



# PAME-II 2008

NOVEMBER 28<sup>TH</sup>-30<sup>TH</sup>  
HELSINKI- FINLAND

## WORKING GROUP MEETING REPORT

**PAME**  
Protection of the Arctic Marine Environment



**PROGRAM FOR THE  
PROTECTION OF THE ARCTIC MARINE ENVIRONMENT**

**PAME**

**DRAFT Working Group Meeting Report  
No: II-2008**

**28-30 NOVEMBER, 2008**  
**Helsinki, Finland**

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**Considerations for the PAME Work Plan 2009-2011: Discussion Paper**

### **Agenda Item 1: Opening of the Meeting**

The Protection of the Arctic Marine Environment (PAME) Working Group met 31 May – 4 June 2008 in St. John's, Newfoundland, Canada. The list of participants attending the Meeting is in Appendix I.

The meeting was opened by the PAME Chair Mr. Chris Cuddy and the first day was designated to the Arctic Marine Shipping Assessment and as such was chaired by the AMSA lead countries. The PAME Chair reminded participants that the aim of this Meeting was to start preparations for the 2009 Ministerial meeting and begin formulating the PAME Work Plan 2009-2011 based on the AMSP and the anticipated results of PAME's current work program and projects.

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

A list of documents submitted for consideration at the Meeting is in Appendix II. All power-point presentations will be sent out separately and are available within the password protected area of the PAME homepage.

*The Meeting adopted the agenda as presented in Appendix III.*

### **Agenda Item 4: Information from the Chair and Secretariat**

The PAME Chair reminded the Meeting of the main priorities and deliverables as identified in the PAME Work Plan 2006-2008 and emphasized that the aim of this Meeting was to start preparations for the 2009 Ministerial meeting and begin formulating the PAME Work Plan 2009-2011 based on AMSP and anticipated results of current work program and projects.

The PAME Chair informed the Meeting of the main outcomes of the SAO meeting 23-24 April 2008 in Svolvær, Norway and a draft SAO meeting report was distributed to participants. The SAO meeting agenda is being structure around themes and at the last SAO meeting PAME was given the opportunity to present progress on AMSA under the "Oceans" theme and the updating of the Offshore Oil and Gas Guidelines under the "Energy" theme. SAOs agreed that AMSA is seen as a major deliverable for the 2009 Ministerial meeting.

He informed the Meeting that PAME has been identified in the project on Snow, Water, Ice and Permafrost in the Arctic (SWIPA) and that an implementation plan for this project has been approved by SAOs. The Executive Summary and Recommendations of the Oil and Gas Assessment has been released and can be downloaded from the AMAP homepage at: [www.amap.no](http://www.amap.no).

He also informed the Meeting of current discussions among the SAOs on the need for guidance on standardizing production of reports and other products from Arctic Council working groups to the Arctic Council. The outcome of these discussions may affect the way in which PAME products are developed and submitted to the 2009 Ministerial. The Chair will inform participants of outcomes of these discussions as soon as they become available and reminded the Meeting of the schedule of upcoming meetings and key milestones which

affect the PAME process in finalizing PAME reports for the Ministerial meeting as detailed within Agenda Item 11.

The PAME Secretariat gave a summary of the 2007 and 2008 finances of the PAME International Secretariat as sent to PAME National Representative on 18<sup>th</sup> of February 2008. The PAME finances are in a much better shape than in the past, with the 2007 carry-forward in a surplus. PAME countries are asked to be mindful of expected increases in the printing costs for 2008 due to printing of documents for the spring 2009 Ministerial meeting.

### **Record of Decisions and Follow-up Actions**

*The Meeting agreed to the following actions:*

*Coordination with other Working Groups: PAME Chair to inform PAME representatives about any correspondence concerning collaboration with other working groups.*

### **Agenda Item 4: Arctic Marine Shipping Assessment (AMSA)**

The AMSA lead countries representatives gave an overview of the AMSA and a chapter-by-chapter status as follows (presentation as a separate file and on the PAME homepage):

- Brief Overview of AMSA & Chapter 1: Introduction and Geography~ Lawson Brigham
- Chapter 2: History of Marine Activity and Governance~ Esther Cunningham (further discussion on governance by Professor David VanderZwaag)
- Chapter 3: AMSA Data base/Shipping Data ~ Ross MacDonald
- Chapter 4: Human Dimension ~ Esther Cunningham for Henry Huntington
- Chapter 5: Scenarios and Futures ~ Lawson Brigham
- Chapter 6: Environmental Impacts ~ Maya Gold on behalf of Hein Rune Skjoldal (lead author)
- Chapter 7: Arctic Marine Infrastructure ~ Kimmo Juurmaa for co-lead authors
- Chapters 8 and 9: Integrated Findings and Research Agenda ~ Lawson Brigham

### **AMSA Status Chapter by Chapter**

Brief Overview of AMSA & Chapter 1: Dr. Lawson Brigham/United States provided an overview of the progress and status up to date of the assessment with particular focus on the status of Chapter 1.

He informed the Meeting of the various AMSA Expert & Stakeholder Workshops held and planned through August 2008 and the outcome of the Arctic Incidents Workshop held in University of New Hampshire 25-27 March 2008 as a part of work on Chapter 7.

He noted the following required AMSA support:

- Arctic State review and confirmation of AMSA database
- Need for contributing authors for Chapter 6: Environmental Impacts

- Convening of Town Hall Meetings as partnerships with local communities
- Need for inputs from Arctic States to Chapter 7: Arctic Maritime Infrastructure on issues such as charting, hydrography, SAR
- Need for maritime expert involvement at the PAME II-2008 Meeting 28-30 October.
- Need for funding for AMSA publications including costs for editing, mapping (GIS) and Publishing (rough estimate of 160-200K USD)

Chapter 2: History of Marine Activity & Governance – Ms. Esther Cunningham/Canada provided general outline of the main contents of this Chapter to include the following:

1. Introduction
2. Early History (to World War II)
3. Modern History (development since WW II)
4. Major Arctic Marine Transportation Programs/R&D Studies/Key Meetings
5. Governance of the Arctic Ocean
6. Conclusion/Findings/Research Agenda/References

She informed the Meeting of good progress in writing this Chapter.

