

Agenda Item 9
Reduction of Underwater Radiated Noise from
Commercial Shipping

Underwater noise from ships: impacts

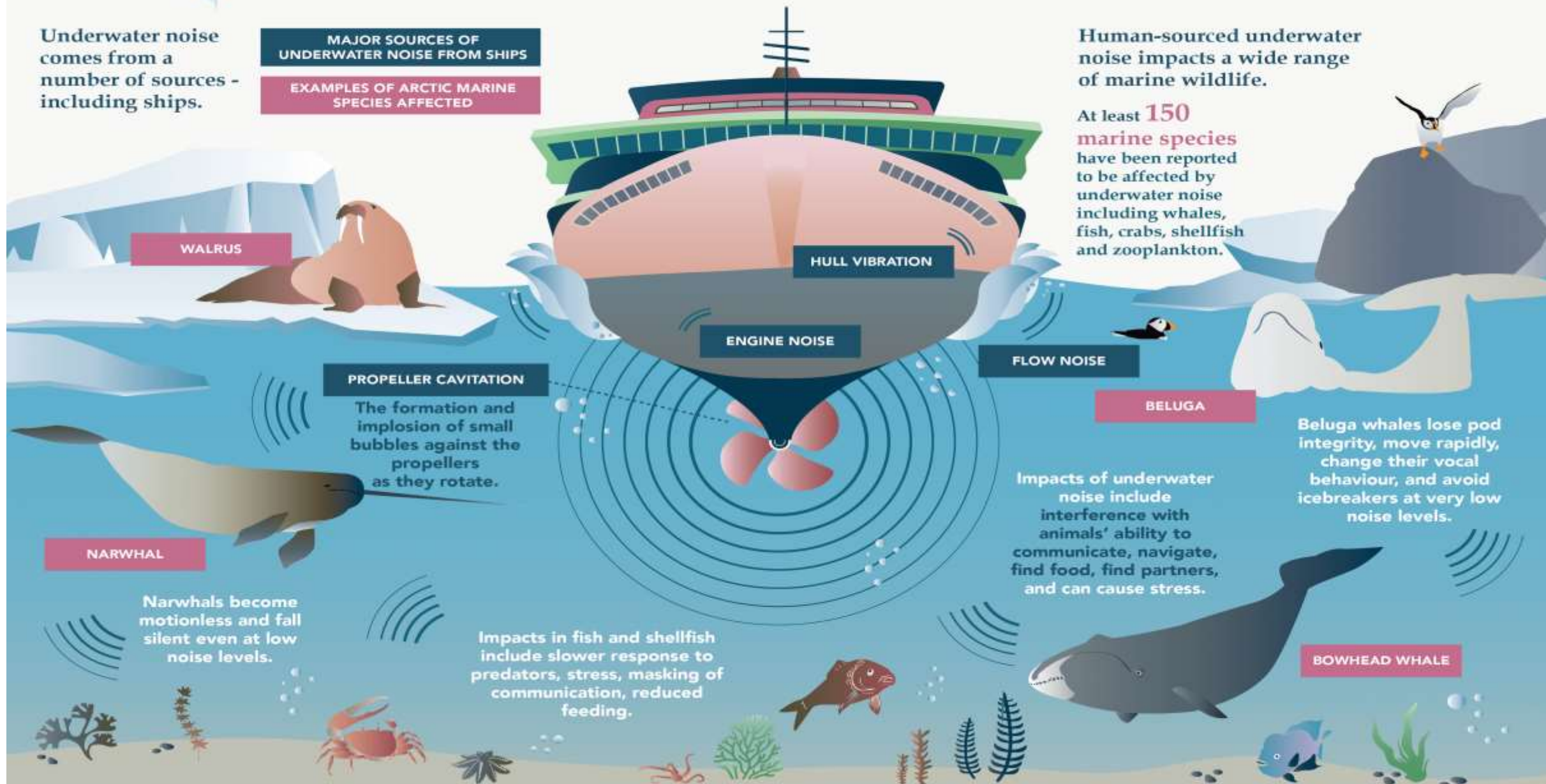
Underwater noise comes from a number of sources - including ships.

