



APPEAL

ECOSYSTEMIC APPROACH TO THE IMPACT OF FLOATING WIND FARMS

The main objective of the APPEAL project is to implement an approach that brings together natural sciences and human and social sciences to measure the effects of offshore floating wind farms (OFW) on the functioning of coastal socio-ecological systems.

As the project will be conducted upstream from the installation of pilot sites, research will initially focus on defining an environmental, ecological and socioeconomic (use, perceptions and acceptability) baseline status for future OFW installation sites.

A second phase of the project will involve modelling and testing possible evolution scenarios relating to their trophic functioning and biodiversity conservation role, their economic impact on fishing fleets and their interaction with other types of use.

The final objective will be to establish a model of the socio-ecological system to characterise and analyse the interactions between all the players and the environment, while taking account of the legal framework.

Two OFW pilot development sites will be studied as part of the APPEAL project: Groix and Belle-Île in the Atlantic and Leucate in the Mediterranean.

Partners

Companies

P2A Développement, Villeneuve-lès-Maguelone
RTE France
SINAY, Caen
Terra Maris, Plouzané

Research centers

France Energies Marines / Université de Bretagne Occidentale, Brest [[Project Developer](#)]
SHOM, Brest
Université de Bordeaux, Bordeaux
Université de Caen, Caen
Université de Nantes, Nantes
Université du Littoral Côte d'Opale (ULCO) - Laboratoire d'Océanologie et de Géosciences - UMR 8187 (LOG)
Université Pierre et Marie Curie (UPMC)
Observatoire Océanologique de Banyuls (LECOB), Banyuls

Other partner

Comité Régional des pêches maritimes et des élevages marins de Bretagne

Funder

Agence Nationale de la Recherche (France Energies Marines)

Labelisation

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2 105 k€