

# MSP Data Framework

## TEG sub-grpoup

Maria Katsika, Alessandro Sarretta, Vassilis Gekas, Andrej Abramic

# Objective of the sub-group

- ▶ Development of the MSP data framework;
- ▶ Define INPUT data - clusters for the MSP process;
- ▶ One step forward on the data harmonization, is to define what type of input data will be used in the MSP process
- ▶ Required for the continuous evaluation and monitoring of the plans;
- ▶ What type of information needs to be considered within the MSP on existing and future conditions;
- ▶ Define clusters that cover data needs with requirements;
- ▶ Identify “ready to use” products of the EU data initiatives (Copernicus, EMODNet, EEA SDI...) , that are falling into the clusters of the framework - support the harmonization
- ▶ Iterations of the framework, mapping data collections of MSP processes;
- ▶ Report with description of the MSP data framework

# Starting point

PLASMAR Project (2017-2020)

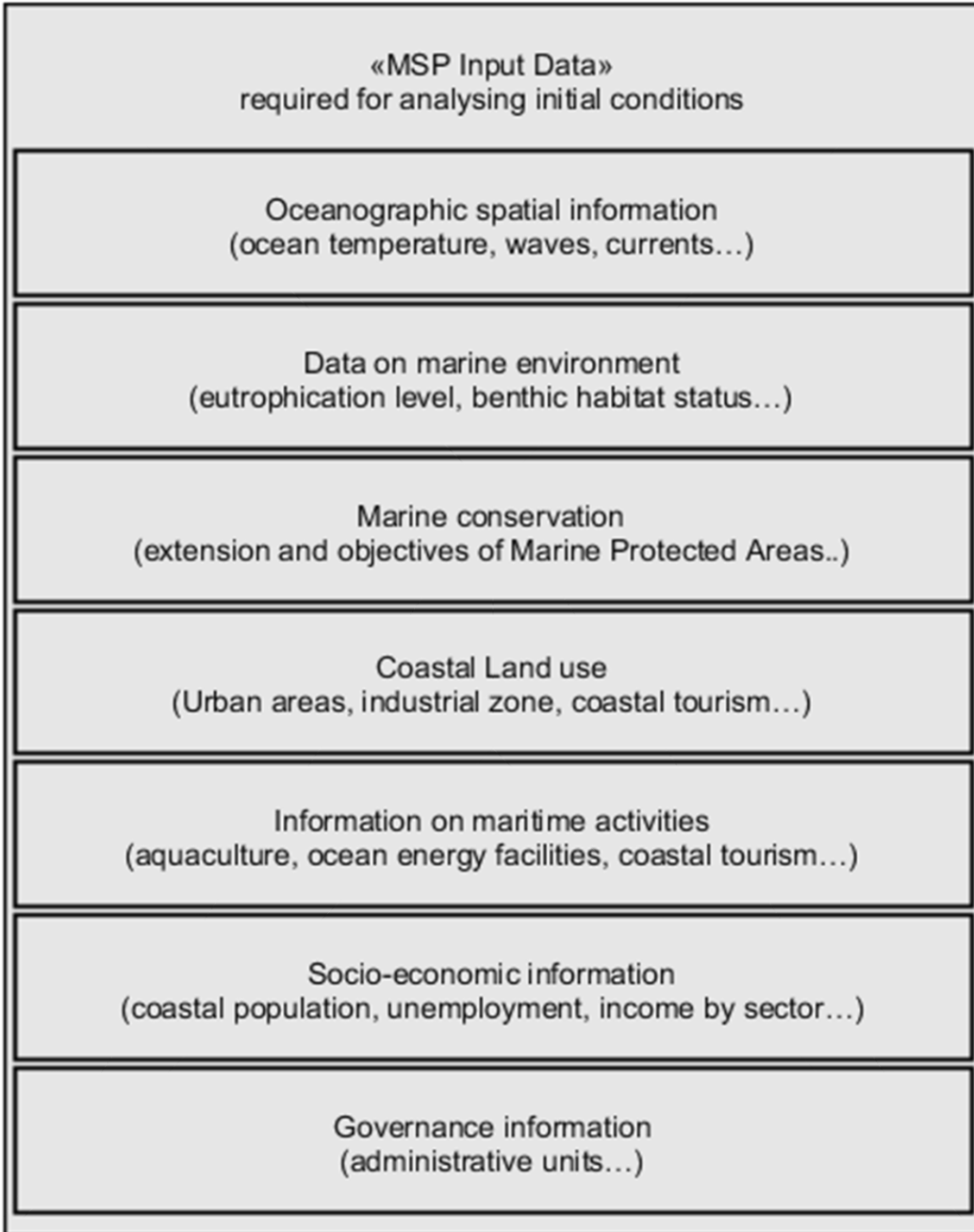
## PLASMAR MSP data framework



### MSP Input Data

required for analysing initial conditions

- **Oceanographic spatial information**  
(ocean temperature, waves, currents...)
- **Data on marine environment**  
(eutrophication level, benthic habitat status...)
- **Marine conservation**  
(extension and objectives of Marine Protected Areas...)
- **Information on coastal and maritime activities**  
