



# EU energy and transport in figures

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## Preface

Energy and transport are two crucial sectors of the economy. This publication provides an overview of the most recent and most pertinent annual energy- and transport-related statistics in Europe. It covers the European Union and its 27 Member States and, as far as possible, the current EU candidate countries and the EFTA countries.

The content of this pocketbook is based on a range of sources including Eurostat, international organisations, national statistics and, where no data were available, own estimates. Own estimates have mainly been produced to get an idea of the EU total. At the level of individual countries, they are merely indicative and should by no means be (mis-)interpreted as 'official' data.

The publication consists of four parts:

- (1) a general part with general economic and other relevant data;
- (2) an energy part with data on energy production, consumption, taxation and prices;
- (3) a transport part covering both passenger and freight transport as well as other transport-related data; and, finally,
- (4) an environmental part with data on the impact which the energy and transport sectors have on the environment.

Most of the tables have data up to 2007; where available, more recent data have been provided.

The tables of this pocketbook may also be found on the Europa internet site under

[http://ec.europa.eu/energy/publications/statistics/statistics\\_en.htm](http://ec.europa.eu/energy/publications/statistics/statistics_en.htm)  
and under

[http://ec.europa.eu/transport/publications/statistics/statistics\\_en.htm](http://ec.europa.eu/transport/publications/statistics/statistics_en.htm)

Many tables on the internet contain more data than could be presented in this pocketbook. Some tables may be updated on the web before the publication of the next paper version.

Eurostat, the main data provider, may be accessed directly on the internet under <http://epp.eurostat.ec.europa.eu/>

Comments on this publication and suggestions for improving it are appreciated. They should be sent to [ener-moe@ec.europa.eu](mailto:ener-moe@ec.europa.eu) if they are related to energy statistics and to [move-transport-data@ec.europa.eu](mailto:move-transport-data@ec.europa.eu) if they are related to transport statistics.

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## Symbols and abbreviations

12	<i>Estimates are printed in italic</i>
%	per cent
-	not applicable, does not exist
blank	data not available
0	zero or figure less than half of unit used
ca.	circa = approximately
€	euro
DG	Directorate-General of the European Commission
dwt	deadweight ton (shipping)
GDP	Gross Domestic Product
grt	gross registered tonnage (shipping)
mio	1 million
mio t	1 million tonnes
mtow	maximum take-off weight (aircraft)
pkm	passenger-kilometre: a unit of measure: 1 passenger transported a distance of 1 kilometre
PPP	Purchasing Power Parities
rpk	revenue passenger kilometres (air)
TEU	Twenty foot Equivalent Unit
tkm	tonne-kilometre: a unit of measure: 1 tonne transported a distance of 1 kilometre
	break in horizontal time series
—	break in vertical time series

# Country abbreviations

## EUROPEAN UNION COUNTRIES (EU-27) (ALSO EEA MEMBERS)

	EU MEMBER STATE SINCE:	ALSO IN SUB-TOTAL OF:	
AT	Austria	1995	EU-15
BE	Belgium	1958	EU-15
BG	Bulgaria	2007	EU-12
CY	Cyprus	2004	EU-12
CZ	Czech Republic	2004	EU-12
DE	Germany	1958	EU-15
DK	Denmark	1973	EU-15
EE	Estonia	2004	EU-12
EL	Greece	1981	EU-15
ES	Spain	1986	EU-15
FI	Finland	1995	EU-15
FR	France	1958	EU-15
HU	Hungary	2004	EU-12
IE	Ireland	1973	EU-15
IT	Italy	1958	EU-15
LT	Lithuania	2004	EU-12
LU	Luxembourg	1958	EU-15
LV	Latvia	2004	EU-12
MT	Malta	2004	EU-12
NL	Netherlands	1958	EU-15
PL	Poland	2004	EU-12
PT	Portugal	1986	EU-15
RO	Romania	2007	EU-12
SE	Sweden	1995	EU-15
SI	Slovenia	2004	EU-12
SK	Slovak Republic	2004	EU-12
UK	United Kingdom	1973	EU-15

## OTHER EUROPEAN ECONOMIC AREA (EEA) AND IN EFTA

IS	Iceland	EEA: 1994	EFTA: 1960
LI	Liechtenstein	EEA: 1994	EFTA: 1991
NO	Norway	EEA: 1994	EFTA: 1960

## OTHER EUROPEAN FREE TRADE ASSOCIATION (EFTA)

CH	Switzerland		EFTA: 1960
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## EUROPEAN UNION CANDIDATE COUNTRIES

HR	Croatia
MK	Former Yugoslav Republic of Macedonia (FYROM)
TR	Turkey

## OTHER COUNTRIES

CS	Czechoslovakia (until 1992)
BR	Brazil
CA	Canada
CN	China
IN	India
JP	Japan
KR	Korea
MX	Mexico
RU	Russia
USA	United States of America

**Notes:** The countries which were members of the EU in 1994 became members of the EEA in 1994, those which joined the EU in 1995 had already been EEA members since 1994 and those which joined the EU in 2004 and 2007 became members of the EEA upon accession to the EU.

The former GDR is always included in **DE**; unification on 3.10.1990.

# PART 1

## GENERAL DATA



## PART 1 SUMMARY

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## General Data

	AREA	POPULATION	GDP (NOMINAL)	GDP PER HEAD IN PPP	
	1 000 km <sup>2</sup>	million	€ billion	EU-27=100	
		1/1/2009	2008	2007	2008
<b>EU-27</b>	4 324.8	497.826	12 506.8	100	100
<b>EU-15</b>	3 236.9	394.480	11 520.6	112	111
<b>EU-12</b>	1 087.9	103.346	986.2	56	59
BE	30.5	10.755	344.7	116	115
BG	111.0	7.607	34.1	38	41
CZ	78.9	10.468	147.9	80	80
DK	43.1	5.511	233.0	121	120
DE	357.1	82.002	2 495.8	116	116
EE	45.2	1.340	16.1	69	67
IE	70.3	4.450	181.8	148	135
EL	132.0	11.260	239.1	93	94
ES	506.0	45.828	1 088.5	105	103
FR	544.0	62.449	1 950.1	108	108
IT	301.3	60.045	1 572.2	103	102
CY	9.3	0.797	17.2	94	96
LV	64.6	2.261	23.2	56	57
LT	65.3	3.350	32.2	59	62
LU	2.6	0.494	39.3	275	276
HU	93.0	10.031	105.5	63	64
MT	0.3	0.414	5.7	76	76
NL	41.5	16.486	595.9	132	134
AT	83.9	8.355	281.9	123	123
PL	312.7	38.136	362.4	54	56
PT	92.1	10.627	166.4	76	76
RO	238.4	21.499	139.8	42	48
SI	20.3	2.032	37.1	89	91
SK	49.0	5.412	64.8	68	72
FI	338.4	5.326	184.2	118	117
SE	450.3	9.256	328.1	123	120
UK	243.8	61.635	1 818.9	117	116
HR	56.6	4.435	47.4	60	63
MK	25.7	2.049	6.5	31	33
TR	785.3	71.517	498.4	45	46
IS	103.0	0.319	10.3	121	121
NO	323.8	4.799	309.3	179	191
CH	41.3	7.702	341.3	141	141

**Notes:** CY: Area refers to the whole island. FR: Area and population only cover mainland France ('France métropolitaine'). The 4 French overseas departments Guyane, Martinique, Guadeloupe and La Réunion, which are part of the EU, have a combined area of 88 794 km<sup>2</sup> and a population of 1.9 million. The total area of the EU therefore is 4 413.6 thousand km<sup>2</sup>, its total population on 1 January 2009 was 499.7 million.

## Growth in GDP and Industrial Production COMPARED TO PREVIOUS YEAR

	GROWTH IN GDP Real growth				GROWTH IN INDUSTRIAL PRODUCTION (excluding construction)			
	% CHANGE				% CHANGE			
	2005	2006	2007	2008	2005	2006	2007	2008
<b>EU-27</b>	2.0	3.2	2.8	0.7	1.2	4.1	3.6	-1.7
<b>EU-15</b>	1.8	2.9	2.6	0.5	1.0	3.6	3.0	-2.0
<b>EU-12</b>	4.8	6.7	6.6	4.3				
BE	1.8	2.8	2.9	1.0	-0.9	5.0	2.9	-0.6
BG	6.2	6.3	6.2	6.0	7.2	6.0	9.5	0.6
CZ	6.3	6.8	6.1	2.5	4.3	8.7	10.5	-2.6
DK	2.4	3.4	1.7	-0.9	2.8	4.0	-2.1	-1.2
DE	0.8	3.2	2.5	1.3	3.5	5.7	6.0	0.0
EE	9.4	10.0	7.2	-3.6	11.1	10.2	6.4	-6.2
IE	6.2	5.4	6.0	-3.0	3.9	3.0	4.9	-1.5
EL	2.2	4.5	4.5	2.0	-1.6	0.8	2.3	-4.2
ES	3.6	4.0	3.6	0.9	0.8	3.9	2.0	-7.3
FR	1.9	2.2	2.3	0.4	0.2	1.3	1.2	-2.5
IT	0.7	2.0	1.6	-1.0	-0.8	3.6	2.1	-3.3
CY	3.9	4.1	5.1	3.6	0.5	0.4	4.7	4.1
LV	10.6	12.2	10.0	-4.6	7.4	6.5	1.0	-3.8
LT	7.8	7.8	9.8	2.8	7.6	6.7	2.5	4.9
LU	5.4	5.6	6.5	0.0	2.8	2.1	-0.6	-5.3
HU	3.5	4.0	1.0	0.6	7.3	10.6	8.1	-1.0
MT	4.0	3.5	4.0	2.1				
NL	2.0	3.4	3.6	2.0	0.5	1.5	2.3	1.4
AT	2.5	3.5	3.5	2.0	4.3	7.4	5.9	1.1
PL	3.6	6.2	6.8	5.0	4.5	12.3	9.2	2.2
PT	0.9	1.4	1.9	0.0	-3.5	3.2	0.1	-4.1
RO	4.2	7.9	6.3	7.3	-2.9	9.5	10.2	3.1
SI	4.5	5.8	6.8	3.5	4.1	6.1	7.2	2.0
SK	6.7	8.5	10.6	6.2	-1.2	15.2	16.9	3.2
FI	2.9	4.4	4.9	1.2	-0.6	10.1	4.7	1.1
SE	3.3	4.2	2.5	-0.2	2.2	3.6	3.9	-2.9
UK	2.2	2.9	2.6	0.5	-1.1	0.5	0.2	-3.1
HR	4.2	4.7	5.5	2.4	5.0	4.3	5.1	0.7
MK	4.1	4.0	5.9	4.9	7.0	3.6	5.2	6.3
TR	8.4	6.9	4.7	0.9	5.7	5.8	4.4	-0.9
IS	7.5	4.3	5.6	1.3	-2.5	5.0	5.6	14.6
NO	2.7	2.3	2.7	1.8	-0.3	-2.2	-1.3	0.3
CH	2.6	3.6	3.6	1.8	2.7	7.8	9.5	1.2

**Notes:** GDP growth: EU-12: own estimate; EL: provisional.

**Industrial production:** includes mining and quarrying, manufacturing as well as electricity, gas, steam and air conditioning supply (NACE Rev. 2 Sections B, C and D). Limited comparability with historical data published in previous editions of this pocketbook due to change from economic activity classification NACE Rev. 1.1 to NACE Rev. 2 and adoption of 2005 as new base year in all Eurostat data.

Data adjusted by working days, **MK:** gross data (manufacturing production index).

**IS:** Volume index of industry incl. energy. **BE, CZ, NL:** provisional data.

**BE, BG:** Eurostat estimates.

## Employment and Unemployment

	EMPLOYMENT RATE				UNEMPLOYMENT RATE			
	%				%			
	2005	2006	2007	2008	2005	2006	2007	2008
<b>EU-27</b>	63.5	64.5	65.4	65.9	9.0	8.3	7.2	7.1
<b>EU-15</b>	65.4	66.2	66.9	67.3	8.2	7.8	7.1	7.2
<b>EU-12</b>	57.0	58.4	59.9	61.0	12.1	10.1	7.8	6.6
BE	61.1	61.0	62.0	62.4	8.5	8.3	7.5	7.0
BG	55.8	58.6	61.7	64.0	10.2	9.0	6.9	5.7
CZ	64.8	65.3	66.1	66.6	8.0	7.2	5.4	4.4
DK	75.9	77.4	77.1	78.1	4.9	4.0	3.8	3.4
DE	66.0	67.5	69.4	70.7	11.2	10.3	8.7	7.6
EE	64.4	68.1	69.4	69.8	8.1	6.1	4.8	5.6
IE	67.6	68.6	69.1	67.6	4.4	4.4	4.6	6.1
EL	60.1	61.0	61.4	61.9	10.0	9.0	8.4	7.8
ES	63.3	64.8	65.6	64.3	9.2	8.6	8.3	11.4
FR	63.7	63.7	64.3	64.9	8.9	8.9	8.0	7.4
IT	57.6	58.4	58.7	58.7	7.8	6.9	6.2	6.8
CY	68.5	69.6	71.0	70.8	5.4	4.7	4.0	3.8
LV	63.3	66.3	68.3	68.7	9.0	7.0	6.1	7.7
LT	62.6	63.6	64.9	64.3	8.4	5.7	4.4	5.9
LU	63.6	63.5	64.2	63.4	4.5	4.7	4.1	5.1
HU	56.9	57.3	57.3	56.7	7.2	7.5	7.4	7.9
MT	53.9	53.6	54.6	55.3	7.3	6.9	6.5	6.1
NL	73.2	74.4	76.0	77.2	4.8	3.9	3.2	2.7
AT	68.6	70.2	71.4	72.1	5.2	4.8	4.5	3.9
PL	52.8	54.5	57.0	59.2	18.0	14.0	9.7	7.2
PT	67.5	67.9	67.8	68.2	8.1	8.1	8.5	8.1
RO	57.6	58.8	58.8	59.0	7.5	7.6	6.8	6.1
SI	66.0	66.6	67.8	68.6	6.7	6.1	5.0	4.5
SK	57.7	59.4	60.7	62.3	16.3	13.4	11.2	9.5
FI	68.4	69.3	70.3	71.1	8.5	7.8	6.9	6.4
SE	72.5	73.1	74.2	74.3	7.9	7.1	6.2	6.3
UK	71.7	71.6	71.5	71.5	4.8	5.4	5.4	5.7
HR	55.0	55.6	57.1	57.8	13.0	11.5	9.8	8.6
MK	33.9	39.6	40.7	42.0	37.3	36.3	35.2	34.0
TR	46.0	45.9	45.8	45.9	8.8	8.6	8.7	9.6
IS	83.8	84.6	85.1	83.6	2.6	2.9	2.2	3.0
NO	74.8	75.4	76.8	78.0	4.4	3.4	2.5	2.6
CH	77.2	77.9	78.6	79.5	4.5	4.1	3.7	3.4

**Notes:** Labour force survey data, referring to population 15-64 years old.

Source: Eurostat; MK, TR: national source until 2005

## Share of Gross Value Added and Employment by Sector

	SHARE OF GROSS VALUE ADDED (%)			SHARE OF EMPLOYMENT (%)		
	AGRI-CULTURE	INDUSTRY	SERVICES	AGRI-CULTURE	INDUSTRY	SERVICES
	2008			2008		
EU-27	1.8	26.5	71.7	5.7	24.9	69.4
EU-15	1.6	25.9	72.5	3.4	23.2	73.4
EU-12	4.1	33.2	62.6	14.8	31.9	53.3
BE	0.7	23.1	76.2	1.8	19.9	78.3
BG	7.3	30.5	62.2	19.3	28.3	52.5
CZ	2.5	37.6	59.9	3.6	38.2	58.2
DK	1.2	25.6	73.2	2.9	20.8	76.3
DE	0.9	29.8	69.3	2.1	25.4	72.5
EE	2.9	29.1	68.0	3.9	34.7	61.4
IE	1.4	32.4	66.2	5.8	25.6	68.6
EL	3.7	19.0	77.3	11.5	19.7	68.8
ES	2.6	28.4	69.0	4.3	27.2	68.5
FR	2.0	20.4	77.6	3.3	20.1	76.6
IT	2.0	27.0	71.0	3.9	28.2	67.9
CY	2.1	19.5	78.5	4.3	20.3	75.4
LV	3.1	22.6	74.3	7.9	28.6	63.5
LT	4.4	31.5	64.1	7.9	30.4	61.7
LU	0.3	15.4	84.3	1.5	21.8	76.7
HU	4.3	29.1	66.6	7.5	31.6	60.8
MT	1.8	21.0	77.3	2.4	27.9	69.8
NL	1.8	25.5	72.8	2.9	16.9	80.2
AT	1.7	30.7	67.6	5.2	23.9	70.8
PL	3.7	32.0	64.2	14.0	31.4	54.6
PT	2.3	23.9	73.8	11.6	27.9	60.5
RO	7.5	37.6	54.9	29.8	30.6	39.5
SI	2.4	33.9	63.8	8.6	34.6	56.8
SK	3.1	38.0	58.9	3.6	34.4	62.0
FI	2.8	32.3	64.8	4.8	25.7	69.4
SE	1.6	28.0	70.5	2.2	22.7	75.1
UK	0.9	23.6	75.5	1.5	17.7	80.7
HR	6.4	28.6	65.0	4.8	31.1	64.0
MK	12.0	31.2	56.7	19.7	31.3	49.1
TR	8.5	27.1	64.4	23.7	26.8	49.5
IS	6.1	26.3	67.6	4.8	22.2	73.0
NO	1.1	46.1	52.9	2.8	20.6	76.6
CH	1.2	28.2	70.7	4.0	23.3	72.7

**Notes:** Agriculture covers agriculture, hunting, forestry and fishing. Industry includes mining and quarrying, manufacturing, energy, gas and water supply as well as construction. All other sectors are included in services.

Share of employment: FR: 2007. UK and CH: Share based on number of jobs (not persons).



## Population

	1990	1995	2000	2005	2006	2007	2008	2009	% change '08/'09
<b>EU-27</b>	470.388	477.010	481.081	489.344	491.397	493.453	495.768	497.826	0.4
<b>EU-15</b>	363.493	370.667	375.558	385.819	387.977	390.131	392.468	394.480	0.5
<b>EU-12</b>	106.896	106.342	105.523	103.525	103.420	103.322	103.300	103.346	0.0
<b>BE</b>	9.948	10.131	10.239	10.446	10.511	10.585	10.667	10.755	0.8
<b>BG</b>	8.767	8.427	8.191	7.761	7.719	7.679	7.640	7.607	-0.4
<b>CZ</b>	10.362	10.333	10.278	10.221	10.251	10.287	10.381	10.468	0.8
<b>DK</b>	5.135	5.216	5.330	5.411	5.427	5.447	5.476	5.511	0.7
<b>DE</b>	79.113	81.539	82.163	82.501	82.438	82.315	82.218	82.002	-0.3
<b>EE</b>	1.571	1.448	1.372	1.348	1.345	1.342	1.341	1.340	0.0
<b>IE</b>	3.507	3.598	3.778	4.109	4.209	4.313	4.401	4.450	1.1
<b>EL</b>	10.121	10.595	10.904	11.083	11.125	11.172	11.214	11.260	0.4
<b>ES</b>	38.826	39.343	40.050	43.038	43.758	44.475	45.283	45.828	1.2
<b>FR</b>	56.577	57.753	58.858	60.963	61.400	61.771	62.106	62.449	0.6
<b>IT</b>	56.694	56.844	56.924	58.462	58.752	59.131	59.619	60.045	0.7
<b>CY</b>	0.573	0.645	0.690	0.749	0.766	0.779	0.789	0.797	1.0
<b>LV</b>	2.668	2.501	2.382	2.306	2.295	2.281	2.271	2.261	-0.4
<b>LT</b>	3.694	3.643	3.512	3.425	3.403	3.385	3.366	3.350	-0.5
<b>LU</b>	0.379	0.406	0.434	0.461	0.469	0.476	0.484	0.494	2.0
<b>HU</b>	10.375	10.337	10.222	10.098	10.077	10.066	10.045	10.031	-0.1
<b>MT</b>	0.352	0.369	0.380	0.403	0.405	0.408	0.410	0.414	0.8
<b>NL</b>	14.893	15.424	15.864	16.306	16.334	16.358	16.405	16.486	0.5
<b>AT</b>	7.645	7.943	8.002	8.201	8.254	8.283	8.319	8.355	0.4
<b>PL</b>	38.038	38.581	38.654	38.174	38.157	38.125	38.116	38.136	0.1
<b>PT</b>	9.996	10.018	10.195	10.529	10.570	10.599	10.618	10.627	0.1
<b>RO</b>	23.211	22.712	22.455	21.659	21.610	21.565	21.529	21.499	-0.1
<b>SI</b>	1.996	1.989	1.988	1.998	2.003	2.010	2.010	2.032	1.1
<b>SK</b>	5.288	5.356	5.399	5.385	5.389	5.394	5.401	5.412	0.2
<b>FI</b>	4.974	5.099	5.171	5.237	5.256	5.277	5.300	5.326	0.5
<b>SE</b>	8.527	8.816	8.861	9.011	9.048	9.113	9.183	9.256	0.8
<b>UK</b>	57.157	57.943	58.785	60.060	60.426	60.817	61.176	61.635	0.8
<b>HR</b>	4.773	4.659	4.498	4.444	4.443	4.441	4.436	4.435	0.0
<b>MK</b>	1.873	1.957	2.022	2.035	2.039	2.042	2.045	2.049	0.2
<b>TR</b>	55.495	61.204	66.889	71.610	72.520	69.689	70.586	71.517	1.3
<b>IS</b>	0.254	0.267	0.279	0.294	0.300	0.308	0.315	0.319	1.2
<b>NO</b>	4.233	4.348	4.478	4.606	4.640	4.681	4.737	4.799	1.3
<b>CH</b>	6.674	7.019	7.164	7.415	7.459	7.509	7.593	7.702	1.4
<b>LI</b>	0.028	0.031	0.032	0.035	0.035	0.035	0.035	0.036	0.7

Notes: CY: government-controlled area only;

FR: metropolitan France only (i.e. no overseas territories and overseas departments).

## Member States External Trade

### IMPORTS

YEAR 2008 (VALUE = billion €)

	IMPORTS FROM:								
	WORLD	EU-27	EXTRA- EU-27	OF WHICH:					
				CANDIDATE <sup>3</sup>	EFTA	USA	JAPAN	RUSSIA	CHINA
EU-27	4 189.762	2 624.729	1 565.033	52.918	180.054	186.887	75.159	177.866	247.917
BE	317.043	221.585	95.458	2.744	7.326	17.590	8.543	5.492	13.402
BG	25.094	14.228	10.866	1.744	0.231	0.270	0.141	3.607	0.756
CZ	96.572	74.260	22.311	0.508	1.060	1.167	2.048	5.987	4.721
DK	74.776	53.709	21.067	0.733	5.548	2.284	0.459	1.137	4.294
DE	805.730	512.768	292.962	9.956	51.019	34.361	17.430	35.666	51.461
EE	10.898	8.694	2.204	0.047	0.116	0.115	0.059	0.815	0.293
IE	57.088	39.902	17.186	0.326	1.698	6.592	0.852	0.116	1.879
EL	60.322	32.982	27.340	2.078	1.249	1.651	0.920	4.454	3.347
ES	286.105	169.596	116.509	3.534	4.797	9.570	3.900	7.351	17.108
FR	478.294	323.146	155.148	4.765	19.217	20.617	5.742	13.160	19.165
IT	377.284	203.976	173.308	7.224	14.381	11.798	5.022	16.085	23.600
CY	7.237	4.915	2.322	0.030	0.102	0.124	0.163	0.029	0.386
LV	10.975	8.284	2.691	0.056	0.206	0.106	0.028	1.184	0.250
LT	21.144	12.169	8.975	0.121	0.213	0.369	0.049	6.330	0.542
LU	21.475	16.018	5.456	0.038	0.221	0.528	0.071	0.017	4.086
HU	74.069	50.521	23.547	0.676	0.619	1.046	1.850	6.651	5.586
MT	3.252	2.402	0.850	0.032	0.073	0.069	0.056	0.001	0.106
NL	394.980	190.034	204.947	2.380	16.052	29.476	11.752	21.107	40.382
AT	125.301	97.762	27.540	2.213	7.029	2.244	1.040	2.350	3.203
PL	141.966	102.006	39.961	1.311	2.473	2.028	1.226	13.711	6.276
PT	61.174	44.987	16.187	0.390	1.119	1.031	0.589	0.404	1.342
RO	57.148	39.827	17.321	2.847	0.510	0.825	0.301	3.330	2.397
SI	25.180	17.942	7.238	1.934	0.209	0.428	0.104	0.396	0.616
SK	50.253	36.724	13.529	0.283	0.310	0.315	0.472	5.258	2.078
FI	62.402	38.710	23.692	0.250	1.921	1.252	0.690	10.150	3.168
SE	113.638	78.311	35.327	0.883	10.702	3.591	2.086	4.998	4.765
UK	430.361	229.270	201.091	5.814	31.653	37.441	9.566	8.081	32.706

Notes: Candidate 3: Croatia, Former Yugoslav Republic of Macedonia, Turkey  
EFTA: Iceland, Liechtenstein, Norway, Switzerland.

## Member States External Trade

### EXPORTS

YEAR 2008 (VALUE = billion €)

	EXPORTS TO:								
	WORLD	EU-27	EXTRA- EU-27	OF WHICH:					
				CANDIDATE <sup>3</sup>	EFTA	USA	JAPAN	RUSSIA	CHINA
EU-27	4 011.357	2 704.747	1 306.611	70.965	145.314	249.959	42.275	105.030	78.430
BE	320.805	246.595	74.210	3.756	6.100	15.701	2.105	3.622	3.424
BG	15.204	9.118	6.086	1.808	0.119	0.237	0.018	0.413	0.110
CZ	99.809	84.768	15.041	1.054	1.921	1.768	0.382	2.911	0.548
DK	79.254	55.273	23.982	0.749	5.552	4.260	1.525	1.386	1.490
DE	983.255	622.664	360.591	18.406	47.247	71.082	12.708	32.270	34.037
EE	8.465	5.929	2.536	0.158	0.313	0.407	0.039	0.881	0.054
IE	85.477	53.694	31.782	0.451	3.074	16.237	1.707	0.319	1.594
EL	17.196	10.964	6.233	1.153	0.313	0.886	0.033	0.419	0.104
ES	191.388	133.155	58.233	3.284	3.469	7.486	1.436	2.803	2.132
FR	408.776	259.569	149.207	6.187	13.753	23.755	5.596	7.006	8.979
IT	365.806	213.918	151.888	10.841	16.381	23.038	4.258	10.470	6.444
CY	1.110	0.770	0.341	0.004	0.008	0.008	0.020	0.019	0.007
LV	6.897	4.730	2.167	0.011	0.244	0.095	0.023	1.011	0.019
LT	16.077	9.694	6.383	0.121	0.507	0.514	0.013	2.582	0.019
LU	17.224	15.293	1.930	0.254	0.382	0.302	0.034	0.158	0.158
HU	73.772	57.672	16.100	2.226	1.113	1.689	0.344	2.666	0.762
MT	2.003	0.922	1.081	0.015	0.017	0.183	0.158	0.002	0.025
NL	433.722	342.350	91.372	4.716	9.089	16.736	3.021	7.144	3.965
AT	123.259	89.024	34.235	2.708	5.783	5.291	1.025	3.421	1.945
PL	115.895	90.178	25.717	1.714	2.887	1.685	0.269	6.041	0.867
PT	37.949	28.006	9.943	0.244	0.414	1.340	0.180	0.191	0.184
RO	33.679	23.758	9.921	2.380	0.627	0.576	0.081	0.610	0.160
SI	23.204	15.799	7.405	2.268	0.228	0.281	0.027	1.117	0.121
SK	48.370	41.285	7.085	0.877	0.449	0.815	0.094	1.811	0.419
FI	65.580	36.668	28.913	0.712	2.582	4.148	1.181	7.618	2.060
SE	124.653	74.893	49.759	1.486	13.410	8.201	1.370	3.023	2.696
UK	312.528	178.057	134.471	3.381	9.334	43.239	4.628	5.117	6.107

**Notes:** Candidate 3: Croatia, Former Yugoslav Republic of Macedonia, Turkey  
EFTA: Iceland, Liechtenstein, Norway, Switzerland.

## Comparison EU – World

### GENERAL DATA

	EU-27 2008	USA 2008	JAPAN 2008	CHINA 2008	RUSSIA 2008
<b>Population</b> million	498.69	304.38	127.69	1 324.66	141.96
<b>Population growth</b> % change since previous year	0.4	0.9	-0.1	0.5	-0.1
<b>Urban population</b> % of total	73	81	90	45	73
<b>Area</b> thousand km <sup>2</sup>	4 414	9 629	378	9 597	17 075
<b>Population density</b> Persons/km <sup>2</sup>	113	32	338	138	8
<b>GDP (nominal)</b> € billion	12 507	9 819	3 313	3 072	1 133
<b>Real GDP growth</b> (in national currency); %	0.8	0.4	-1.2	9.6	5.6
<b>Relative GDP per capita</b> in PPP (EU-27 = 100)	100	155	111	19	52
<b>Exports</b> € billion	1 307	867	501	990	314
<b>Imports</b> € billion	1 565	1 447	503	730	186

**Notes:** EU-27: area, population: incl. French overseas departments; trade: only extra-EU trade.

# PART 2

# ENERGY



## PART 2 SUMMARY

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## Glossary

**Conventional thermal power:**

Technology for the production of electricity by combustion. May or may not include also biomass use, which is also considered a renewable source of electricity.

**Energy Dependency:**

Energy dependency shows the extent to which a country relies upon imports in order to meet its energy needs. It is calculated using the following formula:

$\text{net imports} / (\text{gross inland consumption} + \text{bunkers})$

**Energy Intensity:**

Energy intensity gives an indication of the effectiveness with which energy is being used to produce added value. It is defined as the ratio of Gross Inland Consumption of energy to Gross Domestic Product.

**Final Energy Consumption (FEC):**

Final energy consumption is the energy finally consumed in the transport, industrial, commercial, agricultural, public and household sectors. It excludes deliveries to the energy transformation sector and to the energy industries themselves.

**Gross Calorific Value (GCV):**

The gross calorific value is the total amount of heat released by a unit quantity of fuel, when it is burned completely with oxygen, and when the products of combustion are returned to ambient temperature. This quantity includes the heat of condensation of any water vapour contained in the fuel and of the water vapour formed by the combustion of any hydrogen contained in the fuel.

**Gross Inland Consumption (GIC):**

Gross inland consumption is the quantity of energy consumed within the borders of a country. It is calculated using the following formula:  
 $\text{primary production} + \text{recovered products} + \text{imports} + \text{stock changes} - \text{exports} - \text{bunkers}$  (i.e. quantities supplied to sea-going ships)

**Net Calorific Value (NCV):**

The net calorific value is the amount of heat released by a unit quantity of fuel, when it is burned completely with oxygen, and when the products of combustion are returned to ambient temperature.

This quantity does not include the heat of condensation of any water vapour contained in the fuel nor of the water vapour formed by the combustion of any hydrogen contained in the fuel.

**Primary Energy Production:**

Primary energy production is the extraction of energy from a natural source. The precise definition depends on the fuel involved:

**Solid fuels: Hard coal, lignite**

Quantities of fuels extracted or produced, calculated after any operation for removal of inert matter. In general, production includes the quantities consumed by the producer during the production process (e.g. for heating or operation of equipment and auxiliaries) as well as any quantities supplied to other on-site producers of energy for transformation or other uses.

## Glossary

**Crude oil:**

Quantities of fuels extracted or produced within national boundaries, including off-shore production. Production includes only marketable production, and excludes any quantities returned to formation. Production includes all crude oil, natural gas liquids (NGL), condensates and oil from shale and tar sands, etc.

**Natural gas:**

Quantities of dry gas, measured after purification and extraction of natural gas liquids and sulphur. The production includes only marketable production, and excludes any quantities re-injected, vented and flared, and any extraction losses. The production includes all quantities used within the natural gas industry, in gas extraction, pipeline systems and processing plants.

**Nuclear heat:**

Quantities of heat produced in a reactor. Production is the actual heat produced or the heat calculated on the basis of the gross electricity generated and the thermal efficiency of the nuclear plant.

**Hydropower, Wind energy, Solar photovoltaic energy:**

Quantities of electricity generated. Production is calculated on the basis of the gross electricity generated and a conversion factor of 3600 kJ/kWh.

**Geothermal energy:**

Quantities of heat extracted from geothermal fluids. Production is calculated on the basis of the difference between the enthalpy of the fluid produced in the production borehole and that of the fluid disposed of via the re-injection borehole.

**Biomass / Wastes:**

In the case of municipal solid wastes (MSW), wood, wood wastes and other solid wastes, production is the heat produced after combustion and corresponds to the heat content (NCV) of the fuel. In the case of anaerobic digestion of wet wastes, production is the heat content (NCV) of the biogases produced. The production includes all quantities of gas consumed in the installation for the fermentation processes, and excludes all quantities of flared gases. In the case of biofuels, the production is the heat content (NCV) of the fuel. In the case of biofuels, the production is the heat content (NCV) of the fuel.

**Pumping, pumped storage:**

Method for storing electrical energy at hydroelectric installations by pumping water between reservoirs at different altitudes.

**Renewable Energy Sources (RES):**

Renewable energy includes hydroelectricity, biomass, wind, solar, tidal and geothermal energy.

**Tonne of oil equivalent (toe):**

The tonne of oil equivalent is a conventional standardised unit for measuring energy, defined on the basis of a tonne of oil with a net calorific value of 41 868 kilojoules/kg.

1 ktoe = 1 000 toe

1 Mtoe = 1 000 000 toe



## Average Calorific Values – Energy Content

		<b>kJ (NCV)</b>	<b>kgoe (NCV)</b>
Hard coal	1 kg	17 200 - 30 700	0.411 - 0.733
Recovered hard coal	1 kg	13 800 - 28 300	0.330 - 0.676
Patent fuels	1 kg	26 800 - 31 400	0.640 - 0.750
Hard coke	1 kg	28 500	0.681
Brown coal	1 kg	5 600 - 10 500	0.134 - 0.251
Black lignite	1 kg	10 500 - 21 000	0.251 - 0.502
Peat	1 kg	7 800 - 13 800	0.186 - 0.330
Brown coal briquettes	1 kg	20 000	0.478
Tar	1 kg	37 700	0.900
Benzol	1 kg	39 500	0.943
Oil equivalent	1 kg	41 868	1
Crude oil	1 kg	41 600 - 42 800	0.994 - 1.022
Feedstocks	1 kg	42 500	1.015
Refinery gas	1 kg	50 000	1.194
LPG	1 kg	46 000	1.099
Motor spirit	1 kg	44 000	1.051
Kerosenes, jet fuels	1 kg	43 000	1.027
Naphtha	1 kg	44 000	1.051
Gas diesel oil	1 kg	42 300	1.010
Residual fuel oil	1 kg	40 000	0.955
White spirit	1 kg	44 000	1.051
Lubricants	1 kg	42 300	1.010
Bitumen	1 kg	37 700	0.900
Petroleum cokes	1 kg	31 400	0.750
Other petro. products	1 kg	30 000	0.717
Electrical energy	1 kWh	3 600	0.086

## Conversion Factors

### ENERGY

FROM:	TO:	TJ	Gcal	Mtoe	GWh
TJ		1	238.8	$2.388 \times 10^{-5}$	0.2778
Gcal		$4.1868 \times 10^{-3}$	1	$1 \times 10^{-7}$	$1.163 \times 10^{-3}$
Mtoe		$4.1868 \times 10^4$	$1 \times 10^7$	1	11 630
GWh		3.6	860	$8.6 \times 10^{-5}$	1

### VOLUME

FROM:	TO:	Barrel	Litre	U.S. gallon	U.K. gallon
Barrel		1	158.99	42	34.9723
Litre		$0.6290 \times 10^{-2}$	1	0.2642	0.2200
US gallon		$0.2381 \times 10^{-1}$	3.7854	1	0.8327
UK gallon		$0.2859 \times 10^{-1}$	4.5461	1.2009	1

### MASS

FROM:	TO:	Tonne	Long ton	Short ton
Tonne (t)		1	0.9842	1.1023
Long ton (lt) UK		1.0160	1	1.1200
Short ton (st) US		0.9072	0.8929	1

### DECIMAL PREFIXES

$10^1$	deca (da)	$10^{-1}$	deci (d)
$10^2$	hecto (h)	$10^{-2}$	centi (c)
$10^3$	kilo (k)	$10^{-3}$	milli (m)
$10^6$	mega (M)	$10^{-6}$	micro ( $\mu$ )
$10^9$	giga (G)	$10^{-9}$	nano (n)
$10^{12}$	tera (T)	$10^{-12}$	pico (p)
$10^{15}$	peta (P)	$10^{-15}$	femto (f)
$10^{18}$	exa (E)	$10^{-18}$	atto (a)

## Methodology for the calculation of EU-wide average fuel prices

All available price data has been used in the calculation of EU-wide fuel price averages. The overall EU price is an average of the prices in the individual countries weighted by their consumption.

### Electricity and Gas

The legal basis for the collection of industrial gas and electricity prices is defined by EC Directive 2008/92/EC. The collection of prices for household consumers is done on a voluntary agreement with the Member States. The collection of price information includes:

- national average prices;
- average of the last 6 months;
- prices are reported for different consumption bands (see the data tables).

### Petroleum Products

Heating gasoil, low sulphur fuel oil, unleaded petrol and automotive diesel prices are supplied to Energy DG by the Member States as those being the most frequently encountered for the specific categories of sales. The prices given are as of January 15<sup>th</sup> in each year.

The heating gasoil prices given are for deliveries of between 2 000 and 5 000 litres while those for low sulphur fuel oil are for monthly deliveries of less than 2 000 tonnes or annual deliveries of less than 24 000 tonnes. The average pump prices are given for motor fuels.

The EU average prices are calculated by weighting the prices from each country by the corresponding final energy consumption.

## 2.2

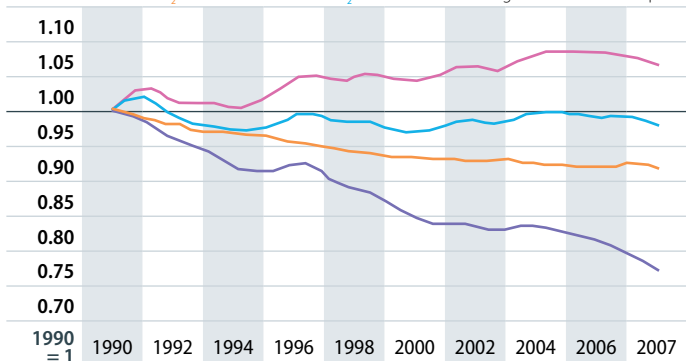
## 2.2.1

## Indicators

### EU-27 AGGREGATED

	ENERGY INTENSITY (toe/Meuro)(*)	CARBON INTENSITY (tonne CO <sub>2</sub> /toe)	GIC PER CAPITA (kgoe/inh.)	CO <sub>2</sub> EMISSIONS PER CAPITA (kg/inh.)
1990	232.7	2.75	3 381	9 305
1991	228.7	2.71	3 514	9 525
1992	221.2	2.68	3 429	9 191
1993	216.2	2.65	3 415	9 042
1994	209.3	2.64	3 396	8 977
1995	208.8	2.61	3 474	9 070
1996	211.8	2.59	3 587	9 289
1997	204.3	2.57	3 549	9 120
1998	200.5	2.54	3 582	9 113
1999	193.2	2.52	3 552	8 958
2000	187.4	2.52	3 570	9 006
2001	187.8	2.51	3 642	9 157
2002	185.0	2.51	3 620	9 084
2003	187.3	2.50	3 698	9 252
2004	184.9	2.49	3 724	9 271
2005	181.5	2.48	3 711	9 190
2006	176.0	2.49	3 696	9 209
2007	169.3	2.49	3 641	9 066

GIC/GDP - CO<sub>2</sub>/GIC - GIC/inhabitant - CO<sub>2</sub>/inhabitant    GIC = gross inland consumption



**Notes:** (\*) For GDP at 2000 market prices

**Definition:** carbon intensity = CO<sub>2</sub> emissions/gross inland consumption

energy intensity = gross inland consumption of energy/gross domestic product.

## Gross Inland Consumption 2007 (Mtoe)

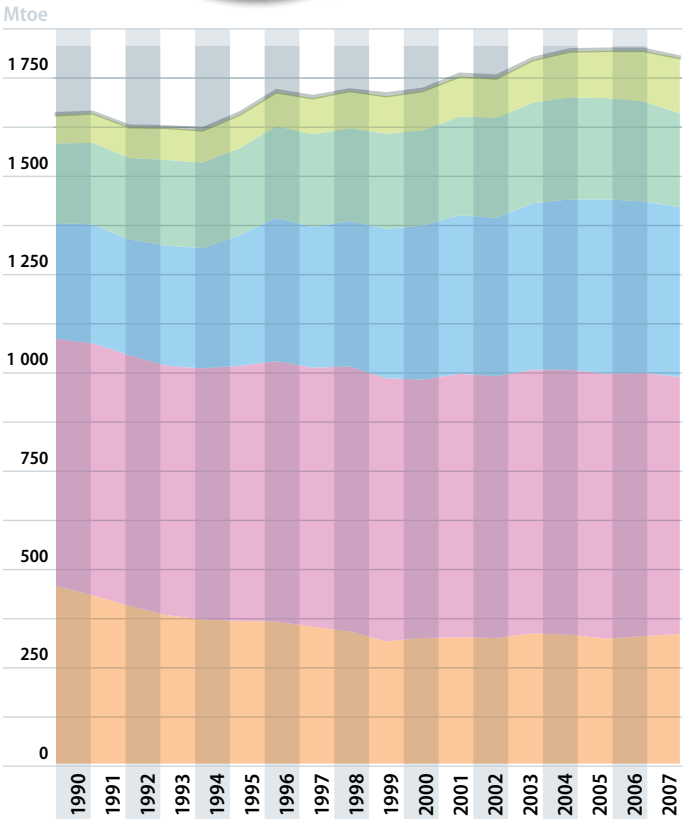
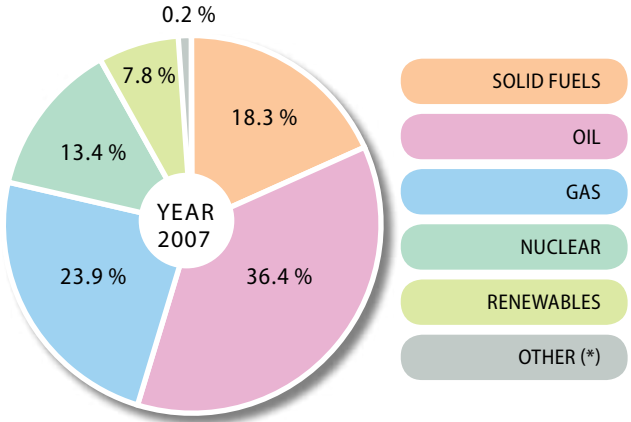
	ALL FUELS	Solid fuels	Oil	Natural gas	Nuclear	Renewables	Other (*)
<b>EU-27</b>	1 806.4	331.2	656.9	432.4	241.3	141.0	3.5
<b>Share</b>	100.0%	18.3%	36.4%	23.9%	13.4%	7.8%	0.2%
<b>EU-25</b>	1 746.0	313.2	641.6	416.4	235.5	135.3	3.9
<b>Share</b>	100.0%	17.9%	36.7%	23.9%	13.5%	7.8%	0.2%
BE	57.4	4.6	22.6	14.9	12.4	1.8	1.0
BG	20.3	7.8	5.1	3.0	3.8	1.0	-0.3
CZ	46.2	21.4	10.0	7.2	6.8	2.2	-1.3
DK	20.5	4.7	8.3	4.1		3.6	-0.1
DE	339.6	87.0	112.7	76.6	36.3	28.1	-1.1
EE	6.1	3.7	1.2	0.8		0.6	-0.2
IE	15.9	2.3	8.7	4.3		0.5	0.1
EL	33.5	10.8	17.2	3.3		1.7	0.4
ES	146.8	20.2	70.8	31.9	14.2	10.3	-0.5
FR	270.3	13.4	90.9	38.5	113.4	19.0	-4.9
IT	183.5	16.8	80.3	69.5		12.7	4.1
CY	2.7	0.0	2.6			0.1	0.0
LV	4.8	0.1	1.6	1.4		1.4	0.3
LT	9.2	0.3	2.8	2.9	2.5	0.8	-0.1
LU	4.7	0.1	2.9	1.2		0.1	0.3
HU	27.0	3.1	7.6	10.7	3.8	1.4	0.4
MT	0.9		0.9				
NL	84.5	8.4	37.2	33.4	1.1	3.0	1.5
AT	33.8	3.9	13.9	7.0		8.0	1.0
PL	98.0	55.5	25.1	12.4		5.0	0.0
PT	26.0	2.9	14.0	3.8		4.6	0.6
RO	40.1	10.2	10.2	13.0	2.0	4.8	-0.1
SI	7.3	1.6	2.6	0.9	1.5	0.7	0.0
SK	18.1	4.0	3.9	5.1	4.0	1.0	0.2
FI	37.6	7.2	11.0	3.7	6.0	8.5	1.1
SE	50.6	2.7	13.9	0.9	17.3	15.6	0.1
UK	221.1	38.7	78.7	82.0	16.3	4.6	0.8
HR	9.4	0.7	4.7	2.7		0.7	0.5
MK	2.9						
TR	101.5	29.4	32.2	30.4		9.6	-0.1
IS							
NO	27.7	0.8	10.0	4.8		12.9	-0.8
CH	26.9	0.2	11.7	2.6	7.2	5.1	0.1

Notes: (\*) Electrical Energy and Industrial Waste.

## Gross Inland Consumption 2007, RENEWABLES in ktoe

	RENEWABLES	Biomass	Hydro	Wind	Solar	Geothermal
EU-27	141 035	98 383	26 653	8 965	1 263	5 771
Share	100.0%	69.8%	18.9%	6.4%	0.9%	4.1%
EU-25	135 320	94 345	25 033	8 960	1 263	5 719
Share	100.0%	69.7%	18.5%	6.6%	0.9%	4.2%
BE	1 795	1 711	33	42	5	3
BG	962	678	247	4		33
CZ	2 182	1 988	180	11	4	
DK	3 559	2 915	2	617	11	14
DE	28 106	22 102	1 797	3 415	580	212
EE	602	592	2	8		
IE	465	236	57	168	1	2
EL	1 679	1 126	223	156	160	14
ES	10 292	5 394	2 387	2 365	137	8
FR	18 958	13 394	5 048	348	37	130
IT	12 689	4 463	2 822	347	56	5 002
CY	66	13			54	
LV	1 413	1 173	235	5		
LT	812	765	36	9		2
LU	117	100	9	6	2	
HU	1 420	1 304	18	9	3	86
MT						
NL	3 024	2 696	9	296	23	
AT	8 038	4 630	3 095	173	108	32
PL	4 990	4 732	202	45	0	10
PT	4 584	3 149	868	347	28	193
RO	4 753	3 360	1 373	0	0	20
SI	735	454	281			
SK	992	598	383	1	0	10
FI	8 515	7 279	1 219	16	1	
SE	15 639	9 819	5 689	123	9	
UK	4 647	3 710	438	453	46	1
HR	693	322	364	3	1	3
MK						
TR	9 604	5 023	3 083	31	420	1 048
IS						
NO	12 940	1 346	11 516	77		
CH	5 052	1 827	3 031	1	30	163

## Gross Inland Consumption – EU-27 BY FUEL



Notes: (\*) Electrical Energy and Industrial Waste.

## Import Dependency

2007 (in %)

	ALL FUELS	Solid Fuels	Oil	Gas
EU-27	53.1	41.2	82.6	60.3
EU-25	53.6	41.4	82.9	61.0
BE	77.2	95.8	97.4	99.8
BG	51.9	39.4	100.8	91.5
CZ	25.1	-14.8	96.2	93.7
DK	-25.4	100.4	-67.9	-99.7
DE	58.9	37.2	94.3	80.6
EE	29.7	0.9	99.0	100.0
IE	88.3	65.1	97.0	91.4
EL	67.3	3.3	100.9	99.6
ES	79.5	66.6	99.7	98.9
FR	50.4	92.5	98.7	96.5
IT	85.3	99.2	92.5	87.0
CY	95.9	68.0	98.6	
LV	61.5	88.0	98.1	96.8
LT	62.3	87.2	93.3	102.9
LU	97.5	100.0	98.8	100.0
HU	61.4	44.0	82.7	79.9
MT	100.0		100.0	
NL	38.6	105.3	92.8	-64.3
AT	69.1	105.1	92.6	81.0
PL	25.5	-15.5	102.2	66.7
PT	82.0	100.5	98.9	98.7
RO	32.0	34.8	53.7	29.8
SI	52.5	21.0	98.9	99.7
SK	69.0	95.4	91.3	97.9
FI	53.8	62.8	97.8	100.0
SE	36.1	93.8	96.7	100.0
UK	20.1	69.5	0.9	20.3
HR	56.9	101.8	81.9	9.2
MK				
TR	74.4	49.8	96.4	97.8
IS				
NO	-664.9	-206.3	-1 056.7	-1 520.7
CH	52.5	120.8	97.4	100.0

**Notes:** A simplified formula, not taking bunkers into account, is used occasionally. This variant gives higher values for import dependency by overlooking maritime transport. Negative numbers indicate that the country is a net exporter. Values over 100 % are possible due to changes in stocks.  
**Definition:** Import Dependency = Net Imports / (Bunkers+Gross Inland Consumption).



## Crude Oil and Gas Imports

### Crude Oil Imports into the EU-27 (in Mio tonnes)

ORIGIN	2000	2001	2002	2003	2004	2005	2006	2007	SHARE 2007 (%)
Russia	112.4	136.8	154.7	170.8	188.9	188.0	189.6	185.3	34.0
Norway	115.9	108.1	103.1	106.4	108.6	97.5	89.1	84.3	15.5
Libya	45.5	43.8	39.2	45.9	50.0	50.6	53.2	55.5	10.2
Saudi Arabia	65.1	57.5	53.1	61.5	64.5	60.7	51.1	39.5	7.2
Other, Middle East	54.7	48.3	43.2	27.8	28.5	30.0	32.5	34.4	6.3
Iran	35.5	31.4	25.9	34.7	35.9	35.4	36.4	34.1	6.2
Kazakhstan	9.9	9.1	13.4	15.9	22.2	26.4	26.8	18.3	3.4
Nigeria	22.4	25.7	18.4	23.2	14.9	18.6	20.2	15.5	2.8
Other Origin	58.3	62.3	64.2	56.6	56.6	66.2	66.0	78.1	14.3
<b>Total Imports</b>	<b>519.8</b>	<b>523.0</b>	<b>515.3</b>	<b>542.9</b>	<b>570.1</b>	<b>573.4</b>	<b>564.7</b>	<b>545.0</b>	<b>100</b>
<b>in Million barrels</b>	<b>3 794</b>	<b>3 818</b>	<b>3 761</b>	<b>3 963</b>	<b>4 162</b>	<b>4 186</b>	<b>4 122</b>	<b>3 979</b>	

### Gas Imports into the EU-27 (in Tj, terajoules)

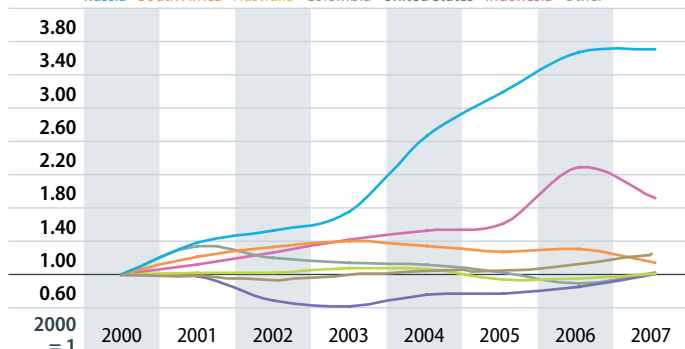
ORIGIN	2000	2001	2002	2003	2004	2005	2006	2007	SHARE 2007 (%)
Russia	4 539 709	4 421 515	4 554 744	4 895 252	4 951 044	4 952 879	4 937 711	4 685 365	40.8
Norway	1 985 231	2 136 379	2 601 569	2 699 473	2 801 723	2 671 779	2 844 237	3 061 751	26.7
Algeria	2 203 075	1 957 181	2 132 477	2 158 803	2 042 137	2 256 826	2 132 236	1 943 976	16.9
Nigeria	172 020	216 120	217 882	335 929	410 260	436 319	563 905	588 317	5.1
Libya	33 442	33 216	25 536	30 390	47 809	209 499	321 150	383 615	3.3
Qatar	12 443	27 463	87 952	80 414	160 170	195 713	232 721	275 496	2.4
Egypt						202 419	327 394	221 305	1.9
Trinidad and Tobago	36 334	24 498	19 120	1 365		29 673	163 233	104 917	0.9
Other Origin	112 810	199 256	125 425	100 023	313 245	409 387	227 147	213 995	1.9
<b>Total Imports</b>	<b>9 095 064</b>	<b>9 015 628</b>	<b>9 764 705</b>	<b>10 301 649</b>	<b>10 726 388</b>	<b>11 364 494</b>	<b>11 749 734</b>	<b>11 478 737</b>	<b>100</b>
<b>in Mio Cubic meters</b>	<b>240 610</b>	<b>238 509</b>	<b>258 326</b>	<b>272 530</b>	<b>283 767</b>	<b>300 648</b>	<b>310 840</b>	<b>303 670</b>	

**Notes:** Gross calorific value of 1 million cubic meter of Natural Gas can vary between 37.5 and 42.5 terajoule.

## Hard Coal Imports INTO THE EU-27 (in kilotonnes by origin)

	TOTAL EU-27	Russia	South Africa	Australia	Colombia	United States	Indonesia	Other
1990	110 828	3 945	24 538	17 778	9 065	47 013	256	8 233
1991	126 465	4 057	25 862	20 743	11 642	53 855	678	9 628
1992	136 076	11 122	28 256	22 201	12 087	49 262	2 384	10 764
1993	112 220	9 476	26 711	19 949	11 717	34 567	1 937	7 863
1994	113 295	9 257	27 796	21 427	11 437	29 936	3 554	9 888
1995	124 472	8 906	29 093	19 544	11 478	41 487	3 402	10 562
1996	123 390	6 928	32 716	16 440	18 271	35 881	3 844	9 310
1997	134 467	7 738	34 038	19 355	19 870	36 115	5 466	11 885
1998	132 892	7 768	35 359	22 256	18 952	29 503	7 151	11 903
1999	131 414	10 252	35 264	25 459	19 079	20 689	7 739	12 932
2000	151 575	14 976	40 177	28 600	23 132	20 447	9 097	15 146
2001	173 041	20 875	49 273	29 450	22 633	20 119	10 254	20 437
2002	171 629	23 033	53 961	29 337	21 398	14 082	11 540	18 278
2003	180 360	26 545	56 932	31 004	22 908	12 619	13 004	17 348
2004	196 062	40 382	54 190	30 838	24 224	15 416	13 980	17 032
2005	197 043	48 304	51 698	27 013	24 147	15 673	14 704	15 504
2006	213 809	55 544	53 080	27 147	26 068	17 370	21 092	13 508
2007	214 358	56 117	46 121	29 069	29 018	20 833	17 594	15 606
2007 (%)	100	26.2	21.5	13.6	13.5	9.7	8.2	7.3

Russia · South Africa · Australia · Colombia · United States · Indonesia · Other



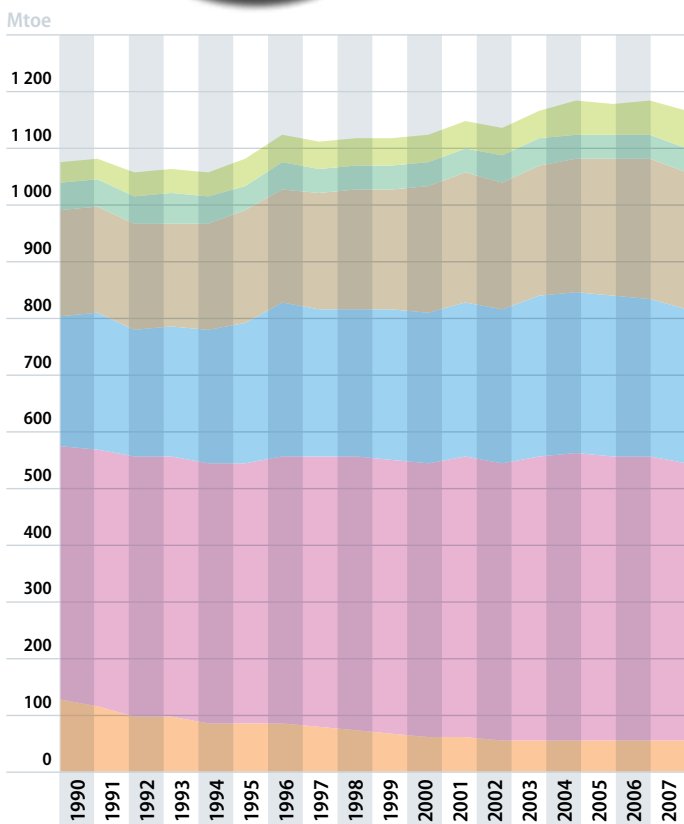
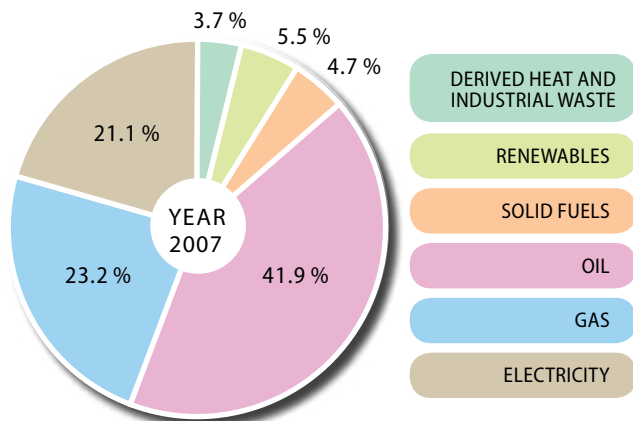
## Final Energy Consumption BY FUEL 2007 (in Mtoe)

	ALL FUELS	Solid Fuels	Oil	Gas	Electricity	Derived Heat & Industrial Waste	Renewables (*)
EU-27	1 157.7	53.8	484.6	268.8	244.5	42.9	63.1
EU-25	1 123.9	51.4	474.0	260.6	238.6	40.1	59.2
BE	34.9	1.9	14.5	10.1	7.1	0.5	0.8
BG	9.8	1.0	3.7	1.2	2.3	0.9	0.7
CZ	25.8	3.4	7.2	6.4	4.9	2.2	1.6
DK	15.7	0.3	7.4	1.7	2.9	2.3	1.2
DE	210.3	9.6	78.4	59.4	45.6	6.3	10.9
EE	3.0	0.2	1.0	0.2	0.6	0.5	0.5
IE	13.2	0.6	8.6	1.6	2.2		0.2
EL	22.0	0.5	14.7	0.7	4.7	0.0	1.3
ES	98.7	1.8	54.1	16.2	22.4		4.2
FR	154.0	5.0	70.0	31.1	36.6		11.3
IT	132.1	3.7	57.1	39.4	26.6	3.1	2.2
CY	1.9	0.0	1.4		0.4	0.0	0.1
LV	4.4	0.1	1.6	0.5	0.6	0.6	1.0
LT	5.0	0.2	1.9	0.6	0.8	0.9	0.6
LU	4.4	0.1	2.9	0.7	0.6	0.1	0.1
HU	16.9	0.6	5.2	6.3	2.9	1.2	0.8
MT	0.4		0.3		0.2		
NL	51.3	1.5	18.6	19.0	9.2	2.4	0.8
AT	26.5	1.4	10.9	4.4	4.9	1.8	3.1
PL	61.2	11.9	19.3	8.8	9.8	7.3	4.1
PT	18.8	0.2	9.9	1.4	4.2	0.3	2.7
RO	24.0	1.5	6.9	7.0	3.5	1.8	3.3
SI	4.9	0.1	2.4	0.6	1.1	0.2	0.4
SK	10.5	1.5	2.2	3.5	2.1	0.8	0.5
FI	26.6	0.9	8.1	1.3	7.4	4.4	4.5
SE	33.5	1.3	10.5	0.8	11.4	4.1	5.3
UK	147.9	4.6	65.7	46.0	29.4	1.1	1.0
HR	6.5	0.2	3.2	1.2	1.3	0.2	0.3
MK							
TR	72.8	14.5	23.5	14.4	13.1	1.0	6.3
IS							
NO	18.8	0.7	7.0	0.3	9.5	0.2	1.1
CH	21.1	0.2	11.5	2.5	4.9	0.6	1.4

Notes: (\*) Excluding consumption of Renewables for Electricity and Derived Heat.

Source: Eurostat, May 2009

## Final Energy Consumption – EU-27 BY FUEL (in Mtoe)

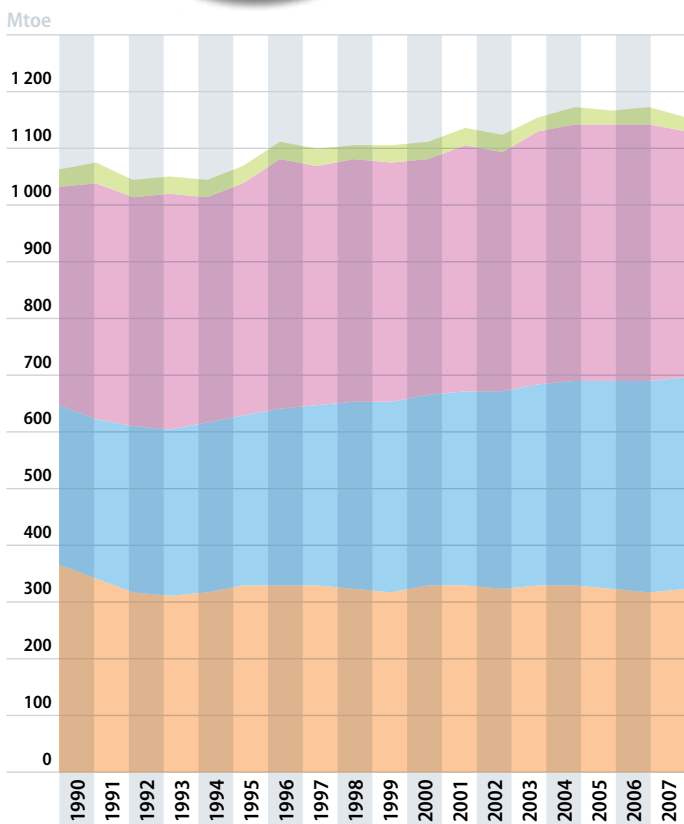
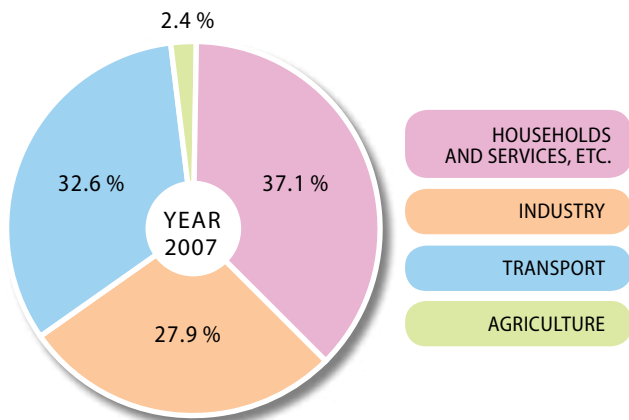


Notes: Renewables not including Electricity.

## Final Energy Consumption BY SECTOR 2007 (Mtoe)

	ALL SECTORS	INDUSTRY	TRANSPORT	Road	Railways	Air	Inland navigation	HOUSEHOLDS, SERVICES, ETC.	Households	Agriculture	Services, etc.
EU-27	1157.7	322.9	377.2	309.1	9.4	53.4	5.4	457.6	284.6	27.8	145.2
Share	100.0%	27.9%	32.6%	81.9%	2.5%	14.2%	1.4%	39.5%	62.2%	6.1%	31.7%
EU-25	1123.9	309.9	369.9	302.6	9.0	53.0	5.3	444.1	275.0	27.3	141.8
Share	100.0%	27.6%	32.9%	81.8%	2.4%	14.3%	1.4%	39.5%	61.9%	6.1%	31.9%
BE	34.9	12.3	9.6	8.2	0.2	1.0	0.2	12.9	8.1	0.7	4.1
BG	9.8	3.9	2.7	2.4	0.1	0.2		3.2	2.1	0.3	0.9
CZ	25.8	9.5	6.6	6.0	0.3	0.4	0.0	9.6	5.9	0.5	3.2
DK	15.7	2.9	5.6	4.4	0.1	1.0	0.1	7.2	4.5	0.8	1.9
DE	210.3	57.4	62.4	51.3	1.8	9.1	0.2	90.5	60.3	2.6	27.6
EE	3.0	0.7	0.9	0.8	0.0	0.1	0.0	1.5	1.0	0.1	0.4
IE	13.2	2.6	5.7	4.6	0.0	1.0	0.0	4.9	2.9	0.3	1.7
EL	22.0	4.6	8.8	6.8	0.1	1.3	0.7	8.6	5.3	1.1	2.1
ES	98.7	26.7	42.1	33.7	1.1	5.9	1.5	29.9	15.9	3.0	11.0
FR	154.0	33.7	51.5	42.7	1.3	7.3	0.3	68.8	41.5	3.0	24.4
IT	132.1	41.5	44.6	39.1	1.0	4.2	0.2	46.0	27.9	3.3	14.8
CY	1.9	0.3	1.0	0.7		0.3		0.6	0.3	0.0	0.3
LV	4.4	0.7	1.3	1.2	0.1	0.1	0.0	2.3	1.5	0.2	0.7
LT	5.0	1.1	1.8	1.6	0.1	0.1	0.0	2.1	1.3	0.1	0.6
LU	4.4	1.0	2.6	2.2	0.0	0.4		0.8	0.7	0.0	0.1
HU	16.9	3.4	4.7	4.3	0.2	0.2	0.0	8.9	5.6	0.5	2.9
MT	0.4	0.0	0.2	0.2		0.1		0.1	0.1	0.0	0.1
NL	51.3	14.6	15.8	11.6	0.2	3.7	0.2	21.0	9.2	4.1	7.6
AT	26.5	8.5	8.8	7.8	0.3	0.7	0.0	9.2	6.1	0.6	2.5
PL	61.2	18.0	14.8	13.9	0.5	0.4	0.0	28.5	18.2	3.5	6.8
PT	18.8	5.9	7.2	6.1	0.1	1.0	0.0	5.7	3.2	0.3	2.2
RO	24.0	9.1	4.7	4.1	0.3	0.2	0.1	10.2	7.5	0.3	2.5
SI	4.9	1.6	1.8	1.7	0.0	0.0		1.5	1.0	0.1	0.4
SK	10.5	4.4	2.0	1.9	0.1	0.0		4.1	2.1	0.1	1.9
FI	26.6	12.9	5.1	4.1	0.1	0.7	0.2	8.5	5.0	0.8	2.7
SE	33.5	12.8	8.8	7.5	0.3	0.9	0.1	11.8	6.7	0.8	4.3
UK	147.9	32.7	56.2	40.4	1.4	13.0	1.5	59.0	40.6	0.8	17.6
HR	6.5	1.7	2.2	2.0	0.1	0.1	0.0	2.6	1.7	0.2	0.7
MK											
TR	72.8	24.9	16.9	14.1	0.2	2.2	0.5	31.0	20.7	3.9	6.4
IS											
NO	18.8	6.3	5.4	3.7	0.1	0.7	0.9	7.1	3.9	0.7	2.5
CH	21.1	4.1	7.3	5.6	0.3	1.4	0.0	9.8	5.6	0.1	4.0

## Final Energy Consumption – EU-27 BY SECTOR (Mtoe)



Notes: Renewables not including Electricity.

## Share of RES to Gross Inland Consumption (\*)

	2000	2001	2002	2003	2004	2005	2006	2007
<b>EU-27</b>	5.8%	5.8%	5.7%	6.0%	6.4%	6.7%	7.1%	7.8%
<b>BE</b>	1.3%	1.5%	1.5%	1.9%	2.0%	2.4%	2.9%	3.1%
<b>BG</b>	4.2%	3.6%	4.4%	4.8%	5.2%	5.6%	5.6%	4.7%
<b>CZ</b>	1.5%	1.7%	2.0%	3.3%	3.9%	4.0%	4.3%	4.7%
<b>DK</b>	10.9%	11.4%	12.4%	13.5%	15.1%	16.4%	15.6%	17.3%
<b>DE</b>	2.8%	3.0%	3.4%	3.9%	4.5%	5.1%	6.0%	8.3%
<b>EE</b>	10.3%	10.6%	11.0%	10.6%	10.6%	10.6%	9.8%	9.9%
<b>IE</b>	1.6%	1.6%	1.7%	1.6%	1.8%	2.4%	2.7%	2.9%
<b>EL</b>	5.0%	4.5%	4.7%	5.1%	5.1%	5.2%	5.7%	5.0%
<b>ES</b>	5.7%	6.5%	5.4%	6.9%	6.3%	6.0%	6.5%	7.0%
<b>FR</b>	7.0%	6.9%	6.3%	6.5%	6.5%	6.3%	6.6%	7.0%
<b>IT</b>	5.2%	5.5%	5.3%	5.8%	6.8%	6.5%	7.0%	6.9%
<b>CY</b>	1.9%	1.8%	1.8%	1.8%	2.0%	1.9%	1.9%	2.4%
<b>LV</b>	31.8%	31.7%	31.3%	30.9%	33.1%	33.0%	31.0%	29.7%
<b>LT</b>	9.2%	8.4%	8.1%	7.9%	8.0%	8.8%	9.3%	8.9%
<b>LU</b>	1.6%	1.3%	1.4%	1.4%	1.6%	1.6%	1.7%	2.5%
<b>HU</b>	2.1%	1.9%	3.4%	3.4%	3.6%	4.4%	4.8%	5.3%
<b>MT</b>								
<b>NL</b>	2.4%	2.4%	2.6%	2.6%	2.8%	3.4%	3.6%	3.6%
<b>AT</b>	22.8%	22.2%	22.1%	19.8%	20.8%	21.1%	22.3%	23.8%
<b>PL</b>	4.2%	4.5%	4.6%	4.5%	4.7%	4.8%	5.1%	5.1%
<b>PT</b>	15.3%	16.1%	13.9%	16.9%	14.7%	13.2%	17.1%	17.6%
<b>RO</b>	10.9%	9.3%	9.7%	9.9%	11.5%	12.6%	11.7%	11.9%
<b>SI</b>	12.3%	11.5%	10.5%	10.3%	11.5%	10.6%	10.5%	10.0%
<b>SK</b>	2.8%	4.0%	3.7%	3.3%	3.9%	4.3%	4.6%	5.5%
<b>FI</b>	23.8%	22.4%	21.8%	20.9%	23.0%	23.1%	22.7%	22.6%
<b>SE</b>	31.4%	28.3%	26.3%	25.3%	25.7%	29.6%	29.4%	30.9%
<b>UK</b>	1.1%	1.1%	1.2%	1.3%	1.5%	1.7%	1.9%	2.1%

Notes: (\*) RES Gross Inland Consumption / Gross Inland Consumption.

## 2.3

## 2.3.1

## Taxation of Energy Products

	EXCISES IN € PER 1 000 LITRES			VAT RATES		
	Euro Super 95	Automotive gas oil	Heating gas oil (**)	Standard rate	Electricity (**)	Natural gas
BE	614	368	18	21%	21%	21%
BG	350	307	307	20%	20%	20%
CZ	483	406	406	19%	19%	19%
DK	557	380	290	25%	25%	25%
DE	670	486	76	19%	19%	19%
EE	398	370	67	20%	20%	20%
IE	509	409	47	21.5%	13.5%	13.5%
EL	410	302	302	19%	9%	9%
ES	425	331	85	16%	16%	16%
FR	607	428	57	19.6%	19.6%	19.6%
IT	564	423	403	20%	20%	10%
CY	299	245	125	15%	15%	15%
LV	379	330	21	21%	21%	21%
LT	443	330	21	21%	19%	19%
LU	462	305	0	15%	6%	6%
HU	451	375	375	25%	25%	25%
MT	459	352	97	18%	18%	18%
NL	701	413	78	19%	19%	19%
AT	442	347	98	20%	20%	20%
PL	488	339	69	22%	22%	22%
PT	583	364	176	20%	5%	5%
RO	336	284	284	19%	19%	19%
SI	462	433	95	20%	20%	20%
SK	515	481	226	19%	19%	19%
FI	627	391	87	22%	22%	22%
SE	393	446	391	25%	25%	25%
UK	684	684	132	15%	5%	5%
<b>EU min (*)</b>	<b>359</b>	<b>302</b>	<b>21</b>	<b>15%</b>	<b>15%</b>	<b>15%</b>

**Notes:** (\*) Council Directives 2003/96/EC for excises, 2001/41/EC for VAT.

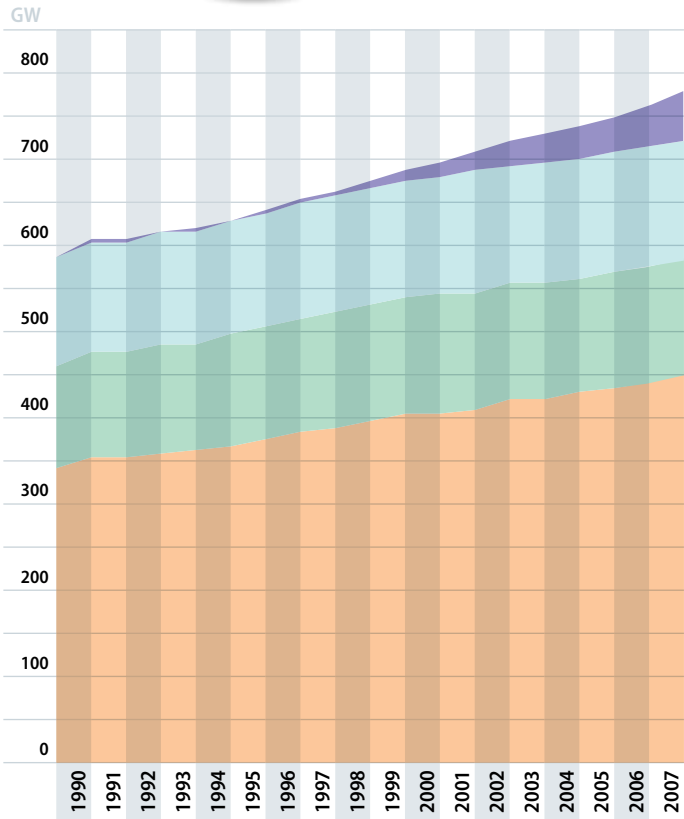
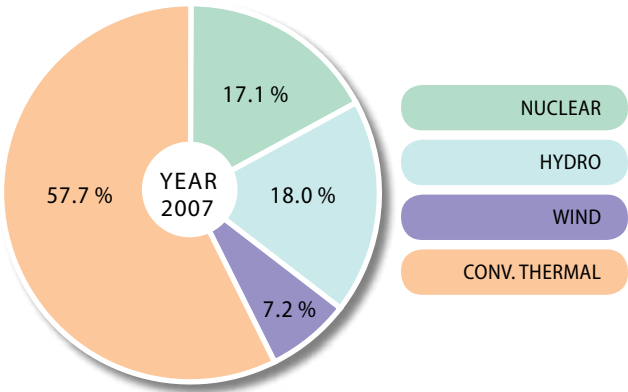
(\*\*) Non-business use.



