



Union for the Mediterranean  
Union pour la Méditerranée  
الاتحاد من أجل المتوسط



13<sup>th</sup> UfM Working Group on Blue Economy (Brussels - 14 March, 2023)

Monitoring and Reporting by Ministerial priority:  
Progress on the Roadmap for the implementation of the 2021 UfM  
Ministerial Declaration on SBE – **Türkiye**

# 1. Governance and the future of sea basin strategies in the Mediterranean region

## Main Strategies/Plans/Projects

11th Development Plan (2019-2023)

2053 Transport and Logistics Master Plan

European Green Deal National Action Plan 2021

National Energy Plan

Strategies and Action Plans on Climate Change

National Intelligent Transport Systems and National Smart Cities Strategy

Regional Plan for the Marine Litter Management in the Mediterranean (2013)

Marine Environment Protection Strategy Document and Action Plan



# 1. Governance and the future of sea basin strategies in the Mediterranean region

## Partnerships with International Organizations



# 1. Governance and the future of sea basin strategies in the Mediterranean region

## Regional Cooperation

Party to Barcelona Convention for the Protection of the Mediterranean Sea Against Pollution

Adopted Mediterranean Strategy for Sustainable Development (MSSD)

Member of General Fisheries Commission in the Mediterranean (GFCM)

Founding Member of MedPAN

Member of IUCN - The International Union for Conservation of Nature (IUCN)

Involvement in Euro-Mediterranean Regional and Local Assembly (ARLEM)

Member of MedCities with Six Municipalities

Member of The Mediterranean Wetlands Initiative (MedWet)

Contribution and Active Participation in UfM Regional Transport WGs and Documents

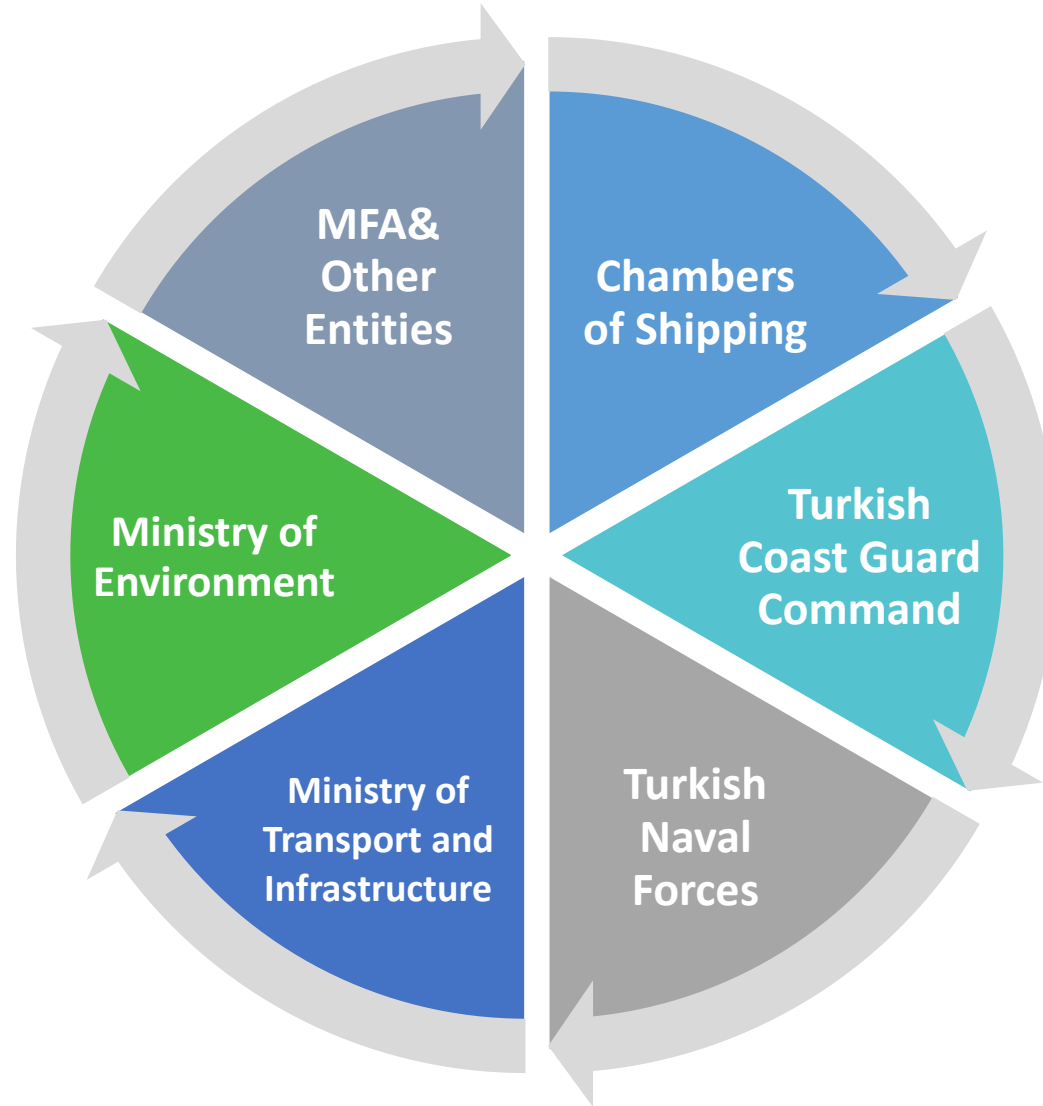
Signatory of the 1st and 2nd Ministerial Declaration on Sustainable Blue Economy

