



MINISTRY OF ENVIRONMENT,
WATERS AND FORESTS

ROMANIA REPORT ON THE 2020 UPDATE OF ARTICLE 11 FOR THE MARINE STRATEGY FRAMEWORK DIRECTIVE

https://cdr.eionet.europa.eu/ro/eu/msfd_art17/2020reporting/xmldata/envx9idmq



MONITORING STRATEGY	D8 CONTAMINANTS
Description of the monitoring strategy	Monitoring in transects perpendicular to coast, evenly distributed and around hotspots. Variation in relation to risk across the area (coastal/offshore, pressure related);
Description of the gaps and plans to complete the implementation of monitoring	Maintaining the continuity of contaminants monitoring.
Monitoring programmes that contribute to this strategy	BLKRO-D8_PressureMarEnv_03 BLKRO-D8_PressureMarEnv_05

MONITORING PROGRAMME	BLKRO-D8_PressureMarEnv_03 - Contaminant levels - in water/sediment
Introduction/overview of programme	Heavy metals and organic pollutants (TPH, PAH, OCP, PCB) are measured in seawater (surface horizon), and sediment
Purpose of programme	Pressures in the marine environment
Other EU or international policies to which programme contributes	BSC Integrated Monitoring and Assessment Programme

The screenshot shows a web browser window with the URL: cdr.eionet.europa.eu/Converters/run_conversion?file=ro/eu/msfd_art17/2020reporting/xmldata/envx9idmq/ART11_RO_MONprog_v10.12.2020...

The page displays a configuration form for a monitoring programme. The sidebar on the left lists several programmes, with the selected one being "BLKRO-D8_PressureMarEnv_03 - Contaminant levels - in water/sediment".

The main content area contains the following configuration fields:

- Temporal Scope:** 2000-9999
- Spatial Scope:** Territorial waters
- Marine Reporting Unit:** BLK_RO_RG_MT01, BLK_RO_RG_CT, BLK_RO_RG_TT03
- Monitoring Purpose:** Pressures in the marine environment
- Monitoring Type:** In-situ sampling coastal, In-situ sampling offshore
- Monitoring Details:** (Empty field)
- Monitoring Method:** Other monitoring method
- Monitoring Method Other:** IAEA-MEL (1995). Marine Environmental Studies Laboratory, Training Manual on the Measurement of Organochlorine and Petroleum Hydrocarbons in environmental samples; IAEA-MEL (1999). Standard operating procedures for trace metals analyses.
- Quality Control:** Certified References Material



Monitoring details				
Ecosystem components, anthropogenic pressures and activities monitored	Contaminants - non UPBT substances			
	Elements monitored	Cadmium and its compounds		
		GES criteria addressed	D8C1 Contaminant in environment	
			Parameters monitored	Concentration in water, Concentration in sediment (total)
		Chromium and its compounds		
		GES criteria addressed	D8C1 Contaminant in environment	
			Parameters monitored	Concentration in water, Concentration in sediment (total)
		Copper and its compounds		
		GES criteria addressed	D8C1 Contaminant in environment	
			Parameters monitored	Concentration in water, Concentration in sediment (total)
		Lead and its compounds		
		GES criteria addressed	D8C1 Contaminant in environment	
			Parameters monitored	Concentration in water, Concentration in sediment (total)
		Nickel and its compounds		
		GES criteria addressed	D8C1 Contaminant in environment	
			Parameters monitored	Concentration in water, Concentration in sediment (total)
		Acenaphthene		
		GES criteria addressed	D8C1 Contaminant in environment	
			Parameters monitored	Concentration in water, Concentration in sediment (total)
		Acenaphthylene		
GES criteria addressed		D8C1 Contaminant in environment		
	Parameters monitored	Concentration in water, Concentration in sediment (total)		
Aldrin				
	D8C1 Contaminant in environment			



	GES criteria addressed	Parameters monitored	Concentration in water, Concentration in sediment (total)
	Anthracene		
	GES criteria addressed	D8C1 Contaminant in environment	
		Parameters monitored	Concentration in water, Concentration in sediment (total)
	Benz(a)anthracene		
	GES criteria addressed	D8C1 Contaminant in environment	
		Parameters monitored	Concentration in water, Concentration in sediment (total)
	Chrysene		
	GES criteria addressed	D8C1 Contaminant in environment	
		Parameters monitored	Concentration in water, Concentration in sediment (total)
	DDT, p,p'		
	GES criteria addressed	D8C1 Contaminant in environment	
		Parameters monitored	Concentration in water, Concentration in sediment (total)
	Dibenzo(a,h)anthracene		
	GES criteria addressed	D8C1 Contaminant in environment	
		Parameters monitored	Concentration in water, Concentration in sediment (total)
	Dieldrin		
	GES criteria addressed	D8C1 Contaminant in environment	
		Parameters monitored	Concentration in water, Concentration in sediment (total)
	Endrin		
	GES criteria addressed	D8C1 Contaminant in environment	
		Parameters monitored	Concentration in water, Concentration in sediment (total)
	Fluoranthene		
		D8C1 Contaminant in environment	



	GES criteria addressed	Parameters monitored	Concentration in water, Concentration in sediment (total)
	Fluorene		
	GES criteria addressed	D8C1 Contaminant in environment	
		Parameters monitored	Concentration in water, Concentration in sediment (total)
	Gamma-HCH (Lindane)		
	GES criteria addressed	D8C1 Contaminant in environment	
		Parameters monitored	Concentration in water, Concentration in sediment (total)
	Hexachlorobenzene		
	GES criteria addressed	D8C1 Contaminant in environment	
		Parameters monitored	Concentration in water, Concentration in sediment (total)
	Naphthalene		
	GES criteria addressed	D8C1 Contaminant in environment	
		Parameters monitored	Concentration in water, Concentration in sediment (total)
	Non-dioxin like PCB (sum of 6 PCB: 28, 52, 101, 138, 153 and 180)		
	GES criteria addressed	D8C1 Contaminant in environment	
		Parameters monitored	Concentration in water, Concentration in sediment (total)
	p,p'-DDD		
	GES criteria addressed	D8C1 Contaminant in environment	
		Parameters monitored	Concentration in water, Concentration in sediment (total)
	p,p'-DDE		
	GES criteria addressed	D8C1 Contaminant in environment	
		Parameters monitored	Concentration in water, Concentration in sediment (total)
	Petroleum hydrocarbons		



	GES criteria addressed	D8C1 Contaminant in environment	
		Parameters monitored	Concentration in water, Concentration in sediment (total)
	Phenanthrene		
	GES criteria addressed	D8C1 Contaminant in environment	
		Parameters monitored	Concentration in water, Concentration in sediment (total)
	Pyrene		
	GES criteria addressed	D8C1 Contaminant in environment	
		Parameters monitored	Concentration in water, Concentration in sediment (total)
	sum of p,p'-DDT (dichlorodiphenyltrichloroethane) and the metabolites p,p'-DDD (dichlorodipenyldichloroethane) and p,p'-DDE (dichlorodipenyldichloroethylene)		
	GES criteria addressed	D8C1 Contaminant in environment	
		Parameters monitored	Concentration in water, Concentration in sediment (total)
	ΣPAH9: anthracene; benzo[a]anthracene; benzo[ghi]perylene; benzo[a]pyrene; chrysene; fluoranthene; indeno[1,2,3-cd]pyrene; pyrene; phenanthrene		
	GES criteria addressed	D8C1 Contaminant in environment	
Parameters monitored		Concentration in water, Concentration in sediment (total)	
Contaminants - UPBT substances			
Elements monitored	Benzo(a)pyrene		
	GES criteria addressed	D8C1 Contaminant in environment	
		Parameters monitored	Concentration in water, Concentration in sediment (total)
Benzo(b)fluoranthene			
	D8C1 Contaminant in environment		



	GES criteria addressed	Parameters monitored	Concentration in water, Concentration in sediment (total)
	Benzo(g,h,i)perylene		
	GES criteria addressed	D8C1 Contaminant in environment	
		Parameters monitored	Concentration in water, Concentration in sediment (total)
	Benzo(k)fluoranthene		
	GES criteria addressed	D8C1 Contaminant in environment	
		Parameters monitored	Concentration in water, Concentration in sediment (total)
	Heptachlor		
	GES criteria addressed	D8C1 Contaminant in environment	
		Parameters monitored	Concentration in water, Concentration in sediment (total)
	Indeno(1,2,3,-cd)pyrene		
	GES criteria addressed	D8C1 Contaminant in environment	
		Parameters monitored	Concentration in water, Concentration in sediment (total)
	PCB 118 (2,3',4,4',5-pentachlorobiphenyl)		
	GES criteria addressed	D8C1 Contaminant in environment	
		Parameters monitored	Concentration in water, Concentration in sediment (total)
	Total PAHs (Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(ghi)perylene, Indeno(1,2,3-cd)pyrene)		
	GES criteria addressed	D8C1 Contaminant in environment	
		Parameters monitored	Concentration in water, Concentration in sediment (total)
Spatial zones monitored	Territorial waters		
Start(and end) date of the programme	2000-9999		
Frequency of the monitoring	Yearly		



Type of monitoring	In-situ sampling coastal, In-situ sampling offshore
Indicators to which the programme contributes	8.1 - Contaminants in environment

MONITORING PROGRAMME	BLKRO-D8_PressureMarEnv_05 - Contaminant levels - in water/sediment
Introduction/overview of programme	Heavy metals and organic pollutants (TPH, PAH, OCP, PCB) are measured in seawater (surface horizon), and sediment
Purpose of programme	Pressures in the marine environment
Other EU or international policies to which programme contributes	BSC Integrated Monitoring and Assessment Programme

The screenshot shows a web browser window with the URL: cdr.eionet.europa.eu/Converters/run_conversion?file=ro/eu/msfd_art17/2020reporting/xmldata/envx9idmq/ART11_RO_MONprog_v10.12.2020...