## Electricity Production Capacity 2007 (in MW)

	TOTAL	Conventional Thermal	Nuclear	Wind	Geothermal	HYDRO	of which: pumping
EU-27	779 192	449 129	132 829	56 270	698	140 266	38 306
Share	100.0%	57.6%	17.0%	7.2%	0.1%	18.0%	27.3%
EU-25	749 289	431 769	129 526	56 237	698	131 059	37 442
Share	100.0%	57.6%	17.3%	7.5%	0.1%	17.5%	28.6%
BE	16 360	8 842	5 825	276		1 417	1 307
BG	9 700	4 902	1 892	30		2 876	864
CZ	17 558	11 508	3 760	114		2 176	1 147
DK	12 608	9 475		3 124		9	
DE	128 780	77 738	20 208	22 247		8 587	5 223
EE	2 760	2 697		58		5	
IE	7 287	5 905		855		527	292
EL	13 677	9 681		846		3 150	699
ES	88 246	47 412	7 365	15 097		18 372	5 347
FR	116 284	25 672	63 260	2 220		25 132	4 303
IT	93 198	68 708		2 702	671	21 117	7 544
CY	1 139	1 139					
LV	2 131	569		26		1 536	
LT	4 588	2 483	1 183	47		875	760
LU	1 638	463		35		1 140	1 100
HU	8 542	6 607	1 825	61		49	
MT	571	571					
NL	23 677	21 382	510	1 748		37	
AT	19 429	6 441		977	2	12 009	3 580
PL	32 497	29 863		306		2 328	1 406
PT	14 970	7 692		2 201	25	5 052	1 029
RO	20 203	12 458	1 411	3		6 331	
SI	3 035	1 351	666			1 018	
SK	7 324	2 609	2 200			2 515	916
FI	16 698	10 815	2 671	110		3 102	
SE	34 294	7 873	9 074	710		16 637	45
UK	81 998	64 273	10 979	2 477		4 269	2 744
HR	3 906	1 814		17		2 075	293
MK							
TR	40 835	27 271		146	23	13 395	
IS							
NO							
CH	19 184	851	3 220	12		15 101	1 636

# Electricity Production Capacity – EU-27 in GW



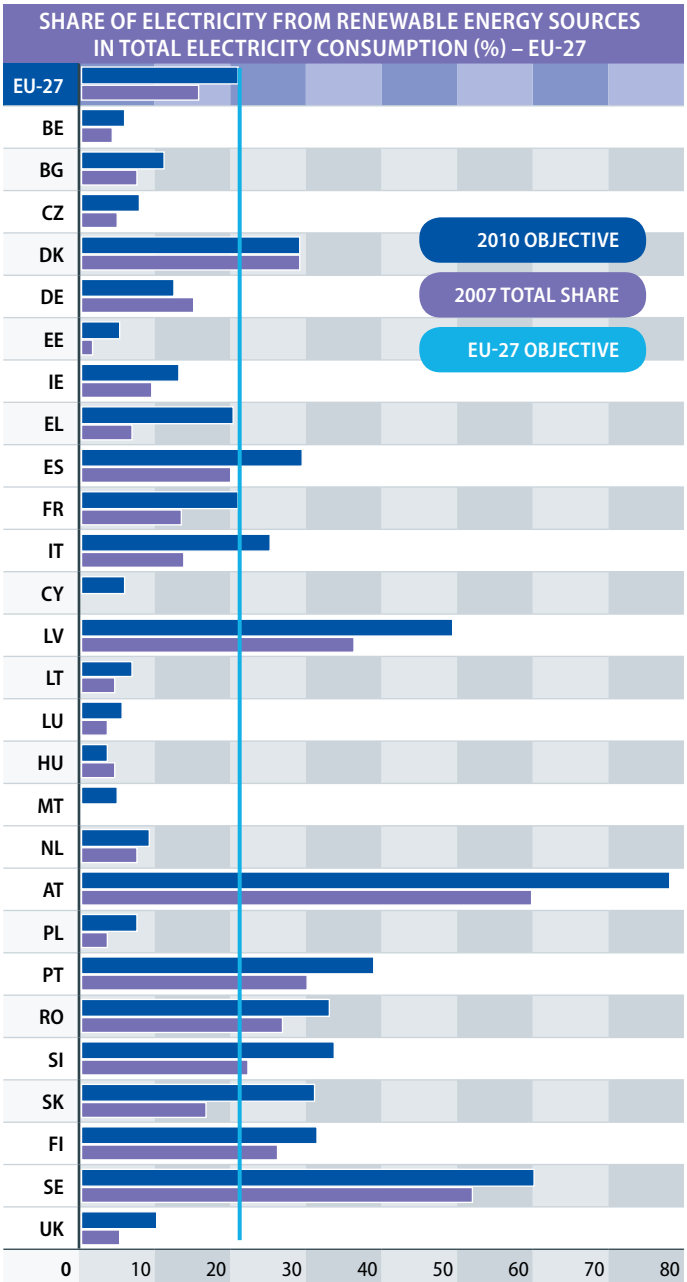
## Electricity from Renewable Sources

### GROSS ELECTRICITY CONSUMPTION – 2007 (in %)

	TOTAL SHARE	Hydro (*)	Wind	Biomass	Solar	Geothermal	2010 OBJECTIVE
EU-27	15.6	9.2	3.1	3.0	0.112	0.2	21.0
EU-25	15.5	8.9	3.2	3.1	0.115	0.2	21.0
BE	4.2	0.4	0.5	3.3	0.006		6.0
BG	7.5	7.4	0.1				11.0
CZ	4.7	2.9	0.2	1.7	0.003		8.0
DK	29.0	0.1	18.8	10.1	0.005		29.0
DE	15.1	3.4	6.4	4.8	0.496		12.5
EE	1.5	0.2	0.9	0.4			5.1
IE	9.3	2.3	6.6	0.4			13.2
EL	6.8	3.8	2.7	0.3	0.001		20.1
ES	20.0	9.3	9.2	1.2	0.171		29.4
FR	13.3	11.4	0.8	1.1	0.003		21.0
IT	13.7	9.1	1.1	1.9	0.011	1.5	25.0
CY	0.0				0.041		6.0
LV	36.4	35.2	0.7	0.6			49.3
LT	4.6	3.3	0.8	0.4			7.0
LU	3.7	1.3	0.8	1.3	0.264		5.7
HU	4.6	0.5	0.3	3.9			3.6
MT							5.0
NL	7.6	0.1	2.8	4.6	0.030		9.0
AT	59.8	51.4	2.9	5.5	0.024	0.0	78.1
PL	3.5	1.5	0.3	1.7			7.5
PT	30.1	18.4	7.4	3.9	0.044	0.4	39.0
RO	26.9	26.8	0.0	0.1			33.0
SI	22.1	21.4		0.7			33.6
SK	16.6	14.9	0.0	1.7			31.0
FI	26.0	15.1	0.2	10.7	0.004		31.5
SE	52.1	44.1	1.0	7.0			60.0
UK	5.1	1.3	1.3	2.5	0.003		10.0
HR	23.0	22.8	0.2	0.0			
MK							
TR	19.2	18.9	0.2	0.1		0.1	
IS							
NO	106.1	105.1	0.7	0.3			
CH	56.7	53.5	0.0	3.2	0.041		

**Notes:** Total Share = a / (b+c)  
a = Gross Electricity Generation from RES  
b = Total Gross Electricity Generation  
c = Net Imports Electricity  
(\*) Does not include pumped storage.

## Electricity from Renewable Sources



## Gross Electricity Generation 2007 (in TWh)

	TOTAL	CONVENTIONAL THERMAL	Coal	Oil	Gas	Other Power Stations	Nuclear	Pumped Storage	Renewables (*)
EU-27	3 362	1 867	988	112	760	6	935	34	526
Share	100.0%		29.4%	3.3%	22.6%	0.2%	27.8%	1.0%	15.6%
EU-25	3 257	1 804	941	111	746	6	913	33	507
Share	100.0%		28.9%	3.4%	22.9%	0.2%	28.0%	1.0%	15.6%
BE	88.8	35.3	6.5	0.8	27.2	0.8	48.2	1.3	4.0
BG	43.3	25.4	22.4	0.6	2.4	0.0	14.6	0.4	2.9
CZ	88.2	58.2	53.8	0.1	4.3		26.2	0.4	3.4
DK	39.2	28.1	19.9	1.1	6.9	0.2			11.1
DE	637.1	395.2	299.8	11.3	84.1	0.1	140.5	7.6	93.8
EE	12.2	12.0	11.4	0.0	0.6				0.1
IE	28.2	25.1	7.7	2.0	15.5	0.0		0.3	2.8
EL	63.5	58.1	34.7	9.6	13.8	0.0		0.8	4.6
ES	303.3	185.7	73.1	18.5	93.8	0.3	55.1	3.0	59.4
FR	569.8	56.3	24.4	6.2	25.7		439.7	5.5	68.3
IT	313.9	259.0	44.1	35.4	178.3	1.2		5.7	49.2
CY	4.9	4.9		4.9					0.0
LV	4.8	1.9	0.0	0.0	1.9				2.8
LT	14.0	3.1	0.0	0.4	2.4	0.2	9.8	0.5	0.6
LU	4.0	2.9			2.9			0.8	0.3
HU	40.0	23.3	7.4	0.5	15.3	0.0	14.7		2.0
MT	2.3	2.3		2.3					
NL	103.2	89.9	24.9	2.2	62.6	0.2	4.2		9.1
AT	63.4	19.1	6.3	1.3	11.2	0.3		2.5	41.9
PL	159.3	153.3	145.6	2.3	5.1	0.3		0.6	5.4
PT	47.3	30.4	12.4	4.9	13.1	0.0		0.4	16.5
RO	61.7	38.0	25.1	1.1	11.8		7.7		16.0
SI	15.0	6.0	5.5	0.0	0.5	0.0	5.7		3.4
SK	28.1	7.6	4.8	0.7	2.0	0.1	15.3	0.2	5.0
FI	81.2	33.4	21.4	0.5	11.1	0.4	23.4		24.4
SE	148.8	3.7	0.7	1.1	1.5	0.5	67.0	0.0	78.2
UK	396.1	308.9	136.7	4.7	166.1	1.4	63.0	3.9	20.4
HR	12.2	7.8	2.4	2.3	3.1	0.0		0.2	4.3
MK									
TR	191.6	155.1	52.3	6.5	96.1	0.1			36.5
IS									
NO	137.5	1.1	0.1	0.0	0.8	0.2		1.1	135.3
CH	68.0	1.2		0.2	0.8	0.2	27.9	1.5	37.4

**Notes:** (\*) Not including generation from hydro pumped storage, but including electricity generation to pump water to storage. Municipal Solid Waste, Wood waste, Biogas included.

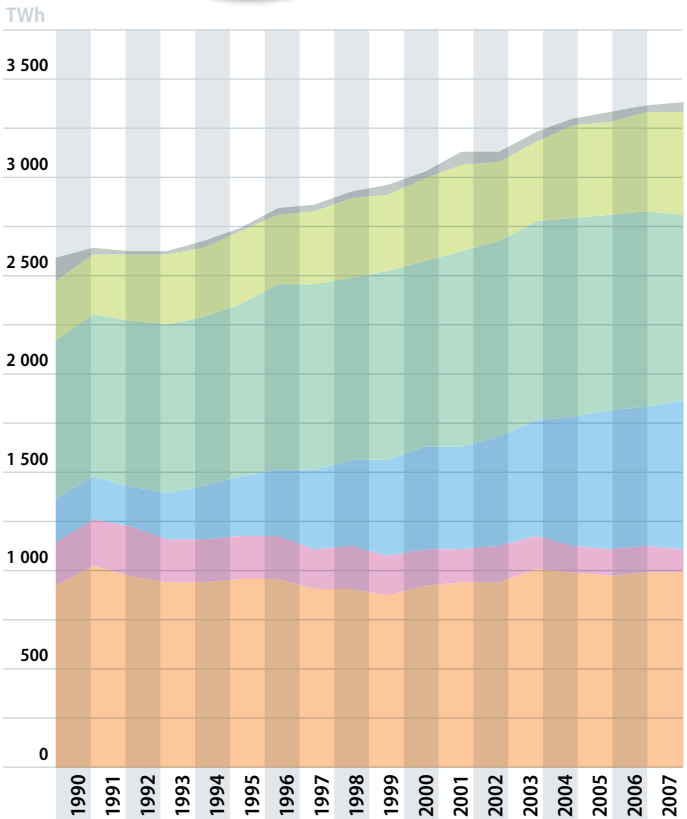
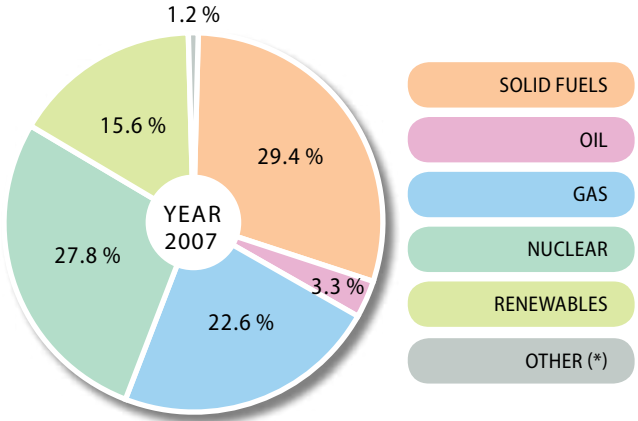
## Gross Electricity Generation FROM RENEWABLES, 2007 (in GWh)

	RENEWABLES	Hydro (*)	Wind	Biomass	Solar (**)	Geothermal
EU-27	525 578	309 972	104 259	101 808	3 766	5 773
Share	100.0%	59.0%	19.8%	19.4%	0.7%	1.1%
EU-25	506 652	291 132	104 209	101 772	3 766	5 773
Share	100.0%	57.5%	20.6%	20.1%	0.7%	1.1%
BE	3 993	389	491	3 107	6	
BG	2 921	2 874	47			
CZ	3 419	2 089	125	1 203	2	
DK	11 063	28	7 173	3 860	2	
DE	93 770	20 904	39 713	30 078	3 075	
EE	148	21	91	36		
IE	2 757	667	1 958	132		
EL	4 594	2 591	1 818	184	1	
ES	59 416	27 763	27 509	3 635	509	
FR	68 289	58 706	4 052	5 514	17	
IT	49 228	32 816	4 034	6 770	39	5 569
CY	2				2	
LV	2 829	2 733	53	43		
LT	581	421	106	54		
LU	295	107	64	103	21	
HU	2 023	210	110	1 703		
MT						
NL	9 146	107	3 438	5 565	36	
AT	41 865	35 993	2 015	3 837	17	3
PL	5 430	2 352	522	2 556		
PT	16 501	10 092	4 037	2 147	24	201
RO	16 005	15 966	3	36		
SI	3 377	3 266		111		
SK	4 956	4 451	8	497		
FI	24 429	14 177	188	10 060	4	
SE	78 168	66 160	1 430	10 578		
UK	20 373	5 089	5 274	9 999	11	
HR	4 278	4 236	35	7		
MK						
TR	36 457	35 851	355	95		156
IS						
NO	135 266	133 934	900	432		
CH	37 372	35 250	16	2 079	27	

**Notes:** (\*) Not including generation from hydro pumped storage, but including electricity generation to pump water to storage.

(\*\*) Photovoltaic Thermal.

## Gross Electricity Generation – EU-27 (in TWh)



Notes: (\*) Pumped Storage Plants and Other Power Stations.

## 2.5

## 2.5.1

## Automotive Diesel Oil Prices (ALL TAXES INCLUDED)

### CURRENT PRICES IN EURO PER LITRE

	2000	2001	2002	2003	2004	2005	2006	2007	2008
<b>EU-27</b>		0.804	0.754	0.794	0.766	0.926	1.064	1.030	1.190
<b>EU-25</b>		0.816	0.768	0.810	0.782	0.948	1.087	1.052	1.217
BE	0.730	0.735	0.721	0.737	0.731	0.854	1.029	0.927	1.095
BG									
CZ						0.815	0.970	0.980	1.212
DK	0.822	0.821	0.796	0.858	0.823	0.909	1.075	0.987	1.174
DE	0.759	0.820	0.813	0.904	0.876	0.970	1.094	1.047	1.237
EE						0.697	0.860	0.811	1.111
IE	0.771	0.940	0.742	0.787	0.796	0.949	1.078	1.032	1.199
EL	0.619	0.641	0.597	0.657	0.642	0.774	0.919	0.916	1.116
ES	0.621	0.725	0.673	0.723	0.701	0.808	0.930	0.891	1.052
FR	0.805	0.805	0.745	0.818	0.791	0.914	1.054	1.011	1.187
IT	0.836	0.902	0.836	0.895	0.876	1.004	1.157	1.098	1.261
CY						0.722	0.869	0.831	1.007
LV						0.702	0.855	0.865	1.040
LT						0.715	0.878	0.813	1.039
LU	0.632	0.645	0.620	0.652	0.622	0.724	0.881	0.847	1.016
HU						0.937	1.020	0.970	1.165
MT						0.831	0.943	0.906	1.020
NL	0.782	0.825	0.770	0.803	0.826	0.909	1.043	1.007	1.173
AT	0.733	0.771	0.695	0.748	0.727	0.836	0.973	0.935	1.156
PL						0.830	0.965	0.917	1.122
PT	0.549	0.648	0.648	0.700	0.700	0.834	0.981	1.019	1.197
RO									
SI						0.816	0.914	0.924	1.055
SK						0.874	1.039	1.034	1.216
FI	0.768	0.870	0.783	0.818	0.776	0.876	0.997	0.960	1.161
SE	0.810	0.857	0.801	0.860	0.849	0.976	1.133	1.062	1.234
UK	1.258	1.286	1.211	1.163	1.126	1.201	1.358	1.380	1.460
HR									
MK									
TR									
IS									
NO	1.193		1.030	1.143					
CH									

**Notes:** Methodology for the calculation: see part 2.1.4.



## Unleaded Petrol (95 RON) Prices (ALL TAXES INCLUDED)

CURRENT PRICES IN EURO PER LITRE									
	2000	2001	2002	2003	2004	2005	2006	2007	2008
<b>EU-27</b>						1.010	1.167	1.126	1.272
<b>EU-25</b>						1.034	1.192	1.150	1.300
BE	0.957	1.004	0.946	0.983	0.992	1.069	1.305	1.201	1.415
BG									
CZ						0.809	0.980	0.977	1.196
DK	1.001	1.065	1.040	1.107	1.071	1.098	1.267	1.173	1.335
DE	0.956	0.972	0.989	1.110	1.077	1.111	1.262	1.205	1.350
EE						0.674	0.842	0.782	1.012
IE	0.815	0.955	0.802	0.869	0.870	0.941	1.076	1.034	1.195
EL	0.672	0.725	0.692	0.753	0.738	0.767	0.941	0.912	1.100
ES	0.749	0.788	0.768	0.832	0.805	0.844	1.001	0.950	1.098
FR	1.039	1.003	0.959	1.046	0.997	1.038	1.220	1.169	1.338
IT	0.999	1.038	0.996	1.070	1.048	1.088	1.260	1.208	1.356
CY						0.757	0.894	0.861	1.024
LV						0.717	0.855	0.844	1.030
LT						0.708	0.890	0.796	1.020
LU	0.741	0.781	0.736	0.788	0.826	0.902	1.066	1.009	1.154
HU						0.958	1.053	0.999	1.146
MT						0.868	1.085	0.992	1.090
NL	1.057	1.140	1.102	1.159	1.188	1.248	1.407	1.342	1.494
AT	0.868	0.871	0.821	0.899	0.858	0.910	1.052	0.989	1.183
PL						0.875	0.970	0.943	1.182
PT	0.803	0.913	0.858	0.950	0.950	0.996	1.196	1.239	1.393
RO									
SI						0.820	0.919	0.974	1.059
SK						0.857	1.043	1.017	1.160
FI	1.062	1.086	1.004	1.084	1.052	1.143	1.232	1.169	1.355
SE	1.004	1.036	0.954	1.022	1.019	1.103	1.207	1.139	1.266
UK	1.219	1.212	1.134	1.141	1.101	1.130	1.298	1.313	1.395
HR									
MK									
TR									
IS									
NO	1.205		1.105	1.249					
CH									

**Notes:** Methodology for the calculation: see part 2.1.4.

## Electricity half-yearly Prices for Industry (EXCISE TAXES INCLUDED)

BAND IC: 500 MWh < CONSUMPTION < 2 000 MWh  
CURRENT PRICES IN EURO PER 100 KWh

	2007:01	2007:02	2008:01	2008:02	2009:01
EU-27		9.45	9.78	10.29	
EU-25					
BE		9.49	10.69	10.96	
BG		5.68	5.62	6.49	6.49
CZ		9.46	11.07	11.21	10.69
DK		8.95	9.13	10.19	8.59
DE	9.57	10.13	10.53	10.78	11.32
EE		5.30	5.67	6.01	6.43
IE		12.35	13.02	14.19	13.14
EL		7.89	8.61	9.20	
ES		9.58	9.61	10.68	11.54
FR		5.80	6.41	6.15	
IT			13.99	14.81	
CY		13.91	14.27	18.07	11.86
LV		5.94	6.60	7.96	8.96
LT		7.44	8.29	8.38	9.24
LU	10.33	10.31	10.31	10.34	
HU		11.28	11.42	12.18	
MT		12.21	12.21	16.19	
NL	9.40	9.70	9.90	10.20	11.30
AT		9.40	10.64	10.72	
PL		9.05	8.81	9.10	9.02
PT		8.68	8.95	9.01	8.90
RO		9.08	8.86	9.50	8.11
SI		9.10	9.32	9.85	11.18
SK		10.53	11.51	12.90	14.23
FI	5.77	5.86	6.40	6.74	6.89
SE	6.22	6.56	6.93	7.73	6.67
UK	11.03	10.78	9.77	10.88	11.15
HR	6.66	7.38	7.56	9.47	8.67
MK					
TR					
IS					
NO		7.56	7.84	8.71	
CH					

Notes: Methodology for the calculation: see part 2.1.4.

## Residual Fuel Oil Prices for Industry (EXCISE TAXES INCLUDED)

CURRENT PRICES IN EURO PER TONNE									
	2000	2001	2002	2003	2004	2005	2006	2007	2008
<b>EU-27</b>						235.0	352.5	294.3	380.4
<b>EU-25</b>						243.3	365.2	304.9	396.3
BE	142.2	158.7	141.0	199.6	147.8	166.2	264.4	216.2	367.7
BG									
CZ						164.0	262.0	240.7	339.3
DK	194.7	224.9	229.9	258.2	480.7	530.5	652.8	575.0	677.0
DE	155.0	164.6	169.5	202.5	165.1	169.9	286.0	238.3	363.0
EE						113.3			
IE					255.8	259.2	404.2	348.1	290.6
EL	209.4	237.2	196.4	250.9	209.5	201.8	336.8	257.6	415.1
ES	194.3	244.0	210.6	253.0	200.4	213.4	349.9	286.0	400.0
FR	165.1	189.0	190.9	217.8	173.1	193.4	302.8	239.7	386.7
IT					218.0	245.9	361.7	275.8	411.2
CY									
LV									
LT						224.2			
LU	157.6	180.9	145.4	208.9	176.4	170.6			
HU						213.0	316.5	303.4	399.1
MT									
NL	200.1	220.1	202.0	237.0	237.0	223.0	338.0	300.5	443.0
AT	165.0	190.8	168.4	233.0	179.0	216.7	337.7	294.7	438.7
PL						168.9	263.3	308.5	396.2
PT	204.9	293.9	247.0	254.0	224.1	235.3	379.9	329.0	464.3
RO									
SI						253.1	362.7	326.0	451.5
SK						194.4	245.4	270.5	313.0
FI	207.5	222.2	277.4	318.7	261.0	307.9	433.9	361.2	511.5
SE	418.9	533.7	469.2	550.9	580.4	623.9	750.8	674.0	840.2
UK				243.9	202.5	227.8	400.2	342.0	
HR									
MK									
TR									
IS									
NO									
CH									

**Notes:** Methodology for the calculation: see part 2.1.4.

## Natural Gas half-yearly Prices for Industry (EXCISE TAXES INCLUDED)

BAND I3: 10 000 GJ < CONSUMPTION < 100 000 GJ  
CURRENT PRICES IN EURO PER GJ (GCV)

	2007:01	2007:02	2008:01	2008:02	2009:01
<b>EU-27</b>		8.48	9.46	10.97	
<b>EU-25</b>					
BE		7.83	9.15	10.79	9.04
BG		5.02	5.72	7.43	8.74
CZ		6.82	8.87	10.95	9.29
DK		7.34		16.90	15.43
DE		10.79	12.40	13.81	
EE		5.04	6.97	8.76	7.50
IE					
EL					
ES		7.07	7.64	9.03	
FR		8.51	9.23	10.85	
IT	8.74	8.36	9.34	11.32	
CY					
LV		7.70	7.92	11.01	10.87
LT		6.76	8.79	12.14	8.73
LU		9.40	11.30		
HU		8.57	9.69	11.71	
MT					
NL	9.61	9.10	9.61	10.64	10.64
AT					
PL		7.22	8.36	9.33	7.73
PT		8.20	8.69	9.21	9.81
RO		7.89	7.79	7.76	6.48
SI		8.84	10.12	12.66	12.13
SK		7.98	8.92	13.12	11.30
FI	6.32	6.80	7.90	9.30	8.50
SE	12.27	12.49	14.37	14.72	10.96
UK	8.70	7.17	7.73	8.69	8.35
HR	6.90	6.42	6.37	6.41	7.32
MK					
TR					
IS					
NO					
CH					

Notes: Methodology for the calculation: see part 2.1.4.

## Electricity half-yearly Prices for Households (ALL TAXES INCLUDED)

BAND DC: 2 500 KWh < CONSUMPTION < 5 000 KWh  
CURRENT PRICES IN EURO PER 100 KWh

	2007:01	2007:02	2008:01	2008:02	2009:01
<b>EU-27</b>		15.62	15.93	16.73	
<b>EU-25</b>					
BE		16.83	19.72	20.81	
BG		7.21	7.11	8.23	8.23
CZ		10.63	12.74	12.99	13.23
DK		24.01	26.35	27.85	26.98
DE	20.25	21.05	21.48	21.95	22.82
EE		7.86	8.14	8.50	9.22
IE		19.18	17.69	20.33	20.37
EL		9.84	10.47	10.99	
ES		14.00	13.66	15.57	15.77
FR		12.13	12.13	12.32	
IT			20.79	21.95	
CY		15.73	17.80	20.40	15.58
LV		7.29	8.42	10.03	10.52
LT		8.70	8.60	8.65	9.51
LU	16.84	15.91	15.91	15.56	
HU		12.96	15.48	15.53	
MT		9.93	9.93	15.36	
NL	17.80	17.20	17.30	17.80	18.50
AT		17.40	17.79	17.72	19.09
PL		13.80	12.59	12.95	11.31
PT		15.59	14.80	15.25	14.40
RO		11.41	10.61	11.03	9.76
SI		11.16	11.47	11.56	13.65
SK		13.77	13.65	15.27	15.40
FI		11.49	12.23	12.73	12.96
SE	15.58	16.13	16.98	17.46	16.02
UK		14.81	14.58	16.03	
HR	9.24	9.84	9.90	11.84	11.51
MK					
TR					
IS					
NO		14.98	16.39	17.00	
CH					

Notes: Methodology for the calculation: see part 2.1.4.

## Heating Gasoil Prices for Households (ALL TAXES INCLUDED)

CURRENT PRICES IN EURO PER 1 000 LITRES									
	2000	2001	2002	2003	2004	2005	2006	2007	2008
<b>EU-27</b>						501.1	653.0	602.1	773.2
<b>EU-25</b>						505.2	661.6	610.0	780.1
BE	278.4	328.2	273.0	318.8	302.7	372.4	549.4	494.2	682.7
BG									
CZ						492.0	610.6	554.3	714.7
DK	683.0	699.9	664.9	725.5	719.9	837.8	1 002.4	913.3	1 092.3
DE	327.4	377.4	312.9	401.2	334.4	430.9	587.7	537.0	707.6
EE						431.4	541.1	506.5	710.4
IE	405.2	502.5	397.5	465.2	443.8	525.7	685.1	630.3	807.8
EL	278.2	314.8	302.9	348.2	329.3	415.0	589.0	544.0	716.0
ES	359.5	392.9	339.0	428.5	374.2	446.2	584.8	551.6	733.6
FR	411.0	407.8	314.1	419.1	393.4	477.6	632.4	572.4	761.8
IT	799.5	816.5	816.0	875.0	851.1	952.4	1 102.1	1 045.7	1 203.1
CY						622.8	720.3	743.3	731.8
LV						473.5	600.6	588.8	764.3
LT						376.5	521.3	469.8	644.1
LU	280.1	309.9	260.0	324.0	300.0	377.0	504.0	457.0	623.0
HU						937.0	1 019.6	970.2	1 164.7
MT						370.2	556.7	559.0	626.6
NL	490.5	590.8	552.0	622.0	608.0	700.0	854.0	820.0	964.0
AT	395.3	413.9	371.7	422.4	427.1	492.7	644.8	582.0	748.2
PL						430.9	600.8	527.9	729.5
PT	334.2	359.1	359.0	465.0	425.0	500.0	649.0	622.0	876.0
RO									
SI						487.1	583.7	563.0	720.0
SK						428.1	583.5	559.7	681.8
FI	347.3	454.1	334.0	397.5	381.6	449.0	621.0	544.0	724.0
SE	547.6	671.8	648.4	698.2	777.7	853.4	992.5	976.5	1 156.4
UK	293.7	322.9	251.9	278.0	273.8	372.8	538.7	499.2	671.9
HR									
MK									
TR									
IS									
NO	639.3		634.0	753.0					
CH									

Notes: Methodology for the calculation: see part 2.1.4.

## Natural Gas half-yearly Prices for Households (EXCISE TAXES INCLUDED)

BAND D2: 20 GJ < CONSUMPTION < 200 GJ  
CURRENT PRICES IN EURO PER GJ (GCV)

	2007:01	2007:02	2008:01	2008:02	2009:01
<b>EU-27</b>		12.40	12.99	15.07	
<b>EU-25</b>					
BE		11.48	13.48	16.74	13.93
BG		7.48	8.20	9.05	10.95
CZ		8.45	10.25	12.34	11.55
DK		29.50		21.25	20.44
DE		14.32	14.97	17.79	
EE		6.17	7.88	8.73	9.29
IE		14.84	13.29	15.90	15.76
EL					
ES		13.92	13.78	15.64	
FR		12.18	12.29	13.71	
IT	15.15	14.30	14.55	16.65	
CY					
LV		7.33	8.29	13.22	13.22
LT		5.52	7.75	9.01	10.00
LU		10.33	15.81		
HU		8.85	9.36	10.77	
MT	10.39	8.57	9.45	12.71	
NL	16.84	16.08	16.28	17.67	19.19
AT		14.13	13.56	14.26	15.03
PL		9.13	9.48	11.72	8.85
PT		17.27	16.54	16.65	15.68
RO		7.99	7.74	7.84	6.82
SI					15.23
SK		9.73	9.60	10.86	10.78
FI					
SE	20.66	20.45	21.23	23.14	19.80
UK		9.44	10.46	12.73	
HR	6.81	6.30	6.29	6.31	7.26
MK					
TR					
IS					
NO					
CH					

**Notes:** Methodology for the calculation: see part 2.1.4.

## 2.6

## 2.6.1

## EU-27

Mtoe	1990	1995	2000	2005	2006	2007
<b>Production</b>	937.80	951.03	942.86	900.40	880.90	859.45
<b>Solid fuels</b>	366.48	277.81	213.45	196.28	191.52	187.78
<b>Oil</b>	131.31	171.90	173.98	133.97	122.67	121.62
<b>Gas</b>	162.45	188.96	207.56	188.68	179.41	167.36
<b>Nuclear</b>	202.59	223.03	243.76	257.36	255.34	241.26
<b>Renewables</b>	72.71	85.20	99.20	120.45	128.15	138.83
<b>Industrial waste</b>	2.28	4.13	4.91	3.66	3.80	2.60
<b>Net Imports</b>	756.20	738.39	827.08	986.62	1 011.22	988.35
<b>Solid fuels</b>	81.88	79.23	98.65	126.50	133.78	136.31
<b>Oil</b>	535.72	512.07	533.81	600.54	608.79	588.29
<b>Gas</b>	135.12	145.29	192.53	257.37	266.46	260.54
<b>Electricity</b>	3.32	1.51	1.69	0.97	0.30	0.90
<b>Renewables</b>	0.15	0.29	0.40	1.24	1.90	2.31
<b>Derived heat</b>		0.00	0.00	0.00	0.00	0.00
<b>Gross Inland Consumption</b>	1 662.02	1 663.15	1 724.34	1 825.63	1 825.52	1 806.38
<b>Solid fuels</b>	452.96	364.14	321.06	319.51	325.10	331.23
<b>Oil</b>	632.90	651.59	659.91	676.49	673.08	656.93
<b>Gas</b>	294.90	333.27	393.42	446.00	437.98	432.41
<b>Nuclear</b>	202.59	223.03	243.76	257.36	255.34	241.26
<b>Renewables</b>	73.07	85.48	99.59	121.63	129.93	141.03
<b>Other (****)</b>	5.60	5.64	6.60	4.63	4.10	3.51
<b>Elec. Generation (TWh)</b>	2 583.76	2 732.74	3 020.92	3 308.95	3 353.95	3 361.69
<b>Coal (TWh)</b>	927.73	947.41	925.22	969.24	987.11	988.37
<b>Oil (TWh)</b>	214.75	224.28	180.21	138.97	131.69	112.48
<b>Gas (TWh)</b>	215.93	294.93	512.02	692.68	712.50	760.18
<b>Nuclear (TWh)</b>	794.87	881.82	944.99	997.70	989.88	935.28
<b>Renewables (TWh) (*)</b>	310.12	356.16	422.41	464.20	489.25	525.58
<b>Other (TWh) (***)</b>	120.37	28.15	36.06	46.15	43.54	39.81
<b>Final Energy Consumption by fuel/product</b>	1 068.08	1 071.34	1 114.36	1 172.28	1 175.59	1 157.68
<b>Solid fuels</b>	125.53	85.32	61.85	54.66	55.37	53.85
<b>Oil</b>	444.53	457.24	479.26	497.64	496.54	484.60
<b>Gas</b>	227.90	246.00	265.54	283.71	277.64	268.76
<b>Electricity</b>	184.07	193.37	216.41	237.55	243.00	244.47
<b>Renewables</b>	37.23	42.67	48.65	55.87	59.91	63.14
<b>Derived heat &amp; Industrial waste</b>	48.83	46.74	42.65	42.85	43.14	42.85
<b>by sector</b>						
<b>INDUSTRY</b>	365.73	329.80	327.76	325.79	319.51	322.87
<b>TRANSPORT</b>	280.73	301.20	340.17	363.23	371.14	377.25
<b>HOUSEHOLDS</b>	263.42	280.02	286.90	307.49	304.69	284.55
<b>AGRICULTURE</b>	33.00	31.74	29.89	29.94	28.35	27.83
<b>SERVICES, ETC.</b>	125.20	128.58	129.65	145.83	151.91	145.18
<b>Non-Energy Uses</b>	98.02	110.34	112.33	115.51	112.79	114.41
<b>CO<sub>2</sub> Emissions (Mt) (**)</b>	4 574	4 342	4 350	4 521	4 549	4 498
<b>Energy intensity (toe/M€ '00)</b>	233	209	187	181	176	169
<b>Carbon intensity</b>	2.75	2.61	2.52	2.48	2.49	2.49
<b>Import dependency, %</b>	44.5	43.5	46.8	52.6	53.8	53.1
<b>Energy per capita (kgoe/cap)</b>	3 381	3 474	3 570	3 711	3 696	3 641
<b>CO<sub>2</sub> per capita (kg/cap)</b>	9 305	9 070	9 006	9 190	9 209	9 066

**Notes:** (\*) not including pumping; (\*\*) Source: European Environment Agency, July 2009; Including Bunkers; (\*\*\*) Pumped Storage Plants and Other Power Stations; (\*\*\*\*) Electrical Energy and Industrial Waste.



## Belgium

	Mtoe	1990	1995	2000	2005	2006	2007
<b>Production</b>		13.11	12.73	15.51	15.45	15.29	14.22
<b>Solid fuels</b>		1.08	0.27	0.19	0.06	0.02	
Oil					0.01		0.12
Gas		0.01	0.00	0.00			
Nuclear		10.71	10.34	12.42	12.28	12.03	12.44
Renewables		0.65	0.64	0.71	1.18	1.33	1.27
Industrial waste		0.66	1.49	2.18	1.93	1.91	0.39
<b>Net Imports</b>		39.63	46.86	50.81	53.78	53.49	51.45
<b>Solid fuels</b>		9.49	9.34	7.57	5.51	4.97	4.42
Oil		22.24	26.67	29.49	32.62	32.18	31.03
Gas		8.22	10.42	13.28	14.82	15.03	14.90
Electricity		-0.32	0.35	0.37	0.54	0.87	0.58
Renewables			0.09	0.10	0.28	0.43	0.52
Derived heat							
<b>Gross Inland Consumption</b>		48.61	54.94	61.46	61.15	60.41	57.38
<b>Solid fuels</b>		10.24	8.55	8.20	5.45	5.16	4.61
Oil		18.50	22.88	24.10	24.75	23.67	22.63
Gas		8.17	10.61	13.37	14.74	14.99	14.93
Nuclear		10.71	10.34	12.42	12.28	12.03	12.44
Renewables		0.65	0.72	0.82	1.46	1.77	1.79
Other (****)		0.34	1.84	2.55	2.48	2.78	0.97
<b>Elec. Generation (TWh)</b>		70.85	74.43	83.89	87.03	85.54	88.82
Coal (TWh)		17.10	16.52	12.92	8.20	6.85	6.47
Oil (TWh)		1.31	1.31	0.80	1.74	1.38	0.81
Gas (TWh)		8.17	12.94	19.09	25.14	25.39	27.24
Nuclear (TWh)		42.72	41.36	48.16	47.60	46.65	48.23
Renewables (TWh) (*)		0.77	0.95	1.33	2.63	3.73	3.99
Other (TWh) (***)		0.78	1.35	1.60	1.72	1.55	2.08
<b>Final Energy Consumption</b>		32.07	36.07	39.13	38.44	38.17	34.87
<b>by fuel/product</b>							
Solid fuels		3.79	3.31	3.38	2.08	2.03	1.88
Oil		14.93	16.43	16.13	16.53	15.54	14.53
Gas		7.25	8.52	10.01	10.01	10.47	10.09
Electricity		4.99	5.88	6.67	6.89	7.10	7.13
Renewables		0.33	0.35	0.41	0.65	0.70	0.75
Derived heat & Industrial waste		0.80	1.58	2.53	2.28	2.32	0.50
<b>by sector</b>							
INDUSTRY		12.59	13.61	15.76	13.56	14.43	12.34
TRANSPORT		7.73	8.51	9.71	9.93	9.63	9.59
HOUSEHOLDS		8.36	9.32	9.49	9.94	8.93	8.12
AGRICULTURE		0.49	1.10	0.66	0.82	0.72	0.73
SERVICES, ETC.		2.90	3.53	3.51	4.20	4.46	4.09
<b>Non-Energy Uses</b>		2.75	5.51	6.87	7.50	6.95	7.17
<b>CO<sub>2</sub> Emissions (Mt) (**)</b>		135	139	144	152	150	149
<b>Energy intensity (toe/M€ '00)</b>		239	249	244	224	215	199
<b>Carbon intensity</b>		2.78	2.53	2.35	2.48	2.48	2.59
<b>Import dependency, %</b>		75.2	79.6	76.1	78.2	77.9	77.2
<b>Energy per capita (kgoe/cap)</b>		4 876	5 420	5 998	5 838	5 730	5 402
<b>CO<sub>2</sub> per capita (kg/cap)</b>		13 546	13 726	14 092	14 505	14 233	14 005

Notes: (\*) not including pumping; (\*\*) Source: European Environment Agency, July 2009; Including Bunkers; (\*\*\*) Pumped Storage Plants and Other Power Stations; (\*\*\*\*) Electrical Energy and Industrial Waste.

## Bulgaria

	Mtoe	1990	1995	2000	2005	2006	2007
<b>Production</b>		9.14	10.19	9.85	10.61	10.97	9.87
<b>Solid fuels</b>		5.12	5.29	4.31	4.18	4.31	4.77
Oil		0.06	0.04	0.04	0.03	0.03	0.03
Gas		0.01	0.04	0.01	0.38	0.37	0.24
Nuclear		3.78	4.45	4.69	4.81	5.03	3.78
Renewables		0.16	0.37	0.78	1.15	1.17	0.99
Industrial waste				0.01	0.06	0.06	0.07
<b>Net Imports</b>		17.84	13.48	8.72	9.52	9.54	10.59
<b>Solid fuels</b>		3.53	2.42	2.26	2.55	2.45	3.09
Oil		8.55	6.52	4.12	5.19	5.18	5.16
Gas		5.43	4.56	2.74	2.46	2.61	2.75
Electricity		0.33	-0.01	-0.40	-0.65	-0.67	-0.38
Renewables			-0.01	0.00	-0.03	-0.03	-0.02
Derived heat							
<b>Gross Inland Consumption</b>		27.98	23.31	18.65	19.99	20.54	20.34
<b>Solid fuels</b>		8.70	7.67	6.42	6.90	6.96	7.84
Oil		9.61	6.25	4.22	4.95	5.12	5.07
Gas		5.40	4.58	2.93	2.80	2.90	3.01
Nuclear		3.78	4.45	4.69	4.81	5.03	3.78
Renewables		0.16	0.36	0.78	1.12	1.14	0.96
Other (****)		0.33	-0.01	-0.39	-0.59	-0.61	-0.32
<b>Elec. Generation (TWh)</b>		42.14	41.79	40.92	44.37	45.84	43.30
Coal (TWh)		14.93	17.32	16.94	18.46	19.08	22.37
Oil (TWh)		1.97	1.44	0.66	0.61	0.38	0.57
Gas (TWh)		8.70	3.45	2.18	1.90	2.28	2.43
Nuclear (TWh)		14.67	17.26	18.18	18.65	19.49	14.64
Renewables (TWh) (*)		1.88	1.75	2.69	4.34	4.26	2.92
Other (TWh) (**)			0.57	0.28	0.41	0.35	0.37
<b>Final Energy Consumption</b>		16.15	11.38	8.59	9.58	10.01	9.78
<b>by fuel/product</b>							
Solid fuels		1.52	1.25	0.85	0.97	0.95	0.98
Oil		4.98	2.90	3.00	3.64	3.86	3.72
Gas		2.07	1.79	1.23	1.03	1.17	1.16
Electricity		3.03	2.47	2.07	2.21	2.31	2.34
Renewables			0.18	0.55	0.75	0.77	0.71
Derived heat & Industrial waste		4.54	2.80	0.88	0.99	0.95	0.88
<b>by sector</b>							
INDUSTRY		9.01	6.01	3.65	3.74	3.82	3.86
TRANSPORT		2.52	1.98	1.82	2.57	2.77	2.69
HOUSEHOLDS		2.23	2.26	2.16	2.15	2.18	2.07
AGRICULTURE		0.78	0.38	0.31	0.30	0.30	0.27
SERVICES, ETC.		1.60	0.76	0.65	0.83	0.94	0.90
<b>Non-Energy Uses</b>		1.43	1.24	1.26	1.07	0.97	1.04
CO <sub>2</sub> Emissions (Mt) (**)		88	68	51	55	56	60
Energy intensity (toe/ME'00)		1 984	1 632	1 361	1 127	1 090	1 016
Carbon intensity		3.15	2.91	2.73	2.74	2.72	2.93
Import dependency, %		63.6	57.2	46.6	47.4	46.2	51.9
Energy per capita (kgoe/cap)		3 209	2 773	2 288	2 589	2 668	2 642
CO <sub>2</sub> per capita (kg/cap)		10 098	8 065	6 253	7 106	7 269	7 739

Notes: (\*) not including pumping; (\*\*) Source: European Environment Agency, July 2009; Including Bunkers; (\*\*\*) Pumped Storage Plants and Other Power Stations; (\*\*\*\*) Electrical Energy and Industrial Waste.

## Czech Republic

	Mtoe	1990	1995	2000	2005	2006	2007
<b>Production</b>		40.09	32.22	29.91	32.84	33.53	33.68
<b>Solid fuels</b>		36.32	27.95	25.05	23.57	23.86	23.80
Oil		0.22	0.30	0.46	0.60	0.48	0.46
Gas		0.20	0.20	0.17	0.15	0.15	0.14
Nuclear		3.25	3.15	3.51	6.38	6.72	6.75
Renewables		0.10	0.60	0.60	2.01	2.20	2.40
Industrial waste			0.03	0.13	0.13	0.12	0.13
<b>Net Imports</b>		7.71	8.66	9.47	12.89	12.92	11.59
<b>Solid fuels</b>		-5.67	-5.81	-4.74	-3.18	-3.38	-3.17
Oil		8.65	8.02	7.59	9.81	9.70	9.66
Gas		4.79	6.42	7.48	7.53	7.91	6.71
Electricity		-0.06	0.04	-0.86	-1.09	-1.09	-1.39
Renewables					-0.19	-0.23	-0.22
Derived heat				0.00	0.00	0.00	0.00
<b>Gross Inland Consumption</b>		49.02	41.55	40.54	45.31	46.38	46.24
<b>Solid fuels</b>		31.46	23.01	21.63	20.29	21.04	21.38
Oil		9.03	8.17	8.04	10.07	10.04	10.04
Gas		5.25	6.55	7.50	7.70	7.58	7.16
Nuclear		3.25	3.15	3.51	6.38	6.72	6.75
Renewables		0.10	0.60	0.60	1.82	1.97	2.18
Other (****)		-0.06	0.06	-0.73	-0.96	-0.97	-1.26
<b>Elec. Generation (TWh)</b>		62.56	60.85	73.47	82.58	84.36	88.20
Coal (TWh)		47.02	44.33	52.56	49.52	49.65	53.80
Oil (TWh)		0.54	0.59	0.37	0.33	0.26	0.12
Gas (TWh)		0.97	1.00	3.91	4.22	4.17	4.26
Nuclear (TWh)		12.59	12.23	13.59	24.73	26.05	26.17
Renewables (TWh) (*)		1.16	2.41	2.28	3.14	3.53	3.42
Other (TWh) (***)		0.29	0.29	0.76	0.65	0.71	0.43
<b>Final Energy Consumption</b>		32.34	25.20	23.92	25.88	26.32	25.76
<b>by fuel/product</b>							
Solid fuels		13.83	5.93	5.06	3.67	4.02	3.39
Oil		6.26	5.05	5.41	6.94	6.89	7.24
Gas		5.15	6.12	6.42	6.58	6.63	6.36
Electricity		4.14	4.13	4.24	4.75	4.90	4.92
Renewables			0.31	0.15	1.34	1.45	1.63
Derived heat & Industrial waste		2.96	3.66	2.63	2.59	2.42	2.22
<b>by sector</b>							
INDUSTRY		16.37	12.45	10.08	9.62	9.46	9.55
TRANSPORT		2.81	2.86	4.38	6.17	6.31	6.63
HOUSEHOLDS		7.85	5.44	5.30	6.19	6.51	5.91
AGRICULTURE		1.55	1.23	0.66	0.55	0.56	0.52
SERVICES, ETC.		3.76	3.22	3.50	3.35	3.48	3.15
<b>Non-Energy Uses</b>		1.71	2.41	2.10	2.91	3.05	2.69
<b>CO<sub>2</sub> Emissions (Mt) (**)</b>		165	132	128	127	130	131
<b>Energy intensity (toe/M€ '00)</b>		818	727	659	613	588	553
<b>Carbon intensity</b>		3.37	3.17	3.15	2.81	2.80	2.83
<b>Import dependency, %</b>		15.7	20.9	23.4	28.4	27.9	25.1
<b>Energy per capita (kgoe/cap)</b>		4 730	4 022	3 946	4 428	4 517	4 480
<b>CO<sub>2</sub> per capita (kg/cap)</b>		15 918	12 763	12 432	12 449	12 631	12 694

Notes: (\*) not including pumping; (\*\*) Source: European Environment Agency, July 2009; Including Bunkers; (\*\*\*) Pumped Storage Plants and Other Power Stations; (\*\*\*\*) Electrical Energy and Industrial Waste.

## Denmark

	Mtoe	1990	1995	2000	2005	2006	2007
<b>Production</b>		10.06	15.59	27.67	31.23	29.51	26.99
<b>Solid fuels</b>							
Oil		6.09	9.36	18.19	18.94	17.24	15.53
Gas		2.77	4.70	7.41	9.38	9.32	8.27
Nuclear							
Renewables		1.20	1.53	2.06	2.90	2.95	3.19
Industrial waste							
<b>Net Imports</b>		8.62	7.55	-7.26	-10.41	-8.06	-5.49
<b>Solid fuels</b>		6.22	7.66	3.78	3.54	5.13	4.67
Oil		2.73	1.44	-8.28	-9.38	-8.23	-6.39
Gas		-0.93	-1.50	-2.88	-5.01	-4.69	-4.05
Electricity		0.61	-0.07	0.06	0.12	-0.60	-0.08
Renewables			0.01	0.06	0.33	0.32	0.37
Derived heat		0.00	0.00	0.00	0.00	0.00	0.00
<b>Gross Inland Consumption</b>		17.89	20.28	19.52	19.67	20.92	20.51
<b>Solid fuels</b>		6.09	6.50	3.99	3.75	5.48	4.65
Oil		8.18	9.14	8.90	8.17	8.23	8.32
Gas		1.82	3.17	4.45	4.40	4.54	4.06
Nuclear							
Renewables		1.20	1.54	2.12	3.23	3.27	3.56
Other (****)		0.61	-0.07	0.06	0.12	-0.60	-0.08
<b>Elec. Generation (TWh)</b>		25.98	36.65	36.05	36.24	45.61	39.15
Coal (TWh)		23.56	27.26	16.67	15.46	24.57	19.90
Oil (TWh)		0.83	3.34	4.25	1.22	1.45	1.11
Gas (TWh)		0.69	3.64	8.77	8.78	9.42	6.91
Nuclear (TWh)							
Renewables (TWh) (*)		0.85	2.12	6.13	10.63	10.06	11.06
Other (TWh) (**)		0.05	0.30	0.23	0.15	0.12	0.18
<b>Final Energy Consumption</b>		13.44	14.75	14.64	15.43	15.62	15.71
<b>by fuel/product</b>							
Solid fuels		0.40	0.41	0.29	0.25	0.26	0.26
Oil		7.13	7.16	6.98	7.23	7.29	7.39
Gas		1.16	1.69	1.67	1.71	1.70	1.67
Electricity		2.44	2.66	2.79	2.88	2.92	2.90
Renewables		0.57	0.60	0.66	0.94	1.04	1.20
Derived heat & Industrial waste		1.76	2.24	2.25	2.42	2.41	2.29
<b>by sector</b>							
INDUSTRY		2.69	3.03	2.94	2.86	2.93	2.91
TRANSPORT		4.02	4.46	4.73	5.26	5.34	5.56
HOUSEHOLDS		3.89	4.37	4.13	4.44	4.44	4.46
AGRICULTURE		1.00	0.94	0.97	0.86	0.89	0.83
SERVICES, ETC.		1.84	1.94	1.87	2.00	2.02	1.94
<b>Non-Energy Uses</b>		0.30	0.30	0.30	0.29	0.29	0.31
CO <sub>2</sub> Emissions (Mt) (**)		58	68	60	55	64	59
Energy intensity (toe/M€'00)		133	134	112	106	110	106
Carbon intensity		3.22	3.33	3.05	2.82	3.06	2.90
Import dependency, %		45.8	34.5	-34.8	-50.8	-36.7	-25.4
Energy per capita (kgoe/cap)		3 481	3 878	3 657	3 630	3 848	3 757
CO <sub>2</sub> per capita (kg/cap)		11 209	12 907	11 155	10 231	11 787	10 895

Notes: (\*) not including pumping; (\*\*) Source: European Environment Agency, July 2009; Including Bunkers; (\*\*\*) Pumped Storage Plants and Other Power Stations; (\*\*\*\*) Electrical Energy and Industrial Waste.

## Germany

	Mtoe	1990	1995	2000	2005	2006	2007
<b>Production</b>		188.57	142.98	134.53	135.99	137.05	137.83
<b>Solid fuels</b>		125.13	78.83	59.60	56.49	53.31	54.59
Oil		5.92	4.31	4.72	5.66	5.69	5.70
Gas		13.53	15.10	15.80	14.22	14.05	12.87
Nuclear		37.67	37.32	43.75	42.06	43.15	36.25
Renewables		5.83	6.52	9.63	17.56	20.83	28.12
Industrial waste		0.49	0.90	1.03	0.00	0.02	0.30
<b>Net Imports</b>		166.52	196.27	205.68	215.28	215.55	201.84
<b>Solid fuels</b>		3.18	10.96	21.60	26.81	29.11	32.35
Oil		121.53	131.99	126.95	123.13	121.52	109.18
Gas		41.75	52.90	56.87	65.73	66.43	61.75
Electricity		0.07	0.41	0.26	-0.39	-1.46	-1.42
Renewables						-0.06	-0.02
Derived heat		0.00					
<b>Gross Inland Consumption</b>		358.16	340.46	342.36	347.12	348.84	339.57
<b>Solid fuels</b>		131.52	92.17	83.73	82.80	82.24	86.97
Oil		127.60	135.83	132.11	124.24	124.63	112.73
Gas		54.98	67.30	71.85	80.86	79.50	76.64
Nuclear		37.67	37.32	43.75	42.06	43.15	36.25
Renewables		5.83	6.52	9.63	17.56	20.77	28.11
Other (****)		0.56	1.32	1.29	-0.39	-1.44	-1.13
<b>Elec. Generation (TWh)</b>		549.94	536.24	571.55	620.30	636.60	637.10
Coal (TWh)		220.50	289.70	291.50	297.52	293.63	299.79
Oil (TWh)		10.85	8.98	4.79	10.58	9.55	11.27
Gas (TWh)		45.40	50.39	59.97	76.61	82.85	84.12
Nuclear (TWh)		152.47	154.09	169.61	163.06	167.27	140.53
Renewables (TWh) (*)		20.60	25.25	38.79	64.66	74.13	93.77
Other (TWh) (***)		100.13	7.83	6.91	7.87	9.18	7.62
<b>Final Energy Consumption</b>		227.20	222.80	218.10	217.31	221.63	210.29
<b>by fuel/product</b>							
Solid fuels		37.14	14.92	10.95	9.83	9.79	9.60
Oil		96.80	104.90	98.46	88.71	89.74	78.45
Gas		42.72	52.59	56.06	59.82	60.47	59.43
Electricity		38.39	38.91	41.50	44.50	45.40	45.61
Renewables		2.99	2.73	4.80	8.15	9.88	10.90
Derived heat & Industrial waste		9.15	8.74	6.32	6.30	6.34	6.31
<b>by sector</b>							
INDUSTRY		71.46	62.00	57.90	55.81	55.60	57.37
TRANSPORT		58.63	63.08	66.19	62.15	63.31	62.39
HOUSEHOLDS		58.42	63.15	62.14	66.83	67.91	60.32
AGRICULTURE		3.04	2.68	2.74	2.57	2.62	2.62
SERVICES, ETC.		35.65	31.89	29.14	29.95	32.19	27.59
<b>Non-Energy Uses</b>		23.47	23.32	25.46	24.97	25.15	24.72
<b>CO<sub>2</sub> Emissions (Mt) (**)</b>		1 055	944	910	883	900	876
<b>Energy intensity (toe/M€ '00)</b>		206	182	166	163	159	151
<b>Carbon intensity</b>		2.95	2.77	2.66	2.54	2.58	2.58
<b>Import dependency, %</b>		46.2	57.3	59.7	61.6	61.3	58.9
<b>Energy per capita (kgoe/cap)</b>		4 513	4 169	4 166	4 209	4 235	4 128
<b>CO<sub>2</sub> per capita (kg/cap)</b>		13 293	11 557	11 072	10 707	10 923	10 653

Notes: (\*) not including pumping; (\*\*) Source: European Environment Agency, July 2009; Including Bunkers; (\*\*\*) Pumped Storage Plants and Other Power Stations; (\*\*\*\*) Electrical Energy and Industrial Waste.

## Estonia

	Mtoe	1990	1995	2000	2005	2006	2007
<b>Production</b>		5.60	3.51	3.30	4.01	3.88	4.46
<b>Solid fuels</b>		5.05	2.87	2.67	3.18	3.10	3.65
<b>Oil</b>		0.10	0.16	0.12	0.14	0.14	0.07
<b>Gas</b>							
<b>Nuclear</b>							
<b>Renewables</b>		0.45	0.49	0.51	0.69	0.65	0.74
<b>Industrial waste</b>							
<b>Net Imports</b>		4.60	2.00	1.78	1.67	1.86	1.88
<b>Solid fuels</b>		0.70	0.29	0.27	0.03	0.00	0.03
<b>Oil</b>		3.28	1.19	0.93	1.08	1.25	1.39
<b>Gas</b>		1.22	0.58	0.66	0.80	0.81	0.80
<b>Electricity</b>		-0.60	-0.07	-0.08	-0.14	-0.06	-0.21
<b>Renewables</b>				0.00	-0.11	-0.12	-0.14
<b>Derived heat</b>							
<b>Gross Inland Consumption</b>		10.15	5.51	5.00	5.56	5.42	6.07
<b>Solid fuels</b>		5.97	3.31	2.97	3.19	3.04	3.71
<b>Oil</b>		3.10	1.20	0.93	1.12	1.10	1.16
<b>Gas</b>		1.22	0.58	0.66	0.80	0.81	0.80
<b>Nuclear</b>							
<b>Renewables</b>		0.46	0.48	0.51	0.59	0.53	0.60
<b>Other (****)</b>		-0.60	-0.07	-0.08	-0.14	-0.06	-0.21
<b>Elec. Generation (TWh)</b>		17.18	8.69	8.51	10.21	9.73	12.19
<b>Coal (TWh)</b>		14.92	8.38	7.68	9.30	8.79	11.42
<b>Oil (TWh)</b>		1.44	0.10	0.06	0.03	0.03	0.03
<b>Gas (TWh)</b>		0.82	0.20	0.76	0.76	0.78	0.59
<b>Nuclear (TWh)</b>							
<b>Renewables (TWh) (*)</b>			0.01	0.02	0.10	0.13	0.15
<b>Other (TWh) (**)</b>					0.01		
<b>Final Energy Consumption</b>		6.15	2.50	2.36	2.80	2.79	3.03
<b>by fuel/product</b>							
<b>Solid fuels</b>		0.70	0.19	0.12	0.12	0.11	0.17
<b>Oil</b>		1.94	0.86	0.75	0.97	0.96	1.04
<b>Gas</b>		0.44	0.20	0.13	0.21	0.22	0.23
<b>Electricity</b>		0.59	0.39	0.43	0.52	0.56	0.58
<b>Renewables</b>		0.40	0.27	0.42	0.45	0.40	0.49
<b>Derived heat &amp; Industrial waste</b>		2.09	0.59	0.51	0.55	0.54	0.52
<b>by sector</b>							
<b>INDUSTRY</b>		2.73	0.79	0.53	0.66	0.63	0.72
<b>TRANSPORT</b>		0.84	0.49	0.58	0.77	0.80	0.86
<b>HOUSEHOLDS</b>		1.28	0.97	0.93	0.89	0.88	0.96
<b>AGRICULTURE</b>		0.71	0.08	0.06	0.10	0.09	0.09
<b>SERVICES, ETC.</b>		0.59	0.17	0.27	0.38	0.39	0.40
<b>Non-Energy Uses</b>		0.17	0.23	0.22	0.24	0.23	0.21
<b>CO<sub>2</sub> Emissions (Mt) (**)</b>		38	18	16	17	17	20
<b>Energy intensity (toe/M€'00)</b>			1 209	819	624	551	581
<b>Carbon intensity</b>		3.74	3.36	3.19	3.12	3.16	3.30
<b>Import dependency, %</b>		44.5	35.7	34.9	29.4	33.1	29.7
<b>Energy per capita (kgoe/cap)</b>		6 395	3 802	3 643	4 125	4 031	4 522
<b>CO<sub>2</sub> per capita (kg/cap)</b>		23 918	12 770	11 621	12 889	12 720	14 912

Notes: (\*) not including pumping; (\*\*) Source: European Environment Agency, July 2009; Including Bunkers; (\*\*\*) Pumped Storage Plants and Other Power Stations; (\*\*\*\*) Electrical Energy and Industrial Waste.

## Ireland

	Mtoe	1990	1995	2000	2005	2006	2007
<b>Production</b>		3.35	4.01	2.18	1.62	1.60	1.41
<b>Solid fuels</b>		1.31	1.61	0.99	0.79	0.77	0.59
<b>Oil</b>							
<b>Gas</b>		1.87	2.25	0.96	0.46	0.41	0.37
<b>Nuclear</b>							
<b>Renewables</b>		0.17	0.15	0.24	0.37	0.42	0.45
<b>Industrial waste</b>							
<b>Net Imports</b>		7.09	7.64	12.27	13.66	14.22	14.12
<b>Solid fuels</b>		2.06	1.83	1.79	1.97	1.72	1.49
<b>Oil</b>		5.03	5.72	7.99	8.50	8.75	8.57
<b>Gas</b>			0.08	2.48	3.01	3.60	3.92
<b>Electricity</b>			0.00	0.01	0.18	0.15	0.11
<b>Renewables</b>					0.00	0.00	0.02
<b>Derived heat</b>							
<b>Gross Inland Consumption</b>		10.25	10.87	14.36	15.13	15.52	15.88
<b>Solid fuels</b>		3.42	2.78	2.74	2.69	2.44	2.29
<b>Oil</b>		4.79	5.60	7.94	8.43	8.50	8.73
<b>Gas</b>		1.87	2.33	3.44	3.47	4.01	4.28
<b>Nuclear</b>							
<b>Renewables</b>		0.17	0.15	0.24	0.37	0.42	0.47
<b>Other (****)</b>			0.00	0.01	0.18	0.15	0.11
<b>Elec. Generation (TWh)</b>		14.52	17.88	24.00	25.36	27.48	28.23
<b>Coal (TWh)</b>		8.16	9.04	8.59	8.84	8.02	7.67
<b>Oil (TWh)</b>		1.43	2.70	4.66	3.34	2.71	1.98
<b>Gas (TWh)</b>		3.94	5.16	9.26	10.96	13.91	15.46
<b>Nuclear (TWh)</b>							
<b>Renewables (TWh) (*)</b>		0.70	0.73	1.19	1.87	2.47	2.76
<b>Other (TWh) (***)</b>		0.29	0.26	0.30	0.34	0.37	0.35
<b>Final Energy Consumption</b>		7.37	7.91	10.68	12.46	13.07	13.21
<b>by fuel/product</b>							
<b>Solid fuels</b>		1.78	0.93	0.70	0.70	0.66	0.64
<b>Oil</b>		3.89	4.81	6.92	8.02	8.43	8.56
<b>Gas</b>		0.57	0.80	1.20	1.46	1.56	1.58
<b>Electricity</b>		1.02	1.28	1.74	2.09	2.23	2.22
<b>Renewables</b>		0.11	0.09	0.12	0.18	0.19	0.21
<b>Derived heat &amp; Industrial waste</b>							
<b>by sector</b>							
<b>INDUSTRY</b>		1.75	1.85	2.35	2.59	2.79	2.57
<b>TRANSPORT</b>		1.99	2.35	4.02	5.00	5.37	5.74
<b>HOUSEHOLDS</b>		2.41	2.20	2.49	2.90	3.06	2.91
<b>AGRICULTURE</b>		0.25	0.34	0.31	0.32	0.25	0.30
<b>SERVICES, ETC.</b>		0.98	1.17	1.51	1.65	1.60	1.69
<b>Non-Energy Uses</b>		0.62	0.55	0.55	0.31	0.36	0.13
<b>CO<sub>2</sub> Emissions (Mt) (**)</b>		34	37	47	50	50	51
<b>Energy intensity (toe/M€ '00)</b>		196	165	137	110	107	103
<b>Carbon intensity</b>		3.27	3.38	3.27	3.33	3.25	3.20
<b>Import dependency, %</b>		69.1	69.5	84.5	89.7	90.9	88.3
<b>Energy per capita (kgoe/cap)</b>		2 922	3 017	3 779	3 646	3 649	3 645
<b>CO<sub>2</sub> per capita (kg/cap)</b>		9 561	10 212	12 372	12 155	11 871	11 672

Notes: (\*) not including pumping; (\*\*) Source: European Environment Agency, July 2009; Including Bunkers; (\*\*\*) Pumped Storage Plants and Other Power Stations; (\*\*\*\*) Electrical Energy and Industrial Waste.

## Greece

	Mtoe	1990	1995	2000	2005	2006	2007
<b>Production</b>		9.16	9.74	10.01	10.32	10.06	12.18
<b>Solid fuels</b>		7.08	7.91	8.22	8.54	8.14	10.39
<b>Oil</b>		0.84	0.46	0.28	0.10	0.09	0.08
<b>Gas</b>		0.14	0.04	0.04	0.02	0.03	0.02
<b>Nuclear</b>							
<b>Renewables</b>		1.10	1.29	1.40	1.63	1.79	1.68
<b>Industrial waste</b>			0.04	0.06	0.02	0.01	0.01
<b>Net Imports</b>		15.47	18.27	22.07	23.45	24.85	24.70
<b>Solid fuels</b>		0.99	0.92	0.77	0.37	0.22	0.36
<b>Oil</b>		14.42	17.27	19.61	20.42	21.54	20.63
<b>Gas</b>				1.69	2.33	2.72	3.33
<b>Electricity</b>		0.06	0.07	0.00	0.33	0.36	0.37
<b>Renewables</b>						0.00	0.00
<b>Derived heat</b>							
<b>Gross Inland Consumption</b>		22.34	24.23	28.22	31.35	31.51	33.49
<b>Solid fuels</b>		8.09	8.78	9.04	8.95	8.39	10.84
<b>Oil</b>		12.94	14.01	16.01	18.06	18.21	17.24
<b>Gas</b>		0.14	0.04	1.70	2.35	2.75	3.35
<b>Nuclear</b>							
<b>Renewables</b>		1.10	1.29	1.40	1.63	1.80	1.68
<b>Other (****)</b>		0.06	0.11	0.06	0.35	0.37	0.38
<b>Elec. Generation (TWh)</b>		35.00	41.55	53.84	60.02	60.79	63.50
<b>Coal (TWh)</b>		25.17	28.70	34.31	35.54	32.26	34.68
<b>Oil (TWh)</b>		7.74	8.86	8.89	9.21	9.60	9.64
<b>Gas (TWh)</b>		0.09	0.08	5.92	8.17	10.61	13.77
<b>Nuclear (TWh)</b>							
<b>Renewables (TWh) (*)</b>		1.77	3.56	4.14	6.41	7.86	4.59
<b>Other (TWh) (**)</b>		0.23	0.36	0.58	0.69	0.45	0.81
<b>Final Energy Consumption</b>		14.54	15.84	18.56	20.80	21.45	21.96
<b>by fuel/product</b>							
<b>Solid fuels</b>		1.05	1.07	0.89	0.45	0.40	0.53
<b>Oil</b>		10.07	10.84	12.63	14.28	14.69	14.67
<b>Gas</b>		0.01	0.01	0.26	0.58	0.69	0.70
<b>Electricity</b>		2.45	2.93	3.71	4.38	4.52	4.75
<b>Renewables</b>		0.95	0.98	1.05	1.07	1.10	1.27
<b>Derived heat &amp; Industrial waste</b>				0.03	0.05	0.06	0.04
<b>by sector</b>							
<b>INDUSTRY</b>		3.95	4.11	4.45	4.14	4.21	4.59
<b>TRANSPORT</b>		5.82	6.45	7.21	8.08	8.50	8.81
<b>HOUSEHOLDS</b>		3.06	3.33	4.49	5.49	5.49	5.33
<b>AGRICULTURE</b>		1.03	1.01	1.11	1.14	1.18	1.10
<b>SERVICES, ETC.</b>		0.69	0.94	1.31	1.94	2.07	2.13
<b>Non-Energy Uses</b>		0.67	0.46	0.72	0.76	0.91	0.84
<b>CO<sub>2</sub> Emissions (Mt) (**)</b>		94	101	117	123	122	127
<b>Energy intensity (toe/M€'00)</b>		204	208	205	185	178	182
<b>Carbon intensity</b>		4.19	4.15	4.16	3.91	3.88	3.78
<b>Import dependency, %</b>		62.2	65.8	69.4	68.6	71.9	67.3
<b>Energy per capita (kgoe/cap)</b>		2 199	2 278	2 585	2 824	2 826	2 992
<b>CO<sub>2</sub> per capita (kg/cap)</b>		9 218	9 461	10 744	11 033	10 969	11 302

**Notes:** (\*) not including pumping; (\*\*) Source: European Environment Agency, July 2009; Including Bunkers; (\*\*\*) Pumped Storage Plants and Other Power Stations; (\*\*\*\*) Electrical Energy and Industrial Waste.



## Spain

	Mtoe	1990	1995	2000	2005	2006	2007
<b>Production</b>		33.73	31.37	31.33	30.13	31.15	30.18
<b>Solid fuels</b>		11.68	10.17	7.74	6.26	6.05	5.45
<b>Oil</b>		0.80	0.79	0.23	0.17	0.14	0.14
<b>Gas</b>		1.27	0.38	0.15	0.14	0.06	0.08
<b>Nuclear</b>		13.70	14.30	16.05	14.84	15.51	14.21
<b>Renewables</b>		6.26	5.60	7.02	8.71	9.38	10.29
<b>Industrial waste</b>		0.02	0.12	0.16			
<b>Net Imports</b>		60.17	76.16	99.33	123.97	124.03	123.34
<b>Solid fuels</b>		7.04	9.15	12.64	14.42	13.51	13.43
<b>Oil</b>		49.48	59.11	70.85	79.42	79.16	78.89
<b>Gas</b>		3.69	7.52	15.47	30.25	31.65	31.50
<b>Electricity</b>		-0.04	0.39	0.38	-0.12	-0.28	-0.49
<b>Renewables</b>							0.00
<b>Derived heat</b>							
<b>Gross Inland Consumption</b>		89.72	102.95	123.65	144.59	144.04	146.81
<b>Solid fuels</b>		18.94	19.52	20.64	20.70	17.88	20.15
<b>Oil</b>		45.86	55.30	64.19	70.61	70.32	70.79
<b>Gas</b>		4.97	7.72	15.22	29.84	31.23	31.85
<b>Nuclear</b>		13.70	14.30	16.05	14.84	15.51	14.21
<b>Renewables</b>		6.26	5.60	7.02	8.71	9.38	10.29
<b>Other (****)</b>		-0.02	0.51	0.54	-0.12	-0.28	-0.49
<b>Elec. Generation (TWh)</b>		151.84	167.33	225.15	294.04	299.46	303.29
<b>Coal (TWh)</b>		59.73	65.91	79.10	79.70	66.74	73.10
<b>Oil (TWh)</b>		8.60	14.62	22.64	24.42	23.83	18.51
<b>Gas (TWh)</b>		2.44	4.92	22.46	80.08	91.81	93.80
<b>Nuclear (TWh)</b>		54.27	55.46	62.21	57.54	60.13	55.10
<b>Renewables (TWh) (*)</b>		26.03	24.59	36.04	43.93	52.36	59.42
<b>Other (TWh) (***)</b>		0.77	1.83	2.72	8.38	4.60	3.37
<b>Final Energy Consumption</b>		56.80	63.69	79.63	97.46	96.17	98.70
<b>by fuel/product</b>							
<b>Solid fuels</b>		3.52	2.23	1.67	1.78	1.57	1.82
<b>Oil</b>		33.61	39.13	46.01	53.07	53.06	54.13
<b>Gas</b>		4.90	6.84	12.14	17.98	15.47	16.15
<b>Electricity</b>		10.82	12.12	16.20	20.82	22.06	22.36
<b>Renewables</b>		3.93	3.26	3.45	3.81	4.00	4.25
<b>Derived heat &amp; Industrial waste</b>		0.01	0.12	0.16			
<b>by sector</b>							
<b>INDUSTRY</b>		20.07	20.51	25.53	31.10	25.89	26.70
<b>TRANSPORT</b>		22.40	26.16	32.98	39.61	40.76	42.10
<b>HOUSEHOLDS</b>		9.28	10.00	11.89	15.17	15.80	15.94
<b>AGRICULTURE</b>		1.66	2.19	2.54	3.10	2.82	2.98
<b>SERVICES, ETC.</b>		3.39	4.83	6.70	8.48	10.89	10.99
<b>Non-Energy Uses</b>		6.03	8.36	9.47	8.35	7.75	7.90
<b>CO<sub>2</sub> Emissions (Mt) (**)</b>		243	272	335	403	395	404
<b>Energy intensity (toe/M€ '00)</b>		188	200	196	195	187	184
<b>Carbon intensity</b>		2.71	2.64	2.71	2.78	2.74	2.75
<b>Import dependency, %</b>		64.3	71.8	76.7	81.3	81.5	79.5
<b>Energy per capita (kgoe/cap)</b>		2 300	2 614	3 071	3 332	3 268	3 272
<b>CO<sub>2</sub> per capita (kg/cap)</b>		6 241	6 894	8 323	9 278	8 954	8 995

Notes: (\*) not including pumping; (\*\*) Source: European Environment Agency, July 2009; Including Bunkers; (\*\*\*) Pumped Storage Plants and Other Power Stations; (\*\*\*\*) Electrical Energy and Industrial Waste.

