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PAME Summary Progress Report SAO Meeting 13-14 March 2019, Ruka, Finland

PAME's 1st biannual meeting of 2019 (PAME I-2019) was held at the Hotel Scandic Triangeln in Malmö, Sweden from 5-7 February following pre-meetings of PAME's five thematic expert groups on 4 February (shipping, marine protected areas, ecosystem approach, marine litter and resource exploration and development).

Marine Protected Areas (MPAs):

Canada updated delegations on the 4th MPA workshop on *Exploring ways to support Indigenous/Local involvement in, and Indigenous/Local led, marine protection in the circumpolar Arctic Ocean* to be held 19-21 March (revised dates) in Cambridge Bay, Nunavut.

PAME approved two project proposals for inclusion in the 2019-2021 Work Plan: Sweden's "Modelling Arctic oceanographic connectivity to further develop PAME's MPA-network Toolbox" project, on which CAFF has expressed interest to collaborate, and Finland's project proposal on Factsheets related to MPAs and Indigenous People's Lives in a changing climate, on which PAME welcomes cooperation and input from other interested Arctic Council working groups (WGs).

PAME will pursue other projects as appropriate, such as the continued expansion and refinement of the MPA-network Toolbox, based on the outcomes of the 4th MPA workshop, and an update on the 2017 Arctic Protected Areas Indicator Report from the PAME and CAFF Secretariats.

Invasive Species:

Canada, as co-chair of the PAME-CAFF Joint ARIAS Implementation Coordination Group (ICG), provided an update on the status of the ICG and conveyed that CAFF will take the lead in a new governance process to coordinate moving forward on the ARIAS action plan items. The ICG may develop project proposals intersessionally for CAFF and PAME to consider including in their respective 2019-2021 work plans. The PAME Secretariat will continue liaising with the CAFF Secretariat on the developments of the ICG.

Arctic Marine Shipping:

PAME and its Shipping Expert Group continue to advance a number of projects and initiatives to promote safe and sustainable navigation in the Arctic. One key project is to update the 17 Ministerial-approved Recommendations contained in the 2009 Arctic Marine Shipping Assessment (AMSA) Report, as well as the recommendations in the Arctic Ocean Review Final Report (AOR 2013) and the Arctic Marine Strategic Plan (AMSP), in consultation with all other Arctic Council WGs and task forces, as relevant.

The 3rd annual Arctic Shipping Best Practice Information Forum meeting will take place 3-4 June 2019 in London, UK. Iceland will take over as Chair of the Forum corresponding to Iceland's Arctic Council Chairmanship from 2019-2021. PAME's Forum Coordinating Committee will organize the meeting and prepare a draft Information (INF) Paper about the Forum for possible submission by one or more Arctic States to the 101st Session of the IMO's Maritime Safety Committee (5-12 June 2019). A workshop for more systematically engaging Observers in PAME's shipping related work will also be organized on 4 June.

USA has developed a draft non-binding Memorandum of Understanding (MOU) with the Arctic Regional Hydrographic Commission, which had previously expressed its desire to develop such an MOU.

Norway presented the final report on the Environmental, Economic, Technical and Practical Aspects of the Use by Ships in the Arctic of Alternative Fuels.

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 IMO's Polar Code.

PAME encouraged Arctic States and Observer States that have not done so to ratify the Cape Town Agreement related to the safety of fishing vessels as soon as possible to contribute to its timely entry into force.

All Arctic States co-sponsored the draft paper on Regional Reception Facilities project titled "Proposal for a new output to amend MARPOL to allow the establishment of regional arrangements in the Arctic" for submission by the Russian Federation to the 74th Session of IMO's Marine Environment Protection Committee (MEPC) (13-17 May 2019). PAME invites Observer States to support the paper at MEPC 74.

PAME officially launched its ASTD Database on 7 February. PAME invited the use of the database in accordance with the ASTD Cooperative Agreement.



Fourteen initiatives have been suggested for inclusion in the PAME 2019-2021 Work Plan, see Annex I.

Arctic Offshore Resource Exploration and Development:

The Resource Exploration and Development Expert Group (REDEG) reported on progress and next steps on Part II of the Meaningful Engagement of Indigenous Peoples and Local Communities in Marine Activities (MEMA) Project. As a follow-up to this project, PAME agreed to include the preparation of a MEMA handbook for engagement with Indigenous peoples and local communities in the 2019-2021 Work Plan. Furthermore, the MEMA Information Database, a compilation of over 750 documents, is available online (www.memadatabase.is).

PAME also agreed to a new project in its forthcoming Work Plan to prepare an update/status report on current offshore oil and gas activities by Arctic states.

Ecosystem Approach to Management (EA):

PAME approved the Guidelines for Implementing an Ecosystem Approach to Management of Arctic Marine Ecosystems (Norway/USA/EA-EG) which will be up for approval by SAOs and Ministers in spring 2019.

