

ICES WGSHP: The Impacts of Marine Shipping

A large cargo ship is sailing on the ocean. The ship is dark-colored with a white superstructure. It has two large cranes on its deck. The ship is moving from left to right across the frame. The water is calm with some ripples. In the background, there are low mountains or hills under a sky with soft, wispy clouds. The lighting suggests it is either early morning or late afternoon.

Co-Chairs

Cathryn Murray, Canada

Ida-Maja Hassellöv, Sweden

Terms of Reference

- a) Conduct strategic planning through review of national research on shipping interactions with the environment
- b) Review the intensity, geographical scope, and trends in current and future global shipping activity
- c) Review methods to assess the effects of shipping on the marine environment, including cumulative effects
- d) Review and identify mitigation strategies for decreasing shipping noise
- e) Identify methods for holistic management of shipping impacts

WGSHIP Scope

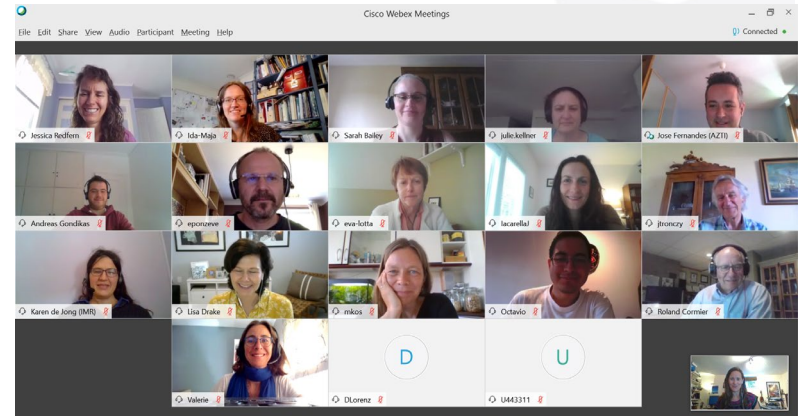
- The scope of the working group includes all vessel types, not limited to merchant mariners, including merchant shipping, commercial fishing vessels, recreational vessels, and passenger ferries.
- The characteristics and intensity of different vessel types may differ, but the pressures, effects, and impacts of all vessels may be considered by the working group.
- The introduction of invasive species is not included in pressures examined by the WG, except in holistic evaluation of shipping.
- Fishing activities themselves are not within the scope.

1st WG meeting

- November 2019
- Copenhagen, Denmark

2nd WG meeting

- May 2020
- Virtual



Deliverables

1. Conceptual model of effects of shipping and associated pressures, with further use in ICES Ecosystem Overviews
2. Review of mitigation measures for underwater noise and trade-offs with other shipping pressures
3. ICES Viewpoint on the effects of scrubber water on the marine environment

ICES Viewpoint

- Scientific background document:
Impact from exhaust gas cleaning systems (scrubbers) on the marine environment
Publication expected 24 September 2020

- ICES Viewpoint and background document will be submitted to next PPR

