



Sustainable Blue
Economy Partnership

OCEAN-H2

Offshore Clean Hydrogen Production for Multi-use Purposes

Offshore Hydrogen: secure Europe's clean energy future

The OCEAN-H2 project aims to assess the long-term feasibility of sustainable large-scale green hydrogen production using offshore renewable energy (ORE), with the aim of contributing to the decarbonization of various sectors and the achievement of a clean energy future

Main objectives

Expected Results

Contributing to a clean energy future to meet the growing global demand for clean energy



Assessment and analysis of large-scale, sustainable green hydrogen production using ORE to decarbonize various sectors and contribute to a clean energy future



Increasing public and political support for decarbonization efforts to foster a supportive environment



O1.

Identifying the most effective technical solution for the large-scale production of green hydrogen in the European Union seas

Developing connection models that take into account the specific infrastructures and renewable resources available in each basin, promoting synergy between decentralized production and continental distribution

O2.

Studying the social dimensions and potential conflicts of interest related to the acceptability of the system through stakeholders involvement and building consensus around the proposed solutions

O3.

Analyzing the economic factors that influence the feasibility and competitiveness of offshore green hydrogen production compared to conventional methods

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