Professor David VanderZwaag from Dalhousie University gave an overview of the Governance section of Chapter 2 which is based on a background paper “Governance of Arctic Marine Shipping” written by an international group of marine policy experts led by the Dalhousie University.

He gave an overview of the following four main parts to the governance picture of Arctic marine shipping followed by a list of some key findings and ten possible research priorities.

1. The 1982 Law of the Sea Convention as the Overarching Framework
2. International Conventions/Documents Setting Governance Obligations for States To Control Shipping (International Public Maritime Law Framework)
3. International Conventions/Documents Aimed at the Shipping Industry and Relevant Practices of the Shipping Industry (International Private Maritime Law Framework)
4. Special National Legislative and Regulatory Requirements for Arctic Shipping (Canada and Russia)

Chapter 3: 2004 Baseline Arctic Shipping Data - Mr. Ross McDonald/Canada gave an update on the AMSA database collection process and analyses to date. He informed the Meeting that data received had been released to respective countries in May 2008 for their approval or identification of omission or errors which will require further input.

He noted that the plan was to include, in addition to the data on shipping, the following information:

- Circumpolar ice maps - monthly - for 2004
- Arctic Shipping Incidents

- Port database for Arctic
- Risk assessment
- Findings
- Map Annexes to include LME's and routes, seasonal, ship and cargo type, shipping accident locations, Indigenous use, etc.
- Research agenda

Most of the data have been sent in with the data from Norway representing the 2006 shipping information as this information better represents the shipping in Norwegian waters than the 2004 data according to the representative from Norway. The USA data are currently under national review and Iceland has sent the leads corrections to their data.

Countries are expected to provide corrections and/or further input to their respective shipping data by 15<sup>th</sup> of June in an effort to complete the data collection.

Chapter 4: Human Dimensions of Arctic Marine Activities - Ms. Esther Cunningham/Canada provided general outline of the main contents of this Chapter and informed the Meeting that the lead author would be Dr. Henry Huntington. The purpose of Chapter 4 is to explore the human dimensions of Arctic marine shipping with special emphasis on Indigenous communities. Contributing authors are representatives from Permanent Participants organizations.

The outline of Chapter 4 is as follows:

1. Introduction
2. Review Human Uses of the Arctic Marine Environment
3. Summary of Town Hall Meetings
4. Impacts of Marine Shipping on Arctic Communities
5. Discussion and Conclusions

This chapter was kick-started by convening a workshop on Indigenous Arctic Marine Use in Ottawa, Canada in March 2008.

Chapter 5: Scenarios and Futures – Dr. Lawson Brigham provided a status on this chapter and informed the Meeting that the scenario narratives of plausible futures or stories for Arctic marine activity in 2050 and 2020 were released last April and are now available on the PAME homepage. The scenarios are based on two successful scenario workshops held in San Francisco (April 2007) and Helsinki (July 2007). Also, an AMSA brochure on “Scenarios of the Future” has been published and is available on the PAME homepage. The scenario work illustrates that the two major drivers i.e. Governance and Resources & Trade and will be applied with the environmental issues. The Chapter 5 outline is as follows:

1. Approaches to Scenarios
2. Complexity of Issues & Driving Forces
3. AMSA Scenarios to 2050

4. Regional Case Studies to 2020
  - Bering Strait Region (US)
  - Canadian Arctic (Canada)
  - NW Russia / ARCOP (Finland)
  - Russian Arctic: NSR Commercial View (US & NSR Partnership)
5. Current & Future Arctic Marine Tourism
6. Arctic Sea Ice Futures & Marine Access
7. Findings
8. Research Agenda

Chapter 6: Environmental Impacts – Ms. Maya Gold/Canada provided a status on this chapter on behalf of the lead author, Dr. Hein Rune Skjoldal/Norway. The main challenges with this chapter are the need for additional chapter expert contributors, need for full representation of the circumpolar Arctic, and finally the timelines for completion and synthesis of this chapter are now tight.

A workshop was held in San Francisco Workshop 29-30 April 08 as a part of Chapter 6 planning with the following chapter outline:

1. Introduction
2. Types of Environmental Impacts from ships and effects of those impacts:  
*Air Emissions, Discharges, Disturbance, Accidental Release, Physical Impacts, Introduction of Invasive Species*
3. Regional Case Studies  
*Barents and Kara Sea, Canadian Arctic, Bering and Chukchi Sea*
4. Future Trends in Environmental Status and Impacts,  
*Governance, Technology, Climate Change, Land based/Port Development*
5. Findings
6. Research Agenda

The next steps are a Chapter 6 “kick off” conference call 19<sup>th</sup> of June and completion of chapter subsections for a possible author workshop in the fall of 2008

Chapter 7: Arctic Maritime Infrastructure – Mr. Kimmo Juurmaa/Finland provided a status on this chapter and informed the Meeting that two workshop had been convened as an input i.e. a workshop in Ottawa November 2007 and an Arctic Marine Incidents workshop held in New Hampshire March 2008. This Chapter will be based on case studies with Finland currently drafting a Baltic Sea Case Study.

Chapters 8 and 9: Integrated Findings and Research Agenda – Dr. Lawson Brigham noted that each Chapter will identify areas of research and findings and from there to

recommendations. He introduced a number of possible AMSA themes that may be derived from the AMSA body of work several of which might evolve into recommendations to the Ministers. He also asked PAME Representatives to consider the marine expertise that might be required at the October 2008 PAME meeting.

### **AMSA process and deliverables for 2009 Ministerial meeting**

The Meeting discussed the process relating to AMSA from October 2008 to the ministerial in April 2009 and the negotiation process for the final recommendations and timing to have recommendations included in any AMSA reports.

