**Arctic Shipping Trend Analysis Report**

*Draft project proposal prepared by the PAME Secretariat (version 4 Sep)*

# Project title and Background

*The Arctic Shipping Trend Analysis Report* is a bi-annual report based on PAME’s Arctic Ship Traffic Data (ASTD) project. The report will collect statistics on shipping information using data contained in the ASTD system which includes various information on shipping in the Arctic, such as emissions of ships, sailed distance by ships, ships in Arctic ports, size of ships and analysis on ship types. The shipping trend analysis can address shipping trends in specific areas e.g. within LME’s in the Arctic. This report is intended to give a statistical overview of Arctic shipping, highligting trends through maps, graphs and table with exlanatory text.

# Key Objectives

* Utilize the ASTD System to develop a biennial succinct report on shipping trends in the Arctic.
* contribute to the development of recommendations that enhance Arctic marine safety and support protection of Arctic people and the environment.
* Develop a statistical overview of Arctic shipping, highligting trends through maps, graphs and table with exlanatory text.
* To substitute the previous biennial AMSA Implementation Progress Reports.

**Inclusion/involvement/contribution by Permanent Participants:** The project will invite Permanent Participants to co-lead the project and/or to participate in the project steering committee.

**Traditional and Local Knowledge (TLK):** TLK will be considered in this project, as relevant.

# Main Components and timeline

1. **Data selection:**

Selection of shipping data such as:

* + Arctic shipping (number of ships in the Arctic, including on certain shipping routes, e.g. Northern Sea Route)
  + Ports analysis (ships in certain ports in the Arctic)
  + Area shipping (ships in certain areas, including the Arctic LME’s)
  + Ships in the Arctic (including type of ships, size of ships and flag)
  + Pollution by ships
  + And others as available and needed based and PAMEs shipping priorities

1. **Data synthesis**

The data will be split into categories, and a data package will be created to include:

* Maps
* Graphics
* Statistics (Excel sheets for further use)
* Density plots

1. **Communication and outreach**

* Develop biennial statistical overview of Arctic shipping, highligting trends through maps, graphs and table with exlanatory text.
* Post aggregated information of relevance on the PAME homepage

## Timeline and Major Milestones:

*(to be further developed)*

May-Aug 2019: Data selection and gathering and analysis

Aug 2019-May 2020: Data synthesis

May 2020-Feb 2021: Develop the Arctic Shipping Trends Analsysi Report

May 2021: Submit the 2021 Arctic Shipping Trends Report to the Arctic Council ministerial meeting

## Main outcomes

* Biennial Arctic Shipping Trend Analysis Report
* Aggregated information posted on the PAME homepage for download

# Estimated Budget:

Consistent with the overall Arctic Council approach, this project will be financed with in-kind contributions and with applications, e.g. to the Nordic Council of Ministers. The PAME Secretariat will support the project team with website efforts, data gathering and graphics production.

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| **Item** | **Budget (USD/in-kind)** |
| Project management, coordination, consultation and outreach | 50.000 |
| Data gathering and synthesis | 40.000 |
| Communication and outreach | 20.000 |
| Editing, final layout and printing | 10.000 |
| **Estimated Total:** | **120.000** |

# Project team

It is proposed that the project team will include PAME’s Shipping Expert Group and the ASTD co-leads. The PAME Secretariat will provide administrative and project assistance. Other Arctic Council working groups will be consulted accordingly.

# Action Requested by PAME II-2018:

* All comments and any other input into this draft project proposal are welcomed prior to, or at, the PAME meeting Oct 1-4 in Vladivostok.
* Agree to a revised draft project proposal and/or a timeline to finalize for inclusion into the PAME 2019-2021 Work Plan.