

Assisting (sub) regional cooperation for the practical implementation of the MSFD second cycle by providing methods and tools for D11 (underwater noise)

Project overview

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13TH MEETING OF THE IENWG (IENWG-13) 23th May 2023



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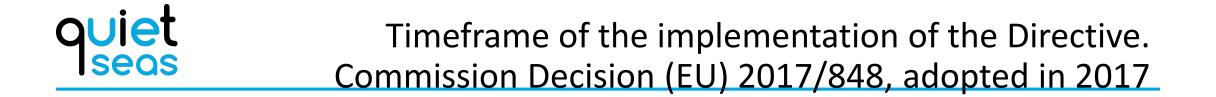
Marine Strategy Framework Directive (Directive 2008/56/EC)

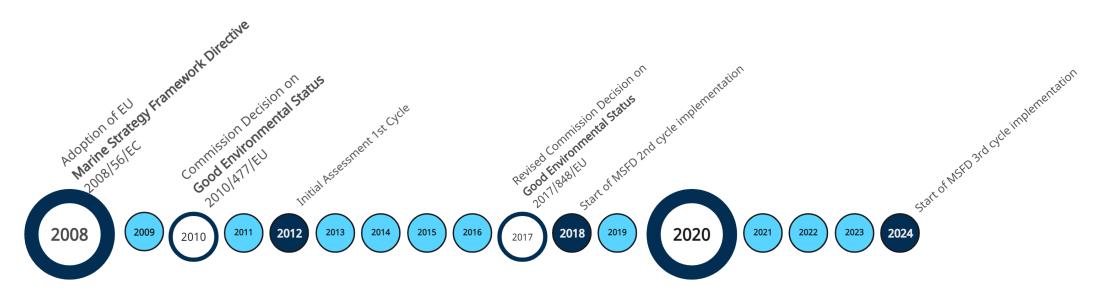
- The EU aims to effectively protect and conserve the health of our oceans and coasts through the Marine Strategy Framework Directive (MSFD). The aim is to achieve a good environmental status of the EU's marine waters and sustainably protect the resource base upon which marinerelated economic and social activities depend.
- In 2008, the EU adopted the Marine Strategy Framework Directive (MSFD) to maintain healthy, productive and resilient marine ecosystems while securing a more sustainable use of marine resources.
- The Directive requires Member States to develop national marine strategies in order to achieve, or maintain where it exists, 'good environmental status'. Such status should have been achieved by 2020. The marine strategies comprise regular assessments of the marine environment, setting objectives and targets, establishing monitoring programmes and putting in place measures to improve the state of marine waters. All these actions must be done in close coordination with neighbouring countries at regional sea level.

MSFD GES – Annex I Descriptors

No.	Торіс
1	Biological diversity
2	Non-indigenous species
3	Commercial fish & shellfish
4	Food-webs
5	Eutrophication
6	Sea-floor integrity
7	Hydrography
8	Contaminants
9	Contaminants in seafood
10	Litter
11	Energy, incl. underwater noise

(https://environment.ec.europa.eu/topics/marine-and-coastal-environment_en)





MSFD reporting cycles





- Coordinator: Marine Technology Centre-CTN (Spain)
- Implementation period: 28 months (01/02/2021 31/05/2023)
- Funded by DG Environment-European Commission to support the MSFD implementation

○ Estimated Project Cost: € 994.967,49

○ Requested EU Contribution: € 795.973,99





Background

Supporting MSFD implementation for D11-underwater noise



Guidelines and tools for D11 monitoring at MED level.

(2017-2019)



From pressure to impact for D11C1 at MED level.

(2019-2021)



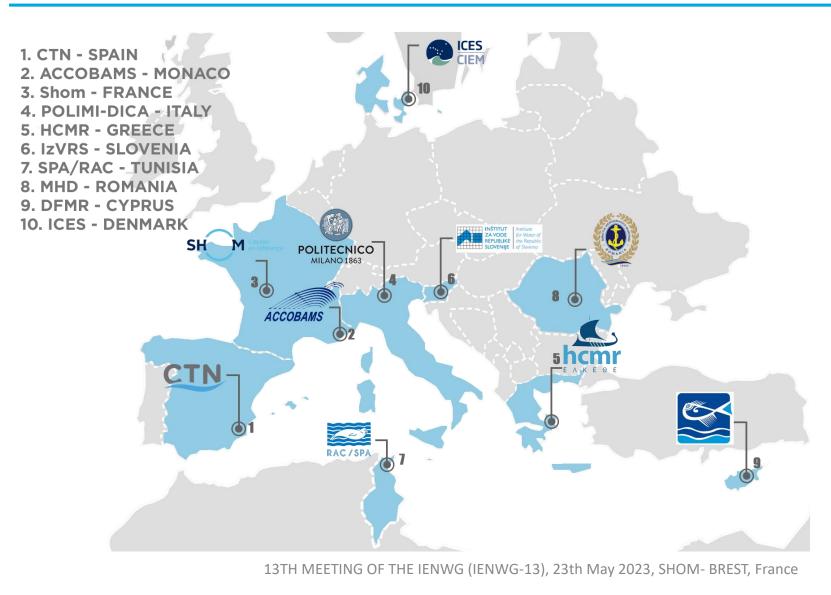
From pressure to impact for D11C2. Specificities for MED and Black Sea. Integrated management for D11-GES assessment.



