





for the Black Sea - Romania, Bulgaria - MARSPLAN - BS























Progress registered in Maritime Spatial Planning research in the Black Sea Region

The Maritime Spatial Planning (MSP) is considered a public process related to spatial and temporal distribution of human activities in marine areas. In the last ten years, Romania developed research projects and pilot plans in the field of Maritime Spatial Planning, coordinated by National Institute for Marine Research and Development "G.Antipa", Constanta (NIMRD).







Maritime Spatial Planning

On 23 July 2014, the Directive 2014/89/EU, setting-up the framework for Maritime Spatial Planning, was elaborated.

This document pointed-out important targets and stages for maritime spatial plans applicable in all European seas and states, Romania included.

Black Sea basin specificities

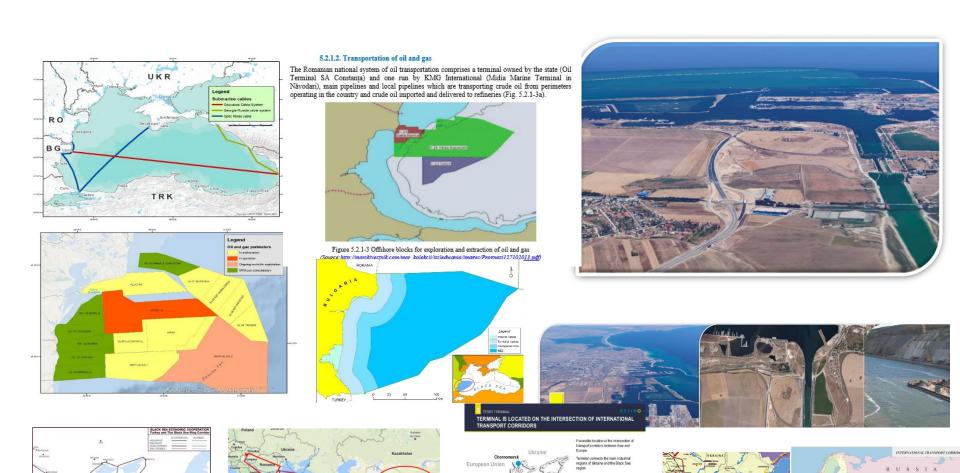
Crossroad of different cultures, a region of political, social and economic fragmentation
The largest semi-enclosed anoxic basin in the world

The most endangered sea in Europe Different and divergent geopolitical and strategic interest





Black Sea Region Marine corridor





www.msp-platform.eu









MSP IN PRACTICE

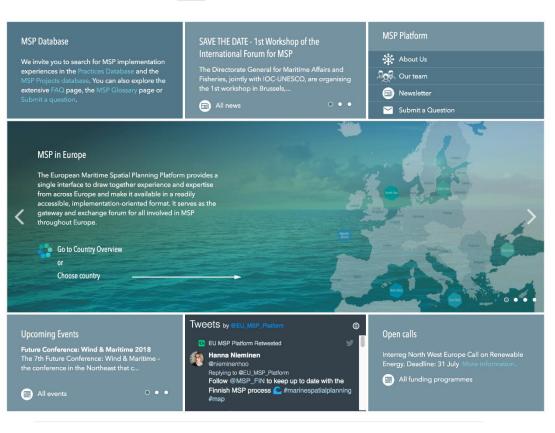
| OPPORTUNITIES

I STAY INFORMED

ABOUT & CONTACT

Homepage

- Sector Fiches NEW
 - Visions Handbook NEW
- Practical experiences
 - Country information
- Sea Basin overview
 - Funding opportunities
- News
 - Upcoming events
- Twitter feed (comunication)
 - Trainings-specialisation



The European MSP Platform is financed by the European Commission under the EMFF.
The European MSP Platform is a result of the 'MSP Assistance Mechanism' implemented by EASME on behalf of DG MARE.

Newsletter Contact Lega



Black Sea Profiles





MSP in Practice: searchable databases

MSP Practice descriptions: 388

Black Sea: 20

MSP Project descriptions: 137

· Black Sea: 17



CONTACT THE SEA BASIN HELPDES

blacksea@msp-platform.eu

CROSS-BORDER BLACK SEA PRACTICES (SELECTION)

MSP Methodology for Black Sea

Preparation of Sea-Use Plans for the 12 km zone in Varna and Constanta

Maritime spatial plan for the cross-border area (Mangalia-Shabla)

Conservation and protection of the Black Sea through establishment of new Marine Protected Areas (MPAs)

MISIS Black Sea Marine Atlas

Tool for the identification and assessment of Environmental Aspects in Ports (TEAP)

Adaptive Marine Policy (AMP) Toolbox

Sea basin descriptions

- MSP Institutions & structures
- Sea-basin cooperation on MSP
- Geography, ecosystems & uses
- Relevant sectoral & nonsectoral organizations
- Sea basin MSP projects
- Selected cross-border MSP practices

Black Sea

General Introduction to the Black Sea

The Black Sea is strategically located in Southeastern Europe on the borders of Europe, Central Asia and the Middle East. It occupies an area of 436,400 km2, excluding the Sea of Azov. There are 6 littoral states, including 2 EU member states: Bulgaria and Romania, and 4 non-member states: Georgia, the Russian Federation, Turkey and Ukraine. The Black Sea is connected to the Mediterranean Sea and the Atlantic Ocean via the Aegean Sea and the Sea of Marmara. The Sea of Azov drains into the Black Sea through the Kerch Strait.

