



RECORD OF DECISIONS AND FOLLOW-UP ACTIONS

PAME II-2016 (19-21 September 2016)

Portland, Maine

Opening of the Meeting

PAME thanks the United States for hosting this Meeting and notes with appreciation the welcoming remarks from the PAME Head of Delegation for the United States, Elizabeth McLanahan.

Information from the Chair and Secretariat (Agenda Item 3)

PAME took note of:

- ✓ *the reflections and outcomes from relevant Arctic Council meetings including the SAO meeting 16-17 March 2016, the active communications and meetings of the Arctic Council SAO Chair with working groups chairs and secretaries, and the Task Force on Marine Cooperation (TFAMC) as summarized by the PAME Chair, Renée Sauvé; the Scientific Cooperation Task Force (SCTF) as summarized by the PAME vice-chair, Elizabeth McLanahan; and the EPPR June 2016 meeting as summarized by Dennis Thurston and Drummond Fraser.*
- ✓ *The Our Ocean Conference in Washington D.C. 15-16 September 2016 as summarized by the PAME Vice-Chair, Elizabeth McLanahan.*
- ✓ *The summary of Finland's 2017-2019 Chairmanship Program which will be presented at the upcoming SAO meeting 4-6 October 2016.*

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

PAME notes the status and welcomes the next steps on the inventory mapping of existing Arctic MPAs project (joint effort by the PAME and CAFF and Secretariat)) and supports the revised timeline as follows:

- ✓ *September-October 2016: PAME and CAFF Secretariats prepare 2nd draft summary MPAs Indicator Report, incorporating additional input and data received from member states after circulating the 1st draft. The aim is a short and concise visual document directed towards policy and decision makers that indicate status and trends regarding marine protected areas in the circumpolar Arctic.*

- ✓ October 2016: Secretariats to send out 2nd draft summary Indicator Report for review and comments by member states and Permanent Participants with the aim to finalize the document at next working group meetings (February 2017 for PAME).
- ✓ February 2017: Agree on the final version of the summary Indicator Report and request approval for release of datasets.
- ✓ February–May 2017: Release harmonized dataset and indicator report. Indicator Report will be a Ministerial Deliverable.

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:

- ✓ October 14: PAME Members¹ submit to Project Leads any additional examples of area-based conservation measures and a description of how they are used to address pressures and threats to habitats and species.
- ✓ October 28: Project Leads provide the toolbox products (Table and Summary Report) and follow-on 2017-2019 Work Plan proposal(s) to PAME Members for review.
- ✓ November 30: Deadline for PAME members to submit comments to project leads.
- ✓ Early January: Project Leads circulate revised documents to PAME Members.
- ✓ Early February: Deadline for PAME Members to submit 2nd round comments at PAME-I 2017.
- ✓ Mid-February: Draft final products due to the SAOs.

By November 30, PAME requests recommendations of experts (including government, indigenous peoples, academia, international organizations, and others) for participation in the 2nd connectivity workshop. MPA co-leads will send out a letter of invite with further information and expertise required in line with the Terms of Reference (ToR).

PAME recommends that the 2nd connectivity workshop be shifted from November 2016 to Spring 2017. Per the approved project description, this workshop will integrate the models from the 1st workshop and discuss how climate change affects ecological connectivity and what opportunities other area-based measures provide for supporting Arctic MPA networks under changing conditions.

PAME thanks Sweden and Finland for their presentation; supports the proposed “3rd workshop” on MPA networks and climate change; notes the decision by PAME to invite OSPAR to participate in the workshop; and requests a revised project proposal for PAME-I 2017.

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 activities and the 2nd and 3rd workshops. PAME Heads of Delegations are also encouraged to reach out to their respective CAFF Heads of Delegations.

¹ PAME Members refers to Arctic States, Permanent Participants and Observers

PAME thanks the OSPAR representative, Charlotte Mogesen for the presentation on its work that are of relevance to present and future work of PAME, including on MPAs, marine litter, underwater noise, shipping, release of hazardous substances, offshore oil and gas, ocean acidification and renewable energy sources. PAME will consider extending an invitation to OSPAR to attend future PAME meetings, as appropriate.

PAME thanks the USA for presenting the outcomes from the workshop – From Policy to Implementation in the Arctic: Protected Areas Networks as Tools for Conservation and Adaptation to Transformational Change – at the IUCN World Conservation Congress that took place 1-10 September 2016 in Hawaii.

