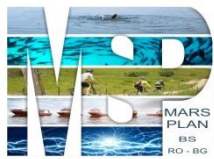


MSP activities in Black sea area and achievements of MARSPLAN-BS project

Bogdan Ghinea*, Mihaela Laurenta Alexandrov, Alina Daiana Spinu****

* Adviser at Ministry of Regional Development and Public Administration General Directorate of Regional Development and Infrastructure Policies and Strategies Department

**Black Sea – MSP Project Manager, National Institute for Marine Research and Development G.Antipa Constanta, ROMANIA

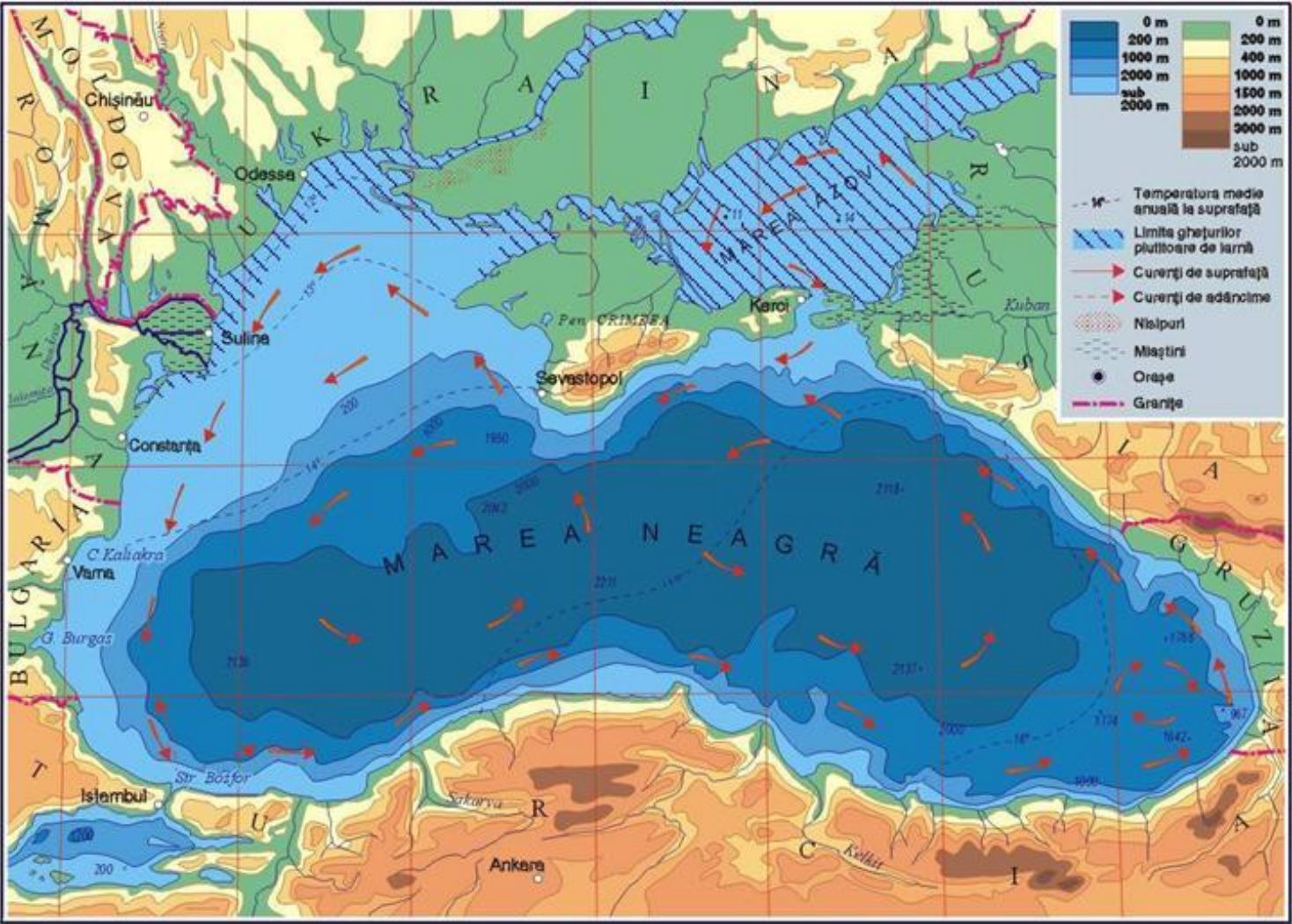


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DG MARE/2014/22





- History of MSP in the Black Sea Region
- Black Sea Study Cases
- New approaches



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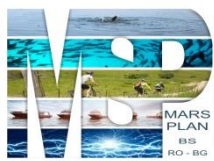
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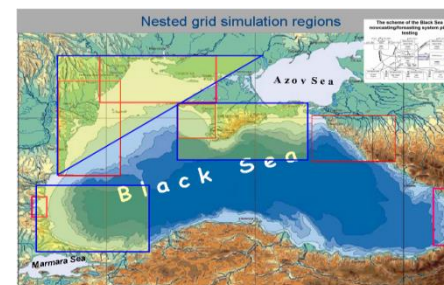
- ☐ <http://www.msp-platform.eu/sea-basins/black-sea-0>
- ☐ Bulgaria, Georgia, Moldavia, Romania, Russia, Turkey, Ukraine
- ☐ Common Natural Resources
- ☐ Shipping, offshore renewables potential, coastal tourism



DG MARE/2014/22



PlanCoast Project 2006 - 2007



Study Cases

☐ BULGARIA

- Varna

☐ ROMANIA

- Sulina

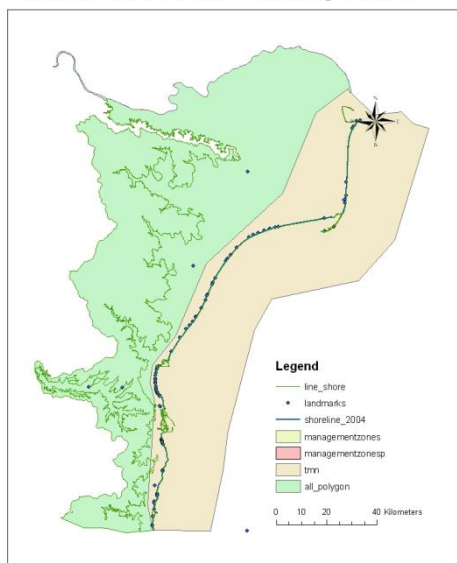
- Constanta

- 12 MM marine area

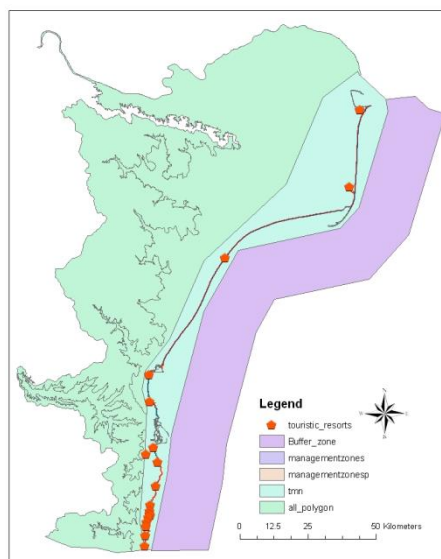
☐ UKRAINE

- Odessa Harbour

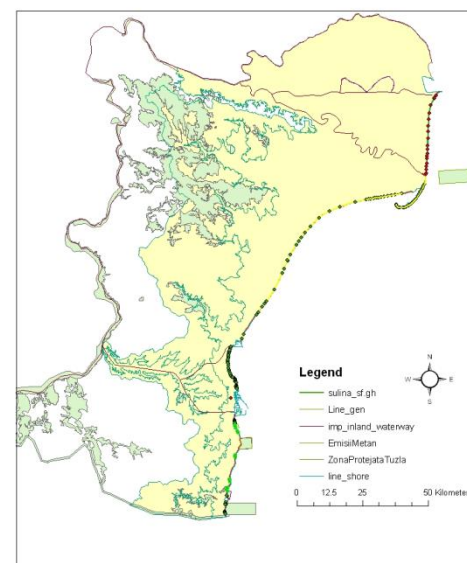
Romanian Coastal Zone - Monitoring Landmarks

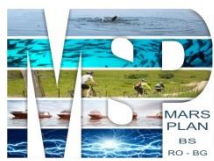


Coastal touristic resorts



Romanian Coastal Zone - Protected Areas





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Project PN 09-320302 *Preparation of the informational support and and database updating to sustain the elaboration of Integrated Maritime Spatial Planning Strategy*

