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# **Chapter 1**

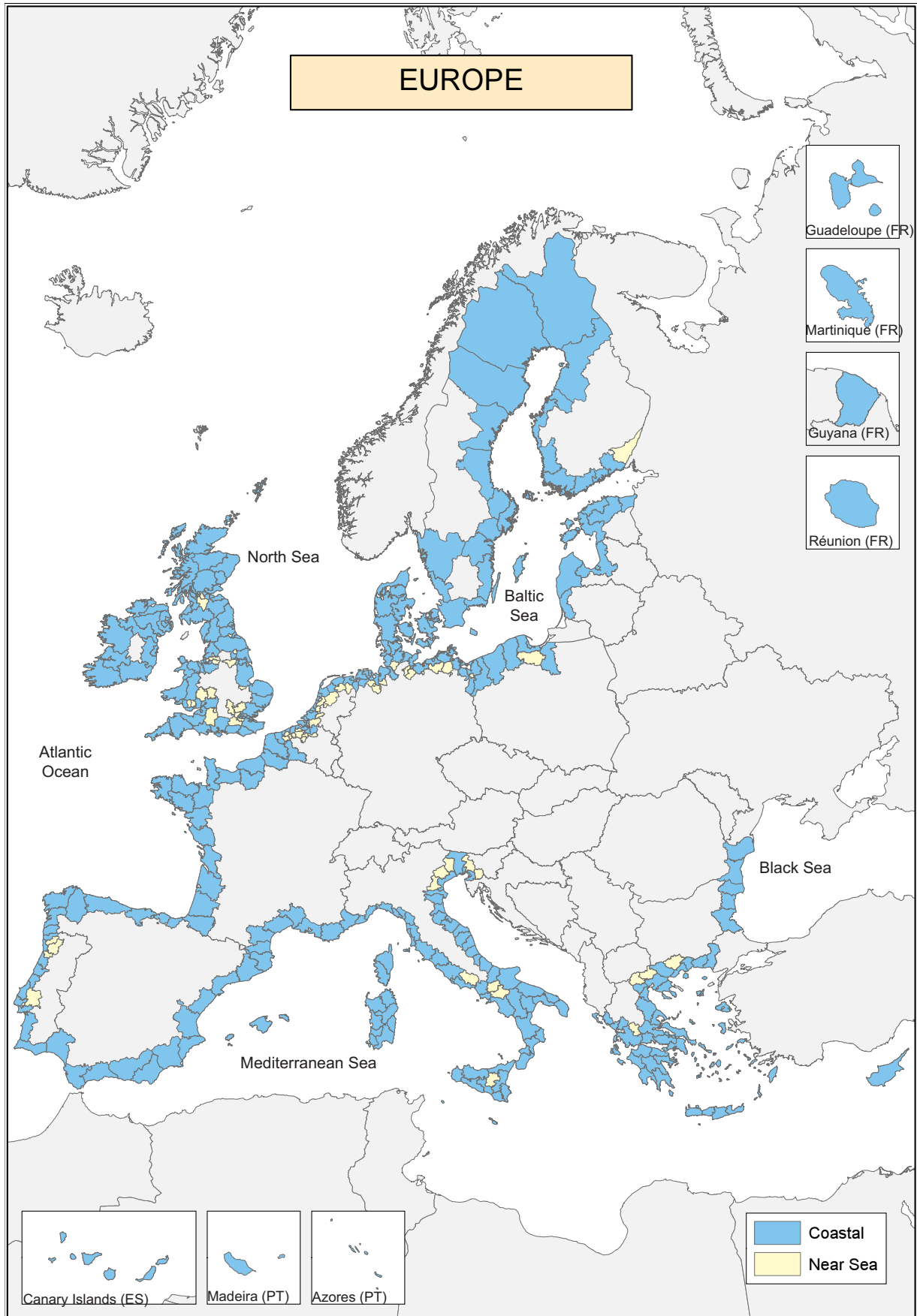
## **European Union overview**

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EU-22



## General figures

- The European Union has a coastline of 136 106 km. The EU is surrounded by three seas: the Mediterranean, the Baltic and the North Sea and by one Ocean, the Atlantic. The EU's coastal zone (within a range of 10 km from the coast) is 416 446 km<sup>2</sup>.
- The EU's coastal regions' size is 1 772 768 km<sup>2</sup>. 199.35 million EU citizens live in these regions (2006 data), resulting in an average population density of 108 inhabitants per km<sup>2</sup>.
- Coastal regions are key economic development generators. In 2005 they generated EUR 4 200 million of gross added value, while economic activities resulted in the employment of some 67 million people. The latter corresponds to 35.5% of the total employed labour force in all the EU-22 coastal Member States.
- The EU protects 78 282 km<sup>2</sup> of marine sea areas. This area represents 4.9% of the total marine protected areas worldwide (2007 data)<sup>(1)</sup>. EU has 14 345 bathing sea areas of which 77.5% comply with guide values on water quality. Another 19.1% comply with mandatory values. However, 2.8% of all bathing sea areas are not complying with any of the above standards. Finally bathing is outright prohibited in 0.5% of the total bathing sea areas (2006 data).

## Significant Economic Activities

- The GDP per inhabitant in the EU coastal regions amounted to an average EUR 24 294 (2005 prices). This GDP is 5.7% higher than the average GDP per inhabitant in the entire EU-22 coastal Member States. The highest annual GDP is observed in the North Sea region (EUR 32 342 per inhabitant), followed by the Atlantic Ocean region (EUR 24 673 per inhabitant), the Baltic Sea region (EUR 23 617 per inhabitant) and the Mediterranean Sea region (EUR 20 777 per inhabitant).
- The average unemployment rate in the EU coastal regions amounted to 6.5%, translating in 4.65 million persons. The majority of the unemployed workforce (about 50% according to 2006 data) are inhabitants of the Mediterranean Sea coastal region.
