



National Administration “Romanian Waters”

Implementation of the Marine Strategy Framework Directive in Romania - Development of Programme of Measures

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**ECRAN Regional Training on MARINE STRATEGY
FRAMEWORK DIRECTIVE (MSFD)**

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Content

- ☐ Legislative context – MSFD & Remarks
- ☐ RO General data; Coastal and transitional water bodies;
- ☐ POM – RO approach
- ☐ Program of measures in relation with coastal and transitional water bodies;
- ☐ Program of measures in DRBD – international level
- ☐ Marine Waters POM – RO approach – Common project RO – BG
- ☐ Q @ A

□ Legislative context - MSFD & Remarks

Art 13.1

MS to identify measures to reach or maintain GES – on the basis of IA, with reference to env. targets and “taking into consideration the types of measures listed in Annex VI”.

- Article guides the structure of the PoM: identify measures for each of the 11 Descriptors, responding to predominant Ps&Is and with direct link to the established targets.
- Measures may address several descriptors/targets/ pressures.
- Classification with indicative typology would be helpful (esp. at regional level), but the one of Annex VI is only a starting point to be considered;

□ Legislative context - MSFD & Remarks

Art 13.3

*When drawing up PoMs, MS “shall give due consideration” to sustainable development and in particular to the **social & economic impacts of the measures**. MS to ensure that measures are **cost-effective and technically feasible**, carry out IA, including CBA, prior to the introduction of any new measure.*

→ crucial requirement of the MSFD, where a common understanding / exchange of best practices is needed to better perform CEA and CBA

→ need to discuss how to carry out such assessment and at which level

□ Legislative context - MSFD & Remarks

Art. 13.7

MSs to indicate in their PoMs how measures are to be implemented and how they will contribute to achieving the env. Targets

→ Need to link to reporting discussion

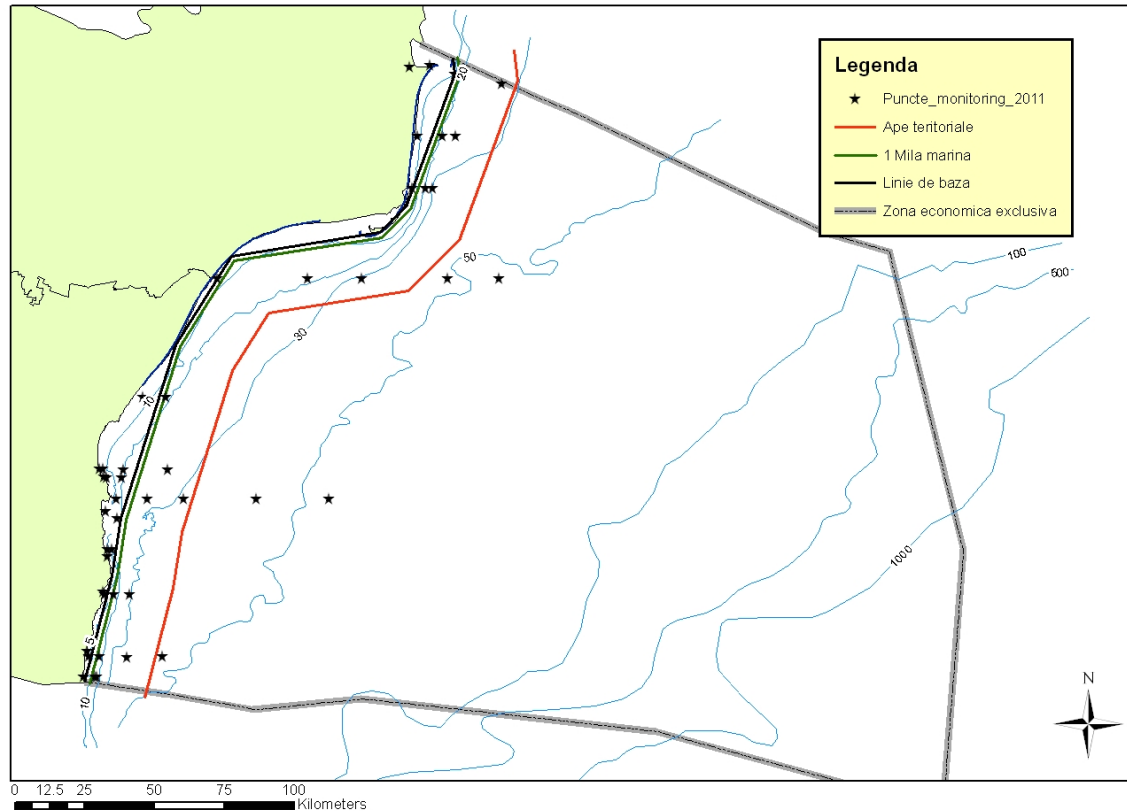
❑ RO General data; Coastal and transitional water bodies;