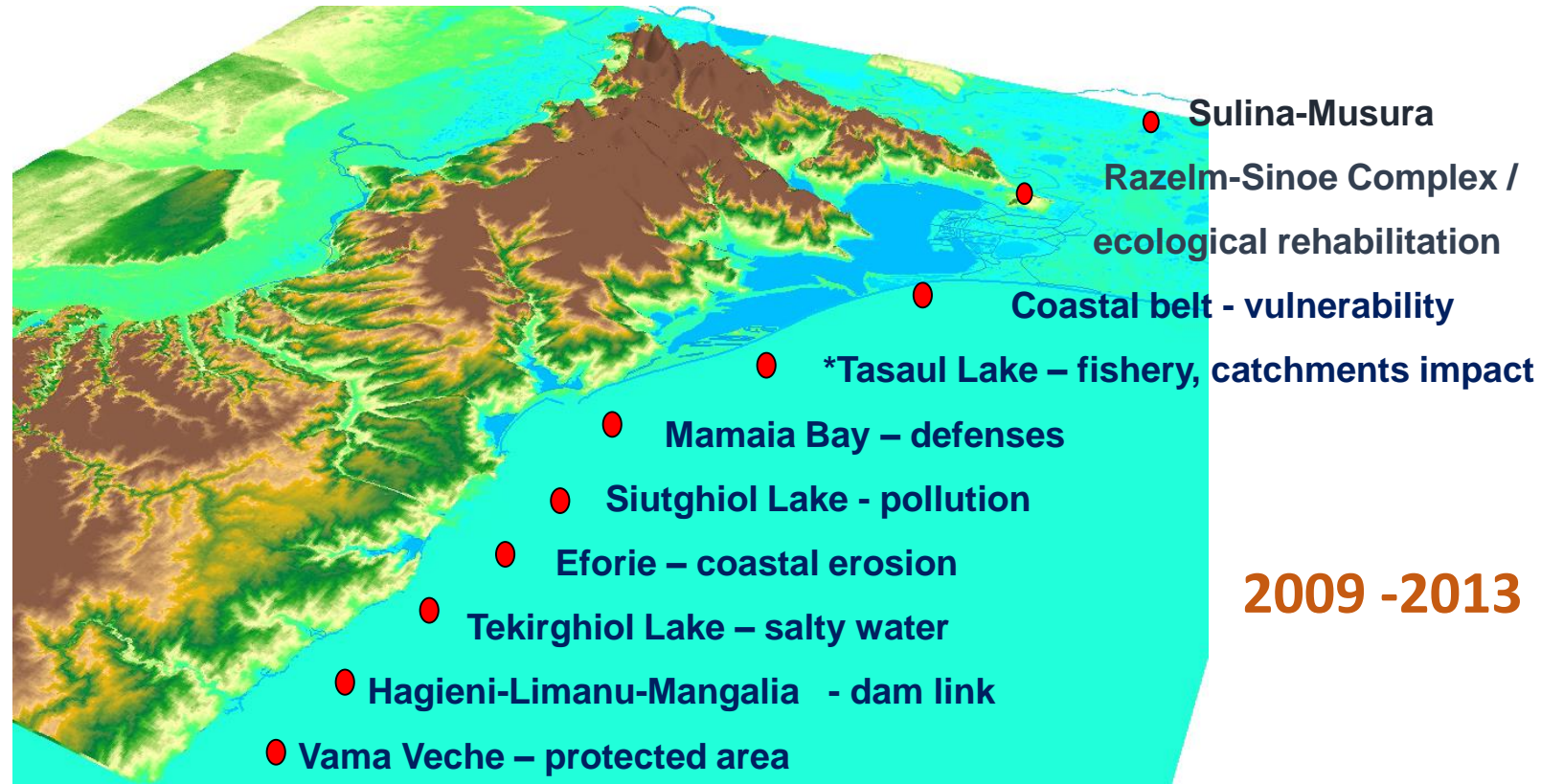
2009 -2013



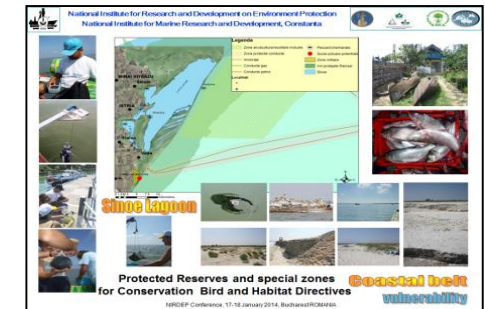
Study Cases



- ☐ Sinoe lagoon
- ☐ Tasaul Lake
- ☐ Mamaia Bay
- ☐ Siutghiol Lake
- ☐ Eforie
- ☐ Mangalia – Limanu

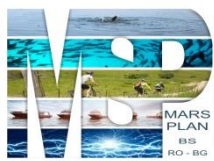


NIMRD "Grigore Antipa"



2009 -2013





2010-2015



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<http://www.msp-platform.eu/sea-basins/black-sea-0>

BLACK SEA MSP PROJECTS

[PlanCoast](#)

[PEGASO](#)

[COCONET](#)

[PERSEUS](#)

[MISIS](#)

[SymNet/CBC-Black Sea](#)

[ICZM/CBC-Black Sea](#)

[SRCSSMBSF](#)

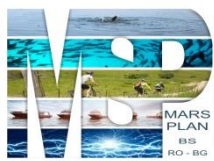
[CLEANSEA](#)

[CREAM](#)

[MARSEA](#)

[MARSPLAN-BS](#)





2015 -2019



European
MSP Platform



DG MARE/2014/22

Many practices derived from projects PROJECTS

EU PROJECTS

EU MSP PLATFORM

ECOAST

MARSPLAN

Projects

The Project database is continuously updated in order to ensure that search queries produce the most accurate results and new project descriptions are added on a regular basis. Select relevant items from the search boxes or enter the title of a project or a keyword in the keyword search box. For more information about the functionality of the Project database, please see our [User guidance document](#).

Can't find the project you're looking for or is some of the information not correct or incomplete? Please notify us via [Submit a Question](#). Take back the [Feedback page](#) as well to find several examples of questions that have been received and their corresponding answers.

Search by: Country, Title, Date, Status, Keyword, Project Title, Project Description, Location, etc.

Country	Title	Date	Status	Project Title	Project Description
IT	IT-1	2014	Active	IT-1	IT-1
IT	IT-2	2014	Active	IT-2	IT-2
IT	IT-3	2014	Active	IT-3	IT-3
IT	IT-4	2014	Active	IT-4	IT-4
IT	IT-5	2014	Active	IT-5	IT-5
IT	IT-6	2014	Active	IT-6	IT-6
IT	IT-7	2014	Active	IT-7	IT-7
IT	IT-8	2014	Active	IT-8	IT-8
IT	IT-9	2014	Active	IT-9	IT-9
IT	IT-10	2014	Active	IT-10	IT-10

European Commission Directorate-General for Maritime Fisheries Affairs and Fisheries Assistance Mechanism for the Implementation of Maritime Spatial Planning (ECORYS) EASME/EMFF/2014/1.3.1.7/SI2-721508 /ECORYS

The Project has been implemented by an European partnership including six partner institutions: Pro, Berlin, Germany; ECORYS, Bruxelles, Belgium; SeaScape, United Kingdom; THETYS, Venice, Italy; NIMRD "G. Antipa", Constanta, Romania; and University Liverpool, United Kingdom, covering six sea areas and 25 countries: Atlantic Ocean (United Kingdom, North Ireland, Ireland, France, Portugal), Baltic Sea (Finland, Poland, Latvia, Lithuania, Estonia, Germany, Sweden, Denmark), Black Sea (Bulgaria, Romania), East and West Mediterranean (Italy, Slovenia, Croatia, Greece, Cyprus, respectively Spain, France, Malta, Italy) and North Sea (Belgium, Netherlands, Scotland, Denmark, Sweden, Norway).

Objectives consist in Technical studies on MSP: For subjects where gaps in knowledge exist, the assistance mechanism will be asked to conduct studies on subjects defined by the Commission in cooperation with Member States experts.

Results and Outputs

- assistance mechanism
- useful information on the implementation of MSP, operational summaries of best practices for each requirement of the Directive and publicising funding sources.
- potential project partners, including Member States, together and advise them on the use of EU financial instruments for projects implementing MSP
- relevant publications, calls for proposals or calls for tender
- pro-active project development concerning EU directly managed programmes such as Horizon 2020, the Programme for the Competitiveness of Enterprises and Small and Medium-sized Enterprises (COSME), LIFE and Connecting Europe Facilities, and the European Structural and Investment Funds, including the European Regional Development Fund (ERDF), the European Maritime and Fisheries Fund (EMFF), the European Agricultural Fund for Rural Development (ERDF) and the Cohesion Fund (CF).
- "focal point service" - team of individuals - who will work in the Sea Basins of the Baltic Sea, the North Sea, the Atlantic, the Western Mediterranean (including Malta), the Eastern Mediterranean (Adriatic, Ionian and Aegean Seas, and Cyprus) and the Black Sea, to provide guidance and information on MSP for public and private organisations and their members, research institutions and universities, institutional and private investors, and industry.
- web site and focal point service, cross-border approach.
- To provide an expertise service for the Member States in support transposition and implementation.
- (a) technical assistance and advice for the implementation of the MSP Directive and the

establishment of plans, through the web-site and a network of focal points per sea basins: basin, Baltic, North Sea, Atlantic, Western Mediterranean, Eastern Mediterranean, Black Sea, keeping themselves informed of all development in the own sea. (b) provide response within 48 hours to questions by e-mail or telephone. All received questions and provided answers must be maintained and kept in a form of a database, accessible on the web-page

Core project team:

- s.Pro, Berlin, GE - AngelaSchultz-Zehden
- ECORYS, Bruxelles, BE - Jan Maarten de Vet
- SeaScape, UK - David Johnson
- THETYS, Venice, Italy - Emiliano Ramieri
- NIMRD, Constanta, RO - Laura Alexandrov
- University Liverpool, UK - Stephen Jay

New methodologies for an ecosystem approach to spatial and temporal management of fisheries and aquaculture in coastal areas (ECOAST)

COFASP - Cooperation in Fisheries, Aquaculture and Sea food Processing

ECOAST aims to identify, develop and test new methodologies for spatial and temporal management of fisheries and aquaculture in coastal areas. The overall approach will assess the impact of fisheries and aquaculture on coastal ecosystems, including essential fish habitats and conservation priority habitats, as well as synergies and conflicts between human activities. Building on previous methodologies and experiences the project will evaluate marine spatial planning in seven coastal case study areas having different ecological and socio-economic characteristics: 1) Adriatic Sea (ADR), 2) Ionian Sea (ION), 3) Black Sea (BLK), 4) Tyrrhenian Sea (TYR), 5) Baltic Sea (BAL), 6) Norwegian Fjords (NOR) and 7) NE Atlantic Coasts (ATL). Na.Na.Na de Cercetare (coordinator)

Objectives. The MARSPLAN BS Project main objectives are:

ECOAST's general aim is to merge different approaches (ecological, social and economic) within a unified framework to provide overall information for future development of fisheries and aquaculture in coastal and marine areas, also including spatial conflicts with other users and the stakeholders' point of view. This goal will be achieved by implementing and integrating already existing models (e.g., DISPLACE, GRID, InVEST) some of which have been developed by the partners of this proposal in the framework of previous research projects.

