related work into the future and inclusion as 2017-2019 Work Plan project.** d) Presentation from Italy on their Arctic shipping interests. e) Discussion of how more systematically to engage Observer States in PAME’s Shipping-related activities.	Nor/Fin/Ice  SEG/All  Luca Fiorani  SEG/All
<b>18:00-20:00</b>	<b><i>Reception</i></b> <b><i>Danish Shipowners' Association</i></b>	
<b>TUESDAY, January 31</b>		
<b><i>Timeline</i></b>	<b><i>Agenda items</i></b>	<b><i>Note/Leads</i></b>
<b>09:00-10:00</b>	5.9 <u>PAME 2017-2019 Work Plan items on shipping:</u> <ul style="list-style-type: none"> <li>✓ Review and agree to shipping-related activities for inclusion into the Work Plan</li> <li>✓ Outstanding issues on shipping from the day before (if any).</li> </ul>	SEG co-hairs  SEG co-chairs
<b>10:15-11:00</b>	<b>Item 6: Arctic Offshore Resource Exploration and Development</b> 6.1 Resource and Exploration and Development Expert Group (REDEG) Terms of Reference (ToR). <ul style="list-style-type: none"> <li>a) Summary on replies to the Survey to inform the scope of work for the REDEG and to suggest priorities in their information surveys.</li> <li>b) Approval of the REDEG Terms of Reference and inclusion into the PAME 2017-2019 Work Plan.</li> <li>c) Presentation by OSPAR and possibly other outside experts on their offshore work to inform the REDEG.</li> </ul> 6.2 Meaningful Engagement of Indigenous Peoples and Communities in Marine Activities project (MEMA): <ul style="list-style-type: none"> <li>a) Summary of outcomes/findings from the MEMA workshop convened on the 17<sup>th</sup> of September</li> <li>b) Summary and approval of an interim report on the MEMA project.</li> </ul> 6.3 Selected Updates of the 2009 Arctic Offshore Oil and Gas Guidelines (AOOGG): <ul style="list-style-type: none"> <li>a) Presentation of the Online Survey of selected actionable recommendation implementation items and results of consultations with EPPR on coordinating the distribution and</li> </ul>	Overall: USA/Canada and the Resource Exploration and Development Expert Group (REDEG)  Charlotte Mogensen



	<p>reporting of these implementation actions.</p> <p>b) Summary of the 3 survey questions on possible updates of the Arctic Offshore Oil and Gas Guidelines (AOOGG 2009) and inclusion to the PAME 2017-2019 work plan:</p> <p>6.4 Review and agree to REDEG-related activities for inclusion into the Work Plan</p>	
11:00-12:00	<p><b>Item 7: Ecosystem-based Approach to Management</b></p> <p>7.1 Progress/summary report on the work of the Joint EA Expert Group for the 2015-2017 period.</p> <p>7.2 Final report and proceedings from the international conference on <i>status of implementation of the Ecosystem Approach to management in the Arctic</i> (Fairbanks, Alaska, 23-25 August 2016) and note that a final report is to be presented at PAME I-2017.</p> <p>7.3 Summary update on the “Status on implementation of EA in the Arctic” report.</p> <p>7.4 Status and Summary of the work of the ICES/PAME Working Group on Integrated Ecosystem Assessment for the Central Arctic Ocean (WGICA), including potential work on vulnerability towards potential impacts of shipping (in support of the AMSA II(D) recommendation).</p> <p>7.5 Review and agree to EA-related activities for inclusion into the Work Plan</p>	USA Norway
13:00-14:00	<p><b>Item 8: Preparations for the 2017 Ministerial Meeting:</b></p> <p>8.1 Review and agree to the PAME section in the SAO Report to Ministers.</p> <p>8.2 Review and agree to the PAME 2017-2019 Work Plan items</p> <p>a) for the SAO Report to Ministers (short version)</p> <p>b) The longer stand-alone version of the PAME 2017-2019 Work Plan including its annexes with details on new project plans.</p> <p>8.3 New project proposals for inclusion into the PAME 2017-2019 work plan</p> <p>8.4 Review and agree to finalizing the 1<sup>st</sup> AMSP implementation report (2015-2017).</p>	PAME Chair All
14:00-17:00	<p><b>PAME Breakout sessions:</b> The aim is to finalize relevant documents and revisions to proposed 2015-2017 work plan items/projects and activities (including confirmations on leads/co-leads), and prepare draft RoDs for further discussion and agreement under Agenda Item 9.</p> <p><b>Shipping expert group 14:00-17:00      EA expert group 14:00-15:00</b> <b>REDEG group 15:15-17:00                  MPA expert group 15:15-17:00</b></p>	
Respective leads to provide draft RoDs to the PAME Secretary by end of the day/midnight		
18:00-20:00	Reception	TBC

