MINISTÈRE DE LA TRANSITION ÉCOLOGIQUE ET DE LA COHÉSION DES TERRITOIRES Liberti Égatité Évacemité



# Séminaire du plan national d'actions

### en faveur du Puffin des Baléares

24 au 26 juin 2024

MINISTÈRE DE LA TRANSITION ÉCOLOGIQUE ET DE LA COHÉSION DES TERRITOIRES Librit Eguitie Futurité Futurité





## Spatial and temporal distribution of the Balearic shearwater in the south of the Bay of Biscay

Séminaire du plan national d'actions en faveur du Puffin des Baléares



ERMMA

- 1/ ERMMA protocol (Marine Environment and Resources of Aquitania)
- Standardized monitoring based on random line transect since 1976 (> 200 000 data)
- Monthly campaign on coast-guard vessels

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DES TERRITOIRES

- > 70 species seabird and cetaceans observed
- Data useful to design and manage **Marine Protected Area** of French Atlantic coast
- **Pluridisciplinary** researches on marine biodiversity evolution (oceano-climatic changes, oil spill impacts, anthropogenic activities...)











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#### Adaptations for the NAP



Diffusion of Balearic shearwater observations to the OFB













#### At-sea monitoring of the Balearic shearwater in the south of the Bay of Biscay

#### Phenology

- 3 years of dedicated monitoring (2021-2023) with available annual reports
- 15 dedicated campaign (18 at-sea days ~ 164h)
- Data from dedicated protocol AND others compatible programmes



Part (%) of Balearic shearwater count per month from 2021 to 2023

- Peak density in autumn (October/November)
- Inter-annual variability
- · Presence of the species all the year => non-breeding birds in winter











Data included dedicated campaigns and others campaigns compatibles





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## At-sea monitoring of the Balearic shearwater in the south of the Bay of Biscay

#### Conclusions

- South of the bay of Biscay is an important area for Balearic shearwater
- Peak density in autumn (october/november) but birds are observed all along the year
- Inter-annual and intra-annual variability
- Need to carry on at-sea monitoring to better understand the use of the area
- Investigate prey availability and oceano-climatic impacts
- Plurispecific rafts with others shearwaters









#### Based on:



#### **Dedicated monitoring**







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