Results and Outputs

The project outcomes will produce case specific evaluation of the ecological footprints of aquaculture and fisheries in coastal areas, maps of optimal areas for fisheries and aquaculture, evaluation of compatibility between fisheries, aquaculture and other human activities in coastal areas, as well as implementation of holistic methods and an operational modelling framework to evaluate and predict stakeholder responses to coastal spatial management options covering marine cross sector occupation of space. The new methodologies will assess the impacts on the ecosystem and the socio-economic effects of some spatial management measures, as well as to spatially manage some cross sector marine activities, but also will integrate all relevant management aspects for coastal areas. The holistic methodology will cover in a single system different approaches and management aspects, identifying realistic spatial and temporal potentials and limitations for the integration of fisheries and aquaculture in coastal areas, in order to allow policy makers and stakeholders to evaluate management measures and share decisions in a transparent manner on case specific basis.

ECOAST results will support the EU and national policies through the provision of tools and data for an ecosystem based allocation of space and sustainable use of marine resources in coastal areas on case specific basis.

Core project team:

- ISMAR - CNR Italia - Fabio Grati
- ISPRA Italia - Giovanna Marino
- DIU Aqua Danemarca - Francois Bietardie
- IRIS Norvegia - Thorleifur Agustsson
- IMR Norvegia - Eric Olsen
- INCDM Grecia - Vasiliki Vassilopoulou
- INCDM Romania - Laura Alexandrov
- ICBAS Portugal - Luis Vieira

Call reference No: MARE/2014/22

Cross border maritime spatial planning in the Black Sea – Romania and Bulgaria (MARSPLAN – BS)

EASME/EMFF/2014/1.2.1.5/2/SI2.707672 MSP LOT 1/BLACK SEA/MARSPLAN-BS

The Project has been implemented by a Romania-Bulgarian partnership including ten institutions under the coordination of the Ministry of Regional Development and Public Administration, Bucharest, RO-PL; P1 - Ministry of Regional Development, Sofia, BG; P2 - Ministry of Environment, Department of Water, Forests and Fisheries, Bucharest, RO; P3 - National Institute for Marine Research and Development "G. Antipa", Constanta, RO; P4 - "Danube Delta" National Institute for Research and Development, Tulcea, RO; P5 - National Institute for Research and Development in Construction, Urban Planning and Sustainable Development, RO; P6 - "Ovidius" University of Constanta, RO; P7 - Institute of Oceanology to the Bulgarian Academy of Sciences, BG; P8 - Executive Agency Maritime Agency, Sofia, BG; P9 - Bulgarian Ports Infrastructures Company, Sofia, BG;

Objectives. The MARSPLAN BS Project main objectives are:

- To support the implementation of the EU Directive for Maritime Spatial Planning in the Black Sea Basin, starting with its Member States, Romania and Bulgaria
- To create an MSP institutional framework for Romania-Bulgaria cross-border
- To develop the cooperation with all Black Sea countries in the field of MSP
- To consolidate the cross-border cooperation and the information exchange between Romania and Bulgaria
- To set out the vision and strategic goals for Black Sea area on MSP, taking into account the land sea interaction
- To elaborate MSP Plan for the Romania – Bulgaria cross-border area
- To contribute to a wider dissemination of all gathered information concerning MSP field, Black Sea area, best practices and stakeholders.

Results and Outputs

The MARSPLAN project has planned

- ? to elaborate MSP Methodology,
- ? MSP indicators, MSP legislation support, plans;
- ? to elaborate a complete analysis of the Romanian and Bulgarian marine areas
- ? to design a MSP Plan for Romania-Bulgaria cross-border area
- ? to develop MSP strategies, vision

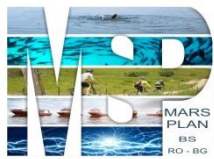
The project included five pilot case areas:

- Eforie area - Romania
- Sfantul Gheorghe – Romania
- Bourgas Port – Bulgaria
- Aquaculture and fisheries
- New ship routing system in territorial seas of Bulgaria and Romania

In addition partners engaged national, transnational and regional (Black Sea) bodies, non EU members, representatives of Black Sea Commission (from Istanbul), organisations, administrative and research institutions, NGOs in a dialogue on a Black Sea level. Through a sequence of workshops and different events, the project sought to increase public and stakeholder understanding of what MSP means to them and the transnational nature of their topic.

Core project team:

- Teofil Gherca, MRDPA, RO
- Maria Gheorghieva, MRD, BG
- Gheorghe Constantin, MEW, RO
- Laura Alexandrov, NIMRD G. Antipa, RO
- Iulian Nichescu, DNDNR, RO
- Constantin Chifalea, URBAN-INCERC, RO
- Constantin Popa, UIC, RO
- Margarita Stanceva, IO BAS, BG
- Peter Kirov, Executive Maritime Agency, BG
- Anghel Zamburlov, Bulgarian Ports Infrastructure Comp.



European Commission Directorate-General for Maritime Fisheries
Affairs and Fisheries
Assistance Mechanism for the Implementation
of Maritime Spatial Planning
EASME/EMFF/2014/1.3.1.7/SI2.721508 /EU PLATFORM MSP



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EU MSP PLATFORM

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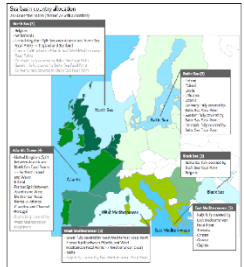
European Commission Directorate-General for Maritime Fisheries Affairs and Fisheries
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EASME/EMFF/2014/1.3.1.7/SI2.721508 /ECORYS

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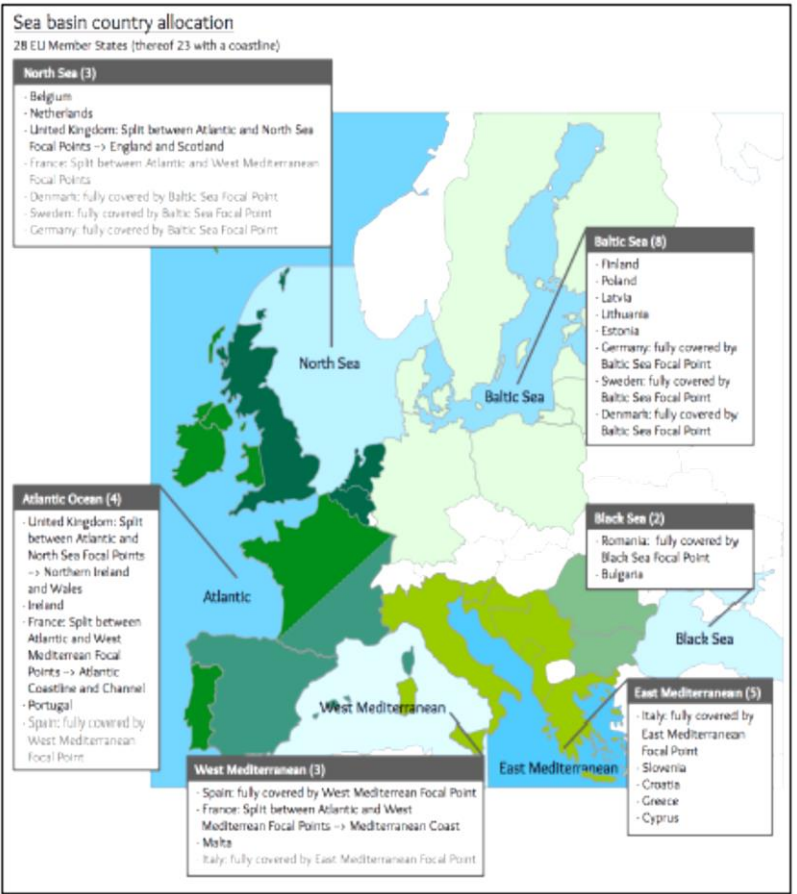
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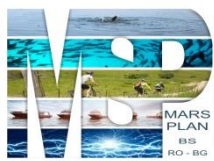
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2015 -2016





COFASP - Cooperation in Fisheries, Aquaculture and Sea food Processing



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DG MARE/2014/22

New methodologies for an ecosystem approach to spatial and temporal management of fisheries and aquaculture coastal areas (ECOAST)

2015 -2016

ECOAST

New methodologies for an ecosystem approach to spatial and temporal management of fisheries and aquaculture in coastal areas (ECOAST)

COFASP - Cooperation in Fisheries, Aquaculture and Sea food Processing

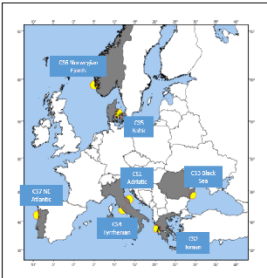
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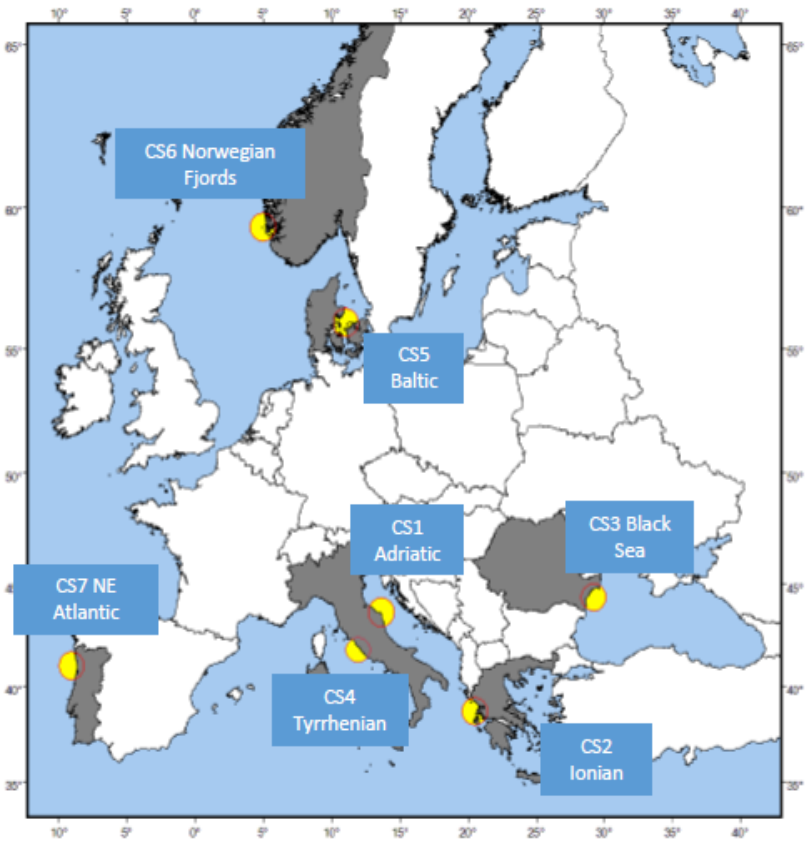
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COFASP - Cooperation in Fisheries, Aquaculture and Sea food Processing