Two of the largest rivers in Europe in terms of discharge - the Danube and Dniepr - flow into the Black Sea, which, together with the fact that the Black Sea is connected to the World Ocean only through the narrow Bosphorus Strait, accounts for the low levels of salinity of the sea water. In addition, the deeper layers of water in the Black Sea do not mix with the upper layers, which receive oxygen from the atmosphere, and, as a result, the deeper layers of water are for the most part anoxic.

Black Sea cooperation on MSP

In 2013, the first inventory of Black Sea MSP was started by the ICZM Project "Black Sea CBC – Joint Operational Program" regarding national policies for marine space, data collection and information exchange, cooperation with Member States, and cooperation with third countries.

Some international projects included, partially or integrally, MSP based on the MSP Directive elaborated in 2014. These permitted the development of collaborations between Black Sea countries in different consortiums.

The project MARSPLAN is important in this respect, as it includes the development of a full-fledged, formal maritime spatial plan for the cross-border area of Mangalia-Shabla (Romania and Bulgaria). This is a pilot project, which will provide impetus to the Black Sea cooperation on MSP. It includes for the first time the elaboration of MSP Methodology, legislation, rules, indicators, strategy, integrated maps and National Plans for Bulgaria and Romania as Member States. Their experience can be enlarged and spread around the whole Black Sea, to the other neighbouring countries.







Country Information Profiles

- Basic facts on marine waters
- Overview of maritime uses
- MSP authorities & contacts
- MSP legislation
- MSP plans & considered sectors
- Links to relevant practices & plans



OVERVIEW OF MSP RELATED MARITIME USES

- The Black Sea is a key EU Eastern gate, a junction between Europe, Central Asia and the Middle East, important transport and energy hub, a crossroad of different cultures, a region with political, social and economic fragmentation. Bulgaria and Romania provide the EU access to the Black Sea and are therefore the main drivers of the initiatives related to MSP in the Black Sea region.
- The Black Sea Basin Directorate Management Plan for the period 2016-2021 specifies integrated measures aimed at protection against pollution, protection of specially designated areas, protection of coastal marine areas, water efficiency, adaptation to climate change, and others. The Marine Strategy of the Republic of Bulgaria (2016) assesses the current status of the marine waters (in compliance with Article 8 of the Marine Strategy Framework Directive), determines the good environmental status, and establishes environmental targets (in compliance with Articles 9 and 10 of the MSFD) in accordance with 11 descriptors.
- Current uses: increasing interest as an energy hub
- Issues: nature protection, economic development, transboundary cooperation
- · Future uses:



Shipping



Fisheries



Aguaculture



Tourism



Offshore renewable energy production

MSP legislation

National MSP authorities and Contacts

*Ministry of Regional Development and Public Works,

- Maria Georgieva
- *Ministry of Transport, Information Technology and Communications -Executive Agency "Maritime Administration"
- *Ministry of Environment and Water
- Black Sea Basin Directorate -
- *Ministry of Agriculture, Food and Forestry - Executive Agency
- "Fisheries and Aquaculture" *Ministry of Energy

Contact:

Institute of Oceanology at the Bulgarian Academy of Sciences (IO-BAS)

Prof. Dr. Snejanka Moncheva: Director

Executive Agency Administration" (EAMA)

Peter Kirov, Chief Secretary

Center for Coastal and Marine **Studies**

Dr. Margarita Stancheva: Director

Minister of Regional Development and Public Administration

General Department for Regional Development and Infrastructure,

Bogdan Ghinea

Contact:

Ministry of Environment, Waters and Forests with National Committee of Coastal Zone Department for Water, Forests and

Fisheries (DWFF)

· Gheorghe Constantin Ministry of Transport with the **Commission of Integrated Maritime**

Inter-ministerial committee for coordination of EU's Integrated Maritime Policy Secretariat -DGSMAE and DN (Memorandum nr.20/9709/2009).

· Violanda Alayan

National Institute for Marine Research and Development "Grigore Antipa" Constanta. Romania, Laura Alexandrov

· Current main uses:



Tourism



Shipping





- . Other activities: agriculture and food products industry, port and underwater construction, shipbuilding, manufacturing industry, petrochemical industry, refineries, oil plants activities, nuclear energy industry, windmills power plants installed only on the coast, airport and air transport functioning and improving, steel processing industry
- · Future uses: increasing interest as energy hub
- . Concerns: nature protection and recreation under the Habitats Directive

One regional and four local MSPs finalised till 2014 under ICZM principle (national law), no legislation in place.

· Realized in the frame of the project PlanCoast, study case 12 NM, and annually improved by NIMRD (www.rmri.ro)















MSP IN PRACTICE

OPPORTUNITIES

STAY INFORMED

ABOU1



FUNDING PROGRAMME:

European Commission

SEA BASIN(S):



Black Sea

COUNTRIES:

Bulgaria Romania

STATUS:

Ongoing

COMPLETION YEAR:

Cross-Border MARitime Spatial PLANning in the Black Sea

PROJECT IMPLEMENTATION PERIOD:

January 2015 - December 2017

SPECIFIC FUNDING PROGRAMME:

EU DG MARE Calls for proposals

BUDGET:

2.050.000€

ABOUT THE PROJECT:

