

# Sustainable Blue Economy

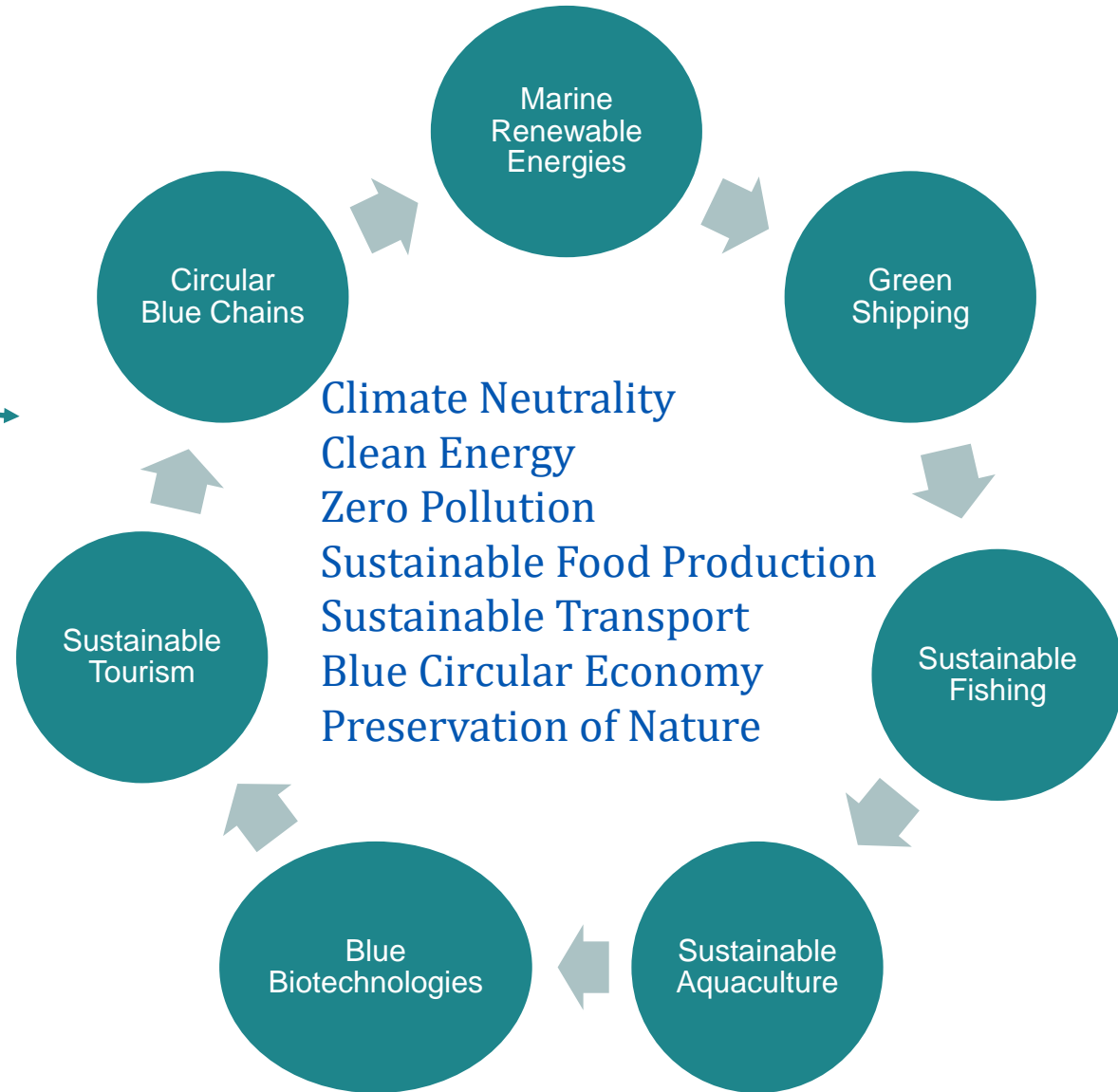
## The seabasin perspective

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- *Unit A3: Seabasin strategies, maritime regional cooperation and maritime security*

# European Green Deal and Blue Economy Sectors



*1: Doing new things*

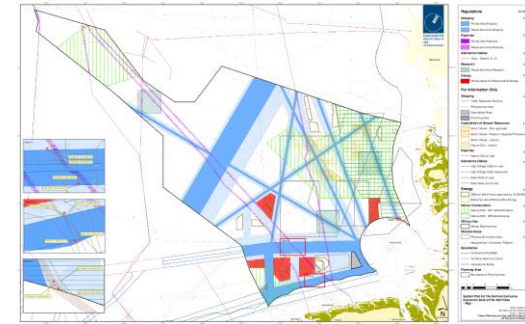


Translating European Green Deal Priorities into Blue Economy Sectors



# European Green Deal and Blue Economy Sectors

- Integrated approaches to reduce negative externalities and increase resilience and biodiversity protection
  - Maritime spatial planning - **ecosystemic approach**
  - Marine Protected Areas – **nature protection**
  - Climate Change Adaptation – **building with nature**
  - Recovery from COVID
- Multi sectoral approaches / multi-use platforms
  - Maritime clusters, industrial partnerships, R&D platforms
- Blue Value chain approaches
- Digitalisation and blue skills



*2: Doing things differently*



# European Commission: A new roadmap to Sustainable Blue Economy

A new EC initiative which identifies ways to make the EU's 'blue economy' more sustainable, in line with the European Green Deal.

