

Contributing to scientific knowledge in the context of an industrial project: the Éolien en Mer SIG

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### Plan

- 1. Overview of Dieppe Le Tréport Offshore Wind Farm (OWF)
- 2. Context and objectives of the Éolien en Mer SIG
- 3. Organisation
- 4. Partners
- 5. Activities









### **DIEPPE LE TRÉPORT OWF**



### **Context and objectives**

- Idea of setting a Scientific Interest Group (SIG) appeared during the public debate of Dieppe Le Tréport OWF in 2015
- Commitment measure included in the prefectoral authorisations of construction in 2019
- Launch of the Éolien en Mer SIG in February 2020
- 0 8 M€ budget over the lifetime of the Dieppe Le Tréport OWF

### **Context and objectives**

• Three main objectives:

- Accompany the windfarm environmental monitoring by issuing reviews on protocols and reports
- Improving knowledge of the eastern Channel through its own environmental and socio-economic studies
- Dissemination of all results to the general public and the scientific community

#### **Organisation** Plenary sessions Steering Scientific Committee Council Decides on scientific Decides on the Coordinator orientations operations to be Guarantees the carried out relevance and quality of Decides on the Participates in project

- corresponding budget
- Decides on • organisational changes
- Chairwoman and Vice-Chairman

- development
- Key point of contact
- Shares data and results
- Literature review and participation in conference and other events

- scientific work
- Advisory body
- Chairman and Vice-Chairman

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### 26 partners

6 *universities* : Caen, La Rochelle, Lille, Littoral Côte d'Opale, Picardie Jules Verne et Rouen

5 public bodies : Cerema, Dieppe Maritime, Ifremer, OFB et PNM EPMO

*11 associations* : CHENE, CRPMEM de Normandie, Estran, FNE Normandie, GEMEL, GON, GONm, GMN, GRAPE, Picardie Nature et SER

*4 private companies*: ADERA, Créocéan, FEM et EMDT



#### Partners of the Éolien en Mer SIG

#### Universities

- Université de Lille
- 2 Université du Littoral
- Côte d'Opale 3 Université de Picardie Jules Verne
- 4 Université de Rouen Normandie
- 5 Université de Caen Normandie
- 6 La Rochelle Université

#### **Public institutions**

- 7 Office Français de la Biodiversité (OFB)
- 8 Institut Français de Recherche pour l'Exploitation de la Mer (IFREMER)
- 9 Centre d'Études et d'expertise sur les Risques, l'Environnement, la Mobilité et l'Aménagement (CEREMA)
- 10 Communauté d'agglomérations Dieppe Maritime
- 11 Parc Naturel Marin des Estuaires Picards et de la Mer d'Opale (PNM EPMO)

#### Associations

12 Centre d'Hébergement et d'Étude sur la Nature et l'Environnement (CHENE)

- 13 Comité Régional des Pêches Maritimes et des Élevages Marins (CRPMEM) de Normandie
- 14 ESTRAN
- 15 FranceNature Environnement Normandie (FNE)
- 16 Groupe d'Étude des Milieux Estuariens et Littoraux (GEMEL)
- 17 Groupe Ornithologique et Naturaliste du Nord-Pas-de-Calais (GON)
- 18 Groupe Ornithologique Normand (GONm)
- 19 Groupement Mammalogique Normand (GMN)
- 20 Groupement Régional des Associations de Protection de
- l'Environnement (GRAPE) 21 Picardie Nature
- 22 Syndicat des Énergies Renouvelables (SER)

#### **Private companies**

- 23 Associationpour le Développement de l'Enseignement et des Recherches auprès des universités, des centres de recherche et des entreprises d'Aquitaine (ADERA)
- 24 Créocéan
- 25 Éoliennes en Mer Dieppe Le Tréport
- 26 France Énergies Marines (FEM)



### Review of environmental impact assessment of Dieppe Le Tréport OWF

- 2020 : Protocols of the environmental baseline before construction
- 2023 : Reports of the environmental baseline before construction and specific construction measures



### **Process for selecting studies**

- 1. Subject identify or submitted to the Scientific Council
- 2. Workshops with national experts to define key objectives, innovative aspects, avoid redundancy with other projects and determine meaningful scale
- 3. Launch of calls for tender or targeted set-up of the study is done if only few people work on the subject
- 4. Approval by the Scientific Council and the Steering Committee

### **Ongoing studies**



Local	Regional/National
Monitoring breeding gulls on the Caux cliffs: census and ringing (8 years)	
	Partnership in the OWFSOMM project (France Energies Marines, 2021-2023)
Identification of plankton using environmental DNA analysis (May 2022 - September 2023)	
Monitoring of seal diet: use of metabarcoding DNA to complement the analysis of hard parts found in faeces (August 2021 - May 2023)	
Study of food webs: biomass, flows and seasonal variations (March 2022 - March 2024) + Study of relationships between pelagic prey and top predators (September 2023 - September 2024)	Integration into the NESTORE project (France Energies Marines, 2023-2026)
Study of bat transits at sea: acoustic monitoring onshore and at sea (May 2023 - October 2023)	



### Upcoming studies (awaiting final approval)



Local	Regional/National
	Integration of acoustic surveys of bats in the Migratlane project (2023-2027)
	Reducing fisheries (Red-Fish): Replacing OWF' development in the context of fishing grounds' contraction (past, present and future) (2024- 2025)
	Partnership in MMERMAID study (France Energies Marines, 2023-2027)
Extension of studies during construction phase : Breeding gulls	

- Seal diet using metabarcoding DNA
- Plankton identification using enironmenatal
- DNA
- Food webs (PhD thesis)



### Communication

- Website:
  - www.gis-eolienenmer.fr
- LinkedIn page:
  - https://www.linkedin.com/ showcase/gis-eolien-en-mer/
- Presentation of results and activities at conferences and other events



## **Benefits of the Éolien en Mer SIG**

- o Innovative way for public and private cooperation
- Exchanges of information on different projects
- Improve knowledge on the impact of offshore wind farms at local, regional and national scales



# Thank you for your attention !

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