

MSFD and underwater noise: where we are (= first steps) and future perspectives

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REPÚBLICA
PORTUGUESA

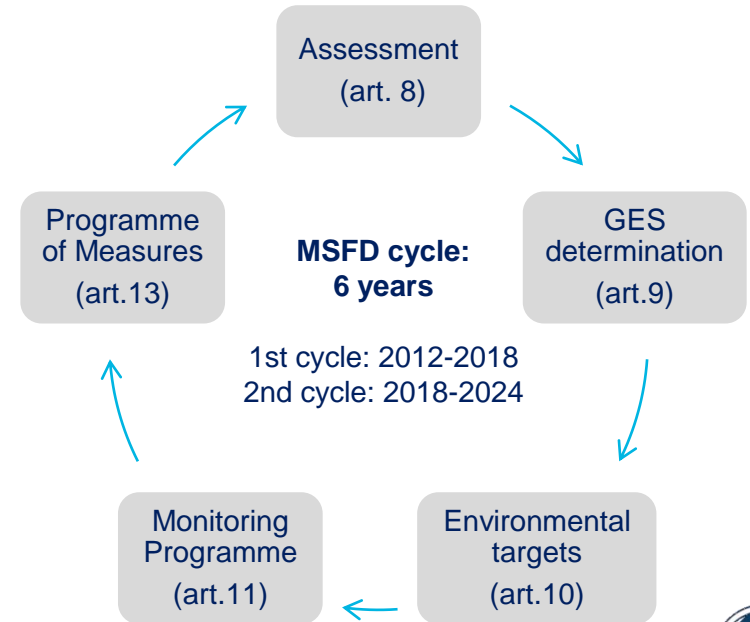
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MSFD and Underwater noise

➔ MSFD: to achieve or maintain the Good Environmental Status (by 2020) ✨



➔ Member States develop marine strategies

<https://www.dgrm.mm.gov.pt/pt/web/guest/as-pem-diretiva-quadro-estrategia-marinha>



MSFD and Underwater noise

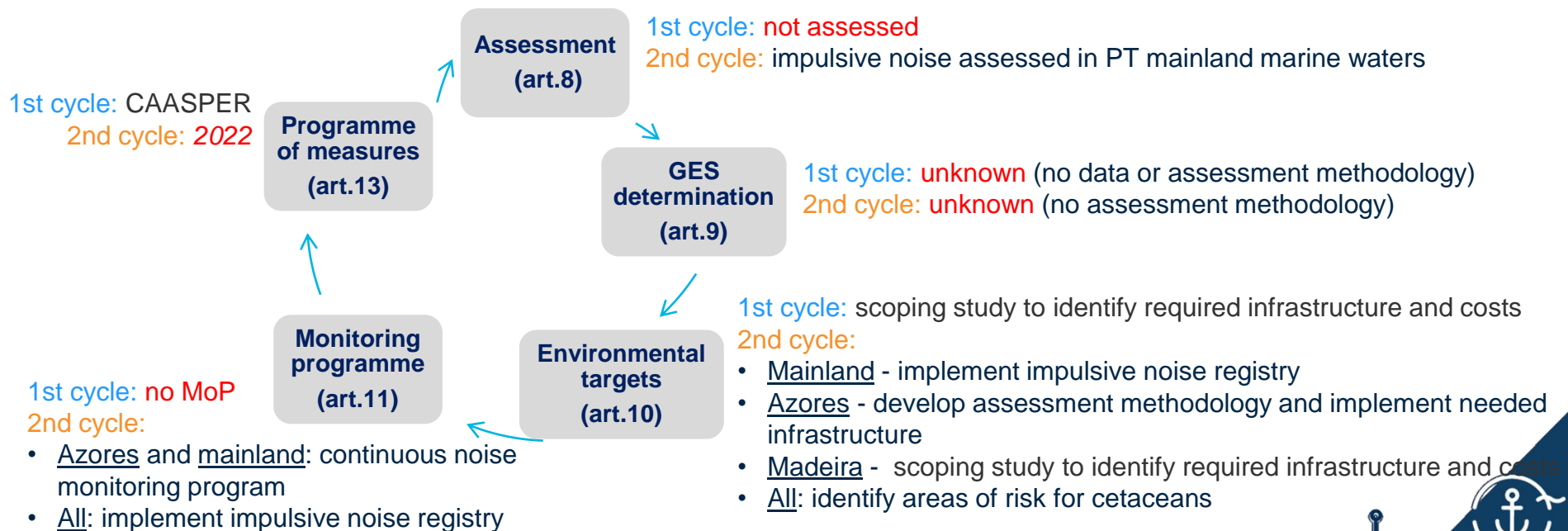
➔ GES Decision (GES assessment and determination)

D11 Criteria	
D11C1	The spatial distribution, temporal extent, and levels of anthropogenic impulsive sound sources do not exceed levels that adversely affect populations of marine animals. Member States shall establish threshold values for these levels through cooperation at Union level, taking into account regional or sub-regional specificities.
D11C2	The spatial distribution, temporal extent and levels of anthropogenic continuous low-frequency sound do not exceed levels that adversely affect populations of marine animals. Member States shall establish threshold values for these levels through cooperation at Union level, taking into account regional or sub-regional specificities.