- Tourism is among the major economic sectors in the EU coastal areas. Almost 96 000 hotel units are located in these areas. 39.7% of the hotel units are located in the Mediterranean Sea region, 36.5% in the Atlantic Ocean region.
- Considerable leisure boating infrastructures also exist: approximately 3 000 marinas have an estimated capacity of about 1 million berths<sup>(2)</sup>.
- The fishing sector is a large employer in the EU as 250 451 persons were working in this sector (2006 data). In 2006 the sector produced 4.92 million tonnes of marine animals. 75% of the total marine animals were caught in the North-east Atlantic, while 11% came from the Mediterranean and Black Sea.
- The significant aquaculture activity in coastal regions accounts for 19% of the total EU marine animals' production.

<sup>(1)(2)</sup> Source: European Commission-DG Fisheries and Maritime Affairs. Maritime facts & figures (available at: <http://ec.europa.eu/maritimeaffairs>)

- Almost 90% of the EU external trade and 40% of the EU's internal trade is using maritime transportation and hence passes through EU ports. In 2005, the extra- and intra-EU imports passing through EU ports were valued at EUR 736.2 billion, while the equivalent figure for exports stood at EUR 660.87 billion.
- There are more than 1 200 ports in the EU coastal regions. In 2006, 399 million passengers were counted in EU ports while cargo traffic reached 3.528 billion tonnes. The inwards/outwards ratio amounted to being 1.74.
- Agriculture is another economic activity developed in the EU coastal regions. In 2005 the sector contributed EUR 103.8 billion in gross value added, or 51.9% of the gross value added produced by the agriculture sector in the EU-22 coastal Member States. The proportion of the arable land is 51.5%, while the livestock density stands at an average 30 units per holding (2005 data).

<sup>(3)</sup> Source: European Commission-DG Fisheries and Maritime Affairs. Maritime facts & figures (available at: <http://ec.europa.eu/maritimeaffairs>)