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

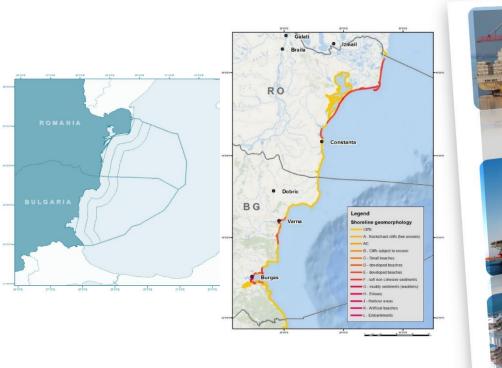


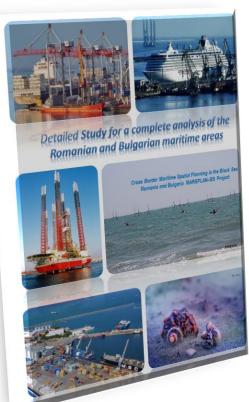


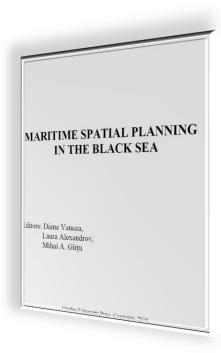




Results concerning data inventory









Elaboration of detailed studies for a complete analysis of the Romanian and Bulgarian maritime areas



Marine Space Monitoring







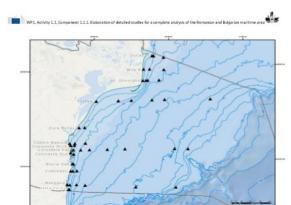


Fig. 7.1-1. NIMRD National Marine Monitoring Network- original NIMRD GA

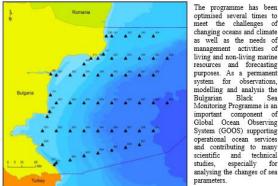


Figure. 7.2-1. Monitoring scheme (after Palazov et al., 2015)

living and non-living marine resources and forecasting purposes. As a permanent system for observations, modelling and analysis the Bulgarian Black Monitoring Programme is an important component of Global Ocean Observing System (GOOS) supporting operational ocean services and contributing to many scientific and technical especially for analysing the changes of sea

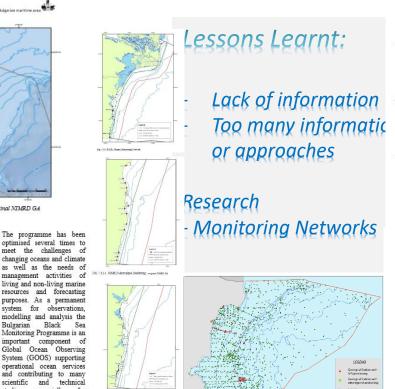
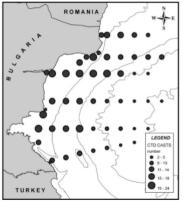


Fig. 7.1-3. GEOECOMAR Marine Monitoring Network



A total of 2464 stations with CTD casts were carried out during the observation period. The distribution of CTD cast by stations is shown on Figure 7.2-2. It is obvious that the largest amount of casts are gathered on stations from the regular monitoring net, as the maximum number of CTD casts for one station is 24. The stations sampled during some national and international programs are with single measurement. Those cases which are outside monitoring scheme are not shown on Figure 7.2-2

Fig. 7.2-2. CTD casts per stations (after Palazov et al.,

Table of Content











Elaboration of detailed studies for a complete analysis of the Romanian and Bulgarian maritime areas









	TOPIC	DESCRIPTION	DATA SOURCE	DATA TYPE	
S	1.Maritime space	Base line, territorial sea and EEZ.		Shape/Studies/ Reports	Galati Braila
	2.Coastal zone/ development plans	Coastal zone management plans.		Shape, Studies, Evaluation Reports	
	3.Boundaries related to EU Directives				RO
DARIE	Marine Strategy Framework Directive	Marine Strategy Framework Directive.		Shape/Study/Report	Constanta
NOO	Bathing Water Directive	Bathing waters designated under Directive 2006/7		Shape/Map/Study/ Report	STEEL STEEL
GEOGRAPHICAL BOUNDARIES	Urban Wastewater Directive	Sensitive areas (eutrophic/potentially eutrophic) designated under Directive 2006/113.		Shape/Map/Study/ Report	Dobric B G Varna Legend Shoreline geomorphol
GEOGR	Water Framework Directive	River basin districts and coastal and transnational water bodies designated under River Basin Plans		Shape/Map/Reports	A. Rockshard cliffs (for AC BL) Cliffs subject to eros C. Small beaches D. developed beaches E. developed beaches F. soft non cobeview G. muddy spointers
	Fisheries Policies and national provision	Boundaries established in the management measures concerning fisheries should be considered.		Shape/Map/Reports	H - Estuary J - Habour areas K - Artificial boaches L - Embankments



















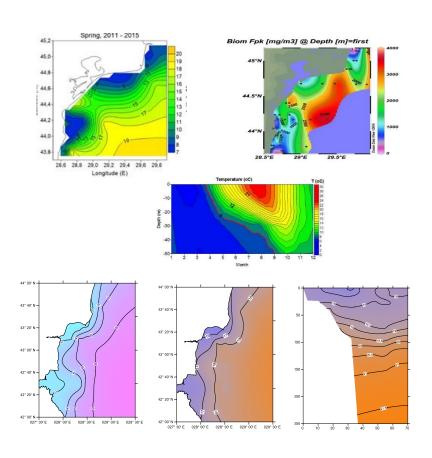








DC		1.Meteorology	All the relevant networks, stations and forecasting models
	PHYSICO-CHEMICAL CHARACTERISTICS		should be identified
		Weather station	Weather stations information should be collected including location, measured variables and statistic values.
		Wind	Statistics for available locations.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











samples and scores, geohabitats.







