



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

PAME

**Working Group Meeting Report
No: II-2006**

**AUGUST 29-30, 2006
Murmansk, Russia**

TABLE OF CONTENT

WELCOME, INTRODUCTION AND ADOPTION OF AGENDA.....	1
SESSION I: ACTIVITIES AND DELIVERABLES FOR THE 2006 MINISTERIAL. ...	1
AGENDA ITEM 3: ARCTIC MARINE SHIPPING ASSESSMENT (AMSA)	1
AGENDA ITEM 4: ECOSYSTEM APPROACH (LME).....	6
AGENDA ITEM 5: PORT RECEPTION FACILITIES.....	8
AGENDA ITEM 6: AMSP COMMUNICATIONS PLAN	9
AGENDA ITEM 7: REVIEW OF THE NEED FOR AMENDMENTS TO RPA	9
SESSIONS II AND III: PAME 2006-2008 WORK PLAN AND PAME REPORT TO SAOS AT THE MINISTERIAL MEETING	10
AGENDA ITEM 8: FINALIZE THE 2006-2008 PAME WORK PLAN AND AGENDA ITEM 9: PAME PROGRESS REPORT TO SAOS – WORKING DOCUMENT	10
SESSION IV: PROPOSALS FOR THE MINISTERIAL DECLARATION.....	11
AGENDA ITEM 10: REFER TO AGENDA ITEM 9: PAME PROGRESS REPORT TO SAOS - SECTIONS 4-6	11
SESSION V: OTHER PAME RELATED ACTIVITIES	11
AGENDA ITEM 11: ACIA FOLLOW-UP AND FOCAL POINT MEETINGS	11
EPPR WORKING GROUP PRESENTATION	12
AGENDA ITEM 12: REPORT FROM THE PAME SECRETARIAT	12
AGENDA ITEM 15: THE NEXT PAME WORKING GROUP MEETING	12

LIST OF APPENDICIES

APPENDIX I

List of Participants

APPENDIX II

List of Documents

APPENDIX III

Agenda

APPENDIX IV

PAME Finance Report

APPENDIX V

Memorandum of the AMSA Stakeholder Meeting in Murmansk Aug 30, 2006

Welcome, Introduction and Adoption of Agenda

The Protection of the Arctic Marine Environment (PAME) Working Group met 29-30 August 2006 in Murmansk, Russia. The list of participants attending the Meeting is in Appendix I.

The meeting was opened by Professor Gennady G. Matishov, Director of the Murmansk Marine Biological Institute of the Russian Academy of Sciences (MMBI RAS) and Chairperson of the Southern Scientific Centre of the Russian Academy of Sciences (SSC RAS). Mr. Frank Sonne chaired the Meeting and expressed gratitude to the Norwegian Pollution Control Agency (SFT) in arranging and hosting the Meeting.

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.

This Meeting focused on finalizing the following deliverables to be forwarded to the 5th Arctic Council Ministerial meeting 24-26 October 2006 in Salekhard, Russia:

- 'Historic' Report of 2004 Arctic Marine Activity and a progress report on the Arctic Marine Shipping Assessment and associated brochures/posters. (*LEADS: Canada/Finland/United States*)
- Final revised map as a working map of 17 Arctic Large Marine Ecosystems (LMEs) to serve as the framework for ecosystem-based management practices in the Arctic. (*LEAD: United States*)
- Interim report on Phase I of The assessment of existing measures for port reception facilities for ship-generated waste and cargo residues (*LEAD: Norway*)
- Arctic Marine Strategic Plan/Communication Plan. (*LEADS: Canada/Iceland*)
- Documentation/report on the outline of the updating of the Arctic Council Regional Programme of Action for the Protection of the Arctic Marine Environment from Land Based Activities (RPA)". (*LEAD: Canada*)
- PAME 2006-2008 Work Plan

The Meeting adopted the agenda as presented in Appendix III.

Session I: Activities and deliverables for the 2006 Ministerial.

Agenda Item 3: Arctic Marine Shipping Assessment (AMSA)

The leads for the AMSA, Canada, Finland and the United States provided updates on the AMSA process. An AMSA stakeholders briefing and discussion for the purpose of informing Russian stakeholders was convened parallel to the PAME Meeting.

Dr. Lawson Brigham/United States provided an overview of the progress and status up to date of the assessment (presentation as a separate file and on the PAME homepage).

AMSA will be undertaken during 2005-2008 and a final report will be presented to the Arctic Council Ministers in 2008. Dr. Brigham emphasized the importance of Member State commitment and timely support with the data collection effort to ensure sufficient time to complete the first phase of AMSA (survey of current shipping levels) for submission to the Arctic Council Ministers in October.

AMSA activities up to and beyond the 2006 Ministerial meeting include but are not limited to the following:

- IASC - ASSW, Potsdam (Mar 06)
- Lloyds Arctic Shipping, St. Petersburg (Apr 06)
- ICETECH, Banff (Jul 06)
- Coastal Zone Canada, Tuktoyaktuk (Aug 06)
- International Ice Charting Working Group, Helsinki (Sept 06)

Dr. Brigham informed the Meeting of some of the AMSA outreach venues he had participated in the concerns raised by northern residents attending the AMSA Town Hall Meeting as a part of the Coastal Zone Conference held in Tuktoyaktuk, Canada 14-18 August 2006.

The outreach venue during the Inuit Circumpolar Conference (ICC) Assembly in July noted following possibilities in how the ICC and Permanent Participants could contribute to the success of AMSA:

- Support/urge Arctic state contributions – shipping data and traditional marine use information
- Nominate experts and users to the AMSA Panels/Chapter Teams
- Assist with the organization of the AMSA Arctic Town Hall Meetings (PPs + AMSA Team + Arctic State)
- Participate in all AMSA review stages

An outreach session was convened during the ICETECH Conference that was held in Banff, Canada 16-19 July 2006 and potential contributions to AMSA were noted during the meeting of the Arctic Parliamentarians in Kiruna, Sweden 2-4 August 2006 as summarized below:

- Arctic State Commitment to Shipping Data Survey
- Arctic State Financial Support of Large Arctic Council Assessments
- Arctic State Support of Permanent Participant Involvement

- Nomination of AMSA Working Panel Experts (Submitted to PAME & the AMSA Team)
- Futures Studies Conducted by Arctic Parliamentarian Committees (Arctic Development ~ Economic Analyses)

Following draft AMSA chapter outline was introduced to the Meeting:

Chapter 1: Introduction

- Changing AO, ACIA, AMSP, Importance to Arctic residents
- Definitions & Modes of Transport

Chapter 2: Geography and History of Arctic Marine Use

- Major Straits , LMEs, Arctic Sea Ice, Regulatory Regimes

Chapter 3: Current (2004) Levels of Arctic Marine Use

- ‘Historic Snapshot’
- By Season & Region (Narrative & Pictorial)
- Shipping Data + Indigenous Use Data + LMEs + Sea Ice