Contribution to BlueMed Initiative and SRIA



# 1. Governance and the future of sea basin strategies in the Mediterranean region

Stakeholders gather regularly under the National Maritime Coordination Commission



## 2. Marine research and innovation

**National Marine Research Strategy Document** issued in 2014

**Marine Research Programme** prepared for 2018-2027 including

- protection and sustainable use of marine natural resources,
- development of marine monitoring and observation systems,
- development of sea bottom observation and mapping techniques.

### **National Research Institutions**

- Marmara Research Center (MRC) of The Scientific and Technological Research Council of Türkiye (TUBİTAK)
  - › Earth and Marine Science Institute (EMSI)
  - › Polar Research Institute (PRI),
- National Centre for the Sea and Maritime Law (DEHUKAM),
- Middle East Technical University Marine Sciences (METU IMS),
- Istanbul University Institute of Marine Science and Management (IU-IMSM)
- Dokuz Eylül University Institute of Marine Science and Technology (DEU-IMST),
- Istanbul Technical University Eastern Mediterranean Centre for Oceanography and Limnology (EMCOL)
- Mediterranean Fisheries Research, Production and Training Institute (AKSAM)



## 2. Blue skills, careers and employment

Seafaring Nation with over 130 thousand seafarers

One million amateur sailors

- 45 Universities
- 46 Vocational High Schools

Promotes gender equality and barrier-free working environment for women in maritime sector



# 3. Sustainable, climate-neutral and zero-pollution maritime transport and ports

Active Role in designation of Mediterranean Sea as a whole, as an **Emission Control Area** for Sulphur Oxides

Ratification of **MARPOL Annex VI, HNS, BMW and Hong Kong Conventions**

**National Maritime Single Window** operational since 2018.

## **Financial Support Mechanism for Green Shipping**

- Financial support mechanism introduced to renew the fleet with energy efficient and environmentally friendly ships.
- The mechanism allows ship owners to receive grants up to two and a half times the ship's scrap value as long as it uses alternative fuels for its propulsion system.

## **Maritime Decarbonisation and Green Shipping Project**

- Financial support mechanism for environment-friendly and innovative technologies in ships and ports.

