



M²ARE

Renewable methanol production for the shipping industry

M²ARE aims at producing a new grade of **low-cost** and **low-carbon methanol**, based on **biogenic CO₂** and **renewable H₂**

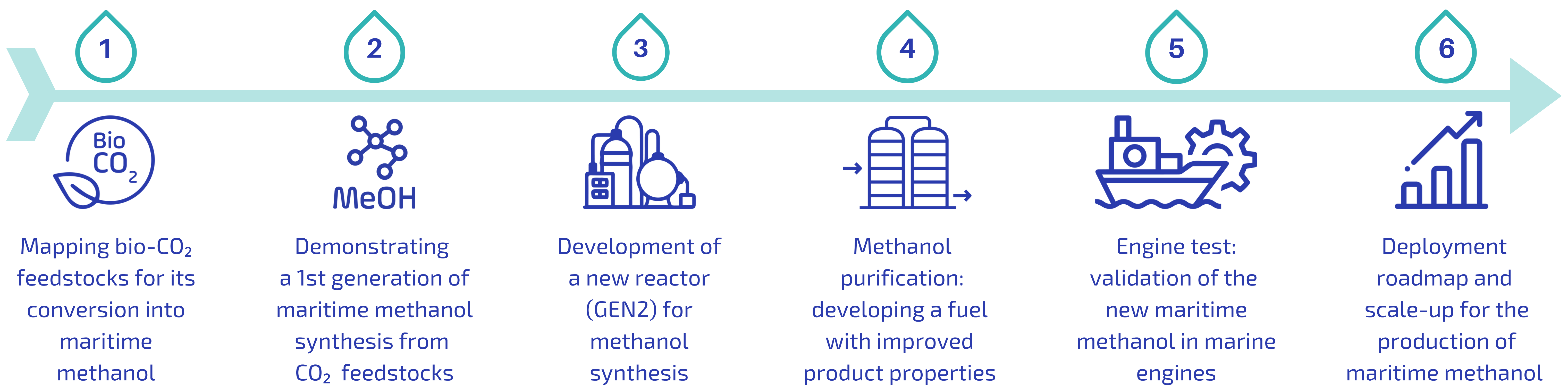
Switching from conventional fossil-based maritime fuels to methanol based on current technologies will already decrease GHG emissions significantly, with **up to 70% of savings.**

Today, **marine transportation** is primarily driven by **diesel engines**

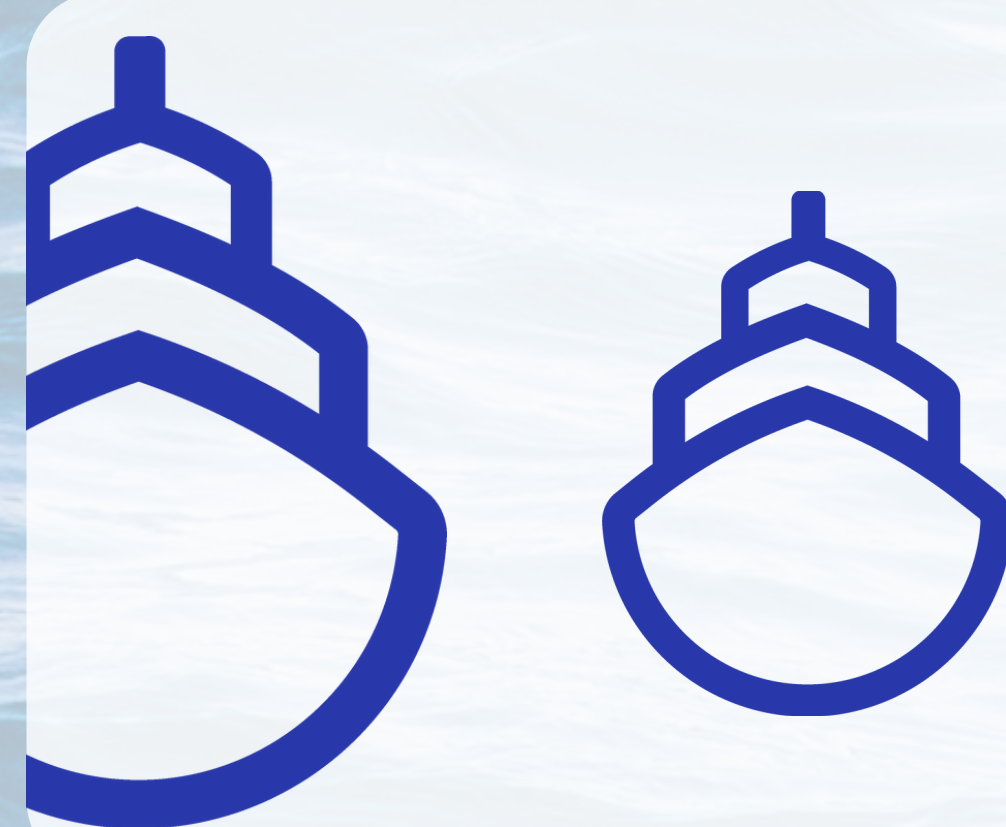
3% Of total EU GHG emissions are represented by shipping

13% Of the transport sector EU GHG emissions are represented by shipping

The overall **ambition** is to deliver a **TRL 7 European methanol synthesis process** by **2027**, to support the needs of the global shipping sector in **reducing its CO₂ emissions.**



M²ARE Project
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Reduction of:

80%
CO₂ emissions by 2030

90%
CO₂ emissions by 2040

Support targets for producing:

2 Mta by **2030**

40 Mta by **2040**

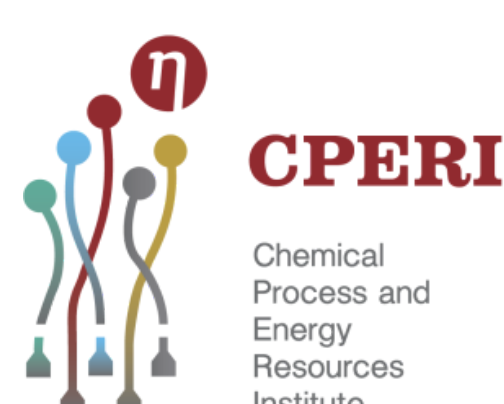
100 Mta by **2050**

of maritime methanol

Coordinator:



Partners:



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