<b>WEDNESDAY, February 1</b>		
<i><b>Timeline</b></i>	<i><b>Agenda items</b></i>	<i><b>Note/Leads</b></i>
<b>09:00-11:00</b>	<b>Outstanding issues from previous days and overview of way forward/next steps (as per outcomes from the breakout sessions).</b>	Various
<b>11:00-17:00</b>	<b>Item 9: Summary of Meeting Decisions and Follow up Actions (Chair &amp; Secretariat)</b>	
	<b>Item 10: Any other business and closing of the Meeting</b>	
<b>End of PAME I-2017 Meeting at 17:00</b>		



## PAME I-2017: LIST OF DOCUMENTS

**29 Jan – 1 Feb, 2017  
Copenhagen, Denmark**

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### ACCESS TO MEETING DOCUMENTS:

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Access to all relevant documents and background information is on the PAME password protected area at: [www.pame.is](http://www.pame.is) and login information will be provided to confirmed participants.

**Participants are urged to bring their own copies of PAME-related documents for this meeting in an effort to minimize printing during the meeting!**

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### Pre-meetings Sunday the 29<sup>th</sup> of January

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#### Agenda items for the pre-meeting sessions as relevant

PAME I-2017 SEG pre-meeting 29 Jan agenda

PAME I-2017 REDEG pre-meeting 29 Jan agenda

PAME I-2017 MPA Expert Group pre-meeting 29 Jan agenda

PAME I-2017 EA Expert Group pre-meeting 29 Jan agenda

PAME I-2017 pre-meeting registrations, version 25 Jan

Breakout room #1 (ca. 25-30 persons)	Breakout room #2 (ca. 20 persons)	Breakout room #3 (preferred time) (ca. 10 persons)
<b>10:00-17:00 (whole day)</b> Shipping Expert Group pre-meeting. The agenda will be the items under Agenda Item 5 as well as all of the shipping-related papers submitted by PAME member governments, PPs, and Observers in advance of the meeting. Documents: <ul style="list-style-type: none"> <li>Summary of the European External Service (EEAS) Black carbon project</li> <li>Project plan for the European External Service (EEAS) Black carbon project</li> </ul>	<b>13:00-15:00</b> MPA Expert Group The agenda will be the items under Agenda Item 4.	
	<b>15:00-17:00</b> Ecosystem Approach Expert Group The agenda will be the items under Agenda Item 7.	<b>15:00-17/18:00</b> Resource Exploration and Development Expert Group (REDEG) The agenda will be the items under Agenda Item 6.

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## **AGENDA 2 – Introduction and Adoption of the Agenda**

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Draft meeting agenda with timeline (version 25 January)

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## **AGENDA 3 – Information from the Chair and Secretariat**

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*Documents to be inserted*

Background documents

PAME II-2016 RoDs

SAO Report (Oct 2016)

Common Operating Guidelines for Working Groups (Dec 2016)

PAME 2013-2015 Summary of activities

2015 Iqaluit Ministerial Declaration

US Chairmanship Program 2015-2017

Arctic Council Observer Manual

Arctic Council Rules of Procedures

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

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Agenda 4.1-CAFF-PAME-ProtectedAreas-IndicatorReport-Final-Clean-Jan27

Agenda 4.1-CAFF-PAME-ProtectedAreas-IndicatorReport-Final-CombinedComments-Jan27

Agenda 4.1: CAFF-PAME Protected Areas Indicator Report – Final (20.12.2016) FOR REVIEW BY 23 Jan

Agenda 4.1: CAFF-PAME Memo Protected Areas (20.12.2016)

Agenda 4.2: PAME MPA toolbox – draft (5. Dec 2016) FOR REVIEW by 6 Jan

Agenda 4.2: Email 6. Dec – PAME MPA toolbox draft 5. Dec. FOR REVIEW by 6 Jan

*Note: The MPA toolbox draft will be updated for PAME I-2017 based on comments received on 6 Jan.*