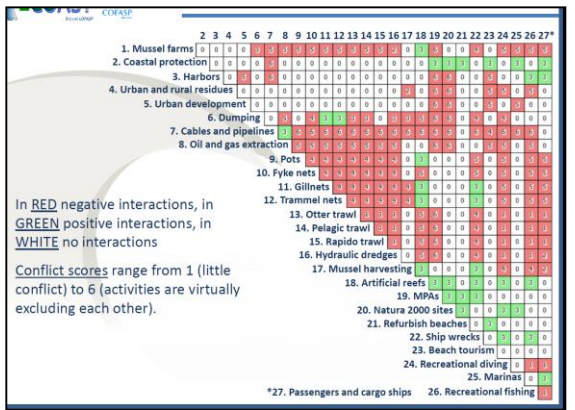
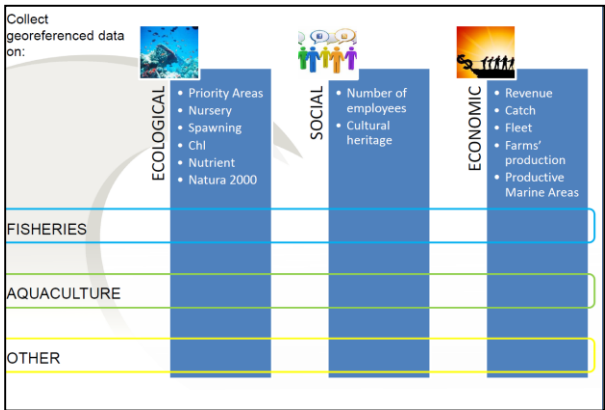
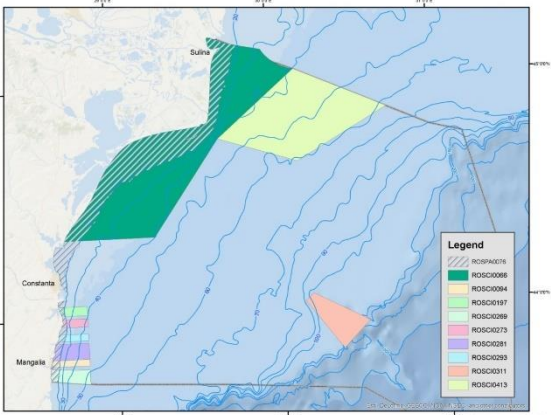
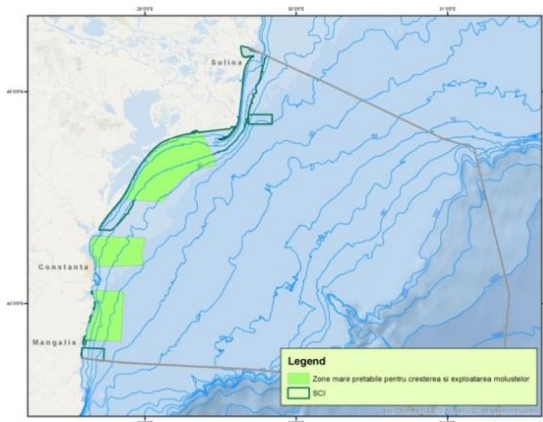
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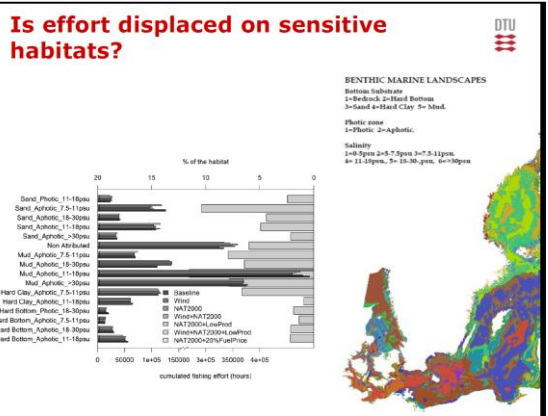
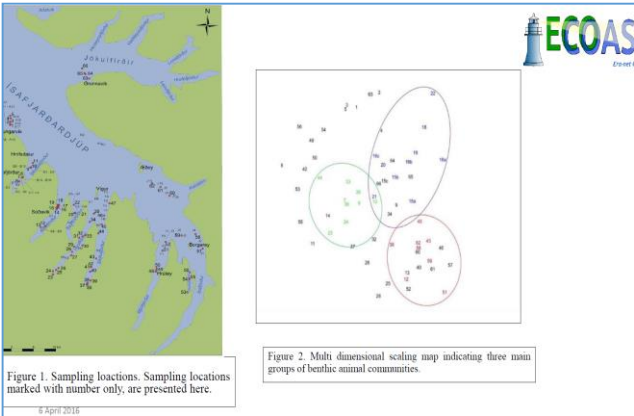
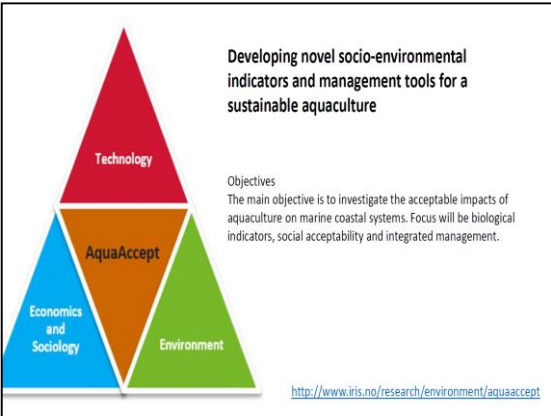
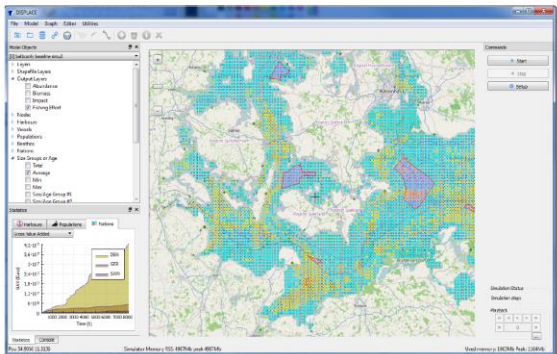
DG MARE/2014/22

New methodologies for an ecosystem approach to spatial and temporal management of fisheries and aquaculture coastal areas (ECOAST)

2015 -2016



The DISPLACE software – Baltic Sea





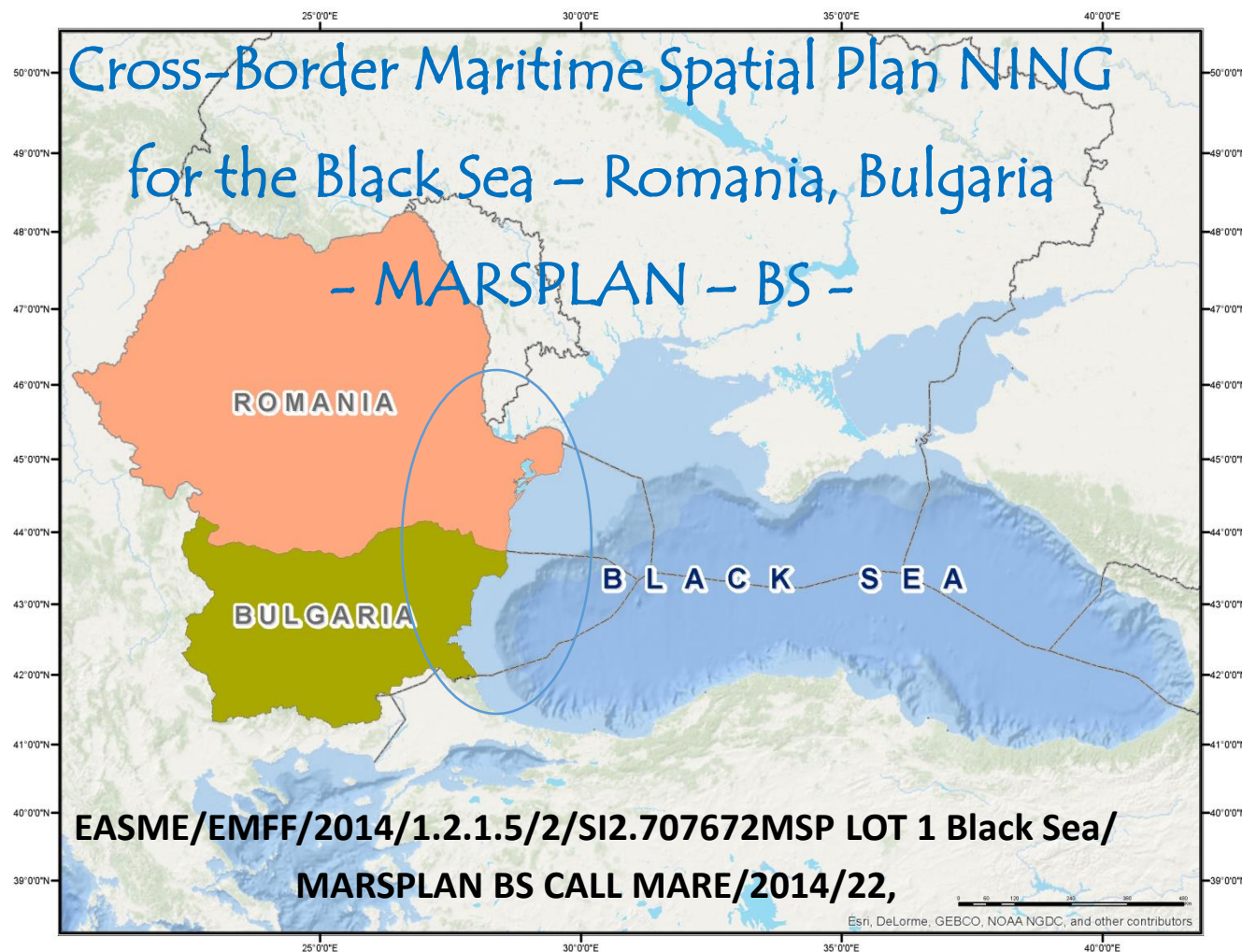
European Commission
Directorate-General for Maritime Affairs
and Fisheries
Unit MARE-E-1
Ref. MARE/2014/22
Lot:
Office: J-99 2/89
B – 1049 BRUSSELS