## Relative importance of the coastal areas

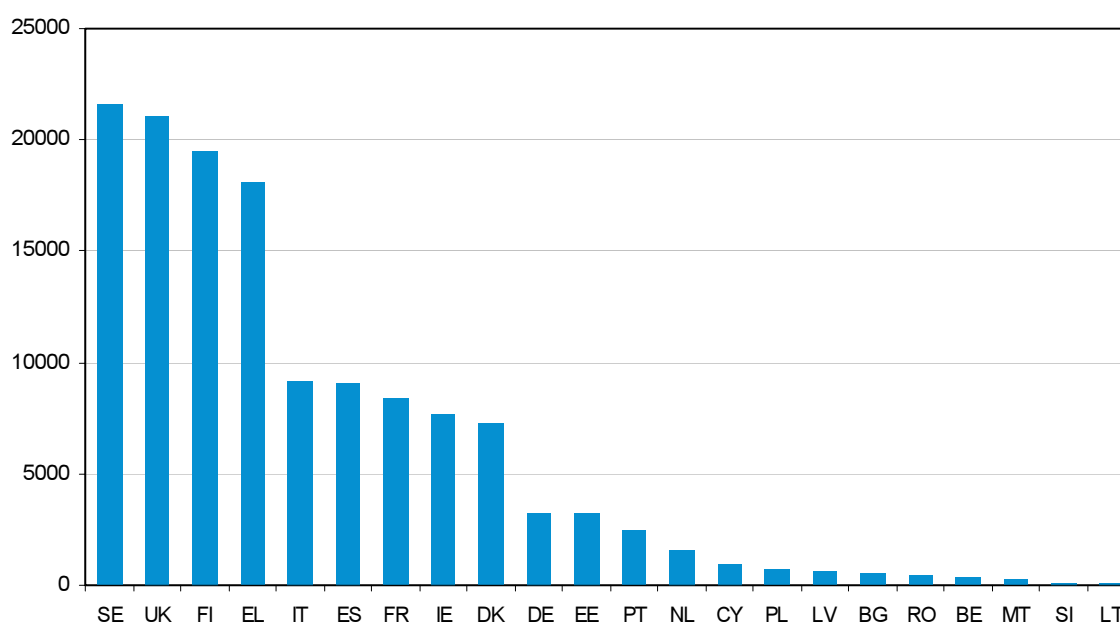
### • Coastal pressure

	Unit	Year	European coastal regions	EU having sea coasts
Total area <sup>(1)</sup>	km <sup>2</sup>	2006	1 772 768	4 095 998
	% of EU-22	2006	43.3	100
Length of coasts <sup>(2)</sup>	km		-	136 106
Area of 10 km coastal zone <sup>(2)</sup>	km <sup>2</sup>		-	416 446
Population <sup>(1)</sup>	1000 inhab.	2006	199 353	458 036
	% of EU-22	2006	43.5	100

(1) Source: Eurostat (Regio)

(2) Source: Corine Land Cover database

### Length of coastal regions by country, in km



Source: Corine Land Cover database

### • Demography

	Unit	Year	European coastal regions	EU having sea coasts
Population density <sup>(3)</sup>	Inhab./km <sup>2</sup>	2005	100	108
Crude Birth rate <sup>(3)</sup>	1000 inhab.	2006	10.3	10.1
Crude Death rate <sup>(3)</sup>	1000 inhab.	2006	9.4	10.0
Old age Dependency ratio <sup>(4)</sup>	Per 100 adults	2001	25	24

(3) Source: Eurostat (Regio)

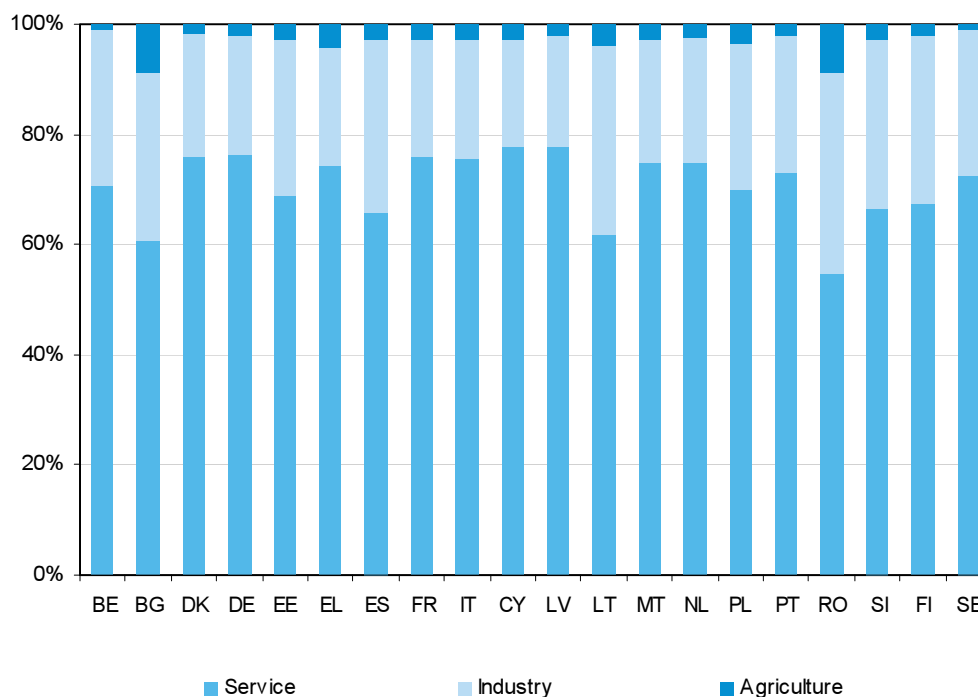
(4) Source: Eurostat (Census)