Chapter 4: Historical & Current Indigenous Arctic Ocean Use

- Results of the Town Hall Meetings

Chapter 5: Scenarios of Future Arctic Ocean Marine Activity for 2020 and 2050

- Pictures, Narratives, Assumptions, Key Drivers

Chapter 6: Environmental Impacts of Current & Future Marine Activity [Ship driven impacts – not overall environmental changes]

- LMEs, Local ‘hot spots’, Emissions, Discharges, Ballast Water, Noise/Acoustics
- Risk Levels for Regions, Accidents

Chapter 7: Social & Economic Impacts at Current & Future Levels

Chapter 8: Current Arctic Infrastructure (and Anticipated Needs)

- Ice Centers, SAR Response, Ports, Monitoring, Icebreakers

Chapter 9: Conclusions and Findings

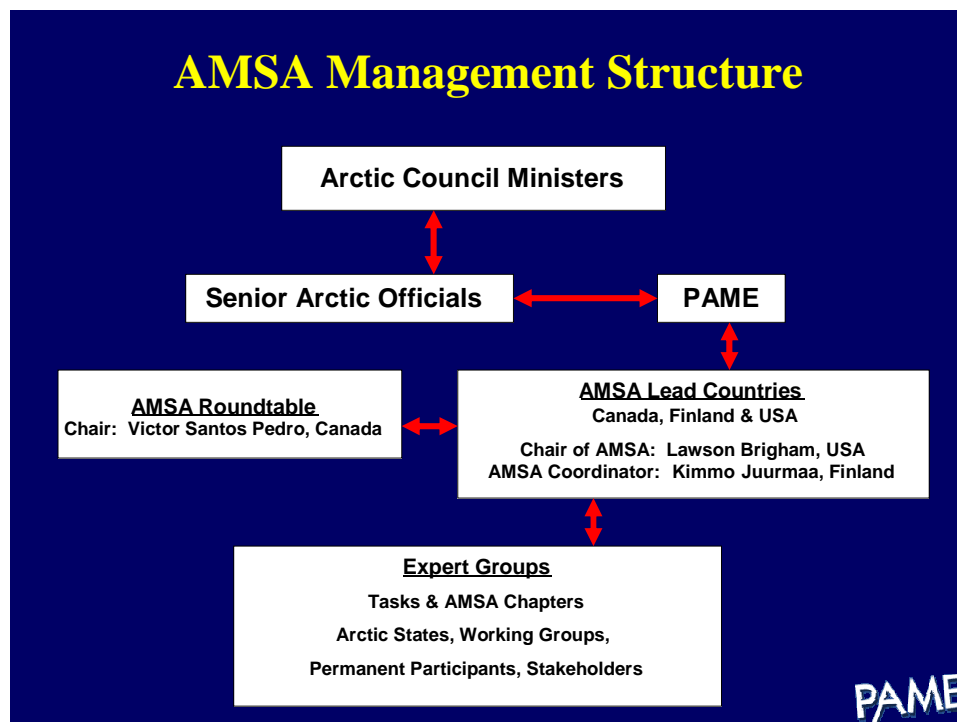
Appendixes, Research Agenda

AMSA activities up to and beyond the 2006 Ministerial meeting include but are not limited to the following:

- Arctic Town Hall Meetings ~ Ongoing
- Completion of AMSA Survey (TBD)
- Analyze Data for ‘2004 Arctic Marine Activity Survey’
- Initiate Scenario Development Process ~ Plausible Futures of Marine Activity for 2020 & 2050
- Establish Expert Panels ~ by end of 2006
- Initiate Survey (s) : Indigenous Arctic Marine Uses

Dr. Brigham informed the Meeting of a stakeholder meeting that was convened parallel to the PAME Meeting (30 August) to discuss the work that is planned to be done within the AMSA project and the general trends in the development of the marine activities in the Russian Arctic. The decisions from this stakeholder meeting are in Appendix V.

Below is a schematic of the AMSA management structure:



Saami Council referred to a letter sent out to the PAME Working Group on August 24, 2006 on the inclusion of Indigenous Peoples’ use of the Arctic Seas and The Arctic Marine Resources in AMSA work and informed the Meeting of positive response received from Norway in convening town hall meetings.

Mr. Ross McDonald/Canada gave an update on the Marine Activity Database questionnaire and the data management framework (presentation as a separate file and on the PAME homepage) which was developed by a marine contractor funded by Canada.

- Questionnaires have been completed by half the participating nations
- Some nations have provided useful data outside the questionnaire format
- Other nations have been able to provide significant amounts of data beyond the questionnaire format (GIS representations of local geography, fishing vessel fleet transponder records, etc)
- Good progress made to date, but more effort is required before analysis can begin

He noted that in general, the data provided to date is acceptable. Excellent data concerning fishing activities has been made available by some participants but more detail may be required with respect to individual vessel characteristics: There are many entries for vessels with little or no descriptive information. This will make estimating environmental impact more difficult. More detail may be required on vessel routes. Any additional information on where a vessel travels between its port of origin and arrival will be useful.

He further illustrated that with the data received so far we can start to understand traffic distribution within a Nation's fleet and begin to evaluate traffic in the Arctic as a whole. GIS is a useful tool for display of ship routes and traffic density and all GIS ship route data will be compatible with other Arctic Council databases (such as the AMAP Oil and Gas Assessment maps and the ongoing LME work within PAME).

Next steps in the data collection effort are as follows:

- Complete data input as soon as possible
- Review and clean data – more route info and vessel details will help risk assessment
- Convert input into GIS data
- Develop data bases and maps
- Post and share information

The leads noted that of key importance to the outcome of this assessment is the involvement and participation of all stakeholders - including Member States, Permanent Participants, the scientific community, the maritime community, and the Arctic Council's working groups.

The leads emphasized that the Arctic Council working groups would not be tasked with WP's of the AMSA Work Plan but rather by nominating experts to specific activities. The outreach capabilities within the IPS structure will be used for the purpose of involving the Permanent Participants in the assessment.

The Meeting welcomed the progress reported on the shipping assessment and agreed to the following:

- *Those countries that have not yet responded to the Marine Activity Database questionnaire informed the Meeting that they would do so as soon as possible.*
- *Member States are urged to contribute to the assessment by providing financial and/or human resources to ensure continuation and finalization of the assessment.*
- *The leads were requested to a 3-4 page progress report on AMSA for the Ministerial Meeting.*

Agenda Item 4: Ecosystem Approach (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) since last PAME meeting (March 2006) on behalf of the lead country (presentation as a separate file and on the PAME homepage).

The ecological criteria used to determine areal extent of LMEs are based on: (1) bathymetry, (2) hydrography, (3) productivity, and (4) trophic relationships. 95% of the world's annual marine fisheries catches are produced in 64 LMEs of which 17 LMEs are within the Arctic region.