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European Commission
Directorate-General for Maritime Affairs
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Unit MARE-E-1
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Call reference No: MARE/2014/22

Cross border maritime spatial planning in the Black Sea – Romania
and Bulgaria (MARSPLAN – BS)

EASME/EMFF/2014/1.2.1.5/2/SI2.707672 MSP LOT 1/BLACK
SEA/MARSPLAN-BS



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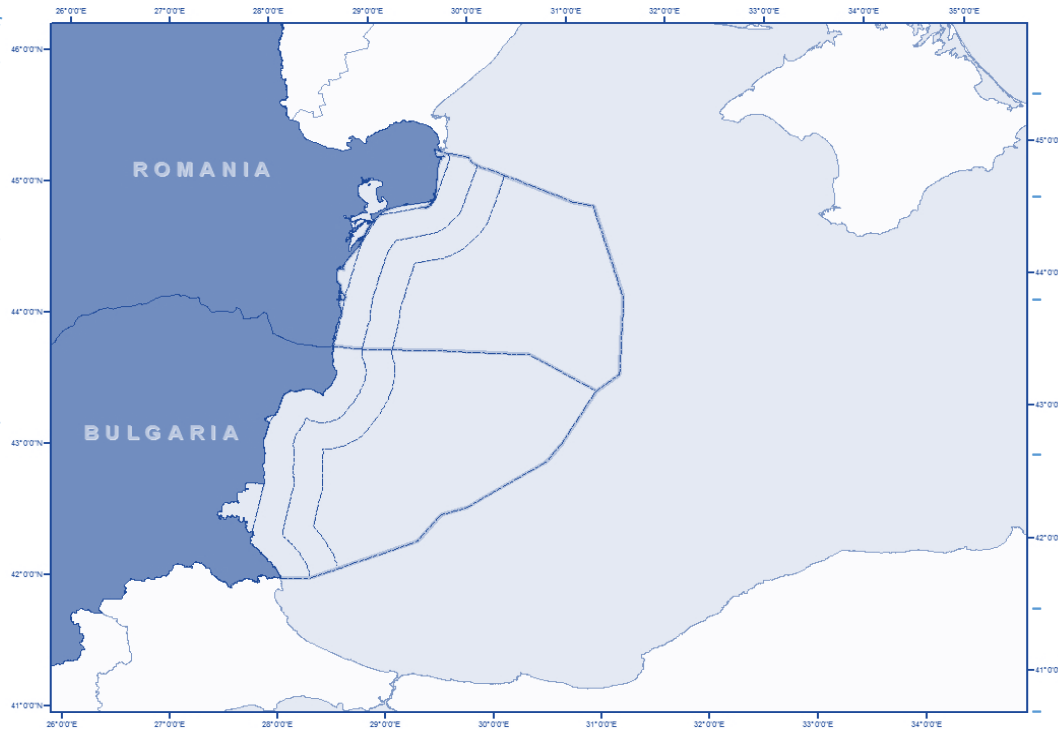


MINISTRY OF DEVELOPMENT,
PUBLIC WORKS AND HOUSING

Objectives. The MARSPLAN BS Project main objectives are:

Romanian – Bulgarian Partnership

The Project has been implemented by a Romania-Bulgarian partnership including ten institutions under the coordination of the Ministry of Regional Development and Public Administration, Bucharest, RO-PL; P1 - Ministry of Regional Development, Sofia, BG; P2 - Ministry of Environment, Department of Water, Forests and Fisheries, Bucharest, RO; P3 - National Institut for Marine Research and Development "G.Antipa", Constanta, RO; P4 - "Danube Delta" National Institut for Research and Development, Tulcea, RO; P5 - National Institute for Research and Development in Construction, Urban Planning and Sustainable Development, RO; P6 - "Ovidius" University of Constanta, RO; P7 – Institute of Oceanology to the Bulgarian Academy of Sciences, BG; P8 - Executive Agency Maritime Agency, Sofia, BG; P9 -Bulgarian Ports Infrastructures Company, Sofia, BG;



- To support the **implementation of the EU Directive for Maritime Spatial Planning** in the Black Sea Basin, starting with its Member States, Romania and Bulgaria
- To create an **MSP institutional framework for Romania-Bulgaria** cross-border
- To develop the **cooperation with all Black Sea countries** in the field of MSP
- To consolidate the **cross-border cooperation** and the information exchange between **Romania and Bulgaria**
- To set out the **vision and strategic goals** for Black Sea area on MSP, taking into account **the land sea interaction**
- To **elaborate MSP Plan for the Romania – Bulgaria cross-border area**
- To contribute to a **wider dissemination** of all gathered information concerning MSP field, Black Sea area, best practices and stakeholders.



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Results and Outputs

The MARSPLAN project has planned

- to elaborate MPS Methodology,
- MSP indicators, MSP legislation support, plans;
- **to elaborate a complete analysis of the Romanian and Bulgarian marine areas**
- to design a MSP Plan for Romania-Bulgaria cross-border area
- to develop MSP strategies, vision

The project included five pilot case areas:

- Eforie area - Romania
- Sfântul Gheorghe – Romania
- Bourgas Port – Bulgaria
- Aquaculture and fisheries
- New ship routing system in

territorial seas of Bulgaria and Romania



□ **Thematic meetings, Lesson Learnt, Guidelines for Good Practices,**

□ **Sectoral plans, Strategies, Vision, Co-management, Transboundary Plan between Romania and Bulgaria**



Data collection/inventory (for analysis, mapping and study cases)



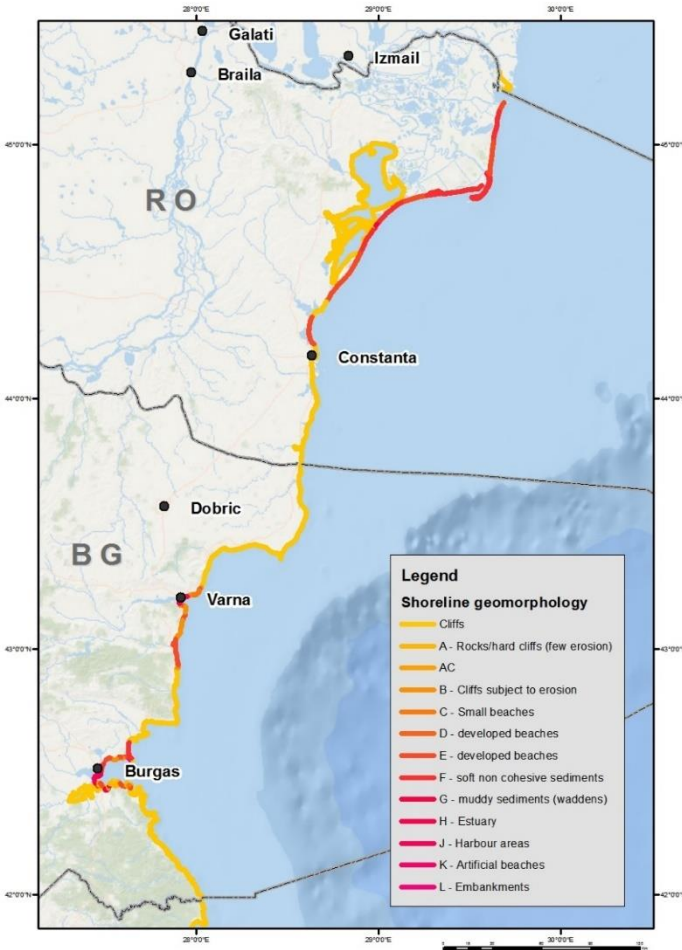
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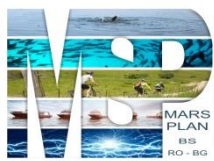


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	TOPIC	DESCRIPTION	DATA SOURCE	DATA TYPE
GEOGRAPHICAL BOUNDARIES	1.Maritime space	Base line, territorial sea and EEZ.		Shape/Studies/ Reports
	2.Coastal zone/ development plans	Coastal zone management plans.		Shape, Studies, Evaluation Reports
	3.Boundaries related to EU Directives			
	Marine Strategy Framework Directive	Marine Strategy Framework Directive.		Shape/Study/Report
	Bathing Water Directive	Bathing waters designated under Directive 2006/7		Shape/Map/Study/ Report
	Urban Wastewater Directive	Sensitive areas (eutrophic/potentially eutrophic) designated under Directive 2006/113 .		Shape/Map/Study/ Report
	Water Framework Directive	River basin districts and coastal and transnational water bodies designated under River Basin Plans		Shape/Map/Reports
	Fisheries Policies and national provision	Boundaries established in the management measures concerning fisheries should be considered.		Shape/Map/Reports





Data collection/inventory (for analysis, mapping and study cases)