### **Record of Decisions and Follow-up Actions**

*The Meeting agreed to the following:*

- *AMSA Research Document (“1000 Page”) will be a non-negotiated document. However the PAME Chair will confirm with SAOs that this document will be made available after the 2009 Arctic Council Ministerial meeting to the public/stakeholders through e.g. posting on the PAME website with the appropriate disclaimers.*
- *Draft Chapters of the AMSA Research Document will be posted on the password protected PAME website as soon as they become available.*
- *Countries and PPs will review Chapters as they become available and provide any technical comments to the lead countries.*
- *PAME Secretariat to distribute electronic version of draft findings and recommendations to Countries and PPs by 5<sup>th</sup> of Nov.*
- *Process and Timeline to Finalize AMSA:*
  - *Oct 28-30 PAME II-2008 Meeting – draft key findings and recommendations presented by Lead Countries. Initial questions and discussion by PAME and PPs:*
    - *Proposed outline of AMSA Report presented by Lead Countries*
    - *PAME and PP’s representatives begin internal consideration of draft findings and recommendations*
  - *Nov 6 – PAME chair submits PAME Report for SAO Nov 19-20 meeting including status report on AMSA, identification of specific issues if any, requiring SAO direction and a proposed process and timeline for AMSA*
  - *Nov 14 (close of business USA/east coast time) – Lead Countries provide 1<sup>st</sup> draft (rolling draft) of AMSA Report, including key findings and recommendations and research agenda to PAME for review and negotiations at the Nov 21-22 special PAME meeting*

- *Nov 19-20 SAO Meeting – presentation of status and seek agreement on the process and time line for finalizing AMSA. The presentation will NOT include draft findings and recommendations.*
- *Nov 21-22 – Special PAME meeting (Oslo) - review and negotiation of the first draft AMSA Report with emphasis on draft key findings and recommendations.*
- *Dec 2 – Leads to provide 2<sup>nd</sup> draft AMSA report to PAME.*
- *Dec 10 – PAME Conference call to discuss any changes required to the 2<sup>nd</sup> draft AMSA Reports and provide inputs to the leads*
- *Dec 30 – leads to provide 3<sup>rd</sup> draft AMSA report to PAME.*
- *Jan 5 2009 – PAME agreement on a final draft AMSA report for distribution to SAOs with explanatory notes on status and any remaining issues.*
- *Jan 8 2009 – PAME submission of final draft AMSA Report to SAOs with the identification of any unresolved issues and uncompleted tasks*
- *Feb 10/11 2009 – SAO drafting meeting on SAO Report and Ministerial Declaration. PAME Chair may participate as required.*

#### **Agenda Item 5: Update of the Arctic Offshore Oil and Gas Guidelines**

The United States as the lead country in Updating the 2002 Arctic Offshore Oil and Gas Guidelines gave an update of its status and revision process to date. The draft of the 2002 Guidelines version March 13<sup>th</sup> had been intended to be used as the point of departure for this Meeting but as all participants had received the May 16<sup>th</sup> version of the draft Guidelines that showed all of the new comments the Meeting decided to use this version as the point of departure.

The PAME Chair reminded participants of the request from the last SAO meeting that PAME be mindful of the findings and recommendations of the Arctic Council Oil and Gas Assessment which is available on the AMAP homepage: [www.amap.no](http://www.amap.no)

The lead will revise the draft Guidelines based on outcome from this Meeting and provide by 12 June with deadline for comments by 15 July. Further details on the timeline and next steps are in the Record of Decisions for this agenda item below.

The lead for the United States is Tom Laughlin and the staff contact person is Dennis Thurston, Department of Interior/Minerals Management Services (MMS). His contact information is: [Dennis.Thurston@mms.gov](mailto:Dennis.Thurston@mms.gov) or +1-907-334-5338 (Alaska).

#### **Record of Decisions and Follow-up Actions**

*The Meeting agreed to the following:*

- *The final draft text of the Guidelines subject to proofreading or any non-material changes by the lead country.*
- *Lead country to provide final draft of the Guidelines to the PAME Secretariat for submission to the SAOs by the 6<sup>th</sup> of Nov for their review and approval.*

#### **Agenda Item 6: Regional Programme of Action (RPA: Canada and Iceland)**

Canada and Iceland as the lead countries in updating the Regional Programme of Action for the Protection of the Arctic Marine Environment from Land-based Activities (RPA) gave an update of its status to date, the revision process and next steps to finalizing the update (presentation as a separate file and on the PAME homepage).

The leads informed the Meeting that technical updates (e.g. Table 1) were underway with assistance from AMAP and Russia, which will take into account new data that has become available since the RPA was originally drafted. These revisions will be considered for incorporation into the next draft of the RPA.

The leads noted the need for better coverage of the participation of Permanent Participation in the updating of the RPA. The AIA representative asked the leads to clarify how they would like the PPs to participate. The Saami Council representative informed the Meeting that they had not been able to participate in this work due to lack of financial and human capacities and had focused their limited resources towards participation in AMSA and the updating of the Offshore Oil and Gas Guidelines.

The leads had proposed to use the May 14<sup>th</sup> version of the draft RPA as the point of departure for discussion at this Meeting. But due to confusion with the different versions of the draft RPA previously sent out to PAME National Representatives (March 25<sup>th</sup> version), 2008 and the fact that the 30 day deadline for distribution prior to Meeting as per the Arctic Council Rules of Procedures had not been met it was decided to use the March 25<sup>th</sup> version as a point of departure.

The Meeting discussed the draft RPA section by section but the Appendices (1 and 2) and Annexes A and B were not discussed as proposed updates had not been received in time for participants to properly review prior to the Meeting. It was decided to delete Annex B. The AMAP representative gave an overview of AMAP's suggested updates to the draft RPA, Annex A on Current Knowledge.

The leads will prepare a revised draft RPA taking into account feedback received at this Meeting as well as new information including from Russia on hot spots. The revised draft RPA will be distributed to participants no later than 1 August 2008 both as a clean copy of the document with text in brackets as appropriate which will be the negotiated document; and a marked-up copy of the document with notes on changes on non-agreed text.