## France

	Mtoe	1990	1995	2000	2005	2006	2007
<b>Production</b>		110.79	127.32	131.60	136.74	136.62	134.42
<b>Solid fuels</b>		7.63	5.36	2.27	0.38	0.28	0.24
<b>Oil</b>		3.30	3.22	2.57	1.48	1.19	1.20
<b>Gas</b>		2.52	2.79	1.50	0.91	1.06	0.92
<b>Nuclear</b>		81.02	97.31	107.09	116.47	116.13	113.43
<b>Renewables</b>		16.34	18.64	18.16	17.49	17.97	18.64
<b>Industrial waste</b>							
<b>Net Imports</b>		120.60	116.80	134.20	144.35	141.75	137.55
<b>Solid fuels</b>		13.00	9.01	13.20	13.50	13.88	12.39
<b>Oil</b>		87.13	86.31	91.19	95.36	93.81	92.60
<b>Gas</b>		24.37	27.49	35.78	40.72	39.47	37.13
<b>Electricity</b>		-3.91	-6.01	-5.97	-5.19	-5.45	-4.89
<b>Renewables</b>				0.00	-0.06	0.04	0.31
<b>Derived heat</b>							
<b>Gross Inland Consumption</b>		227.54	241.13	259.51	277.09	273.80	270.27
<b>Solid fuels</b>		19.96	15.29	15.24	14.30	13.24	13.39
<b>Oil</b>		88.10	86.32	89.22	92.99	92.25	90.90
<b>Gas</b>		26.03	29.58	35.77	41.08	39.62	38.48
<b>Nuclear</b>		81.02	97.31	107.09	116.47	116.13	113.43
<b>Renewables</b>		16.34	18.64	18.16	17.44	18.00	18.96
<b>Other (****)</b>		-3.91	-6.01	-5.97	-5.19	-5.45	-4.89
<b>Elec. Generation (TWh)</b>		420.74	493.90	540.73	576.17	574.56	569.84
<b>Coal (TWh)</b>		31.47	24.18	27.00	27.52	22.89	24.45
<b>Oil (TWh)</b>		8.67	7.75	7.17	7.93	7.13	6.16
<b>Gas (TWh)</b>		6.98	6.15	15.37	26.26	25.28	25.74
<b>Nuclear (TWh)</b>		314.08	377.23	415.16	451.53	450.19	439.73
<b>Renewables (TWh) (*)</b>		55.54	75.63	71.35	58.23	63.79	68.29
<b>Other (TWh) (**)</b>		4.00	2.96	4.68	4.71	5.28	5.48
<b>Final Energy Consumption</b>		136.45	142.31	152.47	159.18	157.71	154.04
<b>by fuel/product</b>							
<b>Solid fuels</b>		9.02	6.90	5.77	5.15	5.28	5.05
<b>Oil</b>		67.70	68.41	72.24	73.35	72.27	69.97
<b>Gas</b>		23.40	27.10	30.88	33.74	32.70	31.10
<b>Electricity</b>		25.96	29.46	33.10	36.34	36.69	36.62
<b>Renewables</b>		10.38	10.44	10.48	10.59	10.77	11.30
<b>Derived heat &amp; Industrial waste</b>							
<b>by sector</b>							
<b>INDUSTRY</b>		36.44	37.12	36.89	35.84	34.70	33.71
<b>TRANSPORT</b>		42.04	44.29	51.59	49.94	50.92	51.49
<b>HOUSEHOLDS</b>		36.49	36.88	42.41	45.16	44.64	41.48
<b>AGRICULTURE</b>		3.27	3.05	3.08	3.29	3.19	2.96
<b>SERVICES, ETC.</b>		18.21	20.97	18.51	24.94	24.27	24.40
<b>Non-Energy Uses</b>		13.45	16.84	15.90	14.29	14.59	15.48
<b>CO<sub>2</sub> Emissions (Mt) (**)</b>		412	411	430	441	433	424
<b>Energy intensity (toe/M€'00)</b>		192	192	180	177	171	165
<b>Carbon intensity</b>		1.81	1.70	1.66	1.59	1.58	1.57
<b>Import dependency, %</b>		52.4	47.9	51.1	51.6	51.2	50.4
<b>Energy per capita (kgoe/cap)</b>		3 911	4 058	4 272	4 411	4 333	4 251
<b>CO<sub>2</sub> per capita (kg/cap)</b>		7 088	6 915	7 078	7 020	6 845	6 662

**Notes:** (\*) not including pumping; (\*\*) Source: European Environment Agency, July 2009; Including Bunkers; (\*\*\*) Pumped Storage Plants and Other Power Stations; (\*\*\*\*) Electrical Energy and Industrial Waste.

## Italy

	Mtoe	1990	1995	2000	2005	2006	2007
<b>Production</b>		25.56	29.43	27.13	28.11	28.00	26.90
<b>Solid fuels</b>		0.22	0.04	0.00	0.06	0.01	0.10
<b>Oil</b>		4.77	5.40	4.81	6.52	6.67	6.83
<b>Gas</b>		14.03	16.35	13.62	9.89	8.99	7.95
<b>Nuclear</b>							
<b>Renewables</b>		6.39	7.54	8.55	11.53	12.20	11.90
<b>Industrial waste</b>		0.15	0.10	0.14	0.12	0.13	0.13
<b>Net Imports</b>		132.45	135.06	153.43	160.95	164.57	159.50
<b>Solid fuels</b>		13.79	12.99	13.19	16.37	16.61	16.65
<b>Oil</b>		90.28	90.09	88.93	79.90	80.11	77.58
<b>Gas</b>		25.31	28.53	47.01	59.84	63.09	60.51
<b>Electricity</b>		2.98	3.22	3.81	4.23	3.87	3.98
<b>Renewables</b>		0.09	0.23	0.49	0.62	0.90	0.79
<b>Derived heat</b>							
<b>Gross Inland Consumption</b>		153.51	161.67	172.95	187.31	186.11	183.45
<b>Solid fuels</b>		14.62	12.27	12.66	16.48	16.66	16.79
<b>Oil</b>		90.27	93.66	89.36	83.69	83.17	80.34
<b>Gas</b>		39.00	44.65	57.94	70.65	69.19	69.53
<b>Nuclear</b>							
<b>Renewables</b>		6.48	7.77	9.03	12.15	13.10	12.69
<b>Other (****)</b>		3.13	3.32	3.96	4.34	3.99	4.11
<b>Elec. Generation (TWh)</b>		216.89	241.47	276.61	303.70	314.12	313.89
<b>Coal (TWh)</b>		32.04	24.12	26.27	43.61	44.21	44.11
<b>Oil (TWh)</b>		102.71	120.80	85.88	47.12	45.88	35.41
<b>Gas (TWh)</b>		42.18	50.44	105.61	155.07	164.31	178.27
<b>Nuclear (TWh)</b>							
<b>Renewables (TWh) (*)</b>		35.02	41.63	51.21	49.75	52.09	49.23
<b>Other (TWh) (***)</b>		4.94	4.47	7.64	8.15	7.64	6.87
<b>Final Energy Consumption</b>		107.38	113.90	123.46	132.60	130.65	132.06
<b>by fuel/product</b>							
<b>Solid fuels</b>		4.21	4.01	3.68	4.22	4.16	3.66
<b>Oil</b>		53.84	53.29	56.36	58.46	57.49	57.12
<b>Gas</b>		29.81	34.65	37.98	41.98	39.96	39.42
<b>Electricity</b>		18.41	20.44	23.43	25.83	26.51	26.56
<b>Renewables</b>		0.97	1.42	1.94	2.05	2.47	2.17
<b>Derived heat &amp; Industrial waste</b>		0.14	0.08	0.06	0.06	0.06	3.13
<b>by sector</b>							
<b>INDUSTRY</b>		36.26	36.46	39.53	39.07	38.01	41.48
<b>TRANSPORT</b>		33.51	37.74	41.39	43.78	44.19	44.56
<b>HOUSEHOLDS</b>		26.33	26.71	28.36	31.88	29.92	27.91
<b>AGRICULTURE</b>		3.10	3.24	3.22	3.38	3.39	3.26
<b>SERVICES, ETC.</b>		8.17	9.75	10.97	14.48	15.14	14.85
<b>Non-Energy Uses</b>		10.09	13.81	11.04	11.26	10.68	10.19
<b>CO<sub>2</sub> Emissions (Mt) (**)</b>		443	455	475	506	503	493
<b>Energy intensity (toe/M€ '00)</b>		151	149	145	150	147	142
<b>Carbon intensity</b>		2.89	2.81	2.75	2.70	2.70	2.69
<b>Import dependency, %</b>		84.8	82.3	87.3	84.4	86.8	85.3
<b>Energy per capita (kgoe/cap)</b>		2 707	2 844	3 037	3 196	3 158	3 090
<b>CO<sub>2</sub> per capita (kg/cap)</b>		7 815	8 006	8 340	8 635	8 534	8 311

Notes: (\*) not including pumping; (\*\*) Source: European Environment Agency, July 2009; Including Bunkers; (\*\*\*) Pumped Storage Plants and Other Power Stations; (\*\*\*\*) Electrical Energy and Industrial Waste.

## Cyprus

	Mtoe	1990	1995	2000	2005	2006	2007
<b>Production</b>		0.01	0.04	0.04	0.05	0.05	0.07
Solid fuels							
Oil							
Gas							
Nuclear							
Renewables		0.01	0.04	0.04	0.05	0.05	0.07
Industrial waste					0.00	0.00	0.01
<b>Net Imports</b>		1.64	2.02	2.55	2.82	2.97	2.87
Solid fuels		0.07	0.02	0.04	0.04	0.04	0.02
Oil		1.57	2.01	2.51	2.77	2.93	2.85
Gas							
Electricity							
Renewables					0.00	0.00	0.00
Derived heat							
<b>Gross Inland Consumption</b>		1.52	1.98	2.39	2.47	2.61	2.73
Solid fuels		0.06	0.01	0.03	0.04	0.04	0.03
Oil		1.45	1.92	2.31	2.38	2.52	2.62
Gas							
Nuclear							
Renewables		0.01	0.04	0.04	0.05	0.05	0.07
Other (****)					0.00	0.00	0.01
<b>Elec. Generation (TWh)</b>		1.97	2.47	3.37	4.38	4.65	4.87
Coal (TWh)							
Oil (TWh)		1.97	2.47	3.37	4.38	4.65	4.87
Gas (TWh)							
Nuclear (TWh)							
Renewables (TWh) (*)					0.00	0.00	0.00
Other (TWh) (**)							
<b>Final Energy Consumption</b>		1.10	1.41	1.64	1.81	1.84	1.90
<b>by fuel/product</b>							
Solid fuels		0.08	0.01	0.03	0.04	0.04	0.03
Oil		0.87	1.17	1.30	1.38	1.39	1.42
Gas							
Electricity		0.15	0.19	0.26	0.34	0.36	0.38
Renewables		0.01	0.04	0.04	0.05	0.05	0.07
Derived heat & Industrial waste					0.00	0.00	0.01
<b>by sector</b>							
INDUSTRY		0.28	0.39	0.44	0.32	0.33	0.34
TRANSPORT		0.63	0.75	0.85	0.97	0.93	0.95
HOUSEHOLDS		0.11	0.18	0.22	0.32	0.35	0.30
AGRICULTURE		0.00	0.01	0.01	0.04	0.04	0.04
SERVICES, ETC.		0.08	0.09	0.12	0.17	0.20	0.26
<b>Non-Energy Uses</b>		0.03	0.06	0.08	0.07	0.07	0.06
<b>CO<sub>2</sub> Emissions (Mt) (**)</b>		5	6	9	10	10	10
<b>Energy intensity (toe/M€'00)</b>		236	236	237	209	212	212
<b>Carbon intensity</b>		3.37	3.24	3.85	3.85	3.72	3.60
<b>Import dependency, %</b>		103.9	99.1	98.8	100.7	102.5	95.9
<b>Energy per capita (kgoe/cap)</b>		2 620	3 036	3 443	3 257	3 377	3 477
<b>CO<sub>2</sub> per capita (kg/cap)</b>		8 833	9 841	13 244	12 555	12 566	12 499

Notes: (\*) not including pumping; (\*\*) Source: European Environment Agency, July 2009; Including Bunkers; (\*\*\*) Pumped Storage Plants and Other Power Stations; (\*\*\*\*) Electrical Energy and Industrial Waste.

## Latvia

	Mtoe	1990	1995	2000	2005	2006	2007
<b>Production</b>		1.12	1.43	1.41	1.87	1.85	1.81
<b>Solid fuels</b>		0.06	0.08	0.02	0.00	0.00	0.00
<b>Oil</b>		0.00			0.01	0.01	0.01
<b>Gas</b>							
<b>Nuclear</b>							
<b>Renewables</b>		1.06	1.35	1.39	1.85	1.84	1.79
<b>Industrial waste</b>					0.00	0.00	0.01
<b>Net Imports</b>		7.47	3.37	2.25	2.99	3.17	3.04
<b>Solid fuels</b>		0.63	0.17	0.06	0.08	0.10	0.09
<b>Oil</b>		3.97	2.09	1.12	1.68	1.71	1.76
<b>Gas</b>		2.56	1.00	1.11	1.43	1.53	1.32
<b>Electricity</b>		0.31	0.19	0.15	0.18	0.22	0.26
<b>Renewables</b>			-0.09	-0.20	-0.38	-0.39	-0.39
<b>Derived heat</b>							
<b>Gross Inland Consumption</b>		7.93	4.63	3.75	4.49	4.63	4.76
<b>Solid fuels</b>		0.71	0.27	0.14	0.08	0.09	0.11
<b>Oil</b>		3.49	1.89	1.17	1.38	1.48	1.62
<b>Gas</b>		2.38	1.01	1.09	1.36	1.41	1.36
<b>Nuclear</b>							
<b>Renewables</b>		1.05	1.26	1.19	1.48	1.43	1.41
<b>Other (****)</b>		0.31	0.19	0.15	0.19	0.22	0.26
<b>Elec. Generation (TWh)</b>		6.65	3.98	4.14	4.91	4.89	4.77
<b>Coal (TWh)</b>		0.06	0.10	0.08			0.00
<b>Oil (TWh)</b>		0.36	0.42	0.11	0.01	0.01	0.02
<b>Gas (TWh)</b>		1.73	0.53	1.13	1.49	2.10	1.92
<b>Nuclear (TWh)</b>							
<b>Renewables (TWh) (*)</b>		4.50	2.94	2.82	3.41	2.79	2.83
<b>Other (TWh) (***)</b>							
<b>Final Energy Consumption</b>		6.39	3.81	3.24	4.03	4.20	4.36
<b>by fuel/product</b>							
<b>Solid fuels</b>		0.32	0.12	0.06	0.07	0.08	0.09
<b>Oil</b>		2.06	1.16	1.06	1.33	1.47	1.61
<b>Gas</b>		0.67	0.37	0.33	0.51	0.51	0.52
<b>Electricity</b>		0.71	0.38	0.38	0.49	0.53	0.57
<b>Renewables</b>		0.62	0.88	0.82	1.02	1.02	1.01
<b>Derived heat &amp; Industrial waste</b>		2.01	0.91	0.59	0.60	0.59	0.57
<b>by sector</b>							
<b>INDUSTRY</b>		1.98	0.69	0.57	0.71	0.74	0.72
<b>TRANSPORT</b>		1.10	0.71	0.75	1.07	1.18	1.33
<b>HOUSEHOLDS</b>		1.59	1.60	1.33	1.51	1.49	1.47
<b>AGRICULTURE</b>		0.61	0.17	0.13	0.15	0.15	0.16
<b>SERVICES, ETC.</b>		1.11	0.64	0.47	0.59	0.63	0.68
<b>Non-Energy Uses</b>		0.08	0.05	0.08	0.09	0.10	0.11
<b>CO<sub>2</sub> Emissions (Mt) (**)</b>		21	10	7	9	9	9
<b>Energy intensity (toe/M€ '00)</b>		646	708	441	357	327	307
<b>Carbon intensity</b>		2.64	2.09	1.91	1.96	1.97	1.98
<b>Import dependency, %</b>		88.9	70.5	59.8	63.1	65.8	61.5
<b>Energy per capita (kgoe/cap)</b>		2 978	1 862	1 580	1 952	2 022	2 093
<b>CO<sub>2</sub> per capita (kg/cap)</b>		7 864	3 893	3 020	3 827	3 983	4 138

Notes: (\*) not including pumping; (\*\*) Source: European Environment Agency, July 2009; Including Bunkers; (\*\*\*) Pumped Storage Plants and Other Power Stations; (\*\*\*\*) Electrical Energy and Industrial Waste.

## Lithuania

	Mtoe	1990	1995	2000	2005	2006	2007
<b>Production</b>		4.74	3.70	3.19	3.70	3.26	3.53
<b>Solid fuels</b>		0.01	0.01	0.01	0.02	0.02	0.01
<b>Oil</b>		0.01	0.13	0.35	0.24	0.20	0.16
<b>Gas</b>							
<b>Nuclear</b>		4.39	3.05	2.17	2.67	2.23	2.54
<b>Renewables</b>		0.32	0.50	0.66	0.78	0.81	0.81
<b>Industrial waste</b>							
<b>Net Imports</b>		11.69	5.65	4.34	5.12	5.48	5.78
<b>Solid fuels</b>		0.76	0.16	0.09	0.19	0.26	0.23
<b>Oil</b>		7.28	3.69	2.31	2.70	2.79	2.69
<b>Gas</b>		4.68	2.03	2.06	2.49	2.48	2.98
<b>Electricity</b>		-1.03	-0.23	-0.11	-0.26	-0.04	-0.12
<b>Renewables</b>			0.00	-0.01	-0.01	-0.01	0.00
<b>Derived heat</b>							
<b>Gross Inland Consumption</b>		16.06	8.67	7.07	8.62	8.43	9.15
<b>Solid fuels</b>		0.80	0.25	0.10	0.20	0.27	0.27
<b>Oil</b>		6.90	3.09	2.20	2.77	2.72	2.76
<b>Gas</b>		4.68	2.03	2.06	2.48	2.45	2.89
<b>Nuclear</b>		4.39	3.05	2.17	2.67	2.23	2.54
<b>Renewables</b>		0.32	0.49	0.65	0.76	0.79	0.81
<b>Other (****)</b>		-1.03	-0.23	-0.11	-0.26	-0.04	-0.12
<b>Elec. Generation (TWh)</b>		28.41	13.90	11.42	14.78	12.48	14.01
<b>Coal (TWh)</b>						0.00	0.01
<b>Oil (TWh)</b>		4.15	1.07	0.66	0.40	0.33	0.41
<b>Gas (TWh)</b>		6.77	0.23	1.62	3.02	2.46	2.41
<b>Nuclear (TWh)</b>		17.03	11.82	8.42	10.34	8.65	9.83
<b>Renewables (TWh) (*)</b>		0.41	0.37	0.34	0.46	0.44	0.58
<b>Other (TWh) (**)</b>		0.04	0.41	0.40	0.57	0.60	0.77
<b>Final Energy Consumption</b>		9.68	4.59	3.74	4.46	4.73	4.96
<b>by fuel/product</b>							
<b>Solid fuels</b>		0.75	0.23	0.09	0.19	0.26	0.25
<b>Oil</b>		4.06	1.67	1.35	1.61	1.68	1.90
<b>Gas</b>		1.48	0.51	0.36	0.50	0.54	0.56
<b>Electricity</b>		1.03	0.55	0.53	0.68	0.72	0.76
<b>Renewables</b>		0.27	0.45	0.58	0.57	0.58	0.58
<b>Derived heat &amp; Industrial waste</b>		2.08	1.19	0.83	0.91	0.94	0.92
<b>by sector</b>							
<b>INDUSTRY</b>		3.33	1.02	0.78	0.99	1.05	1.06
<b>TRANSPORT</b>		2.00	1.04	1.05	1.41	1.51	1.79
<b>HOUSEHOLDS</b>		1.84	1.64	1.34	1.38	1.43	1.35
<b>AGRICULTURE</b>		0.80	0.20	0.10	0.11	0.11	0.12
<b>SERVICES, ETC.</b>		1.71	0.69	0.47	0.57	0.62	0.64
<b>Non-Energy Uses</b>		0.86	0.54	0.66	0.80	0.81	1.31
<b>CO<sub>2</sub> Emissions (Mt) (**)</b>		37	16	12	15	15	16
<b>Energy intensity (toe/M€'00)</b>		947	882	571	478	434	432
<b>Carbon intensity</b>		2.29	1.81	1.76	1.73	1.80	1.80
<b>Import dependency, %</b>		72.4	64.1	60.6	58.5	64.0	62.3
<b>Energy per capita (kgoe/cap)</b>		4 343	2 390	2 020	2 523	2 484	2 711
<b>CO<sub>2</sub> per capita (kg/cap)</b>		9 960	4 328	3 549	4 375	4 464	4 872

**Notes:** (\*) not including pumping; (\*\*) Source: European Environment Agency, July 2009; Including Bunkers; (\*\*\*) Pumped Storage Plants and Other Power Stations; (\*\*\*\*) Electrical Energy and Industrial Waste.

## Luxembourg

	Mtoe	1990	1995	2000	2005	2006	2007
<b>Production</b>		0.05	0.05	0.06	0.07	0.08	0.08
Solid fuels							
Oil							
Gas							
Nuclear							
Renewables		0.05	0.05	0.06	0.07	0.08	0.08
Industrial waste							
<b>Net Imports</b>		3.53	3.26	3.63	4.62	4.66	4.54
Solid fuels		1.13	0.51	0.13	0.08	0.11	0.08
Oil		1.63	1.76	2.34	3.08	3.01	2.88
Gas		0.43	0.56	0.67	1.18	1.23	1.20
Electricity		0.34	0.43	0.49	0.28	0.31	0.34
Renewables							0.03
Derived heat							
<b>Gross Inland Consumption</b>		3.56	3.34	3.64	4.71	4.71	4.65
Solid fuels		1.13	0.51	0.13	0.08	0.11	0.08
Oil		1.61	1.79	2.29	3.10	2.98	2.92
Gas		0.43	0.56	0.67	1.18	1.23	1.20
Nuclear							
Renewables		0.05	0.05	0.06	0.07	0.08	0.12
Other (****)		0.34	0.43	0.49	0.28	0.31	0.34
<b>Elec. Generation (TWh)</b>		1.38	1.24	1.18	4.13	4.33	4.00
Coal (TWh)							
Oil (TWh)		0.03	0.01				
Gas (TWh)		0.49	0.34	0.23	3.11	3.25	2.90
Nuclear (TWh)							
Renewables (TWh) (*)		0.11	0.14	0.20	0.24	0.27	0.30
Other (TWh) (***)		0.75	0.75	0.74	0.78	0.81	0.81
<b>Final Energy Consumption</b>		3.33	3.17	3.56	4.45	4.40	4.38
<b>by fuel/product</b>							
Solid fuels		0.76	0.37	0.12	0.08	0.11	0.08
Oil		1.59	1.76	2.28	3.08	2.96	2.90
Gas		0.62	0.58	0.62	0.68	0.68	0.71
Electricity		0.35	0.43	0.49	0.53	0.56	0.58
Renewables		0.02	0.02	0.02	0.02	0.02	0.05
Derived heat & Industrial waste			0.01	0.03	0.06	0.06	0.05
<b>by sector</b>							
INDUSTRY		1.73	1.20	0.96	0.94	1.02	0.96
TRANSPORT		1.01	1.31	1.88	2.72	2.63	2.62
HOUSEHOLDS		0.52	0.56	0.60	0.65	0.61	0.66
AGRICULTURE		0.01	0.01	0.01	0.03	0.03	0.03
SERVICES, ETC.		0.06	0.09	0.10	0.11	0.11	0.11
<b>Non-Energy Uses</b>		0.02	0.02	0.01	0.02	0.02	0.01
<b>CO<sub>2</sub> Emissions (Mt) (**)</b>		13	10	10	14	13	13
<b>Energy intensity (toe/M€ '00)</b>		265	205	165	180	169	159
<b>Carbon intensity</b>		3.52	2.98	2.72	2.90	2.86	2.83
<b>Import dependency, %</b>		99.0	97.7	99.8	98.0	98.9	97.5
<b>Energy per capita (kgoe/cap)</b>		9 325	8 156	8 294	10 133	9 971	9 697
<b>CO<sub>2</sub> per capita (kg/cap)</b>		32 831	24 317	22 525	29 342	28 530	27 443

Notes: (\*) not including pumping; (\*\*) Source: European Environment Agency, July 2009; Including Bunkers; (\*\*\*) Pumped Storage Plants and Other Power Stations; (\*\*\*\*) Electrical Energy and Industrial Waste.

## Hungary

	Mtoe	1990	1995	2000	2005	2006	2007
<b>Production</b>		14.16	13.47	11.21	10.68	10.52	10.22
<b>Solid fuels</b>		3.95	3.10	2.89	1.75	1.76	1.77
<b>Oil</b>		2.33	2.34	1.67	1.78	1.53	1.23
<b>Gas</b>		3.81	3.79	2.48	2.33	2.38	2.00
<b>Nuclear</b>		3.54	3.62	3.66	3.57	3.47	3.79
<b>Renewables</b>		0.52	0.63	0.52	1.22	1.35	1.40
<b>Industrial waste</b>					0.03	0.03	0.02
<b>Net Imports</b>		14.46	12.65	14.03	17.51	17.35	16.59
<b>Solid fuels</b>		1.68	1.40	1.09	1.30	1.22	1.38
<b>Oil</b>		6.65	5.52	5.37	5.87	6.11	6.29
<b>Gas</b>		5.17	5.53	7.28	9.81	9.42	8.56
<b>Electricity</b>		0.96	0.21	0.30	0.54	0.62	0.34
<b>Renewables</b>						-0.01	0.02
<b>Derived heat</b>							
<b>Gross Inland Consumption</b>		28.67	25.90	25.02	28.04	27.78	27.02
<b>Solid fuels</b>		5.96	4.55	3.97	3.05	3.04	3.14
<b>Oil</b>		8.77	7.72	6.92	7.54	7.82	7.61
<b>Gas</b>		8.91	9.17	9.66	12.09	11.46	10.70
<b>Nuclear</b>		3.54	3.62	3.66	3.57	3.47	3.79
<b>Renewables</b>		0.52	0.63	0.52	1.22	1.34	1.42
<b>Other (****)</b>		0.96	0.21	0.30	0.57	0.65	0.36
<b>Elec. Generation (TWh)</b>		28.47	34.11	35.19	35.76	35.86	39.96
<b>Coal (TWh)</b>		8.55	9.08	9.59	7.02	7.00	7.37
<b>Oil (TWh)</b>		1.35	5.28	4.40	0.46	0.52	0.54
<b>Gas (TWh)</b>		4.63	5.46	6.73	12.50	13.25	15.35
<b>Nuclear (TWh)</b>		13.73	14.03	14.18	13.83	13.46	14.68
<b>Renewables (TWh) (*)</b>		0.21	0.26	0.29	1.93	1.59	2.02
<b>Other (TWh) (**)</b>					0.01	0.04	0.01
<b>Final Energy Consumption</b>		19.17	15.70	15.74	18.11	18.02	16.95
<b>by fuel/product</b>							
<b>Solid fuels</b>		2.49	0.95	0.65	0.68	0.70	0.59
<b>Oil</b>		6.03	4.16	4.19	4.81	5.10	5.15
<b>Gas</b>		5.94	6.37	6.50	7.85	7.25	6.25
<b>Electricity</b>		2.72	2.39	2.53	2.78	2.86	2.90
<b>Renewables</b>		0.43	0.55	0.43	0.66	0.85	0.84
<b>Derived heat &amp; Industrial waste</b>		1.57	1.29	1.44	1.33	1.26	1.21
<b>by sector</b>							
<b>INDUSTRY</b>		6.51	3.80	3.45	3.42	3.46	3.38
<b>TRANSPORT</b>		3.03	2.66	3.26	4.20	4.68	4.67
<b>HOUSEHOLDS</b>		6.38	5.83	5.28	6.42	6.25	5.55
<b>AGRICULTURE</b>		1.13	0.65	0.70	0.58	0.42	0.49
<b>SERVICES, ETC.</b>		2.12	2.76	3.06	3.50	3.21	2.85
<b>Non-Energy Uses</b>		1.58	1.63	1.60	2.33	2.39	2.27
<b>CO<sub>2</sub> Emissions (Mt) (**)</b>		73	62	59	62	60	58
<b>Energy intensity (toe/ME '00)</b>			606	481	438	416	401
<b>Carbon intensity</b>		2.54	2.40	2.36	2.20	2.17	2.16
<b>Import dependency, %</b>		50.4	48.9	56.1	62.5	62.4	61.4
<b>Energy per capita (kgoe/cap)</b>		2 764	2 507	2 450	2 780	2 759	2 687
<b>CO<sub>2</sub> per capita (kg/cap)</b>		7 032	6 005	5 790	6 123	5 998	5 815

**Notes:** (\*) not including pumping; (\*\*) Source: European Environment Agency, July 2009; Including Bunkers; (\*\*\*) Pumped Storage Plants and Other Power Stations; (\*\*\*\*) Electrical Energy and Industrial Waste.



## Malta

	Mtoe	1990	1995	2000	2005	2006	2007
<b>Production</b>							
Solid fuels							
Oil							
Gas							
Nuclear							
Renewables							
Industrial waste							
<b>Net Imports</b>		0.61	0.89	1.47	1.60	1.65	1.79
Solid fuels							
Oil		0.61	0.89	1.47	1.60	1.65	1.79
Gas							
Electricity							
Renewables							
Derived heat							
<b>Gross Inland Consumption</b>		0.58	0.81	0.81	0.94	0.90	0.95
Solid fuels							
Oil		0.58	0.81	0.81	0.94	0.90	0.95
Gas							
Nuclear							
Renewables							
Other (****)							
<b>Elec. Generation (TWh)</b>		1.10	1.63	1.92	2.24	2.30	2.30
Coal (TWh)		0.62	0.09				
Oil (TWh)		0.49	1.54	1.92	2.24	2.30	2.30
Gas (TWh)							
Nuclear (TWh)							
Renewables (TWh) (*)							
Other (TWh) (***)							
<b>Final Energy Consumption</b>		0.33	0.45	0.41	0.46	0.43	0.43
<b>by fuel/product</b>							
Solid fuels							
Oil		0.25	0.34	0.28	0.32	0.28	0.27
Gas							
Electricity		0.08	0.11	0.13	0.15	0.16	0.16
Renewables							
Derived heat & Industrial waste							
<b>by sector</b>							
INDUSTRY			0.04	0.04	0.05	0.05	0.05
TRANSPORT		0.22	0.30	0.24	0.27	0.25	0.24
HOUSEHOLDS		0.06	0.07	0.08	0.09	0.08	0.08
AGRICULTURE							
SERVICES, ETC.		0.06	0.03	0.05	0.06	0.06	0.06
<b>Non-Energy Uses</b>		0.01					
<b>CO<sub>2</sub> Emissions (Mt) (**)</b>		2	2	2	8	5	5
<b>Energy intensity (toe/M€ '00)</b>			239	191	211	195	198
<b>Carbon intensity</b>		3.18	2.84	2.88	8.62	5.65	5.73
<b>Import dependency, %</b>		100.0	104.5	100.4	100.0	100.0	100.0
<b>Energy per capita (kgoe/cap)</b>		1 616	2 135	2 070	2 337	2 212	2 311
<b>CO<sub>2</sub> per capita (kg/cap)</b>		5 132	6 054	5 954	20 154	12 498	13 248

Notes: (\*) not including pumping; (\*\*) Source: European Environment Agency, July 2009; Including Bunkers; (\*\*\*) Pumped Storage Plants and Other Power Stations; (\*\*\*\*) Electrical Energy and Industrial Waste.

## Netherlands

	Mtoe	1990	1995	2000	2005	2006	2007
<b>Production</b>		60.56	66.30	57.43	61.90	60.76	61.69
<b>Solid fuels</b>							
Oil		4.11	3.62	2.47	2.35	2.08	3.35
Gas		54.61	60.46	51.90	56.27	55.39	54.76
Nuclear		0.88	1.04	1.01	1.03	0.89	1.08
Renewables		0.96	1.15	1.83	2.26	2.39	2.50
Industrial waste			0.03	0.21			
<b>Net Imports</b>		18.27	17.14	35.44	38.39	37.23	38.78
<b>Solid fuels</b>		9.57	8.92	8.22	8.31	8.11	8.81
Oil		31.70	33.61	42.78	48.87	47.88	49.40
Gas		-23.80	-26.37	-17.19	-20.94	-21.13	-21.46
Electricity		0.79	0.98	1.63	1.57	1.85	1.51
Renewables		0.00	0.00	0.01	0.58	0.52	0.53
Derived heat							
<b>Gross Inland Consumption</b>		67.96	74.53	77.04	82.48	80.55	84.54
<b>Solid fuels</b>		9.21	9.10	8.03	8.19	7.92	8.36
Oil		25.31	28.14	29.61	33.53	32.67	37.17
Gas		30.81	34.09	34.71	35.32	34.30	33.40
Nuclear		0.88	1.04	1.01	1.03	0.89	1.08
Renewables		0.96	1.15	1.84	2.83	2.91	3.02
Other (****)		0.79	1.01	1.84	1.57	1.85	1.51
<b>Elec. Generation (TWh)</b>		71.97	81.07	89.62	100.22	98.39	103.24
Coal (TWh)		25.05	26.08	22.60	23.50	23.74	24.92
Oil (TWh)		3.09	3.87	3.13	2.26	2.10	2.22
Gas (TWh)		39.14	44.83	54.56	61.28	59.43	62.58
Nuclear (TWh)		3.50	4.02	3.93	4.00	3.47	4.20
Renewables (TWh) (*)		1.19	1.96	4.23	8.92	9.51	9.15
Other (TWh) (**)			0.32	1.17	0.26	0.15	0.18
<b>Final Energy Consumption</b>		42.88	47.73	50.17	51.64	50.83	51.33
<b>by fuel/product</b>							
Solid fuels		1.65	1.42	1.30	1.51	1.24	1.47
Oil		12.85	14.72	16.51	17.41	17.35	18.56
Gas		21.24	22.52	21.01	20.34	20.22	18.96
Electricity		6.32	7.14	8.42	8.99	9.12	9.19
Renewables		0.37	0.36	0.38	0.41	0.48	0.76
Derived heat & Industrial waste		0.44	1.57	2.56	2.98	2.42	2.39
<b>by sector</b>							
INDUSTRY		12.54	12.68	13.75	14.93	13.43	14.57
TRANSPORT		10.38	12.44	13.86	15.11	15.61	15.78
HOUSEHOLDS		9.94	11.15	10.33	10.10	10.01	9.24
AGRICULTURE		3.37	4.37	3.95	4.04	3.94	4.15
SERVICES, ETC.		6.65	7.09	8.28	7.46	7.83	7.60
<b>Non-Energy Uses</b>		9.77	9.89	10.31	13.03	11.53	14.27
CO <sub>2</sub> Emissions (Mt) (**)		198	214	222	241	240	235
Energy intensity (toe/ME '00)		222	217	184	185	175	177
Carbon intensity		2.92	2.87	2.88	2.92	2.98	2.78
Import dependency, %		23.2	20.0	39.2	38.7	38.0	38.6
Energy per capita (kgoe/cap)		4 546	4 821	4 839	5 055	4 929	5 162
CO <sub>2</sub> per capita (kg/cap)		13 261	13 822	13 946	14 758	14 669	14 357

Notes: (\*) not including pumping; (\*\*) Source: European Environment Agency, July 2009; Including Bunkers; (\*\*\*) Pumped Storage Plants and Other Power Stations; (\*\*\*\*) Electrical Energy and Industrial Waste.

## Austria

	Mtoe	1990	1995	2000	2005	2006	2007
<b>Production</b>		8.21	8.71	9.82	9.98	10.44	10.93
<b>Solid fuels</b>		0.64	0.30	0.29	0.00	0.00	0.00
<b>Oil</b>		1.29	1.11	1.12	0.99	1.00	1.02
<b>Gas</b>		1.10	1.26	1.53	1.40	1.56	1.59
<b>Nuclear</b>							
<b>Renewables</b>		5.02	5.87	6.70	7.27	7.46	7.84
<b>Industrial waste</b>		0.16	0.17	0.18	0.32	0.42	0.48
<b>Net Imports</b>		17.31	18.04	19.11	24.66	25.03	23.35
<b>Solid fuels</b>		3.11	2.55	3.02	3.97	3.73	4.05
<b>Oil</b>		9.74	10.26	11.00	13.30	13.86	12.86
<b>Gas</b>		4.44	5.40	5.25	7.20	6.54	5.65
<b>Electricity</b>		-0.04	-0.21	-0.12	0.23	0.59	0.57
<b>Renewables</b>		0.05	0.03	-0.04	-0.04	0.30	0.21
<b>Derived heat</b>							
<b>Gross Inland Consumption</b>		25.26	27.06	29.12	34.32	34.77	33.81
<b>Solid fuels</b>		4.04	3.34	3.60	4.01	4.03	3.85
<b>Oil</b>		10.86	11.48	12.29	14.35	14.52	13.89
<b>Gas</b>		5.18	6.37	6.52	8.18	7.46	6.98
<b>Nuclear</b>							
<b>Renewables</b>		5.06	5.90	6.65	7.23	7.75	8.04
<b>Other (****)</b>		0.12	-0.05	0.07	0.55	1.01	1.04
<b>Elec. Generation (TWh)</b>		50.29	56.59	61.52	65.70	63.54	63.43
<b>Coal (TWh)</b>		6.19	4.32	5.73	7.17	7.03	6.26
<b>Oil (TWh)</b>		1.88	2.12	1.70	1.64	1.64	1.28
<b>Gas (TWh)</b>		8.54	9.77	8.79	14.33	11.99	11.20
<b>Nuclear (TWh)</b>							
<b>Renewables (TWh) (*)</b>		32.58	38.22	43.57	39.25	39.83	41.87
<b>Other (TWh) (***)</b>		1.11	2.16	1.73	3.30	3.04	2.82
<b>Final Energy Consumption</b>		19.13	21.06	23.18	27.25	27.36	26.54
<b>by fuel/product</b>							
<b>Solid fuels</b>		1.78	1.58	1.38	1.43	1.26	1.39
<b>Oil</b>		7.93	8.77	9.54	11.69	11.47	10.87
<b>Gas</b>		2.97	3.61	4.26	4.79	4.70	4.42
<b>Electricity</b>		3.63	3.95	4.42	4.84	4.94	4.94
<b>Renewables</b>		2.11	2.18	2.41	2.93	3.17	3.14
<b>Derived heat &amp; Industrial waste</b>		0.71	0.97	1.17	1.58	1.82	1.78
<b>by sector</b>							
<b>INDUSTRY</b>		5.99	6.20	6.98	7.91	8.38	8.52
<b>TRANSPORT</b>		5.03	5.81	6.88	8.99	8.69	8.83
<b>HOUSEHOLDS</b>		5.80	6.25	6.32	7.04	6.77	6.12
<b>AGRICULTURE</b>		0.60	0.55	0.57	0.64	0.62	0.60
<b>SERVICES, ETC.</b>		1.71	2.26	2.43	2.67	2.90	2.46
<b>Non-Energy Uses</b>		1.67	1.46	1.80	1.82	2.00	1.82
<b>CO<sub>2</sub> Emissions (Mt) (**)</b>		63	65	68	81	80	76
<b>Energy intensity (toe/M€ '00)</b>		156	151	140	152	149	141
<b>Carbon intensity</b>		2.49	2.41	2.32	2.36	2.29	2.26
<b>Import dependency, %</b>		68.5	66.6	65.6	71.9	72.0	69.1
<b>Energy per capita (kgoe/cap)</b>		3 290	3 404	3 635	4 168	4 198	4 066
<b>CO<sub>2</sub> per capita (kg/cap)</b>		8 201	8 215	8 444	9 834	9 615	9 182

Notes: (\*) not including pumping; (\*\*) Source: European Environment Agency, July 2009; Including Bunkers; (\*\*\*) Pumped Storage Plants and Other Power Stations; (\*\*\*\*) Electrical Energy and Industrial Waste.

## Poland

	Mtoe	1990	1995	2000	2005	2006	2007
<b>Production</b>		99.38	99.40	80.30	79.26	78.56	73.41
<b>Solid fuels</b>		94.46	91.10	71.30	68.88	67.58	62.49
Oil		0.18	0.36	1.43	1.49	1.46	1.50
Gas		2.38	3.17	3.31	3.88	3.88	3.90
Nuclear							
Renewables		1.60	3.92	3.81	4.55	5.05	5.02
Industrial waste		0.77	0.84	0.45	0.45	0.58	0.50
<b>Net Imports</b>		2.24	-0.16	10.16	16.60	19.49	25.06
<b>Solid fuels</b>		-18.97	-21.25	-16.35	-12.94	-12.35	-8.59
Oil		14.52	15.53	20.46	22.03	23.95	25.87
Gas		6.77	5.81	6.61	8.53	8.90	8.25
Electricity		-0.09	-0.24	-0.55	-0.96	-0.94	-0.46
Renewables					-0.06	-0.07	0.00
Derived heat							
<b>Gross Inland Consumption</b>		100.02	100.01	90.81	93.56	98.11	97.98
<b>Solid fuels</b>		75.35	70.45	56.32	54.73	56.99	55.51
Oil		13.45	16.05	20.83	22.60	24.13	25.06
Gas		8.94	8.99	9.96	12.23	12.37	12.38
Nuclear							
Renewables		1.60	3.92	3.80	4.50	4.99	4.99
Other (****)		0.68	0.60	-0.10	-0.51	-0.36	0.04
<b>Elec. Generation (TWh)</b>		136.31	138.99	145.18	156.94	161.74	159.35
Coal (TWh)		130.34	131.69	135.89	143.68	148.61	145.57
Oil (TWh)		1.57	1.52	1.92	2.39	2.44	2.30
Gas (TWh)		0.84	1.59	2.71	5.05	5.02	5.12
Nuclear (TWh)							
Renewables (TWh) (*)		1.87	2.24	2.33	4.17	4.31	5.43
Other (TWh) (**)		1.70	1.96	2.34	1.65	1.36	0.92
<b>Final Energy Consumption</b>		59.75	63.62	55.39	57.92	60.86	61.24
<b>by fuel/product</b>							
Solid fuels		17.17	23.39	13.80	11.44	12.45	11.93
Oil		9.14	11.62	14.91	17.84	18.41	19.31
Gas		7.99	7.73	7.45	8.40	8.61	8.77
Electricity		8.26	7.70	8.45	9.03	9.51	9.81
Renewables		1.11	3.73	3.53	3.84	4.24	4.08
Derived heat & Industrial waste		16.08	9.44	7.25	7.37	7.63	7.33
<b>by sector</b>							
INDUSTRY		25.34	22.79	18.96	16.53	17.37	17.96
TRANSPORT		7.36	8.28	9.20	12.08	13.43	14.80
HOUSEHOLDS		18.13	23.30	17.52	18.38	19.33	18.19
AGRICULTURE		3.13	4.89	4.68	4.41	3.79	3.49
SERVICES, ETC.		5.80	4.36	5.02	6.51	6.93	6.79
<b>Non-Energy Uses</b>		4.21	3.65	4.24	4.39	4.93	4.83
<b>CO<sub>2</sub> Emissions (Mt) (**)</b>		371	368	323	320	332	330
<b>Energy intensity (toe/ME '00)</b>		781	701	489	433	427	400
<b>Carbon intensity</b>		3.71	3.68	3.55	3.42	3.38	3.37
<b>Import dependency, %</b>		2.2	-0.2	11.2	17.7	19.8	25.5
<b>Energy per capita (kgoe/cap)</b>		2 646	2 613	2 374	2 452	2 573	2 571
<b>CO<sub>2</sub> per capita (kg/cap)</b>		9 807	9 611	8 432	8 390	8 701	8 667

Notes: (\*) not including pumping; (\*\*) Source: European Environment Agency, July 2009; Including Bunkers; (\*\*\*) Pumped Storage Plants and Other Power Stations; (\*\*\*\*) Electrical Energy and Industrial Waste.

## Portugal

	Mtoe	1990	1995	2000	2005	2006	2007
<b>Production</b>		3.40	3.32	3.83	3.58	4.33	4.62
<b>Solid fuels</b>		0.12					
<b>Oil</b>							
<b>Gas</b>							
<b>Nuclear</b>							
<b>Renewables</b>		3.28	3.32	3.83	3.58	4.32	4.61
<b>Industrial waste</b>					0.01	0.01	0.01
<b>Net Imports</b>		15.12	18.01	21.88	24.41	21.57	21.85
<b>Solid fuels</b>		2.79	3.80	3.91	3.22	3.49	2.90
<b>Oil</b>		12.33	14.14	15.85	16.71	13.95	14.54
<b>Gas</b>				2.04	3.89	3.66	3.76
<b>Electricity</b>		0.00	0.08	0.08	0.59	0.47	0.64
<b>Renewables</b>							
<b>Derived heat</b>							
<b>Gross Inland Consumption</b>		17.51	20.47	25.08	27.04	25.33	25.98
<b>Solid fuels</b>		2.58	3.49	3.80	3.35	3.31	2.89
<b>Oil</b>		11.64	13.58	15.34	15.77	13.59	14.05
<b>Gas</b>				2.03	3.75	3.64	3.81
<b>Nuclear</b>							
<b>Renewables</b>		3.28	3.32	3.83	3.58	4.32	4.58
<b>Other (****)</b>		0.00	0.08	0.08	0.59	0.47	0.65
<b>Elec. Generation (TWh)</b>		28.50	33.27	43.77	46.58	49.04	47.25
<b>Coal (TWh)</b>		9.06	13.41	14.60	15.23	14.96	12.40
<b>Oil (TWh)</b>		9.40	10.31	8.42	8.79	5.25	4.87
<b>Gas (TWh)</b>		0.05	0.05	7.23	13.61	12.34	13.12
<b>Nuclear (TWh)</b>							
<b>Renewables (TWh) (*)</b>		9.85	9.39	13.13	8.56	16.02	16.50
<b>Other (TWh) (***)</b>		0.15	0.11	0.39	0.40	0.48	0.36
<b>Final Energy Consumption</b>		11.81	13.79	17.69	18.72	18.54	18.81
<b>by fuel/product</b>							
<b>Solid fuels</b>		0.62	0.55	0.47	0.02	0.03	0.17
<b>Oil</b>		6.70	8.22	10.51	10.56	10.12	9.92
<b>Gas</b>		0.10	0.10	0.85	1.31	1.34	1.44
<b>Electricity</b>		2.02	2.48	3.30	3.98	4.11	4.22
<b>Renewables</b>		2.34	2.42	2.43	2.53	2.63	2.73
<b>Derived heat &amp; Industrial waste</b>		0.03	0.04	0.13	0.33	0.33	0.34
<b>by sector</b>							
<b>INDUSTRY</b>		4.73	4.97	6.24	5.69	5.69	5.89
<b>TRANSPORT</b>		3.74	4.87	6.54	7.06	7.14	7.21
<b>HOUSEHOLDS</b>		2.29	2.57	2.80	3.21	3.20	3.22
<b>AGRICULTURE</b>		0.46	0.48	0.71	0.57	0.32	0.26
<b>SERVICES, ETC.</b>		0.60	0.90	1.39	2.20	2.19	2.24
<b>Non-Energy Uses</b>		2.11	1.89	2.36	2.43	1.89	2.17
<b>CO<sub>2</sub> Emissions (Mt) (**)</b>		46	56	67	73	69	67
<b>Energy intensity (toe/M€ '00)</b>		190	204	205	212	196	197
<b>Carbon intensity</b>		2.65	2.73	2.69	2.72	2.73	2.58
<b>Import dependency, %</b>		83.5	86.0	85.0	88.4	83.1	82.0
<b>Energy per capita (kgoe/cap)</b>		1 754	2 041	2 452	2 563	2 394	2 448
<b>CO<sub>2</sub> per capita (kg/cap)</b>		4 650	5 574	6 588	6 963	6 545	6 318

Notes: (\*) not including pumping; (\*\*) Source: European Environment Agency, July 2009; Including Bunkers; (\*\*\*) Pumped Storage Plants and Other Power Stations; (\*\*\*\*) Electrical Energy and Industrial Waste.

## Romania

	Mtoe	1990	1995	2000	2005	2006	2007
<b>Production</b>		41.40	32.60	28.80	28.17	28.18	27.90
<b>Solid fuels</b>		7.94	7.89	5.88	5.79	6.48	6.86
<b>Oil</b>		7.95	7.11	6.42	6.17	5.78	5.00
<b>Gas</b>		22.91	14.45	10.97	9.70	9.56	9.23
<b>Nuclear</b>				1.41	1.43	1.45	1.99
<b>Renewables</b>		2.61	2.80	4.04	4.98	4.83	4.72
<b>Industrial waste</b>			0.36	0.09	0.09	0.08	0.11
<b>Net Imports</b>		22.61	14.53	8.13	10.84	11.90	12.82
<b>Solid fuels</b>		4.68	2.86	1.92	2.94	2.72	3.54
<b>Oil</b>		11.19	6.85	3.56	3.96	4.76	5.52
<b>Gas</b>		5.93	4.79	2.71	4.19	4.79	3.87
<b>Electricity</b>		0.81	0.03	-0.06	-0.25	-0.37	-0.18
<b>Renewables</b>							0.07
<b>Derived heat</b>							
<b>Gross Inland Consumption</b>		63.74	47.10	37.13	39.25	40.73	40.08
<b>Solid fuels</b>		12.37	10.78	7.77	8.80	9.52	10.19
<b>Oil</b>		19.11	13.89	10.19	10.30	10.83	10.25
<b>Gas</b>		28.84	19.24	13.68	13.94	14.44	12.98
<b>Nuclear</b>				1.41	1.43	1.45	1.99
<b>Renewables</b>		2.61	2.80	4.04	4.94	4.78	4.75
<b>Other (****)</b>		0.81	0.39	0.04	-0.16	-0.29	-0.07
<b>Elec. Generation (TWh)</b>		64.31	59.27	51.93	59.41	62.70	61.67
<b>Coal (TWh)</b>		22.54	20.59	18.93	21.92	25.15	25.10
<b>Oil (TWh)</b>		6.40	5.80	3.40	1.89	1.61	1.10
<b>Gas (TWh)</b>		21.38	16.18	9.38	9.83	11.95	11.77
<b>Nuclear (TWh)</b>				5.46	5.56	5.63	7.71
<b>Renewables (TWh) (*)</b>		13.88	16.70	14.78	20.21	18.36	16.01
<b>Other (TWh) (**)</b>		0.10			0.00		
<b>Final Energy Consumption</b>		37.05	26.79	22.52	24.68	24.77	24.02
<b>by fuel/product</b>							
<b>Solid fuels</b>		3.22	1.70	1.05	1.65	1.57	1.48
<b>Oil</b>		8.03	5.56	5.30	6.59	6.34	6.87
<b>Gas</b>		20.50	10.25	6.89	7.72	8.25	7.04
<b>Electricity</b>		4.69	3.13	2.92	3.34	3.52	3.52
<b>Renewables</b>		0.61	1.28	2.74	3.18	3.06	3.28
<b>Derived heat &amp; Industrial waste</b>			4.88	3.63	2.20	2.04	1.83
<b>by sector</b>							
<b>INDUSTRY</b>		25.30	15.03	9.12	9.99	9.56	9.13
<b>TRANSPORT</b>		4.41	3.06	3.38	4.20	4.34	4.66
<b>HOUSEHOLDS</b>		4.28	6.35	8.43	7.96	7.84	7.51
<b>AGRICULTURE</b>		2.24	1.00	0.39	0.21	0.26	0.26
<b>SERVICES, ETC.</b>		0.81	1.36	1.19	2.31	2.76	2.46
<b>Non-Energy Uses</b>		0.92	1.34	2.04	2.47	2.33	2.55
<b>CO<sub>2</sub> Emissions (Mt) (**)</b>		173	130	96	106	112	112
<b>Energy intensity (toe/M€'00)</b>		1 320	1 088	913	731	703	652
<b>Carbon intensity</b>		2.72	2.76	2.58	2.71	2.74	2.78
<b>Import dependency, %</b>		35.5	30.9	21.9	27.6	29.2	32.0
<b>Energy per capita (kgoe/cap)</b>		2 747	2 077	1 654	1 814	1 887	1 860
<b>CO<sub>2</sub> per capita (kg/cap)</b>		7 464	5 738	4 268	4 917	5 172	5 176

Notes: (\*) not including pumping; (\*\*) Source: European Environment Agency, July 2009; Including Bunkers; (\*\*\*) Pumped Storage Plants and Other Power Stations; (\*\*\*\*) Electrical Energy and Industrial Waste.

## Slovenia

	Mtoe	1990	1995	2000	2005	2006	2007
<b>Production</b>		2.90	3.02	3.09	3.49	3.43	3.45
<b>Solid fuels</b>		1.43	1.22	1.06	1.18	1.21	1.24
Oil		0.00	0.00	0.00			
Gas		0.02	0.02	0.01	0.00	0.00	0.00
Nuclear		1.19	1.25	1.23	1.52	1.43	1.47
Renewables		0.25	0.54	0.79	0.77	0.77	0.73
Industrial waste				0.00	0.01	0.02	0.01
<b>Net Imports</b>		2.57	3.06	3.38	3.82	3.84	3.88
<b>Solid fuels</b>		0.13	0.19	0.24	0.32	0.31	0.34
Oil		1.80	2.24	2.43	2.60	2.63	2.60
Gas		0.72	0.75	0.82	0.93	0.90	0.91
Electricity		-0.08	-0.14	-0.11	-0.03	0.00	0.02
Renewables			0.03			0.00	0.01
Derived heat							
<b>Gross Inland Consumption</b>		5.52	6.11	6.43	7.30	7.34	7.35
<b>Solid fuels</b>		1.64	1.40	1.30	1.54	1.56	1.61
Oil		1.75	2.29	2.39	2.55	2.66	2.59
Gas		0.76	0.75	0.83	0.93	0.90	0.91
Nuclear		1.19	1.25	1.23	1.52	1.43	1.47
Renewables		0.25	0.57	0.79	0.77	0.77	0.73
Other (****)		-0.08	-0.14	-0.11	-0.01	0.02	0.03
<b>Elec. Generation (TWh)</b>		12.44	12.65	13.62	15.12	15.12	15.04
Coal (TWh)		3.82	4.34	4.61	5.27	5.44	5.48
Oil (TWh)		0.57	0.26	0.06	0.04	0.05	0.03
Gas (TWh)		0.49	0.03	0.29	0.34	0.37	0.45
Nuclear (TWh)		4.62	4.78	4.76	5.88	5.55	5.70
Renewables (TWh) (*)		2.95	3.24	3.90	3.58	3.70	3.38
Other (TWh) (***)					0.01	0.01	0.01
<b>Final Energy Consumption</b>		3.37	3.95	4.44	4.89	4.94	4.87
<b>by fuel/product</b>							
Solid fuels		0.24	0.11	0.10	0.08	0.08	0.08
Oil		1.51	2.11	2.24	2.40	2.45	2.41
Gas		0.60	0.47	0.57	0.66	0.66	0.65
Electricity		0.84	0.81	0.90	1.10	1.13	1.13
Renewables			0.26	0.43	0.44	0.42	0.42
Derived heat & Industrial waste		0.18	0.19	0.20	0.21	0.20	0.18
<b>by sector</b>							
INDUSTRY		1.47	1.18	1.42	1.66	1.70	1.60
TRANSPORT		0.93	1.33	1.31	1.47	1.55	1.75
HOUSEHOLDS		0.85	1.18	1.12	1.19	1.16	1.05
AGRICULTURE				0.02	0.07	0.07	0.07
SERVICES, ETC.		0.12	0.26	0.56	0.50	0.46	0.40
<b>Non-Energy Uses</b>		0.01	0.12	0.24	0.31	0.32	0.31
<b>CO<sub>2</sub> Emissions (Mt) (**)</b>		15	15	15	17	17	17
<b>Energy intensity (toe/M€ '00)</b>		310	353	300	285	270	253
<b>Carbon intensity</b>		2.68	2.47	2.38	2.29	2.32	2.35
<b>Import dependency, %</b>		46.6	50.1	52.6	52.3	52.1	52.5
<b>Energy per capita (kgoe/cap)</b>		2 763	3 072	3 230	3 648	3 656	3 639
<b>CO<sub>2</sub> per capita (kg/cap)</b>		7 418	7 575	7 682	8 364	8 477	8 542

Notes: (\*) not including pumping; (\*\*) Source: European Environment Agency, July 2009; Including Bunkers; (\*\*\*) Pumped Storage Plants and Other Power Stations; (\*\*\*\*) Electrical Energy and Industrial Waste.

## Slovak Republic

	Mtoe	1990	1995	2000	2005	2006	2007
<b>Production</b>		5.25	4.86	6.07	6.63	6.66	6.02
<b>Solid fuels</b>		1.40	1.02	1.02	0.64	0.56	0.55
Oil		0.08	0.13	0.16	0.38	0.37	0.40
Gas		0.34	0.26	0.13	0.13	0.18	0.11
Nuclear		3.10	2.95	4.25	4.57	4.65	3.96
Renewables		0.33	0.50	0.51	0.88	0.89	0.98
Industrial waste					0.03	0.02	0.03
<b>Net Imports</b>		16.11	12.34	11.58	12.48	12.05	12.47
<b>Solid fuels</b>		6.07	4.13	3.44	3.74	3.60	3.82
Oil		4.24	3.56	2.67	3.31	3.47	3.52
Gas		5.35	4.53	5.71	5.75	5.19	4.98
Electricity		0.45	0.12	-0.23	-0.28	-0.20	0.15
Renewables					-0.04	-0.02	0.00
Derived heat							
<b>Gross Inland Consumption</b>		20.99	17.74	17.54	19.05	18.83	18.07
<b>Solid fuels</b>		7.78	5.42	4.26	4.23	4.46	4.01
Oil		4.24	3.54	2.99	3.75	3.67	3.85
Gas		5.09	5.22	5.78	5.92	5.38	5.09
Nuclear		3.10	2.95	4.25	4.57	4.65	3.96
Renewables		0.33	0.50	0.50	0.83	0.86	0.99
Other (****)		0.45	0.12	-0.23	-0.25	-0.18	0.18
<b>Elec. Generation (TWh)</b>		24.07	26.31	30.69	31.46	31.37	28.06
Coal (TWh)		7.51	5.96	5.58	5.54	5.31	4.80
Oil (TWh)		0.81	1.24	0.20	0.74	0.72	0.71
Gas (TWh)		1.20	2.45	3.43	2.63	2.33	2.04
Nuclear (TWh)		12.04	11.44	16.49	17.73	18.01	15.33
Renewables (TWh) (*)		1.88	4.96	4.73	4.70	4.83	4.96
Other (TWh) (**)		0.64	0.27	0.25	0.12	0.17	0.22
<b>Final Energy Consumption</b>		14.81	10.47	10.28	10.60	10.67	10.50
<b>by fuel/product</b>							
Solid fuels		4.37	2.36	1.52	1.51	1.64	1.45
Oil		3.29	1.62	1.71	2.17	2.11	2.20
Gas		4.32	3.91	4.54	3.65	3.72	3.52
Electricity		2.01	1.87	1.89	1.96	2.03	2.11
Renewables		0.17	0.00	0.00	0.33	0.33	0.46
Derived heat & Industrial waste		0.65	0.72	0.62	0.97	0.84	0.76
<b>by sector</b>							
INDUSTRY		6.76	4.12	3.83	4.47	4.52	4.39
TRANSPORT		1.44	1.41	1.45	1.79	1.82	2.02
HOUSEHOLDS		2.24	1.98	2.59	2.53	2.32	2.08
AGRICULTURE		0.70	0.30	0.21	0.16	0.14	0.14
SERVICES, ETC.		3.67	2.67	2.21	1.64	1.87	1.87
<b>Non-Energy Uses</b>		1.39	0.90	1.28	1.26	1.22	1.29
<b>CO<sub>2</sub> Emissions (Mt) (**)</b>		62	44	40	41	40	38
<b>Energy intensity (toe/ME '00)</b>			951	796	680	620	539
<b>Carbon intensity</b>		2.96	2.49	2.30	2.14	2.13	2.12
<b>Import dependency, %</b>		76.7	69.5	66.0	65.5	64.0	69.0
<b>Energy per capita (kgoe/cap)</b>		3 960	3 308	3 249	3 537	3 493	3 349
<b>CO<sub>2</sub> per capita (kg/cap)</b>		11 717	8 231	7 474	7 579	7 441	7 095

Notes: (\*) not including pumping; (\*\*) Source: European Environment Agency, July 2009; Including Bunkers; (\*\*\*) Pumped Storage Plants and Other Power Stations; (\*\*\*\*) Electrical Energy and Industrial Waste.



## Finland

	Mtoe	1990	1995	2000	2005	2006	2007
<b>Production</b>		11.86	13.17	14.99	16.47	18.11	16.08
<b>Solid fuels</b>		1.58	2.06	1.21	2.13	3.22	1.09
<b>Oil</b>			0.02	0.04	0.21	0.27	0.32
<b>Gas</b>							
<b>Nuclear</b>		5.01	4.96	5.80	6.00	5.91	6.04
<b>Renewables</b>		5.27	6.13	7.74	8.08	8.65	8.59
<b>Industrial waste</b>				0.21	0.05	0.05	0.05
<b>Net Imports</b>		18.12	15.65	18.59	19.31	20.95	20.47
<b>Solid fuels</b>		4.38	3.77	3.53	3.34	4.60	4.53
<b>Oil</b>		10.57	8.31	10.61	10.98	11.57	11.22
<b>Gas</b>		2.26	2.84	3.42	3.60	3.88	3.72
<b>Electricity</b>		0.92	0.72	1.02	1.46	0.98	1.08
<b>Renewables</b>					-0.08	-0.08	-0.07
<b>Derived heat</b>							
<b>Gross Inland Consumption</b>		29.05	29.07	32.54	34.67	37.83	37.63
<b>Solid fuels</b>		5.33	5.95	5.09	4.92	7.45	7.21
<b>Oil</b>		10.03	8.45	9.27	10.63	10.98	11.01
<b>Gas</b>		2.26	2.84	3.42	3.60	3.88	3.72
<b>Nuclear</b>		5.01	4.96	5.80	6.00	5.91	6.04
<b>Renewables</b>		5.51	6.15	7.74	8.00	8.58	8.52
<b>Other (****)</b>		0.92	0.72	1.23	1.52	1.03	1.13
<b>Elec. Generation (TWh)</b>		54.36	64.06	69.99	70.55	82.30	81.25
<b>Coal (TWh)</b>		12.75	16.62	12.50	10.97	22.96	21.37
<b>Oil (TWh)</b>		1.68	1.45	0.61	0.50	0.48	0.47
<b>Gas (TWh)</b>		4.83	7.21	10.78	11.94	12.96	11.13
<b>Nuclear (TWh)</b>		19.22	19.22	22.48	23.27	22.91	23.42
<b>Renewables (TWh) (*)</b>		15.89	19.57	23.30	23.56	22.51	24.43
<b>Other (TWh) (***)</b>				0.32	0.31	0.48	0.42
<b>Final Energy Consumption</b>		21.76	22.07	24.17	25.24	26.75	26.58
<b>by fuel/product</b>							
<b>Solid fuels</b>		1.62	1.28	1.10	0.97	0.96	0.93
<b>Oil</b>		8.13	7.59	7.53	8.00	8.24	8.13
<b>Gas</b>		1.50	1.52	1.33	1.16	1.28	1.25
<b>Electricity</b>		5.07	5.61	6.49	6.96	7.38	7.40
<b>Renewables</b>		3.52	3.94	4.93	4.54	4.43	4.50
<b>Derived heat &amp; Industrial waste</b>		1.91	2.13	2.80	3.62	4.47	4.37
<b>by sector</b>							
<b>INDUSTRY</b>		9.62	9.99	12.05	12.09	13.36	12.93
<b>TRANSPORT</b>		4.32	4.16	4.46	4.82	4.95	5.15
<b>HOUSEHOLDS</b>		5.33	5.43	4.54	4.85	4.94	5.01
<b>AGRICULTURE</b>		0.93	0.75	0.75	0.76	0.79	0.79
<b>SERVICES, ETC.</b>		1.56	1.73	2.39	2.72	2.71	2.71
<b>Non-Energy Uses</b>		1.49	1.20	0.95	1.05	0.88	1.43
<b>CO<sub>2</sub> Emissions (Mt) (**)</b>		59	60	60	59	71	69
<b>Energy intensity (toe/M€ '00)</b>		268	278	246	232	241	230
<b>Carbon intensity</b>		2.05	2.06	1.84	1.71	1.88	1.84
<b>Import dependency, %</b>		61.2	53.2	56.0	54.9	54.6	53.8
<b>Energy per capita (kgoe/cap)</b>		5 826	5 691	6 287	6 609	7 183	7 115
<b>CO<sub>2</sub> per capita (kg/cap)</b>		11 927	11 715	11 560	11 305	13 475	13 095

Notes: (\*) not including pumping; (\*\*) Source: European Environment Agency, July 2009; Including Bunkers; (\*\*\*) Pumped Storage Plants and Other Power Stations; (\*\*\*\*) Electrical Energy and Industrial Waste.

## Sweden

	Mtoe	1990	1995	2000	2005	2006	2007
<b>Production</b>		29.66	31.34	30.01	34.21	32.34	33.10
<b>Solid fuels</b>		0.15	0.22	0.16	0.21	0.19	0.15
Oil		0.00	0.00				
Gas							
Nuclear		17.76	18.04	14.78	18.67	17.28	17.27
Renewables		11.74	13.07	15.04	15.28	14.81	15.64
Industrial waste		0.00	0.00	0.03	0.04	0.06	0.03
<b>Net Imports</b>		18.04	19.40	19.29	20.18	19.80	18.98
<b>Solid fuels</b>		2.40	2.75	2.41	2.56	2.34	2.49
Oil		15.21	16.04	15.70	17.42	16.06	15.46
Gas		0.58	0.75	0.78	0.84	0.88	0.91
Electricity		-0.15	-0.14	0.40	-0.64	0.52	0.11
Renewables							
Derived heat							
<b>Gross Inland Consumption</b>		47.21	50.40	47.90	51.69	50.34	50.56
<b>Solid fuels</b>		2.68	2.89	2.44	2.63	2.69	2.66
Oil		14.60	15.79	14.43	14.86	14.10	13.94
Gas		0.58	0.75	0.78	0.84	0.88	0.91
Nuclear		17.76	18.04	14.78	18.67	17.28	17.27
Renewables		11.74	13.07	15.04	15.28	14.81	15.64
Other (****)		-0.15	-0.14	0.43	-0.59	0.58	0.14
<b>Elec. Generation (TWh)</b>		146.92	148.38	145.59	158.44	143.30	148.85
Coal (TWh)		1.74	2.45	1.64	0.65	0.88	0.65
Oil (TWh)		1.20	3.95	1.73	1.38	1.67	1.08
Gas (TWh)		0.40	1.34	1.42	1.32	1.24	1.48
Nuclear (TWh)		68.19	69.94	57.32	72.38	66.98	66.97
Renewables (TWh) (*)		74.63	70.65	83.25	82.05	71.92	78.17
Other (TWh) (**)		0.76	0.06	0.24	0.67	0.61	0.50
<b>Final Energy Consumption</b>		30.55	33.73	34.45	33.74	33.22	33.45
<b>by fuel/product</b>							
Solid fuels		1.23	1.19	1.14	1.35	1.20	1.30
Oil		12.04	12.60	12.73	11.34	10.66	10.55
Gas		0.59	0.61	0.67	0.76	0.86	0.76
Electricity		10.35	10.71	11.07	11.38	11.25	11.42
Renewables		4.63	5.07	5.29	4.73	5.07	5.33
Derived heat & Industrial waste		1.71	3.54	3.55	4.17	4.18	4.09
<b>by sector</b>							
INDUSTRY		11.86	12.63	13.16	12.66	12.76	12.83
TRANSPORT		7.28	7.68	8.15	8.61	8.57	8.80
HOUSEHOLDS		6.54	7.74	7.55	7.30	7.00	6.73
AGRICULTURE		0.87	0.84	0.85	0.80	0.78	0.76
SERVICES, ETC.		4.00	4.86	4.74	4.37	4.10	4.34
<b>Non-Energy Uses</b>		1.79	1.79	1.47	2.26	2.39	2.43
CO <sub>2</sub> Emissions (Mt) (**)		60	63	60	62	62	61
Energy intensity (toe/M€'00)		216	223	180	171	160	156
Carbon intensity		1.27	1.25	1.25	1.19	1.23	1.21
Import dependency, %		37.7	37.7	39.2	37.6	37.8	36.1
Energy per capita (kgoe/cap)		5 516	5 710	5 399	5 724	5 544	5 527
CO <sub>2</sub> per capita (kg/cap)		6 989	7 129	6 770	6 813	6 813	6 694

Notes: (\*) not including pumping; (\*\*) Source: European Environment Agency, July 2009; Including Bunkers; (\*\*\*) Pumped Storage Plants and Other Power Stations; (\*\*\*\*) Electrical Energy and Industrial Waste.

## United Kingdom

	Mtoe	1990	1995	2000	2005	2006	2007
<b>Production</b>		205.94	250.52	269.60	203.29	184.68	174.39
<b>Solid fuels</b>		54.13	30.52	18.58	12.17	10.67	10.03
Oil		93.25	133.04	128.89	86.71	78.29	78.48
Gas		40.93	63.71	97.55	79.40	72.01	64.91
Nuclear		16.57	21.25	21.94	21.05	19.46	16.26
Renewables		1.05	1.95	2.60	3.60	3.95	4.37
Industrial waste		0.02	0.05	0.04	0.35	0.30	0.35
<b>Net Imports</b>		5.72	-36.23	-39.25	32.15	49.37	45.00
<b>Solid fuels</b>		9.12	10.49	14.58	27.46	31.28	26.90
Oil		-10.61	-48.77	-45.73	-2.41	7.50	0.75
Gas		6.18	0.64	-9.31	5.97	9.55	16.63
Electricity		1.03	1.40	1.22	0.72	0.65	0.45
Renewables					0.41	0.40	0.28
Derived heat							
<b>Gross Inland Consumption</b>		211.30	218.44	231.87	232.75	229.14	221.09
<b>Solid fuels</b>		64.30	45.87	36.82	38.16	41.09	38.71
Oil		81.12	82.81	81.86	82.97	82.26	78.71
Gas		47.20	65.12	87.40	85.47	81.06	81.96
Nuclear		16.57	21.25	21.94	21.05	19.46	16.26
Renewables		1.05	1.95	2.60	4.02	4.32	4.65
Other (****)		1.04	1.45	1.25	1.07	0.95	0.80
<b>Elec. Generation (TWh)</b>		318.96	334.04	377.07	398.36	397.85	396.14
<b>Coal (TWh)</b>		204.92	157.24	119.95	134.64	149.35	136.69
<b>Oil (TWh)</b>		33.70	12.48	8.45	5.34	5.73	4.69
<b>Gas (TWh)</b>		5.08	66.57	150.43	154.30	142.99	166.11
<b>Nuclear (TWh)</b>		65.75	88.96	85.06	81.62	75.45	63.03
<b>Renewables (TWh) (*)</b>		5.85	6.90	10.38	17.48	18.77	20.37
<b>Other (TWh) (***)</b>		3.66	1.89	2.80	4.99	5.56	5.26
<b>Final Energy Consumption</b>		137.08	142.63	152.18	152.33	150.44	147.93
<b>by fuel/product</b>							
<b>Solid fuels</b>		12.27	8.89	5.68	4.42	4.51	4.62
<b>Oil</b>		58.90	60.40	62.95	65.91	66.27	65.74
<b>Gas</b>		41.89	47.14	52.18	50.29	47.98	46.02
<b>Electricity</b>		23.60	25.27	28.33	29.79	29.64	29.40
<b>Renewables</b>		0.41	0.88	0.57	0.65	0.78	1.02
<b>Derived heat &amp; Industrial waste</b>		0.02	0.05	2.47	1.27	1.25	1.13
<b>by sector</b>							
<b>INDUSTRY</b>		34.98	35.15	36.42	34.42	33.61	32.74
<b>TRANSPORT</b>		45.54	47.03	52.31	55.21	55.95	56.21
<b>HOUSEHOLDS</b>		37.94	39.57	43.07	43.52	42.14	40.58
<b>AGRICULTURE</b>		1.27	1.27	1.16	0.94	0.86	0.82
<b>SERVICES, ETC.</b>		17.35	19.62	19.21	18.25	17.88	17.58
<b>Non-Energy Uses</b>		11.37	12.76	11.32	11.24	10.98	8.86
<b>CO<sub>2</sub> Emissions (Mt) (**)</b>		611	577	586	595	594	585
<b>Energy intensity (toe/M€ '00)</b>		169	161	145	129	123	115
<b>Carbon intensity</b>		2.89	2.64	2.53	2.56	2.59	2.65
<b>Import dependency, %</b>		2.7	-16.4	-16.8	13.7	21.3	20.1
<b>Energy per capita (kgoe/cap)</b>		3 692	3 765	3 938	3 865	3 782	3 637
<b>CO<sub>2</sub> per capita (kg/cap)</b>		10 677	9 950	9 952	9 880	9 807	9 626

**Notes:** (\*) not including pumping; (\*\*) Source: European Environment Agency, July 2009; Including Bunkers; (\*\*\*) Pumped Storage Plants and Other Power Stations; (\*\*\*\*) Electrical Energy and Industrial Waste.

## 2.7.1

## Croatia

Mtoe	1990	1995	2000	2005	2006	2007
<b>Production</b>	2.58	4.15	3.57	3.78	4.13	4.03
<b>Solid fuels</b>	0.10	0.05				
Oil		1.78	1.33	1.02	0.98	0.94
Gas	1.62	1.61	1.35	1.87	2.22	2.36
<b>Nuclear</b>						
<b>Renewables</b>	0.86	0.72	0.88	0.90	0.93	0.74
<b>Industrial waste</b>						
<b>Net Imports</b>	1.81	2.92	4.18	5.25	4.88	5.34
<b>Solid fuels</b>	0.62	0.16	0.48	0.62	0.69	0.70
Oil		2.24	2.45	3.63	3.56	3.88
Gas	0.58	0.22	0.91	0.56	0.19	0.25
<b>Electricity</b>	0.61	0.30	0.34	0.44	0.48	0.55
<b>Renewables</b>					-0.05	-0.04
<b>Derived heat</b>						
<b>Gross Inland Consumption</b>	4.49	7.09	7.83	8.93	8.96	9.35
<b>Solid fuels</b>	0.82	0.19	0.44	0.68	0.63	0.69
Oil		3.95	3.96	4.53	4.61	4.72
Gas	2.19	1.93	2.21	2.38	2.35	2.70
<b>Nuclear</b>						
<b>Renewables</b>	0.86	0.72	0.88	0.90	0.88	0.69
<b>Other (****)</b>	0.61	0.30	0.34	0.44	0.48	0.55
<b>Elec. Generation (TWh)</b>	8.69	8.86	10.70	12.46	12.43	12.25
<b>Coal (TWh)</b>	0.60	0.24	1.55	2.33	2.26	2.42
<b>Oil (TWh)</b>	2.95	2.46	1.69	1.86	1.96	2.32
<b>Gas (TWh)</b>	1.39	0.89	1.57	1.81	2.06	3.06
<b>Nuclear (TWh)</b>						
<b>Renewables (TWh) (*)</b>	3.75	5.27	5.88	6.36	6.03	4.28
<b>Other (TWh) (***)</b>	0.01		0.02	0.11	0.12	0.17
<b>Final Energy Consumption by fuel/product</b>	3.36	4.48	5.35	6.33	6.44	6.46
<b>Solid fuels</b>	0.51	0.12	0.07	0.15	0.13	0.15
Oil		2.09	2.67	3.09	3.22	3.24
Gas	0.89	0.91	1.01	1.24	1.20	1.20
<b>Electricity</b>	1.14	0.85	1.01	1.23	1.29	1.32
<b>Renewables</b>	0.54	0.26	0.37	0.35	0.36	0.32
<b>Derived heat &amp; Industrial waste</b>	0.29	0.25	0.21	0.26	0.23	0.22
<b>by sector</b>						
<b>INDUSTRY</b>	1.67	1.26	1.39	1.58	1.64	1.65
<b>TRANSPORT</b>	0.03	1.19	1.53	1.91	2.03	2.17
<b>HOUSEHOLDS</b>	1.30	1.40	1.66	1.93	1.86	1.72
<b>AGRICULTURE</b>	0.03	0.20	0.29	0.24	0.24	0.24
<b>SERVICES, ETC.</b>	0.33	0.43	0.47	0.67	0.67	0.67
<b>Non-Energy Uses</b>	0.37	0.82	0.68	0.71	0.69	0.76
<b>CO<sub>2</sub> Emissions (Mt) (**)</b>	24	17	20	24	24	25
<b>Energy intensity (toe/M€'00)</b>		359	339	310	296	293
<b>Carbon intensity</b>	5.25	2.43	2.58	2.66	2.66	2.69
<b>Import dependency, %</b>	40.2	41.0	53.3	58.6	54.3	56.9
<b>Energy per capita (kgoe/cap)</b>	939	1 549	1 764	2 011	2 018	2 107
<b>CO<sub>2</sub> per capita (kg/cap)</b>	4 927	3 759	4 546	5 340	5 362	5 673

**Notes:** (\*) not including pumping; (\*\*) Source: European Environment Agency, July 2009; Including Bunkers; (\*\*\*) Pumped Storage Plants and Other Power Stations; (\*\*\*\*) Electrical Energy and Industrial Waste.