- The RO Black Sea Side length is 244 km (between Brațul Musura and Vama Veche), which represents 6% from total Black Sea shore
- 128 km of marine transitional waters
- 116 km of coastal water

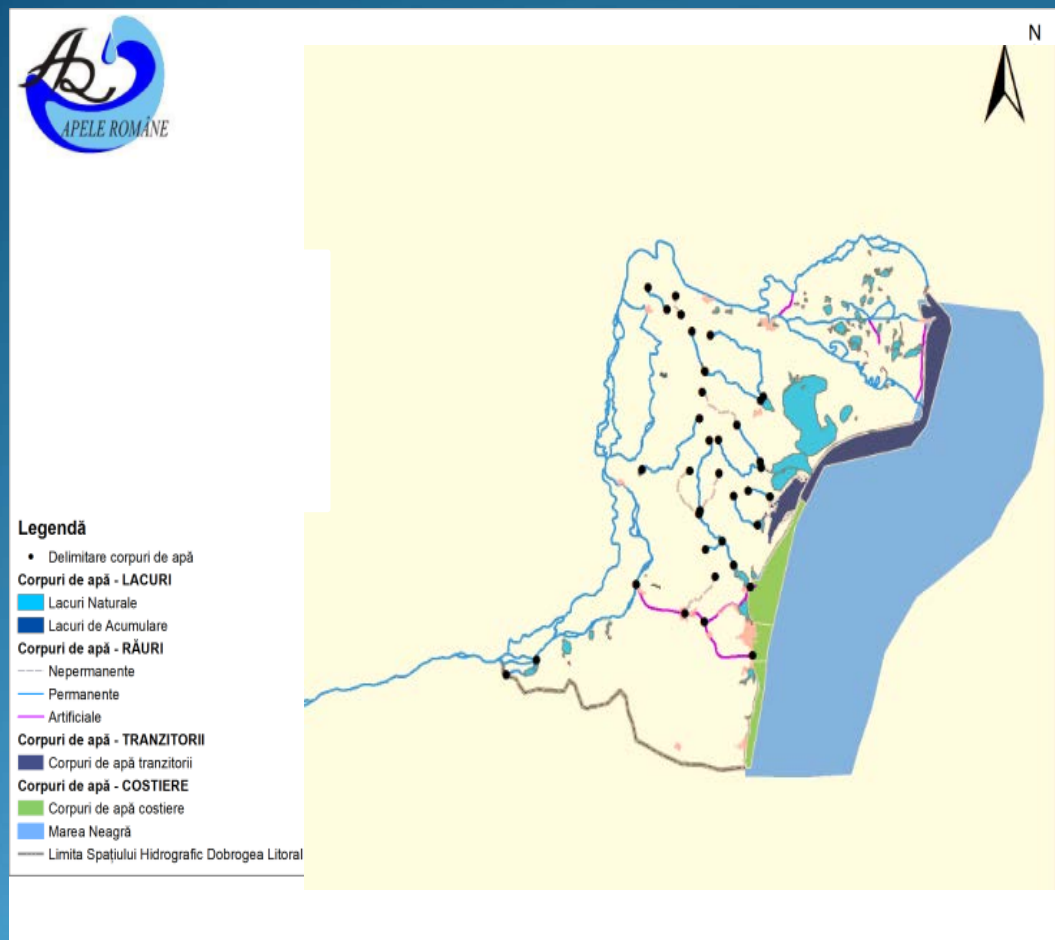
□ General informations

RO marine monitoring sites



40 monitoring sites
(bathymetry
between 0 și 60 m

□ Coastal and transitional water bodies



• 4 Coastal WBs

- Periboina-Cap Singol (ROCT01_B1)
- Mangalia (ROCT01_B2)
- Cap Singol-Eforie Nord (ROCT02_B1)
- Eforie Nord-Vama Veche (ROCT02_B2)

• 2 Transitional WBs

- Chilia-Periboina (marine) ROTT03_B1
- Sinoe Lack (lacustrine) ROTT02_B1

□ POM – RO approach



Initial Assessment -> Indicators and targets -> measures (Art 13.1) → GES .