The five principle causes of LME degradation include (1) fishing, (2) pollution, (3) mechanical habitat destruction, (4) introductions, and (5) climate change.

LMEs are global centers of efforts to:

- Reduce coastal pollution
- Restore damaged habitats (Coral reefs, mangroves, sea grasses)
- Recover depleted fishery stocks

A five-module indicator approach to the assessment and management of LMEs consist of 3 science-based indicators focused on: (1) productivity, (2) fish and fisheries, (3) pollution/ecosystem health. The other two are (4) socio-economic conditions, and (5) governance. He gave a brief overview of some of the indicators applied within the five-module approach and informed the Meeting of funding towards LME/GEF projects in support of the UNEP Regional Seas Programme within the framework of the GEF International Waters Operational Strategy as a vehicle for promoting ecosystem-based management of coastal and marine resources in the international waters focal area within the framework of sustainable development.

He noted that of the 17 Arctic LMEs 8 of them involve Russian Federation as GEF-eligible country (E/W Bering Sea LMEs (GEF-4: UNDP), Chukchi Sea, Barents Sea, Oyashio Current, Sea of Okhotsk, E. Siberian Sea, Laptev Sea, Kara Sea) which represents an opportunity for further exploring GEF-funded LME projects in the Arctic.

It was noted that opportunity to extending the GEF-LME project network to the Arctic and the possibility of developing and implementing a GEF supported LME assessment and management projects for the West Bering Sea and the Barents Sea in addition to possible synergies that could be explored within the framework of the GEF/Russian NPA-Arctic. A summary of the East Bering Sea LME includes:

- Switched from long-term (170 yr) stable cold Arctic ecosystem to sub-Arctic ecosystem after 1976
- Last six years: Continued warm ocean and atmosphere; little or no ice in south Bering
- Stuck in “warm phase” due to Arctic climate change?

He noted that the Arctic LMEs are all dynamic systems under great stress due to the melting of the sea ice and summarized it as follows:

- Indigenous people with reduced access to traditional hunting grounds for walrus, seals, and whales
- Polar bear feeding areas diminished by ice-melt
- Ice loss enhances use of trans-Arctic Atlantic Ocean to Pacific Ocean shipping lanes
- Increased shipping heightens risk of unintended environmentally harmful toxic releases
- Zooplankton , fisheries and fish stocks expand northward

The United States will revise the Arctic LME map based on comments from Iceland.

Updates on impact assessments and linkages with LMEs

Professor Gennady G. Matishov, Director of the Murmansk Marine Biological Institute of the Russian Academy of Sciences (MMBI RAS) and Chairperson of the Southern Scientific Centre of the Russian Academy of Sciences (SSC RAS) gave an update of the status of the Barents Sea LME (presentation as a separate file and available on the PAME homepage).

He informed the Meeting of the first experience of the Barents Sea ecosystem research (1985-1986), gave a graphical illustration of the MMBI KSC RAS and SSC RAS Expeditions, 2000 – 2005 and MMBI expedition activities in the Norwegian-Greenland Basin and in the North Atlantic in 1995-2005.

He discussed a year-round ecosystem monitoring and the indicators applied in the Barents and Kara Seas and informed the Meeting of a 10 year work of the institute in the field of applied marine informatics as a contribution to further development of integrated hydrobiological research in oceans and seas. He detailed the impacts of Arctic marine shipping and the application of the LME five-module indicator approach around the Kola Peninsula, Barents and Kara Seas. In closing he suggested a number of factors affecting environmental priorities and limitations of maritime activity in the Arctic.

Agreement on next steps

The Meeting decided to:

- *Complete the map of the 17 Arctic LMEs next week (8th of September) with adjusted boundaries for the Iceland Shelf and West Greenland Shelf found in recent analyses by colleagues from Iceland.*
- *A description of the LMEs of the Russian Federation was prepared by Prof. Matishov, and the way is now clear for the following actions by the Expert Group on the Ecosystem Approach to the Assessment and Management of Arctic LMEs:*
- *Initiate by correspondence review of the indicator suites for assessing and monitoring the changing states of the LMEs of the Arctic based on productivity, fish and fisheries, pollution and ecosystem health, socioeconomics, and governance.*
- *As a follow on to the presentation on Arctic LMEs, made during the Feb 2006 meeting of the American Association for the Advancement of Science encourage the preparation for peer review and publication of a volume on the changing conditions of LMEs of the Arctic for publication in the Eilsener LME series.*
- *Organize a session on Arctic LMEs for the Second Global Conference on LMEs to be held in Qingdao, China, Sep 11-13, 2007*

Agenda Item 5: Port Reception Facilities

Norway as the lead country on the assessment of existing measures for port reception facilities for ship-generated waste and cargo residues (PRF-Norway) referred to the progress report sent out prior to the meeting.

This project is divided into three phases. Norway noted that there were still gaps in information within Phase I of this project but that it could be submitted to the 2006 Ministerial Meeting as a working document. Phase 1 consists of the following task: Assess availability of and measures for port reception facilities for ship-generated and cargo residues in the PAME region and which regulations and incentives for delivery each country has implemented.

Phases 2 and 3 consist of the following tasks as agreed at the PAME I-2005 meeting:

Phase 2 – Identify gaps in existing coverage and possible improvements in availability and incentives for delivery

Phase 3 – Develop recommendations for harmonized guidelines, for consideration by States, based on the gap analysis.

Denmark/Faroe Islands noted support to the PRF Project but would like to replace “harmonized guidelines” within Phase 3 with “guidelines”.

- *The Meeting noted progress reported on the Port Reception Facility Project.*
- *Phase I will be submitted to the 2006 Ministerial as a working document.*
- *Subject to funding, the lead will report on further progress in advance of the next PAME meeting i.e. finalization of Phase I and modalities of Phase 2.*

Agenda Item 6: AMSP Communications Plan

Canada and Iceland as the co-leads on the Arctic Marine Strategic Plan (AMSP) presented a revised 3rd draft of the AMSP Communication Plan.

The Meeting endorsed the revised 3rd draft AMSP Communication Plan (July 2006 version) as the final version for submission to the 2006 Ministerial meeting.

Agenda Item 7: Review of the Need for Amendments to RPA

Canada as the lead-country in advancing the implementation of the Regional Programme of Action for the Protection of the Arctic Marine Environment from Land-based Activities (RPA) provided a revised version of the report on, "Review to Examine the Need for amendments to the Arctic Council Regional Programme of Action for the Protection of the Arctic Marine Environment from Land Based Activities (RPA)". This version was based on comments provided by PAME country representatives as of July 2006.

The objective of the review is look at the existing text with regard to addressing possible additional priority source categories, examining its overall scope and improving its compatibility with the stated needs of the UNEP *Global Programme of Action for the Protection of the Arctic Marine Environment from Land-based Activities* (GPA). Canada and Iceland will co-lead the review and update of the RPA with the aim to forward to SAOs and Ministers for approval in 2008.