PAME thanks the ICC Chair, Okalik Egeesiak for her update on the Pikialasorsuaq (North Water Polynya) Commission and invites ICC to provide PAME with updates on their work.

Arctic Marine Shipping Assessment (Agenda Item 5)

AMSA I(A) – Linking with International Organizations

PAME welcomes future opportunities to work with, and leverage the expertise of, the International Association of Marine Aids to Navigation and Lighthouse Authorities (IALA) in consultation with EPPR as appropriate on projects in areas of common interest related to safe and environmentally sound shipping in the Arctic.

PAME welcomes the invitation from IALA for a member of PAME's Shipping Expert Group to participate in the 2017 IALA-IHO Seminar on Arctic Navigation at IALA Headquarters in St. Germaine en Laye, France.

PAME thanks U.S. Coast Guard Capt. Scott Smith for his presentation on behalf of the Arctic Coast Guard Forum regarding its mandate and mission as well as on issues of common interest between the two bodies.

PAME thanks the Arctic Regional Hydrographic Commission (ARHC) for the 14 September 2016 report regarding its recent work, including with respect to the update of the Chart Adequacy Risk Assessment and Arctic Marine Spatial Data Infrastructure efforts. PAME gratefully accepts the ARHC's offer to submit a report to PAME I-2017 on the outcome of the ARHC's Sixth Meeting, scheduled for 3-6 October 2016.

PAME thanks Mr. Bruce Harland of Crowley Maritime for his presentation on behalf of the Arctic Economic Council, particularly regarding its Maritime Transportation Working Group.

PAME requests the Secretariat to extend an invitation to a representative of the WMO-IOC Joint Technical Commission for Oceanography and Marine Meteorology (JCOMM) Expert Team on Sea Ice (ETSI) to make a presentation at PAME I-2017 on its Arctic-related projects, priorities and activities, and to identify potential areas where ETSI and PAME might collaborate on issues of common interest.

PAME welcomes the proposal for it to establish an Arctic Shipping Best Practices Information Forum and invites Arctic States, Permanent Participants and Observers to submit comments on the draft Terms of Reference (ToR) as amended at PAME II-2016 to the Secretariat by 15 November 2016. PAME instructs the Shipping Expert Group Co-Chairs to address comments received and distribute a revised draft 30 days in advance of PAME I-2017 with the aim of final

ToR approval and adoption by PAME and submission to the SAOs and the Arctic Council Ministerial Meeting in April 2017.

PAME requests the Secretariat to invite a representative from the national shipping association of the country hosting PAME I-2017 to make a presentation at that meeting on Arctic shipping issues, including with respect to the use and carriage by vessels in the Arctic of HFO.

PAME invites each Arctic State to collect information from its domestic shipping industry on operational aspects of the use and carriage of HFO by ships in the Arctic, and submit a summary of such information to PAME I-2017.

PAME invites Canada to submit a brief update to the SEG at PAME I-2017 on the outcomes of the 17th Meeting of the International Ice Charting Working Group (IICWG) (October 24-28, 2016) with respect to shipping.

AMSA I(B) – IMO Measures for Arctic Shipping

PAME welcomes the final version of the HFO Phase III(a) paper entitled “Heavy Fuel Oil & Other Fuel Releases from Shipping in the Arctic and Near-Arctic.” PAME requests its Secretariat to post the paper’s Appendix A (Shipping Incidents and Sources) to PAME’s website with an ongoing invitation for the SEG to expand upon and further refine the Appendix as necessary.

PAME thanks Norway for the final HFO Phase III(b) report entitled “Possible Hazards for Engines and Fuel Systems Using Fuel Oil in Cold Climate” prepared by Ramboll and MARINTEK. PAME requests that the Secretariat post the report to the PAME website.

PAME invites its Members to submit 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).

PAME invites its Members to submit views to PAME I-2017 on whether PAME should pursue the following project proposals (or any other project proposal) in connection with mitigating risks associated with the use and carriage of HFO by vessels in the Arctic. For project proposals an Arctic State or Permanent Participants supports, it is requested to indicate whether it would be willing to serve as lead/co-lead:

- ✓ *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;*
- ✓ *In partnership with SDWG, collect, report and/or review information about on-shore use by indigenous and local communities of HFO as well as the extent to which such communities rely on ships that burn HFO to deliver supplies and provisions;*
- ✓ *Prepare an information paper summarizing PAME’s work on HFO for submission by Arctic States to IMO’s Marine Environmental Protection Committee; and*
- ✓ *Commission a study that explores the environmental, economic, technical and practical aspects of the use by ships in the Arctic of alternative fuels, including LNG.*

PAME invites Finland and the Russian Federation to develop a project proposal for PAME I-2017 regarding how PAME could report on Polar Code implementation, Port State Control Regime statistics on ship compliance, and challenges, if any, in observing the Polar Code.

