Using MSP to support healthy seas with well managed MPA networks

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The ecosystem is the basis of resilience

- **Creating healthy seas**
- **Well managed networks of MPAs are backbones for biodiversity and recolonization in times of crisis**
- **Delivering ecosystem services**
- **Milestones on the way towards Good Environmental Status**

State of MPAs in Europe

- **Greater North Sea, Northern Med, Baltic above 10%**
- **Mainly coastal**
- **Network coherence : target failed**

Source : EEA report 2015

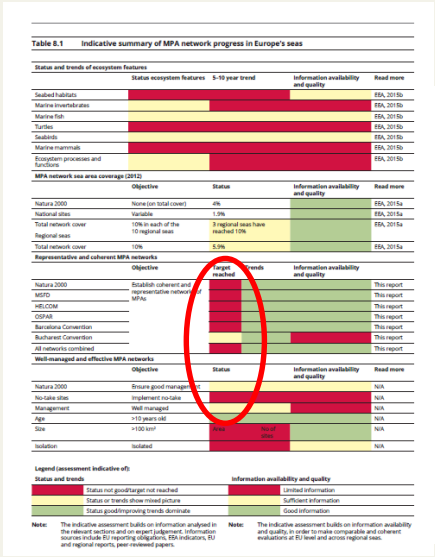


Table 8.1 Indicative summary of MPA network progress in Europe's seas

Status and trends of ecosystem features

	Status ecosystem features	5–10 year trend	Information availability and quality	Read more
Seabed habitats				EEA, 2015b
Marine invertebrates				EEA, 2015b
Marine fish				EEA, 2015b
Turtles				EEA, 2015b
Seabirds				EEA, 2015b
Marine mammals				EEA, 2015b
Ecosystem processes and functions				EEA, 2015b

MPA network sea area coverage (2012)

	Objective	Status	Information availability and quality	Read more
Natura 2000	None (on total cover)	4%		EEA, 2015a
National sites	Variable	1.3%		EEA, 2015a
Total network cover Regional seas	10% in each of the 10 regional seas	3 regional seas have reached 10%		EEA, 2015a
Total network cover	10%	5.9%		EEA, 2015a

Representative and coherent MPA networks

	Objective	Target reached	Trends	Information availability and quality	
Natura 2000	Establish coherent and representative network of MPAs				This report
MSFD					This report
HELCOM					This report
OSPAR					This report
Barcelona Convention					This report
Bucharest Convention					This report
All networks combined					This report

Well-managed and effective MPA networks

	Objective	Status	Information availability and quality	Read more
Natura 2000	Ensure good management			N/A
No-take sites	Implement no-take			N/A
Management	Well managed			N/A
Age	>10 years old			N/A
Size	>100 km²	Area / No of sites		N/A
Isolation	Isolated			N/A

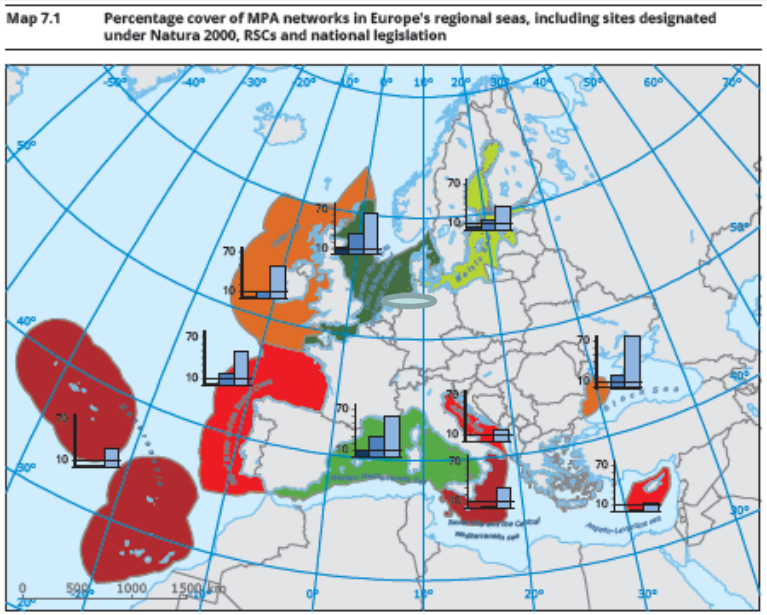
Legend (assessment indicative of):

Status and trends
- Status not good/target not reached
- Status or trends show mixed picture
- Status good/improving trends dominate

Information availability and quality
- Limited information
- Sufficient information
- Good information

Note: The indicative assessment builds on information analysed in the relevant sections and on expert judgement. Information sources include EU reporting obligations, EEA indicators, EU and regional reports, peer-reviewed papers.