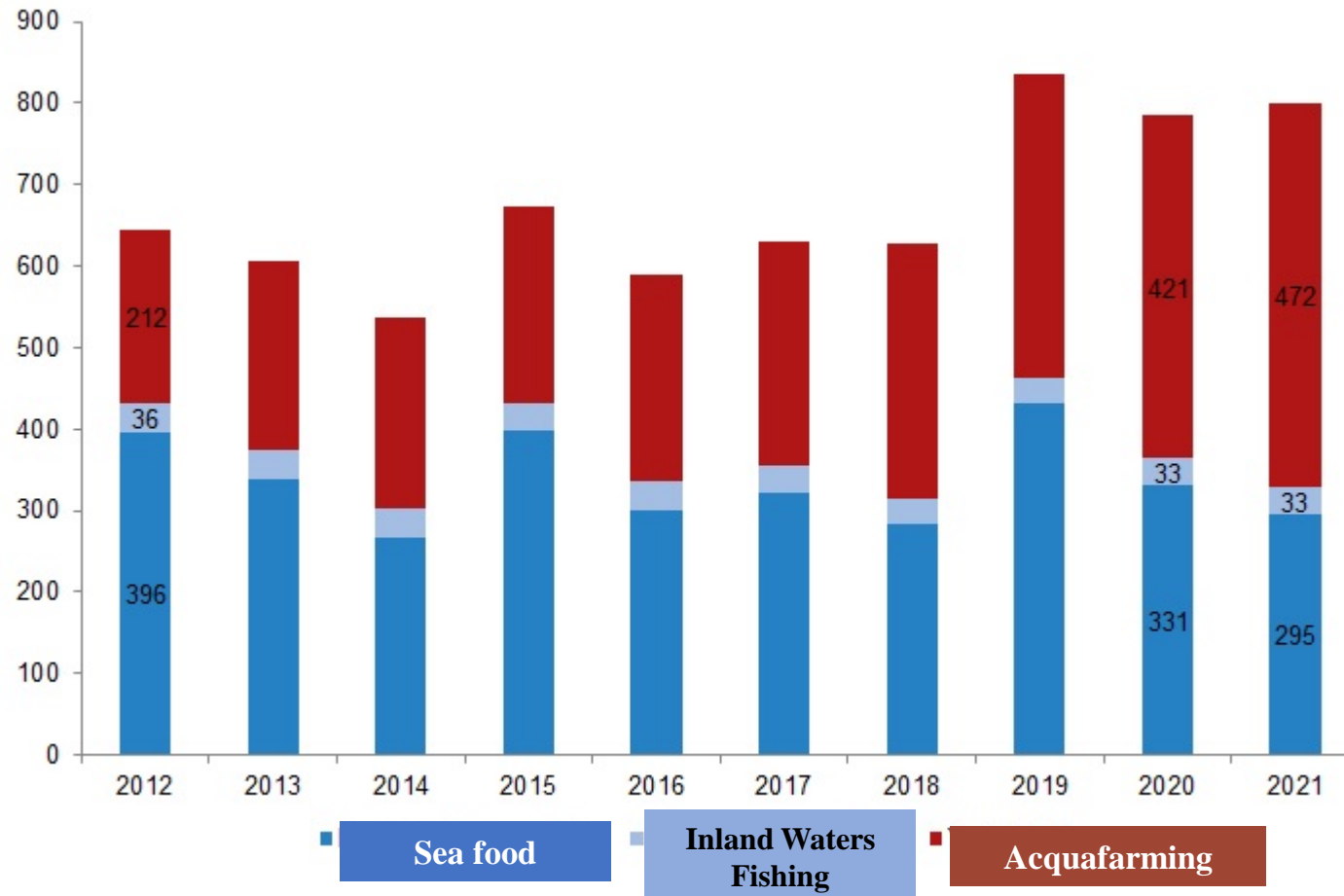
## **Green Port Project**

- intending to reduce emissions and improve the sustainability of port operations.
- 20 port facilities have been awarded green port certificates after completion of their audits.