- ❖ PoM shall be built on the linkages between P&Is on marine environment & the uses made of it and the measures to maintain or achieve the GES
- ❖ MSFD-"**measure**": may be considered as any action which will be taken on the ground to help achieve MSFD objectives;
- ❖ 3 categories of measures may be identified
 - Measures under existing legislation
 - Measures foreseen by MSFD
 - New measures

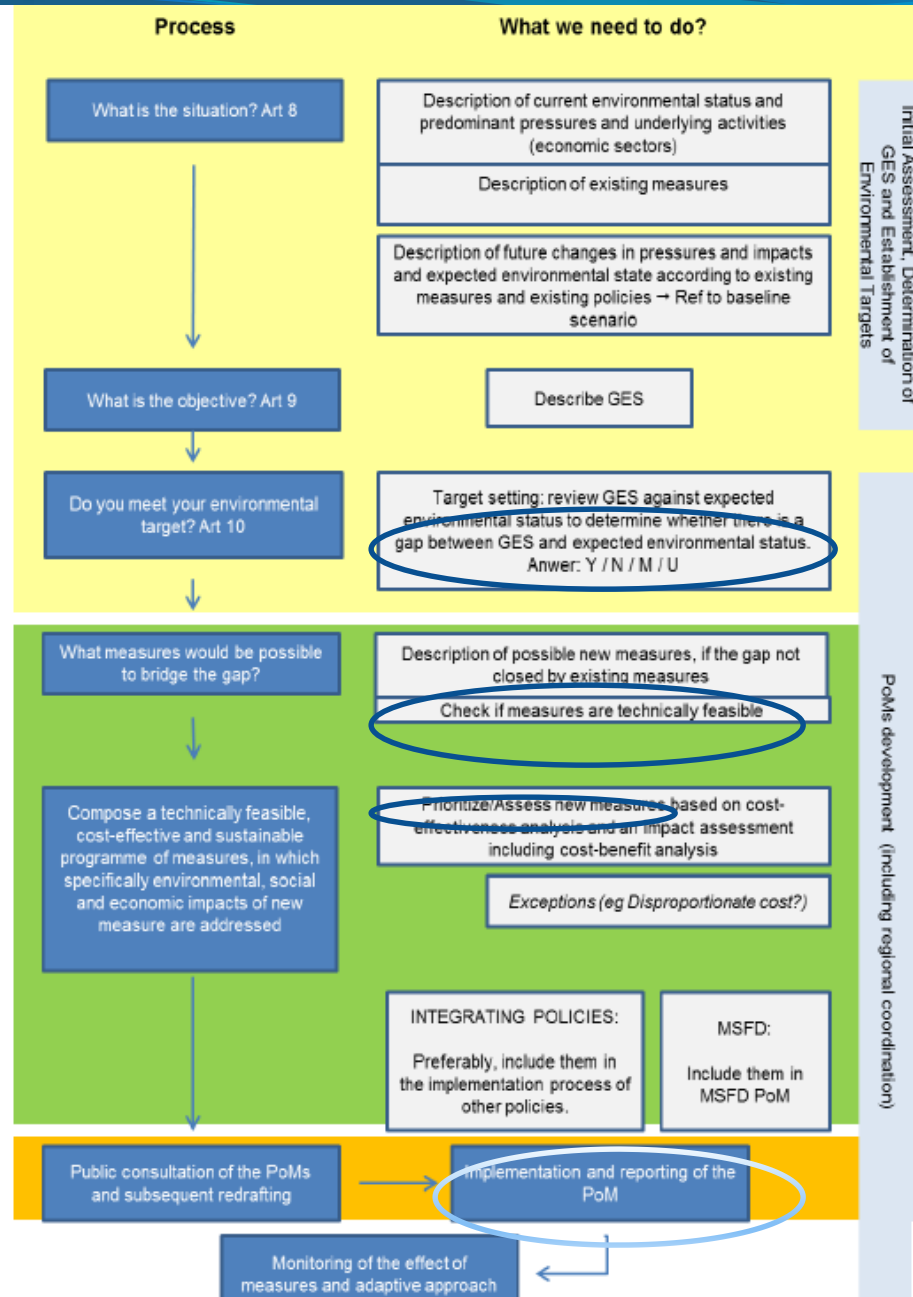
❑ POM – RO approach

Need to prioritise from potential measures under consideration to cost effective and technically feasible measures (Art 13.3)

- ❖ Selecting between certain measures is a integral part of the decision making process and depends on numerous factors (list provided) influencing costs & benefits;
- ❖ Criteria for evaluation measures in terms of feasibility or relevance provided for MSFD purpose
- ❖ Due to limited knowledge of the ecosystem functioning, quantitative description of effects & benefits may not always be possible
- ❖ Exchange of CEA/CBA application experiences take place;

□ POM – RO approach

Phased approach



❑ POM – RO approach WFD - MSFD

'Generic' type of measures	Parallel with WFD	MSFD requirements	Reporting under WFD	Reporting under MSFD
Measures existing under EU legislation or International agreement	compulsory basic measures Article 11(3)a	Integration in PoM	MS were asked to indicate whether the measures were implemented and to give comments or explanations, in particular if they had not been (fully) implemented	- reference to other EU reporting -> need to work closely with WFD CIS to better define the way they report on measures relevant for Marine environment
Measures foreseen by the Directive	compulsory basic measures Article 11(3)b WFD	MPA: Coherent and representative network	MS were required to indicate whether the type of measure was in place in the RBD, provide a reference, briefly describe the measure and provide any additional comments or an explanation if the measure had not been put in place	- See MEG for Coherence and representativeness - need to define level of detail for the measures related to MPA