PAME encourages timely implementation of and compliance with the Polar Code.

PAME requests the Secretariat to circulate the current Task Force on Arctic Marine Oil Pollution Prevention (TFOPP) Action Plan and Implementation Framework to the Shipping Expert Group for its awareness.

AMSA I(D) – Strengthening Passenger Ship Safety

PAME invites Canada and the USA to continue efforts -- possibly in collaboration with the AEC's forthcoming Tourism Working Group -- to identify a private sector representative who could be invited to make a presentation at a future PAME meeting on safe and environmentally sound navigation in the Arctic by non-commercial yachts and pleasure craft.

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

PAME thanks Leah Bower of the Aleut International Association for her presentation on Arctic Indigenous Marine Use: Tools for Communities Project Update.

AMSA II(B) – Engagement with Arctic Communities

Refer to RoDs for agenda item 6 on the MEMA Project.

AMSA II(D) – Specially Designated Arctic Marine Areas

PAME invites the Regional Reception Facilities Project (RRFP) Expert Group (EG) co-chairs to co-ordinate intersessional comment on and finalization of the working document on RRFP and RA for the Arctic using Annex I and Annex II of the PAME (II)16/5.4/a/AMSA II(D): RRFP. The document will be the basis for a draft paper to be considered at PAME I-2017 for co-sponsorship/support of all Arctic States to a future meeting of IMO's Marine Environmental Protection Committee. PAME identifies the RRFP as a deliverable for the April 2017 Arctic Council Ministerial Meeting.

PAME decides to suspend its AMSA II(D) Project (exploring the need for internationally designated areas for the purposes of environmental protection high seas areas of the Central Arctic Ocean) pending receipt of information from CAFF and/or the ICES/PAME Working Group on Integrated Ecosystem Assessment for the Central Arctic Ocean on areas that are considered particularly vulnerable to international shipping activities.

Refer to the RoD under agenda item 6 on ICES/PAME WGICA.

AMSA II(E) - Protection from Invasive Species

PAME invites its Members to coordinate with their CAFF counterparts the review of and comment on the 2 August 2016 draft Arctic Invasive Alien Species (ARIAS) Strategy and Action Plan as soon as practicable, noting that the 2nd ARIAS workshop is scheduled for 26-30 September.

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 January 16-20, 2017 meeting of IMO's Sub-committee on Pollution Prevention and Response, to the Shipping Expert Group at PAME I-2017.

AMSA III(B) – Arctic Marine Traffic Systems

PAME thanks the Arctic Shipping Traffic Data (ASTD) Expert Group (EG) for its ground-breaking development of a proposed system which will allow for user friendly maritime traffic analyses of Arctic shipping data. This project includes the following documents prepared by the ASTD EG: the ASTD System Design Document, the Data Sharing Memorandum of Understanding, the Cost Sharing Document, and the End User Licensing Agreement (EULA).

PAME recognizes the value the proposed ASTD system can provide to PAME and other Arctic Council subsidiary bodies, creating an important capability that the Arctic Council currently lacks.

PAME approves the ASTD project Phase II (System Design Document) and authorizes the ASTD-EG to continue its intersessional work to finalize the project and accordingly requests each Arctic State to:

- 1. review and submit comments to the ASTD-EG **by 15 November 2016** on the draft Data-Sharing MOU and the draft Cost Sharing Document (including whether Cost Sharing Option #1 or Cost Sharing Option #2 is preferred) with the aim of approving final versions of these documents at PAME I-2017; and*
- 2. Inform PAME I-2017 whether it will be able to commit its pro rata share of the necessary funds as outlined in the Cost Sharing Document.*

PAME notes that the USA will continue to serve as the overall lead for this project and that the SAOs have invited a briefing on the ASTD project at their October 2016 meeting.

Other Items

PAME thanks Dr. Young Kil Park of the Korea Maritime Institute for the invitation it extended to PAME shipping experts to attend Korea's "1st Arctic Partnership Week" in Busan, Korea (6-9 December 2016) to discuss projects and issues on PAME's shipping agenda with Korean experts. PAME notes that representatives from Canada, the USA, AIA and the Secretariat have preliminarily indicated their intention to attend.

