

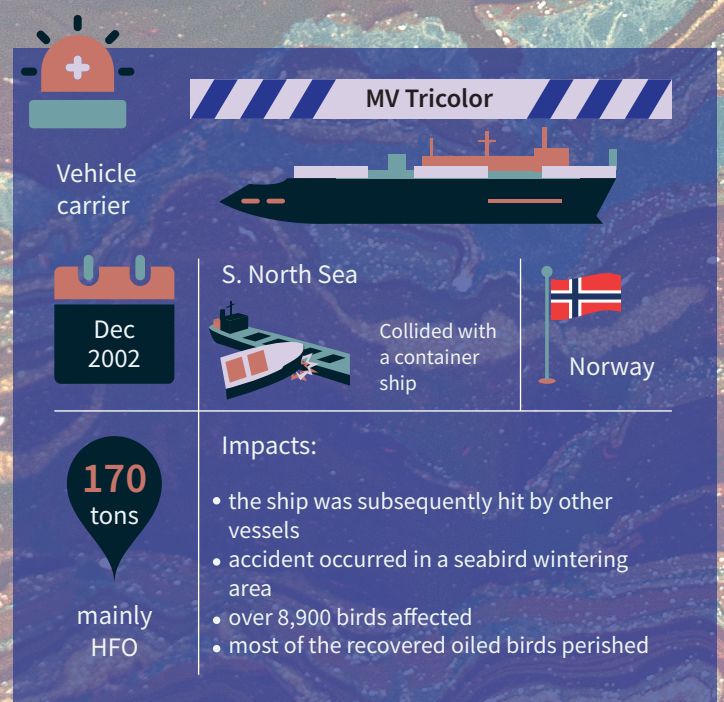
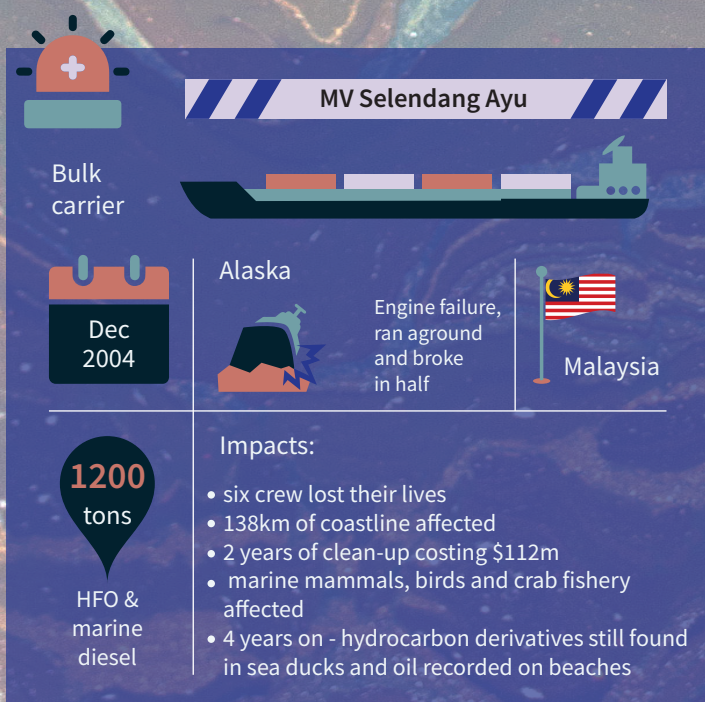
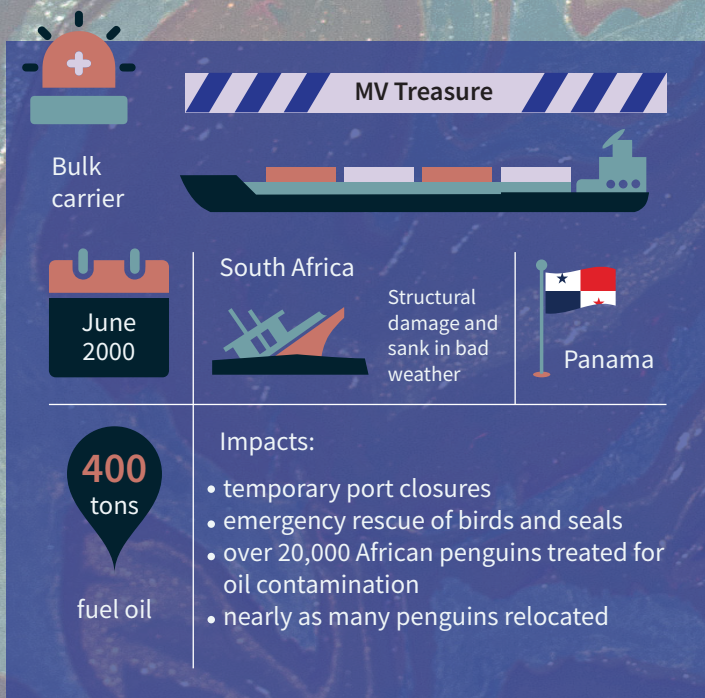
HEAVY FUEL OIL SPILLS

CASE STUDIES OF A GLOBAL PROBLEM...OR WHY AN ARCTIC HFO BAN IS NEEDED NOW!

Heavy Fuel Oil (HFO) spills pose a threat to marine ecosystems and local economies.

Small spills of ships' fuel oil can have a significant impact on livelihoods and marine wildlife.

These case studies show the impact of fuel oil spills and support the urgent need for a comprehensive ban on HFO and carriage as fuel in the Arctic.





MV Assi Euro Link

RoRo carrier





Jan 2003

North Sea



Collided with another ship and sank



The Netherlands




350 tons

mainly HFO


Impacts:


- collision happened near a UNESCO World Heritage wetland site
- oil spill spread over 50km
- approximately 20,000 seabird casualties



Nefterudovoz-57


Cargo ship






Sep 2003


Russian White Sea



Collided with another ship in bad weather



Russia




54 tons

HFO


Impacts:

- only 9 tons of spilled oil was recovered
- local beluga whale population abandoned its prime calving habitat in Onega Bay
- 10 years on - hydrocarbon levels in nearshore waters still 22 times the maximum permissible



MV Solomon Trader


Bulk carrier






Feb 2019


Solomon Islands



Ran aground onto coral reefs



Hong Kong, China




100 tons

HFO

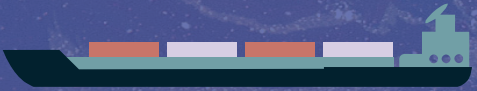
Impacts:


- happened near a World Heritage site
- took over 1 month to stop the leak
- reefs and coastline polluted
- fishing communities unable to work
- local freshwater springs contaminated



MV Wakashio


Bulk carrier






Jul 2020


Mauritius



Ran aground



Panama








1000 + tons

HFO

Impacts:

- spill happened in a biodiversity hotspot
- coral reef, fish, marine mammals, seagrass and birds affected
- full impacts still being established and the tourism dependent economy could be affected for years

- ➡ Risk of a HFO fuel spill in the Arctic increases as shipping activity increases 
- ➡ Navigation in the Arctic is challenging due to uncharted waters, ice and weather conditions 
- ➡ HFO fuel spills have a major impact on the environment and local economies - impacts will be more severe in Arctic waters 
- ➡ A HFO fuel spill in the Arctic will be difficult to respond to given the lack of spill response capability 
- ➡ A HFO spill in icy conditions will be impossible to clean-up if the oil is trapped under ice 

A HFO BAN IN THE ARCTIC IS NEEDED NOW!