## Former Yugoslav Republic of Macedonia

	Mtoe	1990	1995	2000	2005	2006	2007
<b>Production</b>			1.70	1.60	1.58	1.62	1.62
<b>Solid fuels</b>					1.30	1.29	
Oil							
Gas							
Nuclear							
Renewables							
Industrial waste							
<b>Net Imports</b>			1.10	1.10	1.20	1.26	1.32
<b>Solid fuels</b>							
Oil							
Gas							
Electricity							
Renewables							
Derived heat							
<b>Gross Inland Consumption</b>			2.70	2.80	2.70	2.87	2.93
<b>Solid fuels</b>							
Oil							
Gas							
Nuclear							
Renewables							
Other (****)							
<b>Elec. Generation (TWh)</b>			6.10	6.80	6.90	7.00	
Coal (TWh)							
Oil (TWh)							
Gas (TWh)							
Nuclear (TWh)							
Renewables (TWh) (*)							
Other (TWh) (***)							
<b>Final Energy Consumption</b>							
<b>by fuel/product</b>							
Solid fuels							
Oil							
Gas							
Electricity							
Renewables							
Derived heat & Industrial waste							
<b>by sector</b>							
INDUSTRY							
TRANSPORT							
HOUSEHOLDS							
AGRICULTURE							
SERVICES, ETC.							
<b>Non-Energy Uses</b>							
CO <sub>2</sub> Emissions (Mt) (**)							
<b>Energy intensity (toe/M€ '00)</b>				710	685	673	
CO <sub>2</sub> intensity (tCO <sub>2</sub> /toe)							
<b>Import dependency, %</b>							
Energy per capita (kgoe/cap)							
CO <sub>2</sub> per capita (kg/cap)							

**Notes:** (\*) not including pumping; (\*\*) Source: European Environment Agency, July 2009; Including Bunkers; (\*\*\*) Pumped Storage Plants and Other Power Stations; (\*\*\*\*) Electrical Energy and Industrial Waste.

## Turkey

	Mtoe	1990	1995	2000	2005	2006	2007
<b>Production</b>		25.97	26.54	26.82	23.65	26.57	27.31
<b>Solid fuels</b>		12.41	12.08	13.36	10.48	13.08	14.79
<b>Oil</b>		3.72	3.53	2.77	2.27	2.17	2.15
<b>Gas</b>		0.17	0.15	0.53	0.74	0.75	0.74
<b>Nuclear</b>							
<b>Renewables</b>		9.66	10.78	10.15	10.13	10.54	9.60
<b>Industrial waste</b>				0.02	0.03	0.03	0.03
<b>Net Imports</b>		27.35	36.88	51.06	62.14	69.29	76.10
<b>Solid fuels</b>		4.21	4.48	9.25	11.72	13.58	14.64
<b>Oil</b>		20.52	26.80	29.47	28.39	30.68	31.83
<b>Gas</b>		2.68	5.67	12.05	22.13	25.18	29.77
<b>Electricity</b>		-0.06	-0.06	0.29	-0.10	-0.14	-0.13
<b>Renewables</b>							
<b>Derived heat</b>							
<b>Gross Inland Consumption</b>		52.37	62.16	77.62	85.34	94.66	101.51
<b>Solid fuels</b>		16.92	16.62	23.35	22.30	26.59	29.39
<b>Oil</b>		23.00	29.04	31.19	30.20	31.67	32.20
<b>Gas</b>		2.86	5.79	12.64	22.79	25.97	30.42
<b>Nuclear</b>							
<b>Renewables</b>		9.66	10.78	10.15	10.13	10.54	9.60
<b>Other (****)</b>		-0.06	-0.06	0.30	-0.07	-0.12	-0.10
<b>Elec. Generation (TWh)</b>		57.54	86.25	124.92	161.96	176.30	191.56
<b>Coal (TWh)</b>		20.18	27.41	37.33	42.20	45.61	52.33
<b>Oil (TWh)</b>		3.94	5.77	9.31	5.48	4.34	6.53
<b>Gas (TWh)</b>		10.19	17.22	47.07	74.44	81.73	96.12
<b>Nuclear (TWh)</b>							
<b>Renewables (TWh) (*)</b>		23.23	35.85	31.15	39.75	44.52	36.46
<b>Other (TWh) (**)</b>				0.05	0.09	0.10	0.12
<b>Final Energy Consumption</b>		38.58	44.72	55.48	63.24	69.05	72.83
<b>by fuel/product</b>							
<b>Solid fuels</b>		8.04	6.67	10.78	11.28	13.30	14.46
<b>Oil</b>		17.92	22.44	23.20	23.24	23.03	23.48
<b>Gas</b>		1.16	2.64	5.53	10.18	12.99	14.41
<b>Electricity</b>		3.87	5.60	8.24	11.05	12.15	13.12
<b>Renewables</b>		7.60	7.37	7.34	6.63	6.63	6.33
<b>Derived heat &amp; Industrial waste</b>				0.39	0.85	0.96	1.03
<b>by sector</b>							
<b>INDUSTRY</b>		12.03	13.23	21.01	22.49	24.72	24.86
<b>TRANSPORT</b>		9.39	11.93	12.24	13.40	14.88	16.95
<b>HOUSEHOLDS</b>		14.56	15.78	17.00	19.31	20.08	20.73
<b>AGRICULTURE</b>		1.95	2.65	2.92	3.30	3.53	3.87
<b>SERVICES, ETC.</b>		0.66	1.12	2.31	4.74	5.84	6.43
<b>Non-Energy Uses</b>		2.81	3.83	3.52	4.43	5.77	5.84
<b>CO<sub>2</sub> Emissions (Mt) (**)</b>		140	172	224	256	274	304
<b>Energy intensity (toe/M€'00)</b>		259	262	268	236	244	250
<b>Carbon intensity</b>		2.67	2.76	2.88	3.00	2.89	3.00
<b>Import dependency, %</b>		52.1	59.2	65.4	71.9	72.5	74.4
<b>Energy per capita (kgoe/cap)</b>		933	1 006	1 151	1 184	1 297	1 438
<b>CO<sub>2</sub> per capita (kg/cap)</b>		2 486	2 782	3 320	3 558	3 751	4 314

**Notes:** (\*) not including pumping; (\*\*) Source: European Environment Agency, July 2009; Including Bunkers; (\*\*\*) Pumped Storage Plants and Other Power Stations; (\*\*\*\*) Electrical Energy and Industrial Waste.

## Iceland

	Mtoe	1990	1995	2000	2005	2006	2007
<b>Production</b>		1.40	1.57	2.31	2.64	3.26	
<b>Solid fuels</b>							
<b>Oil</b>							
<b>Gas</b>							
<b>Nuclear</b>							
<b>Renewables</b>		1.40	1.57	2.31	2.64	3.26	
<b>Industrial waste</b>							
<b>Net Imports</b>		0.79	0.80	1.04	1.06	1.10	
<b>Solid fuels</b>		0.06	0.06	0.10	0.10	0.10	
<b>Oil</b>		0.73	0.75	0.94	0.96	1.00	
<b>Gas</b>							
<b>Electricity</b>							
<b>Renewables</b>							
<b>Derived heat</b>							
<b>Gross Inland Consumption</b>		2.16	2.32	3.23	3.62	4.35	
<b>Solid fuels</b>		0.06	0.06	0.10	0.10	0.10	
<b>Oil</b>		0.70	0.70	0.83	0.88	0.99	
<b>Gas</b>							
<b>Nuclear</b>							
<b>Renewables</b>		1.40	1.57	2.31	2.64	3.26	
<b>Other (****)</b>							
<b>Elec. Generation (TWh)</b>		4.51	4.98	7.68	8.69	9.93	
<b>Coal (TWh)</b>							
<b>Oil (TWh)</b>		0.01	0.01	0.01	0.01	0.00	
<b>Gas (TWh)</b>							
<b>Nuclear (TWh)</b>							
<b>Renewables (TWh) (*)</b>		4.50	4.97	7.68	8.68	9.93	
<b>Other (TWh) (***)</b>							
<b>Final Energy Consumption</b>		1.65	1.71	2.12	2.20	2.38	
<b>by fuel/product</b>							
<b>Solid fuels</b>		0.06	0.06	0.10	0.10	0.10	
<b>Oil</b>		0.60	0.63	0.70	0.72	0.79	
<b>Gas</b>							
<b>Electricity</b>		0.34	0.37	0.59	0.67	0.77	
<b>Renewables</b>		0.55	0.48	0.55	0.52	0.50	
<b>Derived heat &amp; Industrial waste</b>		0.10	0.18	0.17	0.20	0.21	
<b>by sector</b>							
<b>INDUSTRY</b>		0.42	0.44	0.72	0.77	0.85	
<b>TRANSPORT</b>		0.28	0.27	0.34	0.36	0.48	
<b>HOUSEHOLDS</b>		0.58	0.57	0.60	0.61	0.62	
<b>AGRICULTURE</b>		0.28	0.32	0.31	0.30	0.26	
<b>SERVICES, ETC.</b>		0.09	0.11	0.14	0.16	0.17	
<b>Non-Energy Uses</b>		0.07	0.07	0.13	0.16	0.19	
<b>CO<sub>2</sub> Emissions (Mt) (**)</b>		2	3	3	3	4	4
<b>Energy intensity (toe/M€ '00)</b>		295	313	343	311	358	
<b>Carbon intensity</b>		1.15	1.16	1.05	0.94	0.85	
<b>Import dependency, %</b>		36.0	33.9	31.4	28.9	25.1	
<b>Energy per capita (kgoe/cap)</b>		8 482	8 675	11 503	12 185	14 315	
<b>CO<sub>2</sub> per capita (kg/cap)</b>		9 726	10 068	12 046	11 445	12 097	13 105

Notes: (\*) not including pumping; (\*\*) Source: European Environment Agency, July 2009; Including Bunkers; (\*\*\*) Pumped Storage Plants and Other Power Stations; (\*\*\*\*) Electrical Energy and Industrial Waste.

## Norway

	Mtoe	1990	1995	2000	2005	2006	2007
<b>Production</b>		120.32	182.06	225.00	234.04	223.66	216.03
<b>Solid fuels</b>		0.20	0.19	0.43	0.99	1.61	2.68
<b>Oil</b>		84.50	142.03	165.45	143.77	132.02	122.37
<b>Gas</b>		24.15	28.26	45.82	76.28	78.41	78.08
<b>Nuclear</b>							
<b>Renewables</b>		11.47	11.57	13.30	12.99	11.61	12.88
<b>Industrial waste</b>			0.00	0.01	0.01	0.01	0.02
<b>Net Imports</b>		-96.39	-157.12	-198.28	-200.64	-197.56	-188.45
<b>Solid fuels</b>		0.67	0.85	0.60	-0.41	-0.90	-1.55
<b>Oil</b>		-73.52	-132.61	-155.06	-128.10	-123.09	-112.84
<b>Gas</b>		-22.17	-24.80	-42.19	-71.12	-73.68	-73.26
<b>Electricity</b>		-1.37	-0.57	-1.64	-1.04	0.07	-0.86
<b>Renewables</b>				0.00	0.02	0.04	0.06
<b>Derived heat</b>							
<b>Gross Inland Consumption</b>		21.61	23.74	26.12	32.27	25.04	27.69
<b>Solid fuels</b>		0.86	1.02	1.08	0.78	0.71	0.75
<b>Oil</b>		8.67	8.26	9.74	14.34	7.86	10.02
<b>Gas</b>		1.98	3.46	3.63	5.16	4.74	4.82
<b>Nuclear</b>							
<b>Renewables</b>		11.47	11.57	13.30	13.01	11.64	12.94
<b>Other (****)</b>		-1.37	-0.57	-1.63	-1.02	0.09	-0.84
<b>Elec. Generation (TWh)</b>		121.85	123.01	143.03	138.06	121.58	137.47
<b>Coal (TWh)</b>			0.06	0.04	0.04	0.04	0.05
<b>Oil (TWh)</b>				0.01	0.02	0.03	0.03
<b>Gas (TWh)</b>			0.33	0.33	0.47	0.57	0.82
<b>Nuclear (TWh)</b>							
<b>Renewables (TWh) (*)</b>		121.04	121.67	139.12	136.55	120.43	135.27
<b>Other (TWh) (**)</b>		0.81	0.96	3.53	0.98	0.51	1.30
<b>Final Energy Consumption</b>		16.12	16.87	18.13	18.48	18.36	18.84
<b>by fuel/product</b>							
<b>Solid fuels</b>		0.79	0.95	0.99	0.71	0.61	0.68
<b>Oil</b>		6.00	5.88	6.19	6.73	6.95	7.03
<b>Gas</b>		0.02	0.02	0.20	0.25	0.27	0.30
<b>Electricity</b>		8.32	8.92	9.42	9.52	9.23	9.51
<b>Renewables</b>		0.90	0.99	1.20	1.06	1.06	1.07
<b>Derived heat &amp; Industrial waste</b>		0.07	0.11	0.13	0.21	0.23	0.25
<b>by sector</b>							
<b>INDUSTRY</b>		6.08	6.17	7.00	6.57	6.33	6.33
<b>TRANSPORT</b>		4.14	4.21	4.49	4.93	5.13	5.43
<b>HOUSEHOLDS</b>		3.60	3.86	3.82	3.83	3.81	3.88
<b>AGRICULTURE</b>		0.27	0.65	0.77	0.75	0.75	0.68
<b>SERVICES, ETC.</b>		2.03	1.96	2.04	2.39	2.34	2.52
<b>Non-Energy Uses</b>		1.83	1.63	1.92	2.45	2.47	2.67
<b>CO<sub>2</sub> Emissions (Mt) (**)</b>		37	41	45	46	47	48
<b>Energy intensity (toe/ME '00)</b>		170	156	143	158	120	129
<b>Carbon intensity</b>		1.71	1.71	1.73	1.43	1.87	1.74
<b>Import dependency, %</b>		-437.1	-642.9	-736.0	-608.8	-773.6	-664.9
<b>Energy per capita (kgoe/cap)</b>		5 095	5 447	5 816	6 981	5 372	5 884
<b>CO<sub>2</sub> per capita (kg/cap)</b>		8 698	9 329	10 044	10 007	10 050	10 249

**Notes:** (\*) not including pumping; (\*\*) Source: European Environment Agency, July 2009; Including Bunkers; (\*\*\*) Pumped Storage Plants and Other Power Stations; (\*\*\*\*) Electrical Energy and Industrial Waste.



## Switzerland

	Mtoe	1990	1995	2000	2005	2006	2007
<b>Production</b>		9.63	10.68	11.37	10.79	12.04	12.52
<b>Solid fuels</b>							
Oil							
Gas		0.00					
Nuclear		6.10	6.42	6.82	6.02	7.18	7.20
Renewables		3.37	4.05	4.28	4.49	4.58	5.04
Industrial waste		0.16	0.20	0.27	0.29	0.29	0.28
<b>Net Imports</b>		14.96	13.72	14.08	16.24	16.11	14.12
<b>Solid fuels</b>		0.34	0.16	0.19	0.10	0.16	0.21
Oil		13.16	11.98	12.06	12.82	13.01	11.44
Gas		1.63	2.20	2.43	2.78	2.71	2.63
<b>Electricity</b>		-0.18	-0.63	-0.61	0.55	0.23	-0.18
Renewables		0.01	0.01		0.00		0.01
Derived heat							
<b>Gross Inland Consumption</b>		24.69	24.70	25.86	26.89	28.10	26.90
<b>Solid fuels</b>		0.36	0.19	0.14	0.16	0.17	0.17
Oil		13.24	12.26	12.52	12.61	12.95	11.74
Gas		1.63	2.20	2.43	2.78	2.71	2.63
Nuclear		6.10	6.42	6.82	6.02	7.18	7.20
Renewables		3.39	4.06	4.28	4.49	4.58	5.05
Other (****)		-0.02	-0.42	-0.34	0.83	0.53	0.10
<b>Elec. Generation (TWh)</b>		56.18	63.03	67.52	59.61	64.04	67.95
<b>Coal (TWh)</b>		0.04	0.00				
<b>Oil (TWh)</b>		0.39	0.37	0.23	0.19	0.18	0.19
<b>Gas (TWh)</b>		0.33	0.72	0.86	0.87	0.79	0.75
<b>Nuclear (TWh)</b>		23.64	24.90	26.45	23.34	27.82	27.93
<b>Renewables (TWh) (*)</b>		30.55	36.16	38.33	33.07	33.04	37.37
<b>Other (TWh) (***)</b>		1.23	0.89	1.67	2.14	2.21	1.72
<b>Final Energy Consumption</b>		18.91	19.55	20.43	21.74	21.65	21.14
<b>by fuel/product</b>							
<b>Solid fuels</b>		0.34	0.19	0.14	0.16	0.17	0.17
<b>Oil</b>		12.06	11.97	12.31	12.10	11.97	11.48
<b>Gas</b>		1.54	2.08	2.29	2.64	2.57	2.53
<b>Electricity</b>		4.04	4.19	4.50	4.93	4.97	4.94
<b>Renewables</b>		0.53	0.66	0.64	1.27	1.34	1.41
<b>Derived heat &amp; Industrial waste</b>		0.40	0.47	0.55	0.63	0.64	0.61
<b>by sector</b>							
<b>INDUSTRY</b>		3.36	3.60	3.97	4.12	4.18	4.09
<b>TRANSPORT</b>		6.16	6.31	7.24	7.01	7.10	7.28
<b>HOUSEHOLDS</b>		5.22	5.88	5.55	6.22	6.09	5.62
<b>AGRICULTURE</b>		0.20	0.27	0.14	0.13	0.14	0.13
<b>SERVICES, ETC.</b>		3.98	3.48	3.53	4.26	4.14	4.02
<b>Non-Energy Uses</b>		0.56	0.51	0.56	0.55	0.60	0.57
<b>CO<sub>2</sub> Emissions (Mt) (**)</b>		48	47	49	50	49	48
<b>Energy intensity (toe/M€ '00)</b>		101	101	95	93	94	87
<b>Carbon intensity</b>		1.93	1.90	1.88	1.84	1.75	1.77
<b>Import dependency, %</b>		60.5	55.5	54.4	60.4	57.3	52.5
<b>Energy per capita (kgoe/cap)</b>		3 633	3 519	3 610	3 627	3 767	3 583
<b>CO<sub>2</sub> per capita (kg/cap)</b>		6 999	6 693	6 778	6 679	6 602	6 333

**Notes:** (\*) not including pumping; (\*\*) Source: European Environment Agency, July 2009; Including Bunkers; (\*\*\*) Pumped Storage Plants and Other Power Stations; (\*\*\*\*) Electrical Energy and Industrial Waste.

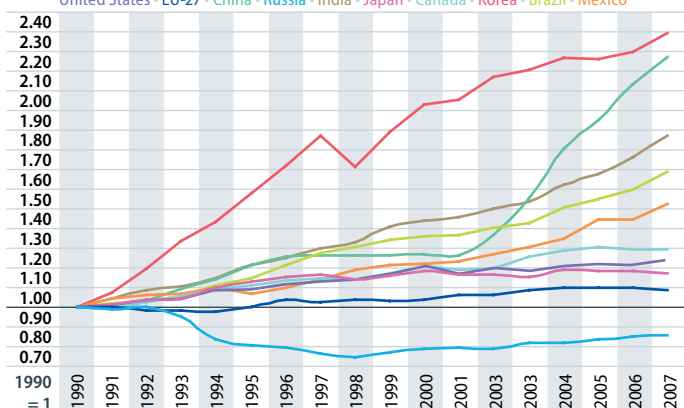
## 2.8

## 2.8.1

## Gross Inland Consumption BY COUNTRY (Mtoe)

	WORLD	United States	EU-27 (**)	China (*)	Russia	India	Japan	Canada	Korea	Brazil	Mexico	Others
1990	8 762	1 913	1 662	872	870	318	438	209	93	140	121	2 126
1991	8 844	1 929	1 665	866	859	331	443	208	100	142	126	2 175
1992	8 842	1 966	1 630	866	779	344	453	213	111	144	129	2 177
1993	8 930	2 006	1 628	866	742	352	456	220	124	147	129	2 177
1994	9 006	2 046	1 623	866	649	365	481	228	134	155	133	2 202
1995	9 227	2 071	1 663	866	624	385	493	231	147	160	129	2 265
1996	9 475	2 123	1 720	866	618	398	504	236	160	169	133	2 320
1997	9 565	2 145	1 704	866	591	414	509	239	174	178	138	2 376
1998	9 615	2 163	1 723	866	578	423	500	237	159	182	144	2 408
1999	9 806	2 220	1 711	866	599	448	508	244	176	187	147	2 465
2000	10 019	2 283	1 724	866	610	457	518	251	189	189	147	2 544
2001	10 051	2 239	1 763	866	617	464	509	248	191	190	149	2 577
2002	10 271	2 269	1 758	866	614	476	509	249	202	196	154	2 656
2003	10 628	2 264	1 803	866	636	489	505	262	206	199	158	2 755
2004	11 123	2 311	1 824	866	638	517	521	268	211	210	163	2 889
2005	11 425	2 323	1 826	866	651	534	519	272	210	216	175	2 996
2006	11 720	2 303	1 826	866	671	561	518	269	214	223	175	3 102
2007	12 029	2 340	1 806	866	672	595	514	269	222	236	184	3 221

United States · EU-27 · China · Russia · India · Japan · Canada · Korea · Brazil · Mexico

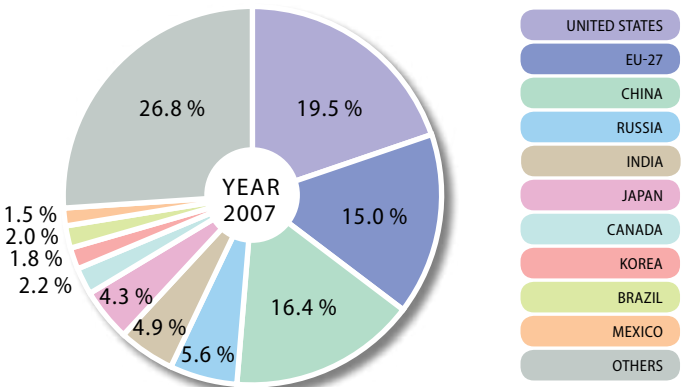


Notes: (\*) Including Hong Kong.

(\*\*) Source: Eurostat, May 2009.

## Gross Inland Consumption BY COUNTRY (SHARES, %)

	WORLD	United States	EU-27 (**)	China (*)	Russia	India	Japan	Canada	Korea	Brazil	Mexico	Others
1990	100.0	21.8	19.0	10.0	9.9	3.6	5.0	2.4	1.1	1.6	1.4	24.3
1991	100.0	21.8	18.8	9.8	9.7	3.7	5.0	2.4	1.1	1.6	1.4	24.6
1992	100.0	22.2	18.4	10.1	8.8	3.9	5.1	2.4	1.3	1.6	1.5	24.6
1993	100.0	22.5	18.2	10.6	8.3	3.9	5.1	2.5	1.4	1.6	1.4	24.4
1994	100.0	22.7	18.0	11.0	7.2	4.1	5.3	2.5	1.5	1.7	1.5	24.5
1995	100.0	22.4	18.0	11.5	6.8	4.2	5.3	2.5	1.6	1.7	1.4	24.6
1996	100.0	22.4	18.1	11.6	6.5	4.2	5.3	2.5	1.7	1.8	1.4	24.5
1997	100.0	22.4	17.8	11.5	6.2	4.3	5.3	2.5	1.8	1.9	1.4	24.8
1998	100.0	22.5	17.9	11.4	6.0	4.4	5.2	2.5	1.7	1.9	1.5	25.0
1999	100.0	22.6	17.5	11.2	6.1	4.6	5.2	2.5	1.8	1.9	1.5	25.1
2000	100.0	22.8	17.2	11.0	6.1	4.6	5.2	2.5	1.9	1.9	1.5	25.4
2001	100.0	22.3	17.5	11.0	6.1	4.6	5.1	2.5	1.9	1.9	1.5	25.6
2002	100.0	22.1	17.1	11.6	6.0	4.6	5.0	2.4	2.0	1.9	1.5	25.9
2003	100.0	21.3	17.0	12.7	6.0	4.6	4.7	2.5	1.9	1.9	1.5	25.9
2004	100.0	20.8	16.4	14.1	5.7	4.6	4.7	2.4	1.9	1.9	1.5	26.0
2005	100.0	20.3	16.0	14.9	5.7	4.7	4.5	2.4	1.8	1.9	1.5	26.2
2006	100.0	19.6	15.6	15.9	5.7	4.8	4.4	2.3	1.8	1.9	1.5	26.5
2007	100.0	19.5	15.0	16.4	5.6	4.9	4.3	2.2	1.8	2.0	1.5	26.8

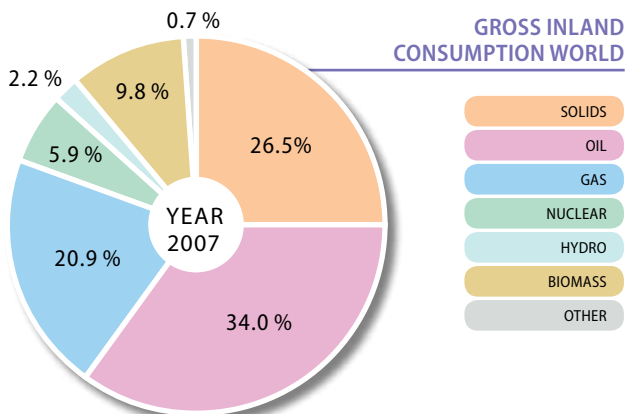


**Notes:** (\*) Including Hong Kong.  
(\*\*) Source: Eurostat, May 2009.

## Gross Inland Consumption BY FUEL / PRODUCT (2007)

in Mtoe	ALL PRODUCTS	Solids	Oil	Gas	Nuclear	Hydro	Biomass	Other
United States	2 340	554	910	538	218	21	82	16
EU-27 (**)	1 806	331	657	432	241	27	98	20
Japan	514	115	230	83	69	6	7	4
Russia	672	102	132	366	42	15	7	8
China (*)	1 970	1 293	358	61	16	42	195	5
India	595	242	141	33	4	11	162	2
Korea	222	56	94	31	37	0	3	0
Brazil	236	14	93	18	3	32	72	4
Canada	269	30	94	79	24	32	12	-2
Mexico	184	9	105	51	3	2	8	6
Others	3 221	436	1 276	827	51	76	531	26
World	12 029	3 182	4 090	2 520	709	265	1 176	87

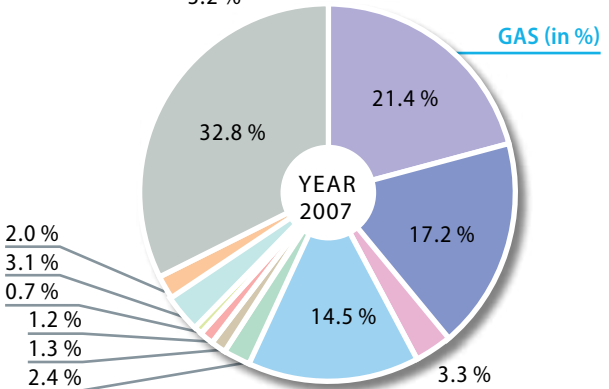
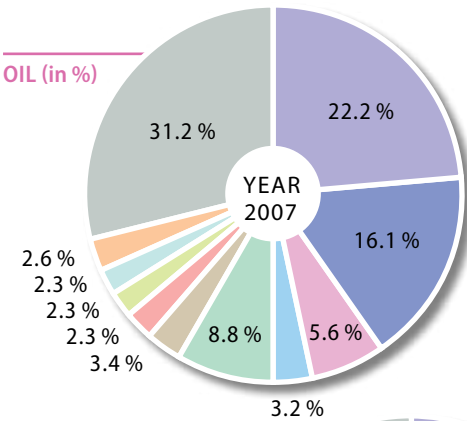
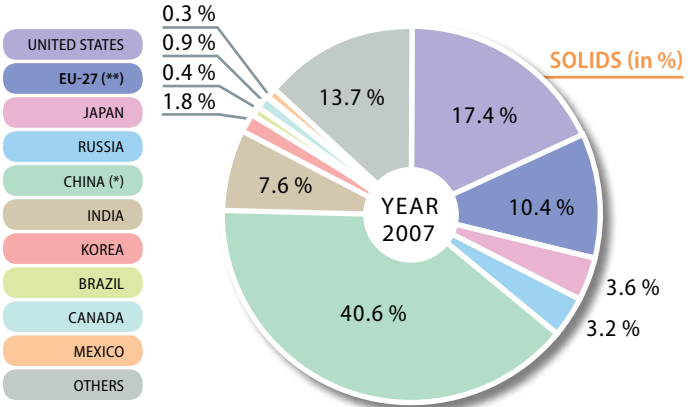
in %	ALL PRODUCTS	Solids	Oil	Gas	Nuclear	Hydro	Biomass	Other
United States	100.0	23.7	38.9	23.0	9.3	0.9	3.5	0.7
EU-27 (**)	100.0	18.3	36.4	23.9	13.4	1.5	5.4	1.1
Japan	100.0	22.3	44.8	16.2	13.4	1.2	1.4	0.7
Russia	100.0	15.2	19.7	54.4	6.3	2.3	1.0	1.2
China (*)	100.0	65.6	18.2	3.1	0.8	2.1	9.9	0.2
India	100.0	40.8	23.7	5.6	0.7	1.8	27.2	0.3
Korea	100.0	25.3	42.5	14.0	16.8	0.1	1.2	0.0
Brazil	100.0	5.8	39.3	7.5	1.4	13.7	30.7	1.7
Canada	100.0	11.2	35.1	29.3	9.0	11.8	4.3	-0.7
Mexico	100.0	4.9	56.9	27.4	1.5	1.3	4.5	3.5
Others	100.0	13.5	39.6	25.7	1.6	2.4	16.5	0.8
World	100.0	26.5	34.0	20.9	5.9	2.2	9.8	0.7



Notes: (\*) Including Hong Kong.

(\*\*) Source: Eurostat, May 2009.

# Gross Inland Consumption GRAPHS



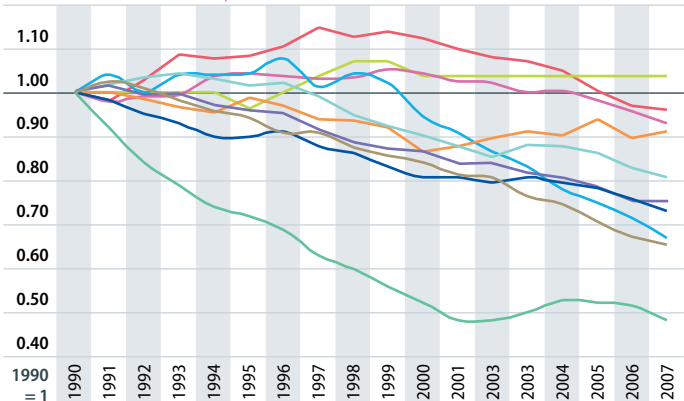
**Notes:** (\*) Including Hong Kong.  
(\*\*) Source: Eurostat, May 2009.

## Energy Intensity

toe/mio €

	WORLD	United States	EU-27 (**)	Japan	Russia	China (*)	India	Korea	Brazil	Canada	Mexico
1990	471	355	233	139	2 943	2 040	1 543	429	366	502	350
1991	471	358	229	136	3 061	1 870	1 583	421	366	512	351
1992	458	354	221	138	3 257	1 713	1 557	442	366	519	344
1993	458	351	216	138	3 388	1 609	1 517	467	366	525	338
1994	445	344	209	144	3 388	1 504	1 478	462	366	518	334
1995	445	340	209	145	3 401	1 465	1 452	464	353	510	345
1996	445	336	212	144	3 505	1 400	1 400	474	366	514	339
1997	432	324	204	143	3 296	1 282	1 400	493	379	498	329
1998	419	314	200	144	3 401	1 216	1 347	484	392	476	327
1999	419	308	193	146	3 322	1 138	1 321	488	392	464	322
2000	405	306	187	145	3 074	1 059	1 295	483	379	453	303
2001	405	298	188	143	2 956	981	1 256	471	379	440	307
2002	405	297	185	142	2 812	981	1 243	464	379	428	314
2003	405	289	187	139	2 708	1 020	1 177	459	379	442	319
2004	419	284	185	139	2 538	1 073	1 151	450	379	440	316
2005	405	278	181	136	2 433	1 059	1 086	430	379	433	328
2006	405	268	176	133	2 328	1 046	1 033	416	379	416	313
2007	392	267	169	129	2 171	981	1 007	412	379	405	319

United States · EU-27 · Japan · Russia · China · India · Korea · Brazil · Canada · Mexico



Notes: (\*) Including Hong Kong.

(\*\*) Source: Eurostat.

# PART 3

# TRANSPORT



## PART 3 SUMMARY

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## Statistical Overview EU Transport

### Gross Value Added:

With around € 500 billion in Gross Value Added (GVA) at basic prices, the provision of transport services (including storage, warehousing and other auxiliary activities) accounted for about 4.6% of total GVA in the EU-27 in 2007. It should be noted, however, that this figure only includes the GVA of companies whose main activity is the provision of transport (and transport-related) services and that own account transport operations are not included.

### Employment:

In 2007, the transport services sector in the EU-27 employed more than 9.2 million persons, some 4.4% of the total workforce. Almost two thirds (63%) of them worked in land transport (road, rail, inland waterways), 2% in sea transport, 5% in air transport and 30% in supporting and auxiliary transport activities (such as cargo handling, storage and warehousing, travel and transport agencies, tour operators).

### Household expenditure:

In 2008, private households in the EU-27 spent € 945 billion or roughly 13.4 % of their total consumption on transport-related items. Close to one third of this sum (around € 279 billion) was used to purchase vehicles, slightly more than half (€ 492 billion) was spent on the operation of personal transport equipment (e.g. to buy fuel for the car) and the remainder (€ 174 billion) was spent for transport services (e.g. bus, train, plane tickets).

### Goods transport:

In 2008, total goods transport activities in the EU27 are estimated to have amounted to 4 091 billion tkm. This figure includes intra-EU air and sea transport but not transport activities between the EU and the rest of the world. Road transport accounted for 45.9% of this total, rail for 10.8%, inland waterways for 3.6% and oil pipelines for 3.0%. Intra-EU maritime transport was the second most important mode with a share of 36.6% while intra-EU air transport only accounted for 0.1% of the total.

### Passenger transport:

In 2008, total passenger transport activities in the EU27 by any motorized means of transport are estimated to have amounted to 6 527 billion pkm or on average 13.138 km per person. This figure includes intra-EU air and sea transport but not transport activities between the EU and the rest of the world. Passenger cars accounted for 72.4% of this total, powered two-wheelers for 2.4%, buses & coaches for 8.4%, railways for 6.3% and tram and metro for 1.4%. Intra-EU air and intra-EU maritime transport contributed 8.6% and 0.6% respectively.

### Safety:

**Road:** 38 875 persons were killed in road accidents (fatalities within 30 days) in 2008, 8.5% fewer than in 2007 (when 42 496 people lost their lives). In comparison with 2000, the number of road fatalities was lower by almost a third (31.1%).

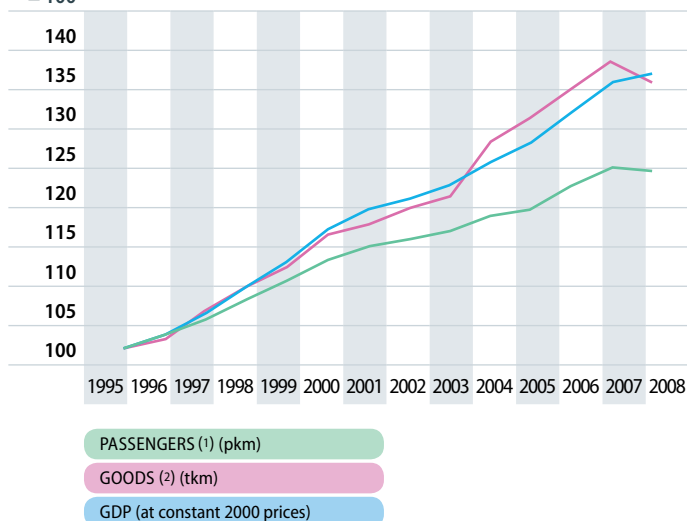
**Rail:** 83 passengers lost their lives in 2008; this figure does not include casualties among railway employees or other people run over by trains.

**Air:** In 2009, 228 people were killed on board an EU carrier and 9 people lost their lives in air crashes over EU territory. All 228 people who died on board an EU carrier were in Air France Flight 447 that crashed into the Atlantic Ocean on 1 June 2009.

## Transport Growth EU-27

 YEAR  
 1995  
 = 100

### PASSENGERS, GOODS, GDP 1995-2008



### ANNUAL GROWTH RATES EU-27

	1995-2008 p.a.	2000-2008 p.a.	2007-2008
GDP at year 2000 prices and exchange rates	2.3%	2.0%	0.7%
Passenger transport (pkm)	1.6%	1.2%	-0.3%
Freight transport (tkm)	2.3%	2.0%	-2.1%

**Notes:** GDP: at constant year 2000 prices and exchange rates.

(1) Passenger cars, powered two-wheelers, buses & coaches, tram & metro, railways, intra-EU air, intra-EU sea.

(2) Road, rail, inland waterways, oil pipelines, intra-EU air, intra-EU sea.

## Road transport

### SPEED LIMITS, BLOOD ALCOHOL LIMITS

	SPEED LIMIT, CARS (IN GENERAL), km/h:			Blood alcohol limit, grams of alcohol in 1 litre of blood
	Built-up areas	Outside built-up areas	Motorways	
BE	30-50	90-120	120	0.5
BG	50	90	130	0.5
CZ	50	90	130	0.0
DK	50	80	110-130	0.5
DE	30-50	100	(130)	0.5
EE	50	90-110	110	0.2
IE	50	80-100	120	0.8
EL	50	90-110	130	0.5
ES	50	90-100	120	0.5
FR	50	80-110	110-130	0.5
IT	50	90-110	130-150	0.5
CY	50	80	100	0.5
LV	50	90	110	0.5
LT	50	70-90	110-130	0.4
LU	50	90	130	0.5
HU	50	90-110	130	0.0
MT	50	60-80	-	0.8
NL	30-50-70	80-100	100-120	0.5
AT	50	100	130	0.5
PL	50-60	90-110	130	0.2
PT	50	90-100	120	0.5
RO	50	90-100	130	0.0
SI	30-50	90-100	130	0.5
SK	50	90	130	0.0
FI	40-50	80-100	100-120	0.5
SE	30-50	70-90	100-120	0.2
UK	32-48	96-112	112	0.8
HR	50	90-100	130	0.0
MK	60	80-100	120	0.5
TR	50	90	130	0.5
IS	30-50	80-90	-	0.5
NO	30-50-70	80	90-100	0.2
CH	30-50	80	120	0.5

**Notes:** UK, IE, CY and MT drive on the left hand side of the road, the other Member States drive on the right hand side (SE since 3.9.1967).

Signs in UK are in miles per hour.

The higher figure shown in the 'outside built-up areas' column generally refers to the speed limit on dual carriageways that are not motorways.

**Speed limits:**

DE: Motorways: No general speed limit, recommended speed limit is 130 km/h (more than half the network has a speed limit of 120 km/h or less).

FR: Dual carriageways 110 km/h. If road is wet: motorways 110 km/h, dual carriageways 90 km/h, other roads outside built-up areas 80 km/h.

IT: 150 km/h on certain 2x3 lane motorways.

FI: in winter 100 km/h on motorways, 80 km/h on other roads.

PL: Built-up areas: 50 km/h from 05h00 to 23h00, 60 km/h from 23h00 to 05h00.

**Blood alcohol limits:**

In many countries, special (more restrictive) rules apply to novice (i.e. new, unexperienced) and professional drivers.

## Road transport

### MAXIMUM GROSS VEHICLE WEIGHT

tonnes	WEIGHT PER BEARING AXLE	WEIGHT PER DRIVE AXLE	LORRIES		ROAD TRAIN		ARTICULATED VEHICLES
			2 axles	3 axles	4 axles	5 axles and more	5 axles and more
BE	10	12	19	26	39	44	44 (2)
BG	10	11.5	18	26 (1)	36	40	40
CZ	10	11.5	18	26 (1)	36	44 (1)	42 - 48
DK	10	10 / 11.5 (3)	18	24 / 26 (1) (3)	38	42 - 48	42 - 48
DE	10	11.5	18	26 (1)	36	40	40
EE	10	11.5	18	26 (1)	36	40	40
IE	10	11.5 (7)	18	26 (1)	36	44 (1)	44 (1)
EL	7 / 10	13	19	26	33	40	40
ES	10	11.5	18	26	36	40	42 - 44
FR	13	13	19	26	38	40	40
IT	12	12	18	26 (1)	40	44	44
CY							
LV	10	11.5	18	26 (1)	40	40	40
LT	10	11.5	18	26 (1)	36	40	40 - 44 (8)
LU	10	12 (9)	19	26	44	44	44
HU	10	11.5	18	25	30	40	40 (6)
MT	10	11.5	18	25	36	40	40 (6)
NL	10	11.5	21.5	33	40	50	50
AT	10	11.5	18	26	36	40	40
PL	10	11.5	18	26 (1)	36	40	40
PT	10	12	19	26	37 (10)	40	40
RO	10	11.5	18	26 (1)	36	40	40
SI	10	11.5	18	26 (1)	36	40	40
SK	10	11.5	18	26 (1)	36	40	40
FI	10	11.5	18	26 (1)	36	44 - 60 (4)	42 - 48
SE	10	11.5	18	26 (1)	38	48 - 60 (5)	48 - 60 (5)
UK	10	11.5	18	26 (1)	36	40	40 - 44 (8)
HR	10	11.5	18	24	36	40	40
MK	10	11.5	18	26 (1)	36	40	40
TR	10	11.5	18	25 / 26	36	40	40 - 44 (8)
IS	10	11.5	18	26 (1)	36	40	44
NO	10	11.5	19	26	37	42	44
CH	10	11.5	18	26 (1)	36	40	40
LI	10	11.5	18	26	36	40	40

**Notes:** An articulated vehicle consists of a road tractor coupled to a semi-trailer.

A road train is a goods road motor vehicle coupled to one or more trailers.

(1) For axles equipped with air suspension or equivalent.

(2) 2 axles tractor + 3 axles semi-trailer: mechanical suspension = 43t, pneumatic suspension = 44t.

(3) national traffic / international traffic.

(4) 5 axles = 44t; 6 axles = 56t; 7 axles = 60t.

(5) 5 axles = 48t; 6 axles = 58t; 7 axles = 60t.

(6) 44t for 40 feet long ISO containers.

(7) 10.5t for vehicles with mechanical suspension in national traffic.

(8) higher value for vehicles engaged in combined transport.

(9) 11.5t if mechanical suspension.

(10) 35t for 3-axle tractor + 1-axle trailer.

## Employment by Mode of Transport (in 1 000) – 2007

	TOTAL	ROAD freight transport	ROAD passenger transport	Railways	Pipelines	Inland water transport	Sea transport	Air transport	Travel agencies & tour operators	Other (*) auxiliary transport activities
EU-27	9 212.7	2 963.1	1 960.5	864.4	12.0	43.4	184.0	409.1	490.0	2 286.2
EU-15	7 302.3	2 293.5	1 522.8	506.9	6.0	34.5	166.3	379.2	420.9	1 972.2
EU-12	1 910.4	669.6	437.7	357.5	6.0	8.9	17.7	29.8	69.1	314.0
BE	195.6	65.5	34.1	27.1	0.1	1.2	0.9	5.9	8.2	52.5
BG	144.2	37.6	35.9	17.9	0.0	1.7	4.8	2.7	6.2	37.4
CZ	274.7	115.0	44.2	59.2	0.2	0.8	0.0	5.5	11.8	38.1
DK	137.0	41.2	30.5	8.3	0.1	0.1	13.5	6.3	6.8	30.2
DE	1 374.3	318.0	302.8	79.4	0.7	9.0	31.1	57.3	67.8	508.1
EE	38.6	14.9	5.9	3.4	0.0	0.1	1.1	0.7	1.8	10.7
IE	65.3	17.5	12.0	5.6	0.0	0.0	3.5	4.7	5.7	16.3
EL	196.4	42.8	75.0	7.4	0.1	0.0	18.5	3.8	14.6	34.2
ES	929.2	415.7	179.2	20.6	0.0	0.3	7.6	38.8	58.2	208.7
FR	1 218.0	368.1	291.1	169.4	1.3	3.8	14.2	73.2	42.9	254.2
IT	984.8	346.3	150.9	64.1	3.0	3.0	25.7	22.5	47.3	321.9
CY	19.6	2.5	2.4	0.0	0.0	0.0	5.1	2.2	2.7	4.7
LV	70.7	20.6	14.5	14.0	0.4	0.0	0.8	1.2	2.2	17.0
LT	92.4	43.3	18.0	10.8	0.0	0.1	1.7	0.7	3.2	14.6
LU	21.4	8.5	2.8	3.1	0.0	0.1	0.1	4.0	0.6	2.3
HU	205.1	68.3	51.4	43.1	0.6	1.2	0.0	2.4	6.7	31.4
MT	10.8	1.1	1.4	0.0	0.0	0.0	1.0	2.5	2.0	2.9
NL	362.5	127.9	47.5	31.1	0.1	13.5	8.2	36.0	22.9	75.3
AT	194.9	60.8	47.1	14.2	0.4	0.5	0.0	9.7	11.2	51.0
PL	622.2	243.2	154.6	120.4	3.3	1.4	2.0	6.3	18.5	72.6
PT	162.8	66.9	37.3	4.3	0.1	0.1	2.5	9.4	10.0	32.1
RO	304.8	86.6	87.1	48.3	1.5	2.8	1.0	3.9	9.2	64.4
SI	45.6	21.6	8.0	4.9	0.0	0.0	0.2	0.8	2.0	8.0
SK	81.6	15.0	14.3	35.6	0.2	0.7	0.0	1.0	2.8	12.1
FI	123.4	43.2	25.9	7.7	0.0	0.2	9.5	7.1	4.8	25.0
SE	235.9	75.0	61.7	8.9	0.0	1.4	15.8	7.0	12.7	53.5
UK	1 100.9	296.2	224.7	55.7	0.3	1.4	15.1	93.4	107.1	307.0

**Notes:** (\*) Cargo handling and storage. Other supporting activities.  
Activities of other transport agencies.  
The above figures refer to employment only in those companies whose main activity lies in the mode concerned.  
Economic activity according to NACE Rev. 1.1 classification.

## Number of Enterprises by Mode of Transport – 2007

	TOTAL	ROAD freight transport	ROAD passenger transport	Railways	Pipelines	Inland water transport	Sea transport	Air transport	Travel agencies & tour operators	Other (*) auxiliary transport activities
EU-27	1163160	608713	336517	887	161	9324	10700	3774	81000	112084
EU-15		438565	244939			8254	10156	3352	59771	88456
EU-12		170148	91578			1070	544	422	21229	23628
BE		7638	2261			337	122	170	1485	2664
BG	16585	7097	6527	8	0	20	10	37	1243	1643
CZ		26750	9320			76	0	30	6200	4202
DK	13493	7186	3710	14	4	27	407	51	649	1445
DE	87592	34824	24550	290	29	1128	1745	425	9829	14772
EE	3972	2411	248	10	0	1	18	9	339	936
IE		4100	600			0	66	36	326	836
EL		21718	35000			0	3031	17	3433	7808
ES	228028	138599	65833	8	0	38	225	85	9771	13469
FR	95854	42551	37637	32	30	1177	771	555	5552	7549
IT	148042	93427	23379	36	7	759	754	243	11795	17642
CY	4056	1452	1436	0	0	0	63	5	517	583
LV	5204	2656	770	15	2	7	26	16	466	1246
LT	7182	3998	1255	12	3	11	13	12	890	988
LU	928	469	170	2	0	22	7	14	91	153
HU	32882	18410	8979	18	5	99	5	88	1831	3447
MT	2508	386	1022	0	0	0	140	20	697	243
NL	24260	8865	4135	20	5	3640	695	235	2465	4200
AT	15480	7384	4984	27	7	75	11	152	1583	1257
PL	145968	80990	51531	104	5	678	171	101	5642	6746
PT	27769	11789	11799	1	4	254	186	70	1764	1902
RO	32786	18422	9416	88	3	139	55	57	2483	2123
SI	8526	6330	935	6	1	30	43	31	515	635
SK		1246	139			9	0	16	406	836
FI	23895	11307	9298	5	1	75	252	71	1249	1637
SE	31515	14833	9192	35	0	477	686	214	3037	3041
UK	65656	33875	12391	100	10	245	1198	1014	6742	10081

**Notes:** (\*) Cargo handling and storage, other supporting activities, activities of other transport agencies.

The above figures refer to the number only of those enterprises whose main activity lies in the mode concerned.

Economic activity according to NACE Rev. 1.1 classification.

## Turnover by Mode of Transport 2007 (mio €)

	TOTAL	ROAD freight transport	ROAD passenger transport	Railways	Pipelines	Inland water transport	Sea transport	Air transport	Travel agencies & tour operators	Other (*) auxiliary transport activities
EU-27	1210000	302 597	97 157	73 692	12 310	6 124	105 305	128 469	161 000	418 708
EU-15		264 867	88 824						153 154	388 487
EU-12		37 730	8 333						7 846	30 221
BE		10 954	1 705			406	3 580	3 244	5 358	19 180
BG		1 416	426	442	0			386	300	1 171
CZ		7 100	943			43	0		1 700	6 389
DK		6 162	2 790	247	65			3 208	3 242	9 014
DE	218 217	29 131	15 324	16 474	2 416	1 735	27 419	14 959	19 756	91 004
EE	3 849	992	103	194	0			120	177	2 262
IE		2 430	650						1 886	3 503
EL		3 120	2 600			0	2 347	1 253	1 613	2 936
ES	116 416	38 725	8 819	1 971	0	35	1 960	10 538	18 828	35 541
FR		39 639	15 232			681	10 416	19 673	13 234	54 577
IT	143 328	47 367	7 731	6 323	2 207	189	10 913	11 081	14 200	43 319
CY	1 583	115	89	0	0	0	273	411	127	569
LV		1 058	184			1	58	322	247	1 640
LT		2 303	267	440	3	5	170	124	251	1 377
LU	4 680	1 139	169	454	0	5	23	1 795	308	789
HU	13 567	3 951	1 160	1 404	299	69	2	924	1 017	4 740
MT	630	54	78			0			167	331
NL		19 066	3 328	2 115	165	2 094	5 720	9 524	6 225	23 036
AT	38 019	8 659	3 170	2 533	768	121	10	3 382	4 099	15 277
PL	33 306	14 149	3 308	4 041	955	122	388	1 362	2 195	6 786
PT		5 045	1 320				676	:	2 812	5 780
RO	9 115	3 779	1 283			136	108	602	677	2 529
SI	3 769	1 927	209			1			511	1 122
SK		885	282				0		479	1 305
FI	19 996	5 659	1 764			16	2 719	2 658	1 490	5 689
SE	46 944	9 137	5 942	1 652	0	142	4 165	3 477	6 786	15 644
UK	224 119	38 635	18 282	10 237	670	129	9 914	29 737	53 315	63 199

**Notes:** (\*) Cargo handling and storage, other supporting activities, activities of other transport agencies.  
The above figures refer to the turnover only of those companies whose main activity lies in the mode concerned.  
Economic activity according to NACE Rev. 1.1 classification.

## Final Consumption of Households for Transport

### BY TYPE OF EXPENDITURE – 2008 (\*)

	FINAL CONSUMPTION OF HOUSEHOLDS FOR TRANSPORT	of which:			TRANSPORT AS A % OF TOTAL FINAL CONSUMPTION OF HOUSEHOLDS	EXPENDITURE PER HEAD ON TRANSPORT
		purchase of personal transport equipment	operation of personal transport equipment	purchased transport services		
EU-27	945 113	279 195	491 536	174 382	13.4	1 900
EU-15	872 561	259 837	454 346	158 378	13.5	2 200
EU-12						
BE	20 750	5 985	12 912	1 853	12.0	1 900
BG	2 902	362	1 611	929	18.0	400
CZ	8 693	2 513	4 138	2 042	11.5	800
DK	14 303	5 891	7 062	1 350	12.8	2 600
DE	185 080	64 530	85 980	34 570	13.8	2 300
EE	1 405	199	857	349	16.0	1 000
IE	10 388	3 738	4 325	2 325	12.3	2 300
EL	18 674	8 081	6 132	4 461	10.4	1 700
ES	73 138	24 362	36 414	12 362	11.7	1 600
FR	158 979	38 689	97 402	22 888	14.5	2 500
IT	120 769	31 079	72 848	16 841	12.9	2 000
CY	2 087	894	739	454	15.6	2 600
LV	1 602	489	782	331	12.5	700
LT	3 864	530	2 858	475	18.7	1 200
LU	2 781	1 042	1 633	106	19.2	5 700
HU	8 820	2 762	4 804	1 255	15.5	900
MT	514	134	266	114	12.9	1 200
NL	30 866	9 139	16 828	4 899	11.9	1 900
AT	18 728	5 465	9 644	3 619	12.8	2 300
PL	20 490	6 317	9 604	4 569	9.3	500
PT	14 371	5 262	7 262	1 847	14.0	1 400
RO	13 140	2 812	6 712	3 615	16.1	600
SI	3 362	1 241	1 886	235	16.2	1 700
SK	2 733	577	1 374	782	7.6	500
FI	10 689	3 179	5 504	2 006	11.7	2 000
SE	19 088	4 616	11 276	3 196	12.8	2 100
UK	169 531	50 102	74 471	44 958	15.4	2 800

Notes: (\*) ES, LV, NL, AT, RO: 2007; PT: 2006; BG: 2005.

EU-totals all refer to 2008. therefore the sum of the country rows does not add up to the total.



## EU-27: Evolution of Consumer Prices for Passenger Transport

### HARMONISED INDEX OF CONSUMER PRICES

YEAR 2005 =100	ALL ITEMS	TRANSPORT	of which:		
			PURCHASE OF VEHICLES	Motor cars	Motorcycles, bicycles and animal drawn vehicles
2009	109.6	108.4	101.1	100.9	103.7
2008	108.6	110.7	101.3	101.3	100.7
2007	104.7	105.6	101.6	101.7	100.3
2006	102.3	103.0	100.6	100.7	99.5
2005	100.0	100.0	100.0	100.0	100.0
2004	97.8	95.7	99.7	99.6	100.4
2003	95.6	92.6	98.9	98.7	100.3
2002	93.6	90.2	97.8	97.6	100.4
2001	91.3	88.6	96.6	96.4	99.4
2000	88.5	87.3	96.1	96.0	97.3
1999	85.5	82.5	96.3	96.4	95.8

YEAR 2005 =100	OPERATION OF PERSONAL TRANSPORT EQUIPMENT	of which:			
		Spare parts and accessories for personal transport equipment	Fuels and lubricants for personal transport equipment	Maintenance and repair of personal transport equipment	Other services in respect of personal transport equipment
2009	109.9	112.8	105.1	117.1	110.8
2008	115.3	109.6	119.0	112.8	107.7
2007	107.5	105.8	108.1	107.9	104.9
2006	104.3	102.5	105.5	103.7	102.2
2005	100.0	100.0	100.0	100.0	100.0
2004	93.7	97.7	90.6	96.3	97.8
2003	89.3	95.4	84.9	92.4	95.9
2002	86.5	94.2	82.2	88.7	93.2
2001	85.1	92.6	82.4	85.0	90.7
2000	84.7	91.6	84.2	81.6	88.3
1999	77.6	91.5	71.8	79.3	86.7

YEAR 2005 =100	TRANSPORT SERVICES	of which:					
		Passenger transport by railway	Passenger transport by road	Passenger transport by air	Passenger transport by sea and inland waterway	Combined passenger transport	Other purchased transport services
2007	117.2	118.0	117.9	110.0	128.0	116.5	109.4
2006	113.2	112.8	113.3	110.9	117.8	111.9	109.0
2007	106.6	108.4	107.8	100.3	113.2	107.0	105.7
2006	103.2	103.4	103.8	100.7	106.2	103.6	102.6
2005	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2004	95.4	96.5	95.5	94.5	100.2	96.5	97.8
2003	92.3	93.2	92.0	93.4	102.3	92.2	95.2
2002	89.0	90.4	88.0	91.8	99.6	89.3	93.1
2001	85.8	86.8	84.6	89.5	95.2	86.3	90.0
2000	81.9	83.9	80.2	84.5	90.8	82.8	85.6
1999	79.3	82.1	76.8	83.2	86.7	79.7	83.2

## EU-27 External Trade by Mode of Transport 2008

### VALUE (billion €)

					EXTRA EU-27	
	EXPORT		IMPORT		EXPORT + IMPORT	
Sea	621.1	47.5%	836.1	53.4%	1 457.2	50.7%
Road	289.1	22.1%	178.0	11.4%	467.1	16.3%
Rail	24.3	1.9%	21.8	1.4%	46.1	1.6%
Inland waterway	5.0	0.4%	3.1	0.2%	8.2	0.3%
Pipeline	4.6	0.4%	123.0	7.9%	127.6	4.4%
Air	320.4	24.5%	255.6	16.3%	576.0	20.1%
Self propulsion	31.9	2.4%	14.4	0.9%	46.4	1.6%
Post	1.5	0.1%	2.7	0.2%	4.2	0.1%
Unknown	8.6	0.7%	130.3	8.3%	138.9	4.8%
<b>TOTAL</b>	<b>1 306.6</b>	<b>100.0%</b>	<b>1 565.0</b>	<b>100.0%</b>	<b>2 871.6</b>	<b>100.0%</b>

### WEIGHT (million tonnes)

					EXTRA EU-27	
	EXPORT		IMPORT		EXPORT + IMPORT	
Sea	396.4	74.8%	1 288.3	71.7%	1 684.7	72.4%
Road	82.9	15.6%	59.1	3.3%	142.0	6.1%
Rail	24.6	4.6%	73.5	4.1%	98.0	4.2%
Inland waterway	8.4	1.6%	13.0	0.7%	21.4	0.9%
Pipeline	3.7	0.7%	275.5	15.3%	279.2	12.0%
Air	9.8	1.8%	3.5	0.2%	13.3	0.6%
Self propulsion	3.2	0.6%	2.2	0.1%	5.5	0.2%
Post	0.0	0.0%	0.1	0.0%	0.1	0.0%
Unknown	1.2	0.2%	82.2	4.6%	83.4	3.6%
<b>TOTAL</b>	<b>530.2</b>	<b>100.0%</b>	<b>1 797.4</b>	<b>100.0%</b>	<b>2 327.6</b>	<b>100.0%</b>

**Notes:** Data for intra-EU trade are no longer available by mode of transport used.

## Comparison EU27 – World INFRASTRUCTURE AND VEHICLES

TRANSPORT INFRASTRUCTURE					
	EU-27	USA	JAPAN	CHINA	RUSSIA
1 000 km	2007	2007	2007	2007	2007
Road network (paved)	5 000	4 241	956	2 535	771
Motorway network	65.7	95.3 <sup>(1)</sup>	7.6 <sup>(2)</sup>	53.9	30.0
Railway network	212.8	203.1 <sup>(3)</sup>	27.3	78.0	87.2
Electrified rail lines	110.5		15.2	24.4	40.3
Navigable inland waterways	42.7	40.7	1.8	123.5	102.0
Oil Pipelines	33.7	268.7	0.2	20.2 <sup>(4)</sup>	46.7 <sup>(5)</sup>

VEHICLE STOCK						
	EU-27	USA	JAPAN	CHINA	RUSSIA	
	2008	2007	2008	2008	2008	
Passenger cars stock	million	231.9	237.4 <sup>(6)</sup>	69.0 <sup>(7)</sup>	38.5	30.3
Motorization	cars / 1 000 persons	467	780	540	29	212
Commercial freight vehicles	million	33.97	9.03	6.57	24.54	5.35

TRANSPORT SAFETY						
	EU-27	USA	JAPAN	CHINA	RUSSIA	
	2008	2008	2008	2008	2008	
Road fatalities	number	38 875	37 261	5 155	73 484	29 900
	per million inhabitants	78	122	40	56	211

- Notes:** (1) **USA:** divided highways with 4 or more lanes (rural or urban interstate, freeways, expressways, arterial and collector) with full access control by the authorities.  
 (2) **Japan:** national expressways.  
 (3) **USA:** a sum of overlapping networks.  
 (4) **China:** only crude oil pipelines. Refined oil pipelines: 2005: 9 746 km.  
 (5) **Russia:** only crude oil pipelines. 16 thousand km of oil products pipelines are not included.  
 (6) **USA:** all 2-axle 4-tyre vehicles (135.9 million passenger cars and 101.5 million other 2-axle 4-tyre vehicles).  
 (7) **Japan:** including 28.2 million light motor vehicles (engine capacity up to 660 cubic centimetres).

## Comparison EU27 – World

### PASSENGER AND FREIGHT TRANSPORT

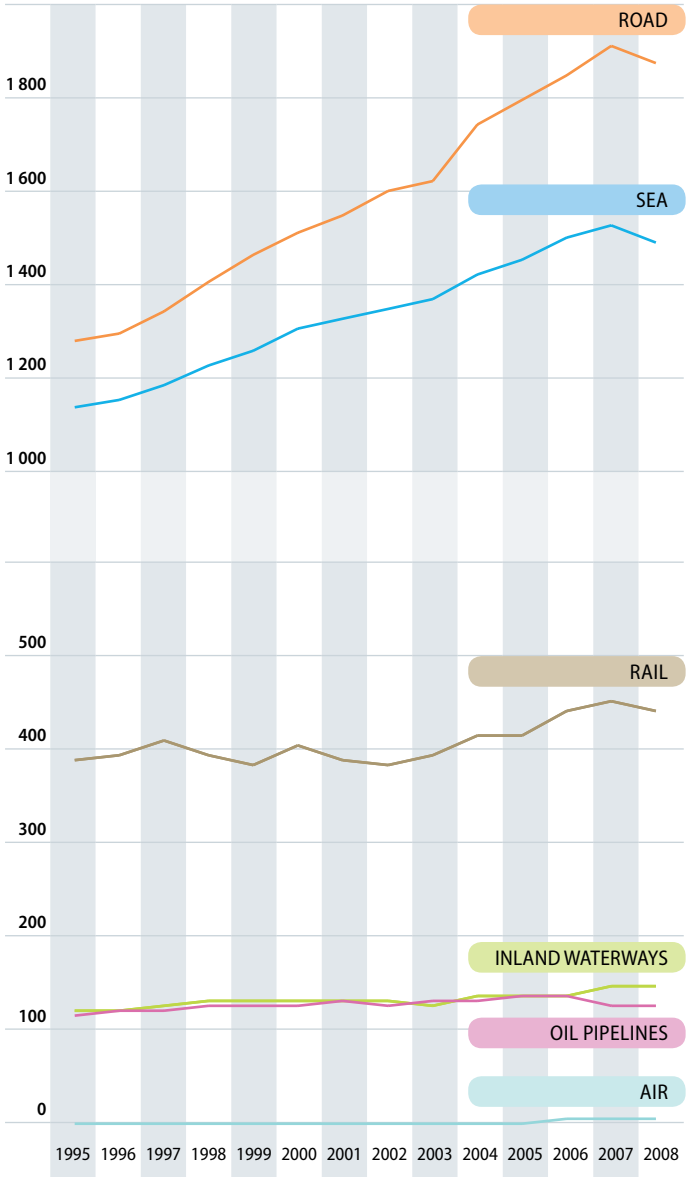
PASSENGER TRANSPORT					
billion pkm	EU-27	USA	JAPAN	CHINA	RUSSIA
	2008	2008	2008	2008	2008
Passenger car	4 725.0	7 201.8 <sup>(1)</sup>	769.1 <sup>(2)</sup>	1 263.6 <sup>(3)</sup>	
Bus + trolley-bus + coach	546.7	243.0	89.9		124.8
Railway	409.2	37.1	404.6	777.9	175.9
Tram + metro	89.0	21.1	<sup>(4)</sup>		51.6
Waterborne	40.9	0.6	5.5	7.5	0.9
Air (domestic / intra-EU-27)	561.0	977.8	81.0	288.3	122.6

FREIGHT TRANSPORT					
billion tkm	EU-27	USA	JAPAN	CHINA	RUSSIA
	2008	2007	2008	2007	2008
Road	1 877.7	1 922.9	346.4	1 135.5	216.3
Rail	442.7	2 656.6	22.3	2 379.7	2 116.2
Inland waterways	145.3	472.3		1 559.9	64.0
Oil pipeline	124.1	814.2		186.6 <sup>(5)</sup>	2 464.0
Sea (domestic / intra-EU-27)	1 498.0	333.0	187.5	4 868.6	85.0

- Notes:** (1) USA: including light trucks / vans.  
 (2) Japan: including light motor vehicles and taxis.  
 (3) China: including buses and coaches.  
 (4) Japan: included in railway pkm.  
 (5) China: oil and gas pipelines.

## EU-27 Performance by Mode for Freight Transport – 1995-2008

billion tonne-kilometres



## EU-27 Performance by Mode

### FREIGHT TRANSPORT

thousand mio tonne-kilometres							
	ROAD	RAIL	INLAND WATERWAYS	PIPE-LINES	SEA	AIR	TOTAL
1995	1 289	386	122	115	1 146	2.0	3 060
1996	1 303	392	120	119	1 160	2.1	3 096
1997	1 352	410	128	118	1 193	2.2	3 202
1998	1 414	393	131	125	1 232	2.3	3 297
1999	1 470	384	129	124	1 268	2.3	3 377
2000	1 519	404	134	127	1 314	2.5	3 499
2001	1 556	386	133	133	1 334	2.5	3 544
2002	1 606	384	133	128	1 355	2.4	3 608
2003	1 625	392	124	130	1 378	2.4	3 652
2004	1 747	416	137	132	1 427	2.5	3 861
2005	1 800	414	139	136	1 461	2.6	3 953
2006	1 854	440	138	135	1 505	2.7	4 076
2007	1 915	453	147	127	1 532	2.8	4 177
2008	1 878	443	145	124	1 498	2.7	4 091
1995-2008	45.7%	14.7%	19.0%	8.0%	30.7%	35.0%	33.7%
per year	2.9%	1.1%	1.3%	0.6%	2.1%	2.3%	2.3%
2000-2008	23.6%	9.7%	8.5%	-2.0%	14.0%	10.2%	16.9%
per year	2.7%	1.2%	1.0%	-0.3%	1.7%	1.2%	2.0%
2007-2008	-1.9%	-2.3%	-1.2%	-2.2%	-2.2%	-1.8%	-2.1%

### MODAL SPLIT

(%)						
	ROAD	RAIL	INLAND WATERWAYS	PIPE-LINES	SEA	AIR
1995	42.1	12.6	4.0	3.8	37.5	0.1
1996	42.1	12.7	3.9	3.9	37.5	0.1
1997	42.2	12.8	4.0	3.7	37.3	0.1
1998	42.9	11.9	4.0	3.8	37.4	0.1
1999	43.5	11.4	3.8	3.7	37.6	0.1
2000	43.4	11.5	3.8	3.6	37.5	0.1
2001	43.9	10.9	3.7	3.8	37.6	0.1
2002	44.5	10.6	3.7	3.6	37.6	0.1
2003	44.5	10.7	3.4	3.6	37.7	0.1
2004	45.2	10.8	3.5	3.4	37.0	0.1
2005	45.5	10.5	3.5	3.4	37.0	0.1
2006	45.5	10.8	3.4	3.3	36.9	0.1
2007	45.8	10.8	3.5	3.0	36.7	0.1
2008	45.9	10.8	3.6	3.0	36.6	0.1

**Notes:** Air and Sea: only domestic and intra-EU-27 transport; provisional estimates.  
Road: national and international haulage by vehicles registered in the EU-27.

## EU-27 Performance by Mode

### FREIGHT TRANSPORT FOR INLAND MODES

thousand mio tonne-kilometres

	ROAD	RAIL	INLAND WATERWAYS	PIPELINES	TOTAL
1995	1 289	386	122	115	1 912
1996	1 303	392	120	119	1 934
1997	1 352	410	128	118	2 007
1998	1 414	393	131	125	2 063
1999	1 470	384	129	124	2 107
2000	1 519	404	134	127	2 183
2001	1 556	386	133	133	2 208
2002	1 606	384	133	128	2 251
2003	1 625	392	124	130	2 271
2004	1 747	416	137	132	2 432
2005	1 800	414	139	136	2 489
2006	1 854	440	138	135	2 568
2007	1 915	453	147	127	2 642
2008	1 878	443	145	124	2 590
1995-2008	45.7%	14.7%	19.0%	8.0%	35.5%
per year	2.9%	1.1%	1.3%	0.6%	2.4%
2000-2008	23.6%	9.7%	8.5%	-2.0%	18.6%
per year	2.7%	1.2%	1.0%	-0.3%	1.9%
2007-2008	-1.9%	-2.3%	-1.2%	-2.2%	-2.0%

### MODAL SPLIT

(%)

	ROAD	RAIL	INLAND WATERWAYS	PIPELINES
1995	67.4	20.2	6.4	6.0
1996	67.4	20.3	6.2	6.2
1997	67.3	20.4	6.4	5.9
1998	68.5	19.0	6.4	6.1
1999	69.8	18.2	6.1	5.9
2000	69.6	18.5	6.1	5.8
2001	70.5	17.5	6.0	6.0
2002	71.4	17.1	5.9	5.7
2003	71.6	17.3	5.4	5.7
2004	71.8	17.1	5.6	5.4
2005	72.3	16.6	5.6	5.5
2006	72.2	17.1	5.4	5.3
2007	72.5	17.1	5.6	4.8
2008	72.5	17.1	5.6	4.8

**Notes:** Road: national and international haulage by vehicles registered in the EU-27.

## Road NATIONAL HAULAGE

### HAULAGE BY VEHICLES REGISTERED IN THE REPORTING COUNTRY

	thousand mio tkm						%
	1995	2000	2005	2006	2007	2008	CHANGE '07/'08
<b>EU-27</b>		<i>1 088.8</i>	<i>1 232.5</i>	<i>1 250.1</i>	<i>1 292.4</i>	<i>1 268.0</i>	-1.9
<b>EU-15</b>	<i>869.9</i>	<i>989.4</i>	<i>1 103.9</i>	<i>1 117.8</i>	<i>1 150.5</i>	<i>1 119.6</i>	-2.7
<b>EU-12</b>		<i>99.5</i>	<i>128.6</i>	<i>132.2</i>	<i>141.8</i>	<i>148.4</i>	4.6
BE	18.62	19.75	19.28	19.62	19.65	18.21	-7.3
BG		3.06	5.05	5.81	5.89	7.12	20.9
CZ		14.21	15.52	16.08	15.83	15.75	-0.5
DK	9.33	11.00	11.06	11.50	11.80	10.72	-9.2
DE	201.30	226.53	237.62	251.38	261.44	264.55	1.2
EE	0.45	0.72	1.85	1.98	1.94	1.83	-5.7
IE	4.70	8.34	13.98	13.83	14.43	13.27	-8.1
EL	<i>20.00</i>	<i>24.50</i>	<i>27.50</i>	26.14	21.73	24.35	12.0
ES	78.74	106.94	166.39	174.59	190.61	175.18	-8.1
FR	135.30	163.16	177.33	182.75	191.39	181.88	-5.0
IT	150.30	158.25	171.59	155.43	152.41	<i>149.00</i>	-2.2
CY		1.28	1.37	1.15	1.18	1.30	9.5
LV		1.48	2.73	2.72	3.01	2.54	-15.6
LT		1.53	2.14	2.23	2.70	2.56	-5.3
LU	0.53	0.42	0.49	0.54	0.55	0.79	43.6
HU		12.15	11.39	12.43	13.19	13.04	-1.1
MT		<i>0.20</i>	<i>0.20</i>	<i>0.20</i>	<i>0.20</i>	<i>0.20</i>	<i>0.0</i>
NL	26.68	31.54	31.83	31.01	30.69	32.01	4.3
AT	11.07	12.39	12.51	14.44	14.74	14.59	-1.1
PL		<i>48.00</i>	<i>60.94</i>	59.42	65.77	71.92	9.3
PT	<i>16.50</i>	<i>17.06</i>	17.45	17.54	18.32	17.11	-6.6
RO		9.88	19.40	22.72	23.93	23.19	-3.1
SI		1.90	2.36	2.28	2.57	2.64	2.4
SK		5.06	5.62	5.20	5.62	6.32	12.5
FI	21.80	27.72	27.82	25.47	25.96	27.62	6.4
SE	28.36	31.45	34.70	35.47	36.40	37.95	4.3
UK	146.71	150.34	154.40	158.16	160.43	152.40	-5.0
HR		1.91	4.39	5.29	5.12	6.45	25.9
MK							
TR	112.50	161.55	166.83	177.40	181.33	181.94	0.3
IS	<i>0.50</i>	<i>0.60</i>	0.74	0.79	0.83	0.80	-3.0
NO		12.11	15.35	15.31	15.43	16.66	8.0
CH	8.36	8.93	9.12	9.22	9.45	9.53	0.8

Notes: Only haulage of heavy goods vehicles (usually >3.5 tonnes load capacity).



## Road

### INTERNATIONAL HAULAGE (\*)

#### HAULAGE BY VEHICLES REGISTERED IN THE REPORTING COUNTRY

	thousand mio tkm						%
	1995	2000	2005	2006	2007	2008	CHANGE '07/'08
<b>EU-27</b>		429.9	567.8	604.2	622.6	609.7	-2.1
<b>EU-15</b>	268.3	339.5	384.6	386.0	373.2	347.6	-6.8
<b>EU-12</b>		90.4	183.1	218.2	249.4	262.1	5.1
BE	26.98	31.29	24.57	23.40	22.44	20.15	-10.2
BG		3.34	9.33	7.96	8.73	8.20	-6.1
CZ		23.10	27.93	34.29	32.31	35.13	8.7
DK	13.07	13.02	12.24	9.76	9.16	8.76	-4.3
DE	36.50	54.18	72.49	78.64	82.01	76.99	-6.1
EE	1.10	3.22	3.98	3.57	4.48	5.52	23.4
IE	0.80	3.94	3.93	3.62	4.59	4.14	-9.9
EL	4.00	4.50	5.00	7.87	6.06	4.50	-25.7
ES	22.86	41.78	66.84	67.20	68.26	67.80	-0.7
FR	42.90	40.84	27.95	28.69	27.82	24.43	-12.2
IT	24.13	26.43	40.22	31.64	27.00	26.00	-3.7
CY		0.03	0.02	0.02	0.02	0.01	-33.3
LV		3.31	5.66	8.04	10.20	9.81	-3.8
LT		6.24	13.77	15.90	17.57	17.86	1.6
LU	4.97	7.20	8.31	8.26	9.01	9.75	8.1
HU		6.98	13.76	18.05	22.62	22.72	0.4
MT		0.05	0.05	0.05	0.05	0.05	0.0
NL	40.42	48.03	52.34	52.18	47.24	46.15	-2.3
AT	15.43	22.73	24.53	24.75	22.66	19.74	-12.9
PL		27.02	50.89	68.90	85.11	93.01	9.3
PT	15.50	21.85	25.16	27.30	27.88	21.98	-21.2
RO		4.41	32.13	34.57	35.59	33.20	-6.7
SI		3.40	8.67	9.83	11.16	13.63	22.1
SK		9.28	16.95	17.01	21.54	22.96	6.6
FI	2.70	4.26	4.04	4.25	3.86	2.24	-41.9
SE	3.24	4.17	3.87	4.44	4.15	4.42	6.6
UK	14.79	15.28	13.14	14.03	11.05	10.60	-4.1
HR		0.95	4.94	4.88	5.38	4.60	-14.5
MK							
TR							
IS							
NO		3.02	2.90	4.08	3.95	3.94	-0.3
CH <sup>(1)</sup>	0.75	0.86	0.86	0.87	0.85	0.75	-12.3

**Notes:** (\*) Including cross-trade and cabotage;

Only haulage of heavy goods vehicles (usually >3.5 tonnes load capacity).