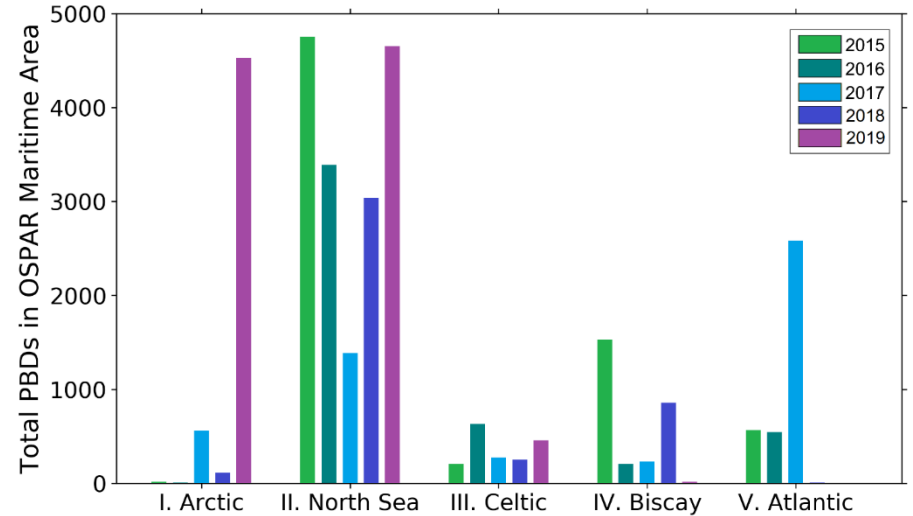
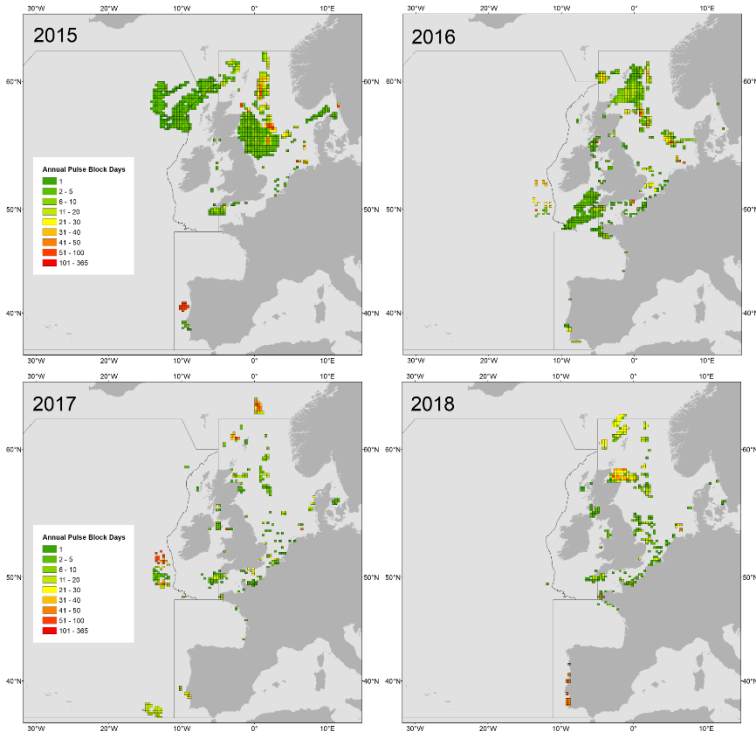
PT Marine Strategies

➔ Addressing underwater noise



MSFD and OSPAR

➔ PT data (2012-2020) uploaded in ICES database for QSR 2023 purposes



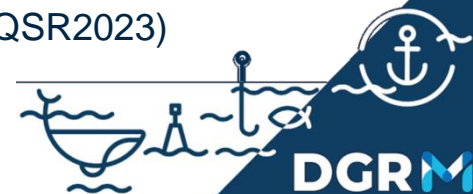
MSFD and Underwater noise

➡️🧐 TG NOISE work programme 2020-2022

- **Deliverable 1:** interim assessment framework for TV for impulsive sound: **complete**
- **Deliverable 2:** thresholds for impulsive sound proposal
- **Deliverable 3:** assessment framework for TV for continuous noise: **complete**
- **Deliverable 4:** thresholds for continuous anthropogenic noise proposal

↙️🧐 OSPAR ICG NOISE:

- **Common indicator for region I to V:** impulsive noise **pressure**
- **Common indicator for region II:** impulsive noise **risk of impact:**
- **Candidate indicator:** ambient noise (pilot assessment for region II @QSR2023)



MSFD and Underwater noise

➔ 🧐 GT Ruído” (PT)

- 1 meeting 23/04/21: continuous noise indicators
- 2 meeting 12/05/21: adverse effects
- 3 meeting 17/06/21: monitoring D11C2 in Portugal
- 4th meeting: ?

- DGRM: Joana Otero e Elisabete Dias
- DRAM: Rita AO. Carriço
- IMAR: Mónica Silva
- Universidade do Algarve: Sérgio Jesus
- Universidade dos Açores: Miriam Romagosa
- ISPA: Manuel Eduardo dos Santos
- Instituto D. Luiz: Andreia Pereira
- FCUL: Luís Matias, M^a Clara Amorim, Paulo J. Fonseca, Manuel Vieira e Carlos Corela
- Museu da Baleira: Luís Freitas
- MarSensing: Cristiano Soares
- WaveC: Erica cruz





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Questions?

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