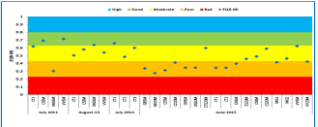
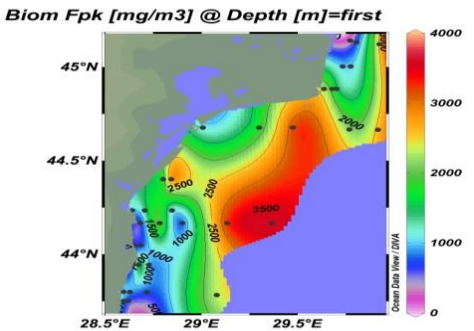
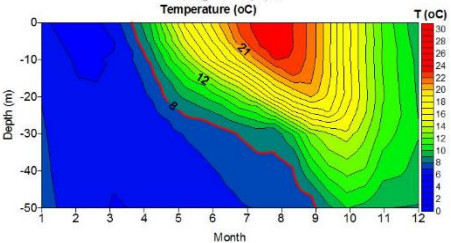
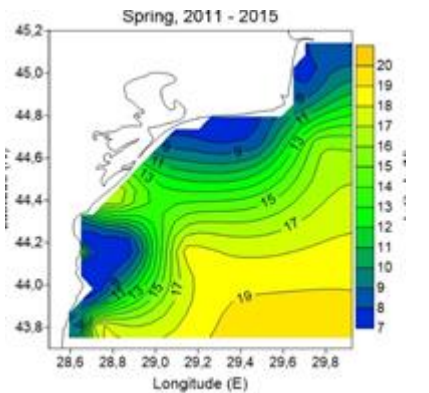
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II MARITIME SPACE	PHYSICO-CHEMICAL CHARACTERISTICS	1.Meteorology	All the relevant networks, stations and forecasting models should be identified		
		Weather station	Weather stations information should be collected including location, measured variables and statistic values.		Shape/Map/Statistics
		Wind	Statistics for available locations.		Shape/Map/Statistics
		Rainfall	Statistics for available locations.		Shape/Map/Statistics
		Atmospheric pressure	Statistics for available locations.		Shape/Map/Statistics
		Bathymetry	Bathymetric data and derivate data (slope, aspect, etc.) from the cross-border area from different database sources.		Shape/Map/Studies/Rep orts
		2. Geology	Information from the geological context		
		Geomorphology/ Add: coastal erosion	Geomorphological types: undulations, channels, mounds, depressions, crests, scarps, outcrops.		Shape/Map/Studies/Rep orts
		Seabed Characterization	Sedimentological and geochemical features: grain size, geochemical data, sediment samples and scores, geohabitats.		Shape/Map/Studies/Rep orts





Data collection/inventory
(for analysis, mapping and study cases)



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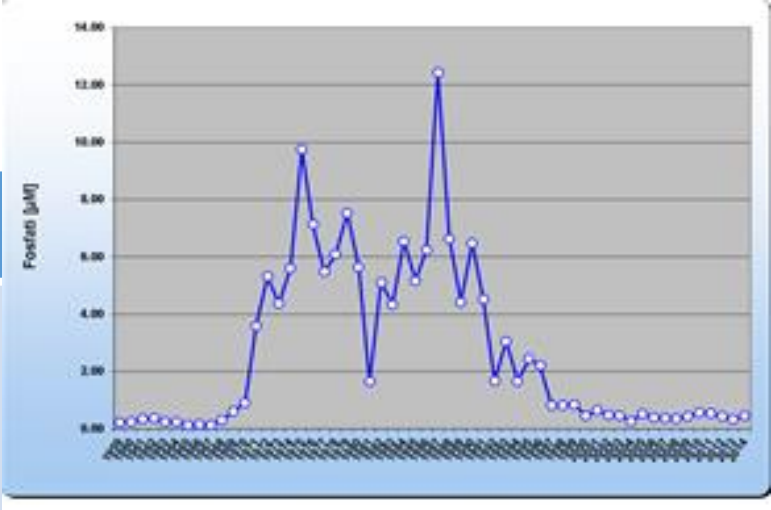


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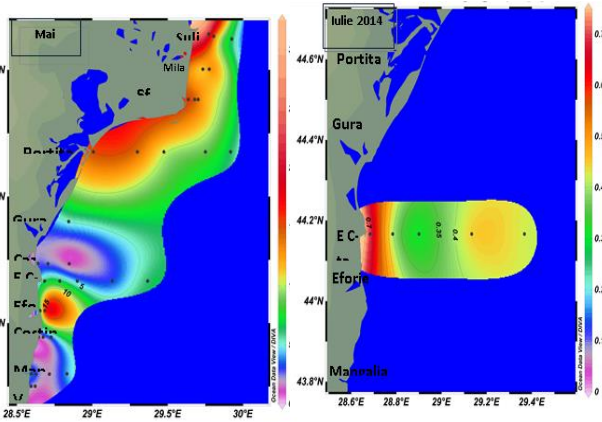
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II MARITIME SPACE	BIOLOGICAL CHARACTERISTICS	TOPIC	DESCRIPTION	DATA SOURCE	DATA TYPE
		5.Contaminants	All available information about harmful alteration of the natural state of the seawater as a consequence of foreign agent introduction either by natural or human activity.		
		Input	Estimated riverine input loads, direct discharges and atmospheric deposition of hazardous substances.		Shape/Map/Report/ Studies
		State	Measurements from data samples and observation taken during research campaigns.		Shape/Map/Report/ Studies
		Zones	Available mapping of affected water bodies.		Shape/Map/Report/ Studies

Nutrients



Compared phosphate concentrations multiannual
monthly means (1959-2013) and 2014



Eutrophication indicators

Chlorophyll a



Data collection/inventory
(for analysis, mapping and study cases)



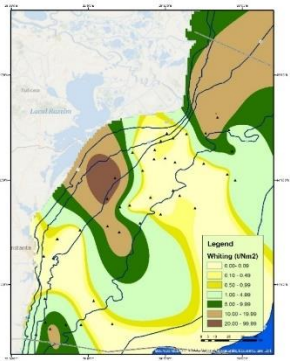
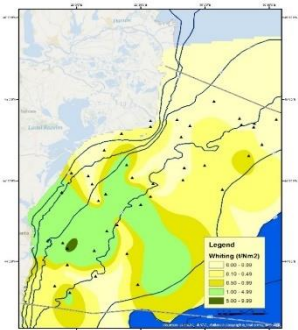
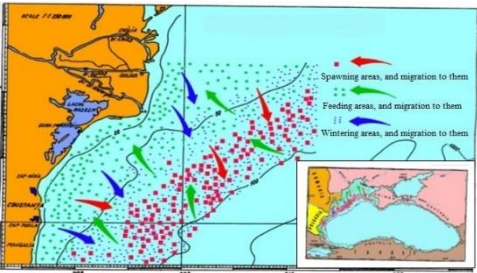
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II MARITIME SPACE	BIOLOGICAL CHARACTERISTICS	6.Natural Resources/ Species	Compilation of all information about biodiversity including communities/species along BG coast and cross-border area.		
		Fish	Communities description, incl. distribution, abundance trends, demographic structure of representative species.		Shape/Map/Report/ Studies
		Shellfish	Communities description, incl. distribution, abundance trends, demographic structure of representative species.		Shape/Map/Report/ Studies
		Algae and marine plants	Information compilation about these species, incl. seagrass populations.		Shape/Map/Report/ Studies
		Marine mammals	Relevant data		Shape/Map/Report/ Studies
		Birds	Relevant data		Shape/Map/Report/ Studies
		Invasive species	Relevant data		Shape/Map/Report/ Studies
		Spawning ground and nursery	Relevant data		Shape/Map/Report/ Studies





Data collection/inventory (for analysis, mapping and study cases)

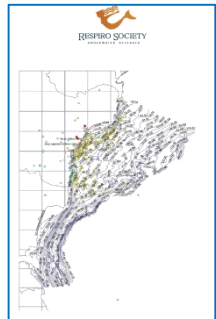
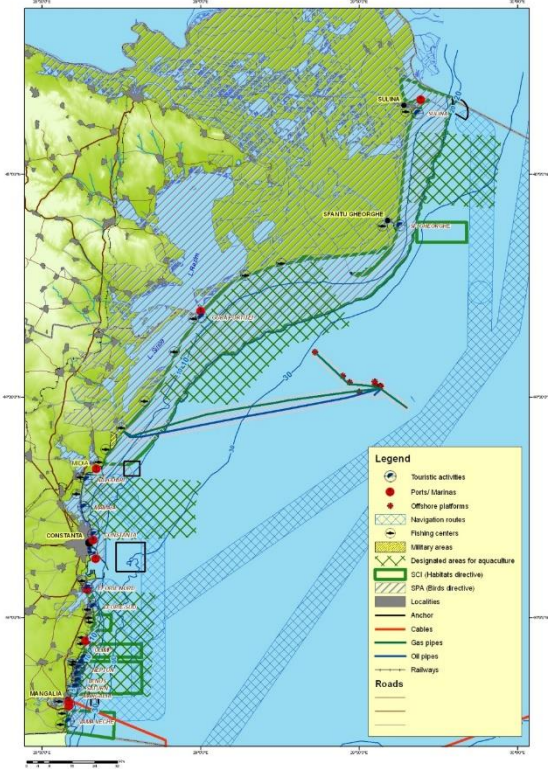


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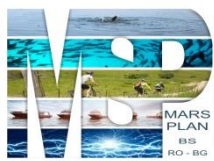
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Submerge wreck. Source:
Project Heras 2013-2015,
GEOECOMAR Sea Research

II MARITIME SPACE	BIOLOGICAL CHARACTERISTICS	7.Habitats			
		Benthonic habitats	Habitat characterization from available information.		Shape/Map/Report/ Studies
		Pelagic habitats	Habitat characterization from available information.		Shape/Map/Report/ Studies
II MARITIME SPACE	UNDERWATER ARCHAEOLOGY	Shipwreck inventory	Submerged archaeological heritage classified as underwater archaeological sites.		Shape/Map/Report/ Studies
		Underwater archaeological sites	Submerged archaeological heritage classified as underwater archaeological sites.		Shape/Map/Report/ Studies