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The Team

- Mediterranean Sea
- Black Sea
- Link with Regional Sea Conventions
- Competent Authorities
- Collaboration with no EU Countries



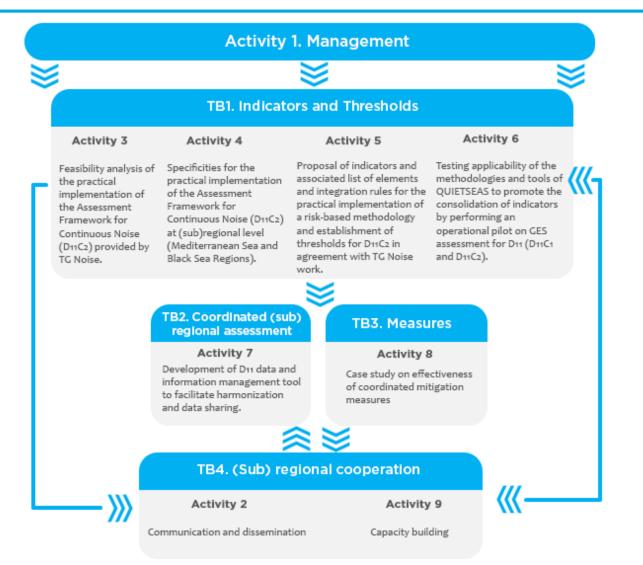


General Objective:

Support the practical development of the second implementation cycle under the MSFD for Descriptor 11-underwater noise (D11C1 and D11C2)				
SPECIFIC OBJECTIVES	THEMATIC BLOCKS			
S01: Identify relevant indicators for criterion D11C2 (Anthropogenic continuous low-frequency sound in water).				
S02: Promote the consolidation and support the operationalisation of indicators for D11 in close coordination with of TG Noise .	TB1.Indicators and thresholds			
S03: Promote harmonisation of regional work on threshold values with TG Noise recommendations.				
S04: Develop effective and efficient mechanisms for GES assessment and regional coordination by providing management tools for harmonization , reporting and assessment of D11.	TB2.Coordinated (sub) regional assessment			
S05: Demonstrate the potential effectiveness of coordinated mitigation measures to reduce shipping noise.	TB3. Measures			
S06: Promote (sub)regional cooperation to ensure i) coordination across the region/ subregions ii) the involvement of Competent Authorities iii) long-term dissemination of the results .	TB4. (Sub) regional cooperation			



Implementation



13TH MEETING OF THE IENWG (IENWG-13), 23th May 2023, SHOM- BREST, France

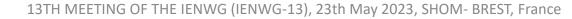


- Definition of particularities for risk-based GES assessment in the Mediterranean Sea (MED) and Black Sea (BS) regions.
- Recommendations on acoustic propagation modelling for continuous sound assessment in MED and BS regions.
- Data gathering (D11C1, D11C2 and D1).
- Proposal of a methodology to establish thresholds values for D11C2 in the MED and BS regions in agreement with TG Noise work.

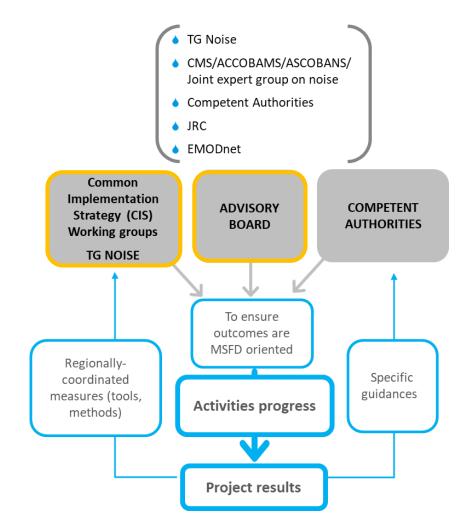




- Initial GES assessment of D11 underwater noise (D11C1 and D11C2) in the MED and BS regions.
- Management tools for harmonization, reporting and assessment of D11 (D11C1 and D11C2).
- Quantification of the effect of potential mitigation measures to reduce shipping noise: vessel speed slowdown and traffic reduction.
- Training session for Competent Authorities and experts from EU and no EU countries.
- Networking activities (other projects and initiatives).



