# Impact assessment and an Arctic HFO ban

#### In April 2018, the International Maritime Organization (IMO) committed to develop a ban on HFO for use and carriage as fuel by ships in Arctic waters, on an appropriate timescale, on the basis of an assessment of the impacts.

An impact assessment methodology should follow these 5 STEPS (MEPC 73/9/2, Aug 2018):



#### Define the problem

The most significant threat from ships to the Arctic marine environment is the release of oil through accidental or illegal discharge (a).



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### **Define policy objectives**

Develop measures to reduce risks of use and carriage of HFO as fuel by ships in Arctic waters, particularly with respect to environmental damage associated with HFO spills (MEPC 71/17, October 2017).

#### **Develop policy options**

Given the clear direction taken by the IMO (MEPC 72/17, April 2018), the policy objective under consideration is how to best implement a ban on the use and carriage of HFO for use as fuel by ships operating in the Arctic, based on the outcome of an impact assessment.

### **Analyze impacts**

Identify and assess the economic, environmental, and social implications of a ban of HFO for use and carriage as fuel by ships in Arctic waters.

### **Recommend a policy option**



Given the clear policy direction, and the fact that a tried and tested methodology for an impact assessment is widely available and most of the elements of an impact assessment have already been undertaken, work to develop a new regulation to ban the use and carriage of HFO as fuel by ships operating in the Arctic should commence.



# Focus on Step 4: Analyze Impacts

## **Environmental Impacts**

The first of four multi-phase reports published by the Arctic Council concludes that... using distillates instead of HFO as fuel would achieve significant spill risk reduction (b).





#### **Social Impacts**

We are constantly reminded how taking action on greenhouse gas emissions will negatively impact our economy ... which is a very outdated card to play at this stage with our climate crisis. I would say do not play this card when it comes to banning HFO which has potential to create extreme irreparable damage to our Arctic oceans ... and I repeat the oceans are the life force and source of life for us as Inuit of the Arctic.

Sources:

(a) Arctic Marine Shipping Assessment, Arctic Council 2009 (b) Det Norske Veritas, 2011. Heavy fuel in the Arctic – Phase 1 (c) Det Norske Veritas 2013. HFO in the Arctic – Phase 2 (d) Ansell et al. 2001. A review of the problems posed by spills of hear

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(f) Vard, Marine Inc., Arctic Fuel Switching Impact Study, 2016

(g) Deere-Jones, T., Ecological, Economic and Social Impacts of Marine / Coastal Spills of Fuel Oils (Refinery Residuals), 2016 Sheila Watt-Cloutier, Environmental and Human Rights Advocate

(h) DeCola, et al., Phasing Out the Use and Carriage for Use of Heavy Fuel Oil in the Canadian Arctic:Impacts to Northern Communities, Nuka Research and Planning Group, 2018.

Other reading:

Roy, B. & Comer, B., Alternatives to Heavy Fuel Oil Use in the Arctic: Economicand Environmental Trade-Offs, International Council on Clean Transportation, 2017

Produced by the Clean Arctic Alliance: www.HFOFreeArctic.org Designer: Margherita Gagliardi