(aquaculture, ocean energy facilities, coastal tourism, ports and harbours...)
- **Socio-economic information**  
(coastal population, unemployment, income by sector...)
- **Governance information**  
(administrative units, prospecting permits...)



## 1<sup>st</sup> draft of the MSP data framework

- ▶ Data & information needed for analyzing initial and future conditions
- ▶ We need to test it with other data collections;
- ▶ Projects and national MSP processes;
- ▶ What is missing, what is not considered and what 1st draft of data framework does not include...
- ▶ On the base of the outliers update and iterate the MSP data framework

# Greece

Geophysical environment

Administrative Boundaries

Energy / Mineral Resources

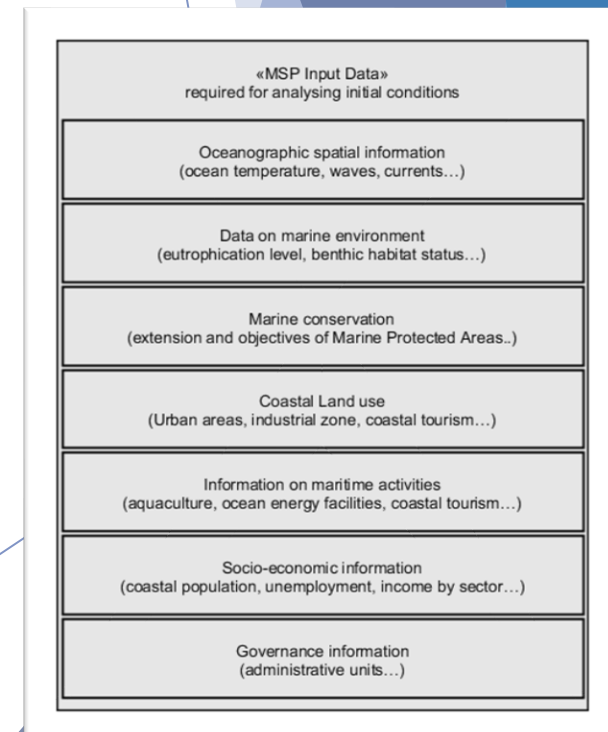
Physical / Chemical / Biological Information

Infrastructure / Facilities      Pressures and Threats / Protected Areas

Spatial Policy / Planning      Activities / Uses

Socio-Economic-Demographic Factors

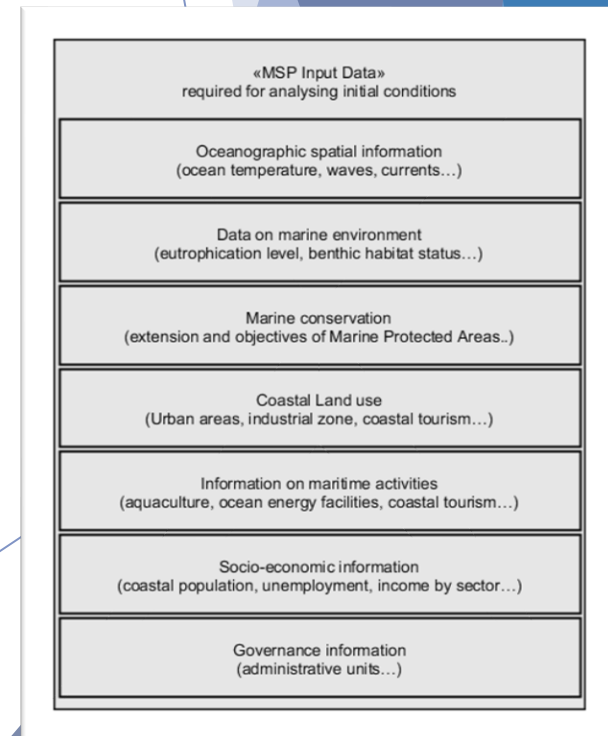
- ▶ Reference Geospatial layers, coastal lines and islands, topography;
- ▶ River basins, WFD water bodies, monitoring network
- ▶ Climate data, rainfall, wind potential on the land...
- ▶ “*Pressures and Threats / Protected Areas*” topic , includes Volcanoes, Maritime accident risk areas, Marine pollution incidents, Coastal floods,



