



Costs and benefits of Nature-Inclusive Energy (KOBINE)

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Objective

The aim of this project (2021-2024) is to quantify the nature gain (biodiversity) of various nature-inclusive designs (NIDs) in offshore wind farms, in relation to their costs. This helps to determine which NIDs are most cost-effective.

Costs



Methods

We assess benthic and fish biodiversity (eDNA, video, databases) and translate that into values (e.g. CO₂ sequestration, contribution to fish stocks or ecosystem functions). Next we assess the costs (installation, maintenance, upscaling) of three NIDs (artificial reefs, optimized scour protection), and compare these with the benefits.



Benefits

