### At a glance

The ambition of the SEAGLOW consortium is to demonstrate clearly and unequivocally that the use of a combination of appropriate technologies is a game-changer, allowing the cost-efficient reduction of fuel consumption, benefiting fishing communities and the environment, and accelerating the opportunities for positive change.



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#### Sustainable Energy Applications

for Green and Low-impact Operation of small-scale fishing boats in the Baltic and North Sea basin

Funded by

The European Union





# Who we are

SEAGLOW is a consortium of 16 partners from across the European Union, Norway and Thailand. The initiative, funded by the EU and led by North Denmark EU-Office, aims to demonstrate that, when using the right combination of technologies, smallscale fisheries can reduce their dependency on fossil fuels and positively contribute to restoring marine ecosystems while improving fishing communities' well-being.

## What we do

The project SEAGLOW (Sustainable Energy Applications for Green and Low-impact Operation of small-scale fishing boats in the Baltic and North Sea basins) aims to demonstrate the impact and potential of 5 different technological applications to reduce fossil fuel consumption and GHG emissions on small-scale fishing boats in the North and Baltic Sea basins.

The project focuses on the comparison of available technologies through the industrial partners of the project and works towards developing and improving the applied technologies through the data collection from the applied cases with the goal of decreasing the environmental impact of the vessels. SEAGLOW collects sensor data from the case vessels to measure the impact of the applied application over time as well as look into potential combinations of the technologies, which include hybrid electric drivetrains, methanol-powered engines, durable polymer-based surface coatings preventing fouling, reducing drag and improving engine performance, and using low-cost permanent sensors to influence sailing behaviour.

The technologies will be tested in full operational conditions on 4 vessels in Denmark, Estonia, Norway and Sweden.