#### **Record of Decisions and Follow-up Actions**

*The Meeting agreed to the following:*

- *The final draft text of the Updated RPA subject to proofreading or any non-material changes by the lead countries.*
- *Lead countries to provide final draft of the Updated RPA to the PAME Secretariat for submission to the SAOs by the 6<sup>th</sup> of Nov for their review and approval.*

#### **Agenda Item 7: Update of the GEF/Russian NPA-Arctic**

Dr. Ivan N. Senchenya, Project Manager of the UNEP/GEF project - Russian Federation: Support to the National Programme of Action for the Protection of the Arctic Marine Environment summarised its status and relationship with the RPA and its updating process (presentation as a separate file and available on the PAME homepage).

The Strategic Action Programme (SAP-Arctic) of this Project is currently being reviewed by regional and federal authorities with a deadline for comments of May 15<sup>th</sup> 2008 after which the plan is to publish SAP-Arctic in Russian and English.

The pre-investment studies of the hot-spots are underway with current work on three demonstration projects. The map of hot-spots in the Russian Arctic will be updated and provided as an input to the updating of the RPA.

He informed the Meeting that the next steps would include round-table discussions, conferences, workshops in regions on different aspects of the SAP-Arctic and international discussion of the SAP-Arctic.

Further information on this Project is at: <http://www.npa-arctic.ru/>

*The Meeting welcomed the update on the GEF/UNEP Russian NPA-Arctic Project and noted the importance of this Project for the protection of the Arctic marine environment and the updating of the RPA.*

#### **Agenda Item 8: Ecosystem Approach – Large Marine Ecosystems (LME)**

Dr. Kenneth Sherman of the National Oceanic and Atmospheric Administration (NOAA) gave a general overview and update of the Large Marine Ecosystem Approach (LME) on behalf of the lead country (presentation as a separate file and on the PAME homepage).

The Meeting was informed about the outcome of the PAME Ecosystem Expert Group meeting in Montreal (May 13-14, 2008) where all meeting participants agreed to adopt the LME 5-module methodology to Arctic LMEs. This meeting was attended by representatives from CAFF and SDWG. The proposed work plan for the period 2008-2009 of the PAME Ecosystem Expert Group is as follows:

- Move forward with the planning and implementation of pilot LME projects based in the generic LME five-modular framework and indicator suites of (i) productivity; (ii) fish, fisheries, marine mammals, and marine birds; (iii) pollution and ecosystem health; (iv) socioeconomics; and (v) governance, for the West Bering Sea, the Beaufort Sea, and the Barents Sea LMEs

- In collaboration with the Russian Federation, complete the submission of a Project Information Form (PIF) Proposal on the West Bering Sea to the Global Environment Facility (GEF)
- US and Canada representatives to proceed with plans for initiating a Beaufort Sea LME project and Transboundary Diagnostic Analysis (TDA)
- Maintain liaison with Norway/Russian Federation plan for the Barents Sea LME Project
- Maintain liaison with:
  - CAFF activity to improve collaboration with the Circumpolar Biodiversity Monitoring Program (CBMP) Marine Expert Monitoring Group team in Norway (share resources and build more comprehensive program)
  - Arctic Marine Shipping Assessment (AMSA)
  - SDWG which provides an excellent source of socioeconomic information and data
- Maintain liaison with the Arctic Marine Shipping Assessment (AMSA) and the Sustainable Development Working Group (SDWG) which provides an excellent source of socioeconomic information and data.
- Maintain e-mail correspondence with all members of the Ecosystem Expert Group.
- Prepare LME outreach information on the 5 modules and other outreach materials for distribution by the PAME Secretariat, including 2 DVDs and LME booklet entitled “Turning the Tide”.

### **Record of Decisions and Follow-up Actions**

*The Meeting agreed to the following:*

- *Lead country to revise the draft LME Progress Report taking into account comments from this Meeting to focus on status of past activities; remove reference to PAME future work, refer to mandate and acknowledgements in front of the Report, revise the text on BePOMAr Project, better linkages of the SST study to the Arctic, consider adjustments/streamlining to the Annexes etc.*
- *Norway to provide new and revised text on the BePOMAr Project and the Barents Sea LME.*
- *PAME to provide comments to the lead country by 7<sup>th</sup> of Nov.*
- *Lead country to provide revised draft to PAME by 25<sup>th</sup> of Nov (TBC).*
- *PAME to review and agree to final LME Progress Report by correspondence and/or conference call to deal with any outstanding issues for submission to SAOs by 8<sup>th</sup> of Jan 09.*

## **Agenda Item 9: Best Practices in Ecosystem-Based Ocean Management in the Arctic (BePOMAr)**

Norway is the lead country on the Implementation of the project on Best Practices in Ecosystem-Based Ocean Management in the Arctic (BePOMAr Project). This project is a joint PAME/SDWG effort and is based on one of the priorities of the Norwegian chairmanship from 2006 to spring 2009 i.e. integrated oceans management, and the mandate given on this issue at the 2006 Salekhard Ministerial meeting (presentation as a separate file and available on the PAME homepage).

An authors meeting was held in Washington D.C. in February 2008, after which the chapters were revised and both a draft technical report and Observed Best Practices (OBP) report prepared. The OBP report will be provided to PAME Representatives by the end of June.

The outputs for this project are as follows:

- A study of best practices in ecosystems based oceans management
- Identification of Observed Best Practices (OBPs) in ecosystems based oceans management
- University of the Arctic course in oceans management
- An international workshop where experiences will be shared

The United States reminded the Meeting of the review process i.e. the OBP report will need to go through intergovernmental negotiations and leads should be mindful of the time needed for such a process.

### **Record of Decisions and Follow-up Actions**

*The Meeting agreed to the following:*

- *The final draft text of the Best Practices document subject to changes agreed to at this Meeting.*
- *Lead country to provide a revised document with changes agreed to at this Meeting to the PAME Secretariat for submission to the SAOs by the 6<sup>th</sup> of Nov for their review and approval.*
- *Lead country to provide details on a possible BePOMAr workshop to take place the day before or after the 2009 Ministerial Meeting by 20<sup>th</sup> of Nov (TBC).*

## **Agenda Item 12: PAME Work Plan 2009-2011**

The PAME Chair reminded the Meeting of the need to start discussion on possible activities for consideration for the PAME Work Plan 2009-2011, both new and ongoing projects with particular attention given to the AMSP actions. Possible collaborations and contributions to work led by other Arctic Council Working groups should also be considered as it related to the PAME mandate.