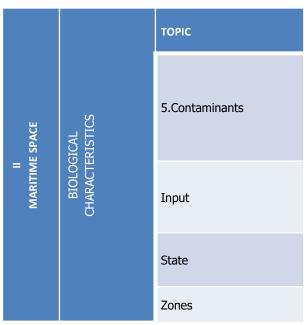


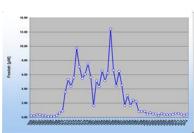


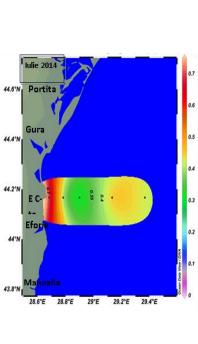






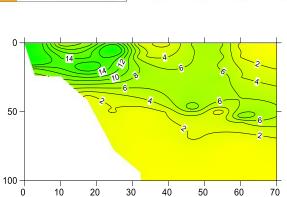






Chlorophyll a





Nutrients

Eutrophication indicators

















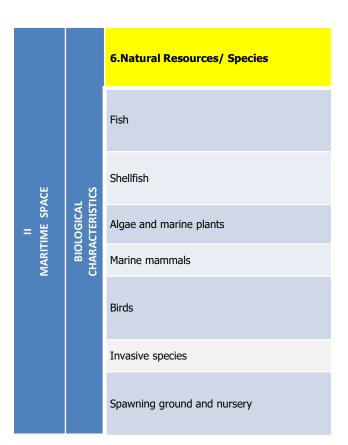


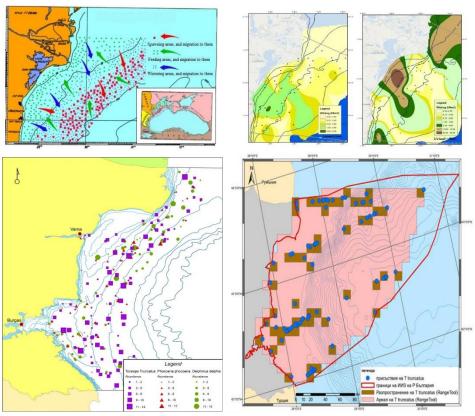






































THABITIME

SPACE

BIOLOGICAL

CHARACTERISTICS

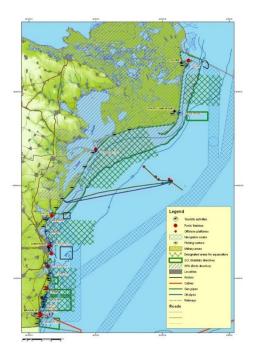
Benthonic habitats

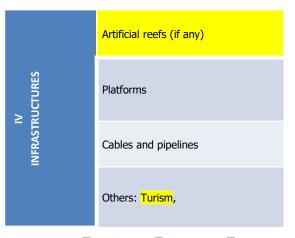
Pelagic habitats

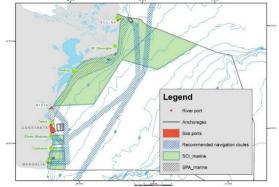
II
MARITIME
SPACE
UNDERWATER
ARCHAEOLOGY

Shipwreck inventory

Underwater archaeological sites





































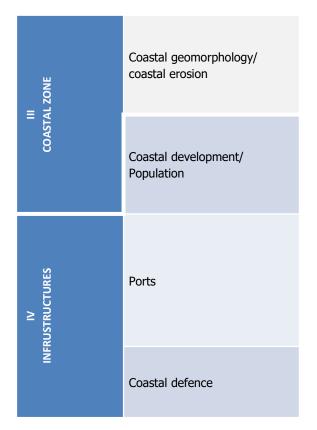










Fig. 3.5. c and d - Landslides under the promenade alley/sidewalk Eforie South

Coastal Erosion

Solution for consolidation or rehabilitation



















Coastal Erosion Solution for consolidation or rehabilitation







6.1.1.1.2. Actual trends of shoreline evolution

On short term, natural factors that influence coastal dynamics include 2 main categories: meteorological (wind by sand dissipation from emersion beach and wave and marine currents forming, temporally sea level increases) and hydrological (waves and currents—the main factors for shore dynamics, the oscillations of sea level).

Musura sector

After the extension of protection dykes from Sulina channel, sedimentation processes intensified mainly because sedimentary transport on Chilia arm was blocked. The present tendency is closing the bay and in the future to transform into a lagoon separated by the sea with a sand spit. Important sedimentation processes are highlighted in Musura bay. The maximum width of sedimentary deposits between 1975 and 2006 was ~ 50 m, this being the most active area.

The appearance of the island in from of Musura bay involves problems regarding border with Ucraina, which was until now on Musura arm. The border should be redefined according with actual geomorphological changes. GPS shoreline measurements in this sector showed the elongation to south (2007-2009 ~ 2 km) and translation to west (20-25 m/year) of the island, specific for Danube Delta sand spits (Fig. 6.1.1-2a,b).