## • Economics

	Unit	Year	European coastal regions	EU having sea coasts
GDP at current market prices	€/inhab	2005	24 294	22 984
	Index	2005	105.7	100
Gross value added at basic prices	bilio€	2005	4 200 194	9 383 477
	% of EU-22	2005	44.8	100
Gross value added in agriculture sector	bilio€	2005	103 792	200 011
	% of total GVA	2005	2.5	2.1
	% of EU-22	2005	51.9	100
Gross value added in industry sector	bilio€	2005	1 042 638	2 402 759
	% of total GVA	2005	24.8	26.6
	% of EU-22	2005	41.8	100
Gross value added in service sector	bilio€	2005	3 053 764	6 690 707
	% of total GVA	2005	72.7	71.3
	% of EU-22	2005	45.6	100

Source: Eurostat (Regio)

### Breakdown of gross value added at basic prices by activity sector, 2005



Note: IE and UK: not available

Source: Eurostat (Regio)

## • Labour market

	<i>Unit</i>	<i>Year</i>	<i>European coastal regions</i>	<i>EU having sea coasts</i>
Employment	1000 persons	2004	67 012	188 779
	% of EU-22	2004	35.5	100
Unemployment - Men between 15 and 24 years	1000 persons	2006	571	2 355
	% of EU-22	2006	24.2	100
Unemployment - Men aged 25 years and over	1000 persons	2006	1 736	6 858
	% of EU-22	2006	25.3	100
Unemployment - Women between 15 and 24 years	1000 persons	2006	525	2 043
	% of EU-22	2006	25.7	100
Unemployment - Women aged 25 years and over	1000 persons	2006	1 822	6 765
	% of EU-22	2006	26.9	100

Source: Eurostat (Regio)

## • Education

	<i>Unit</i>	<i>Year</i>	<i>European coastal regions</i>	<i>EU having sea coasts</i>
Population having university level education	%	2001	20.8	20.1
	Index	2001	103.5	100

Source: Eurostat (Census)

## • Agriculture

	<i>Unit</i>	<i>Year</i>	<i>European coastal regions</i>	<i>EU having sea coasts</i>
Agricultural area	1000 ha	2005	42 976	138 246
	% of EU-22	2005	31.1	100
Proportion of arable land	%	2005	51.5	60.2
Livestock density per holding	Livestock Unit	2005	30	17
Standard gross margin	Per holding	2005	15	11
Standard gross margin	Per Annual Working Unit	2005	17	12

Source: Eurostat (Regio)

## • Tourism

	<i>Unit</i>	<i>Year</i>	<i>European coastal regions</i>	<i>EU having sea coasts</i>
Number of hotels	Unit	2007	95 920	179 384
	% of EU-22	2007	53.5	100

Source: Eurostat (Tourism)



## Coastal areas description

### • Demography

	Unit	Year	European coastal regions					Total	
			Baltic Sea	North Sea	Atlantic Ocean	Mediterranean Sea	Black Sea		
Population density <sup>(1)</sup>	Inhab/km <sup>2</sup>	2005	31	246	129	161	71	25	100
Crude Birth rate <sup>(1)</sup>	1000 Inhab.	2006	11.6	11.5	10.4	9.6	10.6	11.8	10.3
Crude Death rate <sup>(1)</sup>	1000 Inhab.	2006	10.2	8.6	8.9	9.5	10.6	10.1	9.4
Old age Dependency ratio <sup>(2)</sup>	Per 100 adults	2001	22.4	22.5	24.8	25.9		20.1	24.5

(1) Source: Eurostat (Region)

(2) Source: Eurostat (Census)

### • Economics

	Unit	Year	European coastal regions					Total	
			Baltic Sea	North Sea	Atlantic Ocean	Mediterranean Sea	Black Sea		
GDP at current market prices	€ Inhab	2005	23 617	32 342	24 673	20 777	3 538	15 843	24 294
	Index	2005	97.2	133.1	101.6	85.5	14.6	65.2	100
Gross value added at basic prices	%	2005	10.2	27.0	30.3	30.8	0.1	1.6	100
Gross value added in agriculture sector	%	2005	8.5	14.6	25.4	48.5	0.7	2.3	100
Gross value added in industry sector	%	2005	13.9	18.1	25.4	40.8	0.3	1.5	100
Gross value added in service sector	%	2005	14.6	17.9	21.1	43.8	0.2	2.4	100