Agenda 4.5: MPA Project Proposal for PAME Work Plan 2017-2019, draft 21 Dec (*sent 28 Dec.*)

Agenda 4.5: Arctic MPA workshop project plan 2017-2019 by Finland and Sweden

Background documents:

Framework for a Pan-Arctic Network of Marine Protected Areas (April 2015)

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## **AGENDA 5 – Arctic Marine Shipping Assessment follow-up activities**

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**Agenda 5.1: AMSA I(A) – Linking with International Organizations**

Agenda 5.1(b)-ARHC paper to PAME I-2017 for SEG pre-meeting

Agenda 5.1 (d): SEG comments to Arctic Marine Best Practice Information Forum - 29. Jan

Agenda 5.1(d): Arctic Marine Best Practice Information Forum (Jan\_06\_2017) - CLEAN for PAME I-2017 approval and inclusion into the PAME Work Plan 2017-2019

Agenda 5.1(f): Summary on submission by Canada on IICWG-XVII Meeting

Agenda 5.1(g): Report on the Barents Euro-Arctic Council (BEAC) submitted by USA

**Agenda 5.2: AMSA I(B) – IMO Measures for Arctic Shipping:**

Agenda 5.2(b): Discussion paper on carriage of HFO in the Arctic, submission by Canada

Agenda 5.2(d):

Project Proposal by Finland and the Russian Federation revised version 11 Jan to replace 30 Dec. 2017 version

Project Proposal by Finland and the Russian Federation, version 30 Dec. 2016

**Agenda 5.3: AMSA I(D) – Strengthening Passenger Ship Safety**

**Agenda 5.4: AMSA II(D) – Specially Designated Arctic Marine Areas:**

Annotation to RRFP Annex I and Annex II

Annex I RRFP Outline and Planning Guide for the Arctic

Annex II RRFP Working Paper draft IMO Submission

**Agenda 5.5: AMSA II(E) – Protection from Invasive Species**

Agenda 5.5: Memo – Invasive Species (22.12.2016)

Agenda 5.5: CAFF-PAME ARIAS (22.12.2016) FOR REVIEW by 23 Jan

Compiled comments and proposed process to finalize:

ARIAS cover note 25 Jan.

ARIAS compiled comments from Canada, Kingdom of Denmark, Norway and ICC, version 25 Jan.

ARIAS compiled comments from the USA, version 23 Jan

Background documents:

Invasive Species Memo; CAFF-PAME - signed 10 Feb 2016

Invasive Species Project Plan - CAFF (21.09.2015)

Invasive Species on PAME.is

**Agenda AMSA II(F) – Oil Spill Prevention**

Presentation, background document: [Marine Environmental Risk Assessment Greenland](#)

**Agenda 5.6: AMSA II(H) – Reducing Air Emissions**

Agenda 5.6: IMO information papers on Black Carbon measurements submitted by Finland

- Black Carbon emission measurements using different marine fuels
- Experience with MAAP measurements
- Preliminary results from Black Carbon (BC) measurement

Agenda 5.6 (and SEG pre-meeting): Developments at the IMO on the topic “Impact on the Arctic of Emissions of Black Carbon from International Shipping”.

**Agenda 5.7: AMSA III(B) – Arctic Marine Traffic Systems**

Agenda 5.7(a): Final draft Data Sharing Memorandum of Understanding (version 2 Jan 2017)

Agenda 5.7 (a): SEG comments 29. Jan on final draft Data Sharing Memorandum of Understanding (version 2 Jan 2017)

Agenda 5.7(a): USA comments 18 Jan on final draft Data Sharing Memorandum of Understanding (version 2 Jan 2017)

Agenda 5.7(a): ASTD MOU Data sharing compiled comments (1 Dec)-track changes 12 Dec 2016

Agenda 5.7(a): Cost Sharing Document (i.e. Cost Sharing Option #1 or Cost Sharing Option #2), version 22 August 2016

Agenda 5.7(a): Annotation ASTD cover letter

Background documents:

ASTD Project Plan

ASTD-EG Workshop Report, 14-16 June 2016

[ASTD demonstration video](#)

[ASTD project video](#)

**Agenda 5.8: Other Shipping-related work and Preparations for the 2017 Ministerial**

Agenda 5.8(b):

