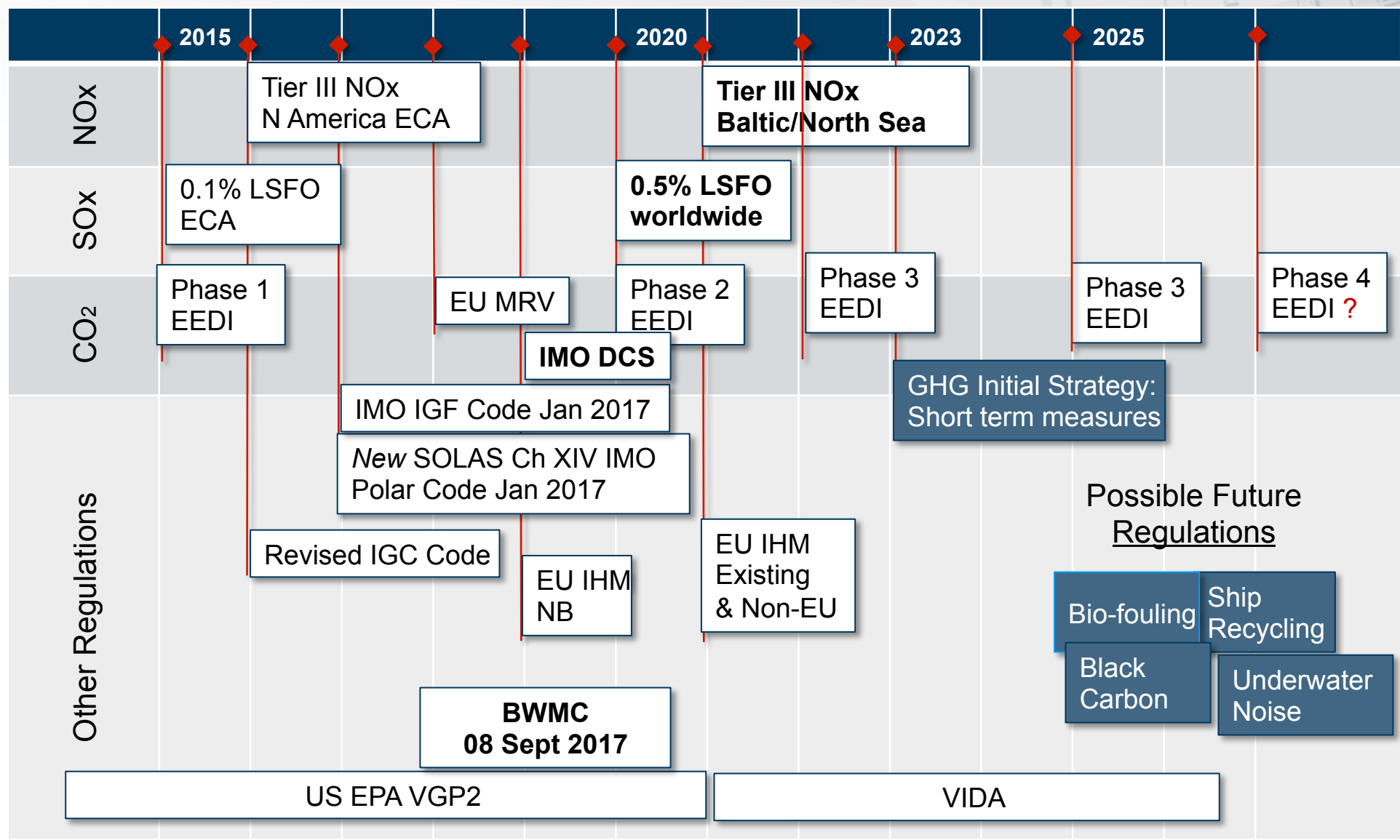


Environmental Regulatory Update and Mediterranean Sea ECA Feasibility

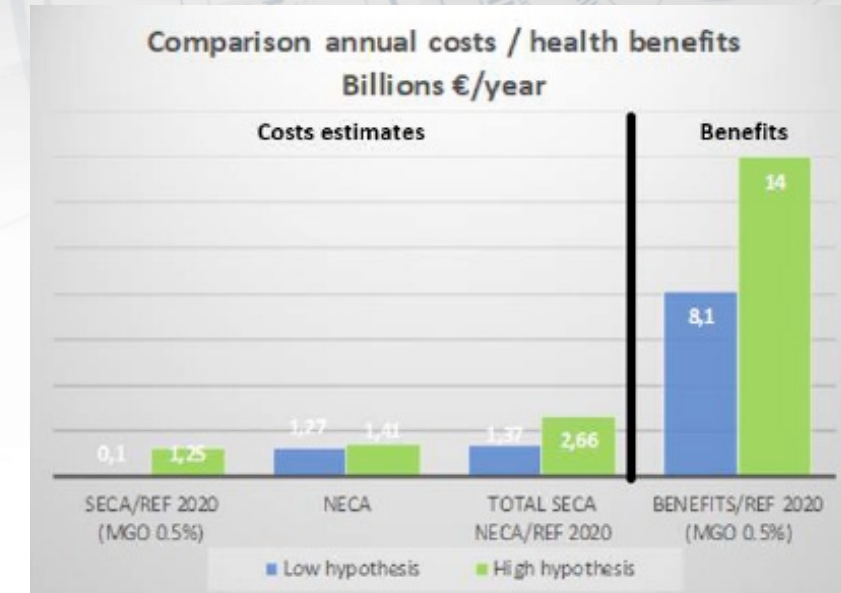
Athens June 2019

Regulations Timeline

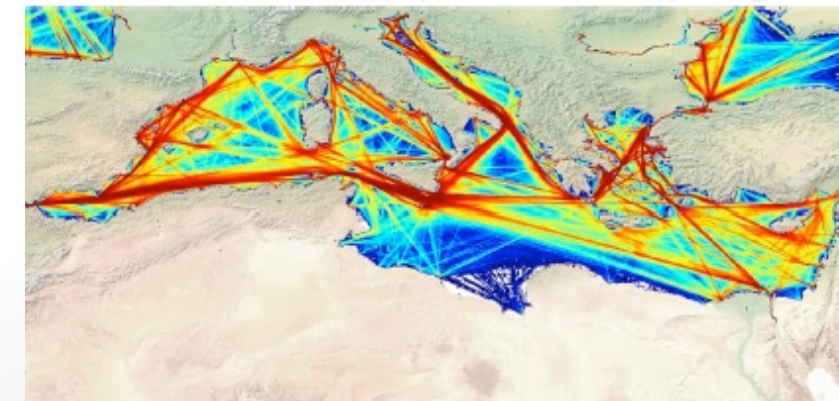


Technical Feasibility Study for an ECA in the Mediterranean Sea

- Impact study to measure the effect of a potential ECA (MEPC 74/INF.5)
- The implementation of a SECA will reduce the emissions (compared to 2015/2016) as follows:
 - SOx by 95%
 - Particulate Matter by 80%
 - Black Carbon by 51%
 - NOx by 5%
- The implementation of a NECA will reduce the emissions (compared to 2015/2016) of NOx:
 - by 38% when 50% of ships will be TIER III
 - by 77% when 100% of ships will be TIER III
- Results:
 - health gain of 8.1 to 14 billion euros per year
 - nearly 1730 premature deaths avoided each year
 - costs are estimated at between €1.4 and €2.7 billion.



Source: MEPC 74/INF.5



Source: MEPC 74/INF.5

A large, faint, light-blue circular technical diagram is positioned on the left side of the slide. It consists of multiple concentric circles, radial lines, and various geometric shapes, resembling a ship's hull cross-section or a complex engineering drawing.

THANK YOU

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