**Arctic Shipping Status Report (ASSR)**

*Final draft project proposal prepared by the PAME Secretariat (version 7 Jan 2019)*

**General comments received on the 28 Nov version:**

**Norway:** Email 19 Dec from Anja Elisenberg: *We have the following comments/questions:*

* *It says in the draft that selection of shipping data could include ports analysis (publically available information on ships in certain ports in the Arctic). We would like to get some more information about what is meant here as we are not sure the report can contain an analysis of this?*
* *It would be could to clarify what is meant by "operational time ".*
* *It seems the budget for the project is quite high, and we wonder if the costs could be lower given that a lot of the information will come from the ASTD project?*

*We look forward to discussing this further in the shipping group!*

**Sweden:** Email 14 Dec from Sofia Malmsten: *Thank you for circulating this project plan for us to comment on. We think that it is a very good idea to make use of the ASTD system and compile the suggested information. In your next version of the proposal you may want to clarify a little bit what communication and outreach activities you are thinking of. The reason why I‘m asking is in relation to the budget. You are for example referring to the regular reporting on Arctic shipping, and I‘m not sure what that encompasses.*

**USA:** Email 19 Dec from Peter Oppenheimer: *The USA is generally supportive of the revised draft ASSR project. Our one overarching comment is that we should focus on the applicability of the project as it is further refined and finalized to maximize its accessibility and usefulness for a variety of applications and not merely generate another report.  For example, how best can information be depicted in a useful way over time to best illustrate changes in Arctic ship traffic?  What information beyond ship traffic data will be mapped?  Changes in ice extent?  Will ecological information also be depicted in aspects of the report, e.g., bird breeding grounds, MPAs?*

*A method that NOAA has found useful for depicting complex info in an accessible and user-friendly way is story maps. A good explanation of story maps can be found* [*online here.*](https://guides.library.illinois.edu/storymaps)

**ICC:** Email 21 Dec from Nicole Kanayurak: replace Traditional and Local Knowledge (TLK) with Indigenous Local Knowledge (ILK) and “will the project include information on all ships and vessels regardless of size threshold identified within IMO Polar Code, for example?”. The answer is: Yes, the ASTD database contains information on all vessels, regardless of their size.

**Italy:** Email 29 Nov from Ssalvatore Mauro: as member of the SEG I fully agree on the contents of the ASSR draft project proposal.

**Singapore:** Email 17 Dec from Nurul Fitrah: *Thank you for the project proposal on developing an Arctic Shipping Status Report (ASSR). Singapore agrees with the aim of the project proposal to provide a snapshot of Arctic shipping to illustrate the various areas including number, type, size, and flag of ships sailing in the Arctic, shipping routes, distances traveled, aggregate air emissions, fuel type, and traffic destinations in the Arctic. We note that the report is a useful resource for Arctic Council Members and Observers, and for the larger shipping community. The report would also help contribute to the scientific and technical knowledge on Arctic shipping. The biennial report is a good start, and perhaps at a later stage or for future reports, the project could consider a 5-year time period if there are funds available to do so.*

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# Background

*The project* will illustrate ship traffic in the Arctic through maps, graphs and tables with explanatory text, using selected data extracted from the Arctic Ship Traffic Database (ASTD) and other sources as relevant. The aim is to provide a snapshot on Arctic shipping to illustrate, for example, a graphical depictions of the number, type, size, and flag of ships sailing in the Arctic over a defined period and/or a defined area, shipping routes, distances traveled, aggregate air emissions, fuel types, and traffic destinations in the Arctic, coupled with e.g sea-ice information and LMEs. The project will produce and communicate the information in an illustrative way, e.g. with Story maps or by other similar explanatory means online – to be decided by the project team. A good explanation of story maps can be found [online here.](https://guides.library.illinois.edu/storymaps) Synergies and cross-reference will be made to other PAME shipping-related projects and other Arctic Council projects.

# Key Objectives

* Utilize the ASTD System to develop a user-friendly, illustrative informational factsheets online on Arctic shipping through e.g. the producing of a number of Story maps to highlight interesting aspects of Arctic shipping activities – or by other means to be decided by the project team.

**Inclusion/involvement/contribution by Permanent Participants:** The project will invite Permanent Participants to co-lead the project and/or to participate in the project team and to overview the informational factsheets.

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

# Main Components and timeline

1. **Data selection** (based on agreement by the project team and input from the Shipping Expert group):

Identify which data to use for the project, such as:

* + Arctic shipping (number of ships in the Arctic, sailed distance, operational time/hours spent in certain areas, type of ships, size of ships and flag)
	+ Ports information (e.g. information on changes in ship types docking in certain ports)
	+ Area shipping (ships in certain areas, including the Arctic LME’s and Arctic Marine Protected Areas)
	+ Pollution by ships (e.g. ship emissions)
	+ And others as available and identified, including sea ice information, biodiversity e.g.
1. **Data synthesis**

To decide how to portray and compile the data. This can range from a status report, informational factsheets online, text and other information on a website, or Story maps. This also includes to identify input from others, including to identify experts to assist with specific sections of the project, e.g. the EA-Expert Group if information on shipping in LME’s is compiled or the MPA Expert Group in relation to shipping within the MPA’s.

1. **Communication and outreach**
* Dependent on the Data synthesis and what the project team decides is the best way forward, will include posting of all information online.
* Twitter communiction series: Highlighting certain information from the project and post online in a series of tweets for communication and outreach.
* Other social media activities, including postings PAME’s Facebook and Arctic Council Secretariat social media accounts.

## Timeline and Major Milestones:

*(to be further developed)*

May-Aug 2019: Data selection and synthesis

Aug 2019-May 2021: Develop information products

May 2021: Submit the products to the Arctic Council ministerial meeting as information items

## Main outcomes

* Informational product or products on Arctic shipping activities
* Online products on PAME website

# Overall Estimated Budget:

Consistent with the overall Arctic Council approach, this project will be financed with in-kind support. Financial contributions will be sought from other sources, such as the Nordic Council of Ministers. The PAME Secretariat will provide website expertise, data gathering, and the Story maps production.

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| --- | --- |
| **Item** | **Budget (USD/in-kind)[[1]](#footnote-1)** |
| Project management, coordination, consultation and outreach | 25.000 |
| Data gathering and synthesis  | 30.000 |
| Communication and outreach | 20.000 |
| Editing, final layout and online posting | 10.000 |
| **Estimated Total:** | **85.000** |

# Project team

It is proposed that the project team will include PAME’s Shipping Expert Group and the ASTD co-leads, Norway and USA. These leads would also benefit from working closely with people utilizing ASTD to gather information on future developments and how it is used in projects within PAME. The PAME Secretariat will provide administrative and project assistance. Other Arctic Council working groups will be consulted accordingly.

1. The budget is based on in-kind contributions and is not considered as a part of the ASTD budget. [↑](#footnote-ref-1)