The page displays the following configuration details:

- Temporal Scope:** 2000-9999
- Spatial Scope:** Territorial waters
- Marine Reporting Unit:** BLK_RO_RG_TT03, BLK_RO_RG_CT, BLK_RO_RG_MT01
- Monitoring Purpose:** Pressures in the marine environment
- Monitoring Type:** In-situ sampling coastal, In-situ sampling offshore
- Monitoring Method:** Other monitoring method
- Monitoring Method Other:** IAEA-MEL (1995), Marine Environmental Studies Laboratory, Training Manual on the Measurement of Organochlorine and Petroleum Hydrocarbons in environmental samples; IAEA-MEL (1999). Standard operating procedures for trace metals analyses.
- Quality Control:** Certified Reference Material

Monitoring details	Contaminants - non UPBT substances		
Ecosystem components, anthropogenic pressures and activities monitored	Elements monitored	Cadmium and its compounds	
		GES criteria addressed	D8C1 Contaminant in environment
		Parameters monitored	Concentration in sediment (total), Concentration in water
		Copper and its compounds	



	GES criteria addressed	D8C1 Contaminant in environment	
		Parameters monitored	Concentration in sediment (total), Concentration in water
Chromium and its compounds			
	GES criteria addressed	D8C1 Contaminant in environment	
		Parameters monitored	Concentration in sediment (total), Concentration in water
Lead and its compounds			
	GES criteria addressed	D8C1 Contaminant in environment	
		Parameters monitored	Concentration in sediment (total), Concentration in water
Nickel and its compounds			
	GES criteria addressed	D8C1 Contaminant in environment	
		Parameters monitored	Concentration in sediment (total), Concentration in water
Acenaphthene			
	GES criteria addressed	D8C1 Contaminant in environment	
		Parameters monitored	Concentration in sediment (total), Concentration in water
Acenaphthylene			
	GES criteria addressed	D8C1 Contaminant in environment	
		Parameters monitored	Concentration in sediment (total), Concentration in water
Aldrin			
	GES criteria addressed	D8C1 Contaminant in environment	
		Parameters monitored	Concentration in sediment (total), Concentration in water
Anthracene			
	GES criteria addressed	D8C1 Contaminant in environment	
		Parameters monitored	Concentration in sediment (total), Concentration in water
Benz(a)anthracene			



	GES criteria addressed	D8C1 Contaminant in environment
	Parameters monitored	Concentration in sediment (total), Concentration in water
Chrysene		
	GES criteria addressed	D8C1 Contaminant in environment
	Parameters monitored	Concentration in sediment (total), Concentration in water
DDT, p,p'		
	GES criteria addressed	D8C1 Contaminant in environment
	Parameters monitored	Concentration in sediment (total), Concentration in water
Dibenzo(a,h)anthracene		
	GES criteria addressed	D8C1 Contaminant in environment
	Parameters monitored	Concentration in sediment (total), Concentration in water
Dieldrin		
	GES criteria addressed	D8C1 Contaminant in environment
	Parameters monitored	Concentration in sediment (total), Concentration in water
Endrin		
	GES criteria addressed	D8C1 Contaminant in environment
	Parameters monitored	Concentration in sediment (total), Concentration in water
Fluoranthene		
	GES criteria addressed	D8C1 Contaminant in environment
	Parameters monitored	Concentration in sediment (total), Concentration in water
Fluorene		
	GES criteria addressed	D8C1 Contaminant in environment
	Parameters monitored	Concentration in sediment (total), Concentration in water
Gamma-HCH (Lindane)		



	GES criteria addressed	D8C1 Contaminant in environment
	Parameters monitored	Concentration in sediment (total), Concentration in water
Hexachlorobenzene		
	GES criteria addressed	D8C1 Contaminant in environment
	Parameters monitored	Concentration in sediment (total), Concentration in water
Naphthalene		
	GES criteria addressed	D8C1 Contaminant in environment
	Parameters monitored	Concentration in sediment (total), Concentration in water
Non-dioxin like PCB (sum of 6 PCB: 28, 52, 101, 138, 153 and 180)		
	GES criteria addressed	D8C1 Contaminant in environment
	Parameters monitored	Concentration in sediment (total), Concentration in water
p,p'-DDD		
	GES criteria addressed	D8C1 Contaminant in environment
	Parameters monitored	Concentration in sediment (total), Concentration in water
p,p'-DDE		
	GES criteria addressed	D8C1 Contaminant in environment
	Parameters monitored	Concentration in sediment (total), Concentration in water
Petroleum hydrocarbons		
	GES criteria addressed	D8C1 Contaminant in environment
	Parameters monitored	Concentration in sediment (total), Concentration in water
Phenanthrene		
	GES criteria addressed	D8C1 Contaminant in environment
	Parameters monitored	Concentration in sediment (total), Concentration in water



	Pyrene	
	GES criteria addressed	D8C1 Contaminant in environment Parameters monitored Concentration in sediment (total), Concentration in water
	sum of p,p'-DDT (dichlorodiphenyltrichloroethane) and the metabolites p,p'-DDD (dichlorodiphenyldichloroethane) and p,p'-DDE (dichlorodiphenyldichloroethylene)	
	GES criteria addressed	D8C1 Contaminant in environment Parameters monitored Concentration in sediment (total), Concentration in water
	ΣPAH9: anthracene; benzo[a]anthracene; benzo[ghi]perylene; benzo[a]pyrene; chrysene; fluoranthene; indeno[1,2,3-cd]pyrene; pyrene; phenanthrene	
	GES criteria addressed	D8C1 Contaminant in environment Parameters monitored Concentration in sediment (total), Concentration in water
	Contaminants - UPBT substances	
Elements monitored	Benzo(a)pyrene	
	GES criteria addressed	D8C1 Contaminant in environment Parameters monitored Concentration in sediment (total), Concentration in water
	Benzo(b)fluoranthene	
	GES criteria addressed	D8C1 Contaminant in environment Parameters monitored Concentration in sediment (total), Concentration in water
	Benzo(g,h,i)perylene	
	GES criteria addressed	D8C1 Contaminant in environment Parameters monitored Concentration in sediment (total), Concentration in water
	Benzo(k)fluoranthene	
		D8C1 Contaminant in environment



		GES criteria addressed	Parameters monitored	Concentration in sediment (total), Concentration in water
		Heptachlor		
		GES criteria addressed	D8C1 Contaminant in environment	
			Parameters monitored	Concentration in sediment (total), Concentration in water
		Indeno(1,2,3,-cd)pyrene		
		GES criteria addressed	D8C1 Contaminant in environment	
			Parameters monitored	Concentration in sediment (total), Concentration in water
		PCB 118 (2,3',4,4',5-pentachlorobiphenyl)		
		GES criteria addressed	D8C1 Contaminant in environment	
			Parameters monitored	Concentration in sediment (total), Concentration in water
		Total PAHs (Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(ghi)perylene, Indeno(1,2,3-cd)pyrene)		
		GES criteria addressed	D8C1 Contaminant in environment	
			Parameters monitored	Concentration in sediment (total), Concentration in water
Spatial zones monitored	Territorial waters			
Start(and end) date of the programme	2000-9999			
Frequency of the monitoring	Yearly			
Type of monitoring	In-situ sampling coastal, In-situ sampling offshore			
Indicators to which the programme contributes	8.1 - Contaminants in environment			



MONITORING STRATEGY	D9 CONTAMINANTS IN SEAFOOD
Description of the monitoring strategy	Monitoring activities cover Romanian marine waters. Contaminant levels are assessed mainly in molluscs, sampled from monitoring stations during research cruises.
Description of the gaps and plans to complete the implementation of monitoring	Expand number of samples and species monitored
Monitoring programmes that contribute to this strategy	BLKRO-D8,9_PressureMarEnv_07

MONITORING PROGRAMME	BLKRO-D8,9_PressureMarEnv_07 - Contaminant levels - in species, including seafood
Introduction/overview of programme	Monitoring activities cover Romanian marine waters. Contaminant levels are assessed mainly in mollusks, and data collected are useful for assessing the concentration of contaminants (bioaccumulation level) in species, including seafood, against regulated thresholds.
Purpose of programme	Pressures in the marine environment
Other EU or international policies to which programme contributes	Foodstuffs Regulation, BSC Integrated Monitoring and Assessment Programme

The screenshot shows a web browser window with the following details:

- Browser Tabs:** (2397) Roundcube Webmail - In..., Inbox (347) - andra.oros71@gm..., Europa FM LIVE - Ascult..., Reporting on MSFD Article 11 Pr...
- Address Bar:** cdr.eionet.europa.eu/Converters/run_conversion?file=ro/eu/msfd_art17/2020reporting/xmldata/envx9idmq/ART11_RO_MONprog_v10.12.2020...
- Page Content:**
 - Reporter info:** [Logo]
 - Monitoring Programmes:**
 - BLKRO-D8_PressureMarEnv_03 - Contaminant levels - in water/sediment
 - BLKRO-D8_PressureMarEnv_05 - Contaminant levels - in water/sediment
 - BLKRO-D8,9_PressureMarEnv_07 - Contaminant levels - in species, including seafood**
 - BLKRO-D1,2,4,5,6_SeabedHabitats_08 - Seabed habitats - community characteristics
 - BLKRO-D1,5,7_WaterColumn_01 - Water column - physical characteristics
 - BLKRO-D1,5,7_WaterColumn_03 - Water column - chemical characteristics
 - BLKRO-D1,4,5_WaterColumn_07 -
 - Configuration Fields:**
 - Temporal Scope:** 2005-9999
 - Spatial Scope:** Territorial waters
 - Marine Reporting Unit:** BLK_RO_RG_MT01
 - Monitoring Purpose:** Pressures in the marine environment
 - Monitoring Type:** In-situ sampling offshore
 - Monitoring Method:** Other monitoring method
 - Monitoring Method Other:** IAEA-MEL (1995). Marine Environmental Studies Laboratory, Training Manual on the Measurement of Organochlorine and Petroleum Hydrocarbons in environmental samples; IAEA-MEL (1999). Standard operating procedures for trace metals analyses.
 - Quality Control:** Certified reference materials
 - Monitoring Frequency:** Yearly



Monitoring details				
Ecosystem components, anthropogenic pressures and activities monitored	Contaminants – in seafood			
	Elements monitored	Benzo(a)pyrene		
		GES criteria addressed	D9C1 Contaminants in seafood	
			Parameters monitored	CONC-B-Mytilus sp.
		Cadmium and its compounds		
		GES criteria addressed	D9C1 Contaminants in seafood	
			Parameters monitored	CONC-B-Mytilus sp.
		Lead and its compounds		
GES criteria addressed	D9C1 Contaminants in seafood			
	Parameters monitored	CONC-B-Mytilus sp.		
Non-dioxin like PCB (sum of 6 PCB: 28, 52, 101, 138, 153 and 180)				
GES criteria addressed	D9C1 Contaminants in seafood			
	Parameters monitored	CONC-B-Mytilus sp.		
Spatial zones monitored	Territorial waters			
Start(and end) date of the programme	2005-9999			
Frequency of the monitoring	Yearly			
Type of monitoring	In-situ sampling offshore			
Indicators to which the programme contributes	9.1 - Contaminants in seafood			



MONITORING STRATEGY	D5 EUTROPHICATION
Description of the monitoring strategy	Monitoring in transects perpendicular on coast and on fix points, covering entire Romanian shelf, either waters strongly affected by the Danube's freshwater discharges and coastal activities or marine waters, less affected by human activities (to emphasize natural and climatic variability); monitoring on coastal fix station (Cazino Mamaia) starting with 1959, still ongoing, to assess trends based on long-term data series.
Description of the gaps and plans to complete the implementation of monitoring	Improve assessment of variation in relation to risk across the area (pressure related);
Monitoring programmes that contribute to this strategy	BLKRO-D1,5,7_WaterColumn_03 BLKRO-D1,4,5_WaterColumn_07 BLKRO-D5_PressureMarEnv_02 BLKRO-D1,2,4,5,6_SeabedHabitats_08 BLKRO-D1,5,7_WaterColumn_01

MONITORING PROGRAMME	BLKRO-D1,2,4,5,6_SeabedHabitats_08 - Seabed habitats - community characteristics
Introduction/overview of programme	Monitoring activities related to the development of phytobenthic communities in coastal waters
Purpose of programme	Environmental state and impacts
Monitoring details	Data collected from the existing programmes are useful in the MSFD monitoring to assess the state of macroalgae and angiosperms communities and the state of seabed habitats.