# Italy

Transports  
Aquaculture  
Legal regime  
Fishery  
Protected areas  
Energy  
Coastal and maritime tourism  
Marine reporting units (MSFD)  
Coastal risk  
Cultural heritage  
Research  
Seabed habitats  
Military constraints  
Distribution of pelagic target species  
Distribution of contamination indicators

► Coastal risk, coastal erosion;



# MSPMED Project questionnaire

France, Italy, Spain, Slovenia, Malta, Greece

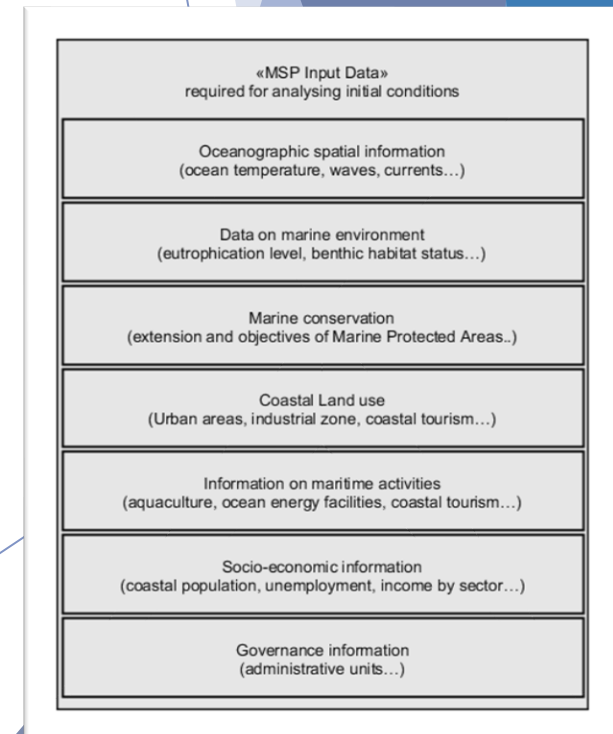
Activities/uses

Physical/Chemical/Biological information

Boundaries

Socio economic data

► Maritime security and safety



# 1st MSP Data Framework iteration

«MSP Input Data» required for analysing initial conditions
Oceanographic spatial information (ocean temperature, waves, currents...)
Data on marine environment (eutrophication level, benthic habitat status...)
Marine conservation (extension and objectives of Marine Protected Areas...)
Coastal Land use (Urban areas, industrial zone, coastal tourism...)
Information on maritime activities (aquaculture, ocean energy facilities, coastal tourism...)
Socio-economic information (coastal population, unemployment, income by sector...)
Governance information (administrative units...)

«MSP Data Framework» Input data for MSP process and continuous evaluation and monitoring
<b>Oceanographic characteristics and coastal climate</b> (ocean temperature, waves, currents, rainfall, wind on the sea & land...)
<b>Marine &amp; coastal environment</b> (eutrophication level, benthic habitat status...)
<b>Marine conservation &amp; Designated sites</b> (MPAs, designated sites...extension & objectives)
<b>Coastal Land use, Land cover &amp; Planning</b> (Land activities, cover & planning)
<b>Operative maritime uses and Planning</b> (aquaculture, ocean energy facilities, coastal tourism, sectorial plans ...)
<b>Socio-economic information</b> (coastal population, unemployment, income by sector...)
<b>Governance information</b> (administrative units...)