Source: Eurostat (Region)

## • Labour market

European coastal regions									
	Unit	Year	Baltic Sea	North Sea	Atlantic Ocean	Mediterranean Sea	Black Sea	Outermost regions	Total
Employment	%	2004	11.0	26.2	39.5	21.6	0.6	1.1	100
Unemployment - Men between 15 and 24 years	%	2006	16.6	17.9	14.1	48.3	3.1		100
Unemployment - Men aged 25 years and over	%	2006	18.2	17.8	17.0	44.8	2.1		100
Unemployment - Women between 15 and 24 years	%	2006	16.0	15.6	10.5	55.8	2.2		100
Unemployment - Women aged 25 years and over	%	2006	15.4	12.5	18.3	52.0	1.8		100

Source: Eurostat (Regio)

## • Education

European coastal regions									
	Unit	Year	Baltic Sea	North Sea	Atlantic Ocean	Mediterr. Sea	Black Sea	Outermost regions	Total
Population having university educational level	%	2001	30.4	27.3	21.6	14.8		11.8	20.8
	Index	2001	146.1	131.2	104.0	71.3		56.6	100

Source: Eurostat (Census)

## • Agriculture

	Unit	Year	European coastal regions					Total	
			Baltic Sea	North Sea	Atlantic Ocean	Mediterr. Sea	Black Sea		Outermost regions
Agricultural area	%	2005	9.9	17.8	44.9	23.5	3.4	0.5	100
Proportion of arable land	%	2005	82.2	55.4	42.7	48.5	87.9	30.6	51.5
Livestock density per holding	Livestock Unit	2005	25	106	53	13	2	10	30
Standard gross margin	Per holding	2005	12	74	26	10	2	14	15
Standard gross margin	Per Annual Working Unit	2005	11	47	20	14	3	13	17

Source: Eurostat (Regio)

## • Tourism

	Unit	Year	European coastal regions					Total	
			Baltic Sea	North Sea	Atlantic Ocean	Mediterr. Sea	Black Sea		Outermost regions
Number of hotels	%	2007	4.8	16.3	36.5	39.7	1.6	1.1	100

Source: Eurostat (Tourism)