The PAME Chair introduced the following possible projects which might have some implications to PAMEs work and the need to explore if and how PAME might contribute:

- Vulnerability and Adaptation to Climate Change in the Arctic (VACC-Norway lead/SDWG)
- the AMAP led Cryosphere Project Proposal - Climate Change and the Cryosphere – Snow, Water, Ice and Permafrost in the Arctic (SWIPA)
- The SAON Project (Sustaining Arctic Observing Networks) as it may e.g. relate to RPA and AMSA.
- CAFF on 1) the Circumpolar Biodiversity Monitoring Programme (CBMP) which takes on ecosystem-based management approach and is considered to be the biodiversity component of SAON. Canada is the lead on CBMP and funds the CBMP Office in Canada. Norway leads the Marine Expert Monitoring Group of CBMP and is funding a start-up workshop to be held in 2009 for the marine aspect of the CBMP. 2) Arctic Biodiversity Assessment (ABA).

Outcomes of venues such as the 8<sup>th</sup> Conference of Parliamentarians of the Arctic Region (CPAR) 12-14 August 2008 in Fairbanks, Alaska (Marine Policy) may also have some implications to PAMEs future work plan and will be reviewed as it becomes available.

The Meeting also discussed the strategic actions from the Arctic Marine Strategic Plan (AMSP) as potential areas of work for PAME in 2009-2011 (available in Appendix IV). Strategic action 7.3.4 was considered as a potential overarching theme for future activities of PAME taking into account other AMSP strategic actions of relevance. The Chair and Secretary will prepare a concept paper on this as per the Record of Decision below.

The PAME Chair reiterated that projects without lead(s) can not be included in the PAME Work Plan and he urged countries to come forward with proposals on leading or co-leading future PAME projects.

AIA noted that no PPs organizations are currently leading or co-leading as per the current PAME Work Plan and the Chair asked that PPs to bring forward suggestions on their preferred focus and/or activity.

ICC and the Saami Council noted the need to inform local communities on the PAME activities and could be done so by a possible communication project with, for example, the development of course material for local universities such as the University in Nuuk.

The Meeting supported previous ideas of the PPs organizations and noted that PAME should be doing more work on communication. Standardized communication materials on PAME could be prepared to be used by PAME National Representatives and PPs in remote places in the Arctic. Canada informed the Meeting that they have some presentations on the PAME work which are being used in Northern Canada. Canada offered to work with the PPs to prepare generic presentations on PAME work that could be used to inform arctic residents

about PAME and its activities. Such presentations could also be used by PAME National Representatives.

The United States informed the Meeting that the U.S. will be hosting a joint meeting of the Antarctic Treaty Parties and the Arctic Council during the 50<sup>th</sup> anniversary meeting of the Antarctic Treaty (XXXII ATCM) in April 2009. The joint meeting will have a science and policy interface focus.

### **Record of Decisions and Follow-up Actions**

*The Meeting agreed to the following:*

- *PAME Chair and Secretary to prepare a 2<sup>nd</sup> draft of the PAME 2009-2011 Work Plan, taking into account the discussion at this Meeting by 7<sup>th</sup> of Nov.*
- *Countries and PPs to provide information on the draft Work Plan as outlined in the full PAME Meeting Report by 14<sup>th</sup> of Nov.*
- *PAME Secretariat to revise and send out the 3<sup>rd</sup> draft by 17<sup>th</sup> of Nov.*
- *PAME to review and agree to final PAME Work Plan 2009-2011 by correspondence and/or conference call by end of December for submission to SAOs by 8<sup>th</sup> of Jan 09.*
- *PAME Chair and Secretary to prepare a 2<sup>nd</sup> draft of the New proposed PAME Project based on discussion at this Meeting taking into account the need for clarification on outcomes/deliverables, adjust outcomes on Phase I to focus on past and current Arctic Council activities including possible identification on leads. The 2<sup>nd</sup> draft to be distributed to PAME by 14<sup>th</sup> of Nov.*

### **Agenda Item 12: Preparations and Deliverables to the 2009 Ministerial Meeting**

The PAME Chair reminded the Meeting of the expected deliverables by PAME to the Next Ministerial Meeting 28-29 April 2009 as follows:

- Arctic Marine Shipping Assessment (AMSA)
- Updated version of the Regional Programme of Action for the Protection of the Arctic Marine Environment from Land-based Activities (RPA)
- Update of the Arctic Offshore Oil and Gas Guidelines (2002)
- Status report on the progress on the LME approach as per PAME Work Plan, Objective II, Action 1
- Joint PAME/SDWG Project and report on Best Practices in Ecosystem-Based Ocean Management in the Arctic (BePOMAr)

The PAME Chair informed the Meeting of current discussions between the SAOs on procedures and guidelines for the release of reports from the Arctic Council working groups. PAME will be informed when the SAOs have taken decision on this issue as it may affect the submission of PAME reports to the Ministerial meeting.

The Meeting discussed the PAME products, process and critical dates/timelines to ensure that deadlines as set by the Arctic Council be met. Below are the key dates which affect the PAME process in finalizing PAME reports for the Ministerial meeting.

Meeting of Arctic Council Chairs 8-9 October – location TBC

PAME II-2008 meeting (28-30 October 2008, Helsinki): PAME with leads on respective projects to develop preliminary findings and recommendations for SAO meeting in fall 2008 (Nov). Decide on what to table at the SAO meeting for approval.