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Cooperation Implementation: Common monitoring strategy

Temporal Scope: 2009-9999

Spatial Scope: Coastal waters (WFD)

Marine Reporting Unit: BLK_RO_RG_CT

Monitoring Purpose: Environmental state and impacts

Monitoring Type: In-situ sampling coastal

Monitoring Details: Data collected from the existing programmes are useful in the MSFD monitoring to assess the state of macroalgae and angiosperms communities and the state of seabed habitats.

Monitoring Method: HELCOM Recommendations and guidelines for benthic habitat monitoring in the Baltic Sea

Monitoring Method Other:

Quality Control: No validation of data

Monitoring Frequency: Yearly

Ecosystem components, anthropogenic pressures and activities monitored	Eutrophication			
	Elements monitored	Benthic habitats - opportunistic macroalgae		
		GES criteria addressed	D5C6 Opportunistic macroalgae of benthic habitats	
		Parameters monitored	Biomass proportion of opportunistic species from total biomass (%)	
Spatial zones monitored	Coastal waters (WFD)			
Start(and end) date of the programme	2009-9999			
Frequency of the monitoring	Yearly			
Type of monitoring	In-situ sampling coastal			
Indicators to which the programme contributes	5.6 - Opportunistic and perennial species proportion			

MONITORING PROGRAMME	BLKRO-D1,5,7_WaterColumn_01 - Water column – physical characteristics
Introduction/overview of programme	Monitoring in transects perpendicular on coast and on fix points, covering entire Romanian shelf, either waters strongly affected by the Danube's freshwater discharges and coastal activities or marine waters, less affected by human activities (to emphasize natural and climatic variability);
Purpose of programme	Environmental state and impacts



Monitoring details	Data collected are useful to MSFD monitoring for assessing the physical characteristics of water column habitats and future trends under natural and climatic variability; data are usable in establishing/updating the environmental targets.
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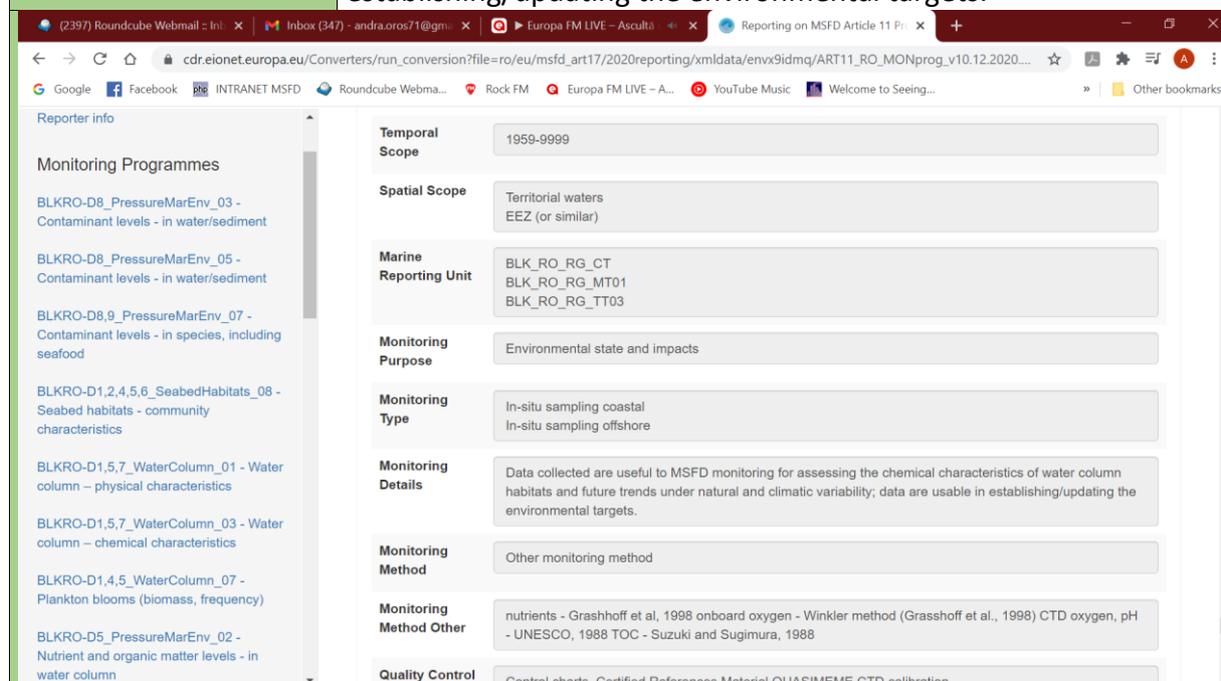
The screenshot shows a web browser window with the URL cdr.eionet.europa.eu/Converters/run_conversion?file=ro/eu/msfd_art17/2020reporting/xmldata/envx9idmq/ART11_RO_MONprog_v10.12.2020.... The page displays details for a monitoring programme:

- Temporal Scope:** 1959-9999
- Spatial Scope:** Territorial waters
- Marine Reporting Unit:** BLK_RO_RG_CT, BLK_RO_RG_MT01, BLK_RO_RG_TT03
- Monitoring Purpose:** Environmental state and impacts
- Monitoring Type:** Visual observation
- Monitoring Details:** Data collected are useful to MSFD monitoring for assessing the physical characteristics of water column habitats and future trends under natural and climatic variability; data are usable in establishing/updating the environmental targets.
- Monitoring Method:** HELCOM Recommendations and guidelines for benthic habitat monitoring in the Baltic Sea
- Monitoring Method Other:** (Empty field)
- Quality Control:** No validation of data
- Monitoring Frequency:** Yearly

Ecosystem components, anthropogenic pressures and activities monitored	Eutrophication		
	Elements monitored	Transparency	
Spatial zones monitored	Territorial waters	GES criteria addressed	D5C4 Photic limit
		Parameters monitored	Transparency of water
Start(and end) date of the programme	1959-9999		
Frequency of the monitoring	Yearly		
Type of monitoring	Visual observation		
Indicators to which the programme contributes	5.4 - Transparency		



MONITORING PROGRAMME	BLKRO-D1,5,7_WaterColumn_03 - Water column – chemical characteristics
Introduction/overview of programme	Monitoring in transects perpendicular on coast and on fix points, covering entire Romanian shelf, either waters strongly affected by the Danube’s freshwater discharges and coastal activities or marine waters, less affected by human activities (to emphasize natural and climatic variability); monitoring on coastal fix station (Cazino Mamaia) starting with 1959, still ongoing, to assess trends based on long-term data series.
Purpose of programme	Environmental state and impacts
Monitoring details	Data collected are useful to MSFD monitoring for assessing the chemical characteristics of water column habitats and future trends under natural and climatic variability; data are usable in establishing/updating the environmental targets.



Ecosystem components, anthropogenic pressures and activities monitored	Eutrophication			
	Elements monitored	DIP		
		GES criteria addressed	D5C1 Nutrient concentrations	
			Parameters monitored	Concentration in water
		DIN		
		GES criteria addressed	D5C1 Nutrient concentrations	
			Parameters monitored	Concentration in water
Dissolved oxygen (O2)				
GES criteria addressed	D5C5 Dissolved oxygen concentration			
	Parameters monitored	Concentration in water		



Spatial zones monitored	Territorial waters, EEZ (or similar)
Start(and end) date of the programme	1959-9999
Frequency of the monitoring	6-monthly
Type of monitoring	In-situ sampling coastal, In-situ sampling offshore
Indicators to which the programme contributes	5.1.1 - DIP, 5.1.2 - DIN, 5.5 - Bottom dissolved oxygen

MONITORING PROGRAMME	BLKRO-D1,4,5_WaterColumn_07 - Plankton blooms (biomass, frequency)
Introduction/overview of programme	Monitoring in transects perpendicular on coast, covering the Romanian shelf, either waters strongly affected by the Danube's freshwater discharges and coastal activities or marine waters, less affected by eutrophication); Monitoring on coastal fix station (Cazino Mamaia) starting with 1959, still ongoing, to assess trends based on long-term data series; Ad hoc monitoring of bloom events
Purpose of programme	Environmental state and impacts
Monitoring details	Data collected are useful in MSFD monitoring for assessing the extent of eutrophication and natural and climatic variability; data are usable in establishing/updating the environmental targets.



Ecosystem components, anthropogenic pressures and activities monitored	Eutrophication			
	Elements monitored	Chlorophyll-a		
		GES criteria addressed	D5C2 Chlorophyll-a concentration	
			Parameters monitored	Concentration in water
Noctiluca scintillans				
GES criteria addressed	D5C3 Harmful algal blooms			
	Parameters monitored	BIOM		
Spatial zones monitored	Territorial waters			
Start(and end) date of the programme	1959-9999			
Frequency of the monitoring	6-monthly			
Type of monitoring	In-situ sampling coastal, In-situ sampling offshore			
Indicators to which the programme contributes	5.2 - Chlorophyll a, 5.3 - Noctiluca scintillans biomass			

MONITORING PROGRAMME	BLKRO-D5_PressureMarEnv_02 - Nutrient and organic matter levels - in water column
Introduction/overview of programme	Monitoring in transects perpendicular to coast, evenly distributed and around hotspots.
Purpose of programme	Pressures in the marine environment
Monitoring details	Data collected are useful to MSFD monitoring for assessing the level of the nutrients pressure in the marine environment; data are usable in establishing/updating pressure's targets.