- *The Meeting thanked Canada for the revised draft report, "Review to Examine the Need for amendments to the Arctic Council Regional Programme of Action for the Protection of the Arctic Marine Environment from Land Based Activities (RPA)."*
- *The meeting agreed that the following activities be included in the PAME Work Plan 2006-2008:*

Prepare Terms of Reference, including reference to engagement of other Arctic Council working groups and other relevant organizations

Prepare a draft updated RPA:

- *for PAME review and discussion*
- *to present to other Arctic Council working groups*
- *to finalize an updated RPA*

- *Canada and Iceland as the co-leads on this project will submit the Terms of Reference for this work for the next PAME Meeting.*

Agenda Item 7.1: Update status 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 gave an update on its status. Indigenous components of the UNEP/GEF Russian NPA-Arctic Project are being discussed with RAIPON.

Mr. Vitaly Lystsov of the Advisory Committee on Protection of the Sea (ACOPS) provided an updated of ACOPS progress under the GEF/UNEP Russian NPA-Arctic Project.

The question was raised as to the intention of convening a Partnership Conference for the GEF/UNEP Russian NPA-Arctic Project and the reply was it was being under consideration but for now the main focus would be on pre-investment studies.

RAIPON informed the Meeting of their long-standing partnership with this Project and their satisfaction with how it was progressing but noted that more cooperation with AMSA and the LME work within PAME would be of benefit.

The United States asked that this Project consider the application of LMEs and further noted the need for closer cooperation with AMSA. Russia replied that their application of Transboundary Diagnostic Analysis (TDA) and Strategic Action Plan (SAP) within the Project would be based on an ecosystem approach.

Some countries raised the question of whether PAME should continue reporting on this Project to SAOs and Ministers as it has now official started and it is Russia's responsibility to report on progress. Russia expressed their wish that this Project would continue to be on PAME's agenda and included in the 2006-2006 PAME Work Plan.

The Meeting welcomed the update on the GEF/UNEP Russian NPA-Arctic Project and agreed that this Project be included in the 2006-2008 PAME Work Plan as per the request from Russia.

Sessions II and III: PAME 2006-2008 Work Plan and PAME report to SAOs at the Ministerial Meeting

Agenda Item 8: Finalize the 2006-2008 PAME Work Plan and Agenda Item 9: PAME progress report to SAOs – Working document

The Meeting discussed and updated the revised 2nd draft PAME Work Plan 2006-2008 from 8th of August and the draft report to SAOs from August.

The Meeting decided on the following timeline to finalize the PAME Work Plan 2006-2008 and the PAME report to SAOs for submission to the 5th Arctic Council Ministerial meeting:

1. *Any comments on these current two drafts to be sent to the PAME Secretariat by 8th of September.*
2. *PAME Secretariat to incorporate all comments and send it both to the Arctic Council Secretariat as a final draft and to Members by 11th of September.*
3. *Final comments and approval from Members requested by 13th of September.*

Session IV: Proposals for the Ministerial Declaration

Agenda Item 10: Refer to Agenda Item 9: PAME progress report to SAOs - Sections 4-6

The Meeting reviewed a draft version of the Salekhard Declaration and decided that the proposed PAME text should be revised within the context of the proposed revisions and finalization of the SAO report to Ministers as per Sessions II and III above.

Following are PAME deliverables to the 2006 Ministerial Meeting (documents available on the PAME homepage):

- PAME Progress Report to Ministers and SAOs
- PAME 2006-2008 Work Plan and PAME Brochure
- Progress report on the Arctic Marine Shipping Assessment in English and Russian and associated outreach brochure
- Working map of 17 Arctic Large Marine Ecosystems (LMEs).
- Technical Report - Phase I of The assessment of existing measures for port reception facilities for ship-generated waste and cargo residues.
- A review of the Need for Amendments to the Arctic Council Regional Programme of Action for the Protection of the Arctic Marine Environment from Land-based Activities (RPA), Prepared by Canada for PAME
- Communications Plan for the Arctic Marine Strategic Plan.

Session V: Other PAME related activities

Agenda Item 11: ACIA follow-up and Focal Point meetings

The Chair gave a brief overview of the status and proposed next steps with the ACIA Focal Point. He informed the Meeting that the next ACIA FP meeting would be held September 4-5 in Copenhagen. He noted that the ACIA follow-up could be sufficiently fulfilled within existing structure and mandates of the Arctic Council Working Groups and that the PAME input to the ACIA FP Report to the Ministers 2006 would include a summary of the following PAME-related projects that contribute to the climate change issues, i.e.:

- The Arctic Marine Shipping Assessment (AMSA)

- Update of the Regional Programme of Action for the Protection of the Arctic Marine Environment from Land-based Activities (RPA)
- Large Marine Ecosystems (LME)

The Meeting agreed that ACIA follow-up activities of relevance to the PAME mandate be included in the PAME work plan.

EPPR Working Group Presentation

EPPR gave an overview of their activities and informed the Meeting of a Russian Federation project proposal. The purpose of this project proposal is the development of the international cooperation in the field of decrease of natural and technogenic accidents risks, increases of safety of potentially dangerous objects and protection of territories and natural environment makes the proposal on development and realization of the project: "**An accident prevention and safety systems development in economic and infrastructural projects in Arctic**".

Following decision was reached at the EPPR Working Group Meeting that was held 5-7 April 2006:

It was recommended that the Chairman of the EPPR Working Group approach the Chairman of the PAME Working Group to explore the possibility of periodic joint meetings of the two Working Groups. The terms of reference for such an inquiry were (1) that the joint meetings be at the Working Group level; (2) that the joint meetings provide for one day of joint meetings for shared work projects and the cross briefing on work which is not shared, followed by separate working group meetings; and (3) that this be sought either annually, or if this is not feasible, on an every other year basis since most projects are of sufficient length of time to permit such a frequency.

The Meeting thanked EPPR for the update and welcomed their suggestion for a joint EPPR/PAME meeting to be further explored with the new EPPR Chair following the Ministerial meeting.

Agenda Item 12: Report from the PAME Secretariat

The PAME Secretary summarized the interim finance report Jan-Aug 2006 which was distributed to Members prior to the Meeting. This included contributions and expenditures for the period Jan-Aug 2006 and summary of country contributions and financial statements for the years 1999-2006 (Appendix IV).

Agenda Item 15: The next PAME Working Group meeting

The time and location of the next Meeting was to be determined.