## 4. Sustainable food from the sea: fisheries and aquaculture



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Active membership of FAO, GFCM, CITES, EUROFISH, CACFish, ICCAT

Ratification of FAO Agreement on Port State Measures to Prevent, Deter and Eliminate IUU Fishing-  
Fisheries Law issued in 2020

Full compliance with fisheries management at international level –  
Compliance Award at the 45th session of the GFCM

MedSea4 Fish Project – Proposal of establishing an observatory for non-indigenous species in Türkiye

More than 70 completely restricted areas (Fisheries Restricted Areas-FRAs) – Gokova Bay

Financial Support for small scale fisheries



## 4. Sustainable food from the sea: fisheries and aquaculture

### **Fisheries and Ecosystem Based Management for the Blue Economy of the Mediterranean (FishEBM MED)**

**MedSea4Fish** - GFCM capacity development programme

#### **Project of Removing Abandoned Fishing Equipment**

- Removal of 389,000 square meters of abandoned fishing nets and 2,300 fishing baskets from the waters including the Mediterranean Sea

#### **Fisheries Coastal Zones Development Road Map and Governance Model Development Project**

- Analysis of Fisheries Coastal Zones in 32 provinces
- Preparation of Roadmap and Action Plan



# 5. Interactions between marine litter and the blue economy

Party to the Paris Agreement (2021)

Target 2053 Net Zero Emission

Hosted COP 22 and Proposal for Hosting COP 31 in 2026

Hosting COP 16 on Biological Diversity in 2024 and Presidency for two years

Proposal for the Establishment of Regional Activity Center of Climate Change

Implementation Framework for Actions on Marine Plastic Litter Information-Sharing Report (G20)

Regional Plan for the Marine Litter Management in the Mediterranean (2013)

Black Sea Marine Litter Regional Action Plan (2018)

Zero Waste Project - Zero Waste Blue

Zero Waste Regulation (2019)- Provincial Zero Waste Management System Plans

Resolution «Promoting Zero Waste Approaches to advance 2030 Agenda for Sustainable Development»

Circular on the Preparation and Implementation of Marine Litter Provincial Action Plans (2019)

5-year «Marine Litter Provincial Action Plans»



## 5. Interactions between marine litter and the blue economy

### **Assessment of Türkiye's Potential on Transition to Circular Economy (DEEP Project)**

- Circular Economy Strategy and Action Plan
- Sectoral Impact Assessment
- A road map for single-use plastics and marine litter for zero waste implementation.



### **Establishment of Türkiye's Marine Environment Strategy and Action Plan Project** completed

### **Den-Iz Integrated Marine Pollution Monitoring Program 2020-2023- MEDITERRANEAN**

([www.den-iz.org](http://www.den-iz.org))

- Monitoring physicochemical characteristics of Turkish seas and coastal waters
- Searching for marine solid waste, microplastics, marine litter, and beach litter
- Evaluation of status of coastal water bodies and marine areas