*PAME invites its Members and other Working Groups to submit comments on the current draft of the PAME Implementation Progress Report (2015-2017) to the project co-leads (Finland, Iceland, Norway) **by 7 November 2016**. The comments received will be incorporated into an updated draft and circulated to PAME Members by **2 December 2016**. PAME Members are invited to review the revised draft with the aim of approving the report at PAME I -2017 for submission to the SAOs and the Arctic Council Ministerial Meeting in April 2017.*

*PAME invites its Members and other Working Groups to submit **by 7 November 2016** what they consider the Arctic Council's main achievements with regard to implementation of the 2009 AMSA Report Recommendations.*

PAME invites the submission to the Secretariat by 15 January 2017 of high-resolution photos of AMSA relevant scenes for possible inclusion in the AMSA Implementation Progress Report (2015-2017).

PAME invites its Members to submit comments to PAME I-2017 on the paper entitled "Proposed Criteria for Prioritizing PAME's Shipping-Related Work", in particular on the framework set forth for prioritizing PAME's shipping related work and on the proposed priorities and areas of

focus with the aim of identifying updated priority themes for guiding PAME's shipping-related work into the future.

PAME requests the Secretariat to invite Italy as an Arctic Council Observer State to submit a paper to and make a presentation at PAME I-2017 on its Arctic shipping interests.

PAME welcomes ongoing attendance at its semi-annual meetings by an EPPR representative, including participation in PAME's Shipping Expert Group.

Arctic Offshore Resource Exploration and Development (Agenda item 6)

PAME requested that the Resource Exploration and Development Expert Group (REDEG) refine the draft Terms of Reference for approval at PAME I-2017.

PAME to call for information surveys from all Member States and Permanent Participants, and selected outside expert organizations as appropriate, to inform the scope of work for the REDEG and to suggest priorities in their information surveys. REDEG to provide a template for this purpose. Input is requested by December 21, 2016.

PAME requests the Secretariat to invite OSPAR and possibly other experts to make presentations on their offshore work to inform the REDEG at PAME I-2017.

PAME requests its Members to provide updates to their online links for updating the Arctic Offshore Oil and Gas Regulatory Resource (Website) by PAME I-2017.

Meaningful Engagement of Indigenous Peoples and Communities in Marine Activities project (MEMA):

PAME thanks the Bowdoin College for hosting the MEMA Workshop, and was grateful for the financial assistance provided by Global Affairs Canada, Aleut International Association, World Wildlife Fund for Nature and the Circumpolar Conservation Union, in support of this project.

PAME welcomes the initial report from the MEMA Workshop which was hosted at Bowdoin College in Brunswick, Maine on September 17, 2016. The outcomes from the Workshop may form part of the MEMA report.

PAME to seek cooperation with SDWG and the Permanent Participants to follow-up on the MEMA outcomes by PAME I-2017.

*Final Draft MEMA Report to be delivered to project leads **by October 7, 2016**. PAME to circulate to its Members **by October 19, 2016** with a request for comments 45 days before the PAME I-2017.*

The REDEG to produce the MEMA Summary Report for approval at PAME I-2017 for submission to the 2017 Ministerial.

PAME requests its Secretariat to finish MEMA Interactive online database by PAME I-2017.

Selected Updates of the 2009 Arctic Offshore Oil and Gas Guidelines (AOOGG):

*PAME requests REDEG to review the recommendations from the Systems Safety Management and Safety Culture Report with the aim to select specific actionable and reportable implementation items. The REDEG co-leads to approach EPPR **by November 15, 2016** to explore if they would like to coordinate the reporting of these implementation actions*

*PAME to survey the Member States and Permanent Participants on the following questions **by November 15, 2016** in order to inform REDEG on whether to include possible updates of the Arctic Offshore Oil and Gas Guidelines (AOOGG 2009) in the 2017-2019 work plan:*

- 1. Whether they use the AOOGG guidelines or parts of the guidelines and if not, then are guidelines needed?*
- 2. Are there other reasons to update or expand on the remaining sections of the oil and gas guidelines?*
- 3. If there are reasons, then what parts of the guidelines could benefit from expansion or updating?*

Ecosystem Approach to Management (Agenda item 7)

PAME welcomes the progress report on the work of the Ecosystem Approach expert group (EA-EG) describing work over the last half year according to agreed work plan for 2015-2017 period.