New measures	supplementary and additional measures of WFD Articles 11(4) and 11(5)	1/ CEA / technically feasible 2/ IA (CBA) 3/ Art 14	key Type of Measures: by identifying which pressures required supplementary measures and then by linking those pressures to supplementary measures that are coded	- first categorization per descriptor - need for a typology based on pressures?

WFD

- **Economic analysis of river basins**
- Baseline scenario
- Environmental & resource costs
- [Target setting: not connected to social/economic concerns (only through exemptions)]
- **Cost-effective program of measures**
- Exemptions: disproportionality (CBA?)
- [CBA not explicitly mentioned]
- International coordination efforts required

MSFD

- **Economic analysis of the use of the marine environment**
- Baseline scenario
- Cost of degradation
- Consideration of social & economic concerns in the setting of targets
- **Cost-effective program of measures**
- Exemptions: disproportionality (CBA?)
- **IA of new measures, including CBA**
- International coordination efforts required

□ POM – RO approach POM MSFD



2 “stages”

- ❖ **KTM (Key Type Measures) relevant for WFD & MSFD**
 - Measures in relation with coastal and transitional water bodies (structural and instruments)
 - Measures in DRBMP – JPM
 - Measures in relation with marine waters

- ❖ **Joint Program of Measures (ARCADIS – Project : *Technical and administrative support for the joint implementation of the Marine Strategy Framework Directive (MSFD) in Bulgaria and Romania***
 - Long list of relevant measures or marine environment
 - Short list of common measures RO - BG

Program of measures in relation with coastal and transitional water bodies (1)



Draft of Dobrogea Litoral River Basin Management Plan contains **measures applied** in order to reduce the impact of significant pressures on coastal and transitional waters

List of measures:

