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PAME Summary Progress Report

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PAME's 2nd biannual meeting of 2019 (PAME II-2019) was held at the University of Iceland, and the island of Viðey, from 9-12 September. Monday 9 September was dedicated to pre-meetings of PAME's five thematic expert groups (shipping, marine protected areas, ecosystem approach, marine litter, and resource exploration and development).

Marine Protected Areas (MPAs): Canada presented on the main outcomes from the 4th MPA workshop on *Exploring ways to support Indigenous/Local involvement in, and Indigenous/Local led, marine protection in the circumpolar Arctic Ocean* held 19-21 March in Cambridge Bay, Nunavut. PAME will continue to discuss how to integrate the findings from the workshop into ongoing PAME work, which may include the MPA Network Toolbox and the Meaningful Engagement of Indigenous Peoples and Local Communities in Marine Activities (MEMA) Handbook project. The workshop report will be circulated before PAME I-2020

Sweden provided an update on the *Modelling Arctic oceanographic connectivity to further develop PAME's MPA Network Toolbox* project. A call for nominations of experts to serve in a scientific reference group for this project has been sent out to Arctic Council members and all working groups (WGs). PAME recognizes the importance of collaboration with CAFF on this project.

The two co-leads, Finland and USA, gave an update on the project *developing Factsheets related to MPAs and Indigenous Peoples' Lives Under Change*. A call for nominated experts to serve in a reference group advising on this project has been sent out to PAME members and all WGs. PAME notes the importance of collaboration with other Arctic Council WGs to this project and a project expert group meeting is under preparations with the aim to advance this project.

Invasive Species: Discussion between the CAFF and PAME Chairs are ongoing with the aim to reach an agreement on proposed next steps in the implementation of the Arctic Invasive Alien Species strategy (ARIAS). Status and next steps will be provided to PAME I-2020.

Arctic Marine Shipping: PAME and its Shipping Expert Group continue to advance several projects and initiatives to promote safe and sustainable navigation in the Arctic.

The 3rd annual Arctic Shipping Best Practice Information Forum meeting took place 3-4 June 2019 in London, UK.

Iceland currently chairs the Forum. PAME's Forum Coordinating Committee prepared an Information (INF) Paper about the Forum submitted by all Arctic States to the 101st Session of the IMO's Maritime Safety Committee (5-12 June 2019). The Coordinating Committee has initiated preparations for the 4th Forum meeting which is anticipated to be convened 9-10 May 2020 in London, UK.

A workshop for more systematically engaging Observers in PAME's shipping related work was held on 4 June 2019 with further information and the meeting summary report [here](#). The project co-leads USA, Poland, Republic of Korea, Italy, and Northern Forum will submit an update of further work at PAME I-2020.

PAME has approved in principal a non-binding Memorandum of Understanding (MOU) with the Arctic Regional Hydrographic Commission to enable more collaboration between our organizations. The draft MOU now awaits SAO approval.

PAME has invited IMO and ICES to submit information on topics and developments of relevance to PAME's shipping-related work.

Norway has created a template and invited each Arctic State and each Observer State to submit information on how it understands and applies in practice the IMO Polar Code.

PAME continues work on Heavy Fuel Oil (HFO) including the project collecting and reporting about On-Shore use by Indigenous Peoples and Local Communities of HFO. AIA has prepared a final field survey report and PAME members are invited to submit any additional information they may have. USA has submitted a literature review on this topic. PAME will continue to coordinate with SDWG as appropriate. PAME continues to communicate with IMO on mitigating the risks associated with the use and carriage of HFO by ships in Arctic waters.

Finland and Iceland will provide an update of the project titled "Black carbon emissions concerning shipping activity in the Arctic and technology development for their reduction", taking into account relevant developments at IMOs Sub-Committee on Pollution Prevention and Response (PPR) 6th Session and IMOs Sub-Committee on Marine Environment Protection Committee (MEPC) 74th Session.

Canada, Iceland and AIA submitted the final report titled "An Overview of Low-Impact Shipping Corridors and other Shipping Management Schemes in the

Circumpolar Arctic". The report will be transmitted to EPPR for any appropriate additional follow-up.