Fig. 6.1.1-2a, b. Accretion area of Musura bay (summer 2009 and 2010)

Sulina - Sf Gheorghe sector

This sector is the most affected by erosion, with the higher rate of shoreline retreat ~ 25 m/year. I between 1975 and 1995, marine shore near Rosu lake suffered a relative low erosion, in the nex

Fig. 1 The coast all protection works extensions at Borie Nord (beach extension in construction phase through and nourisiment, 5-sectember 2015)

Lessons Learnt:

- More coastal maps than marine
- ICZM versus MSP
- Pressures evaluation
- Land-Sea interaction
- Own measurement

Hydrotechnical works



Fig. 3.2.6-4. Mamaia Suds sand nourishment



Fig. 3.2.6-5. Constanta Center and South sand nourishment



Fig 3.2.6-6. Eforie North sand nourishment





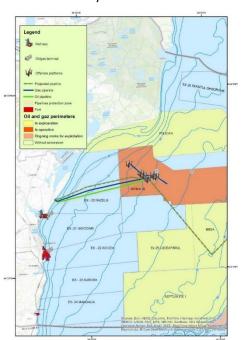


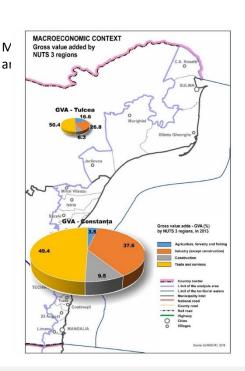


Industry

Analysis of the current socio-demographic processes

- Exploitation of non-living marine resources
 - Oil and gas industry
 - Refinery

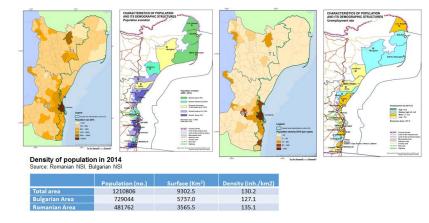




Characteristics of the population and its demographic structures

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

The structures of human resources



Lessons Learnt:

- Too many chapters
- Lack of experience

- Lack of knowledge
- Sharing responsibility

differences between approach



























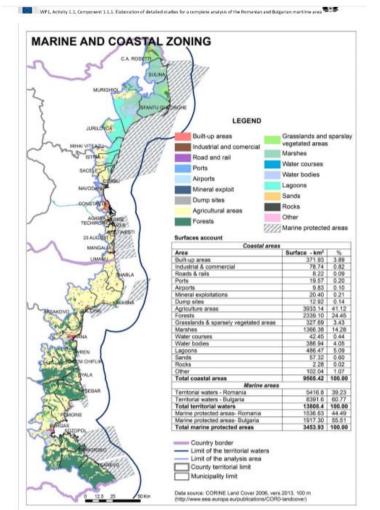
Romania-Bulgaria: sea-coast

ENERGY GENERATION AND TRANSPORT

Solar energy potential and photovoltaic plants in use

ENERGY GENERATION AND TRANSPORT

Solar energy potential and photovoltaic



(MARSPLAN-BS) Interim Activity Report No.3, Study 1.1.1. Version: Final









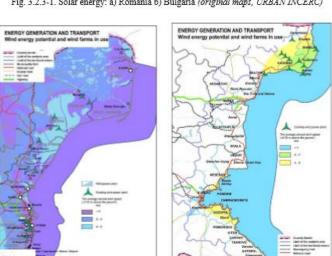












-2. Wind energy: a) Romania b) Bulgaria (original maps, URBAN INCERC)



Fig. 3.2.3-1. Solar energy: a) Romania b) Bulgaria (original maps, URBAN INCERC)









(for analysis, mapping and study cases) Romania-Bulgaria: sea-coast mapping

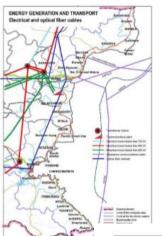
Lessons Learnt:

- More coastal maps than marine
- ICZM versus MSP
- Pressures evaluation
- Land-Sea interaction

3.2.4. Telecommunications (NIMRD, URBAN INCERC)

The coastal zone of Romania and Bulgaria is characterized by the existence of a well-developed telecommunications network, with links between the two countries both on shore and offshore. On the coastal area, the existing optical fiber lines belong to Romanian telecommunications service provider, TELEKOM and to Global Communication Net (GCN), Bulgarian supplier of similar services.





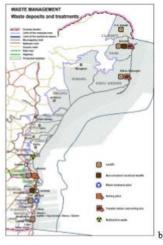




Fig. 3.2.5-9. Waste management (disposal and treatment) a) Romania, b) Bulgaria (original maps, URBAN INCERC)

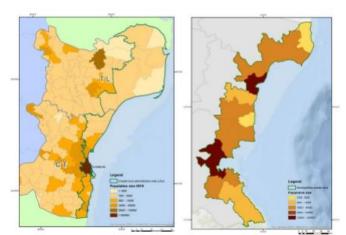


Fig. 4.1.1-1 - Population size (2015) a) Romania b) Bulgaria (original maps, NIMRD)

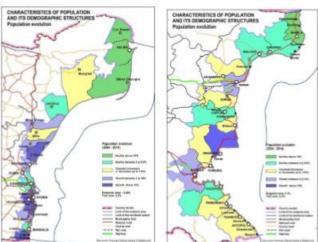


Fig. 4.1.1-2 Population evolution (2004-2014) (original maps, URBAN INCERC)









