




MULTI FRAME

multi-frame.eu

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Assessment Framework
for successful development
of viable ocean
multi-use systems



What is ocean multi-use?

Sustainable and efficient use of ocean space can be achieved through a combination of different **ocean uses both in close proximity, through joint operations, or on the same**

platform. This requires a radical change from the concept of exclusive resource rights to the inclusive sharing of ocean resources by one or more uses. An ocean multi-use (MU) approach can reduce the demand for space and potentially offer significant **socio-economic and environmental benefits**.

MULTI - FRAME Goals

MULTI-FRAME is increasing the **knowledge base and capacity of public and private actors** for ocean multi-use systems, by providing:

- Concrete **open source tools** for assessing the sustainability of ocean multi-use solutions,
- **Assessment results** from case study regions; and
- **Best practice examples** collected world-wide.

Results are expected to inform relevant actors and encourage them to systemically consider the concept in their **marine planning practices** and to streamline it in **relevant ocean policies**.

Project Details

- Approved under **Belmont Forum, Future Earth** and **JPI Oceans** 2018–2019 International Call: Transdisciplinary Research for Ocean Sustainability
- Project Lifetime: 2020–2023



PRODUCTS

Case Studies

Multi-use scenarios **cover a range of uses and marine environments.**

| Case study location | Near-future scenario | Far-future scenario |
|------------------------------------|---------------------------------------|---|
| France (northern Bay of Biscay) | Fisheries/Aquaculture + Tourism | Offshore wind farms + Fisheries/Aquaculture |
| Mozambique | Fisheries+ Tourism + Conservation | Re-use of oil & gas installations |
| Sweden (West Coast) | Offshore wind farms + Tourism | Offshore wind farms + Aquaculture |
| Norway | Aquaculture + Tourism | Aquaculture + decommissioned oil & gas installations |
| United States (Rhode Island) | Offshore wind farms + Tourism | Offshore wind farms + Fisheries |
| Brazil (Santa Catarina State) | Tourism + Fisheries + Conservation | Tourism + Fisheries + Conservation |

Ocean Multi-Use Toolkit

A toolkit will integrate the assessment framework and case study recommendations to:

- provide **tools and methods** for planners, developers and researchers to consider when dealing with multi-use possibilities in increasingly contested and vulnerable marine spaces
- **enable decision making** on optimal combinations of uses, with consideration for equitable distribution of benefits while avoiding, minimizing or mitigating negative impacts.

Assessment Framework

This key product will provide a customizable, modular structure for planners to determine **which location and type of multi-use** has the most potential for environmental, economic and social sustainability. It will be tested and refined through the case study scenarios, in particular through comparative analysis and enabling transfer of lessons learned.

MULTI-FRAME Partnership



Join the Ocean Multi-Use Knowledge Network!

The Network aims to facilitate the international exchange between the ongoing multi-use projects and enhance the communication with the policy and industry community on the topic of ocean multi-use. The discussions facilitated through the Network are expected to advise the research and policy agendas and increase motivation and confidence for the ocean multi-use concept implementation.

Go here to learn more:

<https://www.submariner-network.eu/ocean-multi-use-knowledge-network>

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