

Country Insights and Actions

Spain lab



Policy

Main Insights

Incoherent and slow regulatory framework.

No comprehensive roadmap for Floating Offshore Wind Turbines (FOWT).

Potential Actions

Speed up the definition and implementation of a clear, coordinated regulatory framework for floating offshore wind in Spain.

Implement single-window permitting.



Social Acceptance

Main Insights

Conflicts with fisheries and cultural-heritage concerns.

Need for continuous monitoring and stakeholder engagement.

Potential Actions

Enhance collaboration between offshore wind developers and local fisheries to mitigate socio-economic impacts.

Ensure offshore wind projects respect cultural heritage sites through comprehensive impact assessments and stakeholder consultations.



Environmental Impact

Main Insights

Ecological disruption and limited biodiversity data.

Emphasizes on careful site selection.

Potential Actions

Fund research on biodiversity coexistence.

Best practices from pilot projects.



Finance

Main Insights

Auctions criteria tend to prioritize the economic component (price), risking the minimization of non-economic criteria (e.g., socio-economic impact); uncertain calendar.

Potential Actions

Maximize the weighting of non-price criteria (socio-economic impact, local content, compatibility with other uses) in auction design.

Include a specific remuneration scheme for offshore wind technology demonstration projects.

Delivery in 'phases' of the Contract for difference (CfD) award price, which improves the profitability of the project and allows tangible progress to be demonstrated to consumers.

A clear roadmap is essential for generating financial models in the short, medium and long term. This is not only important for developers, but also for investments associated with the supply chain, for example.



Technology

Main Insights

Underdeveloped supply chain

Potential Actions

Boost the Spanish supply chain by capitalising on the country's capabilities in naval construction and the steel industry to support the deployment of FOWT.

Promote research initiatives and technological innovation to enhance coexistence between marine biodiversity and offshore wind farms.