Romania-Bulgaria - sea-coast mapping: more detailed

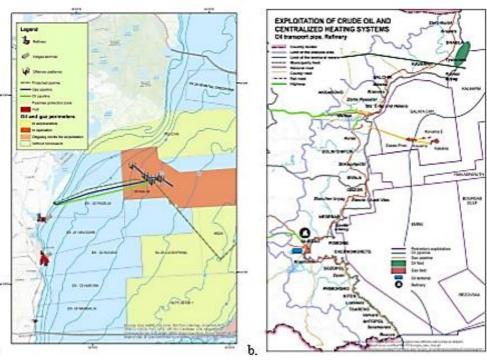


Fig. 5.2.1 -3 Exploitation of crude oil and gaz: a) Romania, b) Bulgaria (original maps, NIMRD, URBAN INCERC)

Lessons Learnt:

- There are only few activities on the sea
- Needs more coordinates



















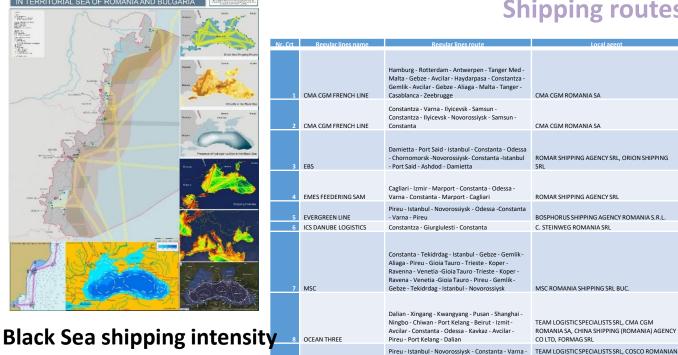


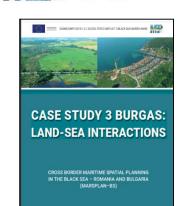
SHIP ROUTING SYSTEM

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

Infrastructures maps

Shipping routes







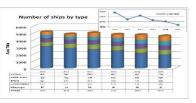






Fig. 5.4.1-2 Industrial and logistic park - Burgas



Istanbul - Thessaloniki

Kumnort - Gemlik - Odessa -Constanta

Pireu - Mardas - Novorossivsk - Odessa - Constanta

TBX / IM 2

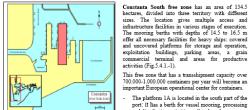
TURKON



ECONOMU INTERNATIONAL SHIPPING AGENCY

SHIPPING AND TRADING S.R.L.

DTS LOGISTIC SERVICES SRL



infrastructure facilities in various stages of execution. The mooring berths with depths of 14.5 to 16.5 m offer all necessary facilities for heavy ships: covered and uncovered platforms for storage and operation, exploitation buildings, parking areas, a grain

This free zone that has a transshipment capacity over 700.000-1.000.000 containers per year will become an

The platform 1A is located in the south part of the port: it has a berth for vessel mooring, processing and distribution activities, rail and road











Pressures on marine environment



Activities related with marine transport that can impact the marine environment are

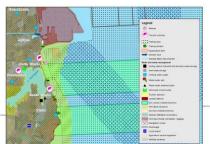
- Port Construction: coastal and sea, including dikes/dams, channels, pipelines, oil terminals
- Marine transport, navigation activities recreational boating

Physical effects:

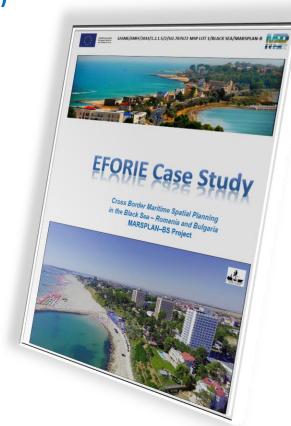
- ✓ Disturbance in coastal hydrodynamics and sediments flow
- ✓ Removing and substrate modification, turbidity etc;
- ✓ Destruction and fragmentation of habitats;
- Dredging and disposal of dredged material;
- ✓ Noise pollution/ Visual pollution;

Chemical / biological effects:

- ✓ Contamination of sea water: eg. Nutrients, pesticides; heavy metals, chemical substances, hydrocarbons in case of incidents
- ✓ 2007-2011 was recorded a total of 39 pollution incidents from both ashore and sea: discharges from ships, deficiency at operation systems, accidents during the loading unloading, sunken vessels it consisted mainly oil products,
- ✓ Oil and hydrocarbons products although impact the entire marine ecosystem most affected are seabirds and marine mammals
- Ships generate movements of water masses that changes the flow of nutrients into the water column amplifying eutrophication
- structural changes and decreased of fish resources in coastal areas
- · Increase quantities of marine litter
- Introduction of non-indigenous invasive species (fouling and ballast water and sedimenst) ex. Rapana venosa
- Noise pollution can affect the dolphin behavior, especially *Phocena phocena*

















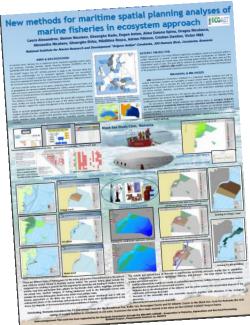




Conflict score between Natura 2000 sites
(Habitat Directive) and fisheries (pelagic trawl
and beam trawl)

