The Use of Heavy Fuel Oil in Arctic Shipping



In 2015 in the Arctic

889 HFO-fueled ships

830K tonnes of fuel onboard 250K tonnes of HFO 131 tonnes of BC

Update 2017 HFO-fueled ships

+30%

HFO carriage

HFO use

BC from HFO





Black Carbon (BC) is a critical contributor to human-induced climate warming, especially in the Arctic, and the combustion of HFO produces high levels of BC emissions.

HFO-fueled Arctic ships include:









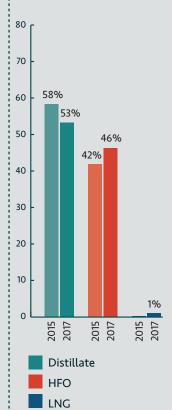
oil tankers

cruise ships

2015 vs 2017

Number of HFO-fueled ships is growing

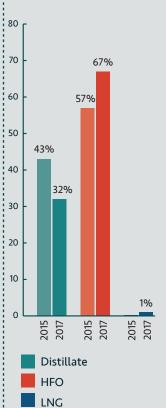
Ships operating on each fuel in the Polar Code Arctic



2015 vs 2017

Use of HFO is growing

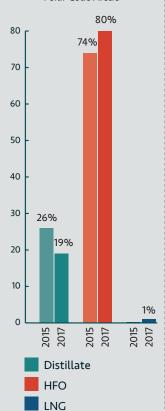
Fuel Use in the Polar Code Arctic



2015 vs 2017

Carriage of HFO is growing

Fuel Carriage in the Polar Code Arctic



Designer: Margherita Gagliardi