SAO meeting in 18-20 Nov 2008, Kautokeino, Norway: Seek guidance/comments on findings/recommendations and Ministerial deliverables

Nov 2008 - Jan 2009: Finalize findings/recommendations and other Ministerial deliverables

8 Jan 2009: *Deadline for working group reports and work plans*

20 Jan 2009: 1<sup>st</sup> draft SAO Report to Ministers distributed

SAO Editing Session 10-11 February 2009: – location TBC (options for location are Copenhagen or Oslo)

Feb 2009 seek approval of submissions to ministerial, including recommendations

Feb–Apr 2009: Preparations and printing of Ministerial deliverables

Ministerial Meeting tentative for 28-29 April 2009, Tromsø, Norway

### **Record of Decisions and Follow-up Actions**

*The Meeting agreed to the following:*

- *PAME and respective lead countries to deliver the following products to the 2009 Ministerial Meeting*
  - *Arctic Marine Shipping Assessment (AMSA)*
  - *Updated version of the Regional Programme of Action for the Protection of the Arctic Marine Environment from Land-based Activities (RPA)*
  - *Update of the Arctic Offshore Oil and Gas Guidelines (2002)*
  - *Status report on the progress on the LME approach as per PAME Work Plan, Objective II, Action 1*
  - *Joint PAME/SDWG Project and report on Best Practices in Ecosystem-Based Ocean Management in the Arctic (BePOMAr)*
- *If required, a special PAME meeting scheduled 21-22 November 2008. The Danish Representative to explore the possibility of convening such a meeting in Copenhagen, Denmark.*

### **Agenda Item 14: Any Other Business and end of the Meeting**

Finland informed the Meeting that they will host the next PAME meeting 28-30 October 2008 in Helsinki. Logistical information for this meeting will be sent out over the summer.

## **APPENDIX I – List of Participants**

<i><b>PAME Secretariat</b></i>	
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## **APPENDIX II – LIST OF DOCUMENTS**

### **Agenda Item 2 - Introduction and Adoption of the Agenda**

- Draft agenda with a timeline (version 16<sup>th</sup> of Nov)

### **Agenda Item 3 - Information from the Chair and the Secretariat**

- Cover letter for agenda item 3
- Outcome of the meeting of Chairs and Secretaries 7-8 Nov 2008
  - Agenda of the meeting of Chairs and Secretaries
  - PAME status report for the meeting of Chairs and Secretaries
- Guidance from SAOs on Ministerial Deliverables
- 2nd draft SAO meeting agenda and annotations 19-20 November 2008

### **Agenda Item 4 - Arctic Marine Shipping Assessment (AMSA - Canada, Finland, USA)**

No advance paper will be provided on AMSA as this agenda item will be based on presentation of AMSA chapters summaries and findings followed by discussion as per the meeting agenda.

### **Agenda Item 5 - Evaluation and Update of the Arctic Offshore Oil and Gas Guidelines (USA)**

- Arctic Guidelines 2009 Draft Sept 18 Roll-up - This is a reference document that shows who suggested what and why and is built upon the August 4 version.
- Arctic Guidelines 2009 Draft Sept 18 Clean Copy - This is the base document which will be used as a point of departure at the upcoming PAME meeting (Please note this reflects the suggested rearrangement of sections made by Russia [Section 3 moved to just after Section 1, and Section 4 moved to just before Section 6])
- EIA descriptions (Appendix of the Offshore Oil and Gas Guidelines) - October draft.
- New text for section 6.4 Design and Operations
- The References/Bibliography Section (sent out on 17th of August)

#### **Background Information:**

- List of Reviewers
- 2002 Arctic Offshore Oil and Gas Guidelines
- Arctic Council Oil and Gas Assessment: Overview Report (hard copies will be available at the meeting)

### **Agenda Item 6 – Updating of the Regional Programme of Action (RPA: Canada and Iceland)**

- RPA cover letter
- Revised draft RPA track changes (Version 29 September 2008) – this version will be used as a point of departure at the upcoming PAME II-2008
- Revised draft RPA clean copy (Version 29 September 2008)

- Map of Russian hot spots
- Map of the Arctic with LME delineations

Background Information:

- RPA (1998)

**Agenda Item 7 – Update/Status of the UNEP/GEF Russian NPA-Arctic project (Russia)**

**Agenda Item 8 – Ecosystem Approach (LMEs - USA)**

- Progress Report on the Ecosystem Approach to the Assessment and Management of Arctic LMEs (2004-2008)

**Agenda Item 9 - Best Practices in Ecosystems-Based Ocean Management in the Arctic (BePOMAr) project (Norway – PAME/SDWG)**

- the Observed Best Practices Document
- Draft report of the Best Practices in Ecosystems Based Oceans Management Project (BePOMAr).

**Agenda Item 10 – Draft PAME Work Plan 2009-2011**

- 1<sup>st</sup> draft PAME Work Plan 2009-2011
- Proposed text as it related to Objective II, Action I: Ecosystem Approach of the draft PAME Work Plan 2009-2011.

Background Information:

- PAME Work Plan 2006-2008

**Agenda Item 12 – Preparations and deliverables for the 2009 Ministerial meeting**

- Ministerial preparations - cover letter
- Draft PAME text for 2009 Ministerial Declaration

Background Information:

- 2006 Ministerial Declaration
- SAO Report to Ministers 2006

**General Information**

- Draft List of Participants
- Draft List of Documents
- Logistics (meeting location and hotels)
- PAME I-2008 Meeting Report (May 31 – June 4 2008)
- PAME Operating Guidelines
- Arctic Council Rules of Procedures

## **APPENDIX III – AGENDA**

The upcoming PAME Working Group meeting (PAME II-2008) will be held in Helsinki, Finland from Tuesday-Thursday October 28-30 2008. The aim of this Meeting is as follows:

1. To reach consensus on the following final draft deliverables for the next SAO meeting 19-20 November and the 2009 Arctic Council meeting:
  - The updated version of the Regional Programme of Action for the Protection of the Arctic Marine Environment from Land-based Activities (RPA)
  - The revised Arctic Offshore Oil and Gas Guidelines
  - Status report on the progress on the LME approach as per PAME Work Plan, Objective II, Action 1
  - Joint PAME/SDWG Project: Report on Best Practices in Ecosystem-Based Ocean Management in the Arctic (BePOMAr)
2. To discuss the Arctic Marine Shipping Assessment (AMSA) chapter draft findings and recommendations and identify potential issues and possible solutions that will support the preparation of AMSA Report that can be endorsed by SAOs and ultimately the Arctic Council.
3. Complete and agree on the draft PAME Work Plan 2009-2011 to include content, new proposed projects and confirmation on leads.
4. Complete the 1<sup>st</sup> draft PAME report to SAOs/Ministers and the draft text for the 2009 Ministerial Declaration.
5. Agree on timeline/milestones of actions up to 2009 Ministerial with particular focus on deliverables to the next SAO meeting 19-20 November in Norway and the aim of a proposed special PAME meeting 21-22 November, Oslo, Norway.