The total conflict score was calculated using a 2 km GRID







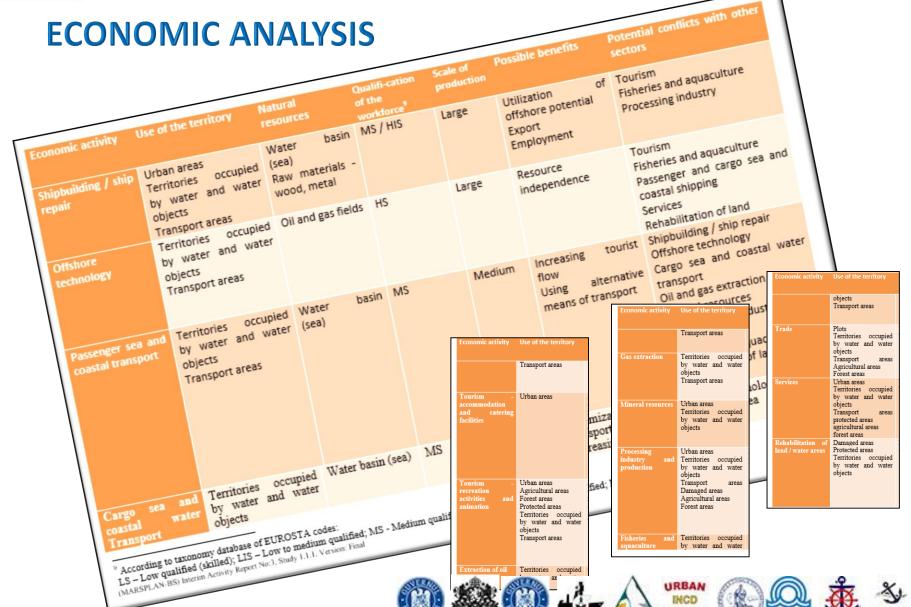








ECONOMIC ANALYSIS





ECONOMIC ANALYSIS









	V	4	4 2 21 4 4		
		the	the supra-territorial context		
	Strengths		Weaknesses		
•	The area is crossed by two trans-European transport corridors (road, rail and water): UI Rhine-Danube Corridor and IX OrientEast-Med Corridor The area has several gate-tities, major centres with important airports and ports with a high traffic capacity (Constanta, Varna) Transport (shipping, inland navigation, road transport and rail) is a key sector for cooperation (especially within the Black Sea Synergy, through the EU commitment to support regional transport cooperation)		The full potential of the Danube river and the Black Sea is not used enough for commercial and touristic, purposes: low level of accessibility by road, rail and water transport, in connection with the European macro-regional transport corridors Limited cross-sectorial cooperation and integrated governance on maritime and coastal issues in the region: regional environmental cooperation still in the early stages of its development in the Black Sea on formally established environmental cooperation between Russia, Armenia, Georgia, Azerbaijan and Turkey, in spite of the region's exceptional biodiversity value & severe threats The target area is geographically reduced and all activities are concentered in less than SiMm shoreline (on each country), thus overpassing the macroeconomic indicators, which implies a decline in the sustainable development Only 2 countries (Bulgaria and Romania) from Black Sea basin are UE members		

Opportunities

gional organizations and governmental agreements joint projects and promoting the improvement of the re capacity and governance through international cooperation ge of best practices:

il of maritime and coastal tourism as an area of cooperation to inclusion of a large number of stakeholders

f the main maritime stakeholders in participating in the ent of integrated policies and projects ort through policies & programmes (Blue Economy, Integrated Existence of discontinuities and hot points for traffic/transport fluency at regional scale

Threats

- Uncoordinated development along the coastline hinders the joint exploitation of the area and an efficient protection of the environment and natural resources
- existence of cultural and life (traditions, customs) differences which could hamper cooperation
- environmental impacts of oil and gas production & transportation in the Wider Black Sea Region on the study area
- Political and economic instability: embargoes, possible conflicts























Fig. 2.23, c,d. Stranded macrophytes









ECONOMIC ANALYSIS based of STAKEHOLDERS involvement **Problems identification by Skatch Match Method**

Uses

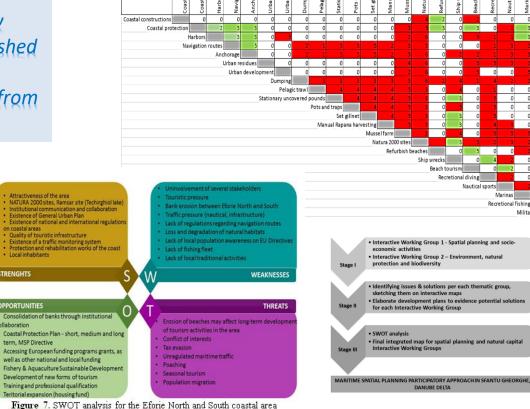
Lessons Learnt:

- Needs expertise consultancy
- Needs complex data established from the beginning
- Need integrative approach from governmental level

STRENGHTS



Figure 8 Stakeholders meeting workshop groups and resulted layers









Tourism *versus*

Pressures from the coast







9 sector fiches have been produced

- ✓ Fisheries;
- ✓ Marine aquaculture;
- √ Shipping;
- ✓ Oil & Gas production;
- ✓ Offshore wind energy;
- ✓ Tidal & wave energy;
- ✓ Marine aggregates;
- ✓ Coastal tourism:
- ✓ Pipelines & cables.



