



GOWEST project

Governing Offshore Wind Efficient and Secure and Turbines

Pierre-Alexandre Mahieu (LEMNA UR 4273), Séverine Misset, Antoine Vion (CENS, UMR 6025), Brice Trouillet (LETG, UMR 6554), Valérie Boré-Eveno (DCS, UMR 6297).
Associate researcher: Caroline Devaux (IODE, UMR 6262).

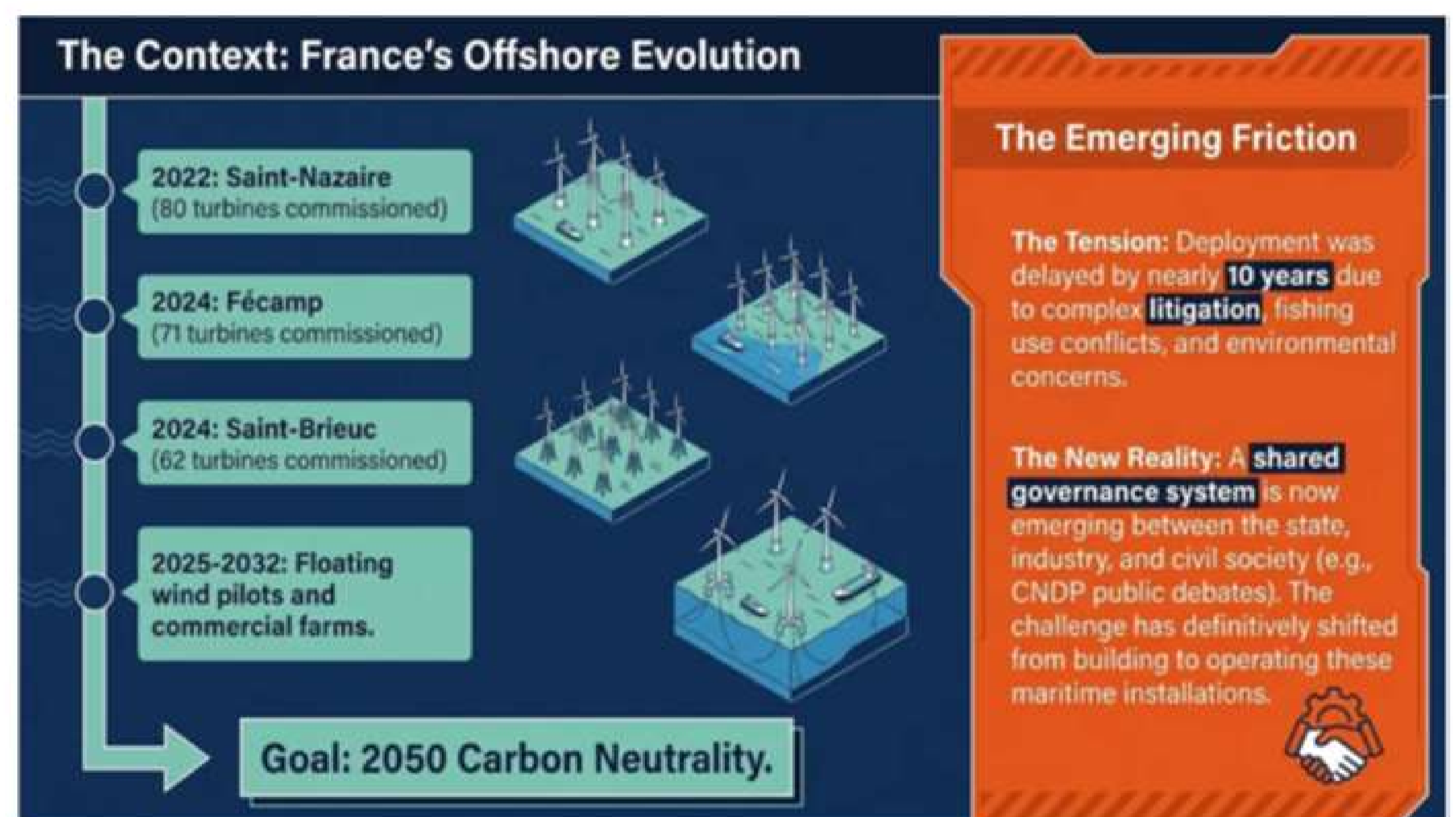
Reason for research

The literature heavily phases wind development into pre-study and construction.
GOWEST pioneers the dynamic, socio-economic and legal analysis of operating wind farms.

Casing

The research design is conceived as a systematic study of discordances of frictions observable from case studies in the French context, primarily St Nazaire and Fécamp, secondarily St Brieuc.

The Research Gap: Shifting the Focus	
Traditional Literature (Design & Construction Phase)	The GOWEST Focus (The Exploitation Phase)
<ul style="list-style-type: none"> Initial social acceptability. Spatial planning and environmental impact studies. Installation engineering and design. 	<ul style="list-style-type: none"> Local economic fallout and tax redistribution. Maritime maintenance labor and evolving state/industry relations. Physical and cyber security of active turbines. Long-term legal frameworks and operational conflict resolution.



The three core scientific objectives

- Objective 1: Understand the System**
Map the mechanisms, actors, and articulations between the 'governed' and 'governing' systems in offshore wind exploitation.
- Objective 2: Study Governance Conflicts**
Analyze security risks, physical vulnerabilities, and the role of knowledge/data in managing maritime friction within the Territorial Sea and EEZ.
- Objective 3: Identify Actionable Levers**
Develop prospective scenarios, evaluation methods, and participatory solutions to adapt the governance framework for future challenges.

Modeling