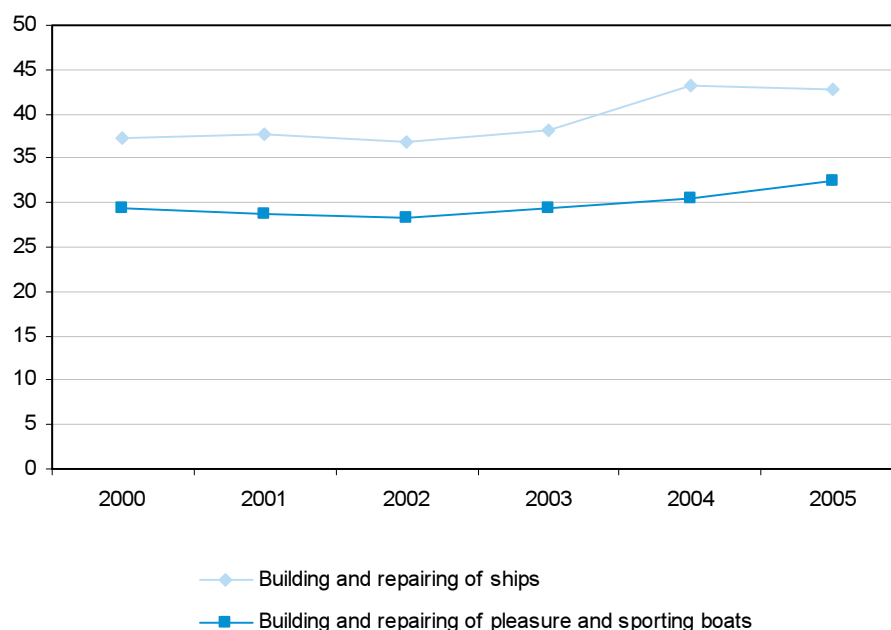
## Relevant maritime activities

### • Enterprise statistics

	<i>NACE</i>	<i>Unit</i>	<i>Year</i>	<i>EU having sea coasts</i>
Apparent labour productivity	Other supporting water transport activities	1000 €	2005	2 657
Number of enterprises	Renting of water transport equipment	Unit	2005	1 795
Number of persons employed	Other supporting water transport activities	Unit	2005	13 362
	Renting of water transport equipment	Unit	2005	2 945
Turnover or gross premiums written	Other supporting water transport activities	Mio €	2005	4 629
	Renting of water transport equipment	Mio €	2005	805
Labour cost per employee FTE	Building and repairing of ships	1000 €	2005	42.7
	Building and repairing of pleasure and sporting boats	1000 €	2005	32.4

Source: Eurostat (Structural business statistics)

### Average Labour cost per employee (Full Time Equivalent) (EUR Thousand) in EU countries having sea coasts, 2000-2005



Source: Eurostat (Structural business statistics)

## • External trade by sea

Detailed figures are also available in Appendix 6.

### EU-22 External trade of goods by sea, 2007 (EUR million) – Ranking of countries)

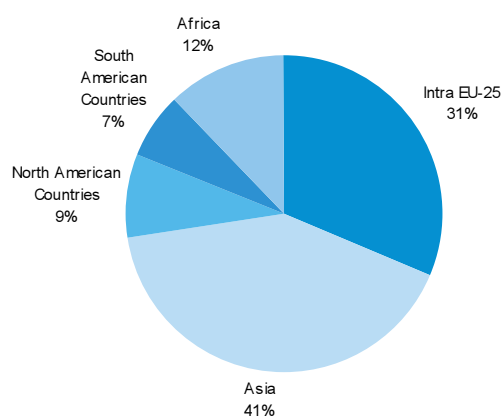
Export		Import	
Country	Value in million €	Country	Value in million €
DE	147 128	UK	96 258
SE	78 077	IT	93 557
IT	75 143	DE	87 279
UK	70 626	ES	79 740
FR	47 929	SE	74 735
NL	46 944	NL	66 595
IE	44 163	FR	64 624
ES	42 083	BE	50 352
FI	35 673	FI	35 853
BE	33 094	IE	25 298
DK	10 304	EL	19 622
PL	7 495	PT	14 247
PT	7 467	DK	8 865
EL	5 523	PL	7 182
LT	3 205	CY	4 053
EE	2 693	EE	2 351
LV	1 142	MT	1 959
SI	858	SI	1 634
MT	747	LT	1 396
CY	576	LV	580

Note: BG and RO data not available for both flows

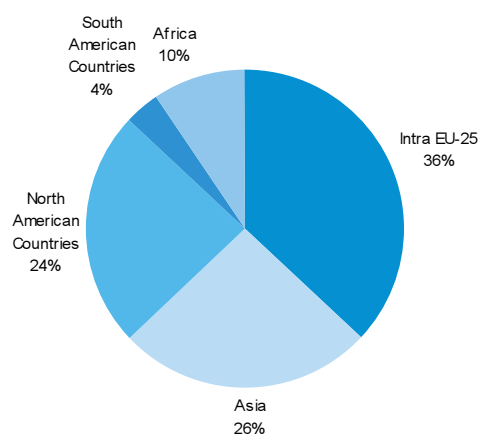
Source: Eurostat (Comext)