MAJOR SOURCES OF UNDERWATER NOISE FROM SHIPS

EXAMPLES OF ARCTIC MARINE SPECIES AFFECTED

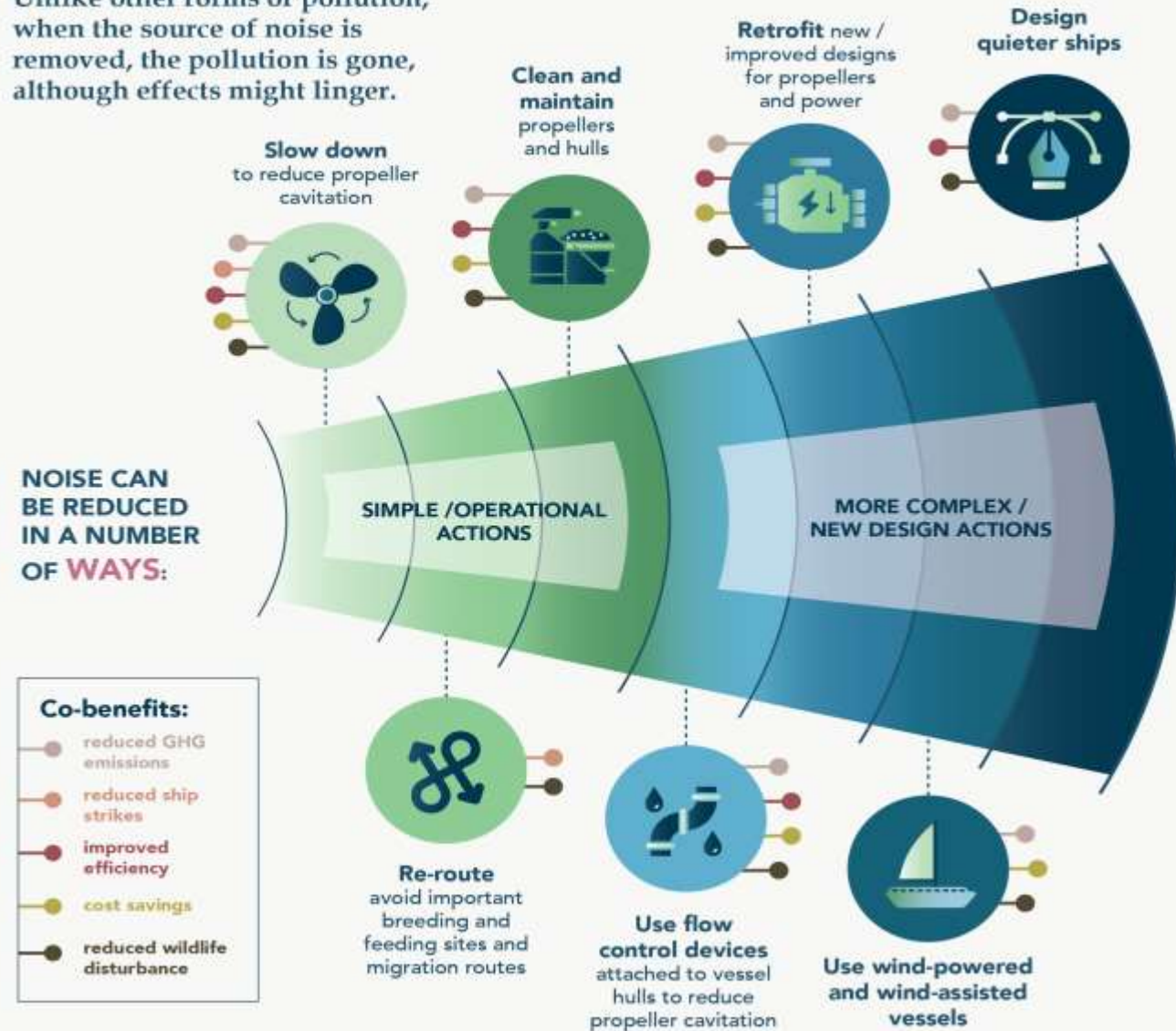
Human-sourced underwater noise impacts a wide range of marine wildlife.

At least **150 marine species** have been reported to be affected by underwater noise including whales, fish, crabs, shellfish and zooplankton.



Underwater noise from ships: solutions

Unlike other forms of pollution, when the source of noise is removed, the pollution is gone, although effects might linger.



MEASURES THAT CAN BE VALUABLE TO REDUCE NOISE LEVELS

THE IMO AND ITS MEMBER STATES SHOULD:



- Regulate noise emissions from international shipping:
 - Require ships to prepare noise management plans
 - Set explicit targets for underwater ship noise reduction

SHIPOWNERS AND OPERATORS SHOULD:



- Develop and implement ship-based noise management plans that aim to reduce ship noise levels
- Recognise the importance of Indigenous Knowledge on noise impacts on marine wildlife and develop voyage plans and operations to minimise impacts
- Slow down, especially in and near important marine habitats
- Design and develop quieter ships

ADMINISTRATIONS AND OTHER STAKEHOLDERS SHOULD:



- Provide financial incentives for ship quieting measures
- Support research and monitoring of impacts and solutions
- Provide educational tools, e.g. information on important wildlife areas and migration routes

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- MEPC 66-Original Guidelines
- MEPC 80-Revised Guidelines, Inuit Nunaat Arctic Guidelines approved (MEPC.1/Circ.907)
- MEPC 81-Draft Action plan endorsed, noted SDC 10 agreed to three year experience building phase
- MEPC 82-Continue momentum forward



WWF noise side event
Thursday 10/3 at 1:30pm