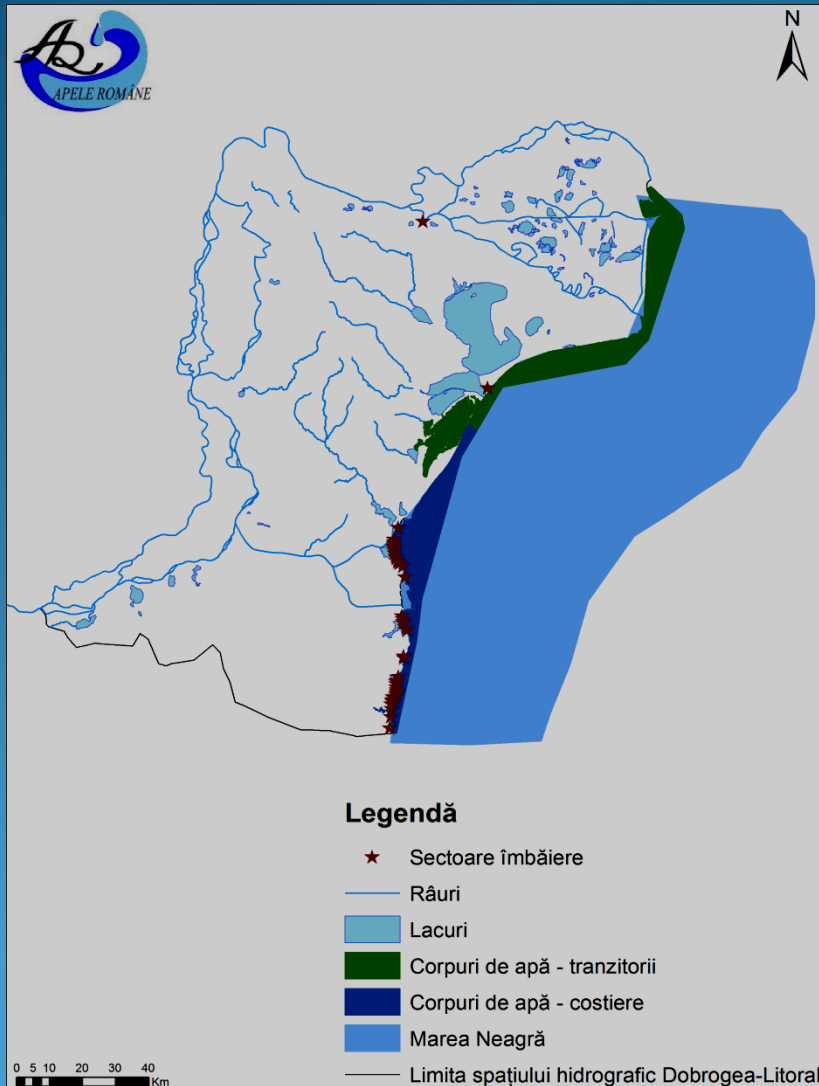
- ✓ Human agglomerations (comply with requirements of UWWT Directive 91/271/ECC):
- ✓ Measures for improvement and extension of industrial WWTPs for decreasing the discharged pollutants loads (5 industrial units non complying with requirements of IED / E-PRTR) – plans for reduction or phasing out of emissions, discharges and losses of the priority substances
- ✓ Measures for conservation of natural habitat and species (Habitats and Birds Directives)
- ✓ Monitoring of protected areas in order to assure the quality of marine waters for:

Marine zones for breeding and exploitation of shellfish



- 4 marine zones for breeding and exploitation of shellfish (567 Mm²) between Sulina and Mangalia sea side
- *Mytilus* and *Rapana* – main species which has economic interest for human consumption
- **Monitoring of the marine water quality** for assuring the normal reproduction of shellfish and proper condition for feeding (National Institute for Marine Research and Development „Grigore Antipa”)

Bathing areas



- ✓ 50 bathing areas lying from Gura Portiței to Vama Veche
- ✓ Bathing seasonal period - 106 days (1st June – 15th September)
- ✓ Full complying with the mandatory values for parameters
- ✓ Public Health Directorate Constanta – monitoring, assessment and public information and awareness

□ Program of measures in DRBMP – JPM

The Danube countries committed themselves in the DRPC, inter alia, to implement measures to reduce the pollution loads entering the Black Sea from sources in the Danube River Basin District.