### **Ecosystem Based Monitoring and Management Plan for Clean Mediterranean Project**

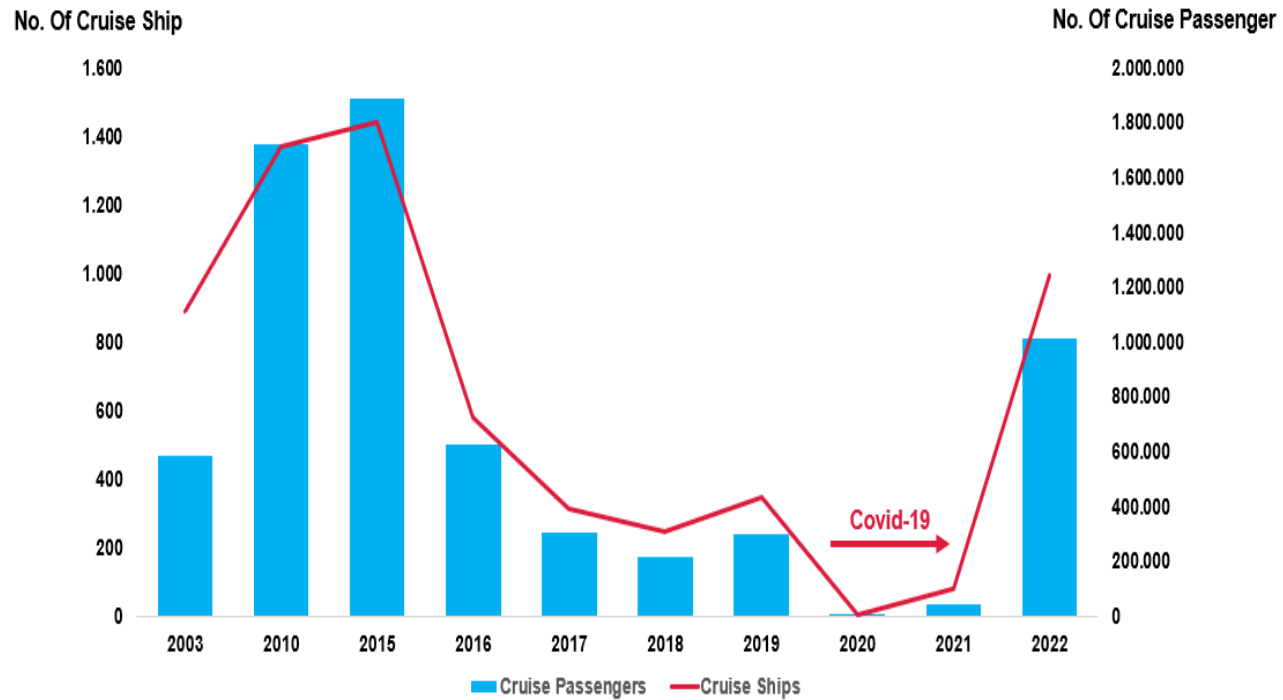
- Monitoring and improvement of sea water quality in four Metropolitan Municipalities (Mersin, Adana, Hatay, Antalya Metropolitan Municipality)



# 6. Coastal and maritime tourism

## CRUISE TOURISM IN TÜRKİYE

Number of cruise ships and cruise passengers visited Türkiye (2003-2022)



# 7. Maritime Spatial Planning and Integrated Coastal Zone Management

MSP	ICZM
<p>Blue Plan 2053</p> <ul style="list-style-type: none"><li>– Preparation of the Blue Plan (2023-2024)</li><li>– Implementation to the Upper Level Marine Spatial Plans (2024-2025),</li><li>– Implementation to the Lower Level Marine Spatial Plans (2025-2030)</li><li>– Evaluation, Monitoring and Review of the Goals (2030-2053)</li></ul>	<p>By-Law on Preparation of Spatial Plans including procedures of the Integrated Coastal Zone Plans to be prepared with a strategic approach for coastal areas and their hinterlands and guide the zoning plans.</p>
<p>Establishment of Blue Economy information platform based on Geographic Information Systems (GIS) Project</p>	



## 8. Marine renewable energies

### **National Energy Plan published in 2023**

- Share of renewable energy in total primary energy consumption to increase to 50 % in 2053, from 16.7 % in 2020
- Share of renewable energy in electricity production increases to 69.1 % by 2053, from 42.4 % in 2020,
- share of hydrogen in the natural gas mixture in terms of energy equivalent is expected to reach 12% and the share of synthetic methane to 30%

### **Hydrogen Technologies Strategy and Roadmap** announced in 2023

### **Efficiency Increasing Project (VAP) Support Program**





## 9. Maritime safety and security of blue economy activities

**Category "C" Member** of the Council of the International Maritime Organization (IMO)

**Merchant fleet capacity** of more than 2,000 vessels over 150 GT and totaling around 7 million DWT

Founding member of the **Mediterranean MoU** since 1998

**Shipbuilding capacity** of 4.74 million DWT, repair/maintenance capacity of 29.8 million DWT

Capacity of **ship recycling facilities** reached 1 million LDT/year

Ranks the 2<sup>nd</sup> in **superyacht building**

**Türk P&I** provides worldwide service through 370 international correspondents over 145 countries

**Türk Loydu**, Turkish Classification Society as an independent, impartial, reliable and specialized international "Classification, Certification and Conformity Assessment Body"