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Contaminant levels - in water/sediment

BLKKRO-D8_PressureMarEnv_05 - Contaminant levels - in water/sediment

BLKKRO-D8_9_PressureMarEnv_07 - Contaminant levels - in species, including seafood

BLKKRO-D1,2,4,5,6_SeabedHabitats_08 - Seabed habitats - community characteristics

BLKKRO-D1,5,7_WaterColumn_01 - Water column - physical characteristics

BLKKRO-D1,5,7_WaterColumn_03 - Water column - chemical characteristics

BLKKRO-D1,4,5_WaterColumn_07 - Plankton blooms (biomass, frequency)

BLKKRO-D5_PressureMarEnv_02 - Nutrient and organic matter levels - in water column

BLKKRO-D10_PressureMarEnv_13 - Litter - characteristics and abundance/volume on coast, water surface, seabed

Temporal Scope 1985-9999

Spatial Scope Territorial waters

Marine Reporting Unit BLK_RO_RG_CT
BLK_RO_RG_TT03
BLK_RO_RG_MT01

Monitoring Purpose Pressures in the marine environment

Monitoring Type In-situ sampling coastal
In-situ sampling offshore

Monitoring Details Data collected are useful to MSFD monitoring for assessing the level of the nutrients pressure in the marine environment; data are usable in establishing/updating pressure's targets.

Monitoring Method Other monitoring method

Monitoring Method Other Grasshoff et al, 1998 (nutrients) Suzuki and Sugimura, 1988 (TOC)

Quality Control Control charts, Certified References Material QUASIMEME

Monitoring Frequency 6-monthly

Ecosystem components, anthropogenic pressures and activities monitored	Eutrophication		
	Elements monitored	DIP	
		GES criteria addressed	D5C1 Nutrient concentrations Parameters monitored Concentration in water
	Elements monitored	DIN	
GES criteria addressed		D5C1 Nutrient concentrations Parameters monitored Concentration in water	
Spatial zones monitored	Territorial waters		
Start(and end) date of the programme	1985-9999		
Frequency of the monitoring	6-monthly		
Type of monitoring	In-situ sampling coastal, In-situ sampling offshore		
Indicators to which the programme contributes	5.1.1 - DIP 5.1.2 - DIN		



MONITORING STRATEGY	D10 LITTER
Description of the monitoring strategy	Beach litter - monitoring on the beaches - at least 1 section of coastline of 100 m on lightly to moderately littered beaches and 50 m on heavily littered beaches (per selected site); Seafloor litter - monitoring in transects, covering the Romanian shelf waters (assessed along with demersal fish monitoring)
Description of the gaps and plans to complete the implementation of monitoring	Need to improve frequency and monitoring transects
Monitoring programmes that contribute to this strategy	BLKRO-D10_PressureMarEnv_13 BLKRO-D10_PressureMarEnv_14

MONITORING PROGRAMME	BLKRO-D10_PressureMarEnv_13 - Litter - characteristics and abundance/volume on coast, water surface, seabed
Introduction/overview of programme	Monitoring on the beaches - at least 1 section of coastline of 100 m on lightly to moderately littered beaches and 50 m on heavily littered beaches (per selected site)
Purpose of programme	Pressures in the marine environment
Monitoring details	Data collected are useful in the MSFD monitoring for assessing the litter on the beaches, thus for establishing/updating targets and and GES



Ecosystem components, anthropogenic pressures and activities monitored	Litter in the environment			
	Elements monitored	Litter in the environment		
		GES criteria addressed	D10C1 Litter (excluding micro-litter)	
	Parameters monitored	Amount on coastline		
Spatial zones monitored	Terrestrial part of MS			
Start(and end) date of the programme	2013-9999			
Frequency of the monitoring	Yearly			
Type of monitoring	In-situ sampling land/beach			
Indicators to which the programme contributes	10.1.1 - Number of litter items per 100m beach			

MONITORING PROGRAMME	BLKRO-D10_PressureMarEnv_14 - Litter - characteristics and abundance/volume on coast, water surface, seabed
Introduction/overview of programme	Monitoring in transects, covering the Romanian shelf waters (along with demersal fish monitoring)
Purpose of programme	Pressures in the marine environment
Monitoring details	Data collected are usable in the MSFD monitoring for assessing the litter on the seafloor (alterations of seabed habitats), thus for establishing/updating targets and GES

The screenshot shows a web browser window with the URL cdr.eionet.europa.eu/Converters/run_conversion?file=ro/eu/msfd_art17/2020reporting/xmldata/envx9idmq/ART11_RO_MONprog_v10.12.2020.... The page displays monitoring details for the program BLKRO-D10_PressureMarEnv_14. The details are as follows:

- Temporal Scope:** 2013-9999
- Spatial Scope:** Territorial waters
- Marine Reporting Unit:** BLK_RO_RG_MT01
- Monitoring Purpose:** Pressures in the marine environment
- Monitoring Type:** In-situ sampling offshore
- Monitoring Details:** Data collected are usable in the MSFD monitoring for assessing the litter on the seafloor (alterations of seabed habitats), thus for establishing/updating targets and GES
- Monitoring Method:** Other monitoring method
- Monitoring Method Other:** JRC, 2013. Guidance on Monitoring of marine litter in European Seas. A guidance document within the Common Implementation Strategy for the Marine Strategy Framework Directive. MSFD Technical Subgroup on Marine Litter. 128 p <http://publications.jrc.ec.europa.eu/repository/bitstream/JRC83985/lb-na-26113-en-n.pdf>; Black Sea Commission, 2009, Marine Litter in the Black Sea Region. Black Sea Commission Publications http://www.blacksea-commission.org/_publ-ML.asp;
- Quality Control:** No validation of data



Ecosystem components, anthropogenic pressures and activities monitored	Litter in the environment			
	Elements monitored	Litter in the environment		
		GES criteria addressed	D10C1 Litter (excluding micro-litter)	
	Parameters monitored	Amount on seabed		
Spatial zones monitored	Territorial waters			
Start(and end) date of the programme	2013-9999			
Frequency of the monitoring	Yearly			
Type of monitoring	In-situ sampling offshore			
Indicators to which the programme contributes	10.1.2 - Weight of litter per m2 of seabed			



MONITORING STRATEGY	D3 COMMERCIAL FISH AND SHELLFISH
Description of the monitoring strategy	Monitoring in transects perpendicular to coast; Monitoring the fishing practiced along of the coastline
Description of the gaps and plans to complete the implementation of monitoring	Data collected in the frames of CFP-DC-MAP, Habitats, BSC will be used in the MSFD monitoring to assess the state of the fish population and to improve existing targets
Monitoring programmes that contribute to this strategy	BLKRO-D3_Mobile SpeciesFish_09 BLKRO-D3_Mobile SpeciesFish_11 BLKRO-D1,3_Mobile SpeciesFish_13

MONITORING PROGRAMME	BLKRO-D3_Mobile SpeciesFish_09 - Mobile species – distribution, abundance and/or biomass
Introduction/overview of programme	Monitoring in transects perpendicular to coast; Monitoring the fishing practiced along of the coastline.
Purpose of programme	Environmental state and impacts
Other EU or international policies to which programme contributes	Data Collection Framework Multi-Annual Plan (Common Fisheries Policy), Habitats Directive, BSC Integrated Monitoring and Assessment Programme
Monitoring details	Data collected in the frames of CFP-DC-MAP, Habitats, BSC will be used in the MSFD monitoring to assess the state of the fish population and to improve existing targets.



Ecosystem components, anthropogenic pressures and activities monitored	Commercially exploited fish and shellfish			
	Elements monitored	Sprattus sprattus		
		GES criteria addressed	D3C2 Spawning stock biomass (SSB)	Parameters monitored
Spatial zones monitored	EEZ (or similar)			
Start(and end) date of the programme	2000-9999			
Frequency of the monitoring	6-monthly			
Type of monitoring	In-situ sampling coastal, In-situ sampling offshore			
Indicators to which the programme contributes	3.2 - Spawning stock biomass			

MONITORING PROGRAMME	BLKRO-D3_Mobile SpeciesFish_11 - Mobile species – population characteristics
Introduction/overview of programme	Monitoring in transects perpendicular to coast; Monitoring the fishing practiced along of the coastline.
Purpose of programme	Environmental state and impacts
Other EU or international policies to which programme contributes	Data Collection Framework Multi-Annual Plan (Common Fisheries Policy), Habitats Directive, BSC Integrated Monitoring and Assessment Programme
Monitoring details	Data collected in the frames of CFP-DC-MAP, Habitats, BSC will be used in the MSFD monitoring to assess the state of the fish population and to improve existing targets.



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BLKRO-D5_PressureMarEnv_02 - Nutrient and organic matter levels - in water column

BLKRO-D10_PressureMarEnv_13 - Litter - characteristics and abundance/volume on coast, water surface, seabed

BLKRO-D10_PressureMarEnv_14 - Litter - characteristics and abundance/volume on coast, water surface, seabed

BLKRO-D3_Mobile SpeciesFish_09 - Mobile species – distribution, abundance and/or biomass

BLKRO-D3_Mobile SpeciesFish_11 - Mobile species – population characteristics

BLKRO-D1_3_Mobile SpeciesFish_13 - Mobile species – mortality/injury rates from fisheries (targeted and/or incidental)

BLKRO-D1_Mobile SpeciesMammals_04 - Mobile species – mortality/injury rates from fisheries (targeted and/or incidental)

BLKRO-D1,2,4_Mobile SpeciesFish_08 - Mobile species – distribution, abundance

Temporal Scope 2000-9999

Spatial Scope EEZ (or similar)

Marine Reporting Unit BLK_RO_RG_CT
BLK_RO_RG_TT03
BLK_RO_RG_MT01

Monitoring Purpose Environmental state and impacts

Monitoring Type In-situ sampling coastal
In-situ sampling offshore

Monitoring Details Data collected in the frames of CFP-DC-MAP, Habitats, BSC will be used in the MSFD monitoring to assess the state of the fish population and to improve existing targets.

Monitoring Method Other monitoring method

Monitoring Method Other Romanian National Programme for data collection and management of fisheries data 2014-2020 http://www.rmri.ro/Home/Downloads/Publications.Other/Fishery_data_collection_ro.pdf

Quality Control According to ICES WKACCU Report, 2008 (Romanian National Programme for data collection and management of fisheries data 2011-2013) GFCM, 2018. GFCM Data Collection Reference Framework (DCRF), Version: 19.1;

Ecosystem components, anthropogenic pressures and activities monitored	Commercially exploited fish and shellfish		
	Elements monitored	Sprattus sprattus	
		GES criteria addressed	D3C3 Population age/size distribution
		Parameters monitored	Age distribution
	Engraulis encrasicolus		
	GES criteria addressed	D3C3 Population age/size distribution	
	Parameters monitored	Age distribution	
Spatial zones monitored	EEZ (or similar)		
Start(and end) date of the programme	2000-9999		
Frequency of the monitoring	6-monthly		
Type of monitoring	In-situ sampling coastal, In-situ sampling offshore		
Indicators to which the programme contributes	3.3 - Age of first sexual maturity stage		



MONITORING PROGRAMME	BLKRO-D1,3_Mobile SpeciesFish_13 - Mobile species – mortality/injury rates from fisheries (targeted and/or incidental)
Introduction/overview of programme	Monitoring in transects perpendicular to coast; Monitoring the fishing practiced along of the coastline.
Purpose of programme	Environmental state and impacts
Other EU or international policies to which programme contributes	Data Collection Framework Multi-Annual Plan (Common Fisheries Policy), Habitats Directive, BSC Integrated Monitoring and Assessment Programme
Monitoring details	Data collected in the frames of CFP-DC-MAP, BSC will be used in the MSFD monitoring to assess the state of the fish population and to improve existing targets. Romania will use the data from completed logbooks, for the parameters on fishing effort by techniques. Additional, in ports and fishery points will be distributed questionnaires.