- The measures applied at the basin-wide level for the reduction of organic and nutrient pollution and hazardous substances pollution will contribute to the **improvement of the Black Sea status**;
- It is based on the national programs of measures, which shall be made operational by December 2018, and describes the expected improvements in water status by 2021;

❑ POM – RO approach – Common project RO - BG



Long List	
Descriptor	Long-list measures
D1- Biodiversity	
D 1,2,4 Fish, shelfish, birds, mammals, habitats	- Designation of zones for beam trawling. Long-term observation on the impacts in the designated zones permitted for beam-trawling. Research on the activities. When necessary change of usage requirements.
D 1,4,6 Seabed habitats	inventory, classification and a mapping system for BS habitats (GIS maps and list of BS threatened habitats)
D10 - Marine litter	
D10 - Marine litter	annual campaigns related to beach cleaning (inc. harbor areas and river mouths) and counting of ML by voluntaries using the MSFD Guidance for monitoring of marine litter
D2- Non-indigenous species	
D2- Non-indigenous species	Ratification of the BWM Convention by the BS countries
D3- Commercial fish-stocks	
D3- Commercial fish-stocks	Limiting the impact of fishing on the marine environment (technical improvements to mitigate the impact on marine environment, e.g. mesh size restrictions) Aim: to achieve MSY
D3- Commercial fish-stocks	Advisory services for more environmental techniques (fisheries and aquaculture);
D5 - Eutrophication	
D5, 8 - Eutrophication	research activities related to better knowledge about impact of less studied anthropogenic pressures (atmospheric deposition etc) on marine waters and the seabed habitats, the fish, marine mammal and seabird populations
D5 - Eutrophication	Use of common methodology for assessment of diffuse sources by the BS countries (models, tool, SWAT)
D7 - Hydrographical conditions (contaminants and pollution effects)	Coordination of Environmental Impact Assessment (EIA) procedures related to investment intentions through the EEZ of BS countries with significant transboundary effects with respect to MSFD 2008/56/EO
D8 - Contamination (contaminants and pollution effects)	Enhanced control on discharges of sanitary waters from ships according to the requirements of MARPOL 73/78 (requirements of Annex 1)

Long List POM

- 76 measures
- Detailed on type of descriptor
- Still in progress to be discussed with stakeholders

Criteria for selection common measures

- ❖ **A joint measure** is a common action (in time, in place) taken by BG and/or RO (e.g. the implementation of a transboundary marine spatial plan, joint monitoring surveys)
- ❖ **Coordinated measures** are measures addressing transboundary pressures and impacts, implemented separately in BG and/or RO, but which are fine-tuned with respect to methodology and/or procedures (e.g. harmonization of Environmental Impact Assessment procedures).

□ POM – RO approach

Short list



Number	Descriptor	Short list measures	Regional measures (new)	National measures BG (new)	National measures RO (new)	Valid for Bg/Ro/both
D1- Biodiversity						
D 1,2,4 Fish,shelffish,birds,mammals,habitats		-Designation of zones for beam trawling. Long-term observation on the impacts in the designated zones permitted for beam-trawling. Research on the activities. When necessary change of usage requirements.		X		both
D 1,2,4 Fish,shelffish,birds,mammals,habitats		-Control on compliances with permit conditions.				both
D 1,4,6 Seabed habitats		inventory, classification and a mapping system for BS habitats (GIS maps and list of BS threatened habitats)	X	X		both
D10 - Marine litter						
D10 - Marine litter		Development of Regional Marine litter Action Plan	X	X		both
D10 - Marine litter		annual campaigns related to beach cleaning (inc. harbor areas and river mouths) and counting of ML by voluntaries using the MSFD Guidance for monitoring of marine litter	X	X		both
D2- Non-indigenous species						
D2- Non-indigenous species		Ratification of the BWM Convention by the BS countries				both

- 24 measures selected;
- Agreed in the frame of workshops;
- Detailed on descriptor type
- Still in progress to be discussed with stakeholders

NEXT STEPS

- ❖ Cost effectiveness analyze
- ❖ Cost benefit analyze

**What would else you like to know from colleagues from
Member States?**



We had a nice chat, but let's now continue to do our work

- What has been said provides valuable information that should be used to enrich the experiences document ?**
- Collecting written contributions from each MS as it was done for the Initial Assessment, to get a kind of an evaluation report (may be after adding/adjusting certain questions) is usefull?**
- Let's try to indicate the most important challenges and use those for the future work programme ?**



Thank you for your attention