The Second International Science and Policy Conference on Implementation of the Ecosystem Approach to Management in the Arctic will be held in Bergen, Norway, 25-27 June 2019. The Conference planning group includes representatives of PAME, AMAP, CAFF, SDWG, Permanent Participants, PICES, ICES and WWF.

PAME supported ongoing participation in the joint ICES/PICES/PAME Working Group on Integrated Ecosystem Assessment in the Central Arctic Ocean (WGICA), which will be included in the PAME 2019-2021 Work Plan, as well as the convening of the 7th EA Workshop in 2020 with a focus on element No. 5 of the EA framework: Value the cultural, social, and economic goods and services produced by the ecosystem, and a report on development in defining or setting Ecological Objectives.

Desktop Study on Marine Litter, including Microplastics, in the Arctic:

PAME welcomed the desktop study on marine litter, including Microplastics, in the Arctic and approved Phase II of the project, a regional action plan on marine litter in the Arctic for inclusion into the PAME 2019-2021 Work Plan. Confirmed co-leads for Phase II are: Iceland, Norway, Sweden, Canada, Finland, Kingdom of Denmark the United States, AIA and OSPAR. The project co-leads will ensure close collaboration with other Arctic Council WGs that are working on marine litter.

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 inputs, as relevant.

PAME liaises with CAFF on its 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)". A joint PAME-EPPR project proposal by Norway for the 2019-2021 work plan will be worked on intersessionally, and 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 Regional Action Plan on Marine Litter and access to the ASTD Database is open for the WGs as well.

Observers at the PAME I-2019 Working Group Meeting:

PAME continues its engagement with Observer States in PAME's shipping-related activities by inviting one representative for each meeting to give a presentation on its Arctic interest and activities. China gave such a presentation at PAME I-2019. PAME I-2019 was attended by 75 participants, of which 22 were Observers. Nine were from Observing States, representing the Republic of China, Italy, Japan, United Kingdom, Germany, Poland, the Netherlands, the Republic of Korea, and for the first time a representative from India participated in a PAME Working Group meeting. Thirteen came from Observing Organizations, representing; CCU, EEA, WWF, Northern Forum, UNEP, the Nordic Council of Ministers, the OSPAR Commission, Oceana and the Arctic Institute of North America.

PAME Administration for Next Meeting: Iceland has offered to host the next PAME meeting (PAME II-2019) in Reykjavik from 9-12 September 2019.

Annex I - Projects for inclusion into PAME Work Plan (2019-2021)

Marine Protected Areas: (4 activities):

- ✓ Modelling Arctic oceanographic connectivity to further develop PAME's MPA-network Toolbox. (Lead: Sweden)
- ✓ Factsheets related to MPAs and Indigenous People's Lives in a changing climate. (Co-Leads: Finland/USA)
- ✓ Continued expansion and refinement of the MPA-network Toolbox based on the outcomes of the 4th MPA workshop and other projects as appropriate. (Lead: MPA EG)
- ✓ Updating the 2017 Arctic Protected Areas Indicator Report jointly with CAFF Secretariat. (Leads: PAME/CAFF Secretariats)

Invasive Species

- ✓ The ARIAS Implementation Coordination Group (ICG) to develop project proposals intersessionally for CAFF and PAME to consider including in their respective 2019-2021 work plans.

Arctic Marine Shipping (14 activities):

- ✓ Black Carbon emissions from shipping activity in the Arctic and technology developments for reduction (Lead: Iceland, co-lead: Finland)
- ✓ Arctic Shipping Status Reports (Leads: USA, PAME Secretariat)
- ✓ Environmental toxicity and fate of light and intermediate fuel oils when spilled in cold waters (Lead: Norway (Joint project with EPPR) (To be revised/modified by Norway)
- ✓ Arctic Marine Tourism: Development in the Arctic and enabling real change (Lead: Iceland, co-lead: Canada)
- ✓ PAME-ARHC Memorandum of Understanding (Leads: USA/Canada)
- ✓ Underwater Noise in the Arctic – Understanding Impacts and Identifying Mitigation Strategy Options - Phase I (Co-leads: Canada/WWF/Finland(tbc))
- ✓ Compendium of Shipping Accidents in the Arctic (CASA): Follow-up (Lead: USA) (Joint project with EPPR) (ongoing continued from previous work plan)
- ✓ HFO Phase IV(b) - Collect, report and/or review information about on-shore use by indigenous peoples and local communities of HFO (Leads: USA, AIA, CCU (Joint project with SDWG)) (ongoing, continued from previous work plan)
- ✓ Collect and summarize information on Arctic State safe and low-impact marine corridor initiatives (Leads: Canada, Iceland and AIA) (ongoing, continued from previous work plan)
- ✓ A framework for more systematically engaging with Observers on shipping related matters (Co-leads: USA, Republic of Korea, Italy, Poland, Northern Forum (tbc)) (ongoing, continued from previous work plan)
- ✓ AMSA recommendation update refresh (Leads: USA/Canada) (ongoing, continued from previous work plan)
- ✓ Further development of the ASTD database (Leads: USA/Norway) (ongoing, continued from previous work plan)
- ✓ The Arctic Shipping Best Practice Information Forum (Leads: Iceland/USA/Canada) (ongoing, continued from previous work plan)
- ✓ An overview of Arctic States and Observer States interpretation of the Polar Code. (Lead: Norway)

