

GREEN&BLUE
INNOVATION HUB

### BLUE CIRCULAR ECONOMY

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Circular Economy & Climate Change Institute







European Public Law Organisation - EPLO

International — intergovernmental organization: 17 states, EC, CoE



Permanent observer status in the UN General Assembly



UN Missions: New York, Geneva, Vienna

Training-Education | Institution Building & Technical Cooperation | Research |

Publications









Institute
Mainstream CE in all policy
areas

Advocate, Conduct environmental & climate



### BLUE ECONOMY





If the global blue economy, were compared to a national economy, it would be the 7th largest in the world, and the ocean as an economic entity would be a member of the G 7.

O ceans hold 97% of all our water and 80% of all life forms.

### Provides 4.5 million direct jobs

Encompasses all industries and sectors:

- Marine environment: i.e. shipping, fisheries, energy generation
- Land environment: i.e. ports, land-based aquaculture, coastal tourism

## BLUE ECONOMY





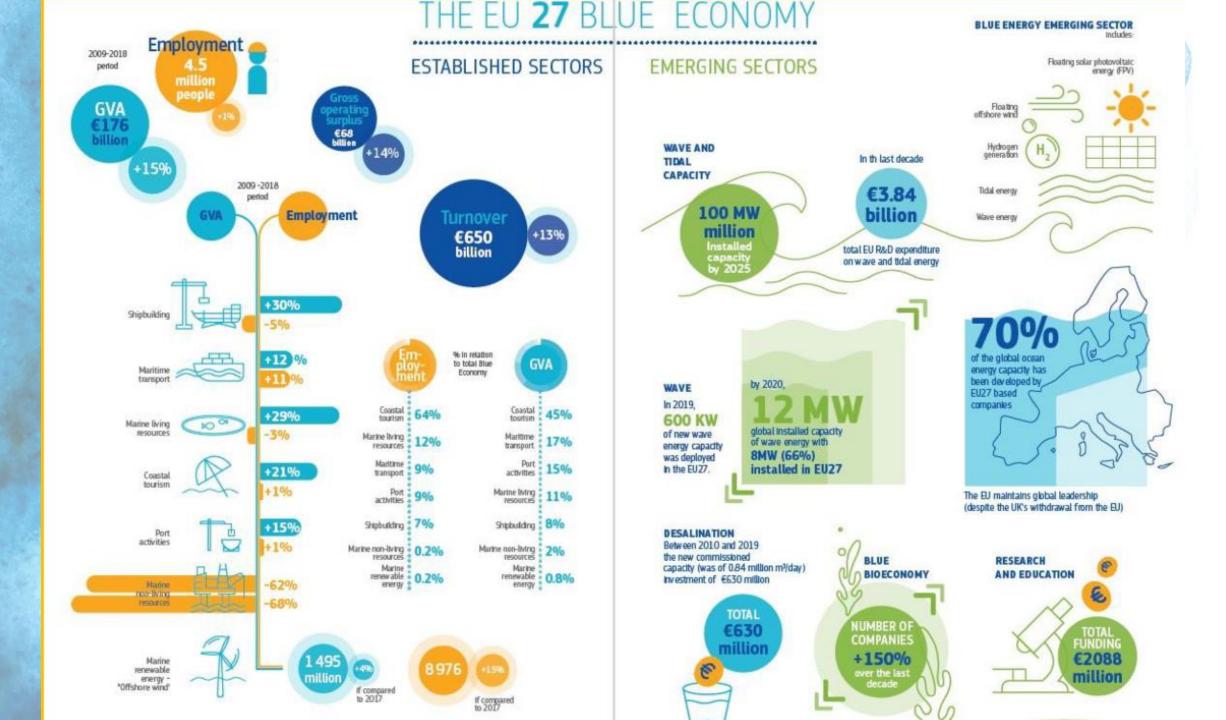


### **CHAPTER 4: ESTABLISHED SECTORS**

- 4.1. MARINE LIVING RESOURCES
- 4.2. MARINE NON-LIVING RESOURCES
- 4.3. MARINE RENEWABLE ENERGY (OFFSHORE WIND)
- 4.4. PORT ACTIVITIES
- 4.5. SHIPBUILDING AND REPAIR
- 4.6. MARITIME TRANSPORT
- 4.7. COASTAL TOURISM

#### **CHAPTER 5: EMERGING SECTORS**

- 5.1. OCEAN ENERGY
- 5.2. THE BLUE BIOECONOMY & BIOTECHNOLOGY
- 5.3. DESALINATION
- **5.4. MARINE MINERALS**
- 5.5. MARITIME DEFENCE, SECURITY AND SURVEILLANCE
- 5.6. RESEARCH AND EDUCATION
- 5.7. INFRASTRUCTURE



### BLUE ECONOMY





Impacts of blue economy and other economic activities on marine environment:

- Visible pollution (i.e. plastic litter & oil spills)
- Invisible pollution (i.e. microplastics, underwater noise, chemicals, nutrients)

### Effects of climate change and GHGs:

• Water temperature, acidification, rising sea level, more frequent and intense flooding and erosion, etc.

