

Stakeholder perspectives on alternative fuels and decarbonisation of the shipping industry

Is there a role for sustainable biofuels in the decarbonisation of shipping?



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Executive Director

Sustainable Shipping Initiative

Symposium on IMO 2020 and alternative fuels

IMO HQ, London

17-18th October 2019

SSI: Who are we?



PRIYA BLUE
Priya Blue Industries Pvt. Ltd.



sustainable
shipping
initiative



SSI Vision2040: Sustainability = Success



How does the SSI work?

A multi-stakeholder initiative that brings together **like-minded and ambitious leaders spanning the entire shipping value chain** to contribute to – and thrive in – a more sustainable maritime industry.

through

Leadership: Demonstrating leadership through our members' sustainability initiatives to inspire change by sharing learning and best practice

Collaboration: Combining the SSI's expertise and knowledge to address specific challenges and working together to develop tangible solutions for adoption by the industry to overcome barriers to change

Voice of the industry: Driving and convening debate on key sustainability issues to encourage long-term thinking across the industry



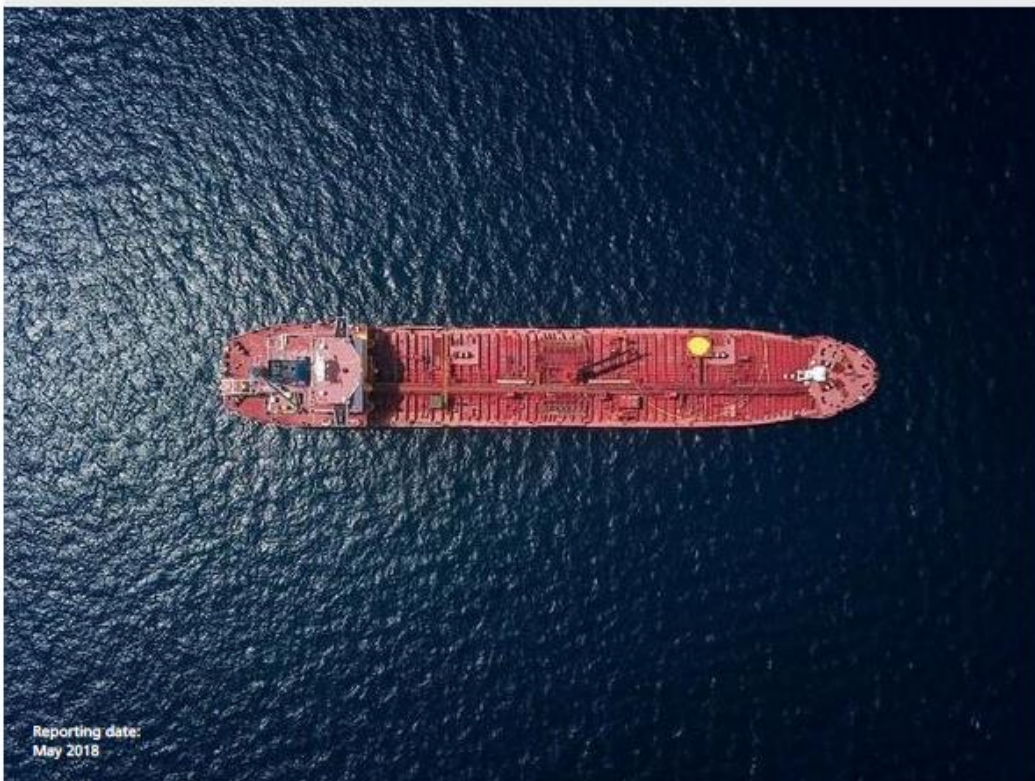
Decarbonisation

sustainable
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Zero Emission Vessels, what needs to be done?

Report prepared for Sustainable Shipping Initiative

Report produced by Lloyd's Register Group and University Maritime Advisory Services



Published in May 2018
This report concluded that:

“advanced biofuels may represent the most economically feasible zero-emission alternative for the shipping industry.

The fact that biofuels can be used in a way that very closely mirrors current technology, i.e. through internal combustion, means that associated additional costs are kept to a minimum of the fuel price itself.

Under the scenarios projected in this study, these costs are within the realm of acceptability for many in the industry.”

Published in May 2018

Biofuels are also the most ‘technologically ready’ of the various alternatives being proposed for long-range shipping

(batteries can and are being used on short-range ferries, but they are unlikely to service long range routes due to limits on energy density).

Biofuels are already available and being used

(albeit typically in experiments and pilots).

As such, they hold the potential to be deployed at scale more rapidly than ammonia or hydrogen electro-fuels.





Published in May 2018

However, biofuels have also proven highly controversial, with questions raised not only about adverse sustainability impacts arising from their use, but also whether there will be sufficient availability to meet the needs of a variety of different sectors.

The Zero Emission Vessels Report went on to note that biofuels:

*“may not be the answer to the question of decarbonisation, due to two important, and coupled, considerations – **sustainability** and **availability**.”*

2019 – Multi Stakeholder convening on Biofuels – Sustainability and Availability

Internal knowledge paper on the key questions

Lead an inquiry on the Sustainability and Availability, asking:

WHAT IS THE ROLE OF SUSTAINABLE BIOFUELS IN SHIPPING'S DECARBONISATION?

Findings published – Report Launch 15th November at IMO HQ *

Jun - Dec 2018

Jan - Sept 2019

Nov 2019

1

**Seminar 1
Sustainability
June 2019**

2

**Seminar 2
Availability
July 2019**

3

**Webinar
August 2019**

4

**Climate Week
Panel Discussion
September 2019**

* Launched at the sixth intersessional meeting of the Working Group on Reduction of GHG Emissions from Ships



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Thank you



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