Data collection/inventory (for analysis, mapping and study cases)



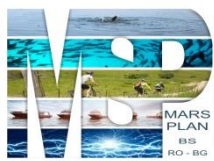
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III COASTAL ZONE	Coastal geomorphology/ coastal erosion	Relevant coastal features like estuaries, marshes, sedimentary coasts, incl. beaches, should be identified. Information about erosion type coasts/cliff too.		Shape/Map/Report/ Studies
	Coastal development/ Population	Relevant information about coastal territorial planning should be collected such as land uses, urban areas locations and their estimated population.		Shape/Map/Report/ Studies
IV INFRASTRUCTURES	Ports	Ports, incl. commercial, fishing and leisure should be identified both on terrestrial and sea areas like harbour basins, access channels and anchoring areas. Typology of the structures should be also known.		Shape/Map/Report/ Studies
	Coastal defence	Locations and types of all coast-protection structures or other human interventions for coastal defence.		Shape/Map/Report/ Studies





Data collection/inventory (for analysis, mapping and study cases)



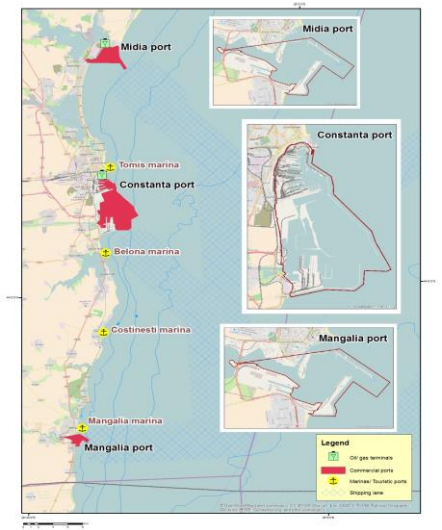
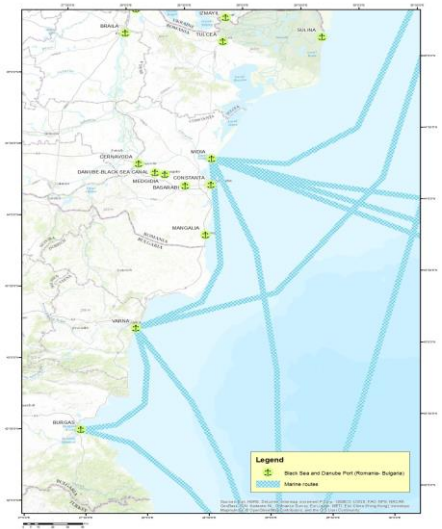
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IV INFRASTRUCTURES	Artificial reefs (if any)	Approx. locations and functions (protection, production, etc.) should be identified.		Shape/Map/Report/ Studies
	Platforms	Locations and uses of platforms should be taken into account.		Shape/Map/Report/ Studies
	Cables and pipelines	Locations, dimensions and uses of cables and pipelines should be taken into account.		Shape/Map/Report/ Studies
	Others: Turism ,	Location and dimensions of other infrastructures, such as wind farm piles, single buoy mooring, buoys etc.		Shape/Map/Report/ Studies
V NATURAL CONSERVATION FEATURES	Areas	All cataloged areas designated or planned as protected area by EU and national directives, must be identified and documented.		Shape/Map/Report/ Studies
	Habitats	All cataloged habitats designated or planned as protected habitat by EU and national directives, must be identified and documented.		Shape/Map/Report/ Studies
	Species	All cataloged species designated or planned as protected species by EU and national directives, must be identified and documented.		Shape/Map/Report/ Studies





Data collection/inventory (for analysis, mapping and study cases)



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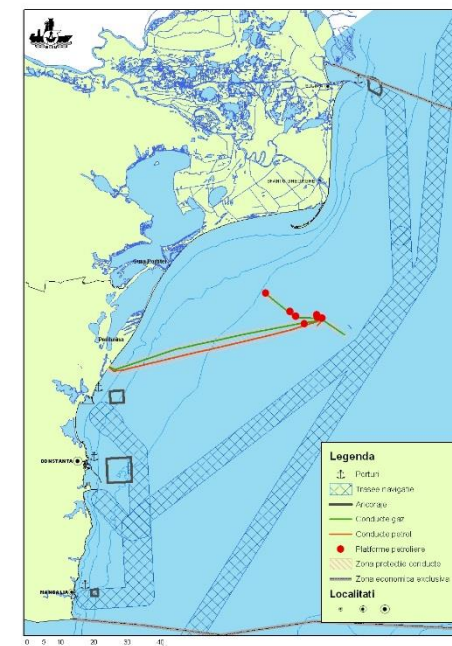
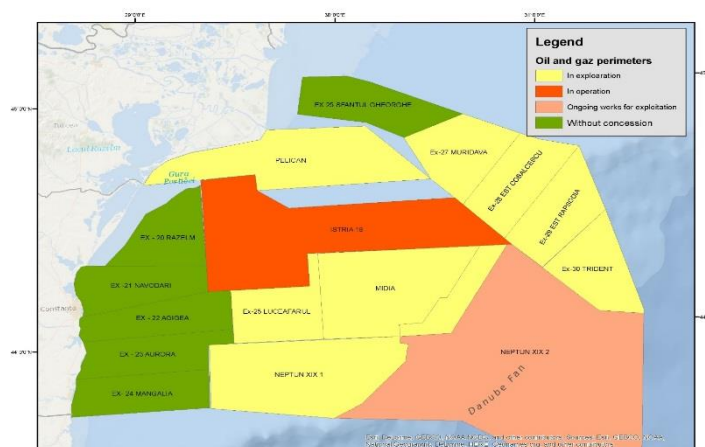
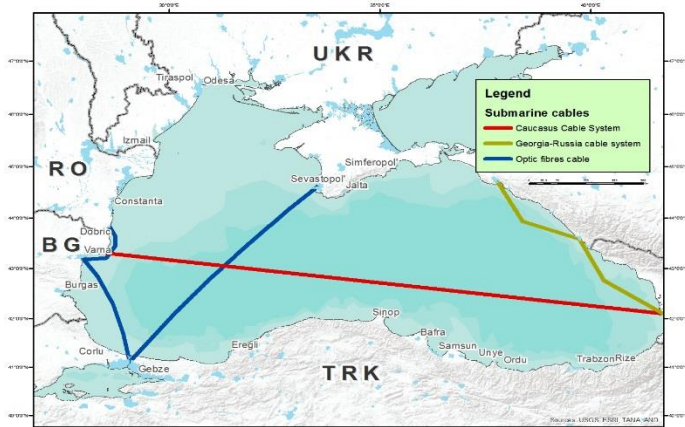
Chapter 3.2.4 Exploitation/transport of crude oil and natural gas and petroleum products

Nr.	Name area of operation • off shore	Concession agreements for exploration - development - exploitation
1	EX – 26 SFANTUL GHEORGHE	
2	EX – 27 MURIDAVA	Merlos, Petromar, Midia Resources SRL
3	EX – 28 COBALCESCU	Merlos, Petromar, Beach Petroleum SRL
4	EX – 29 EST RAPSODIA	Luk Oil Overseas, Vanco, Romgaz
5	EX – 30 TRIDENT	Luk Oil Overseas, Vanco, Romgaz
6	XIII PELICAN	OMV Petrom, Exxon, Gas Plus
7	XVIII ISTRIA	OMV Petrom
8	EX 20 RAZELM	
9	EX 21 NÄVODARI	
10	EX 22 AGIGEA	
11	EX 23 AURORA	
12	EX 24 MANGALIA	
13	EX 25 LUCEAFARUL	Petroventures, Midia Resources SRL
14	XV MIDIA	OMV Petrom, ExxonMobil, GasPlus – shallow Sterling, Petroventures, Gas Plus - deep
15	NEPTUN WEST - XIX 1	OMV Petrom
16	NEPTUN DEEP – XIX 2	OMV Petrom, ExxonMobil

Infrastructures for exploitation of oil and gas

Chapter 3.2.5. Telecommunication

- Underwater
communication cables





Data collection/inventory
(for analysis, mapping and study cases)



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Chapter 3.2.3 Energy generation and transport

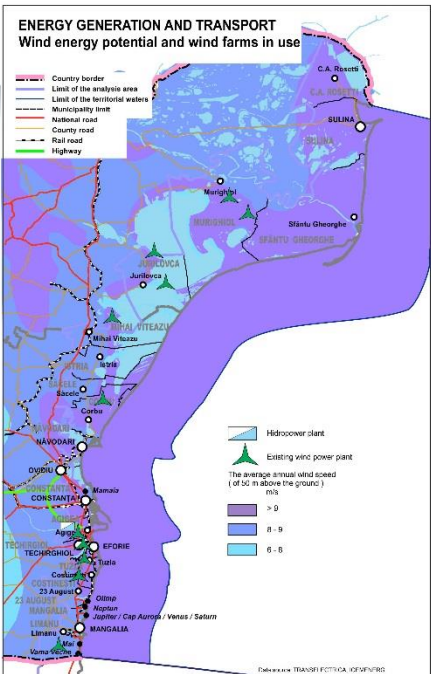
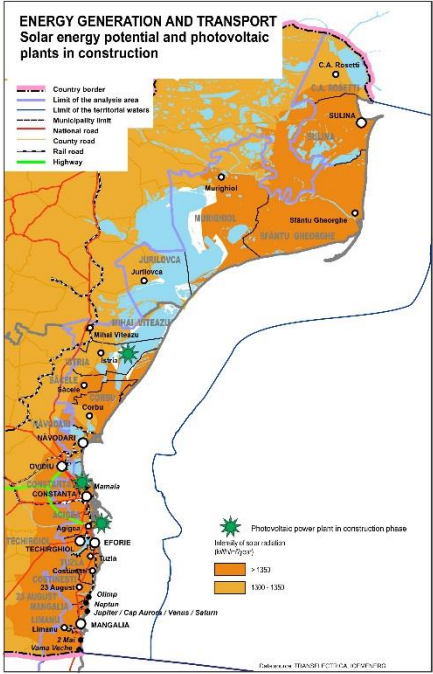
Power production

