

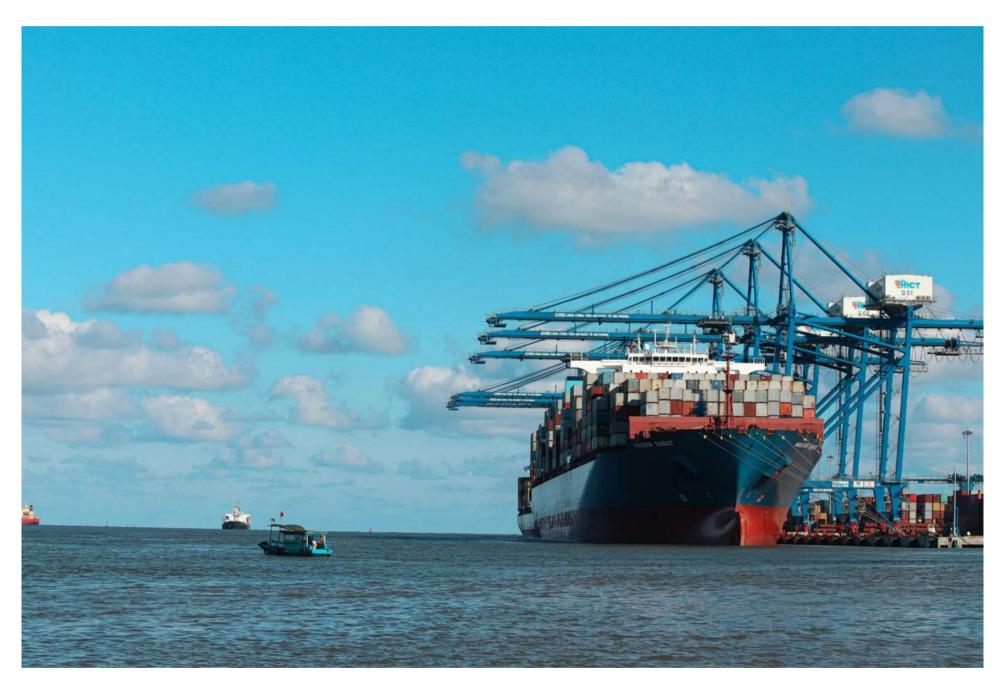
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## Decarbonization of International Shipping: Importance of Alternative 'Green' Fuels

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International shipping is a significant source of carbon emissions. It accounts for <u>some 2.89% of global anthropogenic</u> <u>emissions and is the sixth largest emissions source</u> by sector. Yet, it is indispensable to international trade, carrying <u>over 80% of the world's merchandise trade</u> by volume. In 2023, the United Nations Conference on Trade and Development (**UNCTAD**) published a report finding carbon emissions from international shipping were <u>20% higher</u> <u>than 2013</u>, with overall emissions increasing by <u>40% by 2050</u> due to the expected increase in global trade volume. With the impacts of climate change becoming <u>more frequent</u> and <u>intense</u>, curtailing global anthropogenic emissions is ever more important, and the implications of international shipping on climate change will necessarily have to be given more attention. What emerging 'green solutions' will shipping take, and what are the risks and benefits?