The goal is **to aid economic recovery and tackle climate change**, by promoting sustainable products and services – e.g. marine renewable energy – that preserve the marine environment and maintain ocean health.



2050

2030

Today

Wind energy: **12GW**  
Ocean energy: **13MW**

Wind energy:  $\geq$  **60GW**  
Ocean energy:  $\geq$  **1GW**

Wind energy: **300GW**  
Ocean energy: **40GW**

# The New EU Strategy for Off Shore RE

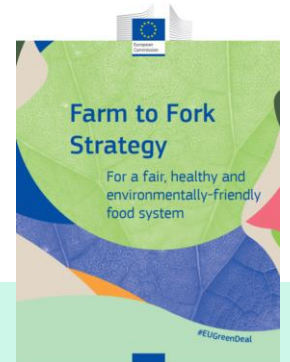
- Set ambitious targets for the **sustainable growth of the offshore renewable energy sector**
- Encourage **public and private investment** in new infrastructure and research
- **Stimulate regional cooperation**, in particular at sea basin level
- Provide a **clear and stable legal framework**

# Towards Sustainability in maritime sectors: Other actions in progress

- European Commission is preparing **new guidelines for sustainable aquaculture**
- New technologies for fishing, boat recycling, reuse of fishing materials like nets and aquaculture waste can contribute to **Blue Circular Economy**.
- **Green shipping**
- New **blue biotechnologies** offer new solutions for medicines, cosmetics.
- New technologies offer **solutions to reduce marine pollution and carbon emission** in the maritime sector
- **Sustainable financing** in Blue Economy sectors
- **Maritime Spatial Planning** – Progress and deadlines

# Sustainable EU Fisheries and Aquaculture

- *Farmed fish and seafood generate a lower carbon footprint than animal production on land.*
- *the shift to sustainable fish and seafood production must also be accelerated*
- *fostering alternative feed materials such as insects, marine feed stocks (e.g. algae) and by-products from the bio-economy (e.g. fish waste).*
- *algae should become an important source of alternative protein for a sustainable food system and global food security*



## Farm to Fork Strategy (May 2020):

“[the Commission] will also set out well-targeted support for the algae industry, as algae should become an important source of alternative protein for a sustainable food system and global food security.”



- EU Algae production (source: EMODnet)



200 000 marine species have been discovered, but there are more

# Green Shipping

## Ports as hubs for the Blue Economy



Challenge	Areas for further development
1. Less polluting ships	<ul style="list-style-type: none"> <li>Supply of electricity and <b>alternative fuels</b> to ships</li> <li>Charging infrastructure for electric vessels</li> </ul>
2. Digitalisation	<ul style="list-style-type: none"> <li>Full development of the <b>Internet concept</b></li> </ul>
3. Automation	<ul style="list-style-type: none"> <li><b>Full automation</b> of port operations</li> <li>Adaptation of ports to automated transport modes</li> </ul>
4. Energy efficiency at ports	<ul style="list-style-type: none"> <li>Increased use of <b>renewable energy</b></li> <li>Production of energy for own port consumption</li> </ul>
5. Port operations	<ul style="list-style-type: none"> <li>More <b>efficient port operations</b></li> </ul>
6. Port-cities	<ul style="list-style-type: none"> <li><b>Integrated port-city decision making</b> and planning on environmental issues, land use and socio-economic aspects.</li> </ul>



*Motorways of the Sea (MoS)  
Forum March 2021-CONCLUSIONS*

# The seabasin perspective- an opportunity for cooperation

## *An example: The Mediterranean*



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



# UfM Ministerial Declaration on Sustainable Blue Economy – 2 Febr 2021



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

governance and the future of sea basin strategies

marine research and innovation, skills, careers and employment

sustainable food from the sea: fisheries and aquaculture

sustainable, climate-neutral and zero-pollution maritime transport and ports

interactions between marine litter and the blue economy

coastal and maritime tourism

MSP and ICZM

marine renewable energies

maritime safety and security of blue economy activities

sustainable investment in the blue economy

# From Blue Growth to Sustainable Blue Economy

- ✓ **change the model** of the blue economy
- ✓ make sure that every aspect of the recovery shifts the focus from exploitation to ***sustainability***.
- ✓ promoting **decarbonisation, circular, renewable, responsible and innovative** economic activities
- ✓ reconcile economic recovery with **environmental protection**
- ✓ make use of the **sea basin and macro-regional strategies** to promote joint action
- ✓ complementing other recent framework initiatives of the Commission - such as:
  - ***the Farm to Fork Strategy,***
  - ***Biodiversity Strategy,***
  - ***the Strategy for Plastics in a Circular Economy, the forthcoming Zero Pollution Strategy.***
  
- ❑ ***EMFAF will play a key role coupled with other EU Programmes such as HORIZON EUROPE.***
- ❑ ***National recovery plans and the operational programmes for 2021-2027 be aligned towards the same priorities***

# Thank you

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