

The development of floating offshore wind turbines

Legal Issues

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A research program in progress

APPEAL

Socio-ecosystemic approach to the impact of floating wind farms

Duration: 3 years

Project description

- ▶ successful floating wind turbine call for proposals (AAP EolFlo) launched by the ADEME in 2015
- ▶ pilot farms will soon be installed in the Atlantic (1 site) and the Mediterranean (3 sites).
- ▶ a challenge from the technical, legal, societal and environmental points of view.
- ▶ Main objective of the APPEAL project
→ to build a new approach associating natural, human and social sciences in order to measure the effects of FOWF on the functioning of coastal socioecosystems
+ to propose decision support tools.

APPEAL project will contribute to the identification and measurement of the real ecological and socio-economic issues raised by MRE projects.

Objectives

Understand the effects of FOWF on socio-ecosystems

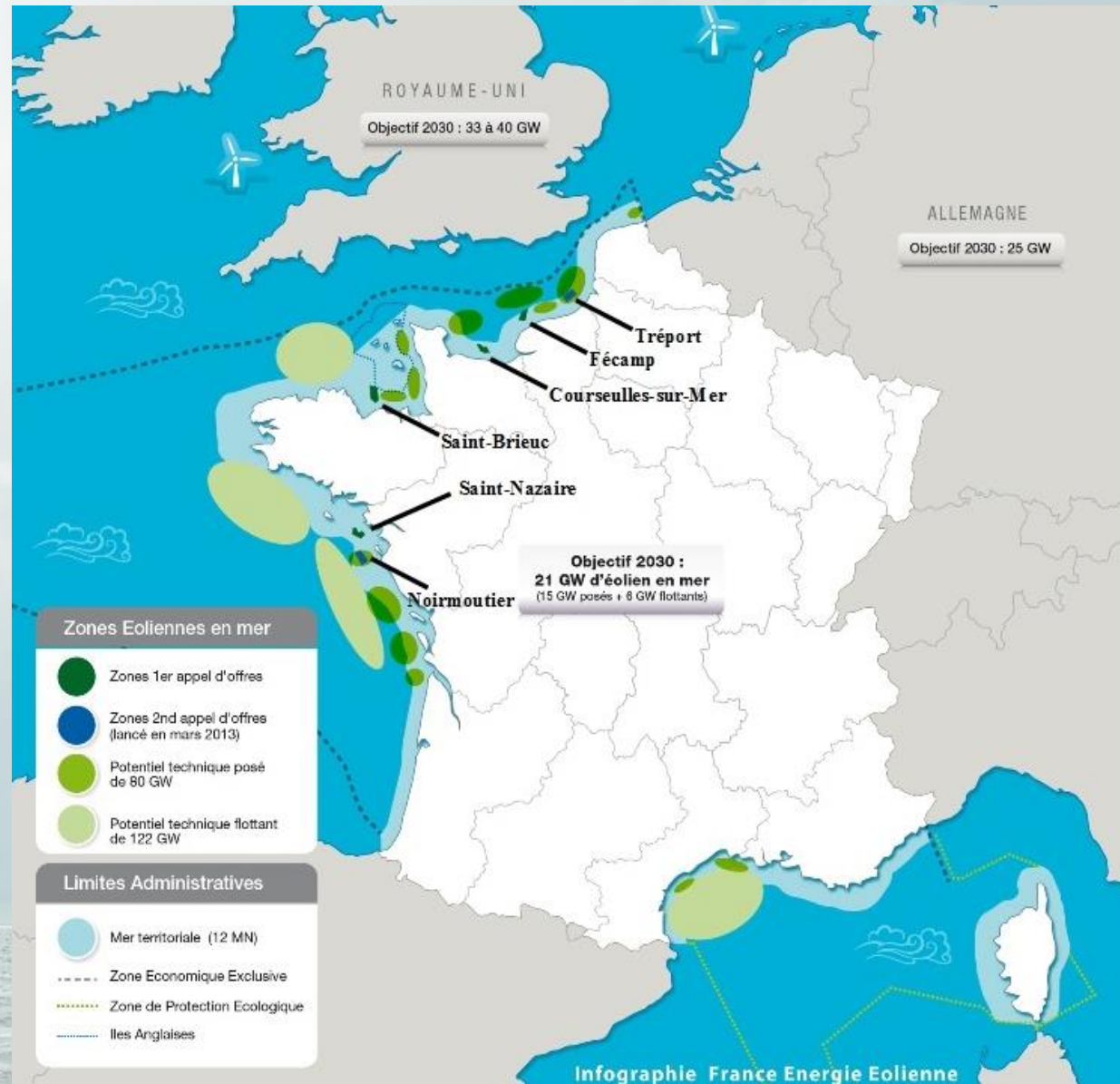
Develop numerical tools in order to characterize and measure stakeholderenvironment interactions

Develop tools for aiding integration of FOWF in their natural and socioecosystemic environments



Suitable areas for fixed and floating offshore wind turbines

- **12 wind farm projects**, 6 of which were awarded following in 2011 and 2013 tenders
- **2 already planned and 4 floating wind farm projects**



The evolution of the French legal framework

► **Not be a point of detail** : Define a special legal framework adapted to the challenges and specificities of OREs

- ✓ **Reconcile** by insuring a participatory governance around OREs' projects
- ✓ **Simplify** the legal framework
- ✓ **Reassure** by improving the legal and financial security of ORE's projects

► **Too many uncertainties** :

- Appeals
- Renegotiation of purchase price



SAME IN THE US

Phases of BOEM's approvals for offshore wind projects.



Planning and Analysis

~2 YEARS

- > Intergovernmental task force
- > Request for information or call for information and nominations
- > Area identification
- > Environmental reviews



Leasing

~1-2 YEARS

- > Publish leasing notices
- > Conduct auctions or negotiate lease terms
- > Issue lease(s)



Site Assessment

UP TO 5 YEARS

- > Site characterization
- > Site assessment plan



Construction and Operations

~2 YEARS (+25)

- > Construction and operations plan
- > Facility design report and fabrication and installation report
- > Decommissioning
- > Environmental and technical reviews

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Offshore Wind Handbook

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Somme of the legal innovations

✓ **New governance tools :**

- Competitive dialogue with applicants
- Public Debate before the tender
- Claims procedure

✓ **Creation of a special litigation**

- A single judge
- Special rules for Ore's litigation

THANKS