Note: The indicative assessment builds on information availability and quality, in order to make comparable and coherent evaluations at EU level and across regional seas.



Map 7.1 Percentage cover of MPA networks in Europe's regional seas, including sites designated under Natura 2000, RSCs and national legislation

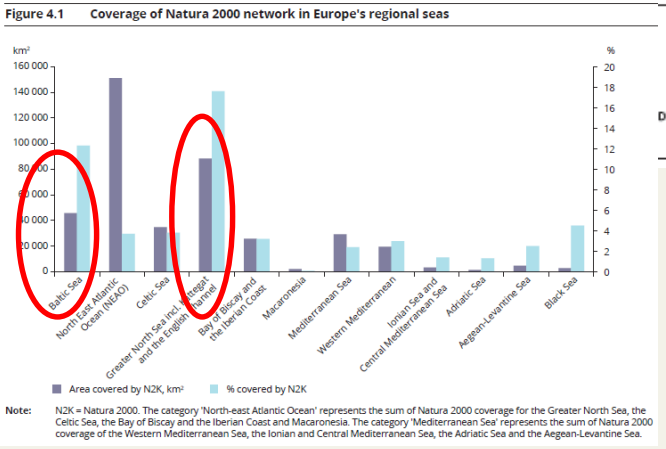
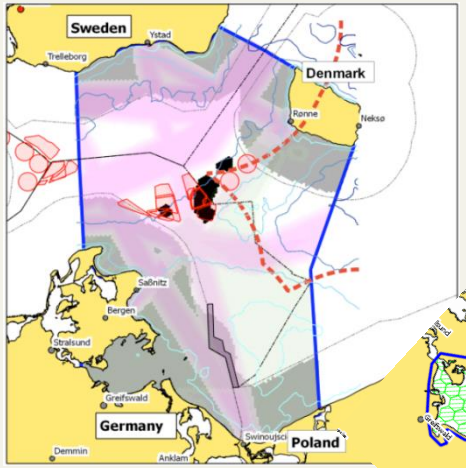


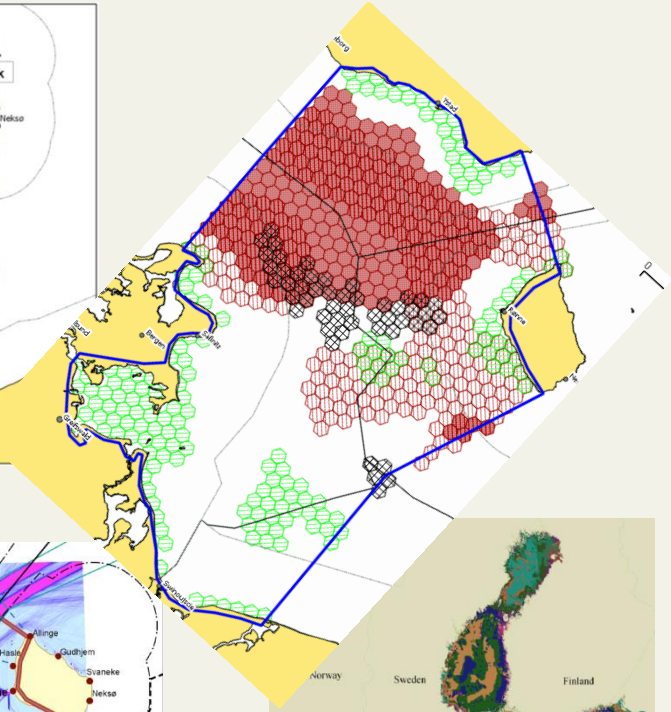
Figure 4.1 Coverage of Natura 2000 network in Europe's regional seas