The screenshot shows a web browser window with the URL cdr.eionet.europa.eu/Converters/run_conversion?file=ro/eu/msfd_art17/2020reporting/xmldata/envx9idmg/ART11_RO_MONprog_v10.12.2020.... The page displays configuration details for a monitoring component:

- Temporal Scope:** 2000-9999
- Spatial Scope:** EEZ (or similar)
- Marine Reporting Unit:** BLK_RO_RG_CT, BLK_RO_RG_TT03, BLK_RO_RG_MT01
- Monitoring Purpose:** Environmental state and impacts
- Monitoring Type:** In-situ sampling coastal, In-situ sampling offshore
- Monitoring Details:** Data collected in the frames of CFP-DC-MAP, BSC will be used in the MSFD monitoring to assess the state of the fish population and to improve existing targets. Romania will use the data from completed logbooks, for the parameters on fishing effort by techniques. Additional, in ports and fishery points will be distributed questionnaires.
- Monitoring Method:** Other monitoring method
- Monitoring Method Other:** Romanian National Programme for data collection and management of fisheries data 2014-2020 http://www.rmri.ro/Home/Downloads/Publications.Other/Fishery_data_collection_ro.pdf
- Quality Control:** According to ICES WKACCU Report, 2008 (Romanian National Programme for data collection and

Ecosystem components, anthropogenic pressures and activities monitored	Commercially exploited fish and shellfish		
	Elements monitored	Sprattus sprattus	
		GES criteria addressed	D3C1 Fishing mortality rate (F)
		Parameters monitored	Mortality rate
		Engraulis encrasicolus	
		GES criteria addressed	D3C1 Fishing mortality rate (F)
	Parameters monitored	Mortality rate	



		Squalus acanthias	
		GES criteria addressed	D3C1 Fishing mortality rate (F)
			Parameters monitored
		Merlangius merlangus	
		GES criteria addressed	D3C1 Fishing mortality rate (F)
			Parameters monitored
		Mullus barbatus	
		GES criteria addressed	D3C1 Fishing mortality rate (F)
			Parameters monitored
	Demersal shelf fish		
	Elements monitored	Squalus acanthias	
		GES criteria addressed	D1C1 Mortality rate from incidental by-catch
Parameters monitored			Mortality rate
Merlangius merlangus			
GES criteria addressed		D1C1 Mortality rate from incidental by-catch	
		Parameters monitored	Mortality rate
Spatial zones monitored	EEZ (or similar)		
Start(and end) date of the programme	2000-9999		
Frequency of the monitoring	Monthly		
Type of monitoring	In-situ sampling coastal, In-situ sampling offshore		
Indicators to which the programme contributes	3.1 - Fishing mortality rate, 1.1.2 - Fishing mortality rate in marine waters		



MONITORING STRATEGY	D11 ENERGY, INCLUDING UNDERWATER NOISE
Description of the monitoring strategy	Descriptor 11 on Romanian territorial waters is at the beginning. So far, the initial state has been achieved on water bodies for 2016 - 2017 period. For Descriptor 11, the good ecological status and threshold levels for underwater noise were Not assessed.
Description of the gaps and plans to complete the implementation of monitoring	The impulse noise register has begun. The inventory of the sources of impulsive noise is necessary for the creation of Impulse Noise Registers on the Romanian Black Sea shelf. This inventory is a first step in setting current levels and trends, as recommended by the MSFD -TG Noise Technical Group. For D11C1, good ecological status and threshold levels for underwater noise were Not assessed. D11C2 in Romanian territorial waters is at the beginning. So far, the initial state of D11 has been achieved on water bodies. The underwater noise was monitored with specific equipment. The results indicate that the current noise level on the Romanian Black Sea continental shelf justifies further investigations. For D11C2, good ecological status and threshold levels for underwater noise were not defined.
Monitoring programmes that contribute to this strategy	BLKRO-D11_PressureMarEnv_15 BLKRO-D11_PressureMarEnv_16

MONITORING PROGRAMME	BLKRO-D11_PressureMarEnv_15 - Impulsive underwater noise - distribution, frequency and levels
Introduction/overview of programme	Descriptor 11 on Romanian territorial waters is at the beginning. So far, the initial state has been achieved on water bodies for 2016 - 2017 period. For Descriptor 11, the good ecological status and threshold levels for underwater noise were Not assessed. The impulse noise register has begun. The inventory of the sources of impulsive noise is necessary for the creation of Impulse Noise Registers on the Romanian Black Sea shelf. This inventory is a first step in setting current levels and trends, as recommended by the MSFD -TG Noise Technical Group. For D11C1, good ecological status and threshold levels for underwater noise were Not assessed.
Purpose of programme	Pressures in the marine environment
Monitoring details	



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characteristics

- BLKRO-D1,2,4_WaterColumn_05 - Pelagic habitats – community characteristics
- BLKRO-D1,6,7_SeabedHabitats_02 - Seabed habitats - physical and chemical characteristics
- BLKRO-D2_PressureMarEnv_01 - Non-indigenous species - abundance and/or biomass
- BLKRO-D1,4,6_SeabedHabitats_01 - Seabed habitats - distribution and extent
- BLKRO-D1,2,3,4,6_SeabedHabitats_05 - Seabed habitats - community characteristics
- BLKRO-D11_PressureMarEnv_15 - Impulsive underwater noise - distribution, frequency and levels
- BLKRO-D11_PressureMarEnv_16 - Continuous underwater noise - distribution, frequency and levels

Implementation

Temporal Scope: 2016-9999

Spatial Scope: Territorial waters

Marine Reporting Unit: BLK_RO_RG_MT01

Monitoring Purpose: Pressures in the marine environment

Monitoring Type: In-situ sampling offshore

Monitoring Details:

Monitoring Method: Guidance on monitoring impulsive underwater noise

Monitoring Method Other:

Quality Control: No validation of data

Monitoring Frequency: As needed

Ecosystem components, anthropogenic pressures and activities monitored	Impulsive sound in water			
	Elements monitored	Not Applicable		
		GES criteria addressed	D11C1 Anthropogenic impulsive sound	
		Parameters monitored	Level of sound	
Spatial zones monitored	Territorial waters			
Start(and end) date of the programme	2016-9999			
Frequency of the monitoring	As needed			
Type of monitoring	In-situ sampling offshore			

MONITORING PROGRAMME	BLKRO-D11_PressureMarEnv_16 - Continuous underwater noise - distribution, frequency and levels
Introduction/overview of programme	Descriptor 11 on Romanian territorial waters is at the beginning. So far, the initial state has been achieved on water bodies for 2016 - 2017 period. For Descriptor 11, the good ecological status and threshold levels for underwater noise were Not assessed. D11C2 in Romanian territorial waters is at the beginning. So far, the initial state of D11 has been achieved on water bodies. The underwater noise was monitored with specific equipment. The results indicate that the current noise level on the Romanian Black Sea continental shelf justifies further investigations. For D11C2, good ecological status and threshold levels for underwater noise were not defined.
Purpose of programme	Pressures in the marine environment



Monitoring details

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characteristics

- BLKRO-D1.2.4_WaterColumn_05 - Pelagic habitats – community characteristics
- BLKRO-D1.6.7_SeabedHabitats_02 - Seabed habitats - physical and chemical characteristics
- BLKRO-D2_PressureMarEnv_01 - Non-indigenous species - abundance and/or biomass
- BLKRO-D1.4.6_SeabedHabitats_01 - Seabed habitats - distribution and extent
- BLKRO-D1.2.3.4.6_SeabedHabitats_05 - Seabed habitats - community characteristics
- BLKRO-D11_PressureMarEnv_15 - Impulsive underwater noise - distribution, frequency and levels
- BLKRO-D11_PressureMarEnv_16 - Continuous underwater noise - distribution, frequency and levels

Temporal Scope 2016-9999

Spatial Scope Territorial waters

Marine Reporting Unit BLK_RO_RG_MT01

Monitoring Purpose Pressures in the marine environment

Monitoring Type In-situ sampling offshore

Monitoring Details

Monitoring Method Guidance on monitoring continuous underwater noise

Monitoring Method Other

Quality Control No validation of data

Monitoring Frequency As needed

Data

Ecosystem components, anthropogenic pressures and activities monitored	Continuous low frequency sound		
	Elements monitored	Not Applicable	
		GES criteria addressed	D11C2 Anthropogenic continuous low-frequency sound
		Parameters monitored	Underwater sound level
Spatial zones monitored	Territorial waters		
Start(and end) date of the programme	2016-9999		
Frequency of the monitoring	As needed		
Type of monitoring	In-situ sampling offshore		



MONITORING STRATEGY	D1 BIODIVERSITY - MAMMALS
Description of the monitoring strategy	Monitoring of number of incidents on the beaches along the coast; Monitoring by quantifying bycatch (or damage) on a fishery-by-fishery basis.
Description of the gaps and plans to complete the implementation of monitoring	Incidental caught and stranded individuals are investigated all around the year (not regularly), in different sites.
Monitoring programmes that contribute to this strategy	BLKRO-D1_Mobile SpeciesMammals_04

MONITORING PROGRAMME	BLKRO-D1_Mobile SpeciesMammals_04 - Mobile species – mortality/injury rates from fisheries (targeted and/or incidental)
Introduction/overview of programme	Monitoring of number of incidents on the beaches along the coast; Monitoring by quantifying bycatch (or damage) on a fishery-by-fishery basis
Purpose of programme	Environmental state and impacts
Other EU or international policies to which programme contributes	Habitats Directive
Monitoring details	Incidental caught and stranded individuals are investigated all around the year (not regularly), in different sites

The screenshot displays a web interface for configuring monitoring programmes. The left sidebar lists several programmes, including 'BLKRO-D1,3_Mobile SpeciesFish_13 - Mobile species – mortality/injury rates from fisheries (targeted and/or incidental)', 'BLKRO-D1_Mobile SpeciesMammals_04 - Mobile species – mortality/injury rates from fisheries (targeted and/or incidental)', and others. The main content area shows the configuration for 'BLKRO-D1_Mobile SpeciesMammals_04' with the following details:

