

MARINE POLLUTION – ESPON EVIDENCES

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How EU Member States develop marine strategies



Assess



Define ideal
environmental
state of seas



Set
targets



Monitor



Identify and
implement
actions
needed

MARINE ENVIRONMENT – INTERNATIONAL LEGISLATION ON PREVENTION OF POLLUTION

INTERNATIONAL

- International Maritime Organization
- MARPOL convention 1978 (ships)
- ...

REGIONAL

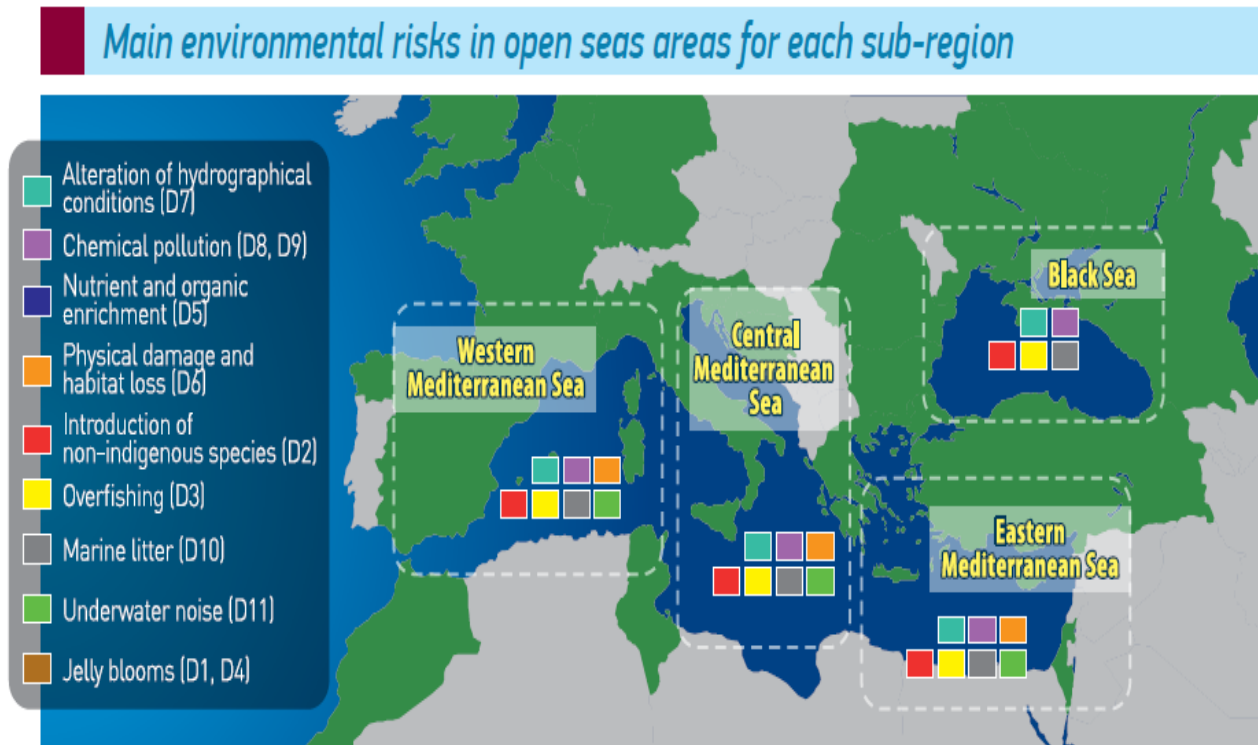
- OSPAR, HELCOM, Barcelona convention and **Bucharest convention (Black Sea)**

LINKING SECTORS TO SOURCES OF POLLUTION

Table 4 Coverage of activities reported by Atlantic marine region Member States

Activity	Short name	BE	DK	FR	DE	IE	NL	ES	SE	UK
Energy production: Marine-based renewable energy generation (wind)	RenewableEnergy									
Energy production: Marine hydrocarbon (oil and gas) extraction	OilGas									
Extraction of living resources: Seaweed and other sea-based food harvesting	SeaweedOther Seafood									
Extraction of living resources: Extraction of genetic resources/bioprospecting/maerl	GeneticBioprospectMaerl									
Extraction of living resources: Fisheries incl. recreational fishing (fish and shellfish)	Fisheries									

BLACK SEA AND MARINE POLLUTION SOURCES



- Population
- Coastal erosion
- Tourism
- Food processing
- Agriculture
- Transport / shipping
- ...
- **→ need for more knowledge on the Black Sea ecosystems and the link between sectors and sources of pollution – EMBLAS project (next ppt)**

EXISTING MEASURES

- EU countries
 - Program of Measures per country adopted since 2017
 - Special Protected Areas / Special Areas of Conservation
 - Source measures (e.g. spatial planning on land) and end-of-pipe measures (e.g. treatment of waste water)
- Measures related to each international law or convention e.g. ballast water, ban of TBT-use,

- Marine spatial planning as measure ?

THE FUTURE

- Crucial role for the Black Sea Commission continues
- Black Sea Countries + EU 2019 signed SRIA
 - Strategic Research and Innovation Agenda
 - Themes such as “integration of land sea interaction to the deep basin”, “incentives for innovation in developed blue sectors”, “nurture emerging blue black sea sectors”
- Marine spatial planning as a measure ?