

IDENTIFICATION AND RISK
ASSESSMENT OF ARCTIC
MARINE
INVASIVE ALIEN
SPECIES IN
ARCTIC WATERS

SOFFÍA
GUÐMUNDSDÓTTIR
EXECUTIVE SECRETARY
PAME WORKING GROUP OF THE
ARCTIC COUNCIL





Sustainable Development
Working Group



PAME
Protection of the Arctic Marine Environment



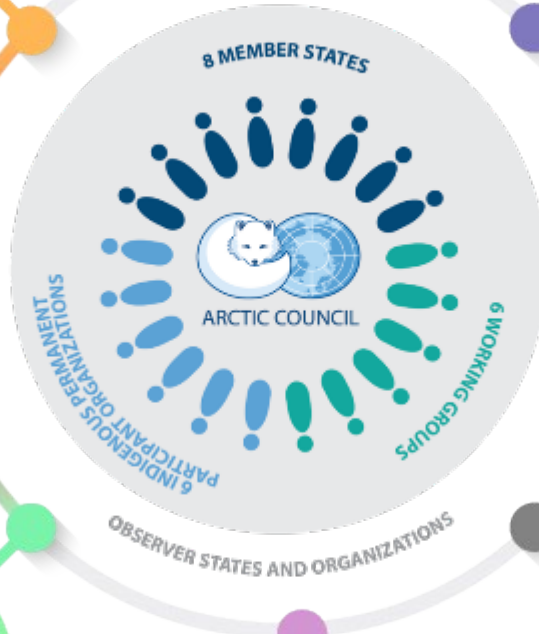
ARCTIC CONTAMINANTS
ACTION PROGRAM



Conservation of Arctic Flora and Fauna



EMERGENCY PREVENTION,
PREPAREDNESS AND RESPONSE





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EMERGENCY PREVENTION,
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8 MEMBER STATES

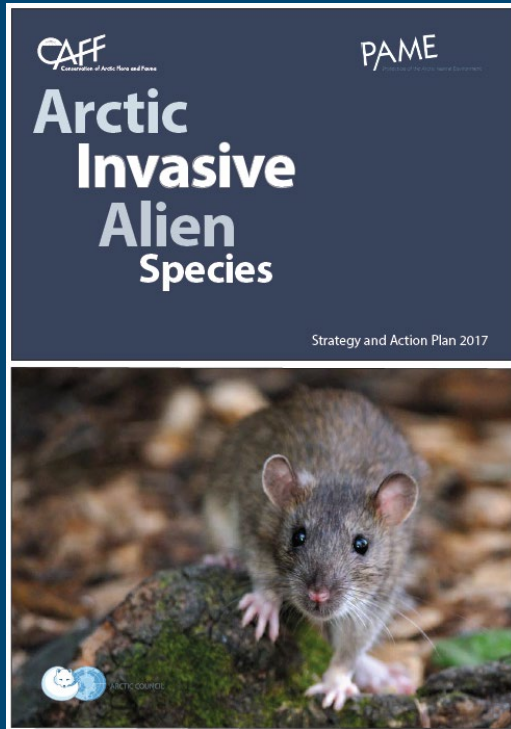
ARCTIC COUNCIL

6 WORKING GROUPS

6 INDIGENOUS PERMANENT PARTICIPANT ORGANIZATIONS

OBSERVER STATES AND ORGANIZATIONS

MARINE INVASIVE ALIEN SPECIES IN ARCTIC WATERS



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BACKGROUND

The Arctic Invasive Alien Species (ARIAS) Strategy and Action Plan

Sets forth priority actions that the Arctic Council and its partners are encouraged to take to protect the Arctic region from the adverse impacts of invasive alien species. These priority actions span terrestrial, aquatic, and marine ecosystems. The actions take environmental, cultural, and economic perspectives into consideration, including drivers, impacts, and response measures.

The priority actions are divided within the following goals:

1. Inspire urgent and effective action
2. Improve the knowledge base for well-informed decision making
3. Undertake prevention and early detection/rapid response initiatives

MARINE INVASIVE ALIEN SPECIES IN ARCTIC WATERS



Phase I Project period: 2021-2025

Project focus: priority actions within ARIAS goal 2. *Improve the knowledge base for well-informed decisions making:*

The aim of the project (Phase I) is to:

- a) Compile a list of known nonindigenous species, including their distributions
- b) Review methods used for risk assessment
- c) Assessment the probability of nonindigenous species to be transferred to, and within the Arctic, including risk assessment (currently and in climate scenarios for the year 2100).

Outcome of Phase I may be a platform to potential follow up on ARIAS Goal no. 3. *Undertake Prevention and Early Detection/ Rapid response*

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Primary Objectives and Organization

- Produce a scientific report (less than 75 pages) based on existing and published information that will help improve the knowledge base on Invasive and alien species in the Arctic Waters.
- Inform follow up work on this topic within PAME and CAFF related to specific actions in the Arctic Invasive Alien Species Strategy and Action plan (ARIAS)

Canada, Norway, the Kingdom of Denmark are leading the project and responsible for the overall project development.

joint Invasive & Alien species Expert Group (IAS-EG), based on nominations from PAME/CAFF members.

Simultaneously developing an information brief



CAFF
Conservation of Arctic Flora and Fauna

TABLE OF CONTENT NEXT STEPS



1. Abstract
2. Summary
3. Background
4. **Marine Invasive Alien Species in different ecoregions Arctic Waters**
5. **Summary from previous and ongoing risk assessments**
6. **Shipping in Arctic waters today and in the future**
7. **Current regulation, including IMO regulation of shipping**
8. **Impact of climate changes on living conditions in different Arctic ecoregions in year 2100**
9. Assessment of the probability of nonindigenous species to be transferred by ships into Arctic waters, and between different Arctic ecoregions present and in the year 2100
10. Conclusion and recommendations

THANK YOU

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