(1) CH: in contrast to the data for other countries, the Swiss data do not include that part of international journeys by Swiss hauliers that takes place outside Switzerland.

## Road

## NATIONAL AND INTERNATIONAL HAULAGE (\*)

HAULAGE BY VEHICLES REGISTERED  
IN THE REPORTING COUNTRY

	thousand mio tkm						%
	1995	2000	2005	2006	2007	2008	CHANGE '07/'08
<b>EU-27</b>	<i>1 288.7</i>	<i>1 518.7</i>	<i>1 800.3</i>	<i>1 854.3</i>	<i>1 914.9</i>	<i>1 877.7</i>	-1.9
<b>EU-15</b>	<i>1 138.2</i>	<i>1 328.9</i>	<i>1 488.6</i>	<i>1 503.9</i>	<i>1 523.7</i>	<i>1 467.2</i>	-3.7
<b>EU-12</b>	<i>150.4</i>	<i>189.8</i>	<i>311.7</i>	<i>350.4</i>	<i>391.2</i>	<i>410.5</i>	4.9
BE	45.60	51.05	43.85	43.02	42.09	38.36	-8.9
BG	5.20	6.40	14.37	13.77	14.62	15.32	4.8
CZ	31.30	37.31	43.45	50.38	48.14	50.88	5.7
DK	22.40	24.02	23.30	21.25	20.96	19.48	-7.1
DE	237.80	280.71	310.10	330.02	343.45	341.53	-0.6
EE	1.55	3.93	5.82	5.55	6.42	7.35	14.6
IE	5.50	12.28	17.91	17.45	19.02	17.40	-8.5
EL	24.00	29.00	32.50	34.00	27.79	28.85	3.8
ES	101.60	148.72	233.23	241.79	258.88	242.98	-6.1
FR	178.20	204.00	205.28	211.45	219.21	206.30	-5.9
IT	174.43	184.68	211.80	187.07	179.41	175.00	-2.5
CY	1.20	1.31	1.39	1.17	1.20	1.31	8.8
LV	1.83	4.79	8.39	10.75	13.20	12.34	-6.5
LT	5.20	7.77	15.91	18.13	20.28	20.42	0.7
LU	5.50	7.61	8.80	8.81	9.56	10.53	10.2
HU	13.80	19.12	25.15	30.48	35.81	35.76	-0.1
MT	0.25	0.25	0.25	0.25	0.25	0.25	0.0
NL	67.10	79.57	84.16	83.19	77.92	78.16	0.3
AT	26.50	35.12	37.04	39.19	37.40	34.33	-8.2
PL	51.20	75.02	111.83	128.32	150.88	164.93	9.3
PT	32.00	38.91	42.61	44.84	46.20	39.09	-15.4
RO	19.70	14.29	51.53	57.29	59.52	56.39	-5.3
SI	3.30	5.30	11.03	12.11	13.73	16.26	18.4
SK	15.90	14.34	22.57	22.21	27.16	29.28	7.8
FI	24.50	31.98	31.86	29.72	29.81	29.86	0.2
SE	31.60	35.62	38.58	39.92	40.54	42.37	4.5
UK	161.50	165.62	167.53	172.18	171.48	163.00	-4.9
HR		2.86	9.33	10.18	10.50	11.05	5.2
MK		3.50	5.58	8.30	5.94	3.98	-33.0
TR (1)	112.50	161.55	166.83	177.40	181.33	181.94	0.3
IS	0.50	0.60	0.74	0.79	0.83	0.80	-3.0
NO	9.70	15.13	18.25	19.39	19.38	20.60	6.3
CH (2)	9.11	9.79	9.98	10.09	10.31	10.28	-0.3

Notes: (\*) Including cross-trade and cabotage;

Only haulage of heavy goods vehicles (usually >3.5 tonnes load capacity).

(1) TR: national transport only;

(2) CH: in contrast to the data for other countries, the Swiss data do not include that part of international journeys by Swiss hauliers that takes place outside Switzerland.

## Railways

	thousand mio tkm							%
	1990	1995	2000	2005	2006	2007	2008	CHANGE '07/'08
<b>EU-27</b>	526.3	386.1	403.7	414.1	440.4	453.1	442.7	-2.3
<b>EU-15</b>	256.5	222.7	257.1	262.9	286.1	297.1	292.4	-1.6
<b>EU-12</b>	269.8	163.4	146.6	151.3	154.3	156.0	150.4	-3.6
BE	8.37	7.30	7.67	8.13	8.57	9.26	8.57	-7.4
BG	14.13	8.60	5.54	5.16	5.40	5.24	4.69	-10.5
CZ		22.62	17.50	14.87	15.78	16.30	15.44	-5.3
DK	1.73	1.99	2.03	1.98	1.89	1.78	1.87	4.9
DE	101.70	70.50	82.68	95.42	107.01	114.62	115.65	0.9
EE	6.98	3.85	8.10	10.64	10.42	8.43	5.94	-29.5
IE	0.59	0.60	0.49	0.30	0.21	0.13	0.10	-20.2
EL	0.61	0.29	0.43	0.61	0.66	0.84	0.79	-5.9
ES	11.15	10.96	11.61	11.64	11.63	11.06	10.48	-5.3
FR	52.24	48.27	57.73	40.70	41.18	42.62	40.63	-4.7
IT	19.36	21.69	22.82	22.76	24.15	25.29	23.83	-5.8
CY	-	-	-	-	-	-	-	
LV	18.54	9.76	13.31	19.78	16.83	18.31	19.58	6.9
LT	19.26	7.20	8.92	12.46	12.90	14.37	14.75	2.6
LU	0.62	0.53	0.63	0.39	0.44	0.29	0.28	-2.8
HU	16.80	8.40	8.80	9.09	10.17	10.05	9.87	-1.7
MT	-	-	-	-	-	-	-	
NL	3.07	3.10	4.52	5.87	6.29	7.22	6.98	-3.2
AT	12.16	13.20	16.60	18.96	20.98	21.37	21.92	2.5
PL	81.60	68.20	54.00	49.97	53.62	54.25	52.04	-4.1
PT	1.46	2.02	2.18	2.42	2.43	2.59	2.55	-1.4
RO	48.91	17.91	16.35	16.58	15.79	15.76	15.24	-3.3
SI	4.21	3.08	2.86	3.25	3.37	3.60	3.52	-2.3
SK		13.80	11.23	9.46	9.99	9.65	9.30	-3.6
FI	8.36	9.60	10.11	9.71	11.06	10.43	10.78	3.3
SE	19.10	19.39	19.48	21.68	22.27	23.25	23.12	-0.6
UK	16.00	13.30	18.10	22.32	27.37	26.38	24.83	-5.9
HR		1.97	1.79	2.84	3.31	3.57	3.31	-7.3
MK			0.50	0.53	0.61	0.78	0.74	-4.5
TR	7.89	8.51	9.76	9.08	9.54	9.76	10.55	8.2
IS	-	-	-	-	-	-	-	
NO	2.60	2.70	3.00	3.15	3.35	3.50	3.62	3.4
CH	9.05	8.86	11.08	11.68	12.47	11.95	12.27	2.6

Notes: CS: 1990: 59.4 (included in EU-27 and EU-12 totals).

## Inland Waterways

	thousand mio tkm							%
	1990	1995	2000	2005	2006	2007	2008	CHANGE '07/'08
<b>EU-27</b>	118.3	122.1	133.9	138.7	138.5	147.0	145.3	-1.2
<b>EU-15</b>	107.0	114.6	127.4	126.2	126.6	132.2	130.0	-1.7
<b>EU-12</b>	11.4	7.5	6.5	12.4	11.8	14.7	15.2	3.4
BE	5.39	5.73	7.22	8.57	8.91	9.01	8.75	-2.9
BG	1.61	0.53	0.31	0.76	0.79	3.01	2.89	-4.0
CZ		0.28	0.09	0.06	0.04	0.04	0.03	-22.2
DK	-	-	-	-	-	-	-	
DE	54.80	63.98	66.47	64.10	63.98	64.72	64.06	-1.0
EE	0.00	0.00	-	-	-	-	-	
IE	-	-	-	-	-	-	-	
EL	-	-	-	-	-	-	-	
ES	-	-	-	-	-	-	-	
FR	7.58	6.63	9.11	8.91	9.01	9.21	8.90	-3.4
IT	0.12	0.14	0.17	0.09	0.08	0.09	0.08	-18.3
CY	-	-	-	-	-	-	-	
LV	-	-	-	-	-	-	-	
LT	0.16	0.02	0.00	0.00	0.00	0.01	0.01	15.0
LU	0.36	0.34	0.38	0.34	0.38	0.35	0.37	6.4
HU	2.04	1.21	0.89	2.11	1.91	2.21	2.25	1.7
MT	-	-	-	-	-	-	-	
NL	35.66	35.46	41.27	42.23	42.22	46.00	45.30	-1.5
AT	1.66	2.05	2.44	1.75	1.84	2.60	2.36	-9.2
PL	1.03	0.88	1.17	0.33	0.29	0.28	0.28	0.0
PT	-	-	-	-	-	-	-	
RO	2.09	3.11	2.63	8.44	8.16	8.19	8.69	6.0
SI	-	-	-	-	-	-	-	
SK		1.47	1.38	0.74	0.65	1.00	1.10	9.7
FI	1.10	0.08	0.12	0.08	0.07	0.10	0.08	-20.8
SE	-	-	-	-	-	-	-	
UK	0.30	0.20	0.21	0.17	0.16	0.16	0.15	-8.0
HR	0.50	0.03	0.06	0.12	0.12	0.11	0.08	-27.5
MK	-	-	-	-	-	-	-	
TR	-	-	-	-	-	-	-	
IS	-	-	-	-	-	-	-	
NO	-	-	-	-	-	-	-	
CH	0.20	0.05	0.05	0.05	0.04	0.05	0.04	-5.8

Notes: FI: only shipborne transport (i.e. no floating);

CS: 1990: 4.42 (included in EU-27 and EU-12 totals).

## Pipelines (Oil)

	thousand mio tkm							%
	1990	1995	2000	2005	2006	2007	2008	CHANGE '07/'08
<b>EU-27</b>		114.9	126.7	135.9	135.2	126.9	124.1	-2.2
<b>EU-15</b>	71.7	80.2	86.2	90.0	90.0	87.0	87.5	0.5
<b>EU-12</b>		34.7	40.5	46.0	45.2	39.9	36.6	-8.2
BE	1.02	1.37	1.62	1.52	1.57	1.49	1.45	-3.0
BG	0.64	0.41	0.38	0.35	0.36	0.42	0.42	0.0
CZ		2.28	1.61	2.26	2.29	2.08	2.32	11.4
DK	2.02	3.11	4.69	5.13	4.87	4.63	4.21	-9.0
DE	13.30	14.76	15.03	16.74	15.84	15.82	15.94	0.7
EE	-	-	-	-	-	-	-	
IE	-	-	-	-	-	-	-	
EL	-	-	-	0.09	0.10	0.10	0.10	0.0
ES	4.22	5.89	7.47	9.23	9.22	8.94	9.14	2.3
FR	19.60	22.27	21.67	20.86	22.20	21.14	20.92	-1.1
IT	9.20	9.65	10.32	11.42	11.45	11.39	11.62	2.1
CY	-	-	-	-	-	-	-	
LV		5.32	6.47	3.38	3.63	2.71	2.10	-22.6
LT		2.01	3.46	4.41	2.67	1.03	0.53	-48.9
LU	-	-	-	-	-	-	-	
HU	5.29	2.18	2.26	2.68	3.04	2.99	2.97	-0.4
MT	-	-	-	-	-	-	-	
NL	4.87	5.28	5.87	5.94	5.83	5.58	5.97	6.9
AT	6.37	6.77	7.56	7.78	7.64	7.23	7.52	4.1
PL	13.89	13.49	20.35	25.39	25.59	23.51	21.25	-9.6
PT		-	0.50	0.48	0.45	0.48	0.45	-5.8
RO	5.06	2.94	1.39	2.21	2.03	1.85	1.72	-7.0
SI	-	-	-	-	-	-	-	
SK		6.10	4.60	5.30	5.60	5.30	5.30	0.0
FI	-	-	-	-	-	-	-	
SE	-	-	-	-	-	-	-	
UK	11.10	11.10	11.42	10.78	10.78	10.23	10.18	-0.5
HR	3.60		0.43	1.51	1.26	1.41	1.31	-7.0
MK	-	-	-	0.14	0.17	0.16	0.16	0.0
TR		3.20	53.13	5.74	5.84	12.89	36.40	182.3
IS	-	-	-	-	-	-	-	
NO	2.06	5.26	3.49	4.59	4.53	4.19	3.83	-8.7
CH	1.20	1.25	0.22	0.23	0.26	0.22	0.25	14.3

**Notes:** Data are not harmonised and therefore not fully comparable;  
in most countries, only pipelines longer than 40km are included.  
CS: 1990: 7.5;  
DE: from 1995 onwards: only crude oil (i.e. no refined petroleum products).

## USA

## PERFORMANCE BY MODE OF TRANSPORT: FREIGHT

thousand mio tkm					
	ROAD (1)	RAIL	INLAND WATERWAYS	PIPELINES	TOTAL
1990	1 239.0	1 554.0	515.8	852.8	4 161.6
1995	1 509.4	1 922.8	534.4	877.6	4 844.2
1996	1 550.2	2 010.5	518.5	904.0	4 983.2
1997	1 621.1	2 031.0	520.0	900.1	5 072.2
1998	1 663.8	2 114.6	520.6	904.9	5 203.8
1999	1 717.2	2 195.3	528.2	901.8	5 342.5
2000	1 741.2	2 257.6	526.2	842.8	5 367.9
2001	1 771.0	2 335.0	504.7	841.1	5 451.8
2002	1 818.2	2 344.0	506.7	855.8	5 524.7
2003	1 846.2	2 341.2	475.8	861.7	5 524.9
2004	1 870.8	2 459.2	496.1	875.4	5 701.5
2005	1 885.3	2 530.6	476.4	886.9	5 779.2
2006	1 885.2	2 709.6	486.0	848.7	5 929.4
2007	1 922.9	2 656.6	472.3	814.2	5 866.0

## AVERAGE ANNUAL CHANGE

% PER YEAR					
	ROAD (1)	RAIL	INLAND WATERWAYS	PIPELINES	TOTAL
2001	1.7	3.4	-4.1	-0.2	1.6
2002	2.7	0.4	0.4	1.8	1.3
2003	1.5	-0.1	-6.1	0.7	0.0
2004	1.3	5.0	4.3	1.6	3.2
2005	0.8	2.9	-4.0	1.3	1.4
2006	0.0	7.1	2.0	-4.3	2.6
2007	2.0	-2.0	-2.8	-4.1	-1.1
1990 - 1995	4.0	4.4	0.7	0.6	3.1
1995 - 2000	2.9	3.3	-0.3	-0.8	2.1
2000 - 2007	1.4	2.4	-1.5	-0.5	1.3

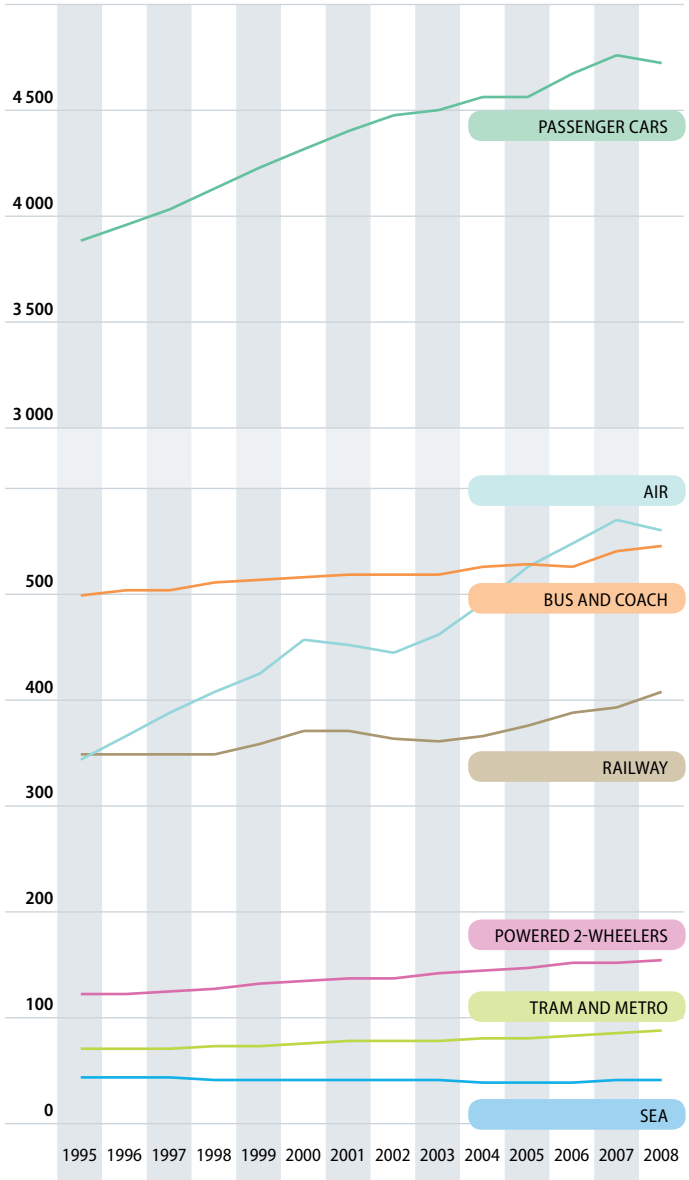
## MODAL SPLIT

%					
	ROAD (1)	RAIL	INLAND WATERWAYS	PIPELINES	
1990	29.8	37.3	12.4	20.5	
1995	31.2	39.7	11.0	18.1	
2000	32.4	42.1	9.8	15.7	
2001	32.5	42.8	9.3	15.4	
2002	32.9	42.4	9.2	15.5	
2003	33.4	42.4	8.6	15.6	
2004	32.8	43.1	8.7	15.4	
2005	32.6	43.8	8.2	15.3	
2006	31.8	45.7	8.2	14.3	
2007	32.8	45.3	8.1	13.9	

Notes: (1) Intercity truck traffic only.

## EU-27 Performance by Mode for Passenger Transport – 1995-2008

billion passenger-kilometres



## EU-27 Performance by Mode

### PASSENGER TRANSPORT

	thousand mio pkm							
	PASSENGER CARS	P2W	BUS AND COACH	RAILWAY	TRAM AND METRO	AIR	SEA	TOTAL
1995	3 893	122	500	351	71	346	44	5 327
1996	3 961	124	504	349	72	366	44	5 419
1997	4 039	126	505	351	73	390	44	5 527
1998	4 137	129	513	351	74	409	43	5 655
1999	4 240	133	515	359	75	425	43	5 789
2000	4 322	135	518	371	77	457	42	5 921
2001	4 406	138	520	373	78	453	42	6 009
2002	4 480	138	519	366	78	445	42	6 068
2003	4 511	142	520	362	79	463	41	6 119
2004	4 570	145	527	368	82	493	41	6 226
2005	4 564	148	528	377	82	527	40	6 266
2006	4 680	152	528	389	84	549	40	6 422
2007	4 760	152	542	395	86	572	41	6 549
2008	4 725	155	547	409	89	561	41	6 527
'95/'08	21.4%	26.9%	9.4%	16.7%	25.1%	62.1%	-7.9%	22.5%
/year	1.5%	1.8%	0.7%	1.2%	1.7%	3.8%	-0.6%	1.6%
'00/'08	9.3%	15.4%	5.5%	10.4%	15.3%	22.8%	-1.9%	10.2%
/year	1.1%	1.8%	0.7%	1.2%	1.8%	2.6%	-0.2%	1.2%
'07/'08	-0.7%	1.9%	0.9%	3.5%	3.5%	-1.9%	-0.2%	-0.3%

### MODAL SPLIT

	%						
	PASSENGER CARS	P2W	BUS AND COACH	RAILWAY	TRAM AND METRO	AIR	SEA
1995	73.1	2.3	9.4	6.6	1.3	6.5	0.8
1996	73.1	2.3	9.3	6.4	1.3	6.8	0.8
1997	73.1	2.3	9.1	6.3	1.3	7.1	0.8
1998	73.2	2.3	9.1	6.2	1.3	7.2	0.8
1999	73.2	2.3	8.9	6.2	1.3	7.3	0.7
2000	73.0	2.3	8.8	6.3	1.3	7.7	0.7
2001	73.3	2.3	8.7	6.2	1.3	7.5	0.7
2002	73.8	2.3	8.6	6.0	1.3	7.3	0.7
2003	73.7	2.3	8.5	5.9	1.3	7.6	0.7
2004	73.4	2.3	8.5	5.9	1.3	7.9	0.7
2005	72.8	2.4	8.4	6.0	1.3	8.4	0.6
2006	72.9	2.4	8.2	6.1	1.3	8.5	0.6
2007	72.7	2.3	8.3	6.0	1.3	8.7	0.6
2008	72.4	2.4	8.4	6.3	1.4	8.6	0.6

Notes: Air and Sea: only domestic and intra-EU-27 transport; provisional estimates.  
P2W: Powered 2-wheelers.



## Modal Split of Passenger Transport on Land by Country – 2007

	passenger-km in %			
	PASSENGER CARS	BUS AND COACH	RAILWAYS	TRAM & METRO
EU-27	81.9	9.5	7.1	1.5
EU-15	82.6	8.8	7.3	1.3
EU-12	77.3	13.6	6.1	3.0
BE	77.7	14.3	7.3	0.7
BG	72.2	23.1	3.9	0.8
CZ	69.3	15.4	6.5	8.8
DK	79.3	11.0	9.4	0.3
DE	84.1	6.3	8.1	1.6
EE	78.9	18.4	2.1	0.6
IE	83.6	12.8	3.4	0.2
EL	79.7	17.6	1.3	1.3
ES	78.8	14.1	5.6	1.5
FR	83.1	5.6	9.8	1.5
IT	81.8	11.8	5.7	0.7
CY	81.2	18.8	-	-
LV	82.1	12.0	4.6	1.2
LT	90.9	8.2	1.0	-
LU	84.2	11.4	4.3	-
HU	59.8	25.1	11.8	3.3
MT	80.8	19.2	-	-
NL	83.0	7.1	9.0	0.9
AT	75.1	9.8	11.1	4.1
PL	84.1	8.2	6.2	1.4
PT	84.3	10.6	4.1	1.1
RO	71.8	14.1	7.0	7.1
SI	86.2	10.9	2.9	-
SK	69.8	23.1	6.1	1.0
FI	83.9	10.0	5.4	0.7
SE	81.7	7.3	9.1	1.9
UK	85.6	6.6	6.6	1.2
HR	80.5	12.2	5.4	1.9
MK	78.3	19.4	2.3	-
TR				
IS	88.6	11.4	-	-
NO	87.7	6.8	4.7	0.8
CH	78.3	5.3	15.1	1.3

**Notes:** If powered two-wheelers are included, they account for 2.6% of the total in EU-27 (2.8% in EU-15, 1.8% in EU-12), while the share of the other modes becomes:

EU-27	79.7	9.2	6.9	1.5
EU-15	80.4	8.6	7.1	1.3
EU-12	75.9	13.4	6.0	2.9

## Passenger Cars

thousand mio pkm								%
	1990	1995	2000	2005	2006	2007	2008	CHANGE '07/'08
<b>EU-27</b>		<i>3 893.0</i>	<i>4 322.0</i>	<i>4 563.5</i>	<i>4 679.5</i>	<i>4 760.0</i>	<i>4 725.0</i>	-0.7
<b>EU-15</b>	<i>3 129.1</i>	<i>3 549.3</i>	<i>3 890.1</i>	<i>4 042.9</i>	<i>4 122.3</i>	<i>4 177.0</i>	<i>4 098.7</i>	-1.9
<b>EU-12</b>		<i>343.7</i>	<i>431.9</i>	<i>520.6</i>	<i>557.3</i>	<i>582.9</i>	<i>626.3</i>	7.4
BE	90.18	98.20	105.53	108.88	109.80	112.08	110.90	-1.1
BG		<i>25.00</i>	<i>26.90</i>	<i>35.10</i>	<i>37.60</i>	<i>40.40</i>	<i>43.20</i>	6.9
CZ		54.50	63.94	68.64	69.63	71.54	72.38	1.2
DK	47.65	48.69	51.21	50.75	51.57	52.91	52.86	-0.1
DE	683.10	815.30	831.27	856.88	863.33	868.00	852.27	-1.8
EE		<i>5.14</i>	<i>6.68</i>	<i>9.93</i>	<i>9.95</i>	<i>10.00</i>	<i>10.50</i>	5.0
IE	<i>28.51</i>	<i>31.56</i>	<i>38.38</i>	<i>43.39</i>	<i>45.14</i>	<i>47.47</i>	<i>49.03</i>	3.3
EL	<i>35.00</i>	<i>44.00</i>	<i>63.00</i>	<i>85.00</i>	<i>90.00</i>	<i>95.00</i>	<i>100.00</i>	5.3
ES	174.40	250.37	302.61	337.80	340.94	343.29	339.10	-1.2
FR	585.59	640.13	699.64	727.36	723.79	727.82	720.17	-1.1
IT	522.59	614.71	726.53	688.99	744.86	768.35	719.56	-6.3
CY		<i>3.40</i>	<i>3.90</i>	<i>4.80</i>	<i>5.00</i>	<i>5.30</i>	<i>5.75</i>	8.5
LV		<i>7.50</i>	<i>11.50</i>	<i>12.11</i>	<i>14.02</i>	<i>15.96</i>	<i>17.00</i>	6.5
LT		<i>16.00</i>	<i>26.00</i>	<i>34.79</i>	<i>39.47</i>	<i>39.12</i>	<i>38.00</i>	-2.9
LU	4.00	4.70	5.60	6.30	6.50	6.60	6.70	1.5
HU	47.00	45.40	46.18	46.60	46.85	41.42	42.00	1.4
MT		<i>1.70</i>	<i>1.80</i>	<i>2.00</i>	<i>2.05</i>	<i>2.10</i>	<i>2.15</i>	2.4
NL	137.30	131.40	141.10	148.80	148.00	148.80	147.00	-1.2
AT	55.68	62.16	66.67	70.56	70.89	72.02	73.28	1.7
PL		<i>110.70</i>	<i>149.70</i>	<i>197.30</i>	<i>219.24</i>	<i>239.26</i>	<i>273.50</i>	14.3
PT	<i>40.00</i>	<i>52.50</i>	<i>71.00</i>	<i>85.00</i>	<i>86.00</i>	<i>86.60</i>	<i>87.00</i>	0.5
RO		<i>40.00</i>	<i>51.00</i>	<i>61.00</i>	<i>64.10</i>	<i>67.50</i>	<i>70.50</i>	4.4
SI	13.32	16.34	20.33	22.51	23.01	24.34	24.88	2.2
SK		<i>17.98</i>	<i>23.93</i>	<i>25.82</i>	<i>26.34</i>	<i>25.99</i>	<i>26.40</i>	1.5
FI	51.20	50.00	55.70	61.91	62.46	63.79	63.40	-0.6
SE	85.95	87.62	91.87	97.31	96.99	99.32	98.42	-0.9
UK	588.00	618.00	640.00	674.00	682.00	685.00	679.00	-0.9
HR		<i>12.50</i>	<i>20.00</i>	<i>24.00</i>	<i>25.00</i>	<i>26.00</i>	<i>27.00</i>	3.8
MK		<i>3.70</i>	<i>4.20</i>	<i>4.50</i>	<i>4.60</i>	<i>4.70</i>	<i>5.00</i>	6.4
TR	34.33	<i>52.65</i>	<i>79.00</i>	<i>100.00</i>	<i>108.00</i>	<i>114.00</i>	<i>120.00</i>	5.3
IS		3.03	3.77	4.56	4.87	5.08	4.94	-2.6
NO	43.50	44.73	51.17	54.03	54.94	56.67	57.74	1.9
CH	73.27	73.49	78.63	81.42	81.89	82.49	83.57	1.3

**Notes:** Data are not harmonised and therefore not fully comparable.  
Many data for 2008 are provisional.

BE: include pkm by vehicles registered as light goods vehicles but used as personal cars;

UK: data refer to Great Britain only; include pkm by vans.

## Buses & Coaches

	thousand mio pkm							%
	1990	1995	2000	2005	2006	2007	2008	CHANGE '07/'08
<b>EU-27</b>	557.5	499.8	518.2	528.5	527.8	542.0	546.7	0.9
<b>EU-15</b>	368.7	378.7	402.9	417.6	418.1	433.0	436.4	0.8
<b>EU-12</b>	188.8	121.2	115.4	110.9	109.7	109.0	110.3	1.3
BE	11.37	13.12	13.30	17.52	18.08	20.22	20.37	0.7
BG	25.96	11.57	14.59	13.69	12.94	13.57	13.84	2.0
CZ		18.60	16.17	15.61	16.02	16.12	16.09	-0.2
DK	6.44	7.28	7.42	7.29	7.37	7.38	7.33	-0.7
DE	73.10	68.50	69.00	67.06	66.18	65.37	63.52	-2.8
EE	4.45	2.05	2.63	2.72	2.88	2.68	2.45	-8.4
IE	3.86	5.15	6.11	6.70	6.90	7.30	7.50	2.7
EL	17.72	20.22	21.70	21.70	21.80	22.00	22.10	0.5
ES	33.36	39.60	50.28	53.18	49.37	59.16	60.90	2.9
FR	41.28	41.59	42.97	44.15	44.87	47.11	48.55	3.1
IT	83.96	87.15	93.55	101.22	103.05	102.96	103.91	0.9
CY	0.80	1.00	1.12	1.26	1.28	1.30	1.33	2.3
LV	5.86	1.84	2.35	2.89	2.78	2.64	2.49	-5.9
LT	7.89	4.17	2.76	3.69	3.70	3.62	3.42	-5.5
LU	0.48	0.54	0.62	0.80	0.82	0.86	0.91	5.8
HU	19.26	16.61	18.73	17.85	17.93	17.15	17.65	3.0
MT	0.40	0.41	0.46	0.49	0.50	0.51	0.51	1.0
NL	13.00	12.00	11.25	11.75	12.00	12.25	12.50	2.0
AT	7.97	8.70	9.22	9.32	9.22	9.79	9.55	-2.4
PL	46.30	34.02	31.74	29.31	28.15	27.36	26.79	-2.1
PT	10.30	11.30	11.82	11.10	10.56	10.88	10.93	0.5
RO	24.01	12.34	12.00	11.81	11.74	12.16	13.88	14.2
SI	6.51	4.11	3.50	3.06	3.13	3.24	3.15	-2.8
SK		14.44	9.32	8.54	8.68	8.65	8.75	1.1
FI	8.50	8.00	7.70	7.54	7.54	7.54	7.54	0.0
SE	9.66	9.70	9.45	8.76	8.87	8.65	8.76	1.2
UK	47.70	45.80	48.50	49.50	51.50	51.50	52.00	1.0
HR	7.00	4.05	3.33	3.40	3.54	3.81	4.09	7.5
MK		0.90	0.90	1.09	1.02	1.03	1.24	20.6
TR		85.67	87.39	95.00	100.00	105.00	110.00	4.8
IS		0.39	0.49	0.59	0.62	0.65	0.64	-2.6
NO	3.89	3.75	4.14	4.31	4.26	4.27	4.36	2.2
CH	3.32	5.53	5.26	5.69	6.01	6.14	6.10	-0.6

**Notes:** Data are not harmonised and therefore not fully comparable.

Many data for 2008 are provisional.

CS: 1990: 43.4 (included in EU-27 and EU-12 totals);

RO: data include only regular interurban transport;

UK: GB data + 1.5 bln pkm throughout to account for Northern Ireland.

## Tram &amp; Metro

	thousand mio pkm							%
	1990	1995	2000	2005	2006	2007	2008	CHANGE '07/'08
<b>EU-27</b>		71.1	77.1	82.4	84.2	85.9	89.0	3.5
<b>EU-15</b>	49.0	48.8	54.7	59.9	61.6	63.2	64.7	2.4
<b>EU-12</b>		22.3	22.5	22.5	22.5	22.7	24.3	6.8
BE	0.74	0.80	0.87	0.93	0.95	0.97	1.00	3.1
BG	0.59	0.28	0.42	0.43	0.45	0.44	0.49	9.7
CZ		7.69	8.07	7.93	7.80	7.75	9.14	18.0
DK	-	-	-	0.16	0.16	0.18	0.20	10.2
DE	15.10	14.43	14.60	15.49	15.57	15.92	16.19	1.7
EE		0.11	0.10	0.08	0.08	0.08	0.08	-4.2
IE	-	-	-	0.11	0.11	0.18	0.14	-19.4
EL	0.83	0.74	1.19	1.50	1.55	1.60	1.66	3.7
ES	4.38	4.25	5.23	6.00	6.20	6.40	6.50	1.6
FR	10.18	8.93	10.85	12.44	12.73	12.64	13.33	5.4
IT	4.21	5.27	5.61	6.03	6.27	6.62	6.47	-2.2
CY	-	-	-	-	-	-	-	
LV	0.73	0.30	0.27	0.27	0.28	0.28	0.26	-7.6
LT	-	-	-	-	-	-	-	
LU	-	-	-	-	-	-	-	
HU		2.50	2.57	2.35	2.28	2.28	2.34	2.4
MT	-	-	-	-	-	-	-	
NL	1.26	1.38	1.43	1.50	1.50	1.52	1.55	2.0
AT	2.80	3.30	3.58	3.77	3.87	3.87	3.96	2.4
PL		5.00	4.70	4.40	4.45	4.60	4.60	0.0
PT	0.67	0.53	0.53	0.85	0.99	1.05	1.09	4.3
RO		6.00	6.00	6.60	6.80	6.90	7.00	1.4
SI	-	-	-	-	-	-	-	
SK		0.44	0.35	0.39	0.38	0.39	0.37	-7.0
FI	0.35	0.39	0.50	0.53	0.52	0.52	0.53	2.3
SE	2.01	1.94	1.98	2.01	2.14	2.20	2.24	1.6
UK	6.50	6.81	8.30	8.64	9.07	9.54	9.84	3.1
HR		0.53	0.50	0.53	0.56	0.66	0.62	-5.7
MK	-	-	-	-	-	-	-	
TR								
IS	-	-	-	-	-	-	-	
NO	0.42	0.38	0.50	0.52	0.51	0.54	0.57	6.9
CH		1.50	1.40	1.46	1.47	1.53	1.56	1.9

**Notes:** Data are not harmonised and therefore not fully comparable across countries.  
 FR: data refer to the Paris Metro and RER (Réseau Express Régional) systems and to metros in other French cities;  
 PT: data refer only to Lisbon and Porto Metro.

## Railways

	thousand mio pkm							%
	1990	1995	2000	2005	2006	2007	2008	CHANGE '07/'08
<b>EU-27</b>	400.7	350.5	370.7	377.0	388.9	395.3	409.2	3.5
<b>EU-15</b>	268.9	276.1	309.4	327.4	338.5	345.2	359.9	4.3
<b>EU-12</b>	131.8	74.4	61.4	49.6	50.3	50.1	49.3	-1.6
BE	6.54	6.76	7.73	9.15	9.61	9.93	10.40	4.7
BG	7.79	4.69	3.47	2.39	2.42	2.42	2.34	-3.7
CZ	13.31	8.02	7.30	6.67	6.92	6.90	6.80	-1.4
DK	5.05	4.89	5.54	5.97	6.11	6.18	6.28	1.7
DE	61.02	70.98	75.40	74.95	77.80	79.10	81.76	3.4
EE	1.51	0.42	0.26	0.25	0.26	0.27	0.27	0.1
IE	1.23	1.29	1.39	1.78	1.87	2.01	1.98	-1.5
EL	1.98	1.57	1.89	1.85	1.81	1.93	1.66	-14.3
ES	15.48	16.58	20.14	21.62	22.11	21.86	23.97	9.7
FR	63.74	55.56	69.87	76.47	78.79	80.31	84.97	5.8
IT	44.71	46.65	49.57	50.47	50.89	49.68	49.80	0.2
CY	-	-	-	-	-	-	-	-
LV	5.37	1.37	0.72	0.89	0.99	0.98	0.95	-3.3
LT	3.64	1.13	0.61	0.43	0.43	0.41	0.40	-2.7
LU	0.21	0.29	0.33	0.27	0.30	0.32	0.35	9.2
HU	11.40	8.44	9.69	9.85	9.66	8.75	8.29	-5.2
MT	-	-	-	-	-	-	-	-
NL	11.06	16.35	14.67	15.15	15.89	16.33	16.00	-2.0
AT	8.91	10.12	8.74	9.06	9.30	9.42	10.84	15.1
PL	50.37	26.64	24.09	18.16	18.55	19.86	20.19	1.7
PT	5.66	4.81	4.03	3.81	3.88	3.99	4.21	5.7
RO	30.58	18.88	11.63	7.99	8.09	7.48	6.88	-8.0
SI	1.43	0.60	0.71	0.78	0.80	0.81	0.83	2.7
SK	6.38	4.20	2.87	2.18	2.21	2.17	2.30	6.1
FI	3.33	3.18	3.41	3.48	3.54	3.78	4.05	7.3
SE	6.60	6.84	8.24	8.94	9.62	10.26	11.02	7.4
UK	33.40	30.27	38.41	44.42	47.04	50.17	52.68	5.0
HR	3.43	1.14	1.25	1.27	1.36	1.61	1.81	12.4
MK		0.10	0.10	0.09	0.11	0.11	0.15	35.8
TR	6.41	5.80	5.83	5.04	5.28	5.55	5.10	-8.2
IS	-	-	-	-	-	-	-	-
NO	2.10	2.38	2.64	2.72	2.83	2.97	3.06	3.0
CH	12.68	11.71	12.62	16.14	16.58	17.43	18.03	3.4

## Rail

## HIGH SPEED RAIL TRANSPORT (\*) (1)

	thousand mio pkm													EU-27	%
	BE	CZ	DE	ES	FR	IT	NL	PT	SI	FI	SE	UK	CHANGE		
1990	-	-	-	-	14.92	0.30	-	-	-	-	0.01	-	15.23		
1991	-	-	2.00	-	17.87	0.40	-	-	-	-	0.09	-	20.36	33.7	
1992	-	-	5.20	0.40	18.96	0.40	-	-	-	-	0.15	-	25.11	23.3	
1993	-	-	7.00	0.90	18.93	0.50	-	-	-	-	0.27	-	27.60	9.9	
1994	-	-	8.20	0.90	20.51	0.80	-	-	-	-	0.31	-	30.72	11.3	
1995	-	-	8.70	1.29	21.43	1.10	-	-	-	-	0.42	-	32.94	7.2	
1996	0.32	-	8.85	1.10	24.79	1.30	0.03	-	-	0.02	1.10	-	37.52	13.9	
1997	0.56	-	10.07	1.30	27.58	2.40	0.07	-	-	0.05	1.33	-	43.36	15.6	
1998	0.79	-	10.16	1.52	29.98	3.64	0.09	-	-	0.06	1.61	-	47.83	10.3	
1999	0.80	-	11.59	1.67	32.36	4.46	0.10	-	-	0.05	1.81	-	52.86	10.5	
2000	0.87	-	13.93	1.94	34.75	5.09	0.11	-	-	0.07	2.05	-	58.80	11.2	
2001	0.89	-	15.52	2.08	37.40	6.76	0.19	-	-	0.06	2.23	-	65.13	10.8	
2002	0.91	-	15.26	2.18	39.86	7.08	0.20	-	-	0.14	2.39	-	68.01	4.4	
2003	0.88	-	17.46	2.03	39.60	7.43	0.66	-	-	0.20	2.40	-	70.66	3.9	
2004	0.94	0.00	19.60	2.09	41.44	7.93	0.66	0.44	-	0.16	2.42	0.44	76.11	7.7	
2005	0.98	0.01	20.85	2.32	43.13	8.55	0.69	0.49	-	0.31	2.33	0.45	80.11	5.3	
2006	1.00	0.15	21.64	2.70	44.85	8.91	0.73	0.51	-	0.44	2.49	0.90	84.32	5.2	
2007	1.02	0.33	21.92	2.59	47.97	8.82	0.80	0.51	-	0.58	2.78	1.39	88.70	5.2	
2008	1.08	0.25	23.33	5.48	52.56	8.88	0.87	0.53	0.01	0.62	2.99	0.99	97.60	10.0	

SHARE OF HIGH SPEED RAIL TRANSPORT  
IN TOTAL PASSENGER-KILOMETRES IN RAIL TRANSPORT (\*\*)

														%
	BE	CZ	DE	ES	FR	IT	NL	PT	SI	FI	SE	UK	EU-27	
2000	11.2		18.5	9.6	49.7	10.3	0.8			2.1	24.8		15.9	
2001	11.1		20.5	10.0	52.3	13.5	1.3			1.8	25.5		17.5	
2002	11.0		21.5	10.3	54.2	14.4	1.4			4.1	26.9		18.6	
2003	10.6		24.5	9.6	55.2	15.3	4.8			6.0	27.2		19.5	
2004	10.8	0.0	27.0	10.2	55.8	16.1	4.5	11.8		4.8	28.0	1.0	20.7	
2005	10.7	0.1	27.8	10.7	56.4	16.9	4.5	12.9		8.9	26.1	1.0	21.3	
2006	10.4	2.1	27.8	12.2	56.9	17.5	4.6	13.1		12.3	25.9	1.9	21.7	
2007	10.2	4.8	27.7	11.9	59.7	17.7	4.9	12.7		15.4	27.0	2.8	22.4	
2008	10.4	3.7	28.5	22.9	61.9	17.8	5.4	12.5	1.7	15.4	27.2	1.9	23.9	

Notes: (1) In this table, high-speed rail transport covers all traffic with high-speed rolling stock (incl. tilting trains able to run 200 km/h). This does not necessarily require high-speed infrastructure as defined in table 3.5.4.

## USA

## PERFORMANCE BY MODE OF TRANSPORT: PASSENGERS

thousand mio pkm

	PASSENGER CARS (*)	MOTOR- CYCLES	RAILWAY	BUS	LIGHT AND COMMUTER RAIL	AIR	TOTAL
1990	5 280.5	20.0	28.2	195.7	12.3	556.6	6 093.3
1995	5 702.0	17.3	25.9	219.3	14.7	650.0	6 629.2
1996	5 850.6	17.6	26.7	224.2	15.0	699.5	6 833.5
1997	6 021.7	17.8	27.7	233.8	14.6	725.2	7 040.9
1998	6 186.9	18.2	28.3	239.4	15.8	745.5	7 234.2
1999	6 320.7	18.7	29.3	261.7	16.0	785.9	7 432.5
2000	6 456.9	18.5	31.1	259.3	17.3	855.1	7 638.2
2001	6 816.1	18.9	31.8	241.8	17.7	808.5	7 934.8
2002	6 912.4	19.5	30.8	233.9	17.6	778.0	7 992.2
2003	6 997.4	19.6	31.0	231.7	17.8	813.1	8 110.6
2004	7 188.3	20.7	32.0	232.3	18.2	897.8	8 389.3
2005	7 248.7	21.4	31.9	238.4	18.0	939.5	8 497.9
2006	7 318.9	24.6	32.4	231.7	19.7	947.0	8 574.3
2007	7 356.0	27.8	35.3	238.4	21.0	977.8	8 656.3
2008	7 201.8	29.6	37.1	243.0	21.1	939.1	8 471.6

## AVERAGE ANNUAL CHANGE

% PER YEAR

	PASSENGER CARS (*)	MOTOR- CYCLES	RAILWAY	BUS	LIGHT AND COMMUTER RAIL	AIR	TOTAL
2002	1.4	3.2	-3.1	-3.3	-0.4	-3.8	0.7
2003	1.2	0.3	0.8	-0.9	0.9	4.5	1.5
2004	2.7	5.7	3.0	0.3	2.4	10.4	3.4
2005	0.8	3.3	-0.3	2.6	-1.1	4.6	1.3
2006	1.0	15.3	1.7	-2.8	9.4	0.8	0.9
2007	0.5	13.0	8.9	2.9	6.9	3.2	1.0
2008	-2.1	6.3	5.0	1.9	0.3	-4.0	-2.1
'90/'95	1.5	-2.8	-1.7	2.3	3.5	3.1	1.7
'95/'00	2.5	1.3	3.7	3.4	3.4	5.6	2.9
'00/'08	1.4	6.0	2.2	-0.8	2.5	1.2	1.3

## MODAL SPLIT

%

	PASSENGER CARS (*)	MOTOR- CYCLES	RAILWAY	BUS	LIGHT AND COMMUTER RAIL	AIR
1990	86.7	0.3	0.5	3.2	0.2	9.1
1995	86.0	0.3	0.4	3.3	0.2	9.8
2000	84.5	0.2	0.4	3.4	0.2	11.2
2001	85.9	0.2	0.4	3.0	0.2	10.2
2002	86.5	0.2	0.4	2.9	0.2	9.7
2003	86.3	0.2	0.4	2.9	0.2	10.0
2004	85.7	0.2	0.4	2.8	0.2	10.7
2005	85.3	0.3	0.4	2.8	0.2	11.1
2006	85.4	0.3	0.4	2.7	0.2	11.0
2007	85.0	0.3	0.4	2.8	0.2	11.3
2008	85.0	0.3	0.4	2.9	0.2	11.1

Notes: (\*) Passenger Cars (2008: 4 109 billion pkm) and other 2-axle 4-tyre vehicles (2008: 3 093 billion pkm).  
Air: up until 2001: including General aviation.

## Air

### PASSENGER TRAFFIC BETWEEN MEMBER STATE<sup>2</sup>

REPORTER	TOTAL PASSENGERS CARRIED (*)												
	PARTNER												
	BE	BG	CZ	DK	DE	EE	IE	EL	ES	FR	IT	CY	LV
BE	48.0	146.8	309.3	474.9	1376.5	30.5	398.9	773.8	3545.9	1293.3	2298.4	55.0	72.2
BG	144.3	140.8	305.9	134.2	1269.3	14.3	90.2	116.1	206.7	213.0	294.1	81.2	11.1
CZ	307.0	300.9	271.1	272.3	1104.2	85.1	320.1	802.8	837.1	846.6	914.0	113.9	79.6
DK	467.1	144.5	274.8	2004.1	2159.5	146.8	250.6	657.3	2113.4	1182.3	873.2	74.7	176.9
DE	1357.4	1252.0	1081.4	2145.3	25183.1	184.9	1548.3	4756.8	21701.8	6994.8	10504.6	334.1	554.2
EE	30.3	14.5	85.0	146.7	185.9	21.0	14.1	40.7	67.0	16.7	45.1	0.7	77.7
IE	399.4	104.4	323.3	250.5	1558.9	13.9	845.3	154.7	3544.1	2027.2	1158.5	40.3	216.5
EL	757.3	117.4	815.4	654.1	4834.1	40.7	155.9	6564.2	546.8	1659.4	2159.0	1215.4	52.7
ES	3588.1	209.3	868.1	2030.0	22038.4	66.8	3519.3	549.2	40791.9	8435.0	9909.9	1.6	63.6
FR	1233.6	212.2	845.7	1109.0	7108.5	16.8	1981.0	1554.9	8401.7	26933.9	8020.5	113.6	81.4
IT	2306.1	293.6	916.0	877.4	10359.4	44.9	1154.7	2188.3	9852.6	8257.3	28337.9	84.1	171.3
CY	41.5	81.9	118.0	74.0	336.2	1.1	38.9	1215.7	1.6	124.4	84.0	0.2	2.8
LV	70.8	10.6	79.7	179.5	558.1	78.1	217.2	52.4	60.6	81.5	169.6	2.8	30.9
LT	59.4	7.9	91.9	220.4	258.8	83.1	235.2	62.1	71.5	60.5	107.2	4.5	85.9
LU	2.2	11.8	5.7	76.2	236.5	0.0	17.7	57.0	234.8	122.0	103.7	8.6	0.1
HU	269.0	128.2	157.8	170.8	1428.3	0.0	258.8	275.5	306.9	448.5	473.9	57.7	0.0
MT	82.4	15.8	8.4	38.2	477.1	0.2	60.5	25.3	126.4	154.0	485.7	26.7	0.2
NL	206.4	146.4	446.9	993.7	2683.3	86.1	778.2	1480.4	4893.2	2597.9	2746.2	103.8	103.7
AT	468.8	395.4	141.3	396.5	5824.9	29.8	186.5	872.4	1205.7	1011.0	1072.0	170.6	62.5
PL	351.1	134.6	171.3	390.7	2789.4	14.2	1040.9	545.2	653.3	808.4	800.5	62.8	33.2
PT	752.3	10.1	74.1	209.8	2539.2	10.8	641.8	8.2	2891.2	2396.9	1049.9	0.2	0.5
RO	174.4	34.5	119.1	34.7	1024.9	0.0	47.4	292.8	865.2	446.6	1531.2	102.9	0.2
SI	100.8	3.9	36.5	19.7	226.4	0.1	3.2	101.9	22.4	142.8	2.1	1.1	0.1
SK	0.1	71.7	261.7	0.2	146.3	0.2	206.2	156.1	86.2	114.7	193.3	6.3	0.0
FI	212.0	104.9	137.2	759.1	1481.5	179.0	81.0	346.9	989.9	516.5	532.0	60.9	236.9
SE	373.7	117.4	158.3	1666.3	2574.0	169.5	165.1	709.9	2070.7	1203.7	758.3	231.8	217.4
UK	1398.2	992.3	1817.0	2401.5	11148.3	156.8	12253.6	5199.4	34555.8	12160.3	10738.5	2951.2	464.2

Notes: (\*) passengers carried are fewer than passengers on board, due to transit passengers staying on board the aircraft not being counted.



# Air

## PASSENGER TRAFFIC BETWEEN MEMBER STATES

2008

## INCLUDING DOMESTIC FLIGHTS (THOUSAND)

LT	LU	HU	MT	NL	AT	PL	PT	RO	SI	SK	FI	SE	UK
66.5	0.7	273.8	84.4	219.4	472.5	351.7	744.6	184.8	101.0	0.0	214.5	375.9	1396.3
7.8	10.9	137.0	15.3	145.9	395.8	138.6	10.0	31.2	3.8	81.6	104.3	123.9	953.4
91.5	5.5	169.3	8.4	444.0	142.9	171.1	66.9	119.0	36.7	274.3	142.8	159.0	1811.4
221.4	76.3	171.9	35.6	994.9	399.1	395.1	213.4	36.0	20.0	0.2	762.4	1746.5	2404.5
464.4	207.1	1474.9	479.0	2672.4	5820.6	2801.8	2503.4	1108.1	225.4	147.4	1481.3	2591.1	11025.6
83.2			0.3	86.5	29.7	14.3	10.3		0.0	0.5	174.0	163.6	158.1
237.6	17.7	276.7	61.0	773.9	188.3	1227.9	633.0	47.7	3.2	209.0	82.5	165.2	12195.2
62.7	56.0	283.2	25.6	1470.0	878.4	566.3	9.3	298.7	101.3	159.2	353.6	711.0	5196.3
69.7	237.5	320.3	127.2	4891.5	1227.5	649.2	2822.8	905.9	23.4	86.7	1002.0	2152.2	34773.1
58.6	119.1	459.8	154.4	2429.4	1015.1	785.1	2360.5	490.8	142.2	114.5	516.5	1156.2	11618.8
107.5	103.4	477.7	516.1	2745.0	1075.6	788.7	1067.4	1657.2	2.6	192.8	532.1	739.4	10693.9
4.6	8.6	57.8	26.7	104.2	172.6	62.8	0.1	101.6	1.1	6.4	63.1	239.2	2959.7
86.5	0.1	0.0	0.2	103.1	63.0	33.4	0.5	0.3	0.1	0.1	240.0	217.3	464.4
0.2	0.0	1.0	5.7	94.2	38.5	46.1	1.2	0.2		0.1	104.4	47.6	356.9
0.0	0.3	0.0	4.6	74.4	64.3	0.0	131.4	1.6	0.2	0.0	0.0	3.1	227.2
1.0	0.0	0.0	18.8	357.1	71.9	120.5	55.3	265.7	21.4	0.3	179.2	272.8	1053.1
5.7	4.2	18.8	0.0	76.6	73.6	6.1	4.6	8.1	3.8	0.0	17.2	57.6	1071.3
93.0	74.9	358.7	76.2	43.6	603.8	379.3	1028.5	302.0	29.3	0.4	427.7	1005.1	7678.7
38.7	60.1	72.3	60.6	600.5	701.9	274.3	93.7	503.0	80.9	32.3	211.5	340.8	1808.8
46.2	0.1	121.2	5.9	378.0	272.3	957.3	65.6	60.3	12.9	1.2	195.4	542.7	4338.9
1.3	150.1	50.4	4.8	1056.9	94.9	72.3	2876.6	27.4	0.2	0.8	123.4	175.5	5473.1
0.0	0.0	204.4	6.2	299.2	448.8	65.8	25.0	670.5	7.5	0.2	27.4	0.1	477.8
0.0	0.2	20.4	3.7	29.1	82.1	12.9	0.2	6.4	0.0	0.1	27.4	8.3	158.1
	0.0	0.1	0.0	0.7	32.3	1.1	0.9	0.2	0.1	192.7	0.4	64.3	674.7
104.0	0.1	177.3	14.9	426.2	210.7	194.0	121.2	25.4	27.4	0.3	2729.1	1259.8	953.2
48.0	3.1	272.7	57.3	962.9	340.0	545.6	178.3	0.2	8.1	64.9	1263.5	6740.6	2299.2
358.6	245.4	1096.2	1100.8	7656.4	1825.5	5022.8	5435.0	488.4	158.4	715.6	960.9	2296.4	24888.5

## Air

### MAJOR REGULAR EUROPEAN AIRLINES

#### DOMESTIC + INTERNATIONAL

RANKING	THOUSAND MILLION REVENUE PASSENGER-KILOMETRES						%	
	AIRLINE AND COUNTRY		2000	2005	2006	2007		2008
1	Air France (1)	FR	91.848	115.879	123.336	128.754	131.657	2.3
2	Deutsche Lufthansa	DE	94.289	112.794	114.672	122.091	126.267	3.4
3	British Airways	UK	119.385	110.939	114.896	118.348	115.734	-2.2
4	KLM Royal Dutch Airlines (1)	NL	60.331	68.322	71.769	74.496	77.530	4.1
5	Ryanair (2)	IE	4.989	32.560	39.801	48.147	56.500	17.3
6	Iberia	ES	40.043	48.917	52.423	54.198	52.846	-2.5
7	Easyjet (3)	UK	4.730	27.448	31.621	36.976	47.690	29.0
8	Air Berlin	DE	7.813	20.530	42.770	46.070	44.310	-3.8
9	Virgin Atlantic Airways	UK	29.471	32.118	35.279	40.546	41.174	1.5
10	THY Turkish Airlines	TR	17.396	20.452	24.334	28.827	31.953	10.8
11	Alitalia	IT	40.846	37.236	37.736	38.079	29.205	-23.3
12	SWISS Intern. Airlines	CH	3.481	20.471	22.076	25.106	28.140	12.1
13	SAS Scandinavian Airlines	DK/ NO /SE	22.922	27.724	27.506	27.304	27.890	2.1
14	TAP Portugal	PT	10.414	14.536	16.649	19.135	21.908	14.5
15	Finnair	FI	7.467	11.174	12.658	15.563	16.708	7.4
16	Austrian Airlines	AT	8.799	18.835	19.890	17.427	16.458	-5.6
17	Aer Lingus	IE	8.900	13.100	13.363	14.807	16.277	9.9
18	bmi British Midland Airways	UK	4.484	5.558	8.652	9.724	10.325	6.2
19	Spanair	ES	9.656	6.189	8.325	9.543	8.900	-6.7
20	SN Brussels Airlines	BE	2.347	4.559	4.851	7.555	7.365	-2.5
21	LOT Polish Airlines	PL	5.714	6.223	6.720	7.288	6.711	-7.9
22	Olympic Airlines	EL	8.884	7.340	7.042	7.231	6.610	-8.6
23	CSA Czech Airlines	CZ	3.623	6.390	6.388	6.051	5.952	-1.6
24	Air One	IT		3.153	3.345	4.081	4.229	3.6
25	Malev Hungarian Airlines	HU	3.556	3.732	4.140	4.165	4.062	-2.5
26	Icelandair	IS	4.113	4.307	4.254	4.354	3.829	-12.1
27	Cyprus Airways	CY	2.787	3.187	3.267	3.383	3.380	-0.1
28	Air Malta	MT	2.923	2.250	2.385	2.230	2.305	3.4
29	TAROM Romanian Air Transport	RO	2.160	1.448	1.537	2.063	2.158	4.6
30	Croatia Airlines	HR	0.644	0.974	1.005	1.084	1.217	12.3
31	JAT airways	SB		0.959	1.095	1.144	1.147	0.3
32	Adria Airways	SI	0.866	0.707	0.773	0.863	1.003	16.2
33	Luxair	LU	0.997	0.565	0.515	0.466	0.495	6.2

**Notes:** Scheduled and non-scheduled flights.

(1) Air France and KLM merged in 2004 to build Air France KLM Group.

(2) Ryanair: Year up to 30 March of the following year. 2008: own estimation, based on evolution of passenger numbers.

(3) Easyjet: Financial year up to 30 September of the year indicated.

## Air

### PASSENGER TRAFFIC AT MAJOR EU AIRPORTS

#### PASSENGERS CARRIED (\*)

RANKING	(arriving + departing + in transit)		MILLION PASSENGERS					% CHANGE '07/'08
			2000	2005	2006	2007	2008	
AIRPORT AND COUNTRY								
1	London / Heathrow	UK	64.29	67.68	67.34	67.85	66.91	-1.4
2	Paris / Charles de Gaulle	FR	49.67	53.38	56.45	59.55	60.50	+1.6
3	Frankfurt (Main)	DE	48.96	51.79	52.40	53.86	53.19	-1.2
4	Madrid / Barajas	ES	32.71	41.72	45.06	51.21	50.37	-1.6
5	Amsterdam / Schiphol	NL	39.27	44.08	46.00	47.76	47.40	-0.7
6	Roma / Fiumicino	IT	25.94	27.78	28.95	32.40	34.81	+7.4
7	München	DE	22.87	28.45	30.61	33.82	34.40	+1.7
8	London / Gatwick	UK	31.95	32.69	34.08	35.17	34.16	-2.9
9	Barcelona	ES	19.44	27.02	29.90	32.74	30.36	-7.3
10	Paris / Orly	FR	23.83	24.85	25.60	26.42	26.19	-0.9
11	Dublin	IE	13.66	18.33	21.06	23.20	23.38	+0.8
12	Palma de Mallorca	ES	19.25	21.22	22.40	23.17	22.81	-1.6
13	London / Stansted	UK	11.86	21.99	23.68	23.76	22.34	-6.0
14	København / Kastrup	DK	18.11	19.82	20.69	21.29	21.69	+1.8
15	Manchester	UK	18.32	22.08	22.12	21.89	21.06	-3.8
16	Wien / Schwechat	AT	11.91	15.80	16.81	18.72	19.69	+5.2
17	Milano / Malpensa	IT	20.55	19.49	21.62	23.63	19.01	-19.5
18	Brussel-Bruxelles / Brussels	BE	21.60	15.95	16.59	17.74	18.37	+3.5
19	Stockholm / Arlanda	SE	18.61	17.16	17.54	17.90	18.13	+1.2
20	Düsseldorf	DE	15.91	15.39	16.51	17.78	18.10	+1.8
21	Athinai / Eleftherios Venizelos	EL	13.35	14.27	15.07	16.53	16.36	-1.0
22	Berlin / Tegel	DE	10.24	11.47	11.77	13.33	14.45	+8.4
23	Lisboa	PT	9.21	11.24	12.28	13.39	13.60	+1.6
24	Helsinki / Vantaa	FI	10.00	11.13	12.14	13.15	13.43	+2.2
25	Hamburg	DE	9.82	10.57	11.87	12.69	12.78	+0.7
26	Malaga	ES	9.36	12.61	13.04	13.57	12.75	-6.0
27	Praha / Ruzyně	CZ	5.55	10.72	11.51	12.36	12.59	+1.8
28	Nice / Côte d'Azur	FR	9.33	9.74	9.93	10.38	10.36	-0.2
29	Köln-Bonn	DE	6.19	9.39	9.81	10.40	10.30	-1.0
30	London / Luton	UK	6.16	9.13	9.41	9.92	10.17	+2.6
31	Las Palmas / Gran Canaria	ES	9.12	9.69	9.97	10.04	9.98	-0.6
32	Stuttgart	DE	7.98	9.25	10.02	10.27	9.88	-3.8
33	Birmingham	UK	7.49	9.31	9.06	9.13	9.58	+4.8
34	Alicante	ES	5.98	8.93	8.86	9.09	9.56	+5.2
35	Warszawa / Okęcie	PL	4.33	7.08	8.12	9.23	9.48	+2.8
36	Milano / Linate	IT	6.02	9.09	9.69	9.91	9.26	-6.5
37	Edinburgh	UK	5.37	8.45	8.61	9.04	8.99	-0.5
38	Budapest / Ferihegy	HU	4.68	7.92	8.25	8.58	8.43	-1.8
39	Glasgow	UK	6.81	8.78	8.82	8.73	8.14	-6.8
40	Tenerife Sur / Reina Sofia	ES	8.72	8.78	8.53	8.33	8.05	-3.3

Notes: (\*) 'Passengers carried' do not include direct transit passengers, i.e. transit passengers who stay on board the aircraft and continue their flight with the same flight number. Where the number of passengers carried was not available, the number of 'passengers on board' (i.e. incl. direct transit passengers) is given *in italics*.

## Air: MAIN INTRA-EU AIRPORT PAIRS IN PASSENGER TRANSPORT

### TOTAL PASSENGERS CARRIED

		THOUSAND			
		(arriving + departing from first named airport)			
RANKING	AIRPORT PAIRS	2005	2006	2007	2008
	1	Madrid / Barajas – Barcelona	4 358.3	4 442.4	4 627.4
2	Milano / Linate – Roma / Fiumicino	2 414.6	2 387.0	2 510.1	2 476.2
3	Paris / Orly – Toulouse / Blagnac	2 327.1	2 350.5	2 327.1	2 325.3
4	Nice / Côte d'Azur – Paris / Orly	2 262.6	2 318.9	2 311.7	2 280.9
5	London / Heathrow – Dublin	2 089.4	1 991.1	1 974.4	1 811.5
6	London / Heathrow – Amsterdam / Schiphol	1 895.0	1 846.4	1 799.1	1 709.4
7	Palma de Mallorca – Madrid / Barajas	1 641.5	1 757.3	1 758.0	1 707.7
8	München – Hamburg	1 450.5	1 582.9	1 756.9	1 704.8
9	Catania / Fontanarossa – Roma / Fiumicino	1 368.7	1 371.6	1 534.2	1 668.7
10	Frankfurt (Main) – Berlin / Tegel	1 545.6	1 541.1	1 647.9	1 600.8
11	Las Palmas / Gran Canaria – Madrid / Barajas	1 388.1	1 434.4	1 541.3	1 596.7
12	Palma de Mallorca – Barcelona	1 689.3	1 740.3	1 784.9	1 585.9
13	München – Düsseldorf	1 381.5	1 362.2	1 528.9	1 562.5
14	München – Berlin / Tegel	1 419.2	1 424.7	1 509.9	1 550.8
15	London / Heathrow – Paris / Charles de Gaulle	2 011.1	1 970.8	1 790.0	1 489.5
16	Roma / Fiumicino – Paris / Charles de Gaulle	1 238.4	1 269.6	1 336.6	1 439.6
17	Tenerife Norte – Madrid / Barajas	1 359.4	1 170.1	1 191.0	1 333.5
18	London / Heathrow – Edinburgh	1 659.9	1 495.0	1 436.5	1 318.9
19	London / Heathrow – Frankfurt (Main)	1 530.4	1 513.3	1 450.1	1 272.0
20	Roma / Fiumicino – Palermo / Punta Raisi	1 111.2	1 134.8	1 244.2	1 258.6
21	Hamburg – Frankfurt (Main)	1 288.3	1 289.7	1 297.4	1 254.2
22	Amsterdam / Schiphol – Barcelona	1 103.9	1 235.2	1 271.7	1 230.0
23	Paris / Charles de Gaulle – Madrid / Barajas	859.9	1 072.4	1 235.7	1 229.5
24	München – Köln-Bonn	1 165.3	1 209.3	1 235.0	1 224.4
25	Stockholm / Arlanda – København / Kastrup	1 230.0	1 170.2	1 196.4	1 207.6
26	Madrid / Barajas – Roma / Fiumicino	958.1	1 111.3	1 225.7	1 186.7
27	Thessaloniki – Athinaï / Eleftherios Venizelos	1 113.5	1 117.3	1 209.9	1 171.5
28	Paris / Charles de Gaulle – Barcelona	876.3	1 004.3	1 095.8	1 154.9
29	London / Heathrow – Madrid / Barajas	1 118.9	1 120.4	1 180.3	1 151.9
30	Köln-Bonn – Berlin / Tegel	916.6	839.6	1 142.9	1 148.7
31	Paris / Orly – Marseille / Provence	1 344.0	1 276.9	1 230.6	1 145.3
32	Glasgow – London / Heathrow	1 425.5	1 283.9	1 207.1	1 144.1
33	Frankfurt (Main) – München	1 303.1	1 278.0	1 217.8	1 130.8
34	Amsterdam / Schiphol – Paris / Charles de Gaulle	1 038.7	1 036.5	1 144.8	1 103.1
35	Madrid / Barajas – Paris / Orly	964.3	1 015.6	1 078.9	1 101.0
36	Pointe-à-Pitre (Guadeloupe) / Pôle Caraïbes – Paris / Orly	987.6	1 029.3	1 093.5	1 098.3
37	Madrid / Barajas – Malaga	1 328.9	1 423.9	1 502.4	1 094.7
38	Malaga – London / Gatwick	978.6	937.7	967.6	1 086.6
39	Dublin – London / Gatwick	626.3	747.1	883.6	1 076.8
40	Frankfurt (Main) – Paris / Charles de Gaulle	985.4	986.7	1 062.9	1 018.9

## Air: MAIN CONNECTIONS BETWEEN EU AND NON-EU AIRPORTS IN PASSENGER TRANSPORT

### TOTAL PASSENGERS CARRIED

(arriving + departing from first named airport)

THOUSAND

RANKING	AIRPORT PAIRS	THOUSAND			
		2005	2006	2007	2008
1	London / Heathrow – New York / J.F. Kennedy Intl, NY, USA	2 940	2 752	2 839	2 803
2	London / Heathrow – Dubai Intl, United Arab Emirates	1 183	1 374	1 571	1 652
3	London / Heathrow – Hong Kong Intl, China	1 258	1 417	1 453	1 494
4	London / Heathrow – Los Angeles Intl, CA, USA	1 383	1 429	1 406	1 461
5	London / Heathrow – Chicago / O'Hare Intl, IL, USA	1 522	1 521	1 605	1 460
6	København / Kastrup – Oslo / Gardermoen, Norway	1 247	1 285	1 332	1 302
7	Paris / Charles de Gaulle – New York / J.F. Kennedy Intl, NY, USA	1 730	1 659	1 729	1 214
8	Paris / Charles de Gaulle – Montreal / Pierre Elliot Trudeau Intl, Canada	929	977	1 057	1 105
9	London / Heathrow – Singapore / Changi, Singapore	996	1 086	1 075	1 066
10	Stockholm / Arlanda – Oslo / Gardermoen, Norway	937	1 036	1 057	1 047
11	London / Heathrow – Washington / Dulles Intl, DC, USA	1 074	1 040	1 055	1 041
12	London / Heathrow – Toronto / Lester B. Pearson Intl, Canada	1 067	1 046	1 024	993
13	London / Heathrow – San Francisco Intl, CA, USA	1 005	1 027	1 032	986
14	London / Heathrow – Johannesburg Intl, South Africa	995	998	1 003	944
15	Madrid / Barajas – Bueons Aires / Ezeiza Ministro Pistarini, Argentina	873	965	992	919
16	Paris / Charles de Gaulle – Tokio Intl, Japan	926	955	972	919
17	London / Heathrow – Newark / Liberty Intl, NJ, USA	740	689	710	883
18	London / Heathrow – Zürich, Switzerland	905	940	909	870
19	London / Heathrow – Boston / Gen. E. Lawrence Logan Intl, MA, USA	929	931	889	843
20	London / Heathrow – Mumbai / Chhatrapati Shivaji Intl, India	725	1 007	1 006	840
21	London / Heathrow – Sydney / Kingsford Smith Intl, Australia	823	797	824	832
22	London / Heathrow – Narita Intl, Japan	992	915	886	831
23	Frankfurt (Main) – Chicago / O'Hare Intl, IL, USA	827	857	858	830
24	London / Heathrow – Miami Intl, FL, USA	878	837	834	830
25	Amsterdam / Schiphol – Detroit / Metropolitan Wayne County, MI, USA	776	717	739	792
26	Frankfurt (Main) – Narita Intl, Japan	780	796	787	768
27	London / Gatwick – Orlando Intl, FL, USA	739	668	687	743
28	Frankfurt (Main) – Washington / Dulles Intl, DC, USA	709	793	795	738
29	Paris / Charles de Gaulle – Tel Aviv / Ben Gurion, Israel	608	644	711	735
30	Berlin / Tegel – Zürich, Switzerland	467	574	641	730
31	Wien / Schwechat – Zürich, Switzerland	597	623	692	717
32	London / Heathrow – New Delhi / Indira Gandhi Intl, India	384	600	665	716
33	Paris / Charles de Gaulle – Genève / Cointrin, Switzerland	695	692	710	711
34	Paris / Charles de Gaulle – Zürich, Switzerland	630	665	684	703
35	London / Gatwick – Genève / Cointrin, Switzerland	643	712	687	702
36	Frankfurt (Main) – Singapore / Changi, Singapore	721	722	711	694
37	Paris / Orly – Marrakech / Menara, Morocco	502	619	687	691
38	Frankfurt (Main) – Istanbul / Atatürk, Turkey	661	650	686	675
39	Frankfurt (Main) – New York / J.F. Kennedy Intl, NY, USA	726	685	696	673
40	Düsseldorf – Zürich, Switzerland	444	503	569	661

## Air

### FREIGHT TRAFFIC AT MAJOR EU AIRPORTS

#### CARGO AND MAIL LOADED AND UNLOADED

RANKING	THOUSAND TONNES					%	
	AIRPORT AND COUNTRY	2000	2005	2006	2007		2008
1	Frankfurt (Main) DE	1 703.4	1 950.6	2 117.9	2 162.2	2 104.3	-2.7
2	Amsterdam / Schiphol NL	1 222.5	1 495.6	1 566.7	1 651.0	1 592.5	-3.5
3	London / Heathrow UK	1 306.8	1 389.3	1 342.6	1 393.2	1 482.7	+6.4
4	Paris / Charles de Gaulle FR	<i>1 067.0</i>	1 217.8	1 340.4	1 434.8	1 392.1	-3.0
5	Luxembourg LU	499.9	624.8	633.7	702.8	788.2	+12.2
6	Brussel-Bruxelles / Brussels BE	<i>687.4</i>	694.5	713.5	734.2	614.4	-16.3
7	Köln-Bonn DE	438.3	646.8	691.0	709.3	574.1	-19.1
8	Leipzig-Halle DE	13.7	12.3	26.8	86.1	430.2	+399.7
9	Milano / Malpensa IT	295.7	383.8	417.6	482.6	414.1	-14.2
10	Liège / Bierset BE	270.3	325.7	323.2	363.7	381.6	+4.9
11	Madrid / Barajas ES	305.2	360.3	344.2	341.6	355.0	+3.9
12	Nottingham East Midlands UK	178.8	292.1	298.3	318.4	292.4	-8.2
13	München DE	148.4	218.2	238.1	265.3	264.9	-0.1
14	København / Kastrup DK	<i>419.4</i>	<i>355.1</i>	<i>380.0</i>	<i>395.5</i>	246.8	
15	London / Stansted UK	167.8	254.8	241.3	225.3	230.1	+2.1
16	Wien / Schwechat AT	65.9	180.0	201.8	204.9	201.3	-1.8
17	Roma / Fiumicino IT	<i>153.3</i>	131.9	140.2	153.9	153.0	-0.6
18	Manchester UK	116.6	150.0	150.3	166.1	142.6	-14.2
19	Helsinki / Vantaa FI	96.1	114.9	123.5	141.3	141.5	+0.2
20	Frankfurt / Hahn DE	75.0	100.9	113.2	111.7	122.1	+9.3
21	Bergamo / Orio al Serio IT	98.9	135.1	139.4	133.8	122.1	-8.7
22	Stockholm / Arlanda SE	<i>154.0</i>	<i>158.0</i>	<i>168.8</i>	<i>191.8</i>	121.4	
23	London / Gatwick UK	318.8	232.1	219.9	176.6	112.4	-36.4
24	Barcelona ES	88.1	94.5	97.9	92.1	108.5	+17.7
25	Dublin IE	35.5	64.1	107.6	111.3	107.5	-3.5
26	Athinai / Eleftherios Venizelos EL	123.4	100.7	102.4	98.0	102.5	+4.5
27	Lisboa PT	114.6	100.0	98.2	94.5	101.1	+7.0
28	Oostende BE	93.5	108.3	98.5	104.8	74.8	-28.6
29	Paris / Orly FR	<i>107.3</i>	80.0	76.0	76.7	72.1	-6.0
30	Düsseldorf DE	59.4	56.5	59.3	57.7	70.2	+21.7
31	Budapest / Ferihegy HU	43.5	55.5	64.9	67.6	62.5	-7.5
32	Maastricht-Aachen NL	44.3	54.6	54.1	57.8	55.4	-4.2
33	Toulouse / Blagnac FR	37.8	56.2	58.5	55.1	54.6	-0.8
34	Warszawa / Okecie PL	44.6	31.1	36.9	41.3	54.6	+32.1
35	Marseille / Provence FR	36.0	51.0	49.5	51.4	54.0	+5.1
36	Göteborg / Landvetter SE				60.2	51.0	
37	Edinburgh UK	18.2	54.3	50.9	46.0	49.1	+6.9
38	Belfast UK	30.9	51.3	50.4	49.9	48.1	-3.6
39	Praha / Ruzyně CZ	0.0	51.6	54.9	54.9	47.8	-12.9
40	Tallinn / Ülemiste EE	4.7	9.7	10.1	22.6	41.7	+84.4

**Notes:** Significant underreporting of Paris airports. Data from airport websites (*in italics*) often include air cargo which in reality is transported by lorry. The figures from airport websites are therefore not always fully comparable with those collected by Eurostat. The extraordinary growth rate for Leipzig airport is mainly due to DHL moving its hub there during 2008.