### EU-22 External trade of goods by sea, 2007 shares based on values)

#### Imports



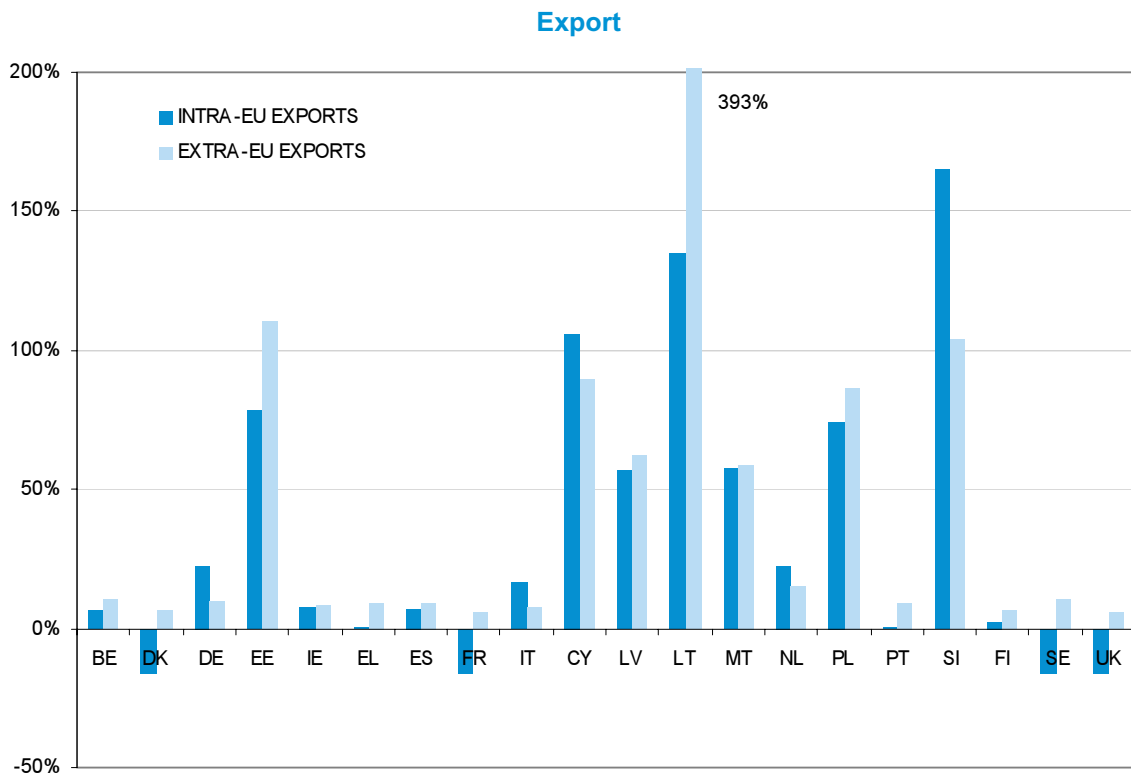
#### Exports



Note: BG and RO data not available for both flows

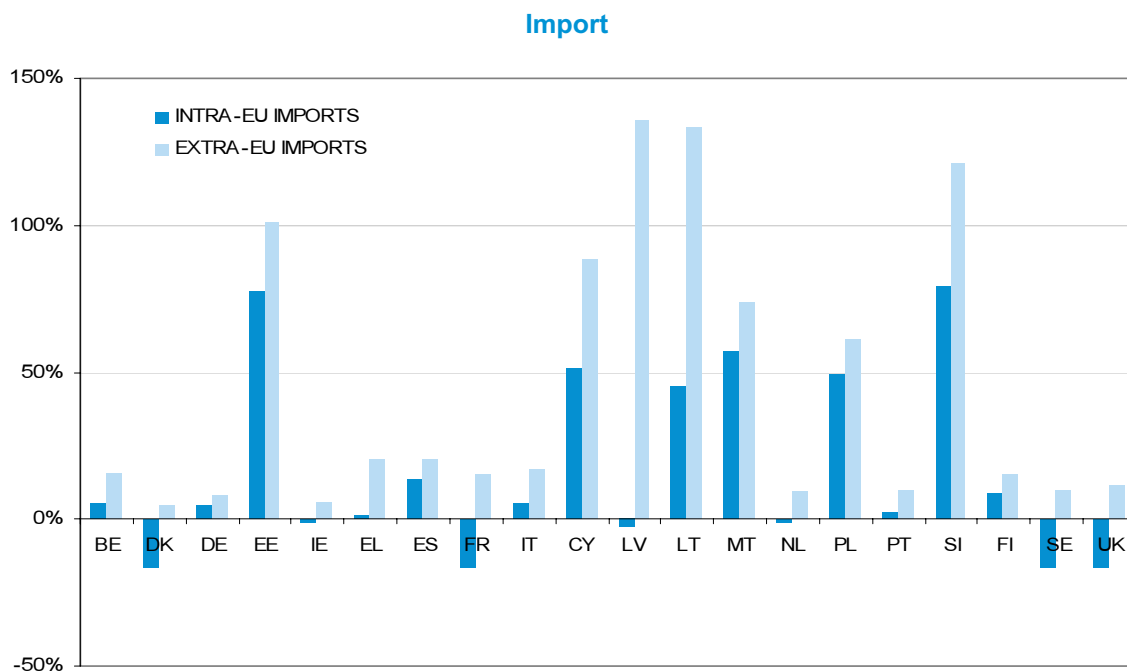
Source: Eurostat (Comext)

