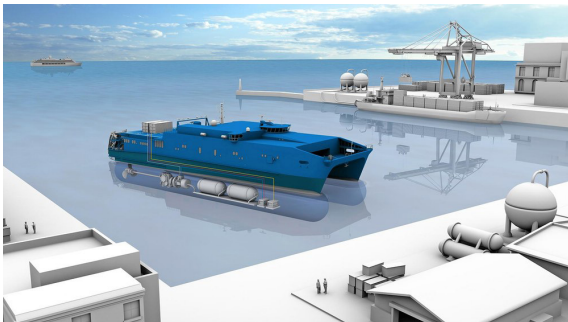




Maritime Emissions  
Forecaster

powered by MoDa

## Sustainable mobility transformation - identification and evaluation of decarbonization strategies for the maritime sector



### Developed for:

- Policy makers
- Authorities
- Research and Development
- Industry
- NGOs

The CO<sub>2</sub> intensity of a ship can be reduced both through operational measures, such as reducing speed, and through technical measures, such as using energy-saving technologies or renewable fuels. Because no single measure will be sufficient, it is clear that a combination of measures will be necessary. However, the question of which combination to apply to different ships, considering their individual characteristics and needs as well as the future availability of different fuels, infrastructures and technologies, remains open.

The *MaritimeEmissionsForecaster (MEF)* service offers the possibility to analyze how individual ships or fleets will develop over time under different decarbonization strategies. A special feature of the *MEF* is that it uses a holistic simulation-based approach that allows for the consideration of a wide range of factors, including ship emissions with associated climate impacts, transport capacity, and the shipyard capacity required to build new ships and retrofit existing ones.

*MEF* helps policy makers, shipowners, and other maritime stakeholders to identify and to holistically evaluate different ways to reduce emissions from the shipping sector in a sustainable and resource-efficient way.

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