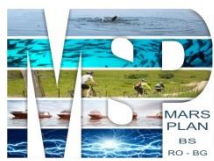
Electric power transport - managed by the National Company Transelectrica

Renewable energy resources

District/County	TAU	Power plant	Installed power capacity by type of power plant (MW)	Power generated by plant type (GWh)
Hydro power plant				
Constanta	Agiea	CHE Agiea	10	n/a
Wind power plants				
Tulcea	Murighiol	Murighiol	7,5	n/a
		Dunavatu de Jos	0,01	
Tulcea	Jurilovca	Jurilovca	4	n/a
Tulcea	Sarichioi	Sarichioi	33	n/a
Constanta	Mihai Viteazu	Mihai Viteazu	122.3	n/a
Constanta	Corbu	Corbu	9,65	n/a
Constanta	Agiea	Agiea	0,025	n/a
Constanta	Eforie	Eforie Nord	0,01	n/a
Constanta	Tuzla	Tuzla	0,2	n/a
Constanta	Costinesti	Costinesti	0,01	n/a
Constanta	Limanu	Limanu	8,5	n/a

Renewable energy plants in use in Romania and Bulgaria





Data collection/inventory (for analysis, mapping and study cases)



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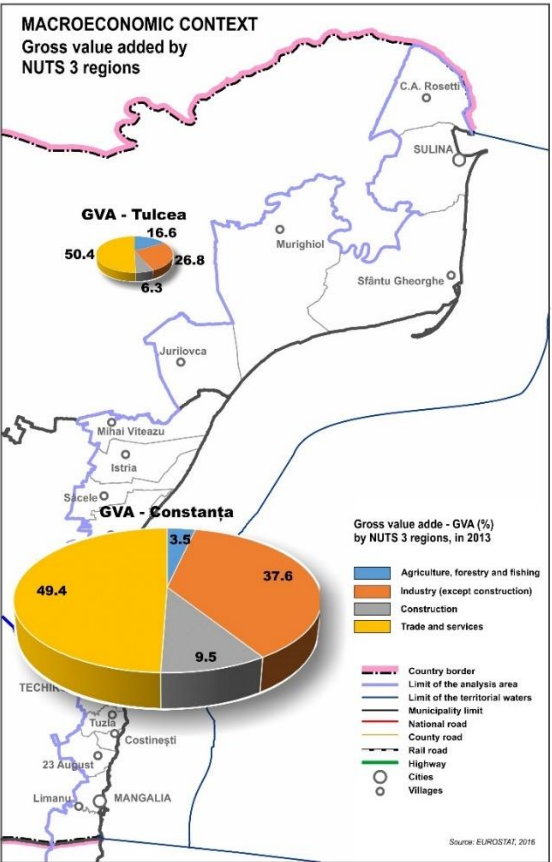
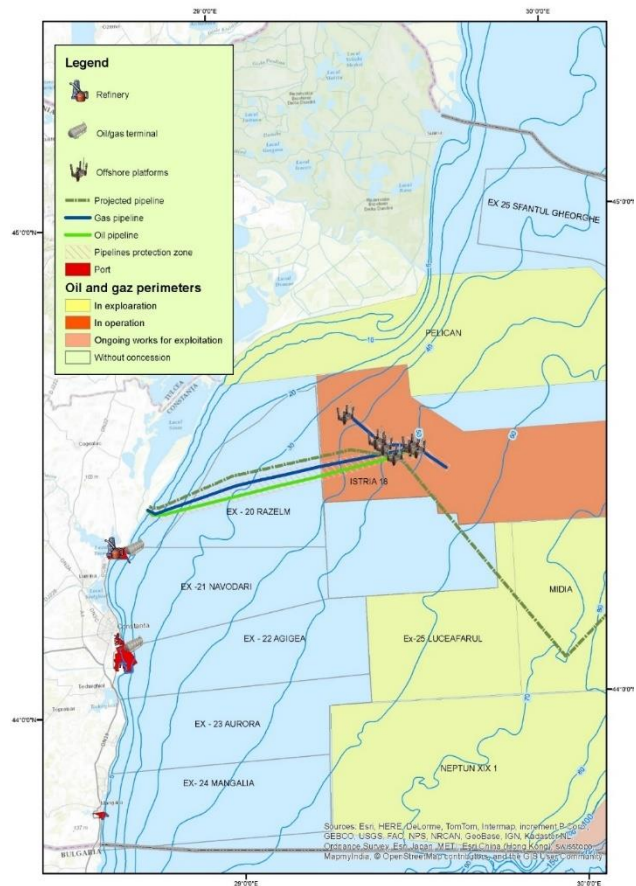
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Chapter 5.2.1.4 Industry

- Exploitation of non-living marine resources

- Oil and gas industry
- Refinery

Chapter 5.1. Macroeconomic context
and the economic profile



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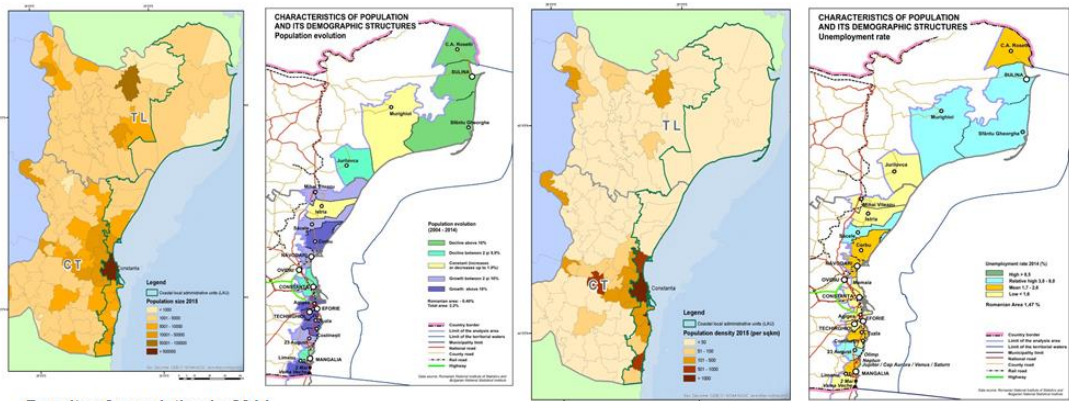
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Chapter 4 - Analysis of the current socio-demographic processes

Characteristics of the population and its demographic
structures

Population size (total population 2011, 2015, demographic evolution
2004-2014) Population density

The structures of human resources



Density of population in 2014
Source: Romanian NSI, Bulgarian NSI

	Population (no.)	Surface (Km ²)	Density (inh./km ²)
Total area	1210806	9302.5	130.2
Bulgarian Area	729044	5737.0	127.1
Romanian Area	481762	3565.5	135.1



Data collection/inventory
(for analysis, mapping and study cases)

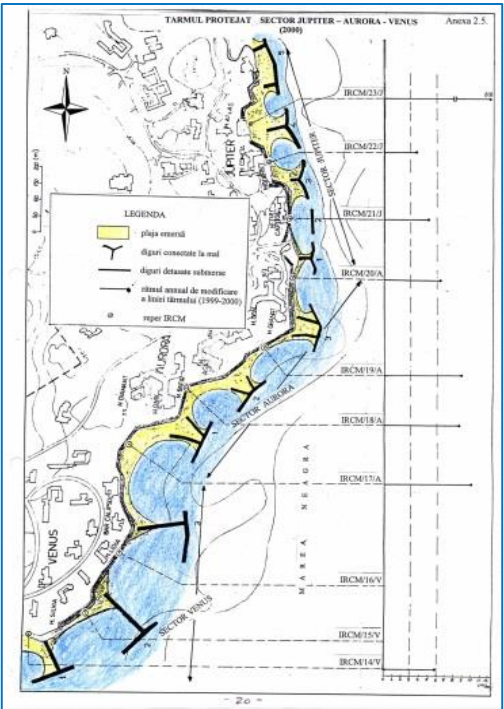


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Coastal Protection



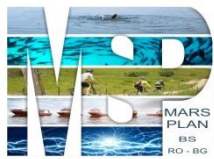


Data collection/inventory (for analysis, mapping and study cases)

European Commission
Directorate-General for Maritime Affairs
and Fisheries
Unit MARE-E-1
Ref. MARE/2014/22
Lot:
Office: J-99 2/89
B – 1049 BRUSSELS

	TOPIC	DESCRIPTION	DATA SOURCE	DATA TYPE
GEOGRAPHICAL BOUNDARIES	1.Maritime space	Base line, territorial sea and EEZ.		Shape/Studies/ Reports
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	Bathing Water Directive	Bathing waters designated under Directive 2006/7		Shape/Map/Study/ Report
	Urban Wastewater Directive	Sensitive areas (eutrophic/potentially eutrophic) designated under Directive 2006/113 .		Shape/Map/Study/ Report
	Water Framework Directive	River basin districts and coastal and transnational water bodies designated under River Basin Plans		Shape/Map/Reports
	Fisheries Policies and national provision	Boundaries established in the management measures concerning fisheries should be considered.		Shape/Map/Reports





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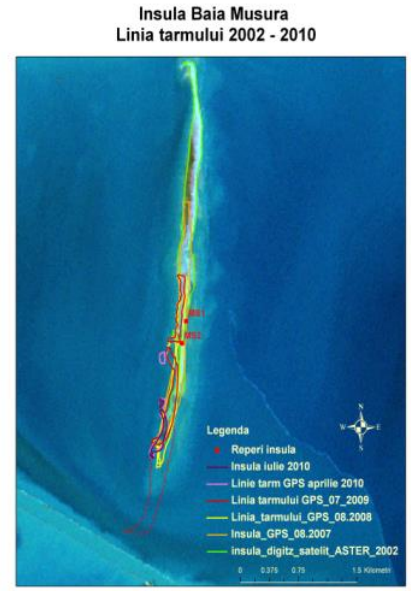
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Pilot Cases



Musura
New land



Cross border cooperation



Thank you for attention