## Average annual growth rate of intra-EU and extra-EU trade by, 1999-2005, based on value



Note: For EE, CY, LV, LT, MT, PL and SI growth rate in 2004-2005  
 BG and RO: data not available

Source: Eurostat (Comext)



Note: For EE, CY, LV, LT, MT, PL and SI growth rate in 2004-2005  
 BG and RO: data not available

Source: Eurostat (Comext)

## • Fisheries

		<i>Unit</i>	<i>Year</i>	<i>EU having sea coasts</i>
Catches by fishing area	Marine animals (tonnes) for All fishing areas	Tonnes	2006	4 924 389
	Of which: North-east Atlantic	Tonnes	2006	3 694 110
	Mediterranean and Black Sea	Tonnes	2006	560 856
Employment in the fishery sector	Fishing (Total)	Persons	2005	264 551
	Of which: Marine (Coastal)	Persons	2006	29 997
	Marine (Deep-sea)	Persons	2006	9 687

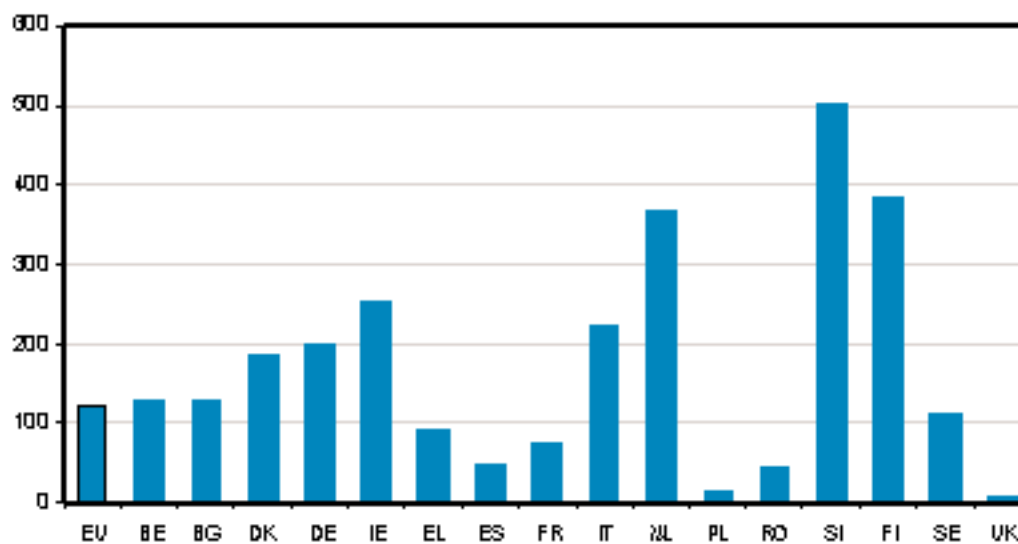
Source: Eurostat (Agriculture and fisheries)

## • Research Development

		<i>Unit</i>	<i>Year</i>	<i>EU-22</i>
Patent application to the EPO	Ships or other waterborne vessels; related equipment	Per thousand Mio inhab	2005	122

Source: Eurostat (Science and Technology (Patent))

### Number of patent applications to the EPO per thousand million inhabitants in EU-27 and by country, 2005



Note: EE, CY, LV, LT, MT and PT: not available

Source: Eurostat (Science and Technology (Patent))

## • Environment

		Unit	Year	EU having sea coasts
Number of Bathing sea area according to water quality <sup>(1)</sup>	Total	Value	2006	14 346
	Areas complying with guide values	Value	2006	12 680
	Areas complying with mandatory values	Value	2006	1 112
	Areas not complying with mandatory values	Value	2006	217
	Areas not sufficiently sampled or data not available	Value	2006	57
	Areas where bathing was prohibited	Value	2006	279
Percent of Bathing sea area according to water quality <sup>(1)</sup>	Total	%	2006	100.0
	Areas complying with guide values	%	2006	77.5
	Areas complying with mandatory values	%	2006	19.1
	Areas not complying with mandatory values	%	2006	2.8
	Areas not sufficiently sampled or data not available	%	2006	0.1
	Areas where bathing was prohibited	%	2006	0.5
Protected marine area <sup>(2)</sup>		km <sup>2</sup>	2007	78 282

(1) Source: Eurostat (Environment)

(2) Source: DG ENV

## • Ports activity

See detailed figures in Appendix 7.