



The **ECOSYSM-EOF** project is funded by **ADEME, EDF Renewables, RTE, Engie and Eolfi** which aims to foreshadow an observatory of marine ecosystems in interaction with the floating offshore wind farms of the Gulf of Lion. This 2 years project, coordinated by Pôle Mer Méditerranée, started on March 1st, 2020.

Floating offshore wind farms in the Gulf of Lion:

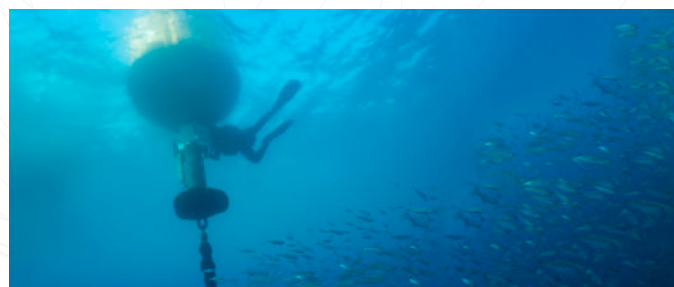
The context of the imminent establishment of FOW pilot and commercial farms, integrating the connection with electricity grid operators, represents an opportunity to build an observatory for marine ecosystems.

High-frequency observation tools:

The ECOSYSM-EOF project consists of designing a methodology and architecture for high-frequency observation tools adaptable to floating offshore wind farms elements (e.g. cable networks, offshore platforms). The observation tools thus identified will make it possible to acquire data and document the state and evolution of marine ecosystems interacting with FOW farms in the Gulf of Lion.

Anticipate the assessment of the potential environmental impact of floating offshore wind farms on the marine environment:

The project aims to test and predict methods to assess the future impacts of floating wind farms on the marine environment. The project contributes to anticipating the assessment of the potential environmental impact of floating offshore wind farms on the marine environment so that the industry can develop under good conditions.



Three sets of complementary actions will be implemented:

- Recommendation on the integration process for the observation networks: analysis of the existing bibliography on FOW/marine ecosystems interactions and inventory of existing observatories;
- Identification of technological barriers and definition of innovative means of measurement for the different elements of ecosystems;
- Observatory specifications for pilot and electricity grid operator (RTE) networks in addition to existing observation networks.

Partners:

This project, coordinated by Pôle Mer Méditerranée, brings together excellent scientific teams in Gulf of Lion marine ecosystems: Ifremer, France Energies Marines, Oceanologic Observatory of Banyuls-sur-mer, GIS3M and Mediterranean Institute of Oceanography of Aix Marseille University. CHORUS and CEFREM laboratories are also associated partners.



Starting from **01/03/2020**, this 2-year project should deliver its **results in 2022** when FOW pilot farms are launched.



A BUDGET OF 540 K€:
ADEME subsidy and private funding.

Steering Committee

ADEME, DIRM Med, DREALs, PREMAR Med, the Sud Provence-Alpes-Côte d'Azur and Occitanie / Pyrénées-Méditerranée Regions, the French Biodiversity Office, the energeticians, RTE, the Parc naturel marin du Golfe du Lion, the representative bodies of fishermen, environmental associations, partners, will give their opinions on the actions carried out in relation to the objectives.