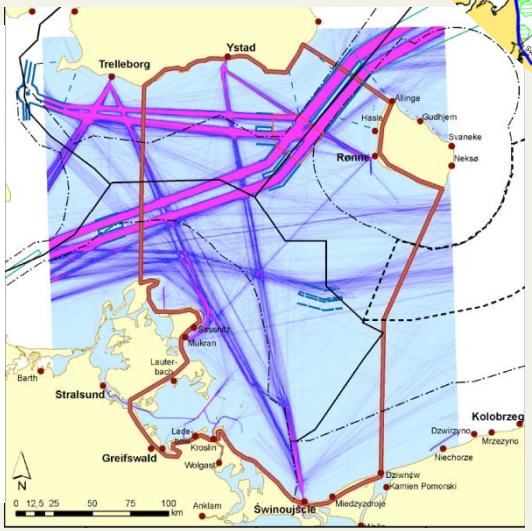
Note: N2K = Natura 2000. The category 'North-east Atlantic Ocean' represents the sum of Natura 2000 coverage for the Greater North Sea, the Celtic Sea, the Bay of Biscay and the Iberian Coast and Macaronesia. The category 'Mediterranean Sea' represents the sum of Natura 2000 coverage of the Western Mediterranean Sea, the Ionian and Central Mediterranean Sea, the Adriatic Sea and the Aegean-Levantine Sea.

Tools to support decisions in MSP

- **Suitability mapping with Decision support tools (MPA networks, wind areas, fisheries)**
- **AIS tracks**
- **Marine landscapes**
- **Data availability**







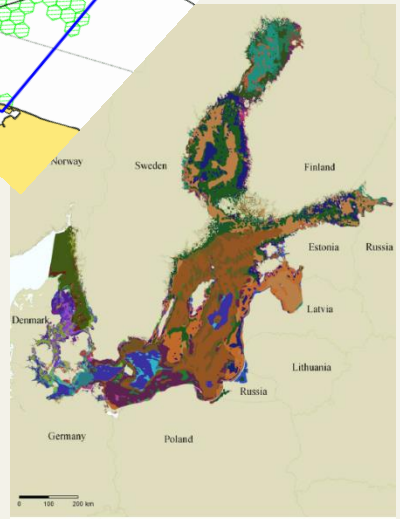


Figure 5. Benthic marine landscape map of the Baltic Sea. Source: BALANCE.

Early Involvement of stakeholders

- **Early involvement**
- **Include all relevant stakeholders**
- **Targeted communication**
- **Plannig the ressources and time needs**

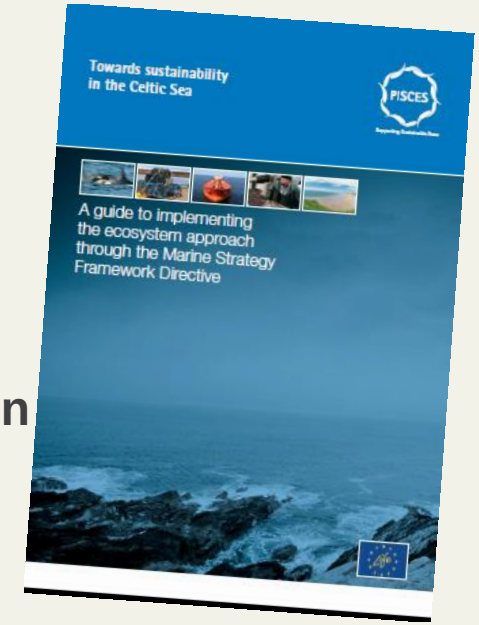
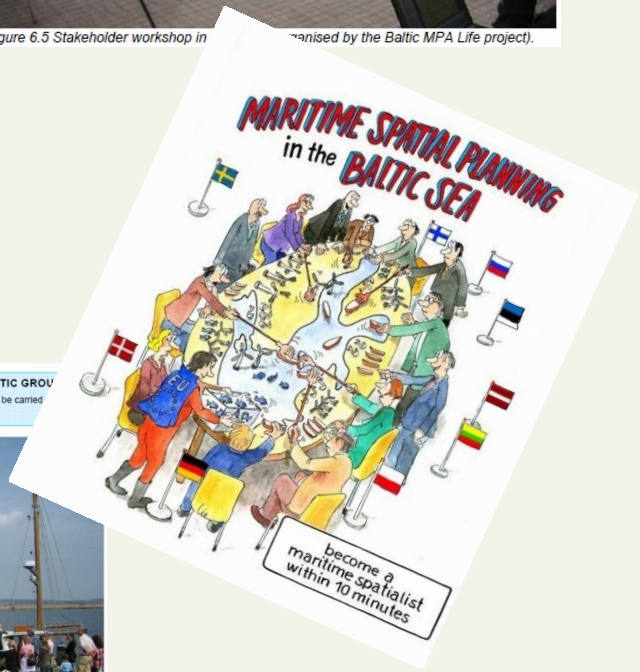