## Air: MOVEMENTS OF AIRCRAFT AT MAJOR EU AIRPORTS

(TAKE-OFF + LANDING, PASSENGER AND CARGO)

RANKING	(not including general aviation)		THOUSAND					% CHANGE '07/'08
			AIRPORT AND COUNTRY	2004	2005	2006	2007	
1	Paris / Charles de Gaulle	FR	549.8	543.4	559.7	568.6	574.8	+1.1
2	Frankfurt (Main)	DE	462.3	475.6	480.5	481.8	477.4	-0.9
3	London / Heathrow	UK	469.8	472.0	470.9	475.8	473.2	-0.5
4	Madrid / Barajas	ES	391.1	406.3	422.2	470.3	459.6	-2.3
5	Amsterdam / Schiphol	NL	404.9	408.2	429.5	440.8	435.9	-1.1
6	München	DE	366.0	382.3	387.8	406.2	409.0	+0.7
7	Roma / Fiumicino	IT	300.3	299.6	308.6	332.4	340.8	+2.5
8	Barcelona	ES	277.3	294.3	312.4	338.5	312.3	-7.7
9	Wien / Schwechat	AT	221.0	227.0	233.5	249.4	262.6	+5.3
10	København / Kastrup	DK	266.8	262.1	251.4	245.0	256.4	+4.6
11	London / Gatwick	UK	241.2	252.0	254.4	256.6	256.4	-0.1
12	Paris / Orly	FR	228.0	230.8	234.9	238.4	234.0	-1.9
13	Brussel-Bruxelles / Brussels	BE	229.8	228.7	231.7	238.6	233.7	-2.1
14	Düsseldorf	DE	187.7	189.0	208.1	222.3	224.4	+0.9
15	Stockholm / Arlanda	SE	234.3	222.2	214.5	202.0	213.7	+5.8
16	Milano / Malpensa	IT	209.5	222.2	241.5	257.2	208.2	-19.0
17	Dublin	IE	164.0	169.6	183.4	198.2	202.4	+2.2
18	Athinaí / Eleftherios Venizelos	EL	179.9	170.3	179.9	193.0	195.0	+1.1
19	Manchester	UK	208.5	218.0	213.0	206.4	191.2	-7.4
20	Palma de Mallorca	ES	166.1	170.5	175.6	184.5	182.2	-1.2
21	London / Stansted	UK	176.8	178.0	190.0	190.1	177.3	-6.7
22	Helsinki / Vantaa	FI	163.2	163.1	171.1	169.5	172.9	+2.0
23	Praha / Ruzyne	CZ	134.2	150.2	155.5	164.1	168.8	+2.9
24	Nice / Côte d'Azur	FR	155.0	158.1	165.4	173.6	166.6	-4.0
25	Berlin / Tegel	DE	131.7	137.2	134.2	143.4	154.3	+7.6
26	Hamburg	DE	130.0	134.2	145.9	150.3	150.7	+0.2
27	Warszawa / Okecie	PL	122.2	131.0	142.9	145.6	145.9	+0.2
28	Lisboa	PT	121.7	125.9	131.9	141.9	138.9	-2.1
29	Stuttgart	DE	131.9	135.0	138.5	139.7	134.9	-3.5
30	Lyon / Saint Exupéry	FR	125.0	130.1	130.8	132.1	133.7	+1.2
31	Köln-Bonn	DE	133.3	139.9	138.5	138.3	128.2	-7.3
32	Bucureşti / Henri Coandă	RO	75.0	90.2	102.0	118.1	124.4	+5.3
33	Edinburgh	UK	111.8	116.0	115.8	115.2	113.5	-1.4
34	Budapest / Ferihegy	HU	103.4	116.5	117.2	114.6	110.0	-4.0
35	Malaga	ES	102.7	111.1	113.1	115.3	108.0	-6.4
36	Las Palmas / Gran Canaria	ES	92.6	98.4	100.5	99.3	104.0	+4.7
37	Birmingham	UK	109.2	113.0	108.7	104.5	102.8	-1.6
38	Aberdeen	UK	80.7	89.5	97.9	102.8	100.2	-2.6
39	Marseille / Provence	FR	88.6	90.3	92.1	98.5	97.9	-0.5
40	Milano / Linate	IT	93.7	93.1	97.8	99.1	95.6	-3.6

**Notes:** One movement per minute for 18 hours per day = 394 200 per year.

## Sea: INWARD AND OUTWARD FLOW OF PASSENGERS BY COUNTRY

### INWARDS

1 000	PASSENGERS			CRUISE PASSENGERS			CRUISE PASSENGERS		
	excluding cruise passengers			starting and ending a cruise			on excursion		
	2006	2007	2008	2006	2007	2008	2006	2007	2008
<b>EU-27</b>	203 445	203 445	203 445						
<b>EU-15</b>	191 959	193 749	193 051						
<b>EU-12</b>	9 011	9 717	10 389						
BE	375	378	333	70	75	63			
BG									
CZ									
DK	23 937	24 057	23 172	131	144	157	232	258	294
DE	14 309	14 766	14 113	219	264	372			
EE	4 287	4 323	4 585				313	294	378
IE	1 572	1 578	1 492	93	104	146		37	
EL	45 075	45 987	45 255	216	263	334			
ES	10 190	10 669	10 265	1 228	907	1 027	1 761	2 910	3 370
FR	13 094	13 306	13 323	154	231	156	1 190	1 246	1 064
IT	42 875	42 285	44 761	93	1 189	882	3 112	3 181	1 870
CY									
LV	105	179	213				41	65	51
LT	92	104	103				25	37	32
LU									
HU									
MT	3 652	3 893	4 148	12	9	14		472	528
NL	1 053	945	977						
AT									
PL	875	1 218	1 325	0	0	0			
PT	343	368	382						
RO					0	2		12	33
SI			15			11			
SK									
FI	8 391	8 244	8 497		7	20	268	255	344
SE	16 385	16 572	16 529	14	9	22	357	402	430
UK	14 359	14 594	13 953	534	562	705			
HR	11 490	12 265	12 983	26	33	11	734	872	1 122
IS									
NO	2 941	2 938	2 820	39	91	62	607	569	770



## Sea: INWARD AND OUTWARD FLOW OF PASSENGERS BY COUNTRY

### OUTWARDS

1 000	PASSENGERS			CRUISE PASSENGERS		
	excluding cruise passengers			starting and ending a cruise		
	2006	2007	2008	2006	2007	2008
<b>EU-27</b>	201 678	201 678	201 678			
<b>EU-15</b>	191 632	193 395	191 443			
<b>EU-12</b>	8 982	9 762	10 230			
BE	374	381	339	71	76	64
BG						
CZ						
DK	23 945	24 063	23 170	132	145	158
DE	14 514	14 951	14 111	213	219	349
EE	4 259	4 342	4 605			
IE	1 542	1 542	1 470			
EL	44 897	45 908	45 186	214	265	326
ES	10 227	10 654	10 173	521	903	1 014
FR	12 999	13 280	13 187	155	231	147
IT	42 934	42 317	43 643	81	1 179	871
CY						
LV	112	183	223			
LT	98	108	109			
LU						
HU						
MT	3 652	3 891	3 955	11	9	14
NL	1 074	925	982			
AT						
PL	861	1 238	1 322	0	0	0
PT	343	367	380			
RO					0	2
SI			16			7
SK						
FI	8 348	8 192	8 438		7	20
SE	15 927	16 075	16 176	8	6	17
UK	14 507	14 739	14 188	530	569	709
HR	11 523	12 272	13 037	22	41	12
IS						
NO	3 292	3 334	3 313	8	84	13

## Sea

## PASSENGER TRAFFIC AT MAJOR EU SEAPORTS

## PASSENGERS EMBARKED AND DISEMBARKED

RANKING	THOUSAND					CHANGE '07/'08	
	PORT AND COUNTRY	2000	2005	2006	2007		2008
1	Dover UK	16 197	13 501	13 987	14 433	14 006	-3.0
2	Paloukia Salaminas EL		11 663	11 981	13 066	13 063	0.0
	Perama EL		11 663	11 981	13 066	13 063	0.0
4	Piraeus EL	7 289	11 076	11 539	11 063	11 079	0.1
5	Calais FR	15 066	11 695	11 460	11 519	11 002	-4.5
6	Helsingør DK	13 322	11 023	10 721	10 966	10 912	-0.5
7	Helsingborg SE	13 525	11 102	10 776	10 966	10 911	-0.5
8	Messina IT	11 898	9 802	10 834	10 603	10 380	-2.1
9	Reggio di Calabria IT	11 839	9 645	10 669	10 336	10 116	-2.1
10	Helsinki FI	9 251	8 854	8 548	8 561	8 976	4.8
11	Stockholm SE	7 746	8 211	8 054	8 127	8 677	6.8
12	Capri IT	5 404	3 860	4 940	5 421	7 169	32.2
13	Tallinn EE		6 701	6 447	6 220	6 870	10.5
14	Puttgarden DE	5 430	6 760	6 789	7 069	6 768	-4.3
15	Rødby (Færgehavn) DK	5 430	6 761	6 789	7 058	6 756	-4.3
16	Napoli IT	6 748	6 084	6 804	6 598	6 185	-6.3
17	Palma de Mallorca ES	1 864	4 611	4 942	5 275	5 048	-4.3
18	Piombino IT	3 161	3 277	3 948	3 982	5 036	26.5
19	Algeciras ES		4 828	5 166	5 227	4 988	-4.6
20	Santa Cruz de Tenerife ES	4 927	4 564	4 343	4 592	4 191	-8.7
21	Cirkewwa MT		3 463	3 555	3 795	3 942	3.9
	Mgarr, Gozo MT		3 463	3 555	3 795	3 942	3.9
23	Portoferraio IT	2 641	2 829	3 198	3 155	3 927	24.5
24	Olbia IT	2 359	3 253	3 665	3 487	3 567	2.3
25	Turku FI	3 514	3 697	3 620	3 480	3 488	0.2
26	Mariehamn FI	1 885	3 192	3 099	3 125	3 306	5.8
27	Livorno IT	1 886	2 103	2 166	2 789	3 251	16.6
28	Rostock DE	1 767	2 417	2 557	2 585	2 713	5.0
29	Civitavecchia IT	2 241	2 099	2 500	2 285	2 677	17.2
30	Igoumenitsa EL	933	2 338	2 531	2 683	2 631	-1.9
31	Genova IT	2 444	2 406	2 320	2 639	2 510	-4.9
32	Ceuta ES	2 498	2 135	2 385	2 567	2 422	-5.6
33	La Maddalena IT	2 025	1 843	2 371	2 918	2 374	-18.6
34	Palau IT	2 106	1 843	2 371	2 907	2 364	-18.7
35	Porto d'Ischia IT	3 686	3 169	3 443	2 812	2 342	-16.7
36	Barcelona ES	1 424	2 208	1 927	2 090	2 314	10.7
37	Bastia FR	1 916	2 028	2 162	2 200	2 312	5.1
38	Norddeich DE	2 253	2 257	2 322	2 312	2 267	-1.9
39	Frederikshavn DK	3 726	3 004	2 859	2 894	2 258	-22.0
40	Rafina EL	1 542	2 010	2 122	2 213	2 219	0.3

## Sea

### FREIGHT TRAFFIC AT MAJOR EU SEAPORTS

#### TONNES LOADED AND UNLOADED

RANKING	MILLION					% CHANGE '07/'08		
	PORT AND COUNTRY	2000	2005	2006	2007		2008	
1	Rotterdam	NL	302.545	345.819	353.576	374.152	384.210	2.7
2	Antwerpen	BE	116.003	145.835	151.705	165.512	171.237	3.5
3	Hamburg	DE	76.950	108.253	115.529	118.190	118.915	0.6
4	Marseille	FR	91.279	93.308	96.527	92.561	92.523	0.0
5	Le Havre	FR	63.885	70.801	69.973	73.897	75.636	2.4
6	Amsterdam	NL	42.044	47.133	56.794	62.516	74.366	19.0
7	Grimsby & Immingham	UK	52.501	60.686	64.033	66.279	65.267	-1.5
8	Algeciras	ES		55.184	60.023	62.128	61.869	-0.4
9	London	UK	47.892	53.843	51.911	52.739	52.965	0.4
10	Dunkerque	FR	44.318	48.503	50.386	50.244	50.464	0.4
11	Valencia	ES	21.958	34.990	40.742	45.935	50.182	9.2
12	Taranto	IT	33.117	47.869	50.871	49.240	49.522	0.6
13	Bremerhaven	DE	24.835	33.728	40.350	43.618	48.956	12.2
14	Genova	IT	43.797	42.640	44.425	48.358	46.469	-3.9
15	Constantza	RO		44.377	42.888	44.916	45.750	1.9
16	Tees & Hartlepool	UK	51.472	55.790	53.348	49.779	45.436	-8.7
17	Göteborg	SE	33.261	36.479	39.912	40.353	42.331	4.9
18	Barcelona	ES	25.787	37.061	38.267	41.040	41.516	1.2
19	Southampton	UK	34.773	39.947	40.556	43.815	40.974	-6.5
20	Wilhelmshaven	DE	43.402	45.977	43.106	42.643	40.556	-4.9
21	Forth	UK	41.143	34.218	31.556	36.681	39.054	6.5
22	Trieste	IT	44.015	43.355	44.644	39.833	37.195	-6.6
23	Bilbao	ES	26.623	32.219	36.118	37.313	36.862	-1.2
24	Milford Haven	UK	33.768	37.547	34.307	35.496	35.875	1.1
25	Zeebrugge	BE	32.660	28.442	32.763	34.843	34.768	-0.2
26	Nantes Saint-Nazaire	FR	31.263	34.043	33.870	33.299	32.918	-1.1
27	Tarragona	ES	27.175	30.967	31.189	35.802	32.835	-8.3
28	Liverpool	UK	30.421	33.775	33.550	32.258	32.204	-0.2
29	Ravenna	IT	22.492	24.253	27.639	27.008	30.075	11.4
30	Venezia	IT	26.293	30.547	32.010	32.042	29.920	-6.6
31	Tallinn	EE	0.000	38.816	41.243	35.865	28.966	-19.2
32	Livorno	IT	19.785	24.048	24.550	29.798	28.667	-3.8
33	Riga	LV		24.421	23.758	25.216	28.567	13.3
34	Ventspils	LV		29.358	27.746	30.473	27.366	-10.2
35	Gioia Tauro	IT		29.358	27.746	30.473	27.366	-10.2
36	Klaipeda	LT		20.019	21.347	24.676	27.311	10.7
37	Ghent	BE	24.717	22.133	24.107	24.988	26.912	7.7
38	Augusta	IT	29.938	33.041	30.979	30.238	26.849	-11.2
39	Porto Foxi	IT	23.751	22.760	27.111	26.744	26.407	-1.3
40	Cartagena	ES	17.157	26.716	25.442	23.843	25.547	7.1

## Sea

### INTRA-EU MARITIME TRANSPORT

#### (1) RELEVANCE OF INTRA-EU TRANSPORT IN TOTAL MARITIME TRANSPORT BY EU COUNTRY 2008

	INWARDS			OUTWARDS		
	total inwards	of which from EU	share of EU in total	total outwards	of which to EU	share of EU in total
	million tonnes	million tonnes	(%)	million tonnes	million tonnes	(%)
BE	138.370	44.497	32.2 %	102.907	39.899	38.8 %
BG	16.791	0.920	5.5 %	9.785	2.345	24.0 %
DK	54.381	34.626	63.7 %	41.805	36.252	86.7 %
DE	193.774	75.979	39.2 %	121.891	58.431	47.9 %
EE	7.179	5.785	80.6 %	25.718	15.007	58.3 %
IE	33.472	22.956	68.6 %	13.393	12.229	91.3 %
EL	69.697	34.812	49.9 %	51.891	42.873	82.6 %
ES	290.073	81.850	28.2 %	126.098	63.090	50.0 %
FR	245.040	68.689	28.0 %	101.174	63.280	62.5 %
IT	350.011	108.725	31.1 %	163.518	111.620	68.3 %
CY(**)	6.704	1.285	19.2 %	1.235	0.304	24.6 %
LV	6.059	4.035	66.6 %	54.068	41.820	77.3 %
LT	15.359	4.878	31.8 %	21.020	13.351	63.5 %
MT	3.189	2.439	76.5 %	0.183	0.096	52.1 %
NL	396.236	90.937	23.0 %	133.122	62.534	47.0 %
PL	28.009	16.463	58.8 %	20.712	14.970	72.3 %
PT	43.065	15.628	36.3 %	21.335	14.752	69.1 %
RO(**)	29.231	1.426	4.9 %	20.520	4.396	21.4 %
SI	11.761	3.562	30.3 %	4.738	3.184	67.2 %
FI	62.131	41.305	66.5 %	49.022	43.096	87.9 %
SE	90.848	65.314	71.9 %	80.393	68.839	85.6 %
UK	337.662	191.620	56.7 %	210.417	162.202	77.1 %

**Notes:** Data from main ports only (ports handling more than 1 million tonnes per year).

(\*) The total goods transported data may be less than the sum of inward and outward traffic due to the double counting of tonnes moved within the same country.

(\*\*) The share of intra-EU in total maritime transport may be underestimated in this table for CY and RO because a significant share of partner ports are 'unknown' and hence cannot be attributed to any geographical area.

## Sea

### INTRA-EU MARITIME TRANSPORT

#### (1) RELEVANCE OF INTRA-EU TRANSPORT IN TOTAL MARITIME TRANSPORT BY EU COUNTRY 2008

	TOTAL		
	total goods transported (*)	of which to/from EU	share of EU in total
	million tonnes	million tonnes	(%)
BE	240.681	83.800	34.8 %
BG	26.570	3.259	12.3 %
DK	89.059	63.751	71.6 %
DE	312.776	131.521	42.0 %
EE	32.813	20.707	63.1 %
IE	45.960	34.279	74.6 %
EL	100.469	56.566	56.3 %
ES	390.489	119.259	30.5 %
FR	338.449	124.204	36.7 %
IT	444.138	150.955	34.0 %
CY(**)	7.934	1.584	20.0 %
LV	59.956	45.684	76.2 %
LT	36.379	18.229	50.1 %
MT	3.373	2.534	75.1 %
NL	529.359	153.471	29.0 %
PL	48.404	31.116	64.3 %
PT	59.971	25.950	43.3 %
RO(**)	49.751	5.823	11.7 %
SI	16.499	6.746	40.9 %
FI	105.492	78.741	74.6 %
SE	161.505	124.418	77.0 %
UK	497.640	303.384	61.0 %

#### (2) MAIN ROUTES IN INTRA-EU MARITIME TRANSPORT 2008

RANKING	country of loading port	country of unloading port	mio tonnes transported
1	UK	UK	84.629
2	IT	IT	80.613
3	UK	NL	46.834
4	ES	ES	44.498
5	NL	UK	33.233
6	EL	EL	30.786
7	FR	UK	30.338
8	UK	FR	25.202
9	FR	FR	22.096
10	UK	DE	17.826
11	SE	DE	17.401
12	DK	DK	16.922
13	BE	UK	16.162
14	UK	BE	15.717
15	DK	SE	15.029
16	IT	ES	14.097
17	DE	SE	13.982
18	UK	IE	13.111
19	ES	IT	13.034
20	SE	SE	12.729
21	FI	DE	11.656
22	SE	FI	11.077
23	LV	UK	10.556
24	SE	UK	9.834
25	FR	NL	9.330
26	IT	EL	9.287
27	DE	DK	9.228
28	DE	GB	8.911
29	DE	FI	8.681
30	DK	DE	8.538

**Notes:** Data from main ports only (ports handling more than 1 million tonnes per year); the tonnes have been calculated by taking the declarations of the unloading ports (inward declarations) and adding those outward declarations of partner ports for which the inward declarations were missing.

## Sea

### CONTAINER TRAFFIC AT MAJOR EU SEAPORTS

RANKING	thousand TEU				%		
	PORT AND COUNTRY	2005	2006	2007		2008	CHANGE '07/08
1	Rotterdam	NL	9 194.6	9 575.4	10 773.4	10 631.0	-1.3
2	Hamburg	DE	8 084.3	8 878.1	9 913.5	9 767.3	-1.5
3	Antwerpen	BE	6 220.9	6 718.2	7 878.9	8 378.9	6.3
4	Bremerhaven	DE	3 696.1	4 479.3	4 884.0	5 451.4	11.6
5	Valencia	ES	2 415.0	2 614.8	3 048.9	3 606.3	18.3
6	Algeciras	ES	3 183.1	3 262.5	3 419.9	3 297.6	-3.6
7	Gioia Tauro	IT	3 123.2	2 835.2	3 464.2	3 164.8	-8.6
8	Felixstowe	UK	2 759.7	3 029.8	3 342.3	3 131.4	-6.3
9	Barcelona	ES	2 071.3	2 314.6	2 605.6	2 564.5	-1.6
10	Le Havre	FR	2 144.3	2 118.9	2 684.7	2 511.6	-6.4
11	Southampton	UK	1 384.2	1 502.3	1 905.2	1 616.8	-15.1
12	Genova	IT	1 037.6	1 145.7	1 229.6	1 461.9	18.9
13	Constantza	RO	867.0	1 170.4	1 444.7	1 405.3	-2.7
14	Zeebrugge	BE	682.3	895.5	1 191.0	1 400.8	17.6
15	Las Palmas, Gran Canaria	ES	1 209.7	1 291.1	1 309.8	1 302.5	-0.6
16	La Spezia	IT	915.6	1 086.5	1 130.1	1 185.9	4.9
17	London	UK	765.1	742.6	857.8	983.5	14.7
18	Marseille	FR	910.6	950.2	1 058.5	901.4	-14.8
19	Bilbao	ES	861.5	898.7	956.1	894.1	-6.5
20	Göteborg	SE	771.7	811.8	840.9	863.9	2.7
21	Medway	UK	702.9	594.3	514.5	767.6	49.2
22	Dublin	IE	590.2	680.7	744.2	676.5	-9.1
23	Liverpool	UK	613.1	613.4	675.7	673.9	-0.3
24	Kotka	FI	376.5	460.6	576.5	627.1	8.8
25	Gdynia	PL	392.9	458.7	611.9	610.9	-0.2
26	Lisboa	PT	512.2	512.0	554.8	555.9	0.2
27	Aarhus	DK	397.2	426.7	502.0	458.5	-8.7
28	Leixões	PT	351.8	378.2	433.7	450.1	3.8
29	Taranto	IT	445.1	563.5	449.2	444.4	-1.1
30	Piraeus	EL	1 401.1	1 412.6	1 383.8	437.3	-68.4
31	Amsterdam	NL	61.9	403.6	408.7	431.8	5.6
32	Málaga	ES	247.5	452.1	542.4	428.6	-21.0
33	Helsinki	FI	460.2	419.6	434.6	424.0	-2.5
34	Limassol	CY	320.4	360.0	376.7	416.5	10.6
35	Santa Cruz de Tenerife	ES	455.2	470.0	484.8	396.5	-18.2
36	Klaipeda	LT	214.3	231.6	321.4	373.3	16.1
37	Koper	SI	210.3	222.0	306.9	356.9	16.3
38	Venezia	IT	196.0	235.7	262.6	291.0	10.8
39	Forth	UK	207.3	261.6	256.9	274.4	6.8
40	Tallinn	EE	189.4	227.4	265.4	269.4	1.5

## Combined Transport Traffic

### UIRR COMPANIES

YEAR	TONNE-KILOMETRES (billion)		TRAFFIC % OF CONSIGNMENTS (*)		
		of which: national	Semi-trailers	Rolling road	Swap bodies
1990	19.0	7.0	20%	18%	62%
1995	25.0	7.3	14%	19%	67%
1996	27.2	7.6	12%	20%	68%
1997	29.9	8.3	10%	19%	71%
1998	30.2	8.3	9%	20%	71%
1999	28.6	7.8	9%	22%	69%
2000	32.5	8.2	9%	23%	68%
2001	31.9	7.2	9%	24%	67%
2002	33.1	8.0	8%	23%	69%
2003	32.9	7.7	7%	23%	70%
2004	34.5	8.3	7%	16%	67%
2005	37.0	8.1	7%	13%	80%
2006	45.4	9.8	9%	16%	76%
2007	46.1	9.8	9%	14%	77%
2008	46.0	10.3	8%	14%	78%

### INTERCONTAINER-INTERFRIGO

YEAR	thousand TEU	% change from previous year
2000	961.7	
2001	834.9	-13.2 %
2002	758.6	-9.1 %
2003	734.1	-3.2 %
2004	702.8	-4.3 %
2005	516.7	-26.5 %
2006	429.8	-16.8 %
2007	415.8	-3.3 %
2008	396.9	-4.5 %

**Notes:** TEU: twenty foot equivalent unit (corresponds to 10-12 tonnes).

(\*) Consignment = equivalent of an average road transport (= 2.3 TEU)

## Combined Transport

### TRAFFIC OF INTERNATIONAL UNION OF COMBINED ROAD-RAIL TRANSPORT COMPANIES (UIRR)

COMPANY	CONSIGNMENTS (*) (thousand)					%
	2000	2005	2006	2007	2008	CHANGE '07/'08
<b>INTERNATIONAL TRAFFIC</b>						
Kombiverkehr, DE	374.835	351.371	375.836	402.148	401.443	-0.2%
Hupac, CH	231.060	291.157	346.060	396.641	390.862	-1.5%
Cemat, IT	149.395	236.824	266.493	270.822	259.464	-4.2%
ICA, AT		123.753	154.797	167.946	166.115	-1.1%
Ökombi, AT	148.769	90.677	117.456	113.412	120.835	6.5%
Polzug, PL			76.513	88.569	90.329	2.0%
T.R.W., BE	57.747	85.889	98.516	98.786	82.946	-16.0%
Ralpin, CH		79.248	80.864	80.342	85.106	5.9%
Hupac NV, NL	26.400	57.085	69.554	71.567	72.533	1.3%
Adria Combi, SI	19.229	41.131	53.044	64.944	62.463	-3.8%
Novatrans, FR		37.848	43.714	46.538	35.647	-23.4%
Alpe Adria, IT		22.170	26.989	34.173	32.731	-4.2%
Combiberia, ES		24.406	29.499	29.167	27.244	-6.6%
Naviland Cargo, FR		12.804	15.629	18.791	35.355	88.1%
Hungarocombi, HU	61.780	37.076	27.275	16.831	18.278	8.6%
Kombi Dan, DK		7.205	6.822	7.940	6.972	-12.2%
Bohemiakombi, CZ		1.424	3.643	5.309	6.302	18.7%
Crokombi, HR		1.796	1.719	2.841	2.723	-4.2%
<b>NATIONAL TRAFFIC</b>						
Kombiverkehr, DE	163.290	224.989	285.551	306.099	306.397	0.1%
Cemat, IT	194.327	187.125	173.361	177.228	163.182	-7.9%
Novatrans, FR	176.145	145.909	153.589	157.699	154.053	-2.3%
Ökombi, AT	117.146	46.792	88.174	115.776	152.236	31.5%
Naviland Cargo, FR		111.592	68.838	82.787	113.850	37.5%
Hupac, CH/DE/IT	16.200	33.610	40.972	46.746	54.095	15.7%
ICA, AT		19.925	41.639	42.816	40.753	-4.8%
Adria Combi, SI		12.401	15.876	29.060	37.525	29.1%
Alpe Adria, IT		20.324	22.479	21.888	30.701	40.3%
Polzug, PL			10.083	13.506	18.081	33.9%
T.R.W., BE		5.117	12.474	14.586	13.059	-10.5%
Rocombi, RO		11.496	9.840	11.280	12.300	9.0%

(\*) Consignment = equivalent of an average road transport (= 2.3 TEU)



## Road

### ALPS CROSSING FREIGHT TRAFFIC

#### ALPINE ARC: MONTGENÈVRE TO BRENNER

MILLION TONNES					
	Switzerland		Austria	France	TOTAL
	St. Gotthard	Simplon Gr. St. Bernard St. Bernardino	Brenner Reschen	Montgenèvre Fréjus Mont-Blanc	
1985	1.9	0.8	15.0	12.3	30.0
1990	3.1	1.1	14.6	21.8	40.6
1994	5.1	1.1	18.4	26.5	51.1
1995	5.5	1.1	21.0	25.8	53.4
1996	5.9	1.2	20.1	25.0	52.2
1997	6.0	1.0	21.3	25.3	53.6
1998	6.5	1.2	23.9	26.3	57.9
1999	7.0	1.4	26.4	27.3	62.1
2000	7.6	1.3	26.6	27.2	62.7
2001	7.4	3.0	26.3	27.2	63.9
2002	7.5	3.0	27.3	26.3	64.1
2003	9.2	2.4	28.7	25.8	66.1
2004	9.9	2.6	33.5	22.3	68.3
2005	10.2	2.8	33.6	20.8	67.4
2006	10.0	2.9	36.1	22.3	71.3
2007	10.9	3.3	36.4	22.4	73.0
2008	11.0	3.4	35.1	21.5	71.0
AVERAGE ANNUAL CHANGE					
'85/'97	+10.1%	+1.9%	+3.0%	+6.2%	+5.0%
'97/'07	+6.2%	+12.7%	+5.5%	-1.2%	+3.1%
'07/'08	+0.9%	+3.0%	-3.6%	-4.0%	-2.7%

Notes: Road: France: Montgenèvre: from 1999.

NUMBER OF HEAVY GOODS VEHICLES (thousand)					
	Switzerland		Austria	France	TOTAL
	St. Gotthard	Simplon Gr. St. Bernard St. Bernardino	Brenner Reschen	Montgenèvre Fréjus Mont-Blanc	
1999	1 101	216	1 639	1 674	4 630
2000	1 187	217	1 653	1 672	4 729
2001	966	405	1 647	1 673	4 691
2002	858	391	1 710	1 581	4 540
2003	1 004	287	1 775	1 572	4 638
2004	969	286	2 118	1 515	4 888
2005	925	279	2 121	1 435	4 760
2006	856	326	2 268	1 529	4 979
2007	963	299	2 277	1 531	5 070
2008	973	302	2 200	1 474	4 949

Notes: Internal, import, export and transit traffic.

## Road

### PYRENEES CROSSING TRAFFIC

#### GOODS TRAFFIC

VEHICLES PER DAY				
	West coast Bariatou (inc. A63)	East coast Le Perthus (inc. A9)	Other crossings	TOTAL
1997	5 657	6 729	880	13 266
1998	6 447	7 413	905	14 765
1999	6 914	8 018	914	15 846
2000	8 224	8 200	1 519	17 943
2001	8 806	8 050	1 172	18 028
2002	8 864	8 535	1 505	18 904
2003	9 276	8 920	1 758	19 954
2004	10 655	9 302	1 875	21 832
2005	9 970	9 243	1 825	21 038
2006	10 390	9 602	1 939	21 931

#### PASSENGER CAR TRAFFIC

VEHICLES PER DAY				
	West coast Bariatou (inc. A63)	East coast Le Perthus (inc. A9)	Other crossings	TOTAL
1997	30 200	19 400	27 800	77 400
1998	30 230	20 601	33 168	83 999
1999	33 188	20 678	33 412	87 278
2000	40 923	24 390	31 962	97 275
2001	41 847	25 201	34 096	101 144
2002	41 812	28 544	37 654	108 010
2003	44 165	29 201	41 267	114 633
2004	45 041	30 923	41 196	117 160
2005	47 142	31 896	42 465	121 503
2006	47 172	32 180	43 228	122 580

## Rail

## ALPS AND PYRENEES CROSSING TRAFFIC

## ALPS CROSSING FREIGHT TRAFFIC (1)

Alpine Arc: Mont-Cenis to Brenner				MILLION TONNES	
	Switzerland		Austria	France	TOTAL
	St. Gotthard	Simplon	Brenner	Mont-Cenis	
1985	11.2	2.8	4.7	7.5	26.2
1990	13.6	4.3	5.5	7.2	30.6
1994	13.2	4.7	8.3	7.7	33.9
1995	13.6	4.4	8.4	8.0	34.4
1996	11.7	4.0	7.9	9.7	33.3
1997	13.7	4.3	7.8	10.1	35.9
1998	15.0	4.3	8.6	9.3	37.2
1999	14.9	3.5	8.3	8.4	35.1
2000	16.8	3.8	8.7	8.6	37.9
2001	15.8	4.8	10.7	8.6	39.9
2002	14.2	4.8	10.5	8.6	38.1
2003	14.3	5.6	10.7	7.8	38.4
2004	16.1	6.8	10.7	6.4	40.0
2005	15.6	8.1	10.0	5.2	38.9
2006	16.2	9.0	11.6	4.8	41.6
2007	15.5	9.7	13.3	5.7	44.2
2008	15.5	10.0	14.0	4.6	44.1
AVERAGE ANNUAL CHANGE					
'85/'97	+1.7%	+3.6%	+4.3%	+2.5%	+2.7%
'97/'07	+1.2%	+8.5%	+5.5%	-5.6%	+2.1%
'07/'08	+0.0%	+3.1%	+5.3%	-19.3%	-0.2%

## PYRENEE CROSSING FREIGHT TRAFFIC (2)

Spain – France			MILLION TONNES	
West coast Hendaye – Irun	East coast Cerbère / Port Bou		Total pure rail	Intermodal rail
1995			3.553	
1996			3.995	
1997	2.000	2.800	4.795	
1998	1.934	2.500	4.442	
1999	1.600	2.600	4.241	2.793
2000	1.800	2.800	4.583	2.995
2001	1.800	2.400	4.188	2.739
2002	1.739	2.413	4.161	3.033
2003			4.284	2.841
2004			4.563	3.050
2005			4.503	3.074
2006			4.471	3.366

## Rail

### CHANNEL TUNNEL TRAFFIC

#### UNITED KINGDOM – FRANCE

	SHUTTLE			
	Vehicles			Passengers
	PASSENGER		FREIGHT	( <sup>1</sup> )
	thousand cars	thousand coaches	thousand	million
1995	1 223	23.0	391	4.2
1996	2 077	58.0	519	7.9
1997	2 329	54.0	268	8.6
1998	3 351	97.0	705	12.2
1999	3 260	82.0	839	10.8
2000	2 784	79.5	1 133	10.1
2001	2 530	75.5	1 198	9.3
2002	2 336	71.9	1 231	8.7
2003	2 279	71.9	1 285	8.5
2004	2 101	63.5	1 281	7.8
2005	2 047	77.3	1 309	8.2
2006	2 022	67.2	1 296	7.7
2007	2 142	65.3	1 415	7.9
2008	1 907	55.8	1 254	7.0

	THROUGH-TRAIN	
	Passengers	Freight
	million	thousand tonnes
1995	2.920	1 411
1996	4.866	2 361
1997	6.004	2 925
1998	6.307	3 141
1999	6.593	2 865
2000	7.130	2 947
2001	6.947	2 447
2002	6.603	1 464
2003	6.315	1 744
2004	7.277	1 899
2005	7.454	1 588
2006	7.858	1 569
2007	8.261	1 214
2008	9.113	1 240

**Notes:** The Channel Tunnel opened in 1994.

(<sup>1</sup>) Since 2000, estimate based on 2.52 passengers per car and 38.75 passengers per coach.

## Road

### LENGTH OF MOTORWAYS

	km (at end of year)					
	1990	1995	2000	2005	2006	2007
<b>EU-27</b>	41 885	47 970	54 700	62 000	63 400	65 100
<b>EU-15</b>	39 616	45 468	51 471	58 000	59 205	60 617
<b>EU-12</b>	2 269	2 502	3 229	4 000	4 195	4 483
BE	1 666	1 666	1 702	1 747	1 763	1 763
BG	273	277	319	331	394	418
CZ	357	414	501	564	633	657
DK	611	796	923	1 032	1 032	1 111
DE	10 854	11 190	11 712	12 363	12 531	12 594
EE	41	65	93	99	99	96
IE	26	70	103	247	270	269
EL	190	421	615	1 047	1 050	1 103
ES	4 976	6 962	9 049	11 432	12 073	13 014
FR	6 824	8 275	9 766	10 798	10 848	10 958
IT	6 193	6 435	6 478	6 542	6 554	6 588
CY	120	167	257	276	257	257
LV	-	-	-	-	-	-
LT	421	394	417	417	309	309
LU	78	123	114	147	147	147
HU	267	335	448	636	785	858
MT	-	-	-	-	-	-
NL	2 092	2 208	2 265	2 600	2 604	2 582
AT	1 445	1 596	1 633	1 677	1 678	1 696
PL	257	246	358	552	583	663
PT	316	687	1 482	2 341	2 545	2 613
RO	113	113	113	228	228	281
SI	228	293	427	569	579	579
SK	192	198	296	328	328	365
FI	225	394	549	693	700	700
SE	939	1 262	1 499	1 700	1 740	1 806
UK	3 181	3 383	3 581	3 634	3 670	3 673
HR	291		411	792	877	959
MK	83			216	216	221
TR	281		1 773	1 775	1 987	1 987
IS	-	-	-	11	11	11
NO	73	107	144	264	271	239
CH	1 148	1 197	1 270	1 358	1 361	1 383

**Notes:** ES: 'autopistas de peaje' and 'autovías y autopistas libres';  
 CY: from 2006: without urban M-ways;  
 NL: all national roads ('Rijkswegen') with dual carriageways.

## Road

### LENGTH OF ROAD NETWORK

	km (end of 2007)			
	Motorways	Main or national roads	Secondary or regional roads	Other roads (*)
BE	1 763	12 613	1 349	137 870
BG	418	2 975	16 032	
CZ	657	6 191	48 736	74 919
DK	1 111	2 755	69 331	
DE	12 594	40 420	178 180	
EE	96	3 896	12 473	41 547
IE	269	5 159	11 645	79 447
EL	1 103	10 189	30 864	75 600
ES	13 014	12 832	140 165	501 053
FR	10 958	9 861	377 377	628 987
IT	6 588	19 290	156 258	
CY	257	2 131	1 950	3 504
LV	0	1 647	18 532	49 608
LT	309	6 387	14 625	59 394
LU	147	837	1 891	
HU	858	6 746	23 579	158 760
MT	0	184	665	1 379
NL	2 582	2 430	7 899	122 559
AT	1 696	10 410	23 652	71 059
PL	663	17 859	28 455	211 934
PT	2 613	5 883	4 406	
RO	281	15 837	64 775	
SI	579	976	4 921	32 233
SK	365	3 374	14 144	25 942
FI	700	12 629	13 466	51 365
SE	1 806	13 519	83 131	326 984
UK	3 673	49 016	122 281	245 027
HR	959	7 160	10 544	10 375
MK	221	690	3 774	9 155
TR	1 987	31 333	30 579	
IS	11	4 213	3 999	4 825
NO	239	27 091	27 073	38 466
CH	1 383	381	18 136	51 446

**Notes:** (\*) The definition of road types varies from country to country, the data are therefore not comparable; 'Other roads' sometimes includes roads without a hard surface.

EL and MT : end of 2005 (except for motorways).

## Railways

### LENGTH OF LINES IN USE

	km						km	%
	1990	1995	2000	2005	2007	2008	OF WHICH: ELECTRIFIED 2008	
<b>EU-27</b>	231 582	227 105	217 349	215 537	212 448	212 842	110 458	51.9
<b>EU-15</b>	162 132	160 000	151 938	153 501	150 875	151 119	83 285	55.1
<b>EU-12</b>	69 450	67 105	65 411	62 036	61 573	61 723	27 173	44.0
<b>BE</b>	3 479	3 368	3 471	3 544	3 374	3 513	2 955	84.1
<b>BG</b>	4 299	4 294	4 320	4 154	4 143	4 144	2 827	68.2
<b>CZ</b>		9 430	9 444	9 614	9 588	9 486	3 078	32.4
<b>DK</b>	2 838	2 843	2 758	2 646	2 646	2 641	633	24.0
<b>DE</b>	40 981	41 718	36 588	34 221	33 890	33 855	19 645	58.0
<b>EE</b>	1 026	1 021	968	968	816	919	131	14.3
<b>IE</b>	1 944	1 954	1 919	1 919	1 919	1 919	52	2.7
<b>EL</b>	2 484	2 474	2 385	2 576	2 551	2 552	264	10.3
<b>ES</b>	14 539	14 291	13 868	14 452	15 012	15 041	8 770	58.3
<b>FR</b>	34 070	31 939	29 272	29 286	29 918	29 901	15 401	51.5
<b>IT</b>	16 066	16 003	16 187	16 545	16 667	16 861	11 927	70.7
<b>CY</b>	-	-	-	-	-	-	-	-
<b>LV</b>	2 397	2 413	2 331	2 270	2 265	2 263	257	11.4
<b>LT</b>	2 007	2 002	1 905	1 771	1 766	1 765	122	6.9
<b>LU</b>	271	275	274	275	275	275	262	95.3
<b>HU</b>	7 838	7 714	8 005	7 950	7 942	7 892	2 848	36.1
<b>MT</b>	-	-	-	-	-	-	-	-
<b>NL</b>	2 798	2 739	2 802	2 797	2 888	2 896	2 155	74.4
<b>AT</b>	5 624	5 672	5 665	5 691	5 818	5 664	3 510	62.0
<b>PL</b>	26 228	23 986	22 560	19 507	19 419	19 627	11 856	60.4
<b>PT</b>	3 064	2 850	2 814	2 844	2 838	2 842	1 460	51.4
<b>RO</b>	11 348	11 376	11 015	10 948	10 777	10 777	3 974	36.9
<b>SI</b>	1 196	1 201	1 201	1 228	1 228	1 228	503	41.0
<b>SK</b>		3 668	3 662	3 626	3 629	3 622	1 577	43.5
<b>FI</b>	5 867	5 880	5 854	5 732	5 899	5 919	3 067	51.8
<b>SE</b>	11 193	10 925	11 037	11 017	10 972	11 022	7 866	71.4
<b>UK</b>	16 914	17 069	17 044	19 956	16 208	16 218	5 318	32.8
<b>HR</b>	2 429	2 296	2 726	2 726	2 722	2 722	985	36.2
<b>MK</b>	696	699	699	699	699	699	234	33.5
<b>TR</b>	8 429	8 549	8 671	8 697	8 697	8 699	1 928	22.2
<b>IS</b>	-	-	-	-	-	-	-	-
<b>NO</b>	4 044	4 023	4 179	4 087	4 114	4 114	2 552	62.0
<b>CH</b>	3 215	3 232	3 216	3 399	3 563	3 557	3 557	100.0

## Railways

### HIGH SPEED RAIL NETWORK

#### LENGTH OF LINES (1)

	km (at end of year)							
	BE	DE	ES	FR	IT	NL	UK	EU
1985	-	-	-	419	224	-	-	643
1990	-	90	-	710	224	-	-	1 024
1995	-	447	471	1 281	248	-	-	2 447
2000	72	636	471	1 281	248	-	-	2 708
2001	72	636	471	1 540	248	-	-	2 967
2002	137	833	471	1 540	248	-	-	3 229
2003	137	875	1 069	1 540	248	-	74	3 943
2004	137	1 196	1 069	1 540	248	-	74	4 264
2005	137	1 196	1 090	1 540	248	-	74	4 285
2006	137	1 285	1 272	1 540	562	-	74	4 870
2007	137	1 285	1 516	1 872	562	-	113	5 485
2008	137	1 285	1 594	1 872	744	-	113	5 745
2009	209	1 285	1 614	1 961	876	120	113	6 178

**Notes:** Length of lines or of sections of lines on which trains can go faster than 250 km/h at some point during the journey.

#### HIGH-SPEED LINES CURRENTLY UNDER CONSTRUCTION (2)

	LINE	LENGTH – km	START OF OPERATION
DE	München – Augsburg	62	2010
DE	Gröbers – Erfurt	98	2015
DE	Nürnberg – Erfurt	218	2017
ES	Madrid – Valencia / Alicante / Murcia	902	2012
ES	Vitoria – Bilbao – San Sebastian	175	2012
ES	Variante de Pajares	50	2012
ES	Ourense – Santiago	88	2012
ES	Bobadilla – Granada	109	2012
ES	La Coruña – Vigo	158	2012
ES	Barcelona – Figueres	132	2012
FR	Nîmes – Montpellier	70	2012
FR	Dijon – Mulhouse	140	2012

**Notes:** The length indicated above is the length of the line under construction and not necessarily the distance between the places named.



## Railways

### MAIN RAILWAY GAUGE AND ELECTRIC CURRENT USED

	TRACK GAUGE		ELECTRIC CURRENT	
	mm	dc volts	ac volts	
BE	1 435	3 000	25 000	50 Hz
BG	1 435		25 000	50 Hz
CZ	1 435	3 000	25 000	50 Hz
DK	1 435	3 000	25 000	50 Hz
DE	1 435	800 - 1 200 (contact rail)	15 000	16.7 Hz
EE	1 520	3 000		
IE	1 600	1 500		
EL	600 1 000 1 435		25 000	50 Hz
ES (*)	1 000 1 435 1 668	1 500 3 000	25 000	50 Hz
FR	1 000 1 435	750 - 850 (contact rail) 1 500	25 000	50 Hz
IT	1 435	3 000	25 000	50 Hz
CY	-	-	-	-
LV	1 520	3 000		
LT	1 520		25 000	50 Hz
LU	1 435		25 000	50 Hz
HU	1 435		25 000	50 Hz
MT	-	-	-	-
NL	1 435	1 500		
AT	1 435		15 000	16.7 Hz
PL	1 435	3 000		
PT	1 000 1 668		25 000	50 Hz
RO	1 435		25 000	50 Hz
SI	1 435	3 000		
SK	1 435	3 000	25 000	50 Hz
FI	1 524		25 000	50 Hz
SE	1 435		15 000	16.7 Hz
UK	1 435 1 600 (N-IRL)	750 (contact rail)	25 000	50 Hz

**Notes:** 1 435 mm = standard gauge.

(\*) ES: new lines have a gauge of 1 435 mm and an electric current of 25 000, 50 Hz.

UK: (N-IRL): Northern Ireland.

## Air

### NUMBER OF AIRPORTS

#### BY NUMBER OF PASSENGERS CARRIED (\*) PER YEAR

	more than 10 million	5 to 10 million	1 to 5 million	500 000 to 1 million	100 000 to 500 000	15 000 to 100 000
<b>EU-27</b>	30	31	94	39	116	90
<b>EU-15</b>	29	27	78	35	106	81
<b>EU-12</b>	1	4	16	4	10	9
BE	1		1		3	
BG			3			1
CZ	1				2	1
DK	1		2	1	2	3
DE	6	3	10	2	10	9
EE			1			1
IE	1		2	1	3	3
EL	1	1	5	3	12	11
ES	4	6	16	2	6	6
FR	3	3	11	7	22	14
IT	2	5	14	4	9	5
CY		1	1			
LV			1			1
LT			1		2	
LU			1			
HU		1				2
MT			1			
NL	1		1	1	2	
AT	1		1	3	1	
PL		1	5	1	3	
PT	1	1	2	1	3	2
RO		1	1	2	3	2
SI			1			
SK			1	1		1
FI	1			2	9	9
SE	1		4	3	14	9
UK	5	8	8	5	10	10
HR			3		3	
MK				1		1
TR	2	2	5	6	10	12
IS			1		3	3
NO	1		6	4	9	22
CH	2		1		1	2

**Notes:** (\*) 'Passengers carried' do not include direct transit passengers (i.e. transit passengers who stay on board and continue their flight with the same flight number). Airports are grouped according to 2008 passenger volumes. In this table, blank means none.

## Inland Waterways LENGTH IN USE

### NAVIGABLE CANALS, RIVERS AND LAKES REGULARLY USED FOR TRANSPORT

	km					
	1990	1995	2000	2005	2006	2007
<b>EU-27</b>		38 963	42 368	42 537	42 706	42 709
<b>EU-15</b>	29 474	29 608	33 306	33 538	33 707	33 710
<b>EU-12</b>		9 355	9 062	8 999	8 999	8 999
BE	1 515	1 540	1 532	1 532	1 532	1 532
BG	470	470	470	470	470	470
CZ		677	664	664	664	664
DK	-	-	-	-	-	-
DE	6 669	7 343	7 300	7 305	7 309	7 309
EE		520	320	320	320	320
IE	-	-	-	-	-	-
EL	6	6	6	6	6	6
ES	70	70	70	70	70	70
FR	6 197	5 962	5 789	5 372	5 372	5 372
IT	1 366	1 466	1 477	1 562	1 562	1 562
CY	-	-	-	-	-	-
LV	12	12	12	12	12	12
LT	369	369	380	425	425	425
LU	37	37	37	37	37	37
HU	1 373	1 373	1 373	1 440	1 440	1 440
MT	-	-	-	-	-	-
NL	5 046	5 046	6 183	6 183	6 211	6 215
AT	351	351	351	351	351	351
PL	3 997	3 980	3 813	3 638	3 638	3 638
PT	124	124	124	124	124	124
RO	1 782	1 782	1 779	1 779	1 779	1 779
SI	-	-	-	-	-	-
SK		172	251	251	251	251
FI	6 072	6 120	8 894	9 541	9 678	9 677
SE	390	390	390	390	390	390
UK	1 631	1 153	1 153	1 065	1 065	1 065
HR						
MK	-	-	-	-	-	-
TR	-	-	-	-	-	-
IS	-	-	-	-	-	-
NO	-	-	-	-	-	-
CH	1 217	1 208	1 244	1 240	1 240	1 240

**Notes:** The inland waterways of EL (Korinthos Canal), ES (Guadalquivir) and PT (Douro, Guadiana, Tejo) are used by seagoing ships only.  
 FI: includes all public waterways and inland boat routes.  
 CH: lakes and rivers mainly used for public transport of passengers.

## Pipelines

### LENGTH OF OIL PIPELINES

	km					
	1990	1995	2000	2005	2006	2007
<b>EU-27</b>			<i>32 867</i>	<i>33 573</i>	<i>33 589</i>	<i>33 675</i>
<b>EU-15</b>	19 125	<i>20 631</i>	<i>22 162</i>	<i>22 770</i>	<i>22 786</i>	<i>22 872</i>
<b>EU-12</b>			<i>10 705</i>	<i>10 803</i>	<i>10 803</i>	<i>10 803</i>
BE	301	294	294	294	294	294
BG	578	578	578	578	578	578
CZ		568	675	675	675	675
DK	444	330	330	330	330	330
DE	3 038	2 460	2 370	2 370	2 370	2 370
EE	-	-	-	-	-	-
IE	-	-	-	-	-	-
EL	-	-	-	122	122	122
ES	2 678	3 691	3 780	3 833	3 841	3 904
FR	4 948	4 983	5 746	5 746	5 746	5 746
IT	4 086	4 235	4 346	4 328	4 336	4 359
CY	-	-	-	-	-	-
LV	766	766	766	860	860	860
LT		400	500	500	500	500
LU	-	-	-	-	-	-
HU			2 043	2 047	2 047	2 047
MT	-	-	-	-	-	-
NL	391	391	418	418	418	418
AT	777	777	777	777	777	777
PL	2 039	2 278	2 278	2 278	2 278	2 278
PT	-	-	147	147	147	147
RO	3 694		3 350	3 350	3 350	3 350
SI	-	-	-	-	-	-
SK		515	515	515	515	515
FI	-	-	-	-	-	-
SE	-	-	-	-	-	-
UK	2 462	3 470	3 954	4 405	4 405	4 405
HR	865	601	601	610	610	610
MK				144	144	144
TR				3 065	3 065	3 080
IS	-	-	-	-	-	-
NO	521			1 189	1 189	1 189
CH	239		108	108	108	108

**Notes:** Including oil pipelines under the sea.  
 DE: crude oil pipelines only.

## Road MOTORISATION

NUMBER OF PASSENGER CARS PER THOUSAND INHABITANTS								%
	1990	1995	2000	2005	2006	2007	2008	CHANGE '07/'08
<b>EU-27</b>	345	380	417	448	455	463	470	1.5
<b>EU-15</b>	406	435	465	489	495	500	501	0.3
<b>EU-12</b>	140	190	242	296	307	325	352	8.2
<b>BE</b>	387	421	456	468	470	473	477	0.8
<b>BG</b>	152	196	245	329	230	272	311	14.2
<b>CZ</b>	234	295	335	386	399	412	423	2.5
<b>DK</b>	309	320	347	362	371	378	381	0.8
<b>DE</b>	461	495	475	493	498	501	504	0.6
<b>EE</b>	154	269	339	367	413	391	412	5.4
<b>IE</b>	228	276	348	400	418	434	439	1.2
<b>EL</b>	170	207	292	387	407	428	446	4.3
<b>ES</b>	309	360	431	463	470	481	483	0.6
<b>FR</b>	476	481	503	497	502	506	498	-1.6
<b>IT</b>	483	533	572	590	597	598	601	0.5
<b>CY</b>	304	335	384	463	479	521	557	6.9
<b>LV</b>	106	134	236	324	360	398	413	3.5
<b>LT</b>	133	199	336	428	470	472	499	5.8
<b>LU</b>	477	556	622	655	661	665	667	0.3
<b>HU</b>	187	218	232	287	293	300	305	1.6
<b>MT</b>	337	487	483	525	535	548	555	1.2
<b>NL</b>	367	364	409	434	442	451	458	1.5
<b>AT</b>	388	452	511	504	508	510	513	0.5
<b>PL</b>	138	195	261	323	351	383	422	10.2
<b>PT</b>	185	255	336	397	405	412	415	0.6
<b>RO</b>	56	97	124	156	167	164	187	13.9
<b>SI</b>	294	357	435	479	488	504	514	1.9
<b>SK</b>	166	189	237	242	247	265	285	7.5
<b>FI</b>	388	371	412	462	475	485	507	4.6
<b>SE</b>	419	411	450	459	461	464	462	-0.3
<b>UK</b>	361	378	425	469	471	476	475	-0.1
<b>HR</b>		155	253	312	323	336	346	3.0
<b>MK</b>		145	148	124	119	131	142	7.8
<b>TR</b>		49	65	80	88	92	95	3.6
<b>IS</b>	468	445	561	625	641	658	657	-0.2
<b>NO</b>	380	386	411	437	445	455	458	0.6
<b>CH</b>	442	457	492	518	519	521	518	-0.6

**Notes:** Passenger car stock at end of year n has been divided by the population on 1 January of year n+1.

## Road PASSENGER CARS

### STOCK OF REGISTERED VEHICLES

	thousand							%
	1990	1995	2000	2005	2006	2007	2008	CHANGE '07/'08
<b>EU-27</b>	163 048	181 751	200 868	220 223	224 676	229 764	234 081	1.9
<b>EU-15</b>	148 041	161 539	175 513	189 611	192 985	196 160	197 711	0.8
<b>EU-12</b>	15 007	20 212	25 355	30 612	31 691	33 604	36 371	8.2
BE	3 864	4 273	4 678	4 919	4 976	5 049	5 131	1.6
BG	1 317	1 648	1 993	2 538	1 768	2 082	2 366	13.7
CZ	2 410	3 043	3 439	3 959	4 109	4 280	4 423	3.3
DK	1 590	1 679	1 854	1 965	2 020	2 068	2 099	1.5
DE	36 772	40 499	39 059	40 660	41 020	41 184	41 321	0.3
EE	241	383	464	494	554	524	552	5.4
IE	801	998	1 333	1 684	1 802	1 910	1 953	2.3
EL	1 736	2 205	3 195	4 303	4 543	4 799	5 024	4.7
ES	11 996	14 212	17 449	20 250	20 909	21 760	22 145	1.8
FR	27 072	27 872	29 808	30 497	31 002	31 443	31 109	-1.1
IT	27 416	30 301	32 584	34 667	35 297	35 680	36 105	1.2
CY	179	220	268	355	373	411	444	7.9
LV	283	332	557	742	822	905	933	3.1
LT	493	718	1 172	1 455	1 592	1 588	1 671	5.2
LU	183	229	273	307	315	322	329	2.3
HU	1 944	2 245	2 365	2 889	2 954	3 012	3 055	1.4
MT	120	181	189	213	218	225	229	2.0
NL	5 509	5 633	6 539	7 092	7 230	7 392	7 542	2.0
AT	2 991	3 594	4 097	4 157	4 205	4 246	4 285	0.9
PL	5 261	7 517	9 991	12 339	13 384	14 589	16 080	10.2
PT	1 849	2 560	3 443	4 200	4 290	4 379	4 408	0.7
RO	1 292	2 197	2 778	3 364	3 603	3 541	4 027	13.7
SI	587	711	866	960	980	1 014	1 045	3.1
SK	880	1 016	1 274	1 304	1 334	1 434	1 545	7.7
FI	1 939	1 901	2 135	2 430	2 506	2 570	2 700	5.1
SE	3 601	3 631	3 999	4 154	4 202	4 258	4 279	0.5
UK	20 722	21 951	25 067	28 326	28 667	29 101	29 279	0.6
HR		711	1 125	1 385	1 436	1 491	1 535	3.0
MK		286	300	253	242	269	290	8.0
TR		3 059	4 422	5 773	6 141	6 472	6 797	5.0
IS	120	119	159	187	197	208	210	1.1
NO	1 613	1 685	1 852	2 029	2 084	2 155	2 197	2.0
CH	2 985	3 229	3 545	3 861	3 900	3 956	3 990	0.9
LI	17	19	22	24	24	24	25	4.5

**Notes:** Stock at end of year, except for BE: 1 August, CH: 30 September, LI: 1 July.  
Taxis are usually included.

## Road BUSES AND COACHES

### STOCK OF REGISTERED VEHICLES

	thousand							%
	1990	1995	2000	2005	2006	2007	2008	CHANGE '07/'08
<b>EU-27</b>	738.2	752.9	776.8	790.3	790.9	797.6	816.9	2.4
<b>EU-15</b>	480.1	483.7	523.3	548.5	558.3	566.1	571.9	1.0
<b>EU-12</b>	258.1	269.3	253.5	241.8	232.6	231.4	245.0	5.9
BE	15.6	14.6	14.7	15.4	15.3	15.5	16.0	3.3
BG	34.6	41.8	43.0	37.8	22.8	23.9	25.4	6.3
CZ	20.5	20.5	19.0	20.9	21.1	21.2	21.1	-0.2
DK	8.1	13.7	14.0	14.4	14.6	14.5	14.5	-0.2
DE	100.4	85.4	77.2	75.2	75.1	75.1	75.3	0.3
EE	7.9	7.0	6.1	5.2	5.4	4.3	4.3	-0.4
IE	4.0	5.3	7.0	7.6	8.0	8.5	8.9	5.4
EL	21.4	24.6	27.0	26.8	26.9	27.1	27.2	0.3
ES	45.8	47.4	54.7	58.2	59.1	61.0	62.2	1.9
FR	73.7	81.8	85.7	90.1	92.2	94.4	92.9	-1.6
IT	77.7	75.0	88.0	94.4	96.1	96.4	97.6	1.2
CY	2.3	2.7	2.9	3.2	3.2	3.3	3.4	3.3
LV	12.1	16.5	11.5	10.6	10.6	10.6	10.5	-0.8
LT	15.2	17.6	15.5	15.3	15.6	14.5	14.3	-1.2
LU	0.8	0.9	1.1	1.3	1.4	1.5	1.5	6.2
HU	26.4	20.5	17.9	17.5	17.7	17.9	18.0	0.3
MT	1.0	1.0	1.1	1.1	1.1	1.2	1.2	0.9
NL	12.1	11.6	11.4	11.0	10.8	11.1	11.3	2.2
AT	9.4	9.8	9.9	9.3	9.3	9.3	9.4	0.7
PL	92.4	85.4	82.6	79.6	83.5	87.6	92.4	5.5
PT	12.1	15.0	19.8	14.7	15.0	15.1	15.4	2.0
RO	28.3	42.0	40.7	39.3	40.4	34.2	41.5	21.4
SI	3.1	2.5	2.3	2.3	2.3	2.3	2.4	2.1
SK	14.3	11.8	10.9	9.1	8.8	10.5	10.5	0.5
FI	9.3	8.1	9.9	10.9	11.2	11.5	12.3	6.4
SE	14.6	14.6	14.4	13.5	13.6	13.3	13.5	1.2
UK	75.0	75.9	88.6	105.6	109.7	111.9	114.0	1.9
HR	5.8	3.9	4.7	4.9	4.9	5.0	5.1	1.1
MK	2.3	2.5	2.5	2.3	2.2	2.4	2.5	2.8
TR	188.1	263.2	354.3	501.9	533.5	561.7	583.5	3.9
IS	1.3	1.3	1.7	1.9	1.9	1.9	2.0	0.6
NO	21.2	32.5	36.7	28.8	27.0	25.2	23.3	-7.5
CH	31.2	36.5	40.3	45.8	46.4	48.0	48.5	1.1
LI			0.1	0.1	0.1	0.1	0.1	-2.0

**Notes:** Stock at end of year, except for BE: 1 August, CH: 30 September, LI: 1 July.  
Data include buses, coaches, minibuses and sometimes also trolleybuses.

## Road GOODS VEHICLES

### STOCK OF REGISTERED VEHICLES

	thousand							%
	1990	1995	2000	2005	2006	2007	2008	CHANGE '07/ '08
<b>EU-27</b>		22 811.7	27 098.5	31 177.1	32 083.7	33 193.6	33 970.3	2.3
<b>EU-15</b>	17 536.5	19 849.3	23 256.0	26 452.9	27 214.1	28 080.5	28 159.8	0.3
<b>EU-12</b>		2 962.4	3 842.5	4 724.2	4 869.5	5 113.2	5 810.5	13.6
BE	380.4	442.5	548.4	652.1	670.4	690.7	711.9	3.1
BG	161.6	223.2	259.4	333.9	226.1	261.3	299.2	14.5
CZ		219.3	298.3	439.2	490.9	554.8	607.4	9.5
DK	286.6	333.8	384.9	469.5	508.8	536.6	531.4	-1.0
DE	1 653.0	2 378.7	2 419.1	2 404.9	2 471.2	2 503.0	2 523.6	0.8
EE	67.7	65.6	82.1	86.2	92.9	80.3	83.4	3.8
IE	143.2	141.8	205.6	286.5	318.6	345.9	351.3	1.6
EL	766.4	883.8	1 057.4	1 186.5	1 219.9	1 255.9	1 289.5	2.7
ES	2 401.1	3 024.2	3 923.2	4 849.6	5 087.3	5 353.3	5 405.6	1.0
FR	4 670.0	4 926.0	5 151.7	5 346.7	5 344.8	5 476.0	5 212.0	-4.8
IT	2 349.0	2 708.8	3 377.6	4 179.7	4 331.7	4 437.6	4 534.7	2.2
CY	74.3	101.2	114.7	118.4	115.7	117.5	121.8	3.6
LV		68.7	97.1	113.1	121.1	129.6	129.8	0.1
LT	83.0	108.9	98.6	122.5	135.5	147.6	150.1	1.7
LU	11.3	15.8	24.7	29.6	30.7	32.5	34.4	5.8
HU	262.0	292.1	366.4	427.6	444.4	459.4	470.8	2.5
MT		40.8	51.5	44.4	45.5	46.9	48.2	2.9
NL	553.0	654.0	899.0	1 004.5	995.7	1 010.4	1 025.9	1.5
AT	261.8	302.9	344.5	358.0	364.3	372.6	381.3	2.3
PL		1 354.1	1 879.1	2 304.5	2 392.7	2 520.5	2 922.0	15.9
PT	781.0	912.3	1 313.2	1 308.0	1 320.0	1 333.0	1 350.0	1.3
RO	258.7	343.1	427.2	493.8	545.3	502.0	645.3	28.6
SI	30.8	42.9	54.3	66.4	70.1	77.6	83.9	8.2
SK	92.0	102.6	114.0	174.2	189.3	215.7	248.7	15.3
FI	264.2	252.0	304.3	363.6	376.1	394.7	424.5	7.5
SE	309.5	307.7	374.2	461.2	479.8	504.1	510.2	1.2
UK	2 706.0	2 565.0	2 928.3	3 552.4	3 694.7	3 834.0	3 873.5	1.0
HR		73.5	122.5	162.9	169.7	176.7	180.3	2.0
MK		22.6	24.6	18.0	17.0	17.6	18.0	2.0
TR		830.0	1 351.8	2 152.0	2 405.2	2 619.7	2 810.2	7.3
IS	13.1	14.8	19.4	25.5	28.1	31.1	31.8	2.3
NO	308.3	349.5	414.3	465.4	488.6	513.7	523.4	1.9
CH	252.1	262.4	278.5	307.2	314.0	324.2	326.2	0.6
LI			2.5	2.6	2.5	2.6	2.7	5.1

**Notes:** Stock at end of year except for BE: 1 August CH: 30 September LI: 1 July.

As a rule, data include heavy and light goods vehicles, lorries and road tractors; due to varying concepts of such vehicles, data are not fully comparable between countries.



## Road POWERED TWO-WHEELERS

### STOCK OF REGISTERED VEHICLES

	thousand						%
	1995	2000	2005	2006	2007	2008	CHANGE '07/'08
<b>EU-27</b>			29 703.5	30 775.1	31 709.0	32 881.5	3.7
<b>EU-15</b>		20 805.5	27 127.6	28 123.0	28 931.5	29 736.6	2.8
<b>EU-12</b>			2 575.9	2 652.1	2 777.4	3 144.9	13.2
BE		277.8	346.3	359.8	374.7	388.3	3.6
BG	519.3	520.5	146.5	76.3	90.3	106.9	18.4
CZ	915.2	748.1	794.0	822.7	860.1	892.8	3.8
DK	58.0	138.3	171.9	184.0	197.2	204.8	3.9
DE	3 995.5	4 438.1	5 202.9	5 405.9	5 550.0	5 852.3	5.4
EE	3.3	6.7	10.2	12.6	14.8	17.6	19.2
IE	23.5	30.6	34.3	34.9	37.2	39.4	6.0
EL		781.4	1 124.2	1 205.8	1 298.7	1 388.6	6.9
ES	1 301.2	1 445.6	4 117.6	4 437.6	4 741.8	4 911.5	3.6
FR	2 289.0	2 410.0	2 475.3	2 543.6	2 636.7	2 704.2	2.6
IT	6 228.3	7 826.9	9 298.4	9 338.8	9 280.3	9 189.1	-1.0
CY	50.4	43.3	40.4	40.4	41.2	43.2	4.9
LV	15.8	20.7	32.5	36.9	44.4	51.3	15.5
LT	20.0	19.8	24.0	25.5	35.3	45.6	29.3
LU	28.4	32.8	37.7	38.6	39.5	40.3	2.0
HU		91.2	122.7	130.2	135.9	141.5	4.2
MT	17.4	12.4	12.0	12.3	12.8	14.4	12.7
NL	855.0	970.8	1 112.9	1 279.7	1 371.6	1 479.5	7.9
AT	546.4	632.7	627.7	645.3	667.6	691.2	3.5
PL	929.0	803.0	1 091.2	1 190.1	1 350.8	1 607.3	19.0
PT	216.3	345.9	588.4	558.7	536.6	550.0	2.5
RO	327.7	239.2	197.4	194.0	56.5	71.8	27.2
SI	8.5	11.2	48.7	53.2	71.5	82.0	14.7
SK	81.8	45.6	56.4	58.1	63.9	70.3	10.0
FI	159.5	193.4	301.8	338.4	376.5	421.5	12.0
SE	264.2	310.1	453.1	497.7	528.1	553.9	4.9
UK	714.0	971.0	1 235.0	1 254.0	1 295.0	1 322.0	2.1
HR	9.9	21.9	128.4	143.5	162.7	183.8	12.9
MK			1.7	3.4	4.7	5.0	6.2
TR	819.9	1 011.3	1 441.1	1 822.8	2 003.5	2 181.4	8.9
IS	1.9	2.3	4.2	5.7	8.1	9.0	11.6
NO	158.6	201.6	257.5	268.5	282.5	296.4	4.9
CH	370.7	493.8	591.9	608.7	619.2	636.5	2.8
LI		2.6	3.1	3.2	3.3	3.4	5.6

**Notes:** Stock at end of year except for BE: 1 August CH: 30 September LI: 1 July. National vehicle stock data do not always include all powered two-wheelers and are therefore not fully comparable between countries. Tricycles and quads are sometimes included in the data. Break in time series due to inclusion of mopeds from 2001 in ES, from 2002 in SI and HR, from 2004 in LV, from 2005 in PL and from 2007 in LT.

## Road PASSENGER CARS

### NEW VEHICLE REGISTRATIONS

	thousand						%
	2000	2005	2006	2007	2008	2009	CHANGE '08/'09
EU-27		15 092.2	15 450.4	15 605.0	14 361.6	14 178.7	-1.3
EU-15	14 319.1	14 111.9	14 367.3	14 363.8	13 152.9	13 298.5	1.1
EU-12		980.3	1 083.1	1 241.1	1 208.6	880.3	-27.2
BE	515.2	480.1	526.1	524.8	535.9	476.2	-11.1
BG		32.7	32.5	41.0	43.8	25.0	-42.9
CZ		151.7	156.7	174.5	182.6	167.7	-8.1
DK	112.7	146.9	154.4	159.3	150.1	112.2	-25.3
DE	3 378.3	3 319.3	3 468.0	3 148.2	3 090.0	3 807.2	23.2
EE		19.6	25.4	30.9	24.6	9.9	-59.5
IE	230.8	171.7	178.5	186.3	151.6	57.5	-62.1
EL	290.2	269.7	267.7	279.7	267.3	219.7	-17.8
ES	1 381.3	1 528.9	1 634.6	1 614.8	1 161.2	952.8	-17.9
FR	2 133.9	2 067.8	2 000.5	2 064.5	2 050.3	2 302.4	12.3
IT	2 423.1	2 237.4	2 326.0	2 493.1	2 161.7	2 158.9	-0.1
CY	8.2	19.2	20.3	25.1	24.2	15.5	-36.0
LV		16.6	25.6	32.8	19.8	5.4	-72.9
LT		10.5	14.2	21.6	22.2	7.5	-66.2
LU	41.9	48.5	50.8	51.3	52.4	47.3	-9.7
HU		199.0	187.7	171.7	153.3	60.2	-60.7
MT		6.6	6.7	6.2	5.5	6.0	8.1
NL	597.6	465.2	484.0	505.5	499.9	387.2	-22.5
AT	309.4	307.9	308.6	298.2	293.7	319.4	8.8
PL		235.5	239.0	293.3	320.0	320.2	0.1
PT	257.8	206.5	194.7	201.8	213.4	161.0	-24.5
RO		172.5	256.4	315.6	271.0	130.2	-52.0
SI		59.3	59.6	68.7	71.6	58.0	-19.0
SK		57.1	59.1	59.7	70.0	74.7	6.7
FI	134.6	147.9	145.7	125.3	139.6	88.3	-36.7
SE	290.5	274.3	282.8	306.8	254.0	213.4	-16.0
UK	2 221.7	2 439.7	2 344.9	2 404.0	2 131.8	1 995.0	-6.4
HR	92.4	102.1	114.4	106.2	95.7	53.3	-44.4
MK							
TR		406.8	396.5	353.5	353.2		
IS	13.6	18.1	17.1	15.9	9.0	2.1	-76.6
NO	97.4	109.9	109.2	129.2	110.6	98.7	-10.8
CH	316.5	264.9	269.5	284.7	288.6	266.0	-7.8

## Road GOODS VEHICLES

### NEW VEHICLE REGISTRATIONS

	LIGHT COMMERCIAL VEHICLES			COMMERCIAL VEHICLES			HEAVY COMMERCIAL VEHICLES		
	<3.5t		CHANGE '08/'09	>3.5t & <16t		CHANGE '08/'09	>16t		CHANGE '08/'09
	2008	2009		2008	2009		2008	2009	
EU-27	1 937 226	1 366 346	-29.5						
EU-15	1 743 400	1 256 799	-27.9	97 350	67 379	-30.8	258 860	143 347	-44.6
EU-12	193 826	109 547	-43.5						
BE	67 546	53 620	-20.6	2 934	2 630	-10.4	9 590	6 202	-35.3
BG	11 478	4 275	-62.8						
CZ	20 269	13 007	-35.8	3 895	2 012	-48.3	7 509	3 117	-58.5
DK	33 602	15 207	-54.7	1 157	575	-50.3	5 516	2 677	-51.5
DE	223 525	170 067	-23.9	37 792	26 177	-30.7	67 797	40 322	-40.5
EE	2 976	1 175	-60.5	109	25	-77.1	1 192	231	-80.6
IE	28 163	8 611	-69.4	2 079	859	-58.7	2 609	699	-73.2
EL	22 205	14 499	-34.7	1 287	988	-23.2	1 503	889	-40.9
ES	165 872	106 527	-35.8	7 338	3 999	-45.5	24 729	8 280	-66.5
FR	458 937	372 590	-18.8	9 707	7 599	-21.7	48 163	28 576	-40.7
IT	223 885	175 405	-21.7	9 286	6 714	-27.7	25 191	12 372	-50.9
CY	5 228	4 250	-18.7	(1)	(1)		(1)	(1)	
LV	2 041	520	-74.5	179	49	-72.6	1 811	251	-86.1
LT	3 000	776	-74.1	390	100	-74.4	3 084	414	-86.6
LU	4 028	3 063	-24.0	209	135	-35.4	1 584	790	-50.1
HU	21 559	10 619	-50.7						
MT	783	472	-39.7	(1)	(1)		(1)	(1)	
NL	84 654	51 281	-39.4	2 555	1 794	-29.8	15 719	9 963	-36.6
AT	32 763	25 582	-21.9	1 158	864	-25.4	7 432	3 926	-47.2
PL	55 896	40 232	-28.0	6 004	3 650	-39.2	16 401	6 235	-62.0
PT	55 398	38 905	-29.8	1 048	847	-19.2	4 486	2 364	-47.3
RO	36 414	14 086	-61.3	3 744	973	-74.0	8 762	1 619	-81.5
SI	7 282	4 426	-39.2	401	227	-43.4	2 175	531	-75.6
SK	26 900	15 709	-41.6	1 075	473	-56.0	3 767	1 188	-68.5
FI	16 395	8 693	-47.0	1 149	991	-13.8	3 485	2 178	-37.5
SE	39 269	27 432	-30.1	1 036	714	-31.1	5 962	4 783	-19.8
UK	287 158	185 317	-35.5	18 615	12 493	-32.9	35 094	19 326	-44.9
IS	1 227	302	-75.4	97	18	-81.4	178	30	-83.1
NO	34 870	23 504	-32.6	1 869	1 276	-31.7	4 659	2 822	-39.4
CH	26 275	23 110	-12.0	1 287	1 150	-10.6	3 876	3 292	-15.1

Notes: (1) Data included under 'Light commercial vehicles'.

## Road

### BUSES AND COACHES

#### NEW VEHICLE REGISTRATIONS

	LIGHT BUSES & COACHES		BUSES & COACHES		HEAVY BUSES & COACHES		TOTAL		%
	<3.5t		>3.5t & <16t		>16t				
	2008	2009	2008	2009	2008	2009	2008	2009	CHANGE '08/'09
<b>EU-27</b>									
<b>EU-15</b>	5 908	3 913	13 993	11 842	22 537	21 490	42 438	37 245	-12.2
<b>EU-12</b>									
BE	31	23	369	272	806	684	1 206	979	-18.8
BG									
CZ	1	0	335	335	888	611	1 224	946	-22.7
DK	537	348	225	300	429	464	1 191	1 112	-6.6
DE	28	12	1 226	987	4 631	4 613	5 885	5 612	-4.6
EE	26	1	96	85	22	26	144	112	-22.2
IE	600	130	116	107	436	130	1 152	367	-68.1
EL	61	57	162	318	352	637	575	1 012	76.0
ES			1 172	849	2 299	1 795	3 471	2 644	-23.8
FR	9	2	1 689	1 659	4 926	5 773	6 624	7 434	12.2
IT	41	26	1 932	1 770	2 770	1 473	4 743	3 269	-31.1
CY	64		(1)		(1)		64		
LV	26	5	140	30	57	22	223	57	-74.4
LT	95	21	95	91	4	1	194	113	-41.8
LU			19	34	206	175	225	209	-7.1
HU							748	666	-11.0
MT	21	25	0	0	1	3	22	28	27.3
NL			487	110	724	1 052	1 211	1 162	-4.0
AT	12		155	116	783	528	950	644	-32.2
PL	2 891	1 817	0	2			2 891	1 819	-37.1
PT			438	311	358	318	796	629	-21.0
RO	2 686	877	522	8	968	204	4 176	1 089	-73.9
SI	8	9	59	51	131	75	198	135	-31.8
SK	5	7	246	225	345	442	596	674	13.1
FI	72	21	261	302	270	266	603	589	-2.3
SE	134	134	396	260	680	782	1 210	1 176	-2.8
UK	4 383	3 160	5 346	4 447	2 867	2 800	12 596	10 407	-17.4
IS	26	6	11	2	7	0	44	8	-81.8
NO	58	55	483	396	691	709	1 232	1 160	-5.8
CH	470	514	154	191	727	418	1 351	1 123	-16.9

Notes: (1) Figures included in other categories.