- ✓ Final AMSA Progress Report (2015-2017) clean version
- ✓ Final AMSA Progress Report (2015-2017) track change version

Background documents:

Proposed Criteria for Prioritizing PAME’s Shipping Related Work (from PAME II-2016 meeting)

**Agenda 5.9: PAME 2017-2019 Work Plan**

WWF proposals (email 23 Dec):

- Developing a Handbook and Identifying Research for Reducing Impacts from Shipping on the Habitat of Ice’
- Developing a Low Impact Shipping Corridor Framework for the Arctic’
- Developing Guidelines for Reducing Underwater Noise from Ship Operations in the Arctic’

Background documents (Agenda 5):

AMSA Final Report (2009)

3<sup>rd</sup> report on the Status on Implementation of the AMSA Report Recommendations for 2013-2015.

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## **AGENDA 6 – Follow up on the Arctic Offshore Oil and Gas Guidelines (AOOGG 2009)**

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Agenda 6.1(a): REDEG scope of work survey results

Annotation to agenda 6.1(a)

Agenda 6.1(b): Draft ToR for REDEG, version 20 Jan.

Annotation to agenda 6.1(b)

Agenda 6.2(a): MEMA Workshop Report, draft version 18 Jan

Agenda 6.2(a) Background: AC Indigenous Engagement Recom by Foundational Components

Annotation to agenda 6.2(a)

Agenda 6.2(b): MEMA Part 1 Report, version 20 Jan

Annotation to agenda 6.2(b)

Agenda 6.3(b): AOOGG 2009 Update Survey Responses-3 questions

Annotation to agenda 6.3(b)

Agenda 6.4: MEMA Part 2 work plan 2017-2019, version 20 Jan

Annotation to agenda 6.4

Background documents:

Arctic Council Offshore Oil and Gas Guidelines (2009)

System Safety Management and Safety Culture Report (2014)

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## **AGENDA ITEM 7 – Ecosystem-based Approach to Management**

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Agenda 7.1: EA-EG progress Report 2015-2017

Agenda 7.2: EA Conference Report, final draft 20 Jan 2017

Agenda 7.3: Status on implementation of EA in the Arctic Report

Agenda 7.3: Appendix to Status of Implementation of EA in the Arctic

Agenda 7.4: 1st interim report of WGICA, May, 2016

Agenda 7.4: Executive Summary, Status and Summary of the work of the ICES/PAME working group (WGICA)

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## **AGENDA ITEM 8 – Preparations for the 2017 Ministerial Meeting:**

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Agenda 8.1: PAME Achievements 2015-2017 for SAO Report to Ministers, draft 16 Jan

Agenda 8.1: Agenda 8.1-PAME section on achievements in SAO report to ministers draft version 16 Jan 2017 - USA comments 16 Jan 2017

Agenda 8.2: Annotation to agenda items 8.2(a) and 8.2(b)

Agenda 8.2(a): PAME work plan 2017-2019 for SAO Report to Ministers, version 16 Jan

Agenda 8.2(b): PAME 2017-2019 Work Plan (longer version), version 16 Jan



Agenda 8.2(b): draft PAME 2017-2019 work plan (long version) - USA comments 16 Jan 2017

Agenda 8.3:

- ✓ PAME 1st draft project plan for marine litter activities, revised 26 Jan
- ✓ PAME 1st draft project plan for marine litter activities
- ✓ SDWG Arctic EIA Proposal 14Nov
- ✓ CAFF and PAME Call for Cooperation on SDWG EIA project
- ✓ WWF proposals (email 23 Dec):
  - Developing a Handbook and Identifying Research for Reducing Impacts from Shipping on the Habitat of Ice'
  - Developing a Low Impact Shipping Corridor Framework for the Arctic'
  - Developing Guidelines for Reducing Underwater Noise from Ship Operations in the Arctic'

Agenda 8.4: 1st draft AMSP implementation report (2015-2017)-working document

Background documents:

AMSP 2015-2025

AMSP Implementation Plan

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**Additional Information**

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PAME 2015-2017 Work Plan

List of participants, version 25 January 2017

List of documents, version 27. January 2017

Common Operating Guidelines for Arctic Council Working Groups

PAME I-2017 logistics, hotels and map

List of nominated experts (Jan. 2017 version)

# PAME

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