- ← Back to all sectors

- Adriatic Atlas to support ICZM and MSP

Projects related to Coastal and Maritime Tourism

- AMPAMED Areas Marinas Protegidas del Mediterráneo
- S BalticRIM Baltic Sea Region Integrated Maritime Cultural Heritage Management
- CO-EVOLVE Promoting the co-evolution of human activities
 and natural systems for the development of sustainable coasta

Coastal and Maritime Tourism

- Gross value added: € 183 billion[1
- State of the sector: Mature and growing?
- Presence across sea basins: Dispersed throughout all sea basins, strong in the Mediterranean region and growing around the Baltic Sea and Atlantic Ocean 3
- Lifetime of installations depends on sub-sec
- Semi-compatible with most uses[6]

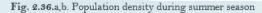
area based activity. In most cases maritime activities take place along the

oastline as well as between the shore and on-water tourism activity areas[7], while lepends on sub-sector needs and might be a crucial element for certain activities (e.g. water-based activities such as boating, yachting, nautical sports)

mplication of this type of tourism will remain the same: direct use of sea space particular and environmental pressure on land are among the factors deserving

Continued Growth: The expected continued growth in coastal tourism, both in terms of nights spent in coastal regions but also in number of tourists, has implications on onshore spatial planning mainly through the construction of new services/activities is likely to increase with the growing success of high profile ourism, characterised by a relatively high volume of visitors, high level of quality

Growth of so-called niche tourism (characterised by specific added-value service or locations) will strongly depend on holiday accommo n areas with rare sea birds). In turn, niche tourism is likely to impact areas with imited facilities and of high sensitivity, hence requiring specific infrastructures and









Natural growth has remained in negative trend since 1991, the number of births is lower than that of deaths compared to other adjacent areas, where it is positive (Fig. 2.57).



Study on Conflicts





Study on Cross-border consultations

Spatial conflicts in MSP: How to identify and address conflicting maritime spatial demands?

Focus on cross-sectoral conflicts with e a spatial dimension, at national, sub-national & cross-border scale

Based on real-life examples of conflicts, either from statutory MSP processes or from cross-border MSP projects

How to conduct transnational consultation on MSP Planning processes within the EU and with neighbours to the EU?

Investigates how a Member State should consult with their neighbours to ensure coherent plans.

Drawing from previous and on-going work to clearly identify best practice for a cross-border consultation process, presented through a conceptual framework for designing and conducting a consultation process design.





- Analysis of planner's data needs and knowledge gaps
- Overview of marine data categories and operational infrastructures relevant for MSP processes
- Review of EU projects and initiatives

MSP for Blue Growth (2018)

- Methodology for developing a vision
- Methodology to investigate current and future potential spatial demands of key maritime sectors

SPt0 tooks A A 4

Manual on MSP indicators for sustainable Blue Growth

MSP Platform FAQ Section provides 'short-cuts' to practical information for MSP data issues and Blue Growth topics





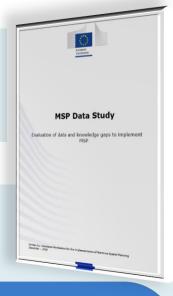




Data for MSP (2017)

Study on Data and Knowledge Gaps to implement MSP

1st technical study MSP Assistance Mechanism



Evaluation of data and knowledge gaps to implement MSP

- Desk research
- Analysis of planners' needs
- Interviews with data specialists in 16 EU MS

Outcomes





- Different styles of planning, different types of evidence
- **Each country has different resources**
- Countries are using similar data categories
- Common information gaps in aggregated data
- Issues relating to the interpretation of data promote more exchange on related practices
- Need for spatial evaluation tools, e.g. economic impact analysis, social impact analysis of marine use constellations.



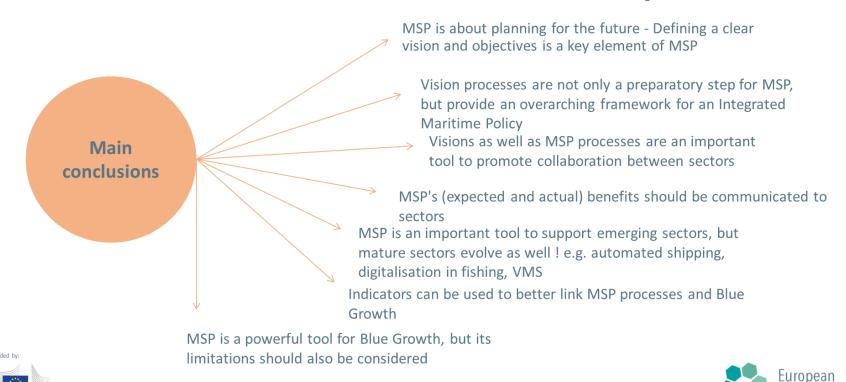






Main Conclusions

Main conclusions – MSP for Blue Growth Study



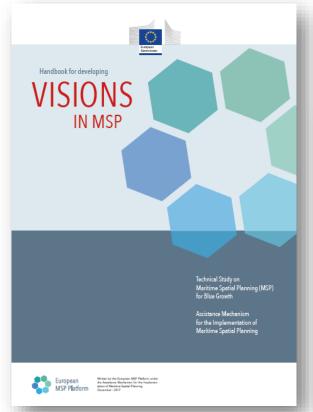


Vision Handbook Publication



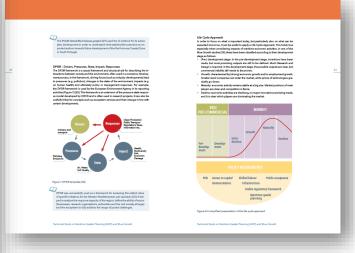


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