

# APPEAL

## Socio-ecosystem approach to the impact of offshore floating wind farms

Following the successful call for projects on **floating wind farms** (AAP EoIFlo) launched by ADEME in 2015, **pilote farms** will soon be installed in the **Atlantic (1 site)** and in the **Mediterranean (3 sites)**. The integration of these particular infrastructures (*i.e.* floating offshore wind farms **PEOF**) in the complex and conveted environments that are the coastal marine ecosystems, is a **challenge from the technical, legal, societal and environmental point of view**.

The main objective of the **APPEAL** project is to build a **new approach associating the natural sciences and the human and social sciences**, in order to measure the effects of PEOF on the functioning of coastal socio-ecosystems and to propose decision support tools.



This three-year project will take place in **three stages** with:

- the definition of the **initial environmental, ecological and socio-economic status** (uses, perceptions and acceptability) of the future PEOF implementation sites,
- **modeling the possible evolution** of the sites trophic functioning and their role in biodiversity conservation, the economic impacts on fishing fleets, and the interactions with other uses and
- the **development of a socio-economic model** aiming to characterize and analyze interactions between all actors and the environment, taking into account the legal framework.

Two pilot PEOF development sites will be studied as a priority: **Groix & Belle-Île** (Atlantic) and **Leucate** (Mediterranean).

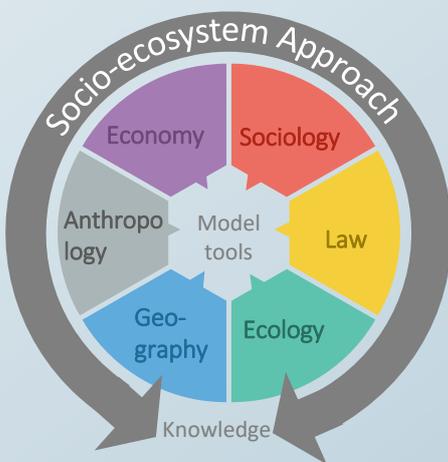
The **APPEAL** project will contribute more widely to identifying and measuring the ecological and socio-economic challenges posed by MRE projects.



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### Objectives:

- Know the effects of PEOF on socio-ecosystems
- Develop digital tools to characterize and measure actors-environment interactions
- Develop tools to help integrate PEOF in their natural and socio-economic environment



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