Biodiversity loss

### EU GREEN DEAL & SDGS







SUSTAINABLE DEVELOPMENT GOALS

Making Europe the first climate neutral continent in the world

Reduce G HG s 55% by 2030

**3 related EU Missions** 

SDG s: Almost all related to blue economy

UN Environment Programme



There is no Green Deal without the oceans, no green recovery without the blue economy.

Commissioner Virginijus Sinkevičius, May 2021







Recognition of the major role of blue economy towards the implementation of the EU Green Deal

# FROM BLUE GROWTH TO SUSTAINABLE BLUE ECONOMY

Environmental sustainability: it preserves natural capital

SBE

Social sustainability: it provides benefits for current and future generations Economic sustainability: it is profitable, innovative and resilient to shocks

## SUSTAINABLE BLUE ECONOMY







Brussels, 17.5.2021 COM(2021) 240 final

COMMUNICATION FROM THE COMMISSION TO THE EUROPEAN PARLIAMENT, THE COUNCIL, THE EUROPEAN ECONOMIC AND SOCIAL COMMITTEE AND THE COMMITTEE OF THE REGIONS

on a new approach for a sustainable blue economy in the EU Transforming the EU's Blue Economy for a Sustainable Future

Integration of OCEAN POLICY into Europe's new ECONOMIC POLICY

Urge to
Connect the GREEN and the BLUE
policies

Lead international ocean governance beyond EU borders

TRANSFORMING THE BLUE ECONOMY VALUE CHAINS

Achieving the objectives of climate neutrality and

zero pollution

**Circular economy and preventing waste** 

Biodiversity and investing in nature

**Coastal resilience** 

**Responsible food systems** 





### CIRCULAR ECONOMY











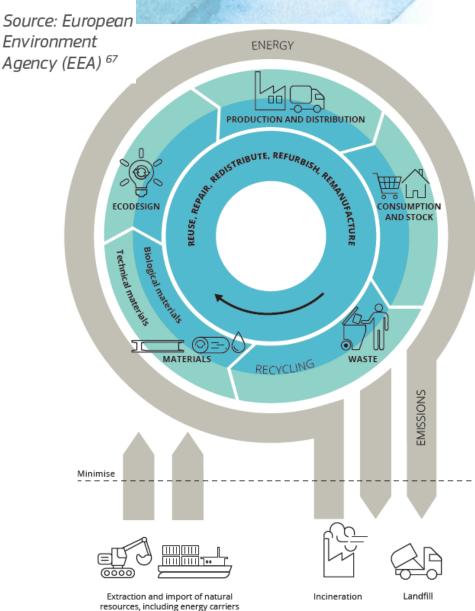


FROM: Take - Make - Waste

TO: Reuse, Redistribute, Refurbish,

Remanufacture

**Biological cycle**: residues are returned to nature after use **Technical cycle**: product, components or materials are designed and marketed to minimise wastage



Reducing the impacts of human activities on the sea

Development of circular models and

solutions Standards for circular design of:

- Fishing gears (facilitating re-use & recyclability)
- Ship recycling
- Decommissioning of offshore platforms
- Reduction of plastics and microplastics pollution
- etc.





Policy - Regulations

Marine Strategy Framework
Ship recycling regulation
Single-Use Plastics Directive
Maritime Spatial Plans
Sea-basin strategies, macroregional strategies





Challenges for the transition towards blue sustainable and

circular economy

Planning

Multi-level governance
Hamornisation of blue-green
strategies
Territorial cooperation
Financing

Investment VS regulatory environment R&I readiness Insurance environment Lack of investment-grade projects/firms at scale

Skills & Social dimension (Just Economies in transition)

Low skill work force Innovation & technology VS traditional sectors

Data acquisition & monitoring

Data collection: what, who, how, how much

Data monitoring: impact indicators











EPLO Circular Economy and Climate Change Institute work on the Sustainable & Circular Blue Economy

Linking

EU & territorial strategies

Financing

Skills

R&I and Good practices

Advocacy

Awareness



5/8 JUNE 2023 LA SPEZIA NAVAL BASE

### THANK YOU

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