Figure 6.5 Stakeholder workshop in ... anised by the Baltic MPA Life project).



The BaltSeaPlan workshop series on MSP and Maritime Governance linked national and trans-boundary experiences in MSP. © BEF Estonia

MPAs: priority areas in MSP plans

- **Best knowledge needed for MSP and MPAs**
- **MSP role: safeguard biodiversity values from unsustainable use**
- **In zoning plans MPA can mean „no take“ to sustainable co-uses**
- **Delivering data and management of MPAs task of conservation**

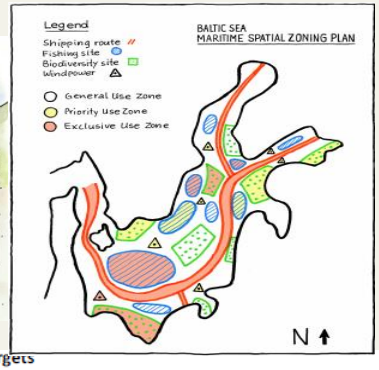
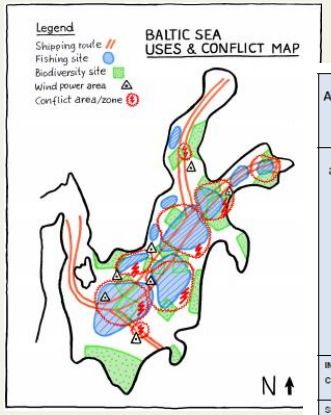


Table 4. Threat Ranking of Conservation Targets

Threats \ Targets	Sharks	Marine Turtles	Corals	Key coastal-marine ecosystems	Summary Threat Rating
Degradation of key coastal and marine habitats	Medium	Medium	High	High	**High**
Coastal & marine pollution	Low	Medium	Medium	High	**Medium**
Poaching	High	High	Low	Low	**High**
Bycatch	Medium	High	N/A	N/A	**Medium**
Shark finning	High	N/A	N/A	N/A	**Medium**
Overfishing/ overharvesting	High	High	Medium	Medium	**High**
Summary Target Ratings:	**High**	**High**	**Medium**	**High**	**High**



HUMAN ACTIVITIES AND USES WITHIN ZONES	PRESSURES AND IMPACTS (as defined in table 2 in Annex III of the Marine Strategy Framework Directive							ZONES			
See zoning plan and zoning maps for full details	PHYSICAL LOSS	PHYSICAL DAMAGE	OTHER PHYSICAL DISTURBANCE	INTERFERENCE WITH HYDROLOGICAL PROCESSES	CONTAMINATION BY HAZARDOUS SUBSTANCES	NUTRIENT AND ORGANIC MATTER ENRICHMENT	BIOLOGICAL DISTURBANCE	1. GENERAL USE ZONE	2. TARGETED MANAGEMENT ZONE	3. EXCLUSIVE USE ZONE	4. RESTRICTED ACCESS ZONE
INFRASTRUCTURE & CONSTRUCTIONS											
Shoreline buildings	***	***			*	**	*	Permit	Restricted + Permit	No, except when part of the exclusive use (Permit)	NO, unless part of the agreed use (Permit)