APPENDIX I – LIST OF PARTICIPANTS

<i>PAME Secretariat</i>	
<p><u>Frank Sonne</u> Ministry of Environment and Energy Danish Environmental Protection Agency Strandgade 29 DK-1401 Copenhagen K</p> <p>Tel: + 45 3266 0330 Fax: + 45 3266 0201 Email: fms@mst.dk</p>	<p><u>Soffia Gudmundsdottir</u> Executive Secretary PAME International Secretariat Borgir Nordurslod 600 Akureyri Iceland</p> <p>Tel: +354 461 1355 Fax: +354 462 3390 Email: pame@pame.is</p>
	<p><u>Olga Pálsdóttir</u> PAME International Secretariat Borgir Nordurslod 600 Akureyri Iceland</p> <p>Tel: +354 461 1355 Fax: +354 462 3390 Email: olga@caff.is</p>
<i>CANADA</i>	
<p><u>Chris Cuddy</u> Director Land and Water Management Division Indian and Northern Affairs Canada 10 Wellington St., Room 648 Gatineau, Quebec, K1A 0H4</p> <p>Tel: +1 819 994-7483 Fax: +1 819 997-9623 Email: cuddyc@ainc-inac.gc.ca</p>	<p><u>Ross MacDonald</u> Manager, Special Projects and Arctic Shipping Transport Canada Tower C, Place de Ville, 330 Sparks St. Ottawa, Ontario K1A 0N5</p> <p>Tel: +1 613 991 3145 Fax: +1 613 991-4818 Email: MACDORA@tc.gc.ca</p>
<p><u>Maureen Copley</u> Head, Land-based Activities Section Compliance Promotion Operations Division Environmental Protection Operations Directorate Environment Canada 351 St. Joseph Blvd., 12th floor Gatineau, Quebec Canada K1A 0H3</p> <p>Tel. (819) 953-6949 Fax. (819) 953-0913 Email: maureen.copley@ec.gc.ca</p>	<p><u>Robert Day</u> A/Chief International Policy Coordination Fisheries and Oceans Canada 200 Kent St. Ottawa, ON K1A 0E6</p> <p>Email: dayr@dfo-mpo.gc.ca</p>
<i>DENMARK/GREENLAND/FAROE ISLANDS</i>	
<p><u>Suni Petersen</u> Food-, Veterinary- and Environmental Agency Falkavegur 6 FO-100 Tórshavn Faroe Islands</p> <p>Tel. +298 356400 Fax: +298 356401 Email: sunip@hfs.fo</p>	<p><u>Eskild Lund Sørensen</u> Ministry of Environment and Nature Government of Greenland P.O. Box 1614 DK-3900 NUUK</p> <p>Tel: +299 34 67 01; 34 67 12 Fax: +299 32 52 86 Email: ESLS@gh.gl</p>

FINLAND	
<p><u>Maija Pietarinen</u> Ministry of the Environment P.O. Box 33 Kasarmikatu 25 FIN-00023, Helsinki</p> <p>Tel: +358 9 1603 9736 Fax +358 9 1603 9717 Email: Maija.Pietarinen@ymparisto.fi</p>	<p><u>Kimmo Juurmaa</u> Manager Arctic Business Development Deltamarin Inc. Helsinki</p> <p>Tel: +358 9 47884 443 Mobile: +358 40 501 2412 Email: kimmo.juurmaa@deltamarin.com</p>
ICELAND	
<p><u>Óttar Freyr Gíslason</u> Ministry for the Environment Skuggasund 1 150 Reykjavik</p> <p>Tel: +354 545 8600 Fax: + 354 562 4566 Email: ottar.gislason@umhverfisraduneyti.is</p>	<p><u>Gísli Viggósson</u> Directorate of Research and Development Icelandic Maritime Administration Vesturvör 2 P.O. Box 120 202 Kopavogur</p> <p>Tel: + 354-560 0000 Fax: +354-560 0060 Email: gisli@sigling.is</p>
NORWAY	
<p><u>Jens Koefoed</u> Adviser Cargo Ship Department The Norwegian Maritime Directorate P.O. Box 8123 Dep., 0032 Oslo</p> <p>Tel: + 47 22 45 44 46 Fax: + 47 22 45 47 80 Mob: + 47 95 18 36 26 Email: jens.koefoed@sjofartsdir.no</p>	
RUSSIA	
<p><u>Professor Gennady G. Matishov</u> Director Murmansk Marine Biological Institute of the Russian Academy of Sciences (MMBI RAS) 17 Vladimirskaia Street 183010 Murmansk, Russia</p> <p>Tel.: (+7)(8152)253963 Fax: (+7)(8152)253994 Email: icd@mmbi.info</p>	<p><u>Roman G. Mikhalyuk</u> International Communications Department Southern Scientific Centre of the Russian Academy of Sciences 41 Chekhov Street 344006 Rostov-on-Don, Russia</p> <p>Tel.: +7 (863) 266-64-26 Fax: +7 (863) 266-56-77 Email: icd@mmbi.krinc.ru</p>

<p><u>Dr. Ivan N. Senchenya</u> Project Manager UNEP/GEF project - Russian Federation: Support to the National Programme of Action for the Protection of the Arctic Marine Environment. National Pollution Abatement Facility 19 Leninsky prospect, Moscow 119991 Russia</p> <p>Tel.: +7 495 7304097, 9553114 mobile +7 495 7234680 Fax: +7 495 9553114 Email: senchenya@npaf.ru, I.Senchenya@mail.ru</p>	<p><u>Alexander Ushakov</u> Counsellor Rosmorrechflot (Russian Federal agency for marine and river transport)</p> <p>Tel: +7 495 926 98 87 Fax: +7 495 926 90 60 Email: ushakov@morflot.ru</p>
SWEDEN	
<p><u>Ann-Sofi Israelson</u> Swedish Environmental Protection Agency International secretariat</p> <p>Tel:+46 8 698 1270 E-mail: ann-sofi.israelson@naturvardsverket.se</p>	
UNITED STATES	
<p><u>Dr. Lawson W. Brigham</u> Deputy Director U.S. Arctic Research Commission 420 L Street, Suite 315 Anchorage, Alaska 99501 USA</p> <p>Ph: 1-907-271-4577 Fax: 1-907-271-4578 E-mail: usarc@acsalaska.net</p>	<p><u>Kenneth Sherman</u> Director USDOC/NOAA/NMFS Narragansett Laboratory 28 Tarzwell Drive Narragansett, RI 02882 United States</p> <p>Tel: +1 401 782 3211 Email: ksherman@mola.na.nmfs.gov</p>
MMBI KSC RAS	
<p><u>Dr. Pavel Makarevich</u> Deputy Director Vladimirskaya Street, 17 183010 Murmansk, Russia</p> <p>Tel: + 7 8152 253 992 Fax: +7 8152 253 994</p> <p><u>Dr. Sergey Dzhenyuk</u> Scientific Secretary Vladimirskaya Street, 17 183010 Murmansk, Russia</p> <p>Tel: +7 8152 251 637 Fax: +7 8152 253 994</p>	<p><u>Dr. Vladimir Denisov</u> Deputy Director Vladimirskaya Street, 17 183010 Murmansk, Russia</p> <p>Tel.: +7 8152 231237 Fax: +7 8152 253994</p>

