

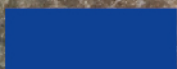


European
Commission



THE EU BLUE ECONOMY OBSERVATORY 2024

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THE EU27 BLUE ECONOMY

ESTABLISHED SECTORS

2021

Source: own elaboration based on Eurostat and DCF data



PERSONS EMPLOYED

GVA

Living Resources



+4% 543,000 people

22 billion +27%

Maritime Transport



-1% 379,000 people

44 billion +29%

Non-living Resources



-68% 9,000 people

4 billion -51%

Offshore Wind



+258% 14,000 people

3 billion +326%

Port Activities



-1% 410,000 people

29 billion +11%

Shipbuilding and Repair



+18% 312,000 people

18 billion +54%

Coastal Tourism



+3% 1.9 M people

50 billion -7%

AQUACULTURE
Production volume
1.12M TONNES

MARITIME TRANSPORT
% of waterborne transport over total transport
68% (freight)

COASTAL TOURISM
% of nights spent in coastal areas over total nights spent
48%

Percentage values refer to the 2015-21 period

EMERGING SECTORS

CUMULATIVE RENEWABLE ENERGY CAPACITY IN EUROPEAN SEA BASINS (2023)

13.3 MW

30.5 MW

207 MW

32.6 GW



WAVE



TIDAL



FLOATING WIND



BOTTOM-FIXED WIND



LOAD FACTOR

LCOE

160-750 €/MWh

110-480 €/MWh

145-350 €/MWh

60-232 €/MWh

Source: 4COffshore, BNEF IRENA, Ocean Energy Europe

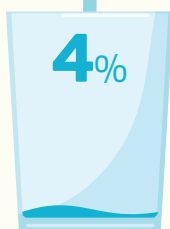
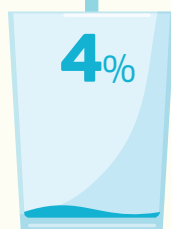
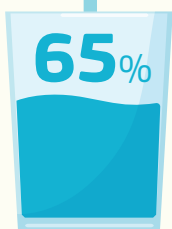
The levelized cost of electricity (LCOE) represents the price at which the generated electricity should be sold for the system to break even at the end of its lifetime. The load factor is the percentage of power output an intermittent renewable energy source actually produces compared to its nominal capacity (i.e., the max output)

DESALINATION ACTIVE CAPACITY (2024)

3.4 BILLION M³/YEAR

other sources 28%

Seawater and brackish water 72%



SPAIN
914 plants

ITALY
342 plants

GERMANY
184 plants

NETHERLANDS
79 plants

CYPRUS
30 plants

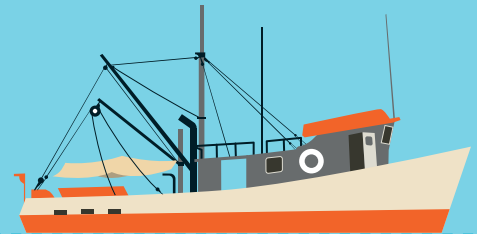
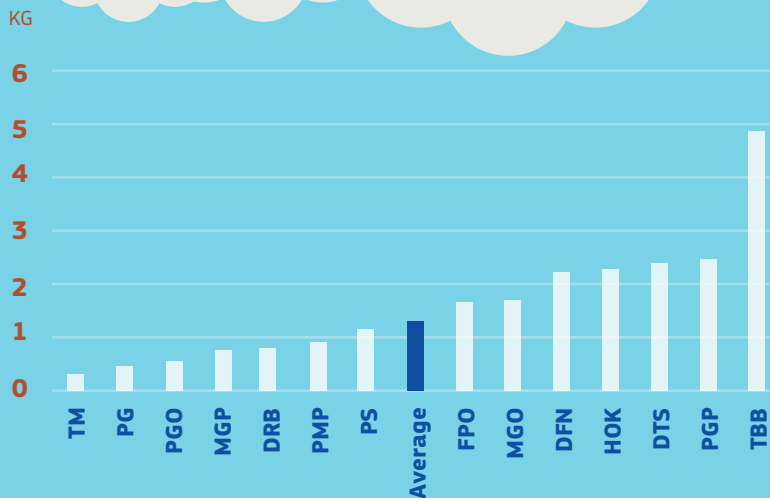
REST OF THE EU
817 plants

Source: own elaboration based on DesalData

ENERGY TRANSITION

CO₂ EMISSIONS BY FISHING GEAR (2020)

CO₂ emissions per kg of fish landed

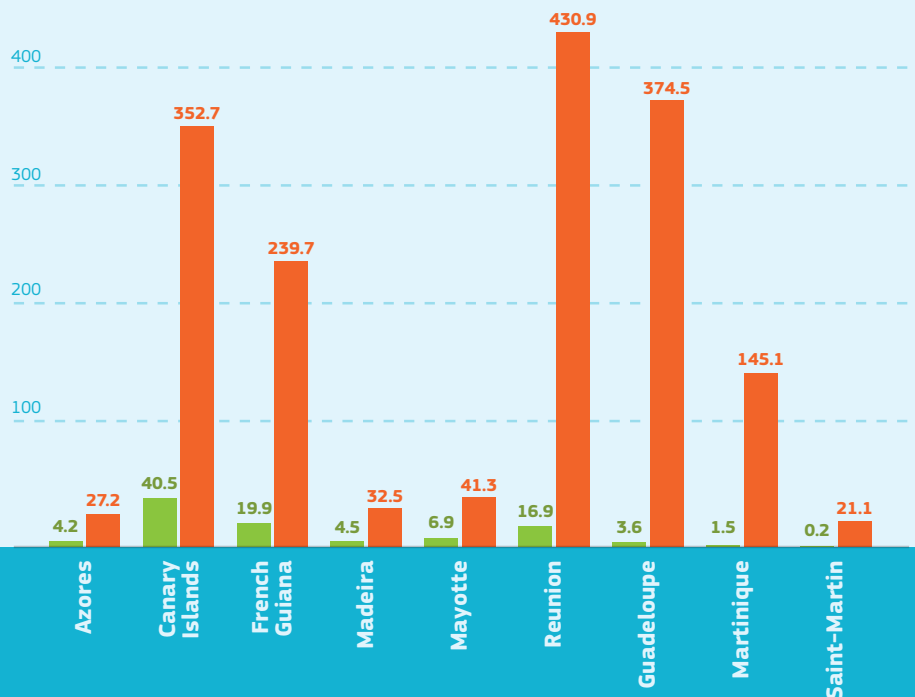


- TM:** Pelagic trawlers
- PG:** Vessels using passive gears
- PGO:** Vessels using other passive gears
- MGP:** Vessels using polyvalent active gears only
- DRB:** Dredgers
- PMP:** Vessel using active and passive gears
- PS:** Purse seiners
- FPO:** Vessels using pots and/or traps
- MGO:** Vessel using other active gears
- DFN:** Drift and/or fixed netters
- HOK:** Vessels using hooks
- DTS:** Demersal trawlers and/or demersal seiners
- PGP:** Vessels using polyvalent passive gears only
- TBB:** Beam trawlers

Source: own elaboration based on STECF data

EXPECTED ANNUAL DAMAGE OF RISING SEA LEVEL IN THE EU OUTERMOST REGIONS (EUR, MILLION)

2020
2100 SSP1-2.6



Source: LISCOAST, Joint Research Centre