Canada, Iceland and UK, provided a status report on the Arctic Marine Tourism Project including the compilation of data on tourism vessel statistics in the Arctic using the Arctic Ship Traffic Data (ASTD) database to better understand recent developments and trends and identify gaps in data.

Canada and WWF have prepared a draft Statement of Work for "Developing Acoustic Intensity Maps for Shipping in the Circumpolar Arctic" and will submit an update to PAME I-2020.

PAME is in the process of adding new data layers to the Arctic Shipping Traffic Database (ASTD) System and will send out a survey to Arctic Council WGs and subsidiary bodies on their data (?) needs. PAME recognizes the need to explore opportunities to inform the SAOs and other Arctic Council WGs and subsidiary bodies on ASTD developments.

Topic ideas are being explored for the Arctic Shipping Status Report (ASSR) Project and a test report will be submitted to the PAME I-2020.

Arctic Offshore Resource Exploration and

Development: The co- leads reported on progress on development of a "Handbook" or reference tool(s) for Indigenous Peoples and Local Communities based on the MEMA Part II Report (2019) and the MEMA database. The co-leads consider this to be a communications exercise and have engaged a communication specialist to scope out user needs such that the tool(s) are designed to meet those needs. Their first meeting was in Reykjavik on 8 September 2019. The co-leads will explore possible linkages between MEMA and MPA and EA work..

The project on developing an update/status report on current offshore oil and gas activities by Arctic States will collect relevant information on post 2010 legislation, regulations, and practices. Arctic states have been asked to submit this information based on the survey already circulated. This will be compiled into a report or white paper and a possible fact sheet and for possible inclusion in the ASTD System.

Ecosystem Approach to Management (EA): The EA-expert group reported from the Second International Science and Policy Conference on Implementation of the Ecosystem Approach to Management in the Arctic in Bergen, Norway, 25-27 June 2019 (further information [here](#)). The conference report will form the basis for a status report on EA implementation in the Arctic to be prepared by the end of the current work plan period.

Planning of a 7th EA workshop in 2020 on element No. 5 of the EA framework, 'Value the cultural, social, and economic goods and services produced by the

ecosystems', has started and a draft workshop prospectus developed.

The plan to prepare the "Report on development in defining or setting Ecological Objectives" is underway and a first draft will be prepared with input from PAME members and the EA expert group in 2020.

Development of a Regional Action Plan on Marine Litter in the Arctic (ML-RAP):

A draft outline has been prepared as a general guide to begin the development of a ML-RAP. A ML expert group has been established with nominations from PAME Members and other Arctic Council WGs. A call has been sent out for submission of relevant source documents.

The marine litter communication and outreach activities as implemented by the Secretariat are ongoing, and Iceland's Minister for the Environment and Natural Resources launched the 1st GPS tracking "message in a bottle" on 12 September (live map [here](#)).

Collaboration and coordination with other working

groups: PAME works towards strengthening the coordination and collaboration with other WGs by inviting them to nominate experts in PAME's expert groups working on activities of mutual relevance. Furthermore, PAME makes an effort to participate in meetings of other WGs, e.g., through its HoDs for coordination purposes, and shares work in progress to seek input, as relevant.

PAME liaises with CAFF on MPA and invasive species work. PAME continues to coordinate its work with EPPR, noting in particular the project on "Compendium of Arctic Ship Accidents (CASA)". SDWG co-leads with PAME on a project to collect, report and/or review information about on-shore use by indigenous peoples and local communities of HFO. Input from all WGs will be sought for the RAP-ML and access to the ASTD System is open for the WGs as well.

Observers at the PAME II-2019 Working Group

Meeting: PAME continues to strengthen its engagement with Observers in PAME's shipping-related activities by inviting one representative for each meeting to give a presentation on its Arctic interest and activities. The Netherlands has been invited to give such a presentation at PAME I-2020. PAME II-2019 was attended by 86 participants, of which 25 were Observers, 10 representing Observer States: France, Germany, The Netherlands, Japan, People's Republic of China, Republic of Korea, United Kingdom, and Spain, and 15 representing Observer Organizations: WWF, IASC, Oceana, Northern Forum, Arctic Institute of North America, UNEP, CCU, IMO and NEFCO.

PAME Next Meeting: The next PAME meeting (PAME I-2020) will take place 3-7 February 2020 in Oslo, Norway at the Norwegian Environmental Agency.