- Implementation:**
 - Temporal Scope: 2010-9999
 - Spatial Scope: Terrestrial part of MS, Territorial waters
 - Marine Reporting Unit: BLK_RO_RG_MT01
 - Monitoring Purpose: Environmental state and impacts
 - Monitoring Type: Visual observation, Administrative data collection
 - Monitoring Details: Incidental caught and stranded individuals are investigated all around the year (not regularly), in different sites
 - Monitoring Method: Other monitoring method
 - Monitoring Method Other: Draft Protocol for data collection on bycatch and depredation in the ACCOBAMS Region, 2008
 - Quality Control: No validation on the data
 - Monitoring Frequency: As needed
 - Data Management: (field visible but content not fully legible)



Ecosystem components, anthropogenic pressures and activities monitored	Small toothed cetaceans			
	Elements monitored	Delphinus delphis		
		GES criteria addressed	D1C1 Mortality rate from incidental by-catch	
			Parameters monitored	Mortality (weight/volume; number of individuals)
		Phocoena phocoena		
		GES criteria addressed	D1C1 Mortality rate from incidental by-catch	
			Parameters monitored	Mortality (weight/volume; number of individuals)
		Tursiops truncatus		
		GES criteria addressed	D1C1 Mortality rate from incidental by-catch	
			Parameters monitored	Mortality (weight/volume; number of individuals)
Spatial zones monitored	Terrestrial part of MS, Territorial waters			
Start (and end) date of the programme	2010-9999			
Frequency of the monitoring	As needed			
Type of monitoring	Visual observation, Administrative data collection			
Indicators to which the programme contributes	1.1 - Mortality rate from incidental by-catch			



MONITORING STRATEGY	D1 Biodiversity - reptiles
Description of the monitoring strategy	Descriptor not relevant for Member State's waters
Description of the gaps and plans to complete the implementation of monitoring	Monitoring for this descriptor is not relevant

MONITORING STRATEGY	D1 Biodiversity - birds
Description of the monitoring strategy	Descriptor not relevant for Member State's waters
Description of the gaps and plans to complete the implementation of monitoring	Monitoring for this descriptor is not relevant

MONITORING STRATEGY	D1 Biodiversity - cephalopods
Description of the monitoring strategy	Descriptor not relevant for Member State's waters
Description of the gaps and plans to complete the implementation of monitoring	Monitoring for this descriptor is not relevant

MONITORING STRATEGY	D4 FOOD WEBS/D1 BIODIVERSITY - ECOSYSTEMS
Description of the monitoring strategy	Lack of data. For Descriptor 4, the good ecological status and threshold levels were Not assessed.
Description of the gaps and plans to complete the implementation of monitoring	Lack of data



MONITORING STRATEGY	D1 BIODIVERSITY - FISH
Description of the monitoring strategy	Monitoring in transects perpendicular to coast; Monitoring the fishing practiced along of the coastline.
Description of the gaps and plans to complete the implementation of monitoring	Data collected in the frame of CFP-DC-MAP and BSC will be used in the MSFD monitoring to assess the fish mortality/injury rates from fisheries (targeted and/or incidental)
Monitoring programmes that contribute to this strategy	BLKRO-D1,2,4_Mobile SpeciesFish_08 BLKRO-D1, 4_Mobile SpeciesFish_10 BLKRO-D1,3_Mobile SpeciesFish_13

MONITORING PROGRAMME	BLKRO-D1,2,4_Mobile SpeciesFish_08 - Mobile species – distribution, abundance and/or biomass
Introduction/overview of programme	Monitoring in transects perpendicular to coast; monitoring the fishing practiced along of the coastline
Purpose of programme	Environmental state and impacts
Other EU or international policies to which programme contributes	Data Collection Framework Multi-Annual Plan (Common Fisheries Policy), General Fisheries Commission for the Mediterranean
Monitoring details	Data collected in the frames of Habitats, BSC will be used in the MSFD monitoring to assess the state of the fish population and to provide GES and targets

The screenshot shows a web browser window with the URL cdr.eionet.europa.eu/Converters/run_conversion?file=ro/eu/msfd_art17/2020reporting/xmldata/envx9idmq/ART11_RO_MONprog_v10.12.2020.... The page displays a configuration form for a monitoring programme. The sidebar on the left lists several monitoring programmes, with 'BLKRO-D1,2,4_Mobile SpeciesFish_08 - Mobile species – distribution, abundance and/or biomass' selected. The main content area contains the following fields:

- Temporal Scope:** 2000-9999
- Spatial Scope:** EEZ (or similar)
- Marine Reporting Unit:** BLK_RO_RG_MT01
- Monitoring Purpose:** Environmental state and impacts
- Monitoring Type:** In-situ sampling offshore, Administrative data collection
- Monitoring Details:** Data collected in the frames of Habitats, BSC will be used in the MSFD monitoring to assess the state of the fish population and to provide GES and targets
- Monitoring Method:** Other monitoring method
- Monitoring Method Other:** Romanian National Programme for data collection and management of fisheries data 2014-2020 http://www.mri.ro/Home/Downloads/Publications.Other/Fishery_data_collection_ro.pdf
- Quality Control:** According to ICES WKACCU Report, 2008 (Romanian National Programme for data collection and management of fisheries data 2011-2013) GFCM, 2018. GFCM Data Collection Reference Framework (DCRF), Version: 19.1;



Ecosystem components, anthropogenic pressures and activities monitored	Demersal shelf fish			
	Elements monitored	Squalus acanthias		
		GES criteria addressed	D1C2 Population abundance	
			Parameters monitored	BIOM-SSB
		Merlangius merlangus		
GES criteria addressed	D1C2 Population abundance			
	Parameters monitored	BIOM-SSB		
Spatial zones monitored	EEZ (or similar)			
Start(and end) date of the programme	2000-9999			
Frequency of the monitoring	6-monthly			
Type of monitoring	In-situ sampling offshore, Administrative data collection			
Indicators to which the programme contributes	1.2.2 - Spawning stock abundance			

MONITORING PROGRAMME	BLKRO-D1, 4_Mobile SpeciesFish_10 - Mobile species – population characteristics
Introduction/overview of programme	Monitoring in transects perpendicular to coast; monitoring the fishing practiced along of the coastline.
Purpose of programme	Environmental state and impacts
Other EU or international policies to which programme contributes	Data Collection Framework Multi-Annual Plan (Common Fisheries Policy), General Fisheries Commission for the Mediterranean
Monitoring details	Data collected in the frames of Habitats, BSC will be used in the MSFD monitoring to assess the state of the fish population and to provide GES and targets.



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2000-9999

Spatial Scope EEZ (or similar)

Marine Reporting Unit BLK_RO_RG_MT01

Monitoring Purpose Environmental state and impacts

Monitoring Type In-situ sampling offshore
Administrative data collection

Monitoring Details Data collected in the frames of Habitats, BSC will be used in the MSFD monitoring to assess the state of the fish population and to provide GES and targets.

Monitoring Method Other monitoring method

Monitoring Method Other Romanian National Programme for data collection and management of fisheries data 2014-2020
http://www.rmri.ro/Home/Downloads/Publications.Other/Fishery_data_collection_ro.pdf

Quality Control according to ICES WKACCU Report, 2008 (Romanian National Programme for data collection and management of fisheries data 2011-2013) GFCM, 2018. GFCM Data Collection Reference Framework (DCRF), Version: 19.1;

Monitoring Frequency 6-monthly

Ecosystem components, anthropogenic pressures and activities monitored	Demersal shelf fish		
	Elements monitored	Squalus acanthias	
		GES criteria addressed	D1C3 Population demographic characteristics
		Parameters monitored	Age distribution
		Merlangius merlangus	
		GES criteria addressed	D1C3 Population demographic characteristics
	Parameters monitored	Age distribution	
Spatial zones monitored	EEZ (or similar)		
Start(and end) date of the programme	2000-9999		
Frequency of the monitoring	6-monthly		
Type of monitoring	In-situ sampling offshore, Administrative data collection		
Indicators to which the programme contributes	1.3 - Age of the first maturity stage		



MONITORING PROGRAMME	BLKRO-D1,3_Mobile SpeciesFish_13 - Mobile species – mortality/injury rates from fisheries (targeted and/or incidental)
Introduction/overview of programme	Monitoring in transects perpendicular to coast; Monitoring the fishing practiced along of the coastline.
Purpose of programme	Environmental state and impacts
Other EU or international policies to which programme contributes	Data Collection Framework Multi-Annual Plan (Common Fisheries Policy), Habitats Directive, BSC Integrated Monitoring and Assessment Programme
Monitoring details	Data collected in the frames of CFP-DC-MAP, BSC will be used in the MSFD monitoring to assess the state of the fish population and to improve existing targets. Romania will use the data from completed logbooks, for the parameters on fishing effort by techniques. Additional, in ports and fishery points will be distributed questionnaires.

Ecosystem components, anthropogenic pressures and activities monitored	Commercially exploited fish and shellfish			
	Elements monitored	Sprattus sprattus		
		GES criteria addressed	D3C1 Fishing mortality rate (F)	Mortality rate
			Parameters monitored	
	Engraulis encrasicolus			
	GES criteria addressed	D3C1 Fishing mortality rate (F)	Mortality rate	
		Parameters monitored		
Squalus acanthias				
GES criteria addressed	D3C1 Fishing mortality rate (F)	Mortality rate		
	Parameters monitored			



		Merlangius merlangus	
		GES criteria addressed	D3C1 Fishing mortality rate (F)
			Parameters monitored
		Mullus barbatus	
		GES criteria addressed	D3C1 Fishing mortality rate (F)
			Parameters monitored
	Demersal shelf fish		
	Elements monitored	Squalus acanthias	
		GES criteria addressed	D1C1 Mortality rate from incidental by-catch
			Parameters monitored
GES criteria addressed		D1C1 Mortality rate from incidental by-catch	
	Parameters monitored	Mortality rate	
Spatial zones monitored	EEZ (or similar)		
Start(and end) date of the programme	2000-9999		
Frequency of the monitoring	Monthly		
Type of monitoring	In-situ sampling coastal, In-situ sampling offshore		
Indicators to which the programme contributes	3.1 - Fishing mortality rate, 1.1.2 - Fishing mortality rate in marine waters		



MONITORING STRATEGY	D1 BIODIVERSITY – PELAGIC HABITATS
Description of the monitoring strategy	Monitoring activities cover entire Romanian shelf, either waters strongly affected by the Danube's inputs and coastal activities or marine waters, less affected by human induced eutrophication (to emphasize the natural variability of planktonic communities); Monitoring on a coastal station (Cazino Mamaia) to assess trends based on long-term data series.
Description of the gaps and plans to complete the implementation of monitoring	Data collected are useful to MSFD monitoring for assessing the pelagic community characteristics; data are usable in establishing/updating the environmental targets. Needs improvement of sampling frequency.
Monitoring programmes that contribute to this strategy	BLKRO-D1,2,4,5_WaterColumn_04 BLKRO-D1,2,4_WaterColumn_05

MONITORING PROGRAMME	BLKRO-D1,2,4,5_WaterColumn_04 - Pelagic habitats – community characteristics
Introduction/overview of programme	Monitoring activities cover entire Romanian shelf, either waters strongly affected by the Danube's inputs and coastal activities or marine waters, less affected by human induced eutrophication (to emphasize the natural variability of planktonic communities); Monitoring on a coastal station (Cazino Mamaia) to assess trends based on long-term data series.
Purpose of programme	Environmental state and impacts
Other EU or international policies to which programme contributes	Habitats Directive, Water Framework Directive
Monitoring details	Data collected are useful to MSFD monitoring for assessing the phytoplankton community characteristics; data are usable in establishing/updating the environmental targets.