Baltic Trends to MedTrends

- **Future sea uses will impact MPAs**
- **Forecasts help identifying planning hot spots**
- **N2000 and EBSAs**

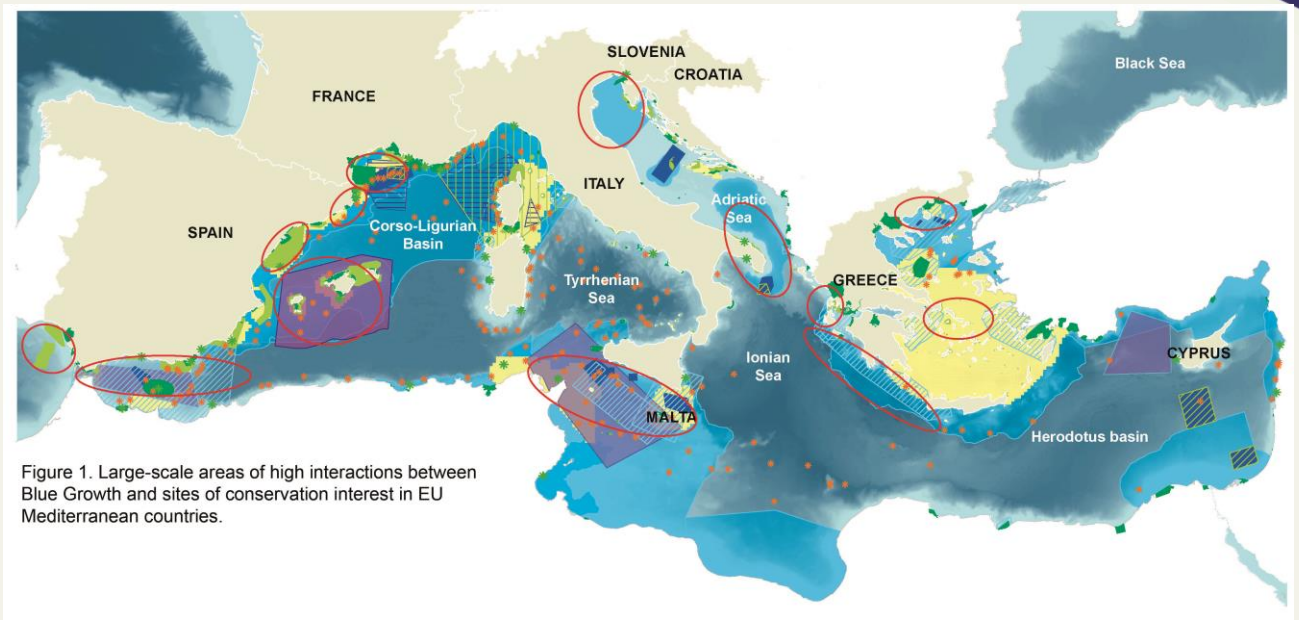
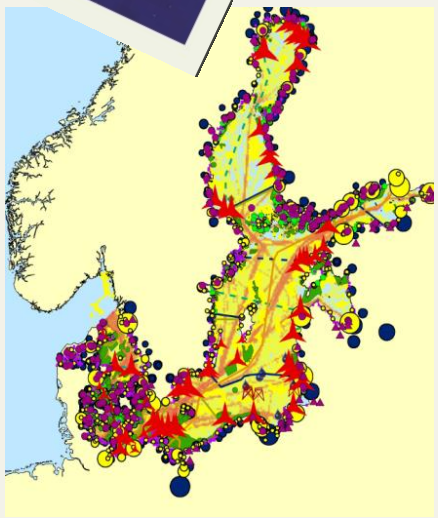


Figure 1. Large-scale areas of high interactions between Blue Growth and sites of conservation interest in EU Mediterranean countries.



Sustainable Blue Economy accepts limits

- **Sustainable Economy only functions within the ecosystem‘s carrying capacity**

- **MSP for unlimited growth is not sustainable.**

Sustainable Blue Economy suggested by WWF includes:

- **Social and longterm economic benefits**
- **Protection of biodiversity, resilience and productivity of marine ecosystems**
- **Based upon clean technology and circular material flows.**

Download principles : www.panda.org/balticblue

Merci !
Thank you!