



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

01.
Identifying the most effective technical solution for the large-scale production of green hydrogen in the European Union seas

02.
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

03.
Analyzing the economic factors that influence the feasibility and competitiveness of offshore green hydrogen production compared to conventional methods

04.
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

Expected Results

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