

<div class="df_qntext">How can the shipping industry achieve a 'dual carbon' target?

Therefore, it is necessary to draw on the legislative experience from abroad to formulate a climate change law that regulates carbon emissions, integrating fragmented relevant regulations. This approach will better guide the emission reduction process across all sectors, including the shipping industry, to achieve the "dual carbon" targets.

<div class="df_qntext">Does China have a "dual carbon" target for shipping decarbonization?

Review and reflections of legislation and policies on shipping decarbonization under China's "dual carbon" target. Front. Mar. Sci.

<div class="df_qntext">Does China have a policy on shipping emission reduction?

This study provides clear policy guidance for China in ship construction, clean energy research and development, pollution monitoring and prevention and control, and participation in international emission reduction cooperation by sorting out and analyzing the latest policies on China's shipping emission reduction.

<div class="df_qntext">Does shipping rely on alternative energy for long-term decarbonization?

We observe this trend consistently across major cargo-carrying ship segments, including container, bulk carrier, and tanker shipping, which collectively account for over 75% of shipping GHG emissions. Within the container shipping segment, the reliance on alternative energy for long-term decarbonization sees the highest increase among all segments.

<div class="df_qntext">What is China's 'Dual carbon' goal?

Under the guidance of China's "dual carbon" goal, China has promulgated a series of policies and regulations for shipping emission reduction to guide the green transformation of the shipping industry.

<div class="df_qntext">How much CO2 does shipping emit?

In 2018, global shipping emissions represented 1 076 million tonnes of CO₂, and were responsible for around 2.9% of global emissions caused by human activities. Projections show that these emissions could increase by up to 130% of 2008 emissions by 2050.

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This study aims to estimate the total carbon emissions produced by the container handling equipment (CHE) used in the container port operations and to plan the carbon emission ...

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