

#### WORKSHOP

#### Potential impact of seismic activities on fish stocks

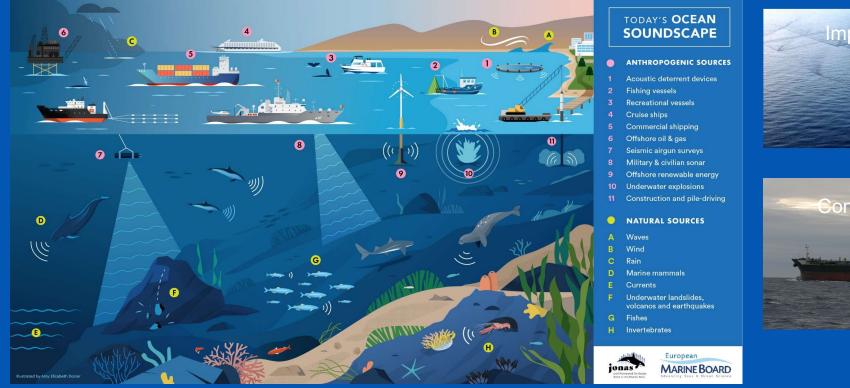
#### Scene setter : The EU FRAMEWORK ON UNDERWATER NOISE

#### Online Meeting, 10 May 2022



Maud Casier European Commission DG Environment Marine and Water Industry Unit (C2)

## What is underwater noise ?









## What is done at EU level to reduce underwater noise ?

- Birds and habitats directive : to ensure protection of species and avoid their disturbance.
- Strategic environmental and environmental impact assessment directives (SEA/EIA) : to ensure protection of the environment and integration of environmental consideration.
- Marine strategy framework directive (MSFD) : to achieve good environmental status of marine waters.



## MSFD descriptor 11

Six-year review of the different elements of the strategy 2018 – 2021

Implementation of the Marine Strategy 2016

> Programmes of measures 2015

Initial assessment,

objectives, targets

and indicators

2012 (+ 6 years)

Monitoring

programmes

2014

- 1 Biological diversity
- 2 Non-indigenous species
- 3 Commercial fish and shellfish
- 4 Food-webs
- 5 Eutrophication
- 6 Sea-floor integrity
- 7 Hydrography
- 8 Contaminants
- 9 Contaminants in seafood
- 10 Marine litter
- 11 Energy, including underwater noise





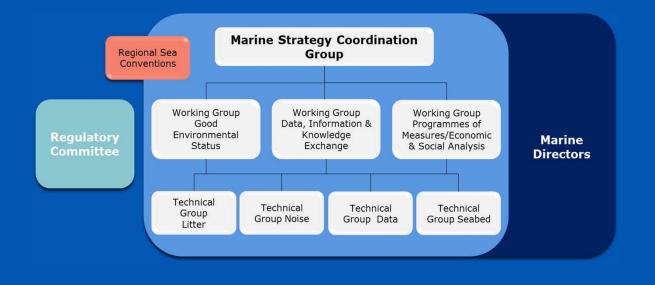
### Commission decision 2017/848

- New criteria, specifications and standardised methods for underwater noise monitoring and assessment, to assess the extent to which good environmental status is being achieved for impulsive and continuous noise.
- D11 criteria 1 and 2 : the spatial distribution, temporal extent, and levels of anthropogenic impulsive and continuous low-frequency sound sources do not exceed levels that adversely affect populations of marine animals.
- Cooperation at EU level to define EU threshold values for these levels.



#### Technical Group on Underwater Noise Towards a coordinated implementation of D11

- Expert group of the common implementation strategy (CIS) for MSFD descriptor 11
- □ SVE, FR, IT chairmanship since January 2020.





### Action on underwater noise at regional level

- Regional cooperation is essential to ensure coherence in MSFD implementation.
- Intensive work in regional seas conventions on underwater noise for assessment, joint monitoring, inventory of noise sources, regional action plans in HELCOM and OSPAR.
- Regional projects under EMFF for the implementation of MSFD D11 : QUIETMED, QUIETMED II, QUIETSEAS, HARMONIZE, HELCOM BLUES, Cenobs.



# Zero Pollution Action Plan for air, soil and water





Key actions to reduce marine pollution

Review the MSFD by 2023, taking into account the state of implementation of EU laws addressing key pollution sources and the need to reduce plastic and other litter, underwater noise and contaminants

The Commission will work with Member States on EU threshold values for maximum levels of underwater noise stemming from maritime transport, construction, dredging and other offshore, to be set by 2022

European

## Thank you



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## **TG Noise priorities**

- □ Support MS and RSC in implementing operational monitoring.
- Ensure regional coherence and complementarity through active coordination.
- Define EU threshold values for underwater noise :
- ✓ Common methodologies and recommendations adopted in 2021.
- ✓ Ongoing work to define options for EU threshold values by 2022 (= objective of the Zero Pollution action plan under the European Green Deal).
- ✓ Cooperation with regional seas conventions.



#### State of the marine environment in Europe Art 20 report on MSFD implementation





#### State of the marine environment in Europe Underwater noise pollution

- □ Maritime traffic is the main source of continuous underwater noise.
- □ Only 9% of EU's sea area has no shipping traffic.
- Impulsive underwater noise is spatially restricted (likely occurs in 8 % of EU's sea area) but still likely present in large areas of the EU.
- □ The trend in pressure from underwater noise will very likely increase.





□ MSFD assessments and reports :

Reports - Implementation of EU Marine Policy - European Commission (europa.eu)

EUR-Lex - 52020DC0259 - EN - EUR-Lex (europa.eu)

□ HELCOM regional action plan on underwater noise :

Att.-HELCOM-Recommendation-42-43-1.pdf

□ European Marine Board policy brief on underwater noise :

Addressing underwater noise in Europe: Current state of knowledge and future priorities | European Marine Board