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Temporal Scope: 1960-9999

Spatial Scope: Territorial waters

Marine Reporting Unit: BLK_RO_RG_CT, BLK_RO_RG_TT03, BLK_RO_RG_MT01

Monitoring Purpose: Environmental state and impacts

Monitoring Type: In-situ sampling coastal, In-situ sampling offshore

Monitoring Details: Data collected are useful to MSFD monitoring for assessing the phytoplankton community characteristics; data are usable in establishing/updating the environmental targets.

Monitoring Method: Black Sea: Manual for Phytoplankton Sampling and Analysis in the Black Sea (link not working), Black Sea: Guidelines for Quality Control of Biological Data – Phytoplankton (link not working)

Monitoring Method Other:

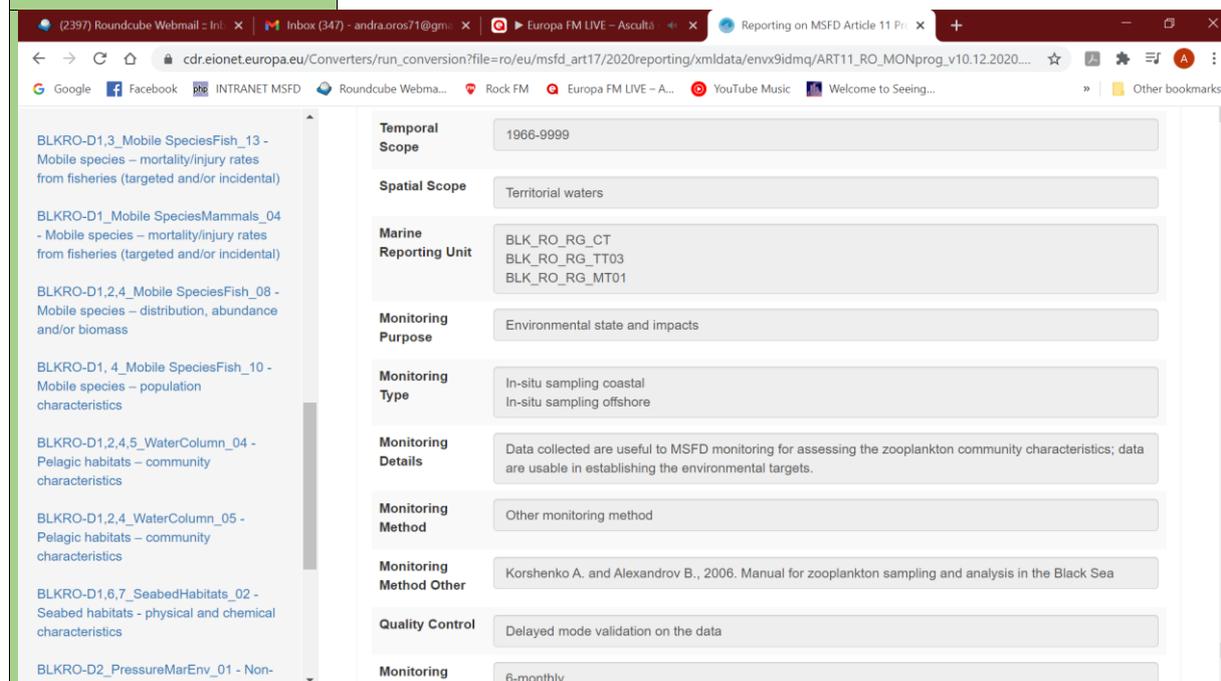
Quality Control: According to Black Sea guidelines

Monitoring: 6-monthly

Ecosystem components, anthropogenic pressures and activities monitored	Pelagic broad habitats			
	Elements monitored	Shelf pelagic habitat		
		GES criteria addressed	D1C6 Pelagic habitat condition	
			Parameters monitored	BIOM-Phytoplankton
	Coastal pelagic habitat			
	GES criteria addressed	D1C6 Pelagic habitat condition		
		Parameters monitored	BIOM-Phytoplankton	
	Variable salinity pelagic habitat			
	GES criteria addressed	D1C6 Pelagic habitat condition		
Parameters monitored		BIOM-Phytoplankton		
Spatial zones monitored	Territorial waters			
Start(and end) date of the programme	1960-9999			
Frequency of the monitoring	6-monthly			
Type of monitoring	In-situ sampling coastal, In-situ sampling offshore			
Indicators to which the programme contributes	1.6.1 - Phytoplankton biomass			



MONITORING PROGRAMME	BLKRO-D1,2,4_WaterColumn_05 - Pelagic habitats – community characteristics
Introduction/overview of programme	Monitoring activities cover entire Romanian shelf, either waters strongly affected by the Danube’s inputs and coastal activities or marine waters, less affected by human induced eutrophication (to emphasize the natural variability of planktonic communities)
Purpose of programme	Environmental state and impacts
Other EU or international policies to which programme contributes	Habitats Directive
Monitoring details	Data collected are useful to MSFD monitoring for assessing the zooplankton community characteristics; data are usable in establishing the environmental targets.



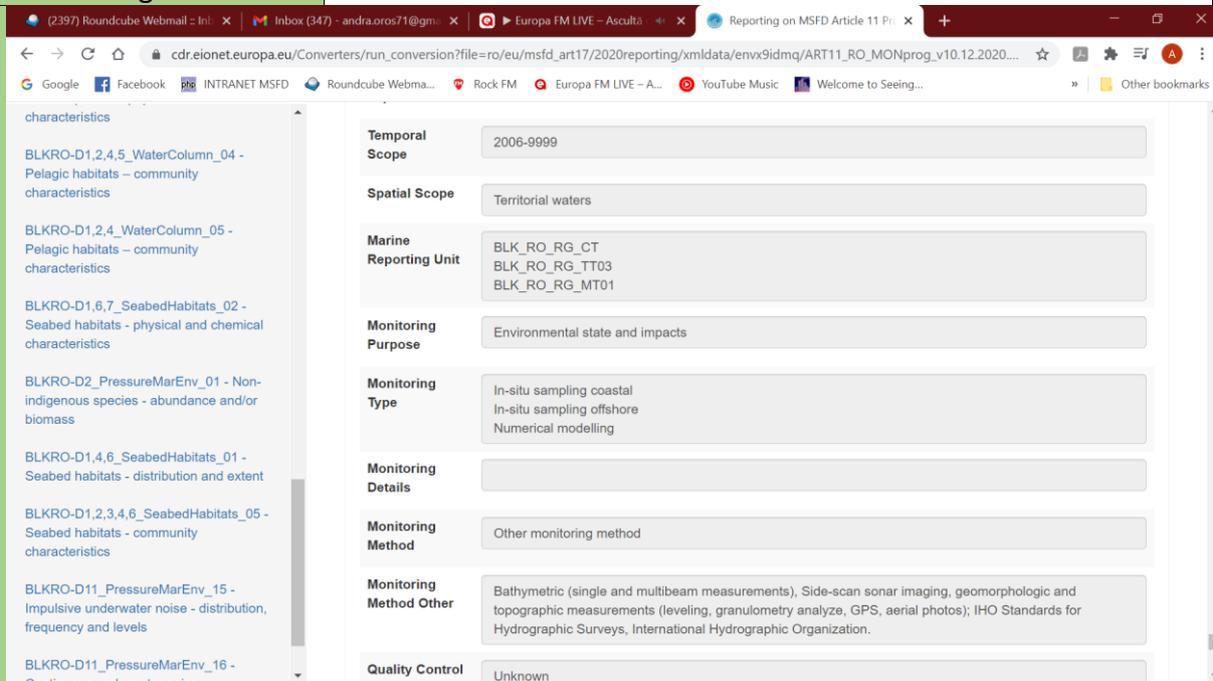
Ecosystem components, anthropogenic pressures and activities monitored	Pelagic broad habitats			
	Elements monitored	Shelf pelagic habitat		
		GES criteria addressed	D1C6 Pelagic habitat condition	
			Parameters monitored	BIOM-Zooplankton
		Coastal pelagic habitat		
		GES criteria addressed	D1C6 Pelagic habitat condition	
			Parameters monitored	BIOM-Zooplankton
		Variable salinity pelagic habitat		
		GES criteria addressed	D1C6 Pelagic habitat condition	
Parameters monitored			BIOM-Zooplankton	



Spatial zones monitored	Territorial waters
Start(and end) date of the programme	1966-9999
Frequency of the monitoring	6-monthly
Type of monitoring	In-situ sampling coastal, In-situ sampling offshore
Indicators to which the programme contributes	1.6.2 - Zooplankton biomass



MONITORING STRATEGY	D7 HYDROGRAPHICAL CHANGES
Description of the monitoring strategy	Monitoring in transects covering the Romanian shelf waters; monitoring in relation to the relevant habitat distribution
Description of the gaps and plans to complete the implementation of monitoring	Data collected in the frame of WFD, Habitats and BSC are useful in the MSFD monitoring to assess the physical characteristics of the seabed habitats
Monitoring programmes that contribute to this strategy	BLKRO-D1,6,7_SeabedHabitats_02