858 **SAR operations** coordinated by MSRCC Ankara and 2,209 lives saved at sea in 2022

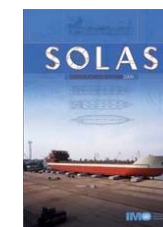
Construction of LNG and electric powered **autonomous tugboat** and all-electric ferry and 100% LNG fish-feeding barge, as well as vessels with the fuel of LNG, hybrid or full electrical battery systems



## 9. Maritime safety and security of blue economy activities

### RATIFIED IMO CONVENTIONS

IMO Convention 48	MARPOL 73/78 (Anx. IV)	CSC Convention 72
SOLAS Convention 74	MARPOL 73/78(Anx. V)	SAR Convention 79
SOLAS Protocol 78	MARPOL Protocol 97 (Annex VI)	IMSO Convention 76
SOLAS Protocol 88	LOAD LINES Conv. 66	INMARSAT OA 76
STCW Convention 78	LOAD LINES Protocol 88	FACILITATION Convention 65
MARPOL 73/78 (Annex I/II)	TONNAGE Conv. 69	CLC Protocol 92
MARPOL 73/78 (Annex III)	COLREG Convention 72	FUND Protocol 92
FUND Protocol 2003	PAL Protocol 02	LLMC Convention 76
LLMC Protocol 96	SUA Convention 88	SUA Convention 2005
SUA Protocol 2005	SALVAGE Convention 89	OPRC Convention 90
SUA Protokol 88	HNS PROT 2010	OPRC/HNS 2000
BUNKERS CONVENTION 01	ANTI FOULING 2001	BALLASTWATER 2004
HONG KONG CONVENTION		



## 9. Maritime safety and security of blue economy activities

### **Over 23 M tons of grain shipped by 790 ships from Ukraine under Istanbul Deal**

Joint Coordination Center with officials from Türkiye, Ukraine, Russia and the UN in Istanbul oversees the shipment



### **Green Lane Initiative**

In order to mitigate the impact of the coronavirus pandemic on the transport sector, Türkiye fully supported this initiative by facilitating smooth traffic flows between Türkiye and the EU.

### **Grain Corridor**

Türkiye has been entrusted as mediator together with the UN in the Initiative on the Safe Transportation of Grain and Foodstuffs from Ukrainian Ports.



# 9. Maritime safety and security of blue economy activities

## Turkish National Maritime Safety Center

Ready for response to marine pollution for the Mediterranean, Black Sea and Caspian Regions

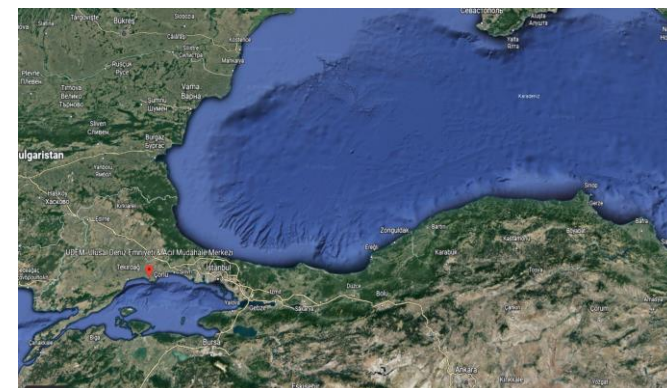
Training center for the response to marine oil & HNS pollution

Hosting national and international trainings and events

110.000 m<sup>2</sup> total area/ 30.000 m<sup>2</sup> enclosed area

Training basin with wave generator

1 hour distance to Istanbul airport



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