PAME welcomes the initial report from the international conference on status of implementation of the Ecosystem Approach to management in the Arctic which was held in Fairbanks, Alaska, 23-25 August 2016 and note that a final report is to be presented at PAME I-2017.

PAME welcomes the plan to produce the report “Status on implementation of EA in the Arctic” as one of the deliverables for the 2017 Ministerial meeting. Arctic States, PPs and observers are again invited to contribute more information on national EA implementation to be used in this report and are urged to send it to the PAME secretariat by 30th of October 2016.

PAME welcomes the First Interim Report of the ICES/PAME Working Group on Integrated Ecosystem Assessment for the Central Arctic Ocean (WGICA) that met at ICES Headquarters in Copenhagen 24-26 May 2016. PAME notes the plans for further work over the next two years and encourages that work on vulnerability towards potential impacts of shipping be carried out as a priority to support the work on the AMSA II(D) recommendation.

PAME notes the importance of close collaboration between the MPA and the EA expert groups and their work.

Other

PAME thanks UNEPs representative, Monika Thiele for her presentation on their global initiative on marine litter and took note of their recommendations to PAME on Possible Marine Litter Actions. Noting in particular the importance of the efforts of regional seas conventions (e.g. OSPAR, HELCOM) and other regional efforts (e.g. Nordic Council of Ministers) the PAME Secretariat is requested to send these recommendations to PAME members for their review with the aim to explore the possibility of developing a new PAME project on this subject for inclusion into the 2017-2019 Work Plan. PAME Members are invited to submit a summary of the types of relevant scientific, assessments, and other information available, to inform possible PAME projects.

PAME thanks the representative from France, Sébastien Gadal for his presentation on their Arctic interests noting in particular their National Roadmap for the Arctic and its relevance to PAMEs work (website: http://www.diplomatie.gouv.fr/fr/IMG/pdf/frna_-_eng_-_interne_-_prepa_-_17-06-pm-bd-pdf_cle02695b.pdf)

Preparations for the 2017 Ministerial Meeting (Agenda item 8)

PAME Members are requested to complete the PAME project plan template for new projects to be included in the PAME 2017-2019 Work Plan. Deadline to submit project plans for new projects for consideration into the PAME 2017-2019 Work Plan is due 30 days prior to PAME I-2017.

The SAO Report will be divided into two parts: a work plan for 2015-2017 and a report on 2013-2015 achievements. The Meeting agreed to the following process and timeline:

PAME Work Plan 2017-2019 (Agenda Item 8.1)

- ✓ *PAME Chair and Secretary to prepare a 1st draft of the PAME 2017-2019 Work Plan, based on the discussions at this Meeting and the proposed activities as listed in Annex I **by 17th of October.***
- ✓ *PAME Members to provide comments and indications/confirmations on leads for the continuation of existing PAME activities, proposals for new projects/activities and lead responsibilities **by 14th of November.***
- ✓ *PAME Chair/Secretariat to submit the revised draft PAME 2017-2019 Work Plan for submission to the Arctic Council process **by 21st of November** deadline as provided by the Arctic Council chairmanship.*
- ✓ *PAME Members to provide comments to the 21st of November version **by end of December 2017** to allow for sufficient time for a revised version of the PAME 2017-2019 Work Plan to be sent out prior to the PAME I-2017 meeting for review and agreement for submission to SAOs and Ministerial meeting.*

Report on 2015-2017 Achievements

- ✓ *PAME Chair and Secretary to distribute 1st draft PAME 2015-2017 achievements for the SAO Report to PAME members by 17th of October with a deadline for comments **by 14th of November.** The 1st draft will be submitted to the Arctic Council chairmanship by the 21st of November 2016 as per this request.*
- ✓ *Final draft PAME contributions to the SAO Report and the final list of PAME 2017 Ministerial deliverables distributed in **January 2017** for comments and final approval at the PAME I-2017 meeting.*
- ✓ *Preliminary list of PAME deliverables to the 2017 Ministerial is in Annex II.*

PAME Administration Next Meeting

PAME requests its Chair to present status and progress to the upcoming SAO meeting 4-6 October 2016 on the PAME deliverables as requested by the U.S. Chairmanship, in addition to a 2-pager PAME progress report and a draft PAME list of 2017 Ministerial deliverables (Annex II).