Below is a list of main PAME meeting agenda items with a proposed timeline.

## **PRELIMINARY AGENDA WITH PROPOSED TIMELINE**

Coffee breaks: 10:00-10:30 and 15:00-15:30 - Lunch breaks: 12:00-13:00

### **TUESDAY, October 28**

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#### **09:00-10:00**

**Item 1:** Opening of the Meeting by Jyrki Kallio, Counsellor and SAO, Ministry for Foreign Affairs of Finland

**Item 2:** Introduction and Adoption of the Agenda (PAME Chair)

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

- Outcome of the meeting of Chairs and Secretaries 7-9 October
- Guidance from SAOs on Ministerial deliverables (if available)
- Upcoming Arctic Council related meetings

#### **10:30-15:00**

**Item 4:** Arctic Marine Shipping Assessment (Canada/Finland/USA)

- Lead Country presentation of AMSA chapters summaries and findings
- Questions and Answers on summaries and findings - all
- Lead Country presentation of preliminary recommendations

#### **15:30-17:00**

**Item 5:** Evaluation and Update of the Arctic Offshore Oil and Gas Guidelines (USA)

- Review and agree on final revisions to the Guidelines

## **RECEPTION AT THE MEETING LOCATION**

**Drafting note:** Working sessions if needed on AMSA and/or Oil and Gas Guidelines.

### **WEDNESDAY, October 29**

#### **09:00-11:00**

**Item 5 Cont:** Update of the Arctic Offshore Oil and Gas Guidelines (USA)

#### **11:00-14:00**

**Item 6:** Regional Programme of Action (RPA: Canada and Iceland)

- Review and agree on final revisions to the RPA

**Item 7:** Update status of the GEF/Russian NPA-Arctic (Russia)

**14:00-15:00**

**Item 8:** Ecosystem Approach (USA)

- Review draft PAME Report to SAOs and Arctic Council on progress towards implementation of the ecosystem based approach and Arctic Ocean management.

**Item 9:** Best Practices in Ecosystems-Based Ocean Management in the Arctic (BePOMAr) project (Norway – PAME/SDWG)

- Review draft report on BePOMAr and identify potential issues to be resolved before presentation to SAOs

**15:30-17:00**

**Item 10:** Draft PAME Work Plan 2009-2011

- Presentation of draft Work Plan 2009-2011 (Chair/Secretary)
- New projects proposed by Member Countries?
- Confirmation on leads on proposed 2009-2011 PAME projects
- Discussion and approval of draft Work Plan for submission to SAOs

**Drafting note:** Working sessions if needed

## **THURSDAY, October 30**

**09:00-10:30**

**Item 4 Cont:** Arctic Marine Shipping Assessment (Canada/Finland/USA)

- Discussion of findings and recommendations to identify those that may require negotiation to achieve consensus
- Agree on next steps to complete final AMSA Report including possible special PAME meeting 21-22 Nov. 2008.

**10:30-12:00**

**Item 11:** Address any outstanding issues from previous two days

- Regional Programme of Action (RPA: Canada and Iceland)
- Offshore Oil and Gas Guidelines
- Report of Ecosystem Approach
- Report on BePOMAr
- PAME Work Plan 2009-2011

**13:00-15:00**

- Item 12:** Preparations and deliverables to the 2009 Ministerial meeting
- Deliverables to the 2009 Arctic Council Ministerial meeting
  - Discuss preliminary draft text for the 2009 Ministerial Declaration
  - Timeline/milestones of actions up to 2009 Ministerial
- Item 13:** Summary of Meeting Decisions and Follow up Actions (Chair & Secretariat)
- The PAME Progress Report to the SAO meeting 19-20 November 2008
  - Next PAME meeting (timing and location)
- Item 14:** Any other business and closing of the Meeting

## APPENDIX IV

### Considerations for the PAME Work Plan 2009-2011: Discussion Paper

Below are some possible inputs and considerations for the PAME Work Plan 2009-2011:

- Vulnerability and Adaptation to Climate Change in the Arctic (VACC – Norway lead) - (SDWG): Workshop in Tromsø 22-23 October 2008 (in conjunction with the fall SDWG) should provide information and/or inputs to the PAME Work Plan 2009-2011.
- The AMAP led Cryosphere Project Proposal - Climate Change and the Cryosphere – Snow, Water, Ice and Permafrost in the Arctic – SWIPA will need a PAME contribution – what type of contribution?
- How PAME will work with AMAP on the SAON Project (Sustaining Arctic Observing Networks) as it may e.g. relate to RPA and AMSA.
- How PAME will work with CAFF on *1) the Circumpolar Biodiversity Monitoring Programme (CBMP)* which takes on ecosystem-based management approach and is considered to be the biodiversity component of SAON. Canada is the lead on CBMP and funds the CBMP Office in Canada. Norway leads the Marine Expert Monitoring Group of CBMP and is funding a start-up workshop to be held in 2009 for the marine aspect of the CBMP. *2) Arctic Biodiversity Assessment (ABA)*.
- The 8<sup>th</sup> Conference of Parliamentarians of the Arctic Region (CPAR) 12-14 August 2008 in Fairbanks, Alaska – Marine Policy

Following is the list of the strategic actions from the Arctic Marine Strategic Plan (AMSP). Please note that the working groups identified in parenthesis following each action are only for the purpose of guidance and possible follow-up in implementation of the AMSP.

Actions highlighted in **yellow** are those detailed in the PAME Work Plan 2006-2008.