<i>Government of the Murmansk Region, Department of Economic Development</i>	<i>Royal Norwegian Consulate General in Murmansk</i>
<u>Ms. Natalja Kirjvanova</u> leading specialist of the development and innovation department of commerce and tourism Lenin Prospect, 75 183038, Murmansk, Russia Tel: +7 8152 486 364	<u>Mr. Rune Aasheim</u> Consul General Sofyi Perovskoy Street, 5 183038 Murmansk, Russia Tel. (+7)(8152) 400600 (Reception) Fax: (+7)(8152) 457451 E-mail: cg.murmansk@mfa.no
<i>Office of the Ministry of Foreign Affairs of the Russian Federation in Murmansk</i>	<i>Murmansk Region Chief Administration of the Ministry of Emergency Situations of the Russian Federation</i>
<u>Mr. Sergey Klyushev</u> Head Volodarskogo Street, 6 183012 Murmansk, Russia Tel.: +7 8152 422 672	<u>Mr. Anatoly Sivaikin</u> Deputy Head Burkova Street, 4 183025 Murmansk, Russia Tel. (+7)(8152) 459530 Fax: (+7)(8152) 453659 <u>Oleg Romanenko</u> Head of the Department Burkova Street, 4 183025 Murmansk, Russia Tel. (+7)(8152) 459530
<i>Administration of the Federal Service of Control over Nature Exploitation of the Russian Federation (Rosprirodnadzor) in the Murmansk Region</i>	<i>Russia</i>
<u>Evgeny Olesik</u> Head Kolsky Prospect, 24a 183042 Murmansk, Russia Tel. (+7)(8152) 250899 Fax: (+7)(8152) 231026	<u>Mr. Vasily Korenev</u> Director General of Murmansk Emergency and Rescue Bureau On behalf of the Ministry of Transport. Email: gorshkov@mnr.gov.ru
<i>Circumpolar Conservation Union</i>	
<u>Rich Powell</u> Managing Director 1612 K Street, NW Suite 401 Washington, DC 20006 Email: richpowell@earthlink.net Tel: +1 202 675 8370 Fax: +1 202 675 8373	<u>Walter Parker</u> Chair Circumpolar Infrastructure Task Force 3724 Campbell Airstrip Rd Anchorage, AK 99504 USA Tel: +1 907 333 5189 Fax: +1 907 333 5153 Email: wbparker@pci.net

<i>RAIPON</i>	<i>IPS</i>
<p><u>Rodion Sulyandziga</u> Director, Ph.D Center for Support of indigenous peoples of the North/ Russian Indigenous Training Center CSIPN/RITC</p> <p>Fax: +7 (095) 780 87 27 Email: raipon@raipon.org / rita@mail.ru Webpage: www.raipon.org</p>	<p><u>Alona Yefimenko and Katinka Kleist</u> Technical Advisor Arctic Council - Indigenous Peoples' Secretariat P.O. Box 2151, Strandgade 91, 4. Sal DK-1016 Copenhagen K, Denmark</p> <p>Tel: +45 32 83 37 96 Fax: +45 32 83 37 91 Email: ay@ghsdk.dk</p>
<i>SAAMI COUNCIL</i>	
<p><u>Mr Alexander Kobelev – President</u> Saami Council Lovorero, Russia Sovetskaja, Str. 8</p> <p>Tel: +7 815 383 0023 Email: ak@saamicouncil.net</p>	<p><u>Gunn-Britt Retter</u> Arctic and Environmental Unit Saami Council Bergeby N-9840 Varangebotn Norway</p> <p>Mobile: +47 994 90 344 Email: gbr@saamicouncil.net</p>
<i>WWF</i>	<i>EPPR</i>
<p><u>Miriam Geitz</u> WWF International Arctic Programme P.O. Box 6784 0130 Oslo Norway</p> <p>E-mail: mgeitz@wwf.no Tel: (+47)22 03 65 00 Fax: (+47) 22 20 06 66 Email: mgeitz@wwf.no</p>	<p><u>Igor Veselov</u> Chairman of EPPR Working Group Deputy Director of Department of Prediction of emergencies EMERCOM of Russia Teatralnyi proezd, 3, Moscow, Russia 103012 Tel: +7 495 449 3785 Fax: +7 495 443 84 85 or +7 495 449 3785 E-mail: veselov@mchs.gov.ru</p>
<i>ACOPS</i>	<i>BIMCO</i>
<p><u>Vitaly Lystsov</u> Consultant of the Advisory Committee on Protection of the Sea (ACOPS) RRC “Kurchatov Institute” Kurchatov Sq.1 123182 Moscow, Russia</p> <p>Tel: +7 095 196 6328 Fax: +7 095 196 8679 Email: vitalil@pike.pike.ru</p>	<p><u>Niels Bjorn Mortensen</u> BIMCO Bagsværdvej 161 2880 Bagsværd Denmark</p> <p>Tel: +45 44 36 68 00 Fax: +45 44 36 68 68 Email: nbm@bimco.org</p>

APPENDIX II – LIST OF DOCUMENTS

AGENDA ITEMS	DOCUMENTS
Session I: Activities and deliverables for the 2006 Ministerial.	(5) Progress report regarding the Port Reception Facility (PRF) Project submitted by Norway. <ul style="list-style-type: none"> ➤ Annex to the PRF progress report prepared by Det Norske Veritas ➤ Cover note for the PRF project - DECISIONS (6)AMSP Communication Plan: (Canada/Iceland) (7)Review of the Need for Amendments to RPA: (Canada)
Session II: Finalize the 2006-2008 PAME Work Plan	(8) Revised 2nd draft PAME Work Plan 2006-2008 <u>Background document:</u> PAME Work Plan 2004-2006
Session III: PAME report to SAOs at the Ministerial Meeting	(9) PAME progress report to SAOs – working document <u>Background documents:</u> <ul style="list-style-type: none"> ➤ Final PAME Ministerial Report 2004 ➤ SAO Report to Ministers Nov 2004 ➤ 2004 Reykjavik Declaration
Session IV: Proposals for the Ministerial Declaration	(10) Refer to Agenda Item 9: PAME progress report to SAOs - Sections 4-6 (10) Draft AC Ministerial Declaration, Salekhard
Session V: Other PAME Related Activities	(12) PAME Finances Aug 2006 – Interim Report
General documents	<ul style="list-style-type: none"> ➤ PAME Report I-2006
Logistical information	<ul style="list-style-type: none"> ➤ Draft Agenda with timeline and Annotation ➤ List of Participants ➤ Status on hotel bookings and visa application

APPENDIX III – AGENDA

Discussions will take place in English. Translation will be provided by the host, Murmansk Marine Biological Institute of the Russian Academy of Sciences (MMBI RAS), Murmansk, Russia from 29-30 August 2006.