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

PAME warmly thanks Dana Eidsness, MENADO, and the Maine Host Committee for their generous hospitality, including the network reception on 19 September at the U.S. Custom House.

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

The location and timing of the next PAME Meeting is to be determined but is expected to be followed by a 2-day meeting of the TFAMC from Thu-Fri.

PAME thanks Finland for their offer to host the PAME II-2017 meeting in Helsinki, Finland and note the need to decide on the dates as soon as possible (back-to-back with the MPA Fall 2017 Workshop).

Annex I - Proposed Projects for PAME Work Plan (2017-2019)

PAME invites its Members to submit to PAME I-2017 their views on the proposed 2017-2019 work plan items listed below:

Framework for a Pan-Arctic Network of MPAs:

- ✓ Expansion/refinement of MPA Toolbox, including the MPA networks and climate change workshop in Helsinki and a workshop integrating indigenous knowledge and use to advance MPA Networks.
- ✓ Production of communication materials

Arctic Marine Shipping:

1. A project to collect and report Information on the number and types of ships in the Arctic in the most recent two-year period that used HFO as fuel or transported it as cargo, including if available the volume of HFO carried as bunker fuel or cargo as well as the Arctic destination of HFO transported as cargo.
2. A project in partnership with SDWG to collect, review and/or report information about on-shore use by indigenous and local communities of HFO as well as the extent to which such communities rely on ships that burn HFO to deliver supplies and provisions.
3. A joint PAME/EPPR project to develop a compendium of shipping accidents in the Arctic for the period 2005 – 2017.
4. A project to develop an approach for more systematically engaging with Observer States on PAME's shipping-related work, and identifying possible opportunities for Observer States to support such work.
5. A project to develop updated thematic priorities to guide PAME's shipping-related work into the future.
6. A project to operationalize the ASTD project.
7. A project to operationalize the Arctic Shipping Best Practices Information Forum.
8. A project co-led by Finland and the Russian Federation for PAME to report on Polar Code implementation, Port State Control Regime statistics on ship compliance, and challenges, if any, in observing the Polar Code.

Arctic Offshore Resource Exploration and Development (REDEG):

- ✓ PAME to explore cooperation with SDWG and the PPs to follow up on the MEMA outcomes by PAME I-2017.
- ✓ Possible follow up to the AOOGG 2009.

Ecosystem Approach to Management (EA):

Following are the proposed EA work plan items for the 2017-2019 period. The PAME Secretariat is requested to share these items with AMAP, CAFF and SDWG and seek their participation and designated points of contact by 1st of November.

- ✓ Prepare guidelines for EA/EBM implementation in Arctic (marine) ecosystems (Iqaluit declaration) based on the 6 element EA Implementation Framework, to include:

- Considering/preparing guidelines for how to set ecological objectives.
 - Continuing review of developments in IEAs of Arctic LMEs and reviewing the status of EA implementation by LMEs.
 - Considering (project/scoping paper) developing guidelines for management of MPA networks and for examining how the geographic scope of LMEs supports the functionality of MPA networks, including a joint workshop on MPA networks, EBSAs, and LMEs.
- ✓ 6th EA workshop summer 2017- Possible Topic: Values and valuation?
 - ✓ Joint workshop on EA and MPAs/EBSAs.
 - ✓ Report on status of implementation of EA in the Arctic, including a possible 2nd International EA Conference in 2018.

Annex II - Preliminary list of deliverables to the 2015 Ministerial

This list will be further refined for the PAME I-2017 final approval

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)

Arctic Marine Shipping:

- ✓ 4th AMSA Implementation Progress Report for the period 2015-2017.
- ✓ Arctic Invasive Alien Species Strategy and Action Plan (ARIAS).
- ✓ Two reports on the HFO Phase III project:
 - HFO Phase III(a): Heavy Fuel Oil releases from Shipping in the Arctic.
 - HFO Phase III(b): Possible Hazards for Engines and Fuels Systems Using Heavy Fuel Oil in Cold Climates.
- ✓ Final Terms of Reference (ToR) for an Arctic Shipping Best Practices Information Forum,
- ✓ Final report on the Regional Reception Facilities plan.
- ✓ Approval and launching of the ASTD databased within the Havbase system.

Arctic Offshore Resource Exploration and Development (REDEG):

- ✓ Final Summary Report, and possibly other reports, on the Meaningful Engagement of Indigenous Peoples and Communities in Marine Activities (MEMA) and MEMA Interactive Online Database.

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”.

Other:

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