## Road MOTORCYCLES

### NEW VEHICLE REGISTRATIONS

	thousand					%
	2000	2005	2006	2007	2008	CHANGE '07/'08
<b>EU-27</b>						
<b>EU-15</b>	1 333.2	1 296.0	1 418.5	1 470.0	1 355.4	-7.8
<b>EU-12</b>						
BE	25.3	25.0	27.3	30.1	26.4	-12.4
BG						
CZ	3.9	7.6	8.4	10.0	9.6	-3.4
DK	3.3	5.8	7.6	9.8	6.7	-31.6
DE	252.6	168.7	165.8	166.9	166.3	-0.4
EE	0.1	0.3	0.8	1.3	1.2	-5.4
IE	3.8	2.4	2.5	2.9	2.6	-8.2
EL	64.0	83.1	88.5	100.5	100.1	-0.3
ES	72.0	205.6	258.4	269.5	209.9	-22.1
FR	179.6	196.6	229.4	239.0	237.6	-0.6
IT	524.6	420.5	445.0	436.0	408.2	-6.4
CY		2.5	2.9	3.7	4.5	20.2
LV		0.4	0.8	1.5	1.6	2.5
LT	0.4	1.7	2.5	4.4	5.6	27.2
LU	1.3	1.3	1.4	1.4	1.4	-4.5
HU		12.5	12.0	12.8	12.3	-3.9
MT		0.4	0.4	0.5	0.6	8.3
NL	19.6	16.8	14.8	16.2	17.0	4.5
AT	23.8	19.1	18.9	23.7	24.5	3.1
PL		3.8	5.1	7.6	10.7	41.2
PT	17.7	11.2	11.4	12.0	10.8	-10.2
RO		93.8				
SI	1.2	2.5	3.6	5.1	5.3	4.6
SK		1.2	2.1	3.1	3.1	-0.2
FI	5.2	9.2	11.1	11.5	9.1	-21.4
SE	18.4	22.8	27.1	30.7	20.4	-33.5
UK	121.9	108.1	109.5	119.9	114.5	-4.5
HR		6.7	7.8	9.0	8.8	-1.8
MK				3.3		
TR		227.7	389.5	191.9	189.6	-1.2
IS						
NO		6.2	7.8	9.6	10.1	5.7
CH		45.1	45.6	47.9	48.6	1.6

**Notes:** CY: new and used;  
IT: all two-wheelers over 50cc;  
MT: including mopeds.

## Road MOPEDS

### NEW VEHICLE DELIVERIES

	thousand					%
	2000	2005	2006	2007	2008	CHANGE '07/'08
<b>EU-27</b>						
<b>EU-15</b>	1 094.9	776.6	745.8	781.5	708.7	-9.3
<b>EU-12</b>						
BE	33.2	17.3	20.3	21.4	19.6	-8.5
BG						
CZ		8.0	6.1	6.1	5.7	-6.8
DK	9.8	4.9	4.5	4.5	3.7	-18.8
DE	108.7	97.3	109.9	94.2	79.6	-15.6
EE						
IE	3.0	0.8	0.7	0.6	0.5	-14.4
EL	19.2	24.1	36.3	21.9	25.0	14.2
ES	248.6	115.1	137.5	125.9	84.2	-33.1
FR	192.3	154.9	184.9	209.5	190.3	-9.1
IT	311.8	128.3	109.9	130.7	123.1	-5.8
CY		2.1	1.7	1.7	1.7	-0.9
LV		1.4	2.5	4.4	3.7	-15.0
LT					5.4	
LU	0.5	0.5	0.7	0.6	0.7	12.1
HU						
MT						
NL	66.9	40.9	48.8	57.4	69.6	21.2
AT	21.3	27.7	28.3	30.9	31.0	0.1
PL		23.3	43.6	91.9	136.0	48.0
PT	15.0	103.6				
RO			2.0	7.9	7.2	-8.2
SI		3.1	4.7	5.7	5.9	2.2
SK		2.0	2.6	3.0	2.6	-13.3
FI	6.4	20.9	25.7	27.4	25.3	-8.0
SE	10.0	15.4	15.0	31.9	31.1	-2.2
UK	48.2	24.7	23.6	24.6	25.0	1.6
HR			15.2	18.2	19.8	9.0
MK						
TR						
IS						
NO		11.9	11.0	10.5	11.4	8.6
CH		3.1	3.0	2.7	3.1	14.2

Notes: CY: new and used.

## Sea EU MERCHANT FLEET

### SHIPS OF 1 000 grt AND OVER

On 1 January 2008

	TOTAL FLEET CONTROLLED		NATIONAL FLAG		FOREIGN FLAG (INCLUDING OTHER EU)		SHARE OF FOREIGN FLAG IN TOTAL FLEET	
	Number	<i>mio dwt</i>	Number	<i>mio dwt</i>	Number	<i>mio dwt</i>	Number	<i>mio dwt</i>
<b>EU-27</b>	11 130	392.1	3 498	123.0	7 632	269.0		
<b>EU-15</b>	10 252	377.4	3 196	118.1	7 056	259.3		
<b>EU-12</b>	878	14.7	302	4.9	576	9.8		
BE	177	11.6	65	5.9	112	5.7	63.3 %	49.1 %
BG	107	1.8	69	1.2	38	0.6	35.5 %	31.5 %
CZ	1	0.0			1	0.0	100.0 %	100.0 %
DK	768	26.6	261	10.2	507	16.4	66.0 %	61.8 %
DE	3 189	94.5	375	14.6	2 814	79.9	88.2 %	84.5 %
EE	99	0.4	27	0.1	72	0.3	72.7 %	76.5 %
IE	42	0.2	23	0.1	19	0.1	45.2 %	37.6 %
EL	3 087	175.7	734	55.5	2 353	120.2	76.2 %	68.4 %
ES	248	3.9	127	0.9	121	3.0	48.8 %	77.4 %
FR	250	6.4	116	2.8	134	3.5	53.6 %	55.5 %
IT	696	16.9	510	11.4	186	5.4	26.7 %	32.1 %
CY	247	6.5	111	2.9	136	3.6	55.1 %	55.5 %
LV	145	1.8	19	0.2	126	1.6	86.9 %	89.2 %
LT	61	0.4	39	0.3	22	0.1	36.1 %	23.5 %
LU								
HU								
MT	18	0.1	14	0.0	4	0.0	22.2 %	32.3 %
NL	599	5.9	435	3.6	164	2.3	27.4 %	38.8 %
AT	5	0.0	2	0.0	3	0.0	60.0 %	57.1 %
PL	109	2.1	11	0.0	98	2.0	89.9 %	98.4 %
PT	41	0.7	26	0.1	15	0.6	36.6 %	87.0 %
RO	62	0.9	11	0.1	51	0.8	82.3 %	86.6 %
SI	28	0.7			28	0.7	100.0 %	100.0 %
SK	1	0.0	1	0.0				
FI	124	1.8	81	0.7	43	1.0	34.7 %	58.3 %
SE	356	7.0	154	1.9	202	5.1	56.7 %	72.3 %
UK	670	26.2	287	10.2	383	16.0	57.2 %	61.1 %
HR	115	3.1	78	2.1	37	1.0	32.2 %	32.8 %
MK								
TR	1 003	13.2	490	6.6	513	6.6	51.1 %	50.0 %
IS	44	0.3	2	0.0	42	0.3	95.5 %	99.7 %
NO	1 400	45.1	514	13.4	886	31.7	63.3 %	70.2 %
CH	156	3.5	33	0.9	123	2.6	78.8 %	73.2 %

**Notes:** DK: including international registers like the Danish International Ship Register; including vessels registered at territorial dependencies.

**Russia:** 1 523 ships 16.907 mio dwt; **Monaco:** 70 ships 2.721 mio dwt;

**Ukraine:** 358 ships 2.359 mio dwt; **Gibraltar:** 10 ships 0.286 mio dwt.

## Sea

### WORLD MERCHANT FLEET

#### TOTAL CONTROLLED FLEET BY WORLD REGION

	dwt (million)					
On 1 January:						
World region	1995	2000	2005	2006	2007	2008
<b>Europe (*)</b>	311.2	350.1	400.9	420.6	465.1	480.9
of which: EU-27	223.6	258.0	316.9	332.1	368.5	392.1
of which: EU-15	207.5	247.5	305.0	321.2	355.9	377.4
<b>North America</b>	51.0	49.4	45.4	51.6	49.3	49.7
<b>Latin America</b>	18.7	15.7	14.4	12.3	12.4	13.5
<b>Asia / Oceania</b>	246.7	292.7	361.3	399.4	423.4	462.7
<b>Africa</b>	6.7	7.1	5.1	5.0	5.0	5.1
<b>Unknown</b>	38.0	38.1	52.7	47.4	45.8	59.3
<b>TOTAL</b>	<b>672.4</b>	<b>753.2</b>	<b>879.9</b>	<b>936.4</b>	<b>1001.1</b>	<b>1071.0</b>
SHARE OF EU IN TOTAL AND OF FOREIGN FLAG IN EU						
<b>EU-27 control of total</b>	33.2%	34.2%	36.0%	35.5%	36.8%	36.6%
<b>EU-15 control of total</b>	30.9%	32.9%	34.7%	34.3%	35.5%	35.2%
<b>EU-27: Foreign flag share (**)</b>	56.5%	68.1%	67.8%	67.7%	69.3%	68.6%
<b>EU-15: Foreign flag share (**)</b>	57.7%	67.7%	67.0%	67.6%	69.4%	68.7%

**Notes:** only ships of 1 000 gt and over.

(\*) In this table Europe includes EU-27, EFTA, Monaco, Gibraltar, Andorra, Turkey, Western Balkan countries, Russia, Ukraine and Moldavia.

(\*\*) Foreign flag share includes ships registered by EU countries in other EU countries.



## Sea WORLD MERCHANT FLEET

### FOR TRANSPORT OF GOODS AND PASSENGERS: FLEET BY TYPE OF SHIP AND COUNTRY OF DOMICILE

On 1 January 2008

(ships of 1 000 gt and over)	Number			dwt (thousand)		
	WORLD	EU-27	%	WORLD	EU-27	%
<b>TOTAL FLEET</b>	34 915	11 130	32	1 071 034	392 052	37
<b>Tankers</b>	8 743	2 749	31	436 229	156 638	36
OF WHICH:						
Oil tankers	6 912	2 220	32	397 629	144 016	36
Chemical tankers	744	176	24	8 653	1 677	19
Liquid gas tankers	1 087	353	32	47 929	11 962	25
Bulk carriers	6 757	2 071	31	386 212	124 061	32
Container ships	4 243	2 249	53	144 528	80 119	55
General cargo	12 981	3 331	26	98 193	28 923	29
OF WHICH:						
Single-deck	6 827	1 573	23	48 040	12 383	26
Multi-deck	3 201	767	24	23 483	5 468	23
Ro-Ro Cargo	841	333	40	6 334	3 150	50
Reefer	1 012	335	33	6 530	2 812	43
Special	1 100	323	29	13 807	5 110	37
Passenger and passenger cargo	2 191	730	33	5 871	2 311	39

### FOR TRANSPORT OF GOODS AND PASSENGERS

On 1 January 2008

FLAG, NUMBERS AND GROSS TONS

(ships of 300 gt and over)	Number			gt (thousand)		
	WORLD	EU-27	%	WORLD	EU-27	%
<b>TOTAL PASSENGER AND PASSENGER/CARGO SHIPS</b>	4 135	1 272	31	31 245	12 984	42
Cargo passenger and Ro-Ro passenger ships	2 590	865	33	16 721	9 432	56
Passenger (not Ro-Ro)	1 545	407	26	14 524	3 552	24
Cruise ships (ships of 1 000 gt and over)	284	90	32	14 068	4 135	29

**Notes:** No deadweight figure is given for cruise ships, since dwt is a measure of the weight admissible in the vessel.  
Ro-Ro: vehicles roll on to embark, vehicles roll off to disembark.  
Reefer: refrigerated ships.

## Air

### PASSENGER AIRCRAFT

#### NUMBER OF CIVIL AIRCRAFT IN SERVICE

On 31 December 2009					PASSENGER AIRCRAFT
	50 seats or less	51 to 150 seats	151 to 250 seats	251 seats and more	TOTAL
<b>EU-27</b>	614	1 447	1 568	500	4 129
<b>EU-15</b>	507	1 270	1 452	497	3 726
<b>EU-12</b>	107	177	116	3	403
BE	19	40	15	6	80
BG	8	13	16		37
CZ	15	29	21		65
DK	31	43	24	7	105
DE	67	326	204	94	691
EE	7	6			13
IE	5	29	245	8	287
EL	11	30	36	2	79
ES	47	85	168	43	343
FR	92	135	129	94	450
IT	13	84	154	24	275
CY		3	9	2	14
LV	7	24	6	1	38
LT	7	4	2		13
LU	8	8	1		17
HU	6	21	29		56
MT	9	6	7		22
NL	7	75	44	51	177
AT	33	51	31	7	122
PL	20	36	14		70
PT	13	30	38	19	100
RO	19	24	11		54
SI	7	4			11
SK	2	7	1		10
FI	9	59	20	13	101
SE	51	29	10	5	95
UK	101	246	333	124	804
HR	3	9	9		21
MK		1			1
TR		48	169	14	231
IS	13	2	9		24
NO	39	100	35	2	176
CH	20	63	51	6	140

**Notes:** More than 30 000 small private planes not included  
In this table blanks means none.

## Air

### FREIGHT, SPECIAL, BUSINESS AIRCRAFT

#### NUMBER OF CIVIL AIRCRAFT IN SERVICE

On 31 December 2009

	FREIGHT / CARGO		QUICK-CHANGE CONVERTIBLE	SPECIAL PURPOSE / AMBULANCE	BUSINESS / CORPORATE / EXECUTIVE
	under 100 000 lbs mtow	over 100 000 lbs mtow	(pass./cargo) Multi-role		
<b>EU-27</b>	190	163	69	84	1 979
<b>EU-15</b>	139	158	66	79	1 838
<b>EU-12</b>	51	5	3	5	141
BE	13	27	4	1	52
BG		1	1		20
CZ	3			1	21
DK		11	9		69
DE	14	22	2	24	369
EE	1				8
IE	15	6			23
EL	5			1	36
ES	37	9	9	8	123
FR	1	14	17	15	109
IT	2	3	4	2	124
CY					7
LV	7	2			12
LT	5				3
LU	9	13		4	62
HU	15	1	1	1	7
MT					11
NL		9	3	3	42
AT	1			4	245
PL	17		1	3	12
PT			2	1	179
RO					13
SI	3	1			15
SK					12
FI			1	2	24
SE	28		2	4	41
UK	14	44	13	10	340
HR					4
MK					
TR	4	23		1	64
IS		14			3
NO				1	12
CH	12			5	179
LI					6

**Notes:** Special purpose / Ambulance: contains data about Hospital / Ambulance / Medevac and Special Role / Operations / Mission aircraft.  
mtow: maximum take-off weight.  
In this table blanks means none.

## Rail

### LOCOMOTIVES AND RAILCARS

#### STOCK OF VEHICLES

	1995	2000	2005	2006	2007	2008	% CHANGE '07/'08
<b>EU-27</b>	65 715		47 546	48 261	61 625	60 668	-1.6
<b>EU-15</b>	43 444		33 062	34 026	47 314	47 197	-0.2
<b>EU-12</b>	22 271	17 460	14 484	14 235	14 311	13 471	-5.9
BE	1 727	1 670	1 518	1 469	1 449	1 403	-3.2
BG	1 119	762	669	687	699	713	2.0
CZ		3 596	3 163	3 037	2 921	2 758	-5.6
DK	524	415	464	447	447	448	0.2
DE	14 437	9 656	7 742	8 817	13 890	14 565	4.9
EE	300	194	170	167	190	98	
IE	166	172	412	428	428	549	28.3
EL	400	244	289	284	295	301	2.0
ES	1 922	1 693	1 946	1 745	1 918	1 983	3.4
FR	7 279	7 158	7 354	6 995	7 155	7 050	-1.5
IT	4 818	4 697	4 674	5 008	4 683	4 621	-1.3
CY	-	-	-	-	-	-	
LV	739	433	358	348	346	197	
LT	389	419	365	368	368	356	-3.3
LU	97	124	145	128	149	159	6.7
HU	2 040	1 453	1 385	1 400	1 413	959	
MT	-	-	-	-	-	-	
NL	2 372	1 965	2 078	2 025	2 033	2 079	2.3
AT	1 543	1 530	1 500	1 639	1 725	1 668	-3.3
PL	6 801	5 293	4 723	4 561	4 581	4 617	0.8
PT	530	589	439	429	433	431	-0.5
RO	4 515	3 440	2 186	2 220	2 262	2 290	1.2
SI	358	300	261	271	273	267	-2.2
SK		1 570	1 204	1 176	1 258	1 216	-3.3
FI	669	735	702	697	694	662	-4.6
SE	1 350	887	622	644	648	639	-1.4
UK	5 610		3 177	3 271	11 367	10 639	-6.4
HR	563	480	377	374	339	345	1.8
MK	92	101	73	72	72	72	0.0
TR	897	849	735	732	724	613	-15.3
IS	-	-	-	-	-	-	
NO	502	299	289	223	223	223	0.0
CH	1 254	1 528	2 198	2 167	2 272	2 278	0.3

Notes: Data relate to main railways (UIC members).

## Rail

### PASSENGER TRANSPORT VEHICLES

#### STOCK OF COACHES, RAILCARS AND TRAILERS

	1995	2000	2005	2006	2007	2008	% CHANGE '07/'08
<b>EU-27</b>			<i>98 929</i>	<i>96 654</i>	<i>95 770</i>	<i>99 552</i>	3.9
<b>EU-15</b>			<i>75 305</i>	<i>73 503</i>	<i>72 318</i>	<i>76 487</i>	5.8
<b>EU-12</b>		30 818	23 624	23 151	23 452	23 065	-1.7
BE	3 286	3 494	3 251	3 235	3 275	3 201	-2.3
BG	2 386	2 099	1 558	1 531	1 550	1 599	3.2
CZ		5 252	4 895	4 767	4 566	4 561	-0.1
DK	1 594	1 590	1 473	1 473	1 473	1 523	3.4
DE	24 139	21 097	20 169	18 174	17 537	18 671	6.5
EE	596	241	183	185	189	189	0.0
IE	314	421	581	581	581	649	11.7
EL	810	505	564	591	781	793	1.5
ES	3 839	3 765	5 239	5 024	4 860	5 075	4.4
FR	15 748	15 656	15 879	15 995	15 863	16 255	2.5
IT	14 025	11 914	10 066	10 418	10 174	9 825	-3.4
CY	-	-	-	-	-	-	
LV	1 226	702	490	490	491	491	0.0
LT	664	563	467	458	423	363	-14.2
LU	114	149	185	191	191	187	-2.1
HU	4 385	3 232	2 787	2 797	3 372	3 253	-3.5
MT	-	-	-	-	-	-	
NL	2 268	2 742	852	870	833	2 818	
AT	3 689	3 468	3 112	3 040	2 978	3 010	1.1
PL	11 928	9 761	7 725	7 416	7 255	7 224	-0.4
PT	1 232	1 303	1 125	1 062	1 060	1 051	-0.8
RO	6 352	6 234	3 310	3 380	3 462	3 314	-4.3
SI	606	461	401	400	373	362	-2.9
SK		2 273	1 808	1 727	1 771	1 709	-3.5
FI	957	1 003	1 084	1 083	1 024	1 035	1.1
SE	1 747	1 000	791	832	792	879	11.0
UK			10 934	10 934	10 896	11 515	5.7
HR	1 052	720	579	571	552	553	0.2
MK	175	164	125	124	124	124	0.0
TR	1 443	1 415	1 312	1 306	1 319	1 304	-1.1
IS	-	-	-	-	-	-	
NO	900	918	191	191	191	191	0.0
CH	4 136	3 333	4 293	4 463	4 491	4 470	-0.5

Notes: Data relate to main railways (UIC members).

## Rail

### GOODS TRANSPORT WAGONS

#### STOCK OF VEHICLES

	1995	2000	2005	2006	2007 (*)	2008 (*)
<b>EU-27</b>						
<b>EU-15</b>	825 398					
<b>EU-12</b>	516 764	421 261	282 394	286 769	224 743	216 756
BE	30 332	18 790	17 375	15 544	10 616	9 454
BG	42 459	29 720	16 511	17 111	12 417	12 825
CZ		58 524	44 545	42 762	32 809	31 656
DK	4 632	2 236				
DE	366 724	189 558	158 247	155 468	95 595	119 916
EE		5 857	18 971	17 109	3 353	2 905
IE	1 830	1 856	926	1 095	891	891
EL	10 967	3 453	3 491	3 166	3 568	4 763
ES	37 687	26 452	23 842	15 031	15 524	14 973
FR	148 100	94 789	95 738	91 816	31 589	31 845
IT	99 728	70 115	45 730	46 450	41 477	40 819
CY	-	-	-	-	-	-
LV	11 085	9 146	8 871	8 848	5 256	5 228
LT	12 860	13 155	13 192	13 393	9 486	9 648
LU	2 719	2 626	3 222	3 456	3 526	3 836
HU		23 528	19 130	13 824	11 719	11 766
MT	-	-	-	-	-	-
NL	6 697	4 700				
AT	34 330	23 970	22 655	16 891	18 473	18 873
PL	275 582	130 116	75 164	74 146	73 993	74 408
PT	4 579	4 162	3 495	3 197	2 953	3 043
RO	166 086	117 982	65 175	65 916	53 616	46 863
SI	8 692	6 258	4 465	4 508	3 979	3 921
SK		26 975	16 370	29 152	18 115	17 536
FI	15 200	12 630	11 216	11 024	10 790	10 934
SE	27 470	17 596	13 649			
UK	34 403					8 284
HR	13 720	9 986	7 330	6 813	6 781	6 632
MK			1 525	1 553	1 498	1 498
TR	21 941	17 872	17 499	18 229	17 041	17 079
IS	-	-	-	-	-	-
NO						
CH	27 104	19 894	18 339	10 917	10 464	11 516

**Notes:** Data relate to main railways (UIC members).

(\*) Not including private-owners' vehicles;  
not fully comparable with data of previous years.

## Road Fatalities

	1990	2000	2001	2005	2006	2007	2008	%	
								CHANGE '07/'08	CHANGE '01/'08
<b>EU-27</b>	75 977	56 459	54 303	45 300	43 062	42 496	38 875	-8.5	-28.4
<b>EU-15</b>	55 888	41 421	40 266	31 384	29 514	28 277	25 429	-10.1	-36.8
<b>EU-12</b>	20 089	15 038	14 037	13 916	13 548	14 219	13 446	-5.4	-4.2
BE	1 976	1 470	1 486	1 089	1 069	1 071	944	-11.9	-36.5
BG	1 567	1 012	1 011	957	1 043	1 006	1 061	5.5	4.9
CZ	1 291	1 486	1 334	1 286	1 063	1 221	1 076	-11.9	-19.3
DK	634	498	431	331	306	406	406	0.0	-5.8
DE	11 046	7 503	6 977	5 361	5 091	4 949	4 477	-9.5	-35.8
EE	436	204	199	170	204	196	132	-32.7	-33.7
IE	478	418	412	400	365	338	279	-17.5	-32.3
EL	2 050	2 037	1 880	1 658	1 657	1 612	1 555	-3.5	-17.3
ES	9 032	5 777	5 517	4 442	4 104	3 823	3 100	-18.9	-43.8
FR	11 215	8 079	8 162	5 318	4 709	4 620	4 275	-7.5	-47.6
IT	7 151	7 061	7 096	5 818	5 669	5 131	4 731	-7.8	-33.3
CY	116	111	98	102	86	89	82	-7.9	-16.3
LV	947	635	558	442	407	419	316	-24.6	-43.4
LT	933	641	706	773	760	739	498	-32.6	-29.5
LU	70	76	70	47	36	43	35	-18.6	-50.0
HU	2 432	1 200	1 239	1 278	1 303	1 232	996	-19.2	-19.6
MT	4	15	16	17	11	14	15	7.1	-6.3
NL	1 376	1 082	993	750	730	709	677	-4.5	-31.8
AT	1 391	976	958	768	730	691	679	-1.7	-29.1
PL	7 333	6 294	5 534	5 444	5 243	5 583	5 437	-2.6	-1.8
PT	2 646	1 877	1 670	1 247	969	974	885	-9.1	-47.0
RO	3 782	2 499	2 450	2 629	2 587	2 800	3 061	9.3	24.9
SI	517	313	278	258	262	293	214	-27.0	-23.0
SK	731	628	614	560	579	627	558	-11.0	-9.1
FI	649	396	433	379	336	380	344	-9.5	-20.6
SE	772	591	583	440	445	471	397	-15.7	-31.9
UK	5 402	3 580	3 598	3 336	3 298	3 059	2 645	-13.5	-26.5
HR	1 360	655	647	597	614	619	664	7.3	2.6
MK		162	107	143	140	173	162	-6.4	51.4
TR	6 317	5 510	4 386	4 505	4 633	5 007	4 236	-15.4	-3.4
IS	24	32	24	19	31	15	12	-20.0	-50.0
NO	332	341	275	224	242	233	255	9.4	-7.3
CH	954	592	544	409	370	384	357	-7.0	-34.4

**Notes:** Persons killed are all persons deceased within 30 days of the accident. Corrective factors have been applied to the figures which did not follow this definition.

## Road Fatalities Country Rankings

### FATALITIES

						2008
per million inhabitants		per 10 billion pkm		per million passenger cars		
MT	36	UK	39	MT	66	
NL	41	SE	40	UK	91	
SE	43	NL	45	NL	91	
UK	43	LU	51	SE	93	
DE	55	DE	51	LU	108	
IE	63	FI	53	DE	109	
FI	65	IE	56	FI	131	
ES	68	FR	58	IT	132	
FR	69	IT	59	FR	137	
LU	72	MT	68	ES	141	
DK	74	DK	75	IE	144	
EU-27	78	EU-27	80	AT	159	
IT	79	BE	84	EU-27	168	
AT	81	SI	85	BE	185	
PT	83	ES	89	CY	192	
BE	88	AT	91	DK	195	
EE	98	PT	99	PT	201	
HU	99	EE	124	SI	208	
SK	103	LT	129	EE	245	
CZ	103	CY	139	CZ	247	
CY	103	CZ	142	LT	306	
SI	106	EL	147	EL	317	
EL	138	LV	181	HU	328	
BG	139	PL	196	LV	344	
LV	139	SK	206	PL	355	
RO	142	HU	230	SK	375	
PL	143	BG	241	BG	477	
LT	148	RO	420	RO	809	

**Notes:** **Fatalities:** all fatalities on the road: car drivers and passengers, bus and coach occupants, powered two-wheelers' riders and passengers, cyclists, pedestrians, commercial vehicle drivers, etc. indicated in table 3.7.1 for 2008.

**pkm:** indicator of traffic volume (in the absence of consistent vehicle-kilometre data); passenger-kilometres of cars indicated in table 3.3.4 for 2008 plus passenger-kilometres of motorised two-wheelers.

**Inhabitants:** the sum of the population indicated in table 1.5 at 1 January 2008 and 1 January 2009 divided by two.

**Passenger cars:** the sum of the stock of vehicles indicated in table 3.6.2 for 2007 and 2008 divided by two.



## Road Fatalities BY TYPE OF USER

	YEAR	TOTAL	DRIVER	PASSENGER	PEDESTRIAN	OTHER/NOT SPECIFIED	PEDESTRIAN AS A % OF TOTAL
BE	2008	944	636	147	99	62	10.5%
BG							
CZ	2008	1 076	629	209	238	0	22.1%
DK	2008	406	288	60	58	0	14.3%
DE	2008	4 477	3 108	704	653	12	14.6%
EE	2008	132	58	30	41	3	31.1%
IE	2006	365	202	89	72	2	19.7%
EL	2008	1 553	1 019	285	248	1	16.0%
ES	2008	3 099	1 910	668	502	19	16.2%
FR	2008	4 275	2 963	750	548	14	12.8%
IT	2007	5 131	3 543	833	627	128	12.2%
CY	2008	82	55	11	16	0	19.5%
LV	2007	419	174	82	158	5	37.7%
LT							
LU	2005	47	34	0	2	11	4.3%
HU	2008	996	542	203	251	0	25.2%
MT	2007	12	8	0	3	1	25.0%
NL	2007	709	511	105	86	7	12.1%
AT	2008	679	480	97	102	0	15.0%
PL	2005	5 444	2 472	1 216	1 756	0	32.3%
PT	2007	974	606	212	156	0	16.0%
RO	2008	3 061	1 223	768	1 065	5	34.8%
SI	2008	214	146	6	39	23	18.2%
SK							
FI	2008	344	228	63	53	0	15.4%
SE	2008	397	286	62	45	4	11.3%
UK	2007	3 059	1 819	577	663	0	21.7%

**Notes:** Persons deceased within 30 days of their accident.  
'Driver' includes cyclists.

## Road Fatalities of Vehicle Occupants BY TYPE OF VEHICLE

	YEAR	TOTAL	CAR AND TAXI	BUS OR COACH	HEAVY GOODS VEHICLE	LORRY, <3.5 TONNES	MOTORCYCLE	MOPED	PEDAL CYCLE	AGRICULTURAL TRACTOR	OTHER MOTORIZED	NOT SPECIFIED
BE	2008	845	479	2	25	40	108	32	86	3	8	62
BG												
CZ	2008	838	573	0	18	27	121	2	93	0	4	0
DK	2008	348	196	0	2	22	40	30	54	1	3	0
DE	2008	3 824	2 368	10	91	92	656	110	456	11	18	12
EE	2008	91	69	0	3	0	1	6	9	0	0	3
IE	2006	293	226	3	2	16	29	0	9	0	6	2
EL	2008	1 305	708	4	19	62	394	41	22	44	10	1
ES	2008	2 597	1 495	28	85	189	484	181	59	26	30	20
FR	2008	3 727	2 205	20	76	134	817	291	148	11	11	14
IT	2007	4 504	2 320	18	59	25	1 182	358	352	24	38	128
CY	2008	66	36				16	8	6			0
LV	2007	261	203	3	12	0	10	4	18	6	0	5
LT												
LU	2005	45	28	0	0	0	5	0	1	0	0	11
HU	2008	745	448	3	22	33	91	26	109	0	13	0
MT	2007	9	4	0	0	0	4	0	0	0	0	1
NL	2007	623	299	1	7	35	64	60	147	2	1	7
AT	2008	577	367	2	3	19	91	25	62	6	2	0
PL	2005	3 688	2 526	52	217	0	157	53	603	67	13	0
PT	2007	818	417	15	25	70	145	71	34	32	9	0
RO	2008	1 996	1 321	6	139	0	90	150	179	5	101	5
SI	2008	175	82	0	0	3	40	8	17	2	0	23
SK												
FI	2008	291	202	0	5	9	36	13	18	6	2	0
SE	2008	352	230	1	5	11	51	11	30	0	9	4
UK	2007	2 396	1 489	14	54	63	596	18	138	1	23	0

Notes: Persons deceased within 30 days of their accident.

## Road Accidents

### NUMBER OF ACCIDENTS INVOLVING PERSONAL INJURY

	thousand							%
	1990	1995	2000	2005	2006	2007	2008	CHANGE '07/'08
<b>EU-27</b>	1 487.61	1 420.352	1 462.996	1 321.450	1 299.245	1 296.928	1 232.211	-4.9
<b>EU-15</b>	1 342.80	1 269.186	1 316.375	1 165.078	1 143.616	1 134.800	1 073.253	-5.4
<b>EU-12</b>	144.81	151.166	146.621	156.372	155.629	162.128	158.958	-1.0
<b>BE</b>	62.45	50.744	49.065	49.307	49.171	43.239	42.115	-2.6
<b>BG</b>	6.48	7.435	6.886	8.224	8.222	8.010	8.045	0.4
<b>CZ</b>	21.91	28.746	25.445	25.239	22.115	23.060	22.481	-2.5
<b>DK</b>	9.16	8.373	7.346	5.413	5.403	5.549	5.020	-9.5
<b>DE</b>	389.35	388.003	382.949	336.618	327.984	335.845	320.614	-4.5
<b>EE</b>	2.10	1.644	1.504	2.341	2.585	2.449	1.857	-24.2
<b>IE</b>	6.07	8.117	7.749	6.533	6.018	5.544	5.544	0.0
<b>EL</b>	19.61	22.798	23.001	16.914	16.190	15.499	15.983	3.1
<b>ES</b>	101.51	83.586	101.729	91.187	99.779	100.508	93.161	-7.3
<b>FR</b>	162.57	132.949	121.223	84.525	80.309	81.272	74.487	-8.3
<b>IT</b>	161.78	182.761	229.034	240.011	238.124	230.871	218.963	-5.2
<b>CY</b>	3.17	3.052	2.397	1.382	1.558	1.468	1.392	-5.2
<b>LV</b>	4.33	4.056	4.482	4.466	4.301	4.780	4.184	-12.5
<b>LT</b>	5.14	4.144	5.807	6.772	6.589	6.448	4.897	-24.1
<b>LU</b>	1.22	1.145	0.899	0.775	0.805	0.937	0.757	-19.2
<b>HU</b>	27.80	19.817	17.493	20.777	20.977	20.634	19.174	-7.1
<b>MT</b>	0.24	0.969	1.253	0.848	0.894	0.942	1.157	22.8
<b>NL</b>	44.89	42.641	42.271	27.007	24.527	25.819	21.832	-15.4
<b>AT</b>	46.34	38.956	42.126	40.896	39.884	41.096	39.173	-4.7
<b>PL</b>	50.53	56.904	57.331	48.100	46.876	49.536	49.054	-1.0
<b>PT</b>	45.11	48.339	44.463	37.066	35.680	35.311	33.613	-4.8
<b>RO</b>	9.71	9.119	7.555	19.819	21.905	24.661	29.307	18.8
<b>SI</b>	5.18	6.567	8.584	10.509	11.620	11.640	9.165	-21.3
<b>SK</b>	8.24	8.713	7.884	7.895	7.987	8.500	8.245	-3.0
<b>FI</b>	10.18	7.812	6.633	7.020	6.740	6.657	6.881	3.4
<b>SE</b>	16.98	15.626	15.770	18.094	18.213	18.548	18.309	-1.3
<b>UK</b>	265.60	237.336	242.117	203.712	194.789	188.105	176.801	-6.0
<b>HR</b>	14.47	12.67	14.43	15.68	16.71	18.03	16.28	-9.7
<b>MK</b>	2.30		1.70		3.31	4.04		
<b>TR</b>	55.77	66.03	75.20					
<b>IS</b>	0.56	1.06	0.98	0.67	0.89	1.13	1.07	-5.2
<b>NO</b>	8.80	8.63	8.44	8.08	7.93	8.18	7.73	-5.6
<b>CH</b>	23.83	23.03	23.74	21.71	21.49	21.91	20.74	-5.4

**Notes:** The definition of an accident involving personal injury differs from country to country.

## Railway Fatalities

### NUMBER OF RAILWAY PASSENGERS KILLED IN ACCIDENTS INVOLVING RAILWAY

	1990	2000	2001	2002	2003	2004	2005	2006	2007	2008
<b>EU-27</b>							65	138	76	83
<b>EU-15</b>	165	117	75	121	91	75	51	36	54	28
<b>EU-12</b>							14	102	22	55
BE	0	3	10	0	4	1	0	2	9	0
BG			3	0	26	26	3	1	2	12
CZ		1	0	4	2	5	4	2	0	13
DK	1	3	0	2	0	0	0	0	0	0
DE	50	38	13	26	23	25	7	2	3	1
EE							0	0	0	0
IE	1	2	2	1	0	0	0	0	0	0
EL	0	20	4	4	0	0	0	3	0	1
ES	4	0	0	3	16	0	1	10	14	5
FR	30	15	11	24	7	6	5	11	9	10
IT	9	8	9	17	9	11	22	5	11	4
CY	-	-	-	-	-	-	-	-	-	-
LV							0	0	0	0
LT					0	0	0	0	0	0
LU	0	0	0	0	0	0	0	0	0	0
HU	33	11	11	12	9	8	6	3	8	10
MT	-	-	-	-	-	-	-	-	-	-
NL	2	0	0	0	0	0	0	0	0	0
AT	6	4	3	13	7	2	1	2	4	4
PL	21	20	0	16	11	15	0	10	11	7
PT	22	2	11	8	15	8	7	0	1	3
RO		0	8	4	0	1	1	86	1	12
SI		0	0	1	1	0	0	0	0	0
SK		0	0	2	2	2	0	0	0	1
FI	0	2	2	0	0	2	0	1	0	0
SE	3	0	0	0	0	2	0	0	0	0
UK	37	20	10	23	10	18	8	0	3	0
HR					5	5	1	0	3	0
MK							0	0	0	2
TR	17	9	11	7	8	46	10	6	1	9
IS	-	-	-	-	-	-	-	-	-	-
NO	4	32	2	0	0	0	0	0	1	0
CH	8	2	3	4	9	1	3	0	0	0

## Air LIVES LOST

PERIOD	Lives lost over EU-27 territory by any operator	Lives lost by EU-27 operators anywhere
1990	0	47
1991	41	278
1992	154	143
1993	16	16
1994	9	5
1995	133	121
1996	20	4
1997	71	1
1998	19	62
1999	46	66
2000	113	113
2001	122	125
2002	101	25
2003	5	5
2004	0	0
2005	144	125
2006	5	6
2007	0	1
2008	154	154
2009	9	228
1970-79/yr.	312	317
1980-89/yr.	179	145
1990-99/yr.	51	74
2000-09/yr.	65	78

**Notes:** Onboard fatalities, and only those in aircraft with a take-off mass above 5 701kg. Data include fatalities from Commercial Air Transport (passenger, cargo, air taxi, ferry/positioning and emergency medical service) and fatalities from General Aviation (only 'Business' flights).

## Sea SHIPS LOST

### SHIPS LOST (WORLD)

YEAR	TANKERS		BULKERS AND COMBINED CARRIERS		OTHER SHIPS	
	N°	1 000 gt	N°	1 000 gt	N°	1 000 gt
1996	13	58	14	247	59	294
1997	13	308	6	137	58	274
1998	5	26	11	160	62	323
1999	6	71	11	277	55	283
2000	10	173	21	394	68	248
2001	9	202	12	341	88	319
2002	10	119	10	234	77	454
2003	9	158	8	107	74	274
2004	18	104	6	103	62	277
2005	11	103	8	117	79	309
2006	11	35	9	397	70	294
2007	6	34	11	197	70	311

**Notes:** Reported world total losses at time of loss; ships of 500 gt and over.

# PART 4

# ENVIRONMENT



**PART 4**  
**SUMMARY**

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## Total Greenhouse Gas Emissions (GHG) (\*) MILLION TONNES CO<sub>2</sub> EQUIVALENT

	1990	1995	2000	2005	2006	2007
<b>EU-27</b>	<b>5 564.0</b>	<b>5 212.6</b>	<b>5 053.6</b>	<b>5 111.0</b>	<b>5 105.2</b>	<b>5 045.4</b>
<b>EU-25</b>	<b>5 203.3</b>	<b>4 943.2</b>	<b>4 848.8</b>	<b>4 890.5</b>	<b>4 879.4</b>	<b>4 817.3</b>
BE	143.2	149.5	145.1	141.9	136.6	131.3
BG	117.7	88.6	69.2	71.0	71.9	75.8
CZ	194.7	153.2	147.2	146.2	149.1	150.8
DK	69.1	76.2	67.8	63.5	71.0	66.6
DE	1 215.2	1 084.9	1 008.2	968.9	980.0	956.1
EE	41.9	20.9	18.4	19.6	19.2	22.0
IE	55.4	59.2	69.0	70.3	69.7	69.2
EL	105.6	110.2	127.1	131.8	128.1	131.9
ES	288.1	319.2	385.8	441.2	433.1	442.3
FR	562.6	556.2	556.8	553.9	541.7	531.1
IT	516.3	529.7	549.5	573.7	563.0	552.8
CY	5.5	6.9	9.3	9.9	10.0	10.1
LV	26.7	12.6	10.1	11.2	11.7	12.1
LT	49.1	21.8	19.2	22.6	22.9	24.7
LU	13.1	10.4	10.0	13.4	13.3	12.9
HU	99.2	79.8	78.0	80.4	78.9	75.9
MT	2.0	2.5	2.6	2.9	3.0	3.0
NL	212.0	224.7	214.4	212.2	208.5	207.5
AT	79.0	80.5	81.1	92.8	91.5	88.0
PL	459.5	446.4	389.0	386.6	399.3	398.9
PT	59.3	70.3	81.7	89.2	84.7	81.8
RO	243.0	180.8	135.5	149.4	153.8	152.3
SI	18.6	18.7	18.9	20.4	20.6	20.7
SK	73.3	52.6	48.4	49.4	48.9	47.0
FI	70.9	71.2	69.5	68.7	79.9	78.3
SE	71.9	73.6	68.2	67.2	66.9	65.4
UK	771.1	712.2	673.5	652.7	647.9	636.7
HR	31.4	22.9	26.0	30.4	30.8	32.4
MK						
TR	170.1	220.7	280.0	312.4	332.7	372.6
IS	3.4	3.2	3.7	3.7	4.2	4.5
NO	49.7	49.7	53.4	53.7	53.5	55.1
CH	52.7	51.0	51.6	53.7	53.2	51.3

**Notes:** (\*) Excluding international bunkers and LULUCF (Land Use, Land – Use Change and Forestry) emissions.

Emissions data is downloaded from European Environment Agency (EEA), which is the main provider for EU-wide greenhouse gas emissions data. EEA prepares and maintains the complete EU greenhouse gas emissions inventory, which is based on data reported by Member States through the EU greenhouse gas monitoring mechanism and the UNFCCC process.

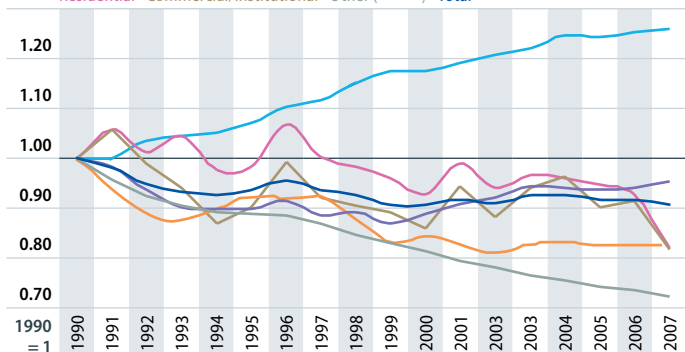
GHGs: carbon dioxide (CO<sub>2</sub>), methane (CH<sub>4</sub>), nitrous oxide (N<sub>2</sub>O), sulphur hexafluoride (SF<sub>6</sub>), hydrofluorocarbons (HFC), perfluorocarbons (PFC).

## GHG Emissions (\*) by Sector – EU-27

### MILLION TONNES CO<sub>2</sub> EQUIVALENT

	TOTAL ENERGY	FUEL COMBUSTION	Energy Industries	Public Electricity and Heat Production	Petroleum Refining	Other Energy Industries	Manufacturing and Construction	Iron and Steel	Non-Ferrous Metals	Chemicals	Pulp, Paper and Print	Food, Beverages and Tobacco	Other
1990	4277.4	4123.1	1684.3	1461.7	116.0	106.7	820.3	155.5	17.1	85.5	29.0	42.8	490.3
1991	4244.1	4096.3	1660.6	1445.9	113.5	101.1	776.0	146.6	15.5	85.7	31.4	43.9	453.0
1992	4096.7	3955.1	1583.2	1377.1	115.3	90.7	732.8	140.1	14.3	84.4	29.7	43.5	420.8
1993	4043.3	3902.8	1521.5	1313.3	118.3	89.9	725.0	136.7	13.1	83.1	29.7	45.7	416.6
1994	3993.3	3861.2	1520.1	1307.6	120.8	91.8	727.9	146.6	13.9	83.2	32.1	46.5	405.7
1995	4031.5	3898.1	1518.0	1302.3	126.5	89.2	744.4	146.7	14.0	93.2	33.1	49.4	408.1
1996	4142.3	4011.5	1546.1	1331.9	129.4	84.8	743.2	142.0	14.2	88.5	33.0	50.6	414.8
1997	4037.1	3913.4	1494.0	1280.4	132.6	81.0	737.2	144.0	14.0	88.8	34.2	49.4	406.8
1998	4024.3	3907.9	1509.2	1300.0	134.1	75.1	705.8	136.5	14.2	85.8	33.9	49.0	386.6
1999	3963.6	3851.6	1467.6	1266.6	128.3	72.8	689.3	128.9	14.0	80.8	31.8	48.4	385.5
2000	3969.6	3860.1	1499.0	1296.8	130.7	71.4	693.1	131.1	14.2	81.6	32.7	46.9	386.6
2001	4053.3	3947.9	1532.7	1331.5	131.7	69.4	685.4	125.0	14.9	80.1	30.9	47.8	386.7
2002	4022.5	3919.1	1554.1	1351.7	132.8	69.6	661.8	117.4	15.0	76.9	31.1	46.9	374.6
2003	4108.9	4009.1	1596.3	1393.8	132.4	70.0	676.4	126.5	14.4	85.3	34.0	50.6	365.7
2004	4106.4	4011.6	1587.4	1380.4	136.3	70.7	667.3	126.2	14.1	84.7	32.6	48.9	360.8
2005	4066.4	3974.1	1583.0	1373.7	138.9	70.4	654.3	114.9	13.9	88.3	32.0	46.8	358.4
2006	4067.7	3977.8	1591.3	1388.9	134.7	67.7	653.5	122.2	14.7	82.5	31.4	44.6	358.0
2007	3999.1	3912.4	1610.7	1403.9	135.4	71.3	643.2	116.7	14.8	82.9	31.0	44.3	353.6

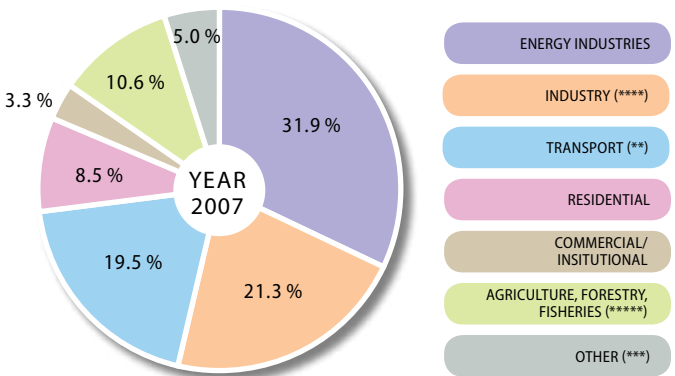
Energy Industries - Industry (\*\*\*\*) - Transport (\*\*)  
Residential - Commercial/Institutional - Other (\*\*\*\*\*)  
Total



**Notes:** (\*) Excluding LULUCF (Land Use, Land – Use Change and Forestry) Emissions and International Bunkers; (\*\*) Excluding international bunkers (international traffic departing from the EU); (\*\*\*\*) Emissions from Manufacturing and Construction and Industrial Processes; (\*\*\*\*\* Emissions from Agriculture/Forestry/Fisheries, Other (Not elsewhere specified), Fugitive Emissions from Fuels, Solvent and Other Product Use, Agriculture, Waste, Other.

## GHG Emissions (\*) by Sector – EU-27 MILLION TONNES CO<sub>2</sub> EQUIVALENT

Transport (**)	Other Sectors	Commercial / Institutional	Residential	Agriculture / Forestry / Fisheries	Other (Not elsewhere specified)	FUGITIVE EMISSIONS FROM FUELS	INDUSTRIAL PROCESSES	SOLVENT AND OTHER PRODUCT USE	AGRICULTURE	WASTE	OTHER	TOTAL EMISSIONS	
779.7	812.1	202.1	517.3	92.7	26.7	154.3	478.0	16.2	579.5	212.9		5564.0	1990
784.5	853.0	214.4	548.6	90.0	22.2	147.7	440.7	15.8	548.8	215.0		5464.3	1991
808.1	812.0	200.5	524.2	87.2	19.1	141.6	425.0	15.1	525.8	213.5		5276.0	1992
816.4	821.7	190.6	541.7	89.5	18.3	140.5	409.8	14.7	506.5	211.5		5185.8	1993
822.6	772.9	176.5	507.1	89.3	17.7	132.1	437.8	13.8	504.5	209.6		5158.9	1994
837.9	782.1	182.7	509.7	89.6	15.8	133.4	455.9	13.9	504.1	207.2		5212.6	1995
862.6	845.1	201.4	552.7	91.0	14.5	130.8	452.5	13.9	506.0	203.3		5318.0	1996
873.0	795.3	186.6	520.3	88.4	14.0	123.6	459.7	14.0	507.3	196.0		5214.1	1997
901.0	778.3	183.3	509.6	85.4	13.6	116.5	432.4	14.1	505.0	183.9		5159.9	1998
917.9	763.9	180.8	497.7	85.4	12.9	111.9	392.8	13.7	501.0	178.3		5049.4	1999
917.8	738.2	174.1	481.9	82.2	12.0	109.6	405.1	13.5	493.2	172.2		5053.6	2000
931.1	788.0	191.6	513.5	82.9	10.7	105.5	393.5	13.0	484.8	164.5		5109.1	2001
943.8	748.8	179.1	488.0	81.8	10.5	103.5	390.4	12.8	479.4	160.5		5065.7	2002
953.8	772.1	190.6	500.8	80.7	10.5	99.8	401.0	12.6	473.6	154.2		5150.2	2003
972.7	773.0	195.2	497.7	80.0	11.2	94.8	412.5	12.6	472.8	148.9		5153.3	2004
971.7	754.0	182.7	491.6	79.6	11.0	92.3	420.0	12.4	466.4	145.7		5111.0	2005
977.6	745.4	185.4	481.6	78.4	10.1	89.9	417.7	12.5	463.5	143.8		5105.2	2006
982.5	665.6	165.6	426.5	73.5	10.4	86.6	430.6	12.4	462.2	141.2		5045.4	2007



**Notes:** (\*) Excluding LULUCF (Land Use, Land – Use Change and Forestry) Emissions and International Bunkers; (\*\*) Excluding international bunkers (international traffic departing from the EU); (\*\*\*) Emissions from Fuel Combustion in Other (Not elsewhere specified), Fugitive Emissions from Fuels, Solvent and Other Product Use, Waste, Other; (\*\*\*\*) Emissions from Manufacturing and Construction and Industrial Processes; (\*\*\*\*\*) Emissions from Fuel Combustion and other Emissions from Agriculture.

## GHG Emissions (\*) by Sector – EU-27

### SHARES %

	TOTAL ENERGY	FUEL COMBUSTION	Energy Industries	Public Electricity and Heat Production	Petroleum Refining	Other Energy Industries	Manufacturing and Construction	Iron and Steel	Non-Ferrous Metals	Chemicals	Pulp, Paper and Print	Food, Beverages and Tobacco	Other
1990	76.9	96.4	40.8	86.8	6.9	6.3	19.9	19.0	2.1	10.4	3.5	5.2	59.8
1991	77.7	96.5	40.5	87.1	6.8	6.1	18.9	18.9	2.0	11.0	4.0	5.7	58.4
1992	77.6	96.5	40.0	87.0	7.3	5.7	18.5	19.1	2.0	11.5	4.0	5.9	57.4
1993	78.0	96.5	39.0	86.3	7.8	5.9	18.6	18.9	1.8	11.5	4.1	6.3	57.5
1994	77.4	96.7	39.4	86.0	7.9	6.0	18.9	20.1	1.9	11.4	4.4	6.4	55.7
1995	77.3	96.7	38.9	85.8	8.3	5.9	19.1	19.7	1.9	12.5	4.4	6.6	54.8
1996	77.9	96.8	38.5	86.1	8.4	5.5	18.5	19.1	1.9	11.9	4.4	6.8	55.8
1997	77.4	96.9	38.2	85.7	8.9	5.4	18.8	19.5	1.9	12.0	4.6	6.7	55.2
1998	78.0	97.1	38.6	86.1	8.9	5.0	18.1	19.3	2.0	12.2	4.8	6.9	54.8
1999	78.5	97.2	38.1	86.3	8.7	5.0	17.9	18.7	2.0	11.7	4.6	7.0	55.9
2000	78.6	97.2	38.8	86.5	8.7	4.8	18.0	18.9	2.1	11.8	4.7	6.8	55.8
2001	79.3	97.4	38.8	86.9	8.6	4.5	17.4	18.2	2.2	11.7	4.5	7.0	56.4
2002	79.4	97.4	39.7	87.0	8.5	4.5	16.9	17.7	2.3	11.6	4.7	7.1	56.6
2003	79.8	97.6	39.8	87.3	8.3	4.4	16.9	18.7	2.1	12.6	5.0	7.5	54.1
2004	79.7	97.7	39.6	87.0	8.6	4.5	16.6	18.9	2.1	12.7	4.9	7.3	54.1
2005	79.6	97.7	39.8	86.8	8.8	4.4	16.5	17.6	2.1	13.5	4.9	7.2	54.8
2006	79.7	97.8	40.0	87.3	8.5	4.3	16.4	18.7	2.2	12.6	4.8	6.8	54.8
2007	79.3	97.8	41.2	87.2	8.4	4.4	16.4	18.1	2.3	12.9	4.8	6.9	55.0

**Notes:** (\*) Excluding LULUCF (Land Use, Land – Use Change and Forestry) Emissions and International Bunkers.

Indirect emissions from electricity use are not included in the GHG emissions from fuel combustion by manufacturing and construction, transport and other sectors (Commercial/Institutional, Residential and Agriculture/Forestry/Fisheries).

## GHG Emissions (\*) by Sector – EU-27

SHARES %

Transport (**)	Other Sectors	Commercial / Institutional	Residential	Agriculture / Forestry / Fisheries	Other (Not elsewhere specified)	FUGITIVE EMISSIONS FROM FUELS	INDUSTRIAL PROCESSES	SOLVENT AND OTHER PRODUCT USE	AGRICULTURE	WASTE	OTHER	TOTAL EMISSIONS	
18.9	19.7	24.9	63.7	11.4	0.6	3.6	8.6	0.3	10.4	3.8		100	1990
19.2	20.8	25.1	64.3	10.5	0.5	3.5	8.1	0.3	10.0	3.9		100	1991
20.4	20.5	24.7	64.6	10.7	0.5	3.5	8.1	0.3	10.0	4.0		100	1992
20.9	21.1	23.2	65.9	10.9	0.5	3.5	7.9	0.3	9.8	4.1		100	1993
21.3	20.0	22.8	65.6	11.5	0.5	3.3	8.5	0.3	9.8	4.1		100	1994
21.5	20.1	23.4	65.2	11.5	0.4	3.3	8.7	0.3	9.7	4.0		100	1995
21.5	21.1	23.8	65.4	10.8	0.4	3.2	8.5	0.3	9.5	3.8		100	1996
22.3	20.3	23.5	65.4	11.1	0.4	3.1	8.8	0.3	9.7	3.8		100	1997
23.1	19.9	23.6	65.5	11.0	0.3	2.9	8.4	0.3	9.8	3.6		100	1998
23.8	19.8	23.7	65.1	11.2	0.3	2.8	7.8	0.3	9.9	3.5		100	1999
23.8	19.1	23.6	65.3	11.1	0.3	2.8	8.0	0.3	9.8	3.4		100	2000
23.6	20.0	24.3	65.2	10.5	0.3	2.6	7.7	0.3	9.5	3.2		100	2001
24.1	19.1	23.9	65.2	10.9	0.3	2.6	7.7	0.3	9.5	3.2		100	2002
23.8	19.3	24.7	64.9	10.5	0.3	2.4	7.8	0.2	9.2	3.0		100	2003
24.2	19.3	25.3	64.4	10.4	0.3	2.3	8.0	0.2	9.2	2.9		100	2004
24.5	19.0	24.2	65.2	10.6	0.3	2.3	8.2	0.2	9.1	2.9		100	2005
24.6	18.7	24.9	64.6	10.5	0.3	2.2	8.2	0.2	9.1	2.8		100	2006
25.1	17.0	24.9	64.1	11.0	0.3	2.2	8.5	0.2	9.2	2.8		100	2007

**Notes:** (\*) Excluding LULUCF (Land Use, Land – Use Change and Forestry) Emissions and International Bunkers; (\*\*) Excluding international bunkers (international traffic departing from the EU).  
Indirect emissions from electricity use are not included in the GHG emissions from fuel combustion by manufacturing and construction, transport and other sectors (Commercial/Institutional, Residential and Agriculture/Forestry/Fisheries).

## GHG Emissions (\*) by Sector – 2007

### MILLION TONNES CO<sub>2</sub> EQUIVALENT

	TOTAL ENERGY	FUEL COMBUSTION	Energy Industries	Public Electricity and Heat Production	Petroleum Refining	Other Energy Industries	Manufacturing and Construction	Iron and Steel	Non-Ferrous Metals	Chemicals	Pulp, Paper and Print	Food, Beverages and Tobacco	Other
EU-27	3999.1	3912.4	1610.7	1403.9	135.4	71.3	643.2	116.7	14.8	82.9	31.0	44.3	353.6
EU-25	3839.1	3765.2	1529.0	1323.9	135.4	69.7	612.8	114.1	14.5	80.5	30.8	43.8	329.0
BE	106.7	106.2	27.0	22.0	4.7	0.3	26.4	8.6	0.5	7.9	0.6	1.8	7.1
BG	55.9	54.0	33.1	31.4	0.1	1.6	10.8	2.6	0.3	2.3	0.2	0.5	4.9
CZ	123.3	118.1	61.6	59.3	1.0	1.4	25.1	3.7	0.2	4.3	0.6	1.1	15.1
DK	52.5	52.1	25.5	22.9	1.0	1.6	5.8	0.4	0.0	0.4	0.2	1.5	3.1
DE	773.7	762.8	389.7	349.5	22.1	18.1	90.1	6.0	0.6		0.0	0.7	82.8
EE	19.1	18.6	14.5	13.6	0.9		1.0	0.0	0.0	0.0	0.0	0.0	1.0
IE	46.2	46.1	14.9	14.4	0.4	0.1	6.3	0.0	1.9	0.5	0.1	1.0	2.9
EL	108.1	106.4	59.1	55.0	4.0	0.1	10.5	0.2	1.5	0.9	0.3	0.7	6.9
ES	345.4	341.4	123.0	108.1	13.0	2.0	68.3	7.1	3.0	9.1	5.8	6.6	36.7
FR	383.7	378.0	67.3	48.2	15.3	3.8	78.1	16.9	1.9	16.3	4.7	11.9	26.4
IT	458.7	451.4	158.5	121.2	26.1	11.2	80.5	17.4	1.2	11.4	5.2	5.5	39.9
CY	7.8	7.8	3.9	3.9			1.2					0.1	1.1
LV	8.8	8.7	2.0	1.9		0.1	1.2	0.3	0.0	0.0	0.0	0.2	0.7
LT	13.5	13.3	5.0	3.4	1.5	0.0	1.6			0.1	0.0	0.3	1.2
LU	11.3	11.3	1.4	1.4			1.8	0.6	0.1	0.2		0.0	1.0
HU	56.9	54.8	20.6	18.4	1.8	0.4	7.9	3.1	1.6	1.6	0.2	0.7	0.7
MT	2.7	2.7	2.0	2.0			0.1	0.1					
NL	168.3	165.8	65.9	53.0	10.7	2.2	27.8	4.5	0.3	12.9	1.4	3.9	4.9
AT	66.1	65.2	14.0	10.5	2.9	0.6	15.8	6.2	0.3	1.5	2.2	0.9	4.7
PL	321.7	308.1	183.6	169.7	6.2	7.8	34.9	8.2	1.2	6.6	1.4	4.7	12.8
PT	57.6	56.0	19.9	17.3	2.6		10.9	0.2		2.1	0.9	0.8	6.8
RO	104.0	93.2	48.6	48.6			19.6						19.6
SI	16.7	16.2	6.6	6.6	0.0	0.0	2.3	0.2	0.1	0.2	0.5	0.1	1.3
SK	35.5	34.5	10.3	7.3	1.6	1.5	12.5	6.6	0.2	1.8	0.6	0.4	3.0
FI	63.6	63.4	30.8	27.7	2.8	0.4	11.4	3.4	0.1	1.0	4.4	0.2	2.3
SE	48.2	47.0	10.8	8.5	1.9	0.3	10.7	1.2	0.1	1.6	1.8	0.7	5.3
UK	542.9	529.5	211.3	178.3	15.1	17.8	80.4	19.0					61.4
HR	23.8	21.5	7.7	5.5	1.8	0.4	3.9	0.1	0.0	0.5	0.2	0.6	2.5
MK													
TR	288.3	286.5	106.9	101.0	6.0		80.5	10.0	10.0	2.4			58.0
IS	2.2	2.1	0.0	0.0			0.4	0.0	0.0			0.1	0.3
NO	40.0	35.6	12.8	0.6	1.1	11.1	3.6	0.1	0.2	1.4	0.4	0.4	1.2
CH	42.0	41.7	3.5	2.6	0.9		5.9	0.2	0.0	1.0	0.4	0.6	3.6

Notes: (\*) Excluding LULUCF (Land Use, Land – Use Change and Forestry) Emissions and International Bunkers.

## GHG Emissions (\*) by Sector – 2007

MILLION TONNES CO<sub>2</sub> EQUIVALENT

Transport (**)	Other Sectors				Other (Not elsewhere specified)	FUGITIVE EMISSIONS FROM FUELS	INDUSTRIAL PROCESSES	SOLVENT AND OTHER PRODUCT USE	AGRICULTURE	WASTE	OTHER	TOTAL EMISSIONS	
	Commercial / Institutional	Residential	Agriculture / Forestry / Fisheries										
982.5	665.6	165.6	426.5	73.5	10.4	86.6	430.6	12.4	462.2	141.2		5045.4	EU-27
961.4	651.7	161.1	417.7	72.9	10.4	73.9	401.2	12.1	437.6	127.1		4817.3	EU-25
25.9	26.7	5.5	19.0	2.2	0.1	0.5	13.7	0.2	9.6	1.1		131.3	BE
8.3	1.8	0.3	1.2	0.2	0.0	1.9	7.1	0.1	5.0	7.7		75.8	BG
19.2	11.0	3.2	7.6	0.2	1.1	5.3	15.6	0.5	7.8	3.5		150.8	CZ
14.2	6.5	0.8	3.6	2.0	0.2	0.5	2.5	0.1	10.1	1.4		66.6	DK
153.2	128.6	36.0	86.8	5.8	1.3	10.8	116.1	3.3	51.5	11.5		956.1	DE
2.6	0.5	0.1	0.3	0.1		0.5	0.9		1.3	0.7		22.0	EE
14.4	10.6	2.7	7.1	0.8		0.1	3.3	0.1	17.7	1.9		69.2	IE
23.7	13.1	1.5	8.7	2.9		1.7	9.1	0.2	11.3	3.2		131.9	EL
112.3	37.7	8.3	19.3	10.2		4.0	34.9	1.7	46.4	14.0		442.3	ES
136.9	95.8	27.7	59.2	8.8		5.7	40.2	1.4	95.7	10.0		531.1	FR
129.2	82.2	22.8	50.7	8.7	1.0	7.2	36.3	2.1	37.2	18.5		552.8	IT
2.3	0.4	0.1	0.2	0.1	0.0		0.9	0.0	0.8	0.7		10.1	CY
3.8	1.7	0.6	0.7	0.4	0.0	0.1	0.3	0.1	2.1	0.8		12.1	LV
5.2	1.5	0.4	0.8	0.2	0.0	0.2	5.5	0.1	4.3	1.4		24.7	LT
6.7	1.4	0.7	0.7	0.1	0.0	0.1	0.8	0.0	0.7	0.1		12.9	LU
12.8	13.5	3.9	8.4	1.1		2.2	5.2	0.2	9.5	4.1		75.9	HU
0.5	0.1	0.1	0.0				0.1	0.0	0.1	0.2		3.0	MT
35.7	36.1	10.3	16.3	9.4	0.3	2.5	14.5	0.2	18.4	6.0		207.5	NL
24.2	11.1	2.0	8.1	1.0	0.0	0.9	11.3	0.4	7.9	2.2		88.0	AT
38.8	50.7	8.2	33.0	9.5		13.6	33.3	0.7	35.0	8.1		398.9	PL
19.5	5.6	2.4	2.5	0.8	0.1	1.6	8.6	0.3	7.6	7.7		81.8	PT
12.9	12.1	4.2	7.5	0.5		10.8	22.2	0.2	19.5	6.4		152.3	RO
5.4	1.9	0.5	1.2	0.3		0.5	1.2	0.0	2.1	0.7		20.7	SI
6.7	3.9	0.7	3.1	0.1	1.1	1.0	5.8	0.1	3.2	2.3		47.0	SK
14.7	5.2	1.1	2.3	1.8	1.3	0.2	6.7	0.1	5.5	2.4		78.3	FI
20.8	4.5	0.9	1.8	1.8	0.3	1.3	6.5	0.3	8.4	1.9		65.4	SE
132.6	101.7	20.6	76.4	4.6	3.5	13.4	27.8		43.2	22.8		636.7	UK
6.6	3.4	0.6	2.1	0.7		2.3	4.1	0.2	3.4	0.9		32.4	HR
													MK
51.8	47.3		36.5	10.8		1.8	26.2		26.3	31.8		372.6	TR
1.0	0.6	0.0	0.0	0.6		0.2	1.5	0.0	0.5	0.2		4.5	IS
15.9	3.1	0.7	0.7	1.7	0.2	4.4	9.2	0.2	4.3	1.3		55.1	NO
16.3	15.4	4.7	10.2	0.6	0.6	0.3	3.1	0.2	5.3	0.7		51.3	CH

Notes: (\*) Excluding LULUCF (Land Use, Land – Use Change and Forestry) Emissions and International Bunkers; (\*\*) Excluding international bunkers (international traffic departing from the EU).

## GHG Emissions (\*) by Sector – 2007

SHARES %

	TOTAL ENERGY	FUEL COMBUSTION	Energy Industries	Public Electricity and Heat Production	Petroleum Refining	Other Energy Industries	Manufacturing and Construction	Iron and Steel	Non-Ferrous Metals	Chemicals	Pulp, Paper and Print	Food, Beverages and Tobacco	Other
EU-27	79.3	97.8	41.2	87.2	8.4	4.4	16.4	18.1	2.3	12.9	4.8	6.9	55.0
EU-25	79.7	98.1	40.6	86.6	8.9	4.6	16.3	18.6	2.4	13.1	5.0	7.2	53.7
BE	81.2	99.5	25.4	81.5	17.2	1.3	24.9	32.5	1.8	29.7	2.2	6.8	26.9
BG	73.8	96.5	61.3	94.9	0.2	4.9	20.0	23.8	2.7	21.7	1.8	4.5	45.5
CZ	81.8	95.7	52.2	96.2	1.6	2.2	21.3	14.9	0.8	17.3	2.4	4.4	60.1
DK	78.8	99.1	48.9	89.7	3.9	6.4	11.1	7.7	0.1	7.7	4.1	26.5	54.0
DE	80.9	98.6	51.1	89.7	5.7	4.6	11.8	6.7	0.6		0.0	0.7	91.9
EE	86.7	97.3	78.0	93.7	6.3		5.4	0.1	0.6	0.7	0.5	1.2	96.9
IE	66.7	99.9	32.2	96.7	2.5	0.8	13.7	0.0	29.7	7.4	1.3	16.2	45.5
EL	82.0	98.5	55.5	93.1	6.8	0.1	9.9	1.9	14.7	8.8	2.4	6.8	65.4
ES	78.1	98.8	36.0	87.9	10.5	1.6	20.0	10.4	4.4	13.3	8.5	9.6	53.8
FR	72.3	98.5	17.8	71.7	22.7	5.6	20.7	21.6	2.4	20.9	6.0	15.2	33.8
IT	83.0	98.4	35.1	76.5	16.5	7.1	17.8	21.6	1.4	14.1	6.5	6.8	49.5
CY	76.9	100.0	50.4	100.0			15.6					11.4	88.6
LV	73.1	98.8	22.7	97.2		2.8	14.2	24.5	0.9	1.7	0.9	17.7	54.2
LT	54.6	98.2	37.4	68.3	31.0	0.7	12.1			8.7	0.2	19.2	72.0
LU	87.9	99.6	12.1	100.0			16.1	31.3	3.0	9.4		1.4	54.9
HU	75.0	96.2	37.6	89.3	8.7	2.0	14.4	39.3	19.7	20.6	2.5	8.5	9.3
MT	88.7	100.0	75.1	100.0			1.9	100.0					
NL	81.1	98.5	39.7	80.4	16.2	3.4	16.8	16.3	0.9	46.3	5.0	13.8	17.7
AT	75.2	98.6	21.5	75.0	20.5	4.5	24.3	39.5	1.6	9.7	14.0	5.7	29.5
PL	80.7	95.8	59.6	92.4	3.4	4.2	11.3	23.4	3.5	19.0	3.9	13.6	36.5
PT	70.4	97.2	35.6	86.8	13.2		19.4	2.1		19.7	8.0	7.7	62.5
RO	68.3	89.6	52.2	100.0			21.1						100.0
SI	80.5	97.2	40.7	100.0	0.0	0.0	14.4	8.8	3.6	7.5	19.5	5.7	55.0
SK	75.7	97.1	29.8	70.7	15.1	14.2	36.2	52.6	1.3	14.3	4.6	3.0	24.2
FI	81.2	99.7	48.5	89.8	9.0	1.1	18.0	30.0	0.9	8.4	38.7	1.5	20.6
SE	73.7	97.4	22.9	78.9	18.1	3.1	22.7	11.6	0.9	15.1	16.8	6.3	49.4
UK	85.3	97.5	39.9	84.4	7.2	8.4	15.2	23.6					76.4
HR	73.5	90.4	35.6	71.3	24.0	4.7	18.1	2.7	0.5	13.8	4.1	14.4	64.4
MK													
TR	77.4	99.4	37.3	94.4	5.6		28.1	12.5	12.4	3.0			72.1
IS	48.9	93.2	1.4	100.0			20.6	0.4	4.0			18.5	77.2
NO	72.7	89.0	35.9	4.7	8.4	86.9	10.0	2.2	6.4	37.9	10.5	10.4	32.6
CH	81.9	99.3	8.3	74.2	25.8		14.0	3.7	0.8	16.7	7.4	10.2	61.2

Notes: (\*) Excluding LULUCF (Land Use, Land – Use Change and Forestry) Emissions and International Bunkers.



## GHG Emissions (\*) by Sector – 2007

SHARES %

Transport (**)	Other Sectors	Commercial / Institutional	Residential	Agriculture / Forestry / Fisheries	Other (Not elsewhere specified)	FUGITIVE EMISSIONS FROM FUELS	INDUSTRIAL PROCESSES	SOLVENT AND OTHER PRODUCT USE	AGRICULTURE	WASTE	OTHER	TOTAL EMISSIONS		
25.1	17.0	24.9	64.1	11.0	0.3	2.2	8.5	0.2	9.2	2.8		100	EU-27	
25.5	17.3	24.7	64.1	11.2	0.3	1.9	8.3	0.3	9.1	2.6		100	EU-25	
24.4	25.2	20.7	71.0	8.3	0.1	0.5	10.4	0.2	7.3	0.8		100	BE	
15.4	3.3	18.6	70.1	11.3	0.1	3.5	9.4	0.1	6.6	10.1		100	BG	
16.3	9.3	28.6	69.2	2.1	0.9	4.3	10.3	0.3	5.2	2.4		100	CZ	
27.2	12.5	12.5	55.9	31.5	0.3	0.9	3.8	0.2	15.1	2.1		100	DK	
20.1	16.9	28.0	67.5	4.5	0.2	1.4	12.1	0.3	5.4	1.2		100	DE	
14.1	2.5	24.5	64.2	11.3		2.7	4.1		6.1	3.2		100	EE	
31.2	22.9	25.5	66.8	7.7		0.1	4.7	0.1	25.6	2.8		100	IE	
22.3	12.3	11.5	66.6	21.9		1.5	6.9	0.1	8.6	2.4		100	EL	
32.9	11.1	22.0	51.0	27.0		1.2	7.9	0.4	10.5	3.2		100	ES	
36.2	25.3	29.0	61.8	9.2		1.5	7.6	0.3	18.0	1.9		100	FR	
28.6	18.2	27.7	61.7	10.6	0.2	1.6	6.6	0.4	6.7	3.3		100	IT	
29.0	4.6	24.0	59.2	16.8	0.4		9.0	0.0	7.5	6.5		100	CY	
43.9	19.1	36.9	39.7	23.5	0.0	1.2	2.6	0.5	17.0	6.9		100	LV	
39.1	11.3	28.4	55.8	15.9	0.1	1.8	22.4	0.4	17.2	5.5		100	LT	
59.2	12.5	48.6	47.4	4.0	0.1	0.4	6.1	0.1	5.5	0.4		100	LU	
23.4	24.6	29.1	62.8	8.2		3.8	6.9	0.2	12.5	5.4		100	HU	
19.7	3.4	57.1	42.9				2.3	0.1	2.3	6.6		100	MT	
21.5	21.7	28.7	45.3	26.0	0.2	1.5	7.0	0.1	8.9	2.9		100	NL	
37.2	17.0	17.9	72.8	9.4	0.1	1.4	12.8	0.5	9.0	2.5		100	AT	
12.6	16.5	16.2	65.1	18.7		4.2	8.3	0.2	8.8	2.0		100	PL	
34.8	10.1	42.4	43.4	14.2	0.1	2.8	10.5	0.4	9.3	9.4		100	PT	
13.8	13.0	34.3	61.9	3.8		10.4	14.6	0.1	12.8	4.2		100	RO	
33.3	11.7	25.1	61.3	13.6		2.8	5.9	0.2	10.0	3.3		100	SI	
19.5	11.2	18.1	79.5	2.4	3.3	2.9	12.4	0.2	6.9	4.8		100	SK	
23.3	8.2	21.6	43.6	34.8	2.1	0.3	8.5	0.1	7.1	3.1		100	FI	
44.4	9.5	19.4	40.2	40.4	0.6	2.6	10.0	0.4	12.9	2.9		100	SE	
25.0	19.2	20.3	75.2	4.5	0.7	2.5	4.4		6.8	3.6		100	UK	
30.5	15.8	18.0	60.7	21.3		9.6	12.6	0.7	10.5	2.7		100	HR	
														MK
18.1	16.5		77.1	22.9		0.6	7.0		7.1	8.5		100	TR	
49.1	28.9	2.8	1.8	95.5		6.8	34.1	0.3	11.8	5.0		100	IS	
44.7	8.8	22.5	22.9	54.6	0.6	11.0	16.7	0.3	7.8	2.4		100	NO	
39.2	37.0	30.4	66.0	3.6	1.4	0.7	6.0	0.5	10.4	1.3		100	CH	

**Notes:** (\*) Excluding LULUCF (Land Use, Land – Use Change and Forestry) Emissions and International Bunkers; (\*\*) Excluding international bunkers (international traffic departing from the EU).