Arctic Offshore Resource Exploration and Development (3 activities):

- ✓ MEMA handbook for engagement with Indigenous peoples and local communities (co-leads: Canada, United States and three Permanent Participants – AIA, ICC and Saami Council.)
- ✓ Update/status report on current offshore oil and gas activities by Arctic states (Lead: USA)



- ✓ Follow-up on the Framework Plan on Oil Pollution Prevention (FP-OPP) (jointly with EPPR; PAME leads: REDEG and SEG)

Ecosystem Approach to Management (EA) (4 activities):

- ✓ Convening of the 2nd International Science and Policy Conference on Implementation of the Ecosystem Approach to Management in the Arctic in Bergen, Norway 2019 (Leads: Norway/USA in close collaboration with the EA expert group)
- ✓ Convening of the 7th EA Workshop in 2020 with a focus on element No. 5 of the EA framework: Value the cultural, social, and economic goods and services produced by the ecosystems (Leads: Norway/USA in close collaboration with the EA expert group)
- ✓ Report on development in defining or setting Ecological Objectives (Leads: Norway/USA in close collaboration with the EA expert group).
- ✓ Integrated Ecosystem Assessment (IEA) of the Central Arctic Ocean (ongoing cross-cutting initiative in cooperation with ICES, PICES and the EA expert group).

Arctic Marine Pollution: Marine Litter (2 activities)

- ✓ Regional Action Plan on Marine Litter in the Arctic (co-leads: Canada, Kingdom of Denmark, Finland, Iceland, Norway, Sweden, USA, AIA, OSPAR)
- ✓ Communication and outreach activities:
 - i.* Marine Litter workshop/conference
 - ii.* Plastic in a bottle
 - iii.* Project video
 - iv.* Arctic marine litter competition
 - v.* Marine Litter graphics site on the PAME website for outreach purposes

Strategic Framework Documents

AMSP Implementation Status Report 2019-2021 (Leads: PAME HoD's, PAME Secretariat, in collaboration with the other Arctic Council WGs)



Annex II - List of deliverables to the 2019 Ministerial

PAMEs activities for SAO and Ministerial approval/welcome (6 activities):

- ✓ Underwater Noise in the Arctic: A State of knowledge report (Canada/WWF)
- ✓ Desktop study on Marine Litter, including Microplastics, in the Arctic (Phase I) (Iceland/Norway/Sweden/AIA/OSPAR)
- ✓ Guidelines for Implementing an Ecosystem Approach to Management of Arctic Marine Ecosystems (Norway/USA/EA-EG) (for approval by SAOs and Ministers)
- ✓ Meaningful Engagement of Indigenous Peoples and Local Communities in Marine Activities (MEMA) Part II Findings for Policy Makers (full report) (Canada/USA) (for approval by SAOs and Ministers)
- ✓ 2nd reporting on progress/implementation of the 2015-2025 Arctic Marine Strategic Plan (AMSP).
- ✓ PAME 2019-2021 Work Plan.

Following documents are for information and should be referred to as such within the PAME section of the SAO Report to Ministers (7 activities):

- ✓ Arctic Shipping Best Practice Information Forum Status Report, Web-portal and Press Release (Finland/Canada/USA/PAME Secretariat)
- ✓ Report on the environmental, economic, technical and practical aspects of the use by ships in the Arctic of alternative fuels (Norway/WWF)
- ✓ Arctic Ship Traffic Data Project Status Report, Database and Press Release (USA)
- ✓ Regional Reception Facilities project titled: Proposal for a new output to amend MARPOL to allow the establishment of regional arrangements in the Arctic for joint submission by all Arctic States to the 74th Session of IMO's Marine Environment Protection Committee (MEPC) (13-17 May 2019)
- ✓ MEMA database (Canada/USA/PAME Secretariat)
- ✓ Progress report on the EA-EG 2017-2019 work plan (Norway/USA)
- ✓ Integrated Ecosystem Assessment Report for the Central Arctic Ocean, pending its completion (Norway/USA)
- ✓ Various communication and outreach products