PAME’s Shipping Initiatives under the 2009 Arctic Marine Shipping Assessment (AMSA)

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2009 Arctic Marine Shipping Assessment (AMSA) Report

- First comprehensive circumpolar assessment of shipping activity in the Arctic
- Approved at 2009 Tromsø Ministerial Meeting
- Contains 17 Priority Recommendations
- PAME has a lead role in advancing AMSA implementation
Other Key Arctic Council Reports with Shipping Recommendations

• 2013 Arctic Ocean Review (AOR) Final Report
• 2015 Arctic Marine Strategic Plan (AMSP)
Updating PAME’s Shipping Framework

- Shipping data in AMSA Report is 10+ years old
- Much has changed since – sea ice extent, ship traffic volumes, shipping regulations
- PAME is initiating a two-year project (2017-2019) to update the framework that guides priorities for its shipping-related work
- Other AC Working Groups input invited
Heavy Fuel Oil Project #1

• Four-phase project (2010-2019)
• Identify and compile information on actual use and carriage of HFO in the Arctic
• Identify risks of spills
  – Including risk and potential effects on Arctic marine and coastal environment
• Summarize status of international regulations to reduce identified risks
• Assess marine traffic in the Arctic
Heavy Fuel Oil Project #2

- Five reports released to date:
  - HFO in the Arctic – Phase I
  - HFO in the Arctic – Phase II
  - HFO in the Arctic – Phase IIb
  - HFO in the Arctic – Phase III(a):
    Heavy Fuel Oil and Other Fuel Releases from Shipping the Arctic
  - Phase III(b): Possible Hazards for Engines and Fuel Systems Using HFO in Cold Climates
Heavy Fuel Oil Project #3

- Phase IV (PAME’s 2017-2019 Work Plan)
  - Gather info on the most recent 3-year period on ships using HFO as fuel or transporting it as cargo
  - Collect info about on-shore HFO use by native & local communities & extent to which they rely on ships burning HFO to deliver supplies (w/SDWG)
  - Submit paper to IMO on PAME’s HFO Work
  - Commission a report on economic, technical and practical aspects of alternative fuel use by ships
Arctic Shipping Traffic Data (ASTD) Project

Purpose:
Collect historical information about shipping activity in the Arctic from the Arctic States to use for trend analysis and related purposes under the auspices of the Arctic Council.

Outcome:
User-friendly maritime traffic analyses of Arctic shipping data that benefits the Arctic Council, its working groups and subsidiary bodies.

Initiated as a part of previous and current PAME Work Plans (AMSA III(B) – Arctic Marine Traffic Systems)
Arctic Shipping Best Practices Information Forum

- Objective – support effective implementation of the IMO’s Polar Shipping Code by making key info easily accessible.
- Composed of Arctic States, PPs, Observers, and members of the shipping industry, NGOs, others
- Will create “one-stop shop” Web portal with curated links to key resources & information
Shipping Accidents in the Arctic

Wreck of Russian vessel “Petrozavodsk” on Norway’s Bear Island, 2009