METHODOLOGICAL GUIDELINES TO PERFORM LSI ANALYSIS WITHIN MSP IN THE MEDITERRANEAN CONTEXT

Operative guidelines to develop analysis of land-sea interactions, as part of the marine spatial planning (MSP) process, and assessment of feasibility of application

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on-line presentation 15 September 2021

THE BARCELONA CONVENTION CONTEXT

CONCEPTUAL FRAMEWORK FOR MARINE SPATIAL **ANNING IN THE** MEDITERRANEAN



Conceptual Framework for MSP in the Mediterranean (2018)

- To introduce MSP in the framework of the Barcelona convention.
- To link MSP to ICZM considering MSP as the main process/tool for the implementation of ICZM in the marine part of the coastal zone
- > To provide a common context for the implementation of MSP in the Mediterranean

PROTOCOL **ON INTEGRATED COASTAL** ZONE MANAGEMENT IN THE MEDITERRANEAN

PROTOCOLE **RELATIF À LA GESTION INTÉGRÉE** DES ZONES CÔTIÈRES DE LA MÉDITERRANÉE

PROTOCOLO **RELATIVO A LA GESTIÓN** INTEGRADA DE LAS ZONAS COSTERAS DEL MEDITERRÁNEO









Common Regional Framework for Integrated Coastal Zone Management



Common Regional for ICZM in the Mediterranean (2019)

ICZM Protocol (2008)

BUILDING ON AVAILABLE TOOLS AND EXPERIENCES



THE PROPOSED GUIDELINES: OVERVIEW

OBJECTIVE: Provide a **practical** and **operative** methodology that can help analysis of LSI in the context of MSP and can be adopted across the Mediterranean

The methodological guidelines foresee the compilation of a **catalogue of interactions**, populated with semi-quantitative and quantitative information

The guidelines propose a step-wise, tiered approach and identifies 14 Steps

Stakeholder engagement is a key component of the proposed methodological guidelines

LSI ANALYSIS

OTHER PLANNING PROCESSES



STREAMLINED WITH THE MSP PROCESS CHECKLIST TOOL

CATALOGU	JE OF INTERACTIONS													
LSI IDENTI	FICATION, LOCATION, I	DESCRIPTION (Step 1-4)						POLICY ANALYSIS (Step 5)				ASSESS		
NATURAL	INTERACTIONS: SEA-TO	D-LAND												
								REGULATIONS AND PLANS				RELEVANCE OF INTE		
-	PROCESSES DETERMINING INTERACTIONS	INTERACTION	LOCATION (GEOGRAPHIC)	TYPE OF COASTAL/MARIN E ZONE	LOCATION (PLAN AREA)	SPACE OF INTERACTION (AT SEA)	DESCRIPTION OF INTERACTION	Legislation	Plans	Other documents	Gaps/Conflicts/s ynergies	Environment	Society	Fishing
meteorologic	al events, algae bloom,	Examples: coastal erosion, saline intrusion, marine flooding										Positive/Negativ e Low/Medium/Hi gh	e	e
NOTES				Use the drop-down menu	Use the drop-down menu	Use the drop-down menu						You can describe		-
												You can assess t Negative - High Negative - Mediu Negative - Low		sing this scale:
												Neutral Positive - Low Positive - Mediu Positive - High	n	
•	Natural LSI - StL	Natural LSs - LtS	Uses and	d Activities LS	SI-StL Us	es and Activ	ities LSI - LtS Foglio1 +		÷ •					►

TEST CASES: MALTA

Revision of the Strategic Plan for the Environment and Development (SPED)

PARTICIPATORY PROCESS

- Prepare a LSI catalogue
- Identify the most relevant LSI
- Share motivations for selection
- Qualitatively assess the relevance of LSI

					RELEV	ANCE						
	ON		ON USES AND ACTIVITIES									
TYPE OF PROCESS	ENVIRON MENT	ON SOCIETY	Professio nal fishery	re transport		Energy	Coastal tourism	Maritime tourism	Protected areas			
Marine transport (Cargo &	Negative - Medium	Positive - High	Neutral	Neutral	Negative - Low	Positive - High	Positive - Medium	Positive - High	Positive - High	Negative Medium		
Storms	Negative - Low	Negative - Low	Negative Low	Negative - Low	Negative - Low	Negative - Medium	Negative - Low	Negative - Medium	Negative - Low	Negative Medium		
Breeding Grounds (Turtles & Seabirds)	Positive - High	Positive - High	Neutral	Neutral	Negative - Low	Neutral	Neutral	Positive - Medium	Positive - Medium	Positive - High		
Construction and Demolition waste	Negative - Medium	Positive High/Negative Medium (depending on	Neutral	Negative - Low	Neutral	Negative - Low	Neutral	Negative - Low	Negative - Low	Negative Low		
Coastal Erosion	Negative - Medium	Negative - High	Negative Low	Negative - Low	Neutral	Neutral	Negative - Medium	Negative - High	Negative - Medium	Negative Medium		



Spatial distribution of LSI in the Maltese islands: understanding spatial features of LSI and identification of hot-spots

TEST CASES: ITALY

The Italian national MSP process: CONCEPTUAL PROCESS



TEST CASES: MONTENEGRO

Hot-spot identification



CONCLUSIONS SO FAR

✓ The guidelines shall be adopted in a flexible manner to reflect the state and needs of MSP development in a country

✓ The concrete application of the methodological guideline requires dedicated efforts in terms of resources and time and data availability

✓ The experience on ICZM should be capitalized and facilitate engagement of actors and collection of knowledge

✓ The geographic scale influences the LSI analysis in terms of selection of relevant formation, availability of needed information, depth of the analysis, type and entity of the interactions identified. When applying the methodological guideline, the scale of analysis shall be clearly defined.

✓ Collaboration, co-production of knowledge and sharing of needs and priorities between maritime and terrestrial planning communities are fundamental to pave the way toward the best practice of planning.

Thank you!

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