Coffee breaks: 10:00-10:30 and 15:00-15:30

Lunch breaks: 12:00-13:00

TUESDAY, August 29

09:00-09:15 Registration

09:15-09:30, Welcome and Introduction

1. Opening of the Meeting (either Governor of the Murmansk Region or his Deputy)
2. Introduction and Adoption of the Agenda (PAME Chair)

09:30-15:00, Session I: Activities and deliverables for the 2006 Ministerial.

3. (09:30-12:00) Arctic Marine Shipping Assessment: *(Canada/Finland/United States)*
4. (13:00-14:00) Ecosystem Approach: *(United States)*
5. (14:00-14:30) Port Reception Facilities: *(Norway)*
6. (14:30-15:00) AMSP Communication Plan: *(Canada/Iceland)*
7. (15:30-16:00) Review of the Need for Amendments to RPA: *(Canada)*
 - 7.1 Update status of the GEF/Russian NPA-Arctic *(Dr. Senchenya/Russia)*

16:00-17:00, Session II: PAME 2006-2008 Work Plan

8. Finalize the 2006-2008 PAME Work Plan

WEDNESDAY, August 30

09:00-11:00, Session II: PAME 2006-2008 Work Plan Cont.

11:00-14:00, Session III: PAME report to SAOs at the Ministerial Meeting

9. PAME progress report to SAOs – Working document

14:00-15:00, Session IV: Proposals for the Ministerial Declaration

10. Refer to Agenda Item 9: PAME progress report to SAOs - Sections 4-6

15:30-16:30, Session V: Other PAME Related Activities

11. ACIA follow-up and Focal Point (Chair)

12. PAME Secretariat finances (PAME Executive Secretary)

13. AMSP follow-up activities

14. Election of next chair of PAME

15. The next PAME Working Group meeting (timing and place)

16:30-17:00: Any other business and closing of the Meeting

Draft Annotation to the Agenda

PAME-II – 2006

This is the last PAME meeting prior to the 5th Arctic Council Ministerial meeting 24-26 October 2006 in Salekhard, Russia and it is important that we have a clear picture of recommended focus of PAME to be tabled at the next SAO meeting to be forwarded to the (5th) Ministerial meeting.

The primary focus of this meeting is to decide on and finalize the following work to be forwarded to the ministers:

- 'Historic' Report of 2004 Arctic Marine Activity and a progress report on the Arctic Marine Shipping Assessment and associated brochures/posters. (LEADS: Canada/Finland/United States)
- Final revised map as a working map of 17 Arctic Large Marine Ecosystems (LMEs) to serve as the framework for ecosystem-based management practices in the Arctic. (LEAD: United States)
- Interim report on Phase I of The assessment of existing measures for port reception facilities for ship-generated waste and cargo residues (LEAD: Norway)
- Arctic Marine Strategic Plan/Communication Plan. (LEADS: Canada/Iceland)
- Documentation/report on the outline of the updating of the Arctic Council Regional Programme of Action for the Protection of the Arctic Marine Environment from Land Based Activities (RPA)". (LEAD: Canada)
- PAME 2006-2008 Work Plan

Lead(s) on respective activities are urged to submit their papers/status the soonest to allow for sufficient time for participants to review in advance of the meeting to ensure that final decisions on Ministerial deliverables can be reached at the meeting.

Agenda Item 9: Please note that the paper for this agenda item: "PAME progress report to SAOs – Working document" serves only the purpose of guidance in the discussion. Its final version is subject to the outcome of this meeting.

REMINDER FROM THE PAME OPERATING GUIDELINES: "Every effort shall be made to submit papers to the Secretariat for circulation at least 30 days prior to the meeting at which they are to be considered."

APPENDIX IV - PAME FINANCE REPORT

Following financial information is attached:

- **Table 1:** *Contributions and Expenditures for the period Jan-Aug 2006*
- **Table 2:** *Summary of country contributions and financial statements for the years 1999-2006*

The finances of the PAME Secretariat have been improving as a result of a positive response from the member countries in increasing their respective annual contributions and paying them in ISK currency.

The proposed increase in expenditures from 2005 to 2006 serves the purpose of getting the closing balance per year into a positive balance and to allocate some funding to updating the PAME homepage. The financial contributions which the PAME International Secretariat has received as of today is greatly appreciated and those countries that have still not contributed are kindly asked to expedite the process.

Table 1: Contributions and Expenditures for the period Jan-Aug 2006

Contributions received for the period 1 Jan - 1 Aug 2006		
	SUGGESTED	RECEIVED
Suggested revenue from fixed contributions:	IKR	IKR
Canada <i>(increased contributions to 30.000CAD)</i>	1.550.000	--
Denmark <i>(1.460.000 ISK received in '05 for '06)</i>	1.550.000	1.460.000 kr.
Finland	1.550.000	1.184.716 kr.
Iceland	8.500.000	8.500.000 kr.
Norway	--	--
Russia	--	--
Sweden	1.550.000	1.550.000 kr.
United States <i>(1.280.460 ISK received in '05 for '06)</i>	1.550.000	1.280.458 kr.
Subtotal	16.250.000	13.975.174

Expenditures from 1 Jan - 1 Aug 2006 (~60% of the fiscal year)				
OVERVIEW:		SUGGESTED	ACTUAL	Actual
	TYPE OF EXPENDITURE	IKR	Jan-Aug	in %
		IKR	IKR	
	Staff	8.000.000 ¹⁾	5.168.503	65%
	Operating costs - office	5.425.000	2.670.451	49%
	Operating costs - travel	2.550.000	1.840.567	72%
	TOTAL	15.975.000	9.679.521	61%
BREAKDOWN:				
TYPE OF EXPENDITURE:		IKR	IKR	
STAFF	Salary, benefits,taxes,insurance,pension (1 person full time and 1 person 40%)	8.000.000	5.168.503	65%
	SUBTOTAL	8.000.000	5.168.503	65%
OFFICE	Service (telephone, fax, e-mail, internet, homepage)	1.400.000	536.346	38%
	Office supplies	250.000	197.048	79%
	Housing (rent, heat, electricity, cleaning)	1.900.000	1.312.047 ²⁾	69%
	Shipping/Postage/Bank Services	300.000	92.858	31%
	Equipments	100.000	0	0%
	Hospitality	30.000	14.080	47%
	Update the homepage	700.000	0	0%
	Bank Service	45.000	19.428	43%
	Printing	700.000	498.644	71%
	Auditing	in-kind ³⁾	in-kind	
	SUBTOTAL	5.425.000	2.670.451	49%
TRAVEL	Domestic	650.000	413.273	64%
	International (10 meetings each at the average of 250.000 kr.)	1.900.000	1.427.294	75%
	SUBTOTAL	2.550.000	1.840.567	72%
<i>Notes:</i>				
1) Salaries represent expenditures from 1 Jan - 1 Sep 2006				
2) Includes the rent for Nov and Dec 2005				
3) Monthly and annual auditing provided by the Icelandic Government				
The average ISK/USD exchange rate for the period 1. Jan - 1 Aug 2006 was 70 kr.				

Table 2: Summary of country contributions and financial statements for the years 1999-2006

Country Contributions for the years 1999 - 2006								
Country	1999	2000	2001	2002	2003	2004	2005	2006
Canada		\$20.000	\$12.800	\$13.600	\$13.523	\$16.550	2.134.000 kr. ³⁾	1.550.000 kr.
Denmark		\$11.000	\$11.000	\$11.000	\$11.000	\$15.200	1.460.000 kr.	1.550.000 kr.
Finland		\$9.700	\$12.600	\$6.900	\$7.299	\$8.000	1.063.212 kr.	1.550.000 kr.
Iceland	\$142.248 ¹⁾	\$68.194	\$59.866	\$55.341	\$81.926	\$108.000	8.300.000 kr.	8.500.000 kr.
Norway		in-kind	in-kind	in-kind	in-kind	in-kind	in-kind	--
Russia		in-kind	in-kind	in-kind	in-kind	in-kind	in-kind	--
Sweden		\$17.600	\$17.600	\$17.600	\$17.600	\$17.600	1.460.000 kr.	1.550.000 kr.
United States		\$30.000	\$30.000	in-kind	\$20.000	\$20.000	1.280.458 kr.	1.550.000 kr.
Total Contributions/year:	\$142.248	\$156.494	\$143.866	\$104.441	\$151.348	\$185.350	15.697.670 kr.	16.250.000 kr.
Financial Statement for the years 1999-2006 (in ISK)								
	1999	2000	2001	2002	2003	2004	2005	2006
REVENUE								
Contributions ²⁾	10.000.000 kr.	12.892.497 kr.	11.605.750 kr.	10.771.473 kr.	12.669.258 kr.	13.666.111 kr.	15.697.670 kr.	16.250.000 kr.
Misc revenue	6.000 kr.	250.635 kr.	85.135 kr.	146.952 kr.	200.000 kr.	50.000 kr.	--	50.000 kr.
Sub-total Revenue/year:	10.006.000 kr.	13.143.132 kr.	11.690.885 kr.	10.918.425 kr.	12.869.258 kr.	13.716.111 kr.	15.697.670 kr.	16.300.000 kr.
Carryforward from previous year:		6.382.201 kr.	6.377.357 kr.	2.080.905 kr.	-1.285.768 kr.	-1.023.903 kr.	-782.251 kr.	-106.682 kr.
TOTAL	10.006.000 kr.	19.525.333 kr.	18.068.242 kr.	12.999.330 kr.	11.583.490 kr.	12.692.208 kr.	14.915.419 kr.	16.193.318 kr.
Staff	1.103.880 kr.	6.772.930 kr.	7.724.721 kr.	7.696.689 kr.	7.379.010 kr.	6.918.345 kr.	7.533.026 kr.	8.000.000 kr.
Office	1.859.991 kr.	3.023.210 kr.	3.773.092 kr.	3.150.843 kr.	3.498.688 kr.	5.010.086 kr. ⁴⁾	4.403.666 kr.	5.425.000 kr.
Travel/Meetings	659.928 kr.	3.351.836 kr.	4.489.524 kr.	3.437.566 kr.	1.729.695 kr.	1.546.028 kr.	3.085.409 kr.	2.550.000 kr.
Total Expenditure/year:	3.623.799 kr.	13.147.976 kr.	15.987.337 kr.	14.285.098 kr.	12.607.393 kr.	13.474.459 kr.	15.022.101 kr.	15.975.000 kr.
Balance per year:	6.382.201 kr.	-4.844 kr.	-4.296.452 kr.	-3.366.673 kr.	261.865 kr.	241.652 kr.	675.569 kr.	325.000 kr.
Closing balance/year:	6.382.201 kr.	6.377.357 kr.	2.080.905 kr.	-1.285.768 kr.	-1.023.903 kr.	-782.251 kr.	-106.682 kr.	218.318 kr.
Exchange Rate ISK/USD:								
Daily min.		72 kr.	84 kr.	81 kr.	70 kr.	61 kr.		
Daily max.		90 kr.	110 kr.	103 kr.	82 kr.	75 kr.		
Annual Avg.		79 kr.	98 kr.	92 kr.	77 kr.	70 kr.	63 kr.	
Notes:	<p>1) Icelandic contribution towards the start-up and operation of the PAME Secretariat in 1999</p> <p>2) Contributions based on the ISK/USD exchange rate at time of deposit</p> <p>3) Canada has confirmed an increase in their annual contribution from 20,000 CDN to 30,000 CDN and an addition one time funding of CDN \$10,000 (2005 only) for Secretariat activities associated with the follow up of the implementation of the AMSP - not yet deposited</p> <p>4) Includes 800.000 kr for printing of documents for the Ministerial (e.g. AMSP, AMSP and PAME 2004-2006 brochures)</p>							

APPENDIX V

Memorandum of the AMSA meeting in Murmansk on August 30, 2006

Participants

1. Nikolai Babych, Murmansk Shipping Co
2. Nils Mortenson, BIMCO
3. Alexander Kondakov, Murmansk Shipping Co
4. Gennady Matisov, MMBI
5. Gisli Viggosson, Icelandic Maritime Administration
6. Nikolai Isakov, CNIIMF
7. Anatoli Holodov, CNIIMF
8. Yuri Glebko, CNIIMF
9. Vladimir Vorotshev, "Iceberg"
10. Alexander Ushakov, Rossmorrechflot
11. Elena Daniel, Gecon
12. Ross MacDonald, Transport Canada
13. Lawson Brigham, US Arctic Research Commission
14. Kimmo Juurmaa, Deltamarin Contracting

The meeting discussed the work that is planned to be done within the AMSA project and the general trends in the development of the marine activities in the Russian Arctic. Based on the discussion the meeting made following decisions:

1 Data questionnaire

It was agreed that CNIIMF will work with shipping data for 2004. Ross MacDonald will send CNIIMF the questionnaire in electronic form together with the Canadian data. CNIIMF will review the questionnaire and will inform Rossmorrechflot and Deltamarin about the cost and time needed for the work. It was estimated that the data will be ready within three months.

2 Future traffic volumes

It was agreed that the Gecon and CNIIMF will work with the estimates for the future traffic volumes in the Russian Arctic. Deltamarin will formulate a more specific request and time schedule for the work and send to CNIIMF, Gecon and Rossmorrechflot.

3 Risk analyses

It was agreed that CNIIMF will work with the risk analyses for the future traffic volumes together with the Helsinki University of Technology from Finland and DNV from Norway. Delta marin will prepare a more specific request and time schedule for the work and sends it to CNIIMF and Rosstrechflot.

4 Future ice conditions

It was agreed that the organisation to do the work related to the future ice conditions is AARI. The Finnish and US AMSA leads will discuss this work at next meeting of the International Association of the National Ice Services in Helsinki in October.