#### 7.1 Improve Knowledge and Understanding of the Marine Environment

- 7.1.1 Integrate and enhance research and monitoring activities for the observation and conservation of the Arctic marine and coastal ecosystem, including application of monitoring systems with adequate circumpolar coverage, representing all seasons of the year, *in situ* and satellite methodology, coordination of activities between working groups, and development of new databases where necessary. **(CAFF, AMAP)**
- 7.1.2 Evaluate and incorporate, as appropriate, traditional ecological knowledge and community-based scientific monitoring in marine research, assessments and reports; involve indigenous and local people and consult communities in the distribution and use of the information. **(CAFF, AMAP)**
- 7.1.3 Improve the knowledge and understanding of the quality and safety of marine food and its benefits for human health; communicate this information to Arctic inhabitants. **(AMAP)**

- 7.1.4 Provide a regional contribution to the UN Global Marine Assessment as recommended by the Johannesburg Plan of Implementation. **(CAFF, AMAP)**
- 7.1.5 Conduct a comprehensive assessment of Arctic marine shipping at current and projected levels. **(PAME; EPPR) – PAME Work Plan 2006-2008: Obj. I Action 1**

## 7.2 Respond to Emerging Knowledge

- 7.2.1 Develop procedures, guidelines and other actions in response to the ACIA findings and recommendations, including those related to information gaps. **(PAME; CAFF,AMAP) - PAME Work Plan 2006-2008: Obj. I Action 2**
- 7.2.2 Review the assessment of Arctic marine shipping (see 7.1.5) and, based on the findings, develop recommendations to the International Maritime Organization (IMO) and others, as appropriate, to guide the management of Arctic marine shipping. **(PAME; EPPR)**
- 7.2.3 Examine the adequacy of Arctic Council guidelines related to the prevention of environmental impacts of oil and gas activities in light of the Council's *Assessment of Potential Impacts of Oil and Gas Activities in the Arctic* and in keeping with the review cycle approved by the Council. **(PAME, EPPR)**
- 7.2.4 Develop guidelines and procedures for port reception facilities for ship-generated waste and cargo residues for consideration by member states. **(PAME) - PAME Work Plan 2006-2008: Obj. I Action 4**
- 7.2.5 Improve capabilities for responding to marine emergency situations, including those resulting from climatic variability. **(EPPR)**
- 7.2.6 Identify potential areas, as appropriate, where new guidelines and codes of practice for the marine environment are needed. **(PAME, CAFF; EPPR)**

## 7.3 Implement and Comply with Applicable International/Regional Commitments

- 7.3.1 Promote the implementation of and compliance with relevant international/regional agreements. **(ALL WORKING GROUPS)**
- 7.3.2 Promote WSSD actions related to the marine and coastal environment, including the application of an ecosystem approach and establishment of marine protected areas, including representative networks. **(ALL WORKING GROUPS) - PAME Work Plan 2006-2008: Obj. II Action 1**
- 7.3.3 Consider broadening the Arctic Council Regional Programme of Action for the Protection of the Arctic Marine Environment from Land-Based Activities to address other source categories. **(PAME) - PAME Work Plan 2006-2008: Obj. II Action 2**
- 7.3.4 Periodically review the status and adequacy of international/regional agreements and standards that have application in the Arctic marine environment, new scientific knowledge of emerging substances of concern, and analyze the applicability of a regional seas agreement to the Arctic. **(PAME)**

- 7.3.5 Promote, where appropriate, the implementation of contaminant-related conventions/agreements and programs, noting in particular the Stockholm Convention; and possible additional global and regional action on mercury and emerging substances of concern. **(AMAP)**

#### 7.4 Apply an Ecosystem Approach to Management

- 7.4.1 Identify the large marine ecosystems of the Arctic based on the best available ecological information. **(PAME, CAFF, AMAP)**
- 7.4.2 Identify elements that can serve as key environmental and socio-economic indicators of the state of Arctic marine ecosystems and thus guide effective decision-making. **(PAME, CAFF, AMAP)**

**7.4.3 Promote pilot projects that demonstrate the application of an ecosystem approach to management. (PAME, CAFF) - PAME Work Plan 2006-2008: Obj. II Action 1**

#### 7.5 Facilitate Partnerships and Technical Co-operation

- 7.5.1 Foster partnerships among governments and indigenous peoples' organizations (IPOs), communities, industry, international bodies, non-governmental organizations (NGOs) and academia to advance the goals of this Strategic Plan, employing such mechanisms as partnership conferences and workshops. **(ALL WORKING GROUPS)**
- 7.5.2 Increase cooperation and collaboration with international/regional organizations, such as international fisheries organizations, and with the organizing bodies of marine-related conventions/agreements, by, e.g., convening Arctic Marine Strategic Plan workshops. (ALL WORKING GROUPS) - PAME Work Plan 2006-2008: Obj. III Action 1**
- 7.5.3 Encourage and facilitate technical cooperation for the Russian Federation's activities aimed at protecting the Arctic marine environment. **(ALL WORKING GROUPS)**

#### 7.6 Build the Capacity and Engagement of Arctic Inhabitants

- 7.6.1 Promote oceans education through appropriate institutions and organizations, such as the University of the Arctic; **(AMAP; CAFF)** encourage training related to best operating practices. **(PAME, CAFF, EPPR)**
- 7.6.2 Encourage the development of mechanisms to enhance local involvement in the collection of marine information and monitoring. **(ARCTIC COUNCIL STATES)**
- 7.6.3 Encourage improved communication by ensuring that the latest scientific, human development and economic information is available in forms appropriate for communities; **(ARCTIC COUNCIL STATES)** improve two-way communication and access to information (e.g., through websites), and develop protocols for the sharing of information. **(AMAP, CAFF)**

- 7.6.4 Encourage coastal community pilot projects related to integrated ocean management. **(ARCTIC COUNCIL STATES)**

#### 7.7 Support Communication, Reporting and Outreach

- 7.7.1 Periodically assess and report to the Arctic Council on the implementation and effectiveness of this Strategic Plan, as appropriate. **(PAME)**
- 7.7.2 Disseminate information about this Strategic Plan, including updates on related activities, through various channels such as the Arctic Council, the Global Programme of Action review (2006 and 2012), International Polar Year (2007/2008) and the Rio+20 review (2012). **(PAME)**
- 7.7.3 Promote a marine and coastal component in the International Polar Year (2007/2008) programme. **(PAME, CAFF, AMAP)**

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