## GHG Emissions (\*) from Transport

### MILLION TONNES CO<sub>2</sub> EQUIVALENT

	1990	1995	2000	2005	2006	2007
<b>EU-27</b>	955.9	1 031.6	1 164.8	1 265.0	1 287.1	1 297.6
<b>EU-25</b>	934.4	1 014.3	1 148.5	1 243.6	1 264.7	1 275.1
BE	37.7	39.2	46.5	56.5	58.5	61.8
BG	12.8	8.4	6.4	9.0	9.5	9.0
CZ	8.1	10.2	13.2	19.1	19.5	20.4
DK	15.6	19.1	19.0	18.5	19.7	20.5
DE	184.1	199.2	209.1	192.4	189.7	188.9
EE	4.1	2.0	2.1	2.8	3.3	3.5
IE	6.3	7.8	13.1	15.9	17.0	17.8
EL	25.4	30.9	33.6	33.7	35.7	36.8
ES	72.6	83.4	114.6	140.5	145.1	149.9
FR	135.4	146.5	160.7	164.0	164.0	163.6
IT	111.9	124.0	135.3	144.0	146.6	147.5
CY	1.7	2.2	2.8	3.7	3.7	3.7
LV	4.7	2.7	2.3	4.2	4.3	4.7
LT	6.5	3.7	3.6	4.8	5.0	5.7
LU	3.2	4.1	5.8	8.5	8.2	8.0
HU	9.0	7.7	9.6	12.9	13.4	13.6
MT	0.3	0.4	0.5	2.7	3.0	3.3
NL	65.5	72.9	85.5	100.4	103.4	98.4
AT	14.9	17.3	20.8	27.3	26.0	26.4
PL	27.3	30.8	35.2	38.5	40.8	40.9
PT	13.0	16.2	23.0	23.7	24.0	23.8
RO	8.7	8.9	9.9	12.4	12.9	13.5
SI	2.8	3.8	3.9	4.6	5.0	5.7
SK	5.2	4.5	4.4	6.5	6.1	6.9
FI	15.7	14.1	16.3	17.1	17.6	17.9
SE	22.2	23.9	26.1	29.7	30.0	30.6
UK	141.2	147.7	161.5	171.8	174.9	174.9
HR	4.5	3.7	4.8	6.0	6.4	6.9
MK						
TR	26.3	33.3	35.5	41.3	44.4	51.8
IS	0.9	1.0	1.3	1.4	1.6	1.7
NO	19.6	21.1	26.1	28.7	31.1	31.8
CH	17.9	18.1	20.7	19.5	19.7	20.3

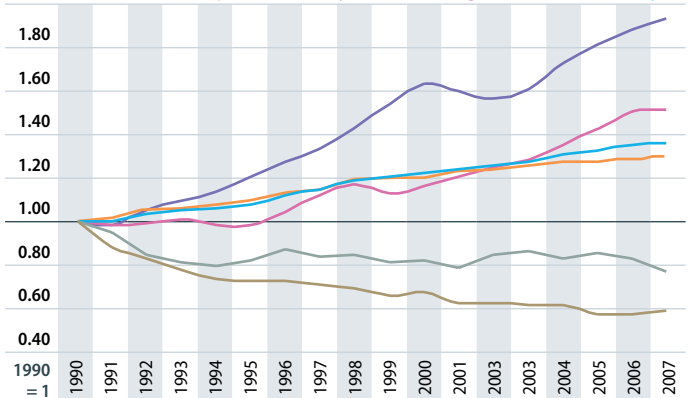
**Notes:** (\*) Including international bunkers, excluding LULUCF (Land Use, Land – Use Change and Forestry) emissions.

## GHG Emissions from Transport – EU-27 BY MODE (MILLION TONNES CO<sub>2</sub> EQUIVALENT)

### INCLUDING INTERNATIONAL BUNKERS

	TOTAL CIVIL AVIATION	Civil Aviation (domestic) (*)	International Bunkers – Aviation	ROAD TRANSPORTATION	RAILWAYS (***)	TOTAL NAVIGATION	Navigation (domestic) (*)	International Bunkers – Maritime Transport	OTHER TRANSPORTATION (****)	TOTAL TRANSPORT	TOTAL EMISSIONS (**)
1990	83.5	17.3	66.2	715.3	14.7	130.9	20.9	110.0	11.6	955.9	5740.2
1991	81.9	16.3	65.6	723.2	12.9	129.0	21.2	107.8	11.0	957.9	5637.6
1992	87.5	16.5	71.0	748.9	12.2	129.8	20.7	109.1	9.8	988.2	5456.2
1993	91.3	16.0	75.3	758.9	11.3	132.4	20.7	111.7	9.4	1003.4	5372.8
1994	95.1	15.7	79.5	766.6	10.7	129.0	20.4	108.6	9.2	1010.6	5347.0
1995	100.7	16.8	83.9	781.9	10.6	128.9	19.1	109.8	9.5	1031.6	5406.3
1996	106.5	18.1	88.4	804.1	10.6	136.6	19.7	116.9	10.1	1067.9	5523.4
1997	111.4	19.0	92.5	814.4	10.3	147.0	19.6	127.4	9.7	1092.8	5433.9
1998	119.5	19.9	99.6	840.9	10.1	153.7	20.4	133.3	9.7	1133.9	5392.8
1999	128.5	21.2	107.3	857.3	9.6	147.2	20.3	126.9	9.4	1152.0	5283.5
2000	136.0	21.9	114.0	858.0	9.8	151.5	18.5	133.0	9.5	1164.8	5300.6
2001	133.7	21.0	112.6	873.2	9.1	157.2	18.7	138.5	9.1	1182.2	5360.2
2002	130.7	20.1	110.6	886.5	9.1	163.7	18.3	145.4	9.8	1199.7	5321.6
2003	134.4	19.9	114.5	894.6	9.0	168.0	20.3	147.7	10.0	1216.1	5412.4
2004	143.9	20.6	123.3	913.0	9.0	177.0	20.5	156.5	9.6	1252.5	5433.0
2005	151.2	21.8	129.4	910.5	8.4	185.1	21.2	163.9	9.9	1265.0	5404.2
2006	157.1	22.1	135.1	915.0	8.3	197.0	22.6	174.5	9.6	1287.1	5414.7
2007	161.2	22.4	138.8	920.4	8.7	198.3	22.1	176.2	8.9	1297.6	5360.4

Total Civil Aviation - Road Transportation - Railways (\*\*\*) - Total Navigation - Other - Total Transport

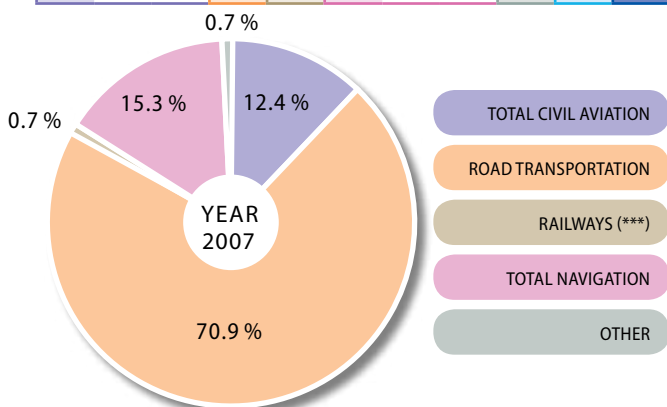


**Notes:** (\*) Excluding international bunkers (international traffic departing from the EU); (\*\*) Including International Bunkers but excluding LULUCF; (\*\*\*) Excluding indirect emissions from electricity consumption; (\*\*\*\*) Combustion emissions from all remaining transport activities including pipeline transportation, ground activities in airports and harbours, and off-road activities.

## GHG Emissions from Transport – EU-27 BY MODE (SHARES %)

### INCLUDING INTERNATIONAL BUNKERS

	TOTAL CIVIL AVIATION	Civil Aviation (domestic) (*)	International Bunkers – Aviation	ROAD TRANSPORTATION	RAILWAYS (***)	TOTAL NAVIGATION	Navigation (domestic) (*)	International Bunkers – Maritime Transport	OTHER TRANSPORT (****)	TOTAL TRANSPORT (*****)	TOTAL EMISSIONS (**)
1990	8.7	20.7	79.3	74.8	1.5	13.7	16.0	84.0	1.2	16.7	100
1991	8.5	19.9	80.1	75.5	1.3	13.5	16.4	83.6	1.1	17.0	100
1992	8.9	18.9	81.1	75.8	1.2	13.1	15.9	84.1	1.0	18.1	100
1993	9.1	17.6	82.4	75.6	1.1	13.2	15.6	84.4	0.9	18.7	100
1994	9.4	16.5	83.5	75.9	1.1	12.8	15.8	84.2	0.9	18.9	100
1995	9.8	16.7	83.3	75.8	1.0	12.5	14.8	85.2	0.9	19.1	100
1996	10.0	17.0	83.0	75.3	1.0	12.8	14.4	85.6	0.9	19.3	100
1997	10.2	17.0	83.0	74.5	0.9	13.4	13.3	86.7	0.9	20.1	100
1998	10.5	16.6	83.4	74.2	0.9	13.6	13.3	86.7	0.9	21.0	100
1999	11.2	16.5	83.5	74.4	0.8	12.8	13.8	86.2	0.8	21.8	100
2000	11.7	16.1	83.9	73.7	0.8	13.0	12.2	87.8	0.8	22.0	100
2001	11.3	15.7	84.3	73.9	0.8	13.3	11.9	88.1	0.8	22.1	100
2002	10.9	15.4	84.6	73.9	0.8	13.6	11.2	88.8	0.8	22.5	100
2003	11.1	14.8	85.2	73.6	0.7	13.8	12.1	87.9	0.8	22.5	100
2004	11.5	14.3	85.7	72.9	0.7	14.1	11.6	88.4	0.8	23.1	100
2005	12.0	14.4	85.6	72.0	0.7	14.6	11.5	88.5	0.8	23.4	100
2006	12.2	14.0	86.0	71.1	0.6	15.3	11.5	88.5	0.7	23.8	100
2007	12.4	13.9	86.1	70.9	0.7	15.3	11.1	88.9	0.7	24.2	100



**Notes:** (\*) Excluding international bunkers (international traffic departing from the EU); (\*\*) Including International Bunkers but excluding LULUCF; (\*\*\*) Excluding indirect emissions from electricity consumption; (\*\*\*\*) Combustion emissions from all remaining transport activities including pipeline transportation, ground activities in airports and harbours, and off-road activities; (\*\*\*\*\*) Total Transport's share in Total Emissions.

## GHG Emissions from Transport – 2007 BY MODE (MILLION TONNES CO<sub>2</sub> EQUIVALENT)

### INCLUDING INTERNATIONAL BUNKERS

	TOTAL CIVIL AVIATION	Civil Aviation (domestic) (*)	International Bunkers – Aviation	ROAD TRANSPORTATION	RAILWAYS	TOTAL NAVIGATION	Navigation (domestic) (*)	International Bunkers – Maritime Transport	OTHER TRANSPORTATION	TOTAL TRANSPORT	TOTAL EMISSIONS (**)
EU-27	161.2	22.4	138.8	920.4	8.7	198.3	22.1	176.2	8.9	1 297.6	5 360.4
EU-25	160.1	22.3	137.9	900.9	8.0	197.9	22.0	175.9	8.2	1 275.1	5 131.0
BE	3.8	0.0	3.8	25.2	0.2	32.6	0.5	32.1	0.1	61.8	167.2
BG	0.7	0.1	0.5	7.4	0.1	0.2		0.2	0.7	9.0	76.5
CZ	1.2	0.0	1.1	18.8	0.3	0.0	0.0		0.1	20.4	152.0
DK	2.8	0.1	2.7	13.3	0.2	4.1	0.5	3.6		20.5	73.0
DE	28.0	2.4	25.7	145.3	1.3	10.6	0.5	10.0	3.7	188.9	991.8
EE	0.2	0.0	0.1	2.3	0.1	0.8	0.1	0.8	0.1	3.5	22.9
IE	3.2	0.1	3.0	14.0	0.1	0.4	0.0	0.4	0.1	17.8	72.6
EL	4.3	1.4	3.0	20.1	0.1	12.2	2.1	10.1	0.0	36.8	144.9
ES	18.2	7.7	10.5	100.9	0.3	30.4	3.3	27.1	0.2	149.9	479.9
FR	21.9	4.6	17.3	128.1	0.6	12.4	3.0	9.4	0.6	163.6	557.8
IT	13.0	2.5	10.5	120.6	0.4	12.9	5.0	7.8	0.8	147.5	571.1
CY	0.9		0.9	2.3		0.6		0.6		3.7	11.6
LV	0.3	0.0	0.2	3.5	0.3	0.6	0.0	0.6		4.7	12.9
LT	0.2	0.0	0.2	4.9	0.2	0.4	0.0	0.3		5.7	25.3
LU	1.3	0.0	1.3	6.7	0.0	0.0	0.0	0.0		8.0	14.3
HU	0.8		0.8	12.6	0.2	0.0	0.0			13.6	76.7
MT	0.0	0.0	0.0	0.5		2.7	0.0	2.7		3.3	5.8
NL	11.2	0.0	11.1	34.9	0.1	52.1	0.6	51.5		98.4	270.2
AT	2.3	0.1	2.2	23.5	0.2	0.1	0.1		0.4	26.4	90.2
PL	1.4	0.1	1.3	37.5	0.5	0.8	0.0	0.8	0.7	40.9	401.0
PT	2.9	0.4	2.5	18.8	0.1	2.0	0.2	1.8		23.8	86.1
RO	0.5	0.1	0.4	12.1	0.6	0.3	0.1	0.2	0.0	13.5	152.9
SI	0.1	0.0	0.1	5.4	0.0	0.2		0.2		5.7	21.0
SK	0.1	0.0	0.1	6.6	0.1	0.0		0.0	0.0	6.9	47.1
FI	2.0	0.3	1.7	13.0	0.1	2.1	0.6	1.5	0.7	17.9	81.5
SE	2.8	0.6	2.2	19.5	0.1	8.0	0.5	7.5	0.2	30.6	75.2
UK	37.3	2.0	35.3	122.6	2.5	11.9	5.0	7.0	0.5	174.9	679.0
HR	0.3	0.1	0.2	6.3	0.1	0.2	0.1	0.1		6.9	32.7
MK											
TR	6.1	6.1		43.6	0.4	1.6	1.6			51.8	372.6
IS	0.5	0.0	0.5	0.9		0.3	0.1	0.2		1.7	5.3
NO	14.8	0.9	13.8	10.3	0.0	4.7	2.7	2.0	2.0	31.8	70.9
CH	4.1	0.1	4.0	15.9	0.0	0.1	0.1		0.1	20.3	55.2

Notes: (\*) Excluding international bunkers (international traffic departing from the EU).  
(\*\*) Including International Bunkers but excluding LULUCF.

## GHG Emissions from Transport – 2007

### BY MODE (SHARES %)

#### INCLUDING INTERNATIONAL BUNKERS

	TOTAL CIVIL AVIATION	Civil Aviation (domestic) (*)	International Bunkers – Aviation	ROAD TRANSPORTATION	RAILWAYS	TOTAL NAVIGATION	Navigation (domestic) (*)	International Bunkers – Maritime Transport	OTHER TRANSPORTATION	TOTAL TRANSPORT (***)	TOTAL EMISSIONS (**)
EU-27	12.4	13.9	86.1	70.9	0.7	15.3	11.1	88.9	0.7	24.2	100
EU-25	12.6	13.9	86.1	70.7	0.6	15.5	11.1	88.9	0.6	24.9	100
BE	6.2	0.2	99.8	40.7	0.2	52.7	1.5	98.5	0.2	37.0	100
BG	7.4	20.2	79.8	82.2	0.9	1.9		100.0	7.7	11.7	100
CZ	5.8	2.9	97.1	92.3	1.5	0.1	100.0		0.4	13.4	100
DK	13.8	3.8	96.2	65.1	1.1	20.0	11.3	88.7		28.1	100
DE	14.8	8.4	91.6	77.0	0.7	5.6	5.1	94.9	1.9	19.0	100
EE	4.3	0.8	99.2	65.0	3.2	23.5	6.5	93.5	4.1	15.5	100
IE	17.8	3.9	96.1	78.6	0.8	2.0	1.3	98.7	0.7	24.5	100
EL	11.7	31.6	68.4	54.6	0.4	33.3	17.4	82.6	0.0	25.4	100
ES	12.1	42.1	57.9	67.3	0.2	20.3	10.8	89.2	0.1	31.2	100
FR	13.4	21.0	79.0	78.3	0.4	7.6	24.4	75.6	0.3	29.3	100
IT	8.8	18.9	81.1	81.7	0.2	8.7	39.1	60.9	0.5	25.8	100
CY	23.7		100.0	60.3		16.0		100.0		32.3	100
LV	5.4	0.8	99.2	76.0	5.8	12.8	1.0	99.0		36.1	100
LT	3.7	2.1	97.9	86.1	4.1	6.1	5.2	94.8		22.6	100
LU	16.7	0.0	100.0	83.3	0.0	0.0	79.0	21.0		56.3	100
HU	5.5		100.0	93.0	1.4	0.0	100.0			17.7	100
MT	1.5	1.0	99.0	15.6		82.9	0.7	99.3		56.6	100
NL	11.4	0.4	99.6	35.5	0.1	53.0	1.2	98.8		36.4	100
AT	8.6	3.3	96.7	88.8	0.6	0.3	100.0		1.7	29.3	100
PL	3.4	5.9	94.1	91.7	1.3	2.0	1.4	98.6	1.6	10.2	100
PT	12.3	13.5	86.5	79.1	0.3	8.3	10.7	89.3		27.6	100
RO	3.5	11.4	88.6	89.7	4.2	2.3	29.2	70.8	0.3	8.8	100
SI	1.8	1.7	98.3	94.4	0.7	3.1		100.0		27.0	100
SK	1.9	10.5	89.5	95.7	1.8	0.5		100.0	0.0	14.6	100
FI	11.1	15.6	84.4	72.5	0.6	11.7	28.3	71.7	4.1	22.0	100
SE	9.3	21.7	78.3	63.8	0.2	26.1	5.7	94.3	0.5	40.7	100
UK	21.3	5.4	94.6	70.1	1.4	6.8	41.6	58.4	0.3	25.8	100
HR	4.7	23.8	76.2	91.2	1.5	2.7	58.7	41.3		21.1	100
MK											
TR	11.8	100.0		84.3	0.8	3.1	100.0			13.9	100
IS	30.9	4.1	95.9	53.6		15.5	22.5	77.5		33.1	100
NO	46.4	6.2	93.8	32.5	0.2	14.8	56.5	43.5	6.2	44.8	100
CH	20.2	3.4	96.6	78.5	0.2	0.6	100.0		0.6	36.8	100

Notes: (\*) Excluding international bunkers (international traffic departing from the EU).  
 (\*\*) Including International Bunkers but excluding LULUCF;  
 (\*\*\*) Total Transport's share in Total Emissions.

## GHG Emissions (\*) Intensity (tCO<sub>2</sub> EQUIVALENT/toe)

	1990	1995	2000	2005	2006	2007
<b>EU-27</b>	3.45	3.25	3.07	2.96	2.97	2.97
<b>EU-25</b>	3.42	3.22	3.05	2.93	2.94	2.94
BE	3.30	3.02	2.71	2.81	2.80	2.91
BG	4.27	3.86	3.74	3.60	3.54	3.76
CZ	3.99	3.70	3.65	3.25	3.24	3.29
DK	4.13	4.11	3.82	3.50	3.69	3.56
DE	3.45	3.25	3.02	2.88	2.90	2.92
EE	4.20	3.85	3.75	3.63	3.68	3.78
IE	5.52	5.59	4.96	4.83	4.70	4.57
EL	5.20	5.13	5.00	4.57	4.47	4.33
ES	3.38	3.26	3.34	3.29	3.26	3.27
FR	2.55	2.38	2.24	2.09	2.07	2.06
IT	3.42	3.34	3.25	3.15	3.12	3.11
CY	4.22	4.00	4.53	4.62	4.42	4.26
LV	3.59	2.84	2.73	2.73	2.71	2.71
LT	3.10	2.58	2.77	2.69	2.78	2.76
LU	3.80	3.28	3.01	3.12	3.09	3.06
HU	3.48	3.10	3.14	2.89	2.86	2.84
MT	3.50	3.12	3.20	5.40	6.03	6.11
NL	3.69	3.59	3.47	3.36	3.43	3.20
AT	3.16	3.02	2.84	2.76	2.69	2.67
PL	4.61	4.48	4.31	4.15	4.09	4.09
PT	3.55	3.57	3.40	3.44	3.50	3.32
RO	3.83	3.85	3.66	3.82	3.79	3.82
SI	3.38	3.07	2.95	2.80	2.83	2.86
SK	3.50	2.97	2.76	2.60	2.61	2.61
FI	2.54	2.52	2.23	2.07	2.20	2.17
SE	1.60	1.56	1.57	1.47	1.51	1.49
UK	3.76	3.38	3.06	2.98	3.01	3.07
HR	7.09	3.26	3.34	3.44	3.47	3.50
MK						
TR	3.25	3.55	3.61	3.66	3.51	3.67
IS	1.72	1.53	1.35	1.17	1.12	
NO	2.68	2.46	2.53	2.11	2.78	2.56
CH	2.26	2.22	2.18	2.13	2.02	2.05

**Notes:** (\*) Including international bunkers and LULUCF (Land Use, Land – Use Change and Forestry) emissions.

## GHG Emissions (\*) per Capita kg CO<sub>2</sub> EQUIVALENT

	1990	1995	2000	2005	2006	2007
<b>EU-27</b>	11 678	11 294	10 974	10 986	10 963	10 806
<b>EU-25</b>	12 202	11 472	11 261	11 203	11 165	10 991
BE	16 089	16 376	16 268	16 400	16 037	15 739
BG	13 701	10 707	8 553	9 309	9 451	9 935
CZ	18 852	14 876	14 391	14 396	14 632	14 721
DK	14 390	15 927	13 960	12 690	14 191	13 370
DE	15 558	13 545	12 591	12 133	12 300	12 056
EE	26 851	14 634	13 680	14 961	14 834	17 095
IE	16 120	16 861	18 746	17 613	17 153	16 661
EL	11 435	11 678	12 927	12 915	12 636	12 947
ES	7 775	8 521	10 268	10 971	10 655	10 695
FR	9 958	9 659	9 557	9 207	8 980	8 774
IT	9 255	9 491	9 867	10 065	9 847	9 619
CY	11 053	12 146	15 593	15 055	14 912	14 818
LV	10 686	5 288	4 308	5 329	5 476	5 678
LT	13 468	6 168	5 590	6 776	6 906	7 488
LU	35 411	26 783	24 994	31 645	30 792	29 695
HU	9 611	7 783	7 705	8 038	7 898	7 627
MT	5 653	6 665	6 627	12 611	13 330	14 114
NL	16 793	17 320	16 770	17 001	16 884	16 496
AT	10 411	10 298	10 334	11 516	11 300	10 842
PL	12 208	11 708	10 221	10 183	10 529	10 520
PT	6 224	7 285	8 347	8 819	8 387	8 117
RO	10 520	7 995	6 060	6 928	7 151	7 097
SI	9 334	9 440	9 542	10 217	10 334	10 401
SK	13 848	9 827	8 975	9 182	9 103	8 729
FI	14 791	14 333	14 051	13 665	15 804	15 417
SE	8 827	8 905	8 449	8 406	8 386	8 217
UK	13 867	12 741	12 056	11 526	11 401	11 170
HR	6 657	5 055	5 898	6 918	6 993	7 368
MK						
TR	3 028	3 574	4 152	4 335	4 559	5 279
IS	14 606	13 298	15 514	14 262	16 060	16 970
NO	13 670	13 413	14 720	14 704	14 923	15 072
CH	8 211	7 798	7 866	7 713	7 625	7 355

Notes: (\*) Including international bunkers, excluding LULUCF (Land Use, Land – Use Change and Forestry) emissions.



## Total CO<sub>2</sub> Emissions (\*)

### MILLION TONNES

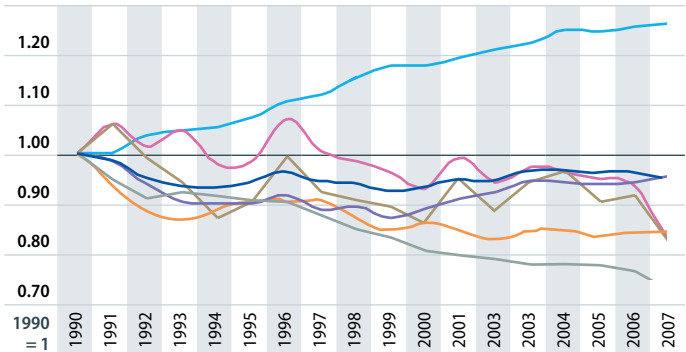
	1990	1995	2000	2005	2006	2007
<b>EU-27</b>	<b>4 399.5</b>	<b>4 150.2</b>	<b>4 105.8</b>	<b>4 231.5</b>	<b>4 243.1</b>	<b>4 186.7</b>
<b>EU-25</b>	<b>4 141.1</b>	<b>3 954.3</b>	<b>3 960.0</b>	<b>4 071.6</b>	<b>4 076.8</b>	<b>4 016.9</b>
BE	118.6	123.3	123.7	123.4	119.1	114.5
BG	86.3	66.4	50.5	54.0	55.1	58.9
CZ	164.3	131.4	127.1	126.4	128.6	129.9
DK	52.8	60.6	52.9	50.2	58.1	53.2
DE	1 035.6	922.7	883.7	851.7	867.0	841.2
EE	37.3	18.2	15.6	16.8	16.3	19.1
IE	32.4	35.3	44.7	47.6	47.2	47.5
EL	83.2	86.8	103.4	111.0	109.6	113.6
ES	228.4	255.3	307.7	368.0	358.4	366.4
FR	395.8	393.2	406.4	416.7	407.0	397.1
IT	434.7	445.4	462.7	490.1	485.8	475.3
CY	4.2	5.4	7.7	8.0	8.2	8.3
LV	19.2	9.1	7.1	7.8	8.3	8.6
LT	36.1	15.1	12.0	14.4	14.6	15.9
LU	12.1	9.4	8.9	12.3	12.2	11.8
HU	72.5	61.5	58.5	61.1	59.8	57.8
MT	1.8	2.3	2.3	2.7	2.6	2.7
NL	159.3	170.7	169.6	175.8	172.5	172.7
AT	62.1	64.0	66.0	79.0	77.6	74.2
PL	368.7	366.2	320.6	318.2	329.6	328.3
PT	43.6	53.2	63.8	69.7	65.2	62.8
RO	172.1	129.6	95.3	105.9	111.1	110.9
SI	14.7	15.0	15.2	16.7	16.9	17.0
SK	62.0	44.0	40.3	40.7	40.0	38.1
FI	56.6	57.9	56.7	56.3	67.7	66.1
SE	56.3	58.0	53.4	52.9	52.7	51.6
UK	588.8	550.5	550.0	554.0	551.8	543.2
HR	23.1	16.9	20.0	23.4	23.5	24.9
MK						
TR	139.6	171.9	223.8	256.4	273.7	304.5
IS	2.2	2.3	2.8	2.9	3.0	3.4
NO	34.8	37.8	41.6	42.9	43.3	45.0
CH	44.5	43.3	43.9	46.0	45.6	43.6

**Notes:** (\*) Excluding international bunkers and LULUCF (Land Use, Land – Use Change and Forestry) emissions;  
Emissions data is downloaded from European Environment Agency (EEA), which is the main provider for EU-wide greenhouse gas emissions data. EEA prepares and maintains the complete EU greenhouse gas emissions inventory, which is based on data reported by Member States through the EU greenhouse gas monitoring mechanism and the UNFCCC process.

## CO<sub>2</sub> Emissions (\*) by Sector – EU-27 MILLION TONNES

	TOTAL ENERGY	FUEL COMBUSTION	Energy Industries	Public Electricity and Heat Production	Petroleum Refining	Other Energy Industries	Manufacturing and Construction	Iron and Steel	Non-Ferrous Metals	Chemicals	Pulp, Paper and Print	Food, Beverages and Tobacco	Other
1990	4082.9	4063.2	1671.6	1451.3	115.1	105.2	810.5	154.1	16.9	85.0	28.5	42.4	483.6
1991	4055.9	4036.1	1647.6	1435.3	112.6	99.7	766.7	145.3	15.3	85.1	30.8	43.5	446.7
1992	3916.3	3896.4	1570.6	1366.7	114.5	89.4	723.8	138.9	14.2	83.8	29.1	43.1	414.7
1993	3864.1	3843.5	1509.3	1303.4	117.4	88.6	716.2	135.5	12.9	82.6	29.2	45.3	410.8
1994	3824.1	3802.8	1507.8	1297.5	119.9	90.4	719.1	145.3	13.7	82.6	31.5	46.0	399.9
1995	3859.7	3837.8	1505.6	1292.1	125.6	87.9	735.4	145.4	13.9	92.5	32.5	48.9	402.3
1996	3972.0	3949.8	1533.2	1321.2	128.5	83.5	734.4	140.8	14.0	87.9	32.4	50.2	409.1
1997	3874.6	3853.5	1481.6	1270.2	131.6	79.8	728.3	142.8	13.9	88.2	33.5	48.9	401.0
1998	3868.6	3848.4	1496.5	1289.5	133.1	73.9	697.2	135.3	14.0	85.2	33.2	48.5	381.0
1999	3811.4	3792.7	1455.4	1256.5	127.3	71.6	680.9	127.8	13.8	80.3	31.1	47.9	380.0
2000	3820.9	3802.2	1486.6	1286.5	129.7	70.3	684.6	130.0	14.0	81.1	32.0	46.4	381.0
2001	3908.3	3889.5	1519.8	1320.8	130.8	68.3	676.9	123.9	14.8	79.6	30.2	47.4	381.1
2002	3880.8	3861.9	1541.2	1340.9	131.8	68.5	653.4	116.4	14.8	76.3	30.4	46.4	369.0
2003	3970.1	3951.2	1583.1	1382.7	131.4	69.0	667.9	125.5	14.2	84.7	33.3	50.1	360.2
2004	3972.0	3953.4	1574.2	1369.3	135.4	69.6	658.7	125.1	13.9	84.2	31.9	48.5	355.2
2005	3935.2	3916.3	1569.9	1362.5	138.0	69.3	645.7	113.8	13.7	87.7	31.3	46.4	352.8
2006	3938.4	3919.5	1578.1	1377.5	133.9	66.8	644.8	121.2	14.5	82.0	30.7	44.1	352.3
2007	3873.6	3854.7	1597.4	1392.5	134.6	70.4	634.5	115.6	14.6	82.3	30.3	43.8	347.8

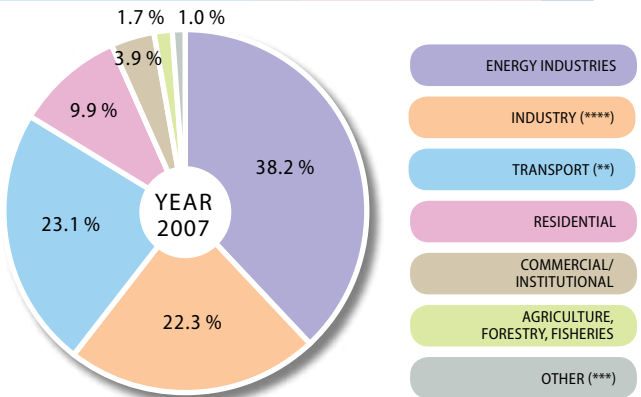
Energy Industries - Industry (\*\*\*\*) - Transport (\*\*)  
Residential - Commercial/Institutional - Other (\*\*\*\*\*) - Total



**Notes:** (\*) Excluding LULUCF (Land Use, Land – Use Change and Forestry) Emissions and International Bunkers; (\*\*) Excluding international bunkers (international traffic departing from the EU); (\*\*\*\*) Emissions from Manufacturing and Construction and Industrial Processes; (\*\*\*\*\*) Emissions from Fuel Combustion in Agriculture/Forestry/Fisheries, Other (Not elsewhere specified), Fugitive Emissions from Fuels, Solvent and Other Product Use, Agriculture, Waste, Other.

## CO<sub>2</sub> Emissions (\*) by Sector – EU-27 MILLION TONNES

Transport (**)	Other Sectors				Other (Not elsewhere specified)	FUGITIVE EMISSIONS FROM FUELS	INDUSTRIAL PROCESSES	SOLVENT AND OTHER PRODUCT USE	AGRICULTURE	WASTE	OTHER	TOTAL EMISSIONS	
	Commercial / Institutional	Residential	Agriculture / Forestry / Fisheries										
767.5	787.9	199.4	499.2	89.3	25.7	19.8	300.0	11.4		5.2		4399.5	1990
772.2	828.3	212.1	529.5	86.7	21.3	19.8	270.1	11.1		5.5		4342.6	1991
795.3	788.5	198.6	505.9	83.9	18.3	19.9	258.4	10.5		5.6		4190.7	1992
803.0	797.4	188.8	522.7	86.0	17.5	20.6	246.9	10.1		5.4		4126.4	1993
808.3	750.7	175.0	490.0	85.7	17.0	21.3	264.4	9.4		5.2		4103.1	1994
822.3	759.3	181.0	492.3	86.0	15.2	21.9	276.1	9.4		4.9		4150.2	1995
846.9	821.4	199.6	534.5	87.2	13.9	22.2	264.8	9.4		4.8		4251.0	1996
856.9	773.3	184.8	503.9	84.6	13.4	21.1	274.2	9.6		4.2		4162.6	1997
884.2	757.4	181.7	493.9	81.8	13.0	20.2	269.5	9.7		4.1		4151.9	1998
900.8	743.2	179.2	482.1	81.8	12.3	18.7	259.6	9.4		3.8		4084.3	1999
900.9	718.8	172.5	467.5	78.8	11.5	18.7	271.7	9.3		3.8		4105.8	2000
914.2	768.4	189.9	499.1	79.4	10.2	18.8	263.3	9.0		3.8		4184.4	2001
926.9	730.3	177.5	474.6	78.3	10.1	18.9	264.7	8.9		3.7		4158.1	2002
937.0	753.2	188.9	487.1	77.2	10.0	19.0	269.8	8.7		3.7		4252.3	2003
955.9	753.9	193.5	483.9	76.6	10.6	18.7	280.0	8.8		3.5		4264.4	2004
955.3	734.9	181.0	477.8	76.1	10.5	18.8	283.7	8.8		3.8		4231.5	2005
961.1	725.9	183.7	467.5	74.8	9.6	19.0	291.9	8.6		4.2		4243.1	2006
966.0	646.8	164.0	413.1	69.8	9.9	18.8	300.9	8.6		3.6		4186.7	2007



**Notes:** (\*) Excluding LULUCF (Land Use, Land – Use Change and Forestry) Emissions and International Bunkers; (\*\*) Excluding international bunkers (international traffic departing from the EU); (\*\*\*) Emissions from Fuel Combustion in Other (Not elsewhere specified), Fugitive Emissions from Fuels, Solvent and Other Product Use, Waste, Other; (\*\*\*\*) Emissions from Manufacturing and Construction and Industrial Processes.

## CO<sub>2</sub> Emissions (\*) by Sector – EU-27

### SHARES %

	TOTAL ENERGY	FUEL COMBUSTION	Energy Industries	Public Electricity and Heat Production	Petroleum Refining	Other Energy Industries	Manufacturing and Construction	Iron and Steel	Non-Ferrous Metals	Chemicals	Pulp, Paper and Print	Food, Beverages and Tobacco	Other
1990	92.8	99.5	41.1	86.8	6.9	6.3	19.9	19.0	2.1	10.5	3.5	5.2	59.7
1991	93.4	99.5	40.8	87.1	6.8	6.1	19.0	18.9	2.0	11.1	4.0	5.7	58.3
1992	93.5	99.5	40.3	87.0	7.3	5.7	18.6	19.2	2.0	11.6	4.0	6.0	57.3
1993	93.6	99.5	39.3	86.4	7.8	5.9	18.6	18.9	1.8	11.5	4.1	6.3	57.3
1994	93.2	99.4	39.7	86.1	7.9	6.0	18.9	20.2	1.9	11.5	4.4	6.4	55.6
1995	93.0	99.4	39.2	85.8	8.3	5.8	19.2	19.8	1.9	12.6	4.4	6.7	54.7
1996	93.4	99.4	38.8	86.2	8.4	5.4	18.6	19.2	1.9	12.0	4.4	6.8	55.7
1997	93.1	99.5	38.4	85.7	8.9	5.4	18.9	19.6	1.9	12.1	4.6	6.7	55.1
1998	93.2	99.5	38.9	86.2	8.9	4.9	18.1	19.4	2.0	12.2	4.8	7.0	54.6
1999	93.3	99.5	38.4	86.3	8.7	4.9	18.0	18.8	2.0	11.8	4.6	7.0	55.8
2000	93.1	99.5	39.1	86.5	8.7	4.7	18.0	19.0	2.1	11.8	4.7	6.8	55.7
2001	93.4	99.5	39.1	86.9	8.6	4.5	17.4	18.3	2.2	11.8	4.5	7.0	56.3
2002	93.3	99.5	39.9	87.0	8.6	4.4	16.9	17.8	2.3	11.7	4.7	7.1	56.5
2003	93.4	99.5	40.1	87.3	8.3	4.4	16.9	18.8	2.1	12.7	5.0	7.5	53.9
2004	93.1	99.5	39.8	87.0	8.6	4.4	16.7	19.0	2.1	12.8	4.8	7.4	53.9
2005	93.0	99.5	40.1	86.8	8.8	4.4	16.5	17.6	2.1	13.6	4.8	7.2	54.6
2006	92.8	99.5	40.3	87.3	8.5	4.2	16.4	18.8	2.2	12.7	4.8	6.8	54.6
2007	92.5	99.5	41.4	87.2	8.4	4.4	16.5	18.2	2.3	13.0	4.8	6.9	54.8

**Notes:** (\*) Excluding LULUCF (Land Use, Land – Use Change and Forestry) Emissions and International Bunkers.

Indirect emissions from electricity use are not included in the CO<sub>2</sub> emissions from fuel combustion by manufacturing and construction, transport and other sectors (Commercial/Institutional, Residential and Agriculture/Forestry/Fisheries).

## CO<sub>2</sub> Emissions (\*) by Sector – EU-27 SHARES %

Transport (**)	Other Sectors	Commercial / Institutional	Residential	Agriculture / Forestry / Fisheries	Other (Not elsewhere specified)	FUGITIVE EMISSIONS FROM FUELS	INDUSTRIAL PROCESSES	SOLVENT AND OTHER PRODUCT USE	AGRICULTURE	WASTE	OTHER	TOTAL EMISSIONS	
18.9	19.4	25.3	63.4	11.3	0.6	0.5	6.8	0.3		0.1		100	1990
19.1	20.5	25.6	63.9	10.5	0.5	0.5	6.2	0.3		0.1		100	1991
20.4	20.2	25.2	64.2	10.6	0.5	0.5	6.2	0.2		0.1		100	1992
20.9	20.7	23.7	65.5	10.8	0.5	0.5	6.0	0.2		0.1		100	1993
21.3	19.7	23.3	65.3	11.4	0.4	0.6	6.4	0.2		0.1		100	1994
21.4	19.8	23.8	64.8	11.3	0.4	0.6	6.7	0.2		0.1		100	1995
21.4	20.8	24.3	65.1	10.6	0.4	0.6	6.2	0.2		0.1		100	1996
22.2	20.1	23.9	65.2	10.9	0.3	0.5	6.6	0.2		0.1		100	1997
23.0	19.7	24.0	65.2	10.8	0.3	0.5	6.5	0.2		0.1		100	1998
23.8	19.6	24.1	64.9	11.0	0.3	0.5	6.4	0.2		0.1		100	1999
23.7	18.9	24.0	65.0	11.0	0.3	0.5	6.6	0.2		0.1		100	2000
23.5	19.8	24.7	65.0	10.3	0.3	0.5	6.3	0.2		0.1		100	2001
24.0	18.9	24.3	65.0	10.7	0.3	0.5	6.4	0.2		0.1		100	2002
23.7	19.1	25.1	64.7	10.3	0.3	0.5	6.3	0.2		0.1		100	2003
24.2	19.1	25.7	64.2	10.2	0.3	0.5	6.6	0.2		0.1		100	2004
24.4	18.8	24.6	65.0	10.4	0.3	0.5	6.7	0.2		0.1		100	2005
24.5	18.5	25.3	64.4	10.3	0.2	0.5	6.9	0.2		0.1		100	2006
25.1	16.8	25.3	63.9	10.8	0.3	0.5	7.2	0.2		0.1		100	2007

**Notes:** (\*) Excluding LULUCF (Land Use, Land – Use Change and Forestry) Emissions and International Bunkers; (\*\*) Excluding international bunkers (international traffic departing from the EU).  
Indirect emissions from electricity use are not included in the CO<sub>2</sub> emissions from fuel combustion by manufacturing and construction, transport and other sectors (Commercial/Institutional, Residential and Agriculture/Forestry/Fisheries).

## CO<sub>2</sub> Emissions (\*) by Sector – 2007

### MILLION TONNES

	TOTAL ENERGY	FUEL COMBUSTION	Energy Industries	Public Electricity and Heat Production	Petroleum Refining	Other Energy Industries	Manufacturing and Construction	Iron and Steel	Non-Ferrous Metals	Chemicals	Pulp, Paper and Print	Food, Beverages and Tobacco	Other
EU-27	3 873.6	3 854.7	1 597.4	1 392.5	134.6	70.4	634.5	115.6	14.6	82.3	30.3	43.8	347.8
EU-25	3 728.3	3 709.4	1 516.2	1 313.0	134.5	68.7	604.2	113.0	14.3	80.0	30.1	43.4	323.4
BE	104.8	104.7	26.8	21.9	4.6	0.3	26.3	8.6	0.5	7.9	0.6	1.8	7.0
BG	53.4	53.4	32.8	31.1	0.1	1.6	10.8	2.6	0.3	2.3	0.2	0.5	4.9
CZ	116.3	116.3	61.3	59.0	1.0	1.4	24.9	3.7	0.2	4.3	0.6	1.1	15.0
DK	51.5	51.1	25.1	22.5	1.0	1.6	5.7	0.4	0.0	0.4	0.2	1.5	3.1
DE	755.3	755.3	385.5	345.7	22.0	17.9	89.1	5.9	0.5		0.0	0.7	82.0
EE	18.3	18.3	14.5	13.5	0.9		1.0	0.0	0.0	0.0	0.0	0.0	1.0
IE	44.8	44.8	14.4	13.9	0.4	0.1	6.1	0.0	1.8	0.5	0.1	1.0	2.8
EL	105.5	105.4	58.8	54.8	4.0	0.1	10.5	0.2	1.5	0.9	0.3	0.7	6.9
ES	338.1	335.6	122.1	107.4	12.8	1.9	67.5	7.1	3.0	9.0	5.7	6.5	36.3
FR	375.9	372.2	66.4	47.5	15.2	3.7	77.1	16.7	1.9	16.1	4.6	11.7	26.1
IT	446.7	444.6	157.8	120.8	25.9	11.2	78.9	17.2	1.1	11.3	5.2	5.5	38.5
CY	7.4	7.4	3.8	3.8			1.1					0.1	0.9
LV	8.3	8.3	2.0	1.9		0.1	1.2	0.3	0.0	0.0	0.0	0.2	0.7
LT	12.9	12.9	4.9	3.3	1.5	0.0	1.6			0.1	0.0	0.3	1.1
LU	11.1	11.1	1.4	1.4			1.8	0.6	0.1	0.2		0.0	1.0
HU	53.8	53.7	20.4	18.2	1.8	0.4	7.7	3.0	1.5	1.6	0.2	0.6	0.7
MT	2.7	2.7	2.0	2.0			0.1	0.1					
NL	165.4	163.8	65.5	52.7	10.6	2.2	27.7	4.5	0.3	12.8	1.4	3.8	4.9
AT	64.4	64.1	13.9	10.4	2.9	0.6	15.7	6.2	0.3	1.5	2.2	0.9	4.6
PL	302.9	302.7	182.7	168.8	6.1	7.7	34.6	8.2	1.2	6.6	1.3	4.7	12.6
PT	55.5	54.6	19.8	17.2	2.6		10.7	0.2		2.1	0.8	0.8	6.7
RO	91.9	91.9	48.4	48.4			19.5						19.5
SI	16.0	15.8	6.6	6.6	0.0	0.0	2.3	0.2	0.1	0.2	0.5	0.1	1.3
SK	34.0	34.0	10.2	7.2	1.5	1.5	12.5	6.6	0.2	1.8	0.6	0.4	3.0
FI	61.8	61.7	30.4	27.3	2.8	0.4	11.2	3.4	0.1	0.9	4.3	0.2	2.3
SE	46.4	45.2	10.3	8.0	1.9	0.3	10.1	1.2	0.1	1.6	1.6	0.7	4.9
UK	528.4	523.1	209.5	177.1	15.0	17.3	78.8	18.7					60.1
HR	21.8	21.2	7.6	5.4	1.8	0.4	3.9	0.1	0.0	0.5	0.2	0.6	2.5
MK													
TR	282.5	282.5	106.6	100.7	5.9		80.0	10.0	10.0	2.4			57.7
IS	2.1	2.0	0.0	0.0			0.4	0.0	0.0			0.1	0.3
NO	38.4	34.8	12.7	0.6	1.1	11.0	3.5	0.1	0.2	1.3	0.3	0.4	1.2
CH	41.4	41.3	3.3	2.5	0.9		5.8	0.2	0.0	1.0	0.4	0.6	3.5

Notes: (\*) Excluding LULUCF (Land Use, Land – Use Change and Forestry) Emissions and International Bunkers.

## CO<sub>2</sub> Emissions (\*) by Sector – 2007 MILLION TONNES

Transport (**)	Other Sectors	Commercial / Institutional	Residential	Agriculture / Forestry / Fisheries	Other (Not elsewhere specified)	FUGITIVE EMISSIONS FROM FUELS	INDUSTRIAL PROCESSES	SOLVENT AND OTHER PRODUCT USE	AGRICULTURE	WASTE	OTHER	TOTAL EMISSIONS	
966.0	646.8	164.0	413.1	69.8	9.9	18.8	300.9	8.6		3.6		4 186.7	EU-27
945.1	634.0	159.5	405.3	69.2	9.9	18.8	276.6	8.4		3.6		4 016.9	EU-25
25.1	264	55	188	2.1	0.1	0.1	97			0.1		114.5	BE
8.2	1.6	0.3	1.1	0.2			55	0.0				58.9	BG
18.5	10.5	3.1	7.1	0.2	1.1	0.0	129	0.3		0.4		129.9	CZ
14.0	6.1	0.8	3.4	2.0	0.2	0.4	1.6	0.1				53.2	DK
151.9	127.5	35.9	85.9	5.7	1.3	0.0	83.7	2.1				841.2	DE
2.5	0.3	0.1	0.2	0.1			0.8					19.1	EE
14.1	10.2	2.6	6.8	0.8			2.6	0.1				47.5	IE
23.4	12.7	1.5	8.6	2.6		0.1	7.9	0.2		0.0		113.6	EL
109.1	36.7	8.2	18.4	10.1		2.6	27.0	1.2		0.0		366.4	ES
136.0	92.6	27.4	56.5	8.8		3.7	18.4	1.3		1.5		397.1	FR
127.2	79.7	22.4	49.5	7.8	0.9	2.2	26.9	1.4		0.3		475.3	IT
2.2	0.4	0.1	0.2	0.1	0.0		0.9	0.0				8.3	CY
3.7	1.4	0.6	0.4	0.4	0.0		0.2	0.1		0.0		8.6	LV
5.1	1.3	0.4	0.7	0.2	0.0	0.0	2.9	0.1		0.0		15.9	LT
6.6	1.4	0.7	0.7	0.1	0.0	0.0	0.7	0.0				11.8	LU
12.4	13.2	3.9	8.3	1.1		0.1	3.5	0.1		0.4		57.8	HU
0.5	0.1	0.1	0.0				0.0			0.0		2.7	MT
35.2	35.0	10.2	16.0	8.7	0.3	1.6	7.2	0.1				172.7	NL
23.9	10.6	2.0	7.7	0.9	0.0	0.2	9.5	0.2		0.0		74.2	AT
37.5	47.9	8.1	30.8	8.9		0.2	24.4	0.6		0.3		328.3	PL
18.8	5.2	2.4	2.1	0.7	0.1	0.9	7.0	0.3		0.0		62.8	PT
12.8	11.2	4.1	6.6	0.4			18.8	0.2		0.0		110.9	RO
5.2	1.8	0.5	1.1	0.2		0.2	1.0					17.0	SI
6.5	3.6	0.7	2.9	0.1	1.1	0.0	4.1			0.0		38.1	SK
14.0	4.9	1.1	2.0	1.8	1.0	0.1	4.2	0.1				66.1	FI
20.6	3.9	0.8	1.4	1.6	0.3	1.2	4.9	0.2		0.1		51.6	SE
130.8	100.5	20.6	75.8	4.1	3.5	5.2	14.4			0.4		543.2	UK
6.3	3.3	0.6	2.0	0.7		0.7	2.8	0.2		0.0		24.9	HR
													MK
51.0	44.8		34.1	10.8			22.0					304.5	TR
1.0	0.6	0.0	0.0	0.6		0.2	1.2	0.0		0.0		3.4	IS
15.4	2.9	0.7	0.6	1.7	0.2	3.7	6.4	0.1		0.0		45.0	NO
16.2	15.3	4.7	10.1	0.5	0.6	0.1	2.1	0.2		0.0		43.6	CH

Notes: (\*) Excluding LULUCF (Land Use, Land – Use Change and Forestry) Emissions and International Bunkers; (\*\*) Excluding international bunkers (international traffic departing from the EU).

## CO<sub>2</sub> Emissions (\*) by Sector – 2007

### SHARES %

	TOTAL ENERGY	FUEL COMBUSTION	Energy Industries	Public Electricity and Heat Production	Petroleum Refining	Other Energy Industries	Manufacturing and Construction	Iron and Steel	Non-Ferrous Metals	Chemicals	Pulp, Paper and Print	Food, Beverages and Tobacco	Other
EU-27	92.5	99.5	41.4	87.2	8.4	4.4	16.5	18.2	2.3	13.0	4.8	6.9	54.8
EU-25	92.8	99.5	40.9	86.6	8.9	4.5	16.3	18.7	2.4	13.2	5.0	7.2	53.5
BE	91.5	99.9	25.6	81.6	17.2	1.2	25.1	32.6	1.8	29.9	2.2	6.8	26.7
BG	90.7	100.0	61.4	94.8	0.2	5.0	20.2	23.8	2.7	21.7	1.8	4.5	45.5
CZ	89.5	100.0	52.7	96.2	1.6	2.2	21.4	14.9	0.8	17.3	2.3	4.5	60.2
DK	96.7	99.3	49.2	89.7	3.9	6.4	11.1	7.7	0.1	7.7	4.1	26.5	53.8
DE	89.8	100.0	51.0	89.7	5.7	4.6	11.8	6.6	0.6		0.0	0.7	92.1
EE	96.0	100.0	78.8	93.7	6.3		5.4	0.1	0.6	0.7	0.5	1.2	96.9
IE	94.4	100.0	32.1	96.7	2.5	0.8	13.6	0.0	29.8	7.4	1.3	16.3	45.2
EL	92.9	99.9	55.8	93.1	6.8	0.1	10.0	1.9	14.7	8.8	2.4	6.7	65.5
ES	92.3	99.2	36.4	87.9	10.5	1.6	20.1	10.4	4.4	13.3	8.5	9.6	53.8
FR	94.7	99.0	17.8	71.5	22.8	5.6	20.7	21.7	2.4	20.9	5.9	15.2	33.8
IT	94.0	99.5	35.5	76.5	16.4	7.1	17.7	21.8	1.5	14.4	6.6	6.9	48.8
CY	89.2	100.0	51.2	100.0			14.2					13.1	86.9
LV	96.5	100.0	23.6	97.2		2.8	14.8	24.8	0.9	1.7	0.9	17.7	53.9
LT	81.0	99.9	38.1	68.2	31.1	0.7	12.3			8.7	0.2	19.3	71.8
LU	94.0	100.0	12.2	100.0			16.1	31.6	3.1	9.5		1.4	54.4
HU	93.1	99.9	37.9	89.2	8.8	2.0	14.3	39.2	19.5	21.0	2.5	8.3	9.4
MT	100.0	100.0	75.1	100.0			1.9	100.0					
NL	95.8	99.0	40.0	80.4	16.2	3.4	16.9	16.3	0.9	46.3	5.0	13.8	17.6
AT	86.8	99.6	21.7	74.9	20.6	4.5	24.4	39.7	1.6	9.8	14.0	5.7	29.2
PL	92.3	99.9	60.3	92.4	3.4	4.2	11.4	23.6	3.5	19.1	3.8	13.6	36.4
PT	88.3	98.4	36.2	86.7	13.3		19.6	2.2		19.9	7.6	7.7	62.7
RO	82.9	100.0	52.7	100.0			21.2						100.0
SI	94.2	98.8	41.5	100.0	0.0	0.0	14.6	8.8	3.6	7.5	19.6	5.7	54.8
SK	89.1	100.0	30.1	70.6	15.1	14.3	36.7	52.7	1.3	14.3	4.6	3.0	24.2
FI	93.5	99.8	49.4	89.8	9.1	1.2	18.2	30.4	0.9	8.4	38.2	1.5	20.6
SE	89.9	97.3	22.8	78.1	18.7	3.2	22.4	12.0	0.9	15.7	16.3	6.6	48.4
UK	97.3	99.0	40.0	84.6	7.2	8.3	15.1	23.8					76.2
HR	87.8	97.0	36.1	71.3	24.0	4.7	18.3	2.7	0.5	13.9	4.1	14.4	64.4
MK													
TR	92.8	100.0	37.7	94.4	5.6		28.3	12.5	12.4	3.0			72.1
IS	64.0	92.9	1.5	100.0			20.1	0.4	4.2			19.6	75.8
NO	85.5	90.5	36.5	4.6	8.4	86.9	10.1	2.2	6.4	38.3	9.8	10.5	32.8
CH	94.8	99.8	8.1	73.4	26.6		14.1	3.7	0.8	16.8	7.5	10.2	61.0

Notes: (\*) Excluding international bunkers and LULUCF (Land Use, Land – Use Change and Forestry) emissions.



## CO<sub>2</sub> Emissions (\*) by Sector – 2007

SHARES %

Transport (**)	Other Sectors	Commercial / Institutional	Residential	Agriculture / Forestry / Fisheries	Other (Not elsewhere specified)	FUGITIVE EMISSIONS FROM FUELS	INDUSTRIAL PROCESSES	SOLVENT AND OTHER PRODUCT USE	AGRICULTURE	WASTE	OTHER	TOTAL EMISSIONS	
25.1	16.8	25.3	63.9	10.8	0.3	0.5	7.2	0.2		0.1		100	EU-27
25.5	17.1	25.2	63.9	10.9	0.3	0.5	6.9	0.2		0.1		100	EU-25
23.9	25.2	20.8	71.1	8.1	0.1	0.1	8.4			0.1		100	BE
15.4	3.0	20.0	67.7	12.3			9.3	0.0				100	BG
15.9	9.0	29.9	67.9	2.2	0.9	0.0	10.0	0.2		0.3		100	CZ
27.4	12.0	12.8	54.8	32.4	0.3	0.7	3.1	0.2				100	DK
20.1	16.9	28.1	67.4	4.5	0.2	0.0	9.9	0.3				100	DE
13.8	1.9	32.7	52.2	15.1			4.0					100	EE
31.5	22.7	25.5	66.9	7.6			5.4	0.2				100	IE
22.2	12.0	11.9	67.9	20.3		0.1	7.0	0.1		0.0		100	EL
32.5	11.0	22.4	50.2	27.4		0.8	7.4	0.3		0.0		100	ES
36.6	24.9	29.6	60.9	9.5		1.0	4.6	0.3		0.4		100	FR
28.6	17.9	28.1	62.1	9.8	0.2	0.5	5.7	0.3		0.1		100	IT
29.5	4.7	24.1	59.1	16.8	0.4		10.8	0.0				100	CY
45.1	16.5	40.9	31.0	28.1	0.0		2.9	0.6		0.0		100	LV
39.4	10.1	31.4	50.6	18.0	0.1	0.1	18.4	0.6		0.0		100	LT
59.0	12.6	48.7	47.6	3.6	0.1	0.0	5.8	0.1				100	LU
23.1	24.6	29.1	62.7	8.2		0.1	6.1	0.1		0.7		100	HU
19.6	3.4	57.1	42.9				0.0			0.0		100	MT
21.5	21.4	29.2	45.8	25.0	0.2	1.0	4.1	0.1				100	NL
37.3	16.5	18.4	72.9	8.7	0.1	0.4	12.9	0.3		0.0		100	AT
12.4	15.8	17.0	64.4	18.7		0.1	7.4	0.2		0.1		100	PL
34.5	9.5	46.0	39.8	14.2	0.1	1.6	11.1	0.6		0.0		100	PT
13.9	12.1	36.7	59.3	4.0			16.9	0.1		0.0		100	RO
32.8	11.1	27.0	60.0	13.0		1.2	5.8					100	SI
19.1	10.7	19.1	78.4	2.5	3.4	0.0	10.9			0.0		100	SK
22.8	8.0	22.4	41.5	36.1	1.7	0.2	6.4	0.1				100	FI
45.7	8.6	21.5	36.4	42.1	0.6	2.7	9.6	0.3		0.2		100	SE
25.0	19.2	20.4	75.4	4.1	0.7	1.0	2.7			0.1		100	UK
30.0	15.6	18.4	59.7	21.9		3.0	11.4	0.8		0.0		100	HR
													MK
18.1	15.9		75.9	24.1			7.2					100	TR
48.8	29.7	2.7	1.8	95.5		7.1	35.7	0.2		0.0		100	IS
44.4	8.4	24.0	19.5	56.5	0.6	9.5	14.2	0.3		0.0		100	NO
39.3	37.1	30.4	66.0	3.6	1.4	0.2	4.8	0.4		0.0		100	CH

Notes: (\*) Excluding international bunkers and LULUCF (Land Use, Land – Use Change and Forestry) emissions; (\*\*) Excluding international bunkers (international traffic departing from the EU).

## CO<sub>2</sub> Emissions from Transport

### MILLION TONNES

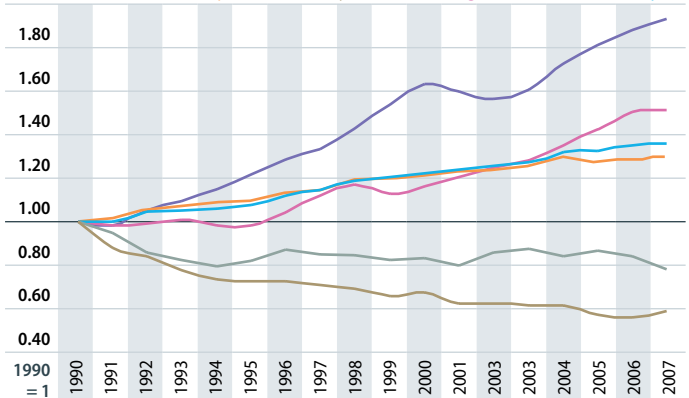
INCLUDING INTERNATIONAL BUNKERS						
	1990	1995	2000	2005	2006	2007
<b>EU-27</b>	941.6	1 013.8	1 145.0	1 244.9	1 266.7	1 276.9
<b>EU-25</b>	920.3	996.7	1 128.8	1 223.7	1 244.4	1 254.6
BE	36.5	37.8	44.8	54.2	56.2	59.3
BG	12.6	8.3	6.4	8.9	9.4	8.9
CZ	8.0	9.9	12.7	18.4	18.7	19.6
DK	15.4	18.8	18.7	18.3	19.4	20.2
DE	182.0	196.9	206.9	190.6	188.0	187.1
EE	4.0	1.9	2.0	2.7	3.2	3.5
IE	6.2	7.6	12.8	15.6	16.7	17.5
EL	25.0	30.4	32.9	33.2	35.2	36.3
ES	71.5	81.9	112.2	137.3	141.7	146.4
FR	134.4	145.5	159.6	162.9	162.9	162.5
IT	109.8	121.2	132.3	141.9	144.4	145.4
CY	1.7	2.2	2.7	3.6	3.6	3.7
LV	4.6	2.6	2.3	4.0	4.2	4.6
LT	6.4	3.6	3.5	4.7	4.9	5.6
LU	3.1	4.0	5.7	8.3	8.1	7.9
HU	8.5	7.3	9.2	12.5	12.9	13.1
MT	0.3	0.4	0.5	2.7	3.0	3.3
NL	64.9	72.2	84.8	99.7	102.7	97.7
AT	14.7	17.0	20.5	27.0	25.7	26.1
PL	26.9	30.2	34.0	37.3	39.6	39.6
PT	12.8	15.7	22.3	23.0	23.3	23.1
RO	8.7	8.8	9.8	12.3	12.8	13.4
SI	2.8	3.7	3.8	4.5	4.8	5.4
SK	5.0	4.4	4.2	6.3	5.9	6.6
FI	15.4	13.7	15.7	16.4	16.9	17.2
SE	21.9	23.6	25.7	29.3	29.7	30.3
UK	138.8	144.3	158.9	169.5	172.7	172.7
HR	4.4	3.7	4.7	5.9	6.2	6.7
MK						
TR	26.0	32.8	35.0	40.5	43.7	51.0
IS	0.9	1.0	1.3	1.3	1.6	1.7
NO	13.2	14.9	16.5	17.4	18.1	18.7
CH	17.6	17.8	20.5	19.3	19.5	20.1

## CO<sub>2</sub> Emissions from Transport – EU-27 BY MODE (MILLION TONNES)

### INCLUDING INTERNATIONAL BUNKERS

	TOTAL CIVIL AVIATION	Civil Aviation (domestic) (*)	International Bunkers – Aviation	ROAD TRANSPORTATION	RAILWAYS (***)	TOTAL NAVIGATION	Navigation (domestic) (*)	International Bunkers – Maritime Transport	OTHER TRANSPORTATION (****)	TOTAL TRANSPORT	TOTAL EMISSIONS (**)
1990	82.7	17.1	65.6	704.3	14.1	129.2	20.6	108.6	11.3	941.6	4573.7
1991	81.1	16.1	65.0	712.0	12.4	127.3	21.0	106.4	10.7	943.5	4514.0
1992	86.7	16.3	70.3	737.2	11.7	128.2	20.5	107.7	9.6	973.4	4368.7
1993	90.5	15.9	74.6	746.6	10.9	130.6	20.4	110.2	9.2	987.8	4311.2
1994	94.2	15.5	78.7	753.3	10.3	127.3	20.2	107.1	9.0	994.1	4288.9
1995	99.8	16.6	83.2	767.4	10.2	127.2	18.8	108.4	9.2	1013.8	4341.7
1996	105.6	17.9	87.6	789.6	10.2	134.7	19.4	115.3	9.8	1049.9	4453.9
1997	110.4	18.8	91.6	799.4	9.9	144.9	19.4	125.6	9.5	1074.1	4379.8
1998	118.4	19.7	98.7	825.3	9.6	151.5	20.1	131.4	9.5	1114.4	4382.1
1999	127.3	21.0	106.3	841.3	9.2	145.3	20.0	125.2	9.2	1132.3	4315.8
2000	134.6	21.7	112.9	842.2	9.4	149.6	18.3	131.3	9.3	1145.0	4349.9
2001	132.3	20.8	111.5	857.3	8.7	155.1	18.5	136.7	8.9	1162.3	4432.6
2002	129.3	19.9	109.4	870.7	8.7	161.3	18.0	143.3	9.6	1179.6	4410.8
2003	133.0	19.7	113.3	878.9	8.6	165.6	20.0	145.6	9.8	1195.9	4511.3
2004	142.4	20.4	122.0	897.3	8.6	174.5	20.3	154.2	9.4	1232.1	4540.6
2005	149.6	21.5	128.1	895.2	8.0	182.5	20.9	161.5	9.7	1244.9	4521.1
2006	155.5	21.8	133.7	899.7	7.9	194.2	22.3	171.9	9.4	1266.7	4548.7
2007	159.6	22.2	137.4	905.0	8.2	195.4	21.9	173.5	8.7	1276.9	4497.5

Total Civil Aviation - Road Transportation - Railways (\*\*\*) - Total Navigation - Other - Total Transport

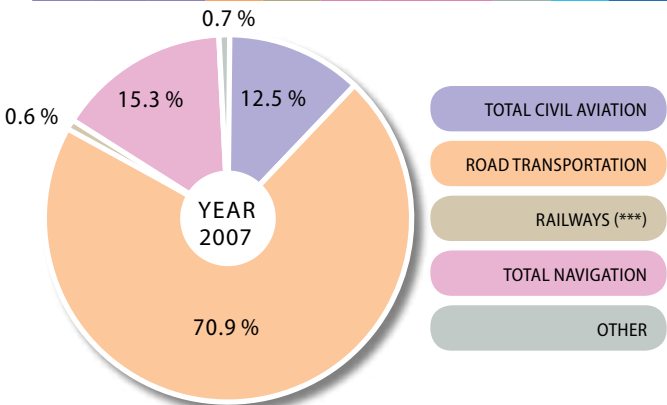


**Notes:** (\*) Excluding international bunkers (international traffic departing from the EU); (\*\*) Including International Bunkers but excluding LULUCF; (\*\*\*) Excluding indirect emissions from electricity consumption; (\*\*\*\*) Combustion emissions from all remaining transport activities including pipeline transportation, ground activities in airports and harbours, and off-road activities.

## CO<sub>2</sub> Emissions from Transport – EU-27 BY MODE (SHARES %)

### INCLUDING INTERNATIONAL BUNKERS

	TOTAL CIVIL AVIATION	Civil Aviation (domestic) (*)	International Bunkers – Aviation	ROAD TRANSPORTATION	RAILWAYS (***)	TOTAL NAVIGATION	Navigation (domestic) (*)	International Bunkers – Maritime Transport	OTHER TRANSPORT (****)	TOTAL TRANSPORT (*****)	TOTAL EMISSIONS (**)
1990	8.8	20.7	79.3	74.8	1.5	13.7	16.0	84.0	1.2	20.6	100
1991	8.6	19.9	80.1	75.5	1.3	13.5	16.5	83.5	1.1	20.9	100
1992	8.9	18.9	81.1	75.7	1.2	13.2	16.0	84.0	1.0	22.3	100
1993	9.2	17.5	82.5	75.6	1.1	13.2	15.6	84.4	0.9	22.9	100
1994	9.5	16.4	83.6	75.8	1.0	12.8	15.9	84.1	0.9	23.2	100
1995	9.8	16.7	83.3	75.7	1.0	12.5	14.8	85.2	0.9	23.4	100
1996	10.1	17.0	83.0	75.2	1.0	12.8	14.4	85.6	0.9	23.6	100
1997	10.3	17.0	83.0	74.4	0.9	13.5	13.4	86.6	0.9	24.5	100
1998	10.6	16.6	83.4	74.1	0.9	13.6	13.3	86.7	0.9	25.4	100
1999	11.2	16.5	83.5	74.3	0.8	12.8	13.8	86.2	0.8	26.2	100
2000	11.8	16.1	83.9	73.6	0.8	13.1	12.2	87.8	0.8	26.3	100
2001	11.4	15.7	84.3	73.8	0.7	13.3	11.9	88.1	0.8	26.2	100
2002	11.0	15.4	84.6	73.8	0.7	13.7	11.2	88.8	0.8	26.7	100
2003	11.1	14.8	85.2	73.5	0.7	13.8	12.1	87.9	0.8	26.5	100
2004	11.6	14.3	85.7	72.8	0.7	14.2	11.6	88.4	0.8	27.1	100
2005	12.0	14.4	85.6	71.9	0.6	14.7	11.5	88.5	0.8	27.5	100
2006	12.3	14.0	86.0	71.0	0.6	15.3	11.5	88.5	0.7	27.8	100
2007	12.5	13.9	86.1	70.9	0.6	15.3	11.2	88.8	0.7	28.4	100



**Notes:** (\*) Excluding international bunkers (international traffic departing from the EU); (\*\*) Including International Bunkers but excluding LULUCF; (\*\*\*) Excluding indirect emissions from electricity consumption; (\*\*\*\*) Combustion emissions from all remaining transport activities including pipeline transportation, ground activities in airports and harbours, and off-road activities; (\*\*\*\*\* Total Transport's share in Total Emissions.

## CO<sub>2</sub> Emissions from Transport – 2007 BY MODE (MILLION TONNES)

### INCLUDING INTERNATIONAL BUNKERS

	TOTAL CIVIL AVIATION	Civil Aviation (domestic) (*)	International Bunkers – Aviation	ROAD TRANSPORTATION	RAILWAYS	TOTAL NAVIGATION	Navigation (domestic) (*)	International Bunkers – Maritime Transport	OTHER TRANSPORTATION	TOTAL TRANSPORT	TOTAL EMISSIONS (**)
EU-27	159.6	22.2	137.4	905.0	8.2	195.4	21.9	173.5	8.7	1 276.9	4 497.5
EU-25	158.4	22.0	136.4	885.7	7.6	194.9	21.8	173.1	8.0	1 254.6	4 326.4
BE	3.8	0.0	3.8	24.3	0.1	30.9	0.5	30.4	0.1	59.3	148.8
BG	0.7	0.1	0.5	7.3	0.1	0.2		0.2	0.7	8.9	59.6
CZ	1.1	0.0	1.1	18.0	0.3	0.0	0.0		0.1	19.6	131.0
DK	2.8	0.1	2.7	13.2	0.2	4.0	0.5	3.6		20.2	59.5
DE	27.6	2.3	25.3	144.1	1.3	10.5	0.5	9.9	3.6	187.1	876.3
EE	0.1	0.0	0.1	2.2	0.1	0.8	0.1	0.8	0.1	3.5	20.0
IE	3.1	0.1	3.0	13.8	0.1	0.4	0.0	0.4	0.1	17.5	50.9
EL	4.3	1.3	2.9	19.8	0.1	12.1	2.1	10.0	0.0	36.3	126.5
ES	18.0	7.6	10.4	97.8	0.3	30.1	3.3	26.8	0.2	146.4	403.6
FR	21.7	4.6	17.1	127.4	0.6	12.3	3.0	9.3	0.6	162.5	423.5
IT	12.9	2.4	10.4	118.7	0.3	12.7	5.0	7.8	0.8	145.4	493.5
CY	0.9		0.9	2.2		0.6		0.6		3.7	9.8
LV	0.2	0.0	0.2	3.5	0.2	0.6	0.0	0.6		4.6	9.4
LT	0.2	0.0	0.2	4.8	0.2	0.3	0.0	0.3		5.6	16.4
LU	1.3	0.0	1.3	6.6	0.0	0.0	0.0	0.0		7.9	13.2
HU	0.7		0.7	12.2	0.2	0.0	0.0			13.1	58.5
MT	0.0	0.0	0.0	0.5		2.7	0.0	2.7		3.3	5.4
NL	11.1	0.0	11.1	34.5	0.1	52.0	0.6	51.4		97.7	235.1
AT	2.2	0.1	2.2	23.2	0.2	0.1	0.1		0.4	26.1	76.4
PL	1.4	0.1	1.3	36.3	0.5	0.8	0.0	0.8	0.6	39.6	330.4
PT	2.9	0.4	2.5	18.2	0.1	2.0	0.2	1.8		23.1	67.1
RO	0.5	0.1	0.4	12.0	0.6	0.3	0.1	0.2	0.0	13.4	111.5
SI	0.1	0.0	0.1	5.1	0.0	0.2		0.2		5.4	17.2
SK	0.1	0.0	0.1	6.4	0.1	0.0		0.0	0.0	6.6	38.3
FI	2.0	0.3	1.7	12.3	0.1	2.1	0.6	1.5	0.7	17.2	69.3
SE	2.8	0.6	2.2	19.4	0.1	7.9	0.4	7.4	0.2	30.3	61.2
UK	36.9	2.0	35.0	121.2	2.2	11.8	4.9	6.9	0.5	172.7	585.1
HR	0.3	0.1	0.2	6.1	0.1	0.2	0.1	0.1		6.7	25.2
MK											
TR	6.1	6.1		42.9	0.4	1.6	1.6			51.0	304.5
IS	0.5	0.0	0.5	0.9		0.3	0.1	0.2		1.7	4.1
NO	2.2	0.9	1.2	10.1	0.0	4.6	2.6	2.0	1.8	18.7	48.2
CH	4.1	0.1	3.9	15.8	0.0	0.1	0.1		0.1	20.1	47.6

Notes: (\*) Excluding international bunkers (international traffic departing from the EU);  
(\*\*) Including International Bunkers but excluding LULUCF.

## CO<sub>2</sub> Emissions from Transport – 2007

### BY MODE (SHARES %)

#### INCLUDING INTERNATIONAL BUNKERS

	TOTAL CIVIL AVIATION	Civil Aviation (domestic) (*)	International Bunkers – Aviation	ROAD TRANSPORTATION	RAILWAYS	TOTAL NAVIGATION	Navigation (domestic) (*)	International Bunkers – Maritime Transport	OTHER TRANSPORTATION	TOTAL TRANSPORT (***)	TOTAL EMISSIONS (**)
EU-27	12.5	13.9	86.1	70.9	0.6	15.3	11.2	88.8	0.7	28.4	100
EU-25	12.6	13.9	86.1	70.6	0.6	15.5	11.2	88.8	0.6	29.0	100
BE	6.4	0.2	99.8	41.0	0.2	52.1	1.5	98.5	0.2	39.8	100
BG	7.4	20.1	79.9	82.1	0.9	1.9		100.0	7.7	14.9	100
CZ	5.7	2.9	97.1	92.3	1.5	0.1	100.0		0.4	14.9	100
DK	13.9	3.8	96.2	65.2	1.1	19.8	11.3	88.7		34.0	100
DE	14.8	8.4	91.6	77.0	0.7	5.6	5.1	94.9	1.9	21.3	100
EE	4.3	0.8	99.2	64.3	3.2	24.0	6.5	93.5	4.2	17.3	100
IE	17.8	3.9	96.1	78.6	0.8	2.1	1.1	98.9	0.7	34.4	100
EL	11.8	31.6	68.4	54.5	0.3	33.4	17.4	82.6	0.0	28.7	100
ES	12.3	42.1	57.9	66.8	0.2	20.6	10.8	89.2	0.1	36.3	100
FR	13.3	21.0	79.0	78.4	0.4	7.6	24.3	75.7	0.3	38.4	100
IT	8.8	18.9	81.1	81.7	0.2	8.8	39.1	60.9	0.5	29.5	100
CY	24.0		100.0	59.8		16.2		100.0		37.4	100
LV	5.4	0.8	99.2	76.7	5.3	12.5	0.9	99.1		48.4	100
LT	3.7	2.1	97.9	86.0	4.1	6.2	5.2	94.8		34.1	100
LU	16.8	0.0	100.0	83.1	0.0	0.0	79.0	21.0		60.0	100
HU	5.5		100.0	93.1	1.4	0.0	100.0			22.5	100
MT	1.5	1.0	99.0	15.5		83.0	0.7	99.3		60.2	100
NL	11.4	0.4	99.6	35.3	0.1	53.2	1.2	98.8		41.5	100
AT	8.6	3.3	96.7	88.8	0.6	0.3	100.0		1.7	34.2	100
PL	3.5	5.9	94.1	91.6	1.4	2.0	1.3	98.7	1.6	12.0	100
PT	12.5	13.5	86.5	78.6	0.3	8.5	10.7	89.3		34.4	100
RO	3.5	11.4	88.6	89.7	4.2	2.3	29.2	70.8	0.3	12.0	100
SI	1.8	1.7	98.3	94.6	0.7	2.9		100.0		31.6	100
SK	2.0	10.3	89.7	95.9	1.6	0.5		100.0	0.0	17.4	100
FI	11.4	15.5	84.5	71.6	0.6	12.1	28.1	71.9	4.2	24.8	100
SE	9.3	21.6	78.4	64.0	0.2	26.0	5.7	94.3	0.5	49.4	100
UK	21.4	5.3	94.7	70.2	1.3	6.9	41.6	58.4	0.3	29.5	100
HR	4.8	23.8	76.2	90.9	1.5	2.8	58.7	41.3		26.5	100
MK											
TR	11.9	100.0		84.2	0.8	3.1	100.0			16.8	100
IS	31.5	4.1	95.9	52.7		15.8	22.5	77.5		41.6	100
NO	11.5	42.1	57.9	54.1	0.2	24.7	56.2	43.8	9.4	38.8	100
CH	20.2	3.4	96.6	78.5	0.2	0.6	100.0		0.6	42.3	100

Notes: (\*) Excluding international bunkers (international traffic departing from the EU);  
 (\*\*