MONITORING PROGRAMME	BLKRO-D1,6,7_SeabedHabitats_02 - Seabed habitats - physical and chemical characteristics							
Introduction/overview of programme	Monitoring in transects covering the Romanian shelf waters; monitoring in relation to the relevant habitat distribution							
Purpose of programme	Environmental state and impacts							
Monitoring details								
Ecosystem components, anthropogenic pressures and activities monitored	Benthic broad habitats	<table border="1"> <tr> <td style="background-color: #fce4d6;">Elements monitored</td> <td>Infralittoral sand</td> </tr> <tr> <td style="background-color: #fce4d6;">GES criteria addressed</td> <td>D7C2 Adverse effects from alteration of hydrographical conditions</td> </tr> <tr> <td style="background-color: #fce4d6;">Parameters monitored</td> <td>Extent</td> </tr> </table>	Elements monitored	Infralittoral sand	GES criteria addressed	D7C2 Adverse effects from alteration of hydrographical conditions	Parameters monitored	Extent
Elements monitored	Infralittoral sand							
GES criteria addressed	D7C2 Adverse effects from alteration of hydrographical conditions							
Parameters monitored	Extent							



		Circalittoral sand	
		GES criteria addressed	D7C2 Adverse effects from alteration of hydrographical conditions
		Parameters monitored	Extent
		Circalittoral mud	
		GES criteria addressed	D7C2 Adverse effects from alteration of hydrographical conditions
		Parameters monitored	Extent
		Infralittoral mud	
		GES criteria addressed	D7C2 Adverse effects from alteration of hydrographical conditions
		Parameters monitored	Extent
		Offshore circalittoral mud	
		GES criteria addressed	D7C2 Adverse effects from alteration of hydrographical conditions
		Parameters monitored	Extent
Spatial zones monitored	Territorial waters		
Start(and end) date of the programme	2006-9999		
Frequency of the monitoring	Yearly		
Type of monitoring	In-situ sampling coastal, In-situ sampling offshore, Numerical modelling		
Indicators to which the programme contributes	7.2 - Spatial extent of permanent alteration for each habitat		



MONITORING STRATEGY	D2 NON-INDIGENOUS SPECIES
Description of the monitoring strategy	Monitoring in transects perpendicular to coast, evenly distributed and around hotspots
Description of the gaps and plans to complete the implementation of monitoring	Data collected from the existing national monitoring programme are useful in the MSFD monitoring to assess the NIS pressure in the marine environment
Monitoring programmes that contribute to this strategy	BLKRO-D2_PressureMarEnv_01

MONITORING PROGRAMME	BLKRO-D2_PressureMarEnv_01 - Non-indigenous species - abundance and/or biomass
Introduction/overview of programme	Monitoring in transects perpendicular to coast, evenly distributed and around hotspots
Purpose of programme	Pressures in the marine environment
Other EU or international policies to which programme contributes	Habitats Directive
Monitoring details	Data collected from the existing national monitoring programme are useful in the MSFD monitoring to assess the NIS pressure in the marine environment



Ecosystem components, anthropogenic pressures and activities monitored	Newly-introduced non-indigenous species			
	Elements monitored	Not Applicable		
		GES criteria addressed	D2C1 Newly-introduced NIS	
	Parameters monitored		Presence	
	Established non-indigenous species			
	Elements monitored	Mnemiopsis leidyi		
		GES criteria addressed	D2C2 Established NIS	
Parameters monitored	Biomass			
Adverse effects on species or habitats				
Elements monitored	Mnemiopsis leidyi			
	GES criteria addressed	D2C3 Adverse effects of NIS		
Parameters monitored		INDEX-Biopollution index		
Spatial zones monitored	Territorial waters			
Start(and end) date of the programme	1966-9999			
Frequency of the monitoring	6-monthly			
Type of monitoring	In-situ sampling coastal, In-situ sampling offshore			
Indicators to which the programme contributes	2.1 - Number of newly introduced species, 2.2 - Mnemiopsis leidyi biomass, 2.3 - Biopollution index			



MONITORING STRATEGY	D6 SEA-FLOOR INTEGRITY/D1 BIODIVERSITY - BENTHIC HABITATS
Description of the monitoring strategy	Monitoring in transects covering the Romanian shelf waters; monitoring in relation to the relevant habitat distribution
Description of the gaps and plans to complete the implementation of monitoring	Data collected are useful to MSFD monitoring for assessing the state of seabed habitats and future trends under natural and climatic variability; usable in establishing/updating the environmental targets.
Monitoring programmes that contribute to this strategy	BLKRO-D1,4,6_SeabedHabitats_01 BLKRO-D1,2,3,4,6_SeabedHabitats_05

MONITORING PROGRAMME	BLKRO-D1,4,6_SeabedHabitats_01 - Seabed habitats - distribution and extent
Introduction/overview of programme	Monitoring in transects covering the Romanian shelf waters; monitoring in relation to the relevant habitat distribution
Purpose of programme	Environmental state and impacts
Other EU or international policies to which programme contributes	Habitats Directive
Monitoring details	Data collected are useful in the MSFD monitoring to assess the distribution and extent of the seabed habitats and, also, for improving GES and targets definitions.

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The page displays a list of monitoring programmes on the left and a detailed view of the selected programme on the right. The details include:

- Temporal Scope:** 2006-9999
- Spatial Scope:** Territorial waters
- Marine Reporting Unit:** BLK_RO_RG_CT, BLK_RO_RG_TT03, BLK_RO_RG_MT01
- Monitoring Purpose:** Environmental state and impacts
- Monitoring Type:** In-situ sampling coastal, In-situ sampling offshore
- Monitoring Details:** Data collected are useful in the MSFD monitoring to assess the distribution and extent of the seabed habitats and, also, for improving GES and targets definitions.
- Monitoring Method:** Black Sea: Manual for Quantitative Sampling and Sample Treatment of Marine Soft-Bottom Macrozoobenthos (link not working), Other monitoring method
- Monitoring Method Other:** Todorova V. and Konsulova T., 2005; Gray, J., S., McIntyre, A., D., and Štim, J., 1992
- Quality Control:** Unknown



Ecosystem components, anthropogenic pressures and activities monitored	Benthic broad habitats			
	Elements monitored	Infralittoral sand		
		GES criteria addressed	D6C4 Benthic habitat extent	
			Parameters monitored	Extent
		Circalittoral sand		
		GES criteria addressed	D6C4 Benthic habitat extent	
			Parameters monitored	Extent
		Circalittoral mud		
		GES criteria addressed	D6C4 Benthic habitat extent	
			Parameters monitored	Extent
Infralittoral mud				
GES criteria addressed	D6C4 Benthic habitat extent			
	Parameters monitored	Extent		
Offshore circalittoral mud				
GES criteria addressed	D6C4 Benthic habitat extent			
	Parameters monitored	Extent		
Spatial zones monitored	Territorial waters			
Start (and end) date of the programme	2006-9999			
Frequency of the monitoring	Yearly			
Type of monitoring	In-situ sampling coastal, In-situ sampling offshore			
Indicators to which the programme contributes	6.4 - Extent of loss of the each habitat type			

MONITORING PROGRAMME	BLKRO-D1,2,3,4,6_SeabedHabitats_05 - Seabed habitats - community characteristics
Introduction/overview of programme	Monitoring in transects covering the Romanian shelf waters; monitoring in relation to the relevant habitat distribution
Purpose of programme	Environmental state and impacts
Other EU or international policies to which programme contributes	Habitats Directive
Monitoring details	Data collected are useful to MSFD monitoring for assessing the state of seabed habitats and future trends under natural and climatic variability; usable in establishing/updating the environmental targets.



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characteristics

- BLKRO-D1,2,4,5_WaterColumn_04 - Pelagic habitats – community characteristics
- BLKRO-D1,2,4_WaterColumn_05 - Pelagic habitats – community characteristics
- BLKRO-D1,6,7_SeabedHabitats_02 - Seabed habitats - physical and chemical characteristics
- BLKRO-D2_PressureMarEnv_01 - Non-indigenous species - abundance and/or biomass
- BLKRO-D1,4,6_SeabedHabitats_01 - Seabed habitats - distribution and extent
- BLKRO-D1,2,3,4,6_SeabedHabitats_05 - Seabed habitats - community characteristics
- BLKRO-D11_PressureMarEnv_15 - Impulsive underwater noise - distribution, frequency and levels
- BLKRO-D11_PressureMarEnv_16 - Continuous underwater noise

Temporal Scope 2000-9999

Spatial Scope Territorial waters

Marine Reporting Unit BLK_RO_RG_CT
BLK_RO_RG_TT03
BLK_RO_RG_MT01

Monitoring Purpose Environmental state and impacts

Monitoring Type In-situ sampling coastal
In-situ sampling offshore

Monitoring Details Data collected are useful to MSFD monitoring for assessing the state of seabed habitats and future trends under natural and climatic variability; usable in establishing/updating the environmental targets.

Monitoring Method Black Sea: Manual for Quantitative Sampling and Sample Treatment of Marine Soft-Bottom Macrozoobenthos (link not working)

Monitoring Method Other

Quality Control Unknown

Monitoring Yearly

Ecosystem components, anthropogenic pressures and activities monitored	Elements monitored	Benthic broad habitats		
		Infralittoral sand		
		GES criteria addressed	D6C5 Benthic habitat condition	
			Parameters monitored	INDEX-M-AMBI*(n)
		Circalittoral sand		
		GES criteria addressed	D6C5 Benthic habitat condition	
			Parameters monitored	INDEX-M-AMBI*(n)
Circalittoral mud				
GES criteria addressed	D6C5 Benthic habitat condition			
	Parameters monitored	INDEX-M-AMBI*(n)		
Offshore circalittoral mud				
GES criteria addressed	D6C5 Benthic habitat condition			
	Parameters monitored	INDEX-M-AMBI*(n)		
Spatial zones monitored	Territorial waters			
Start(and end) date of the programme	2000-9999			
Frequency of the monitoring	Yearly			
Type of monitoring	In-situ sampling coastal, In-situ sampling offshore			
Indicators to which the programme contributes	6.5.2 - M-AMBI*(n)			



MONITORING PROGRAMME	BLKRO-D1,2,3,4,6_SeabedHabitats_05 - Seabed habitats - community characteristics		
Introduction/overview of programme	Monitoring in transects covering the Romanian coastal waters; monitoring in relation to the relevant habitat distribution		
Purpose of programme	Environmental state and impacts		
Other EU or international policies to which programme contributes	Habitats Directive		
Monitoring details	Data collected are useful to MSFD monitoring for assessing the state of seabed habitats and future trends under natural and climatic variability; usable in establishing/updating the environmental targets.		
Ecosystem components, anthropogenic pressures and activities monitored	Benthic broad habitats		
	Elements monitored	Infralittoral sand	
		GES criteria addressed	D6C5 Benthic habitat condition
	GES criteria addressed	Infralittoral rock and biogenic reef	
D6C5 Benthic habitat condition		Parameters monitored	INDEX EI
Spatial zones monitored	Coastal waters (WFD)		
Start(and end) date of the programme	2009-9999		
Frequency of the monitoring	Yearly		
Type of monitoring	In-situ sampling coastal		
Indicators to which the programme contributes	6.5.2 - EI		