Status of the Arctic Marine Shipping Assessment (AMSA)

Arctic Council Assessment Under PAME

SAO Meeting, Svolvaer, Norway
24 April 08

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U.S. Arctic Research Commission ~ Anchorage
AMSA Status ~ Topics

• Accomplishments ~ Chapters
• Arctic Incidents Workshop (March 08)
• Key Upcoming Tasks
• Expert & Stakeholder Workshops ~ Review
• AMSA Timeline
• Required Support
• Potential Themes
AMSA Accomplishments by Chapter
Since November 2007

1 - Introduction & Geography
2 - History of Marine Activity & Governance
3 - AMSA Database ~ Ship Data ~ 1 May 08 Release
4 - Human Dimension
   ~ Lead Author, Ottawa Workshop on Indigenous Arctic Marine Use
5 - Scenarios & Futures
   ~ Scenario Narratives Released
   ~ Application of Scenarios to Environmental Issues
   ~ Arctic Marine Tourism Section (drafting)
6 - Environmental Impacts
   ~ San Francisco Workshop 29-30 April 08
7 - Arctic Maritime Infrastructure
   ~ 4 Co-Lead Authors
   ~ Ottawa Workshop (November 07)
   ~ Arctic Marine Incidents Workshop (March 08)
   ~ Baltic Sea Case Study (Finland ~ drafting)

Findings and Research
Arctic Marine Incidents Workshop
University of New Hampshire, 25-27 March 2008 ~ US NOAA Funded

Participants from: Canada, Denmark, Finland, Norway, Russia, South Africa, USA

- Grounded Barge with Explosives
- Mobile Drilling Rig & Support Ships ~ Collision/ Fire
- Ore Carrier Sinking
- Cruise Ship Grounding
- Tanker & Fishing Vessel Collision
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- Cruise Ship Grounding
- Tanker & Fishing Vessel Collision
UNH Workshop Common Outcomes

Mandatory IMO Guidelines
Identification ~ Places of Refuge
Arctic Search & Rescue (SAR) Agreement
Enhanced Environmental Response
Improved Arctic Communications & Vessel Routing
Expanded Environmental Monitoring (SAON ~ IPY Legacy)
Lack of Adequate Maritime Infrastructure
Arctic States & Cruise Ship Industry Summit ~ Deep Concern
Arctic Communities Involved in All Response Exercises
Environmental Risk Assessments ~ All Arctic Coastal Seas
Increased R & D for Oil Spills in Ice
Key Upcoming AMSA Tasks

(A) 29-30 April ~ San Francisco GBN-AMSA Environmental Workshop - Use of Scenarios ~ Chapter 6 Final Outline ~ Identify Experts as Contributing Authors

(B) Continued AMSA Town Hall Meetings
    - Canada, US, Greenland

(C) AMSA Ship Draft Database Release ~ 1 May

(D) 31 May ~ AMSA Day at PAME Meeting in Newfoundland
    - Themes Discussion ~ Data Review & Approval

(E) 15 June ~ 3 Regional Case Studies to 2020 Due:
    - Bering Strait Region (USA), Canadian Arctic (Canada), & NW Russia/ Barents Sea (Finland)

(F) 15 June ~ Chapter 3 Draft Due
AMSA Expert & Stakeholder Workshops

7/06 – Banff, ICETECH 06 ~ Brainstorming Issues  
3/07- Akureyri, Arctic Navigation Conference  
4/07- San Francisco, AMSA Scenarios I  
7/07- Helsinki, AMSA Scenarios II  
11/07- Ottawa, Arctic Maritime Infrastructure  
2/08 - St. Petersburg, NSR Partnership Futures Discussion  
3/08 – New Hampshire, USA, Arctic Marine Incidents  
3/08 - Ottawa, Indigenous Arctic Marine Use  
4/08 - San Francisco, AMSA Environmental Workshop  
7/08 - Planned, Banff, ICETECH 08  
9/08 - Planned, Hamburg, Arctic Salvage, Oil Spills & Arctic Ship Emissions
Required AMSA Support

Arctic State Review & Confirmation of AMSA Database
31 May ~ PAME Meeting

Environmental Impacts Chapter ~ Contributing Authors

Town Hall Meetings ~ Partnership: Permanent Participants, Arctic States (PAME) & AMSA Team

Input by Arctic States to Chapter 7 (Infrastructure)
~ Charting, Hydrography, SAR, etc.

Late Oct 08 PAME Meeting ~ Maritime Expert Involvement

Funding for AMSA Publications ~ $160-200K USD Editing, Mapping (GIS) & Publishing
Potential Themes for AMSA Discussions

IMO Arctic Ship Guidelines/ Future Polar Code
International Arctic SAR Agreement
Monitoring/ Observing the Environment (SAON/IPY Legacy)
Use of Large Marine Ecosystems Concept
International Arctic Environmental Response
Protection & Marine Safety ~ Central Arctic Ocean
Indigenous Marine Use ~ Multiple Use Management
Surveillance of Arctic Marine Activity ~ Sharing Arctic Ship Information
Arctic States & Global Cruise Ship Industry
Enabling Maritime Infrastructure
AMSA Communication to the Arctic & Global Maritime Communities
Future Role & Responsibilities of EPPR