Coordination with TG Noise

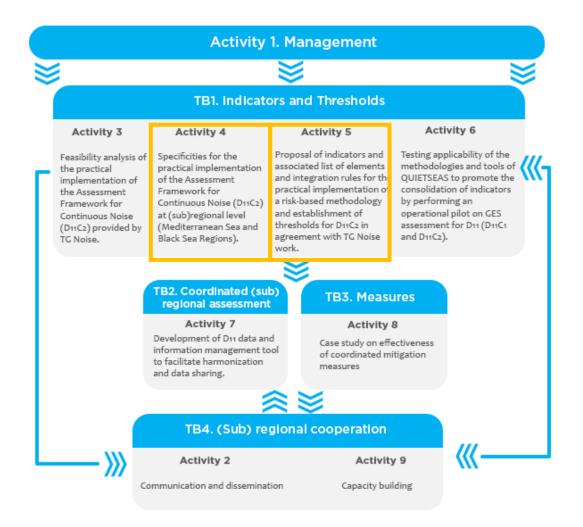


• TG Noise

- $\,\circ\,$ Sharing draft deliverables at early stages.
- $\,\circ\,$ Attending TG Noise meetings.
- $\circ~$ Workshop with JNWG, Monaco

Advisory Board

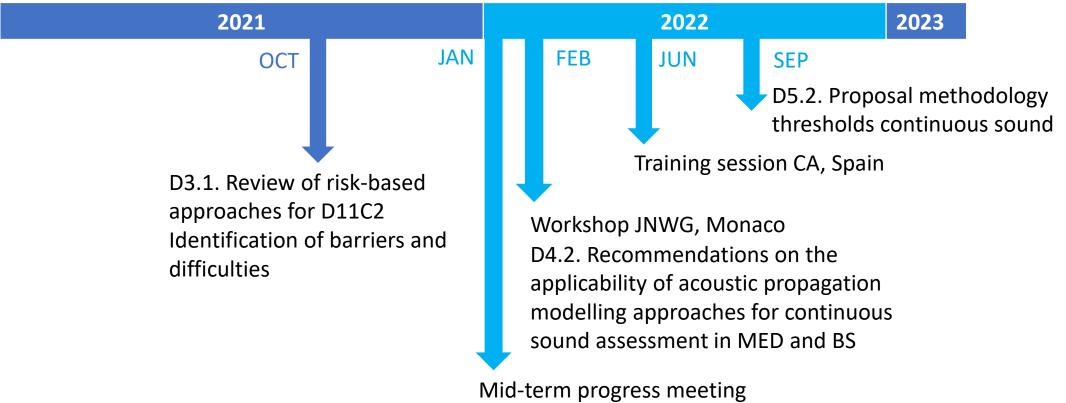
- $\,\circ\,$ Sharing draft deliverables at early stages.
- Mid-term progress meeting, Online
- Training session with Competent Authorities, Spain



Coordination with TG Noise

- D4.1. Definition of regional specificities of a risk-based approach for continuous sound assessment in the Mediterranean Sea and Black Sea regions.
- D4.2. Recommendations on the applicability of acoustic modelling approaches for continuous sound assessment in the Mediterranean Sea and Black Sea regions.
- D5.2. Proposal of a methodology to establish thresholds values for D11C2 in the Mediterranean and Black Sea regions.

Coordination with TG Noise



D4.1.Definition of regional specificities of a risk based approach for continuous sound assessment





Progress achieved during the reporting period. Work completed



Milestones progress





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QUIETSEAS Project deliverables resume.

Code	Deliverable name	Dissemination level	Delivery month	Status
D1.1	Inception report	CO	M1	Submitted
D1.2	Progress report	CO	M14	Submitted
D1.3	Final report	CO	M28	Submitted
D1.4	Presentation of the main results	CO	M28	Submitted
D2.1	Communication and dissemination plan	PU	M3	Submitted
D2.2	Final report on Communication and dissemination activities	PU	M28	Submitted
D3.1	Review of risk-based approaches and frameworks for D11C2	PU	M10	Submitted
D4.1	Definition of regional specificities of a risk-based approach for continuous sound assessment in the Mediterranean Sea and Black Sea regions	PU	M16	Submitted
D4.2	Recommendations on the applicability of acoustic modelling approaches for continuous sound assessment in the Mediterranean Sea and Black Sea regions	PU	M16	Submitted
D5.1	National barriers and difficulties for the implementation of the TG Noise methodological framework for D11C2	PU	M22	Submitted
D5.2	Proposal of a methodology to establish thresholds values for D11C2 in the Mediterranean and Black Sea regions	PU	M28	Submitted
D6.1	Initial GES assessment of D11 underwater noise in the Mediterranean Sea and Black Sea regions	PU	M28	Submitted
D6.2	Data package	PU	M25	Submitted
D7.1	Data management tool for harmonisation and noise data sharing	PU	M27	Submitted
D8.1	Best practices of sub regional cooperation to set mitigation measures to address underwater noise pollution	PU	M23	Submitted
D9.1	Guidelines for Competent Authorities on a reporting method for continuous noise appropriate for the GES assessment and the establishment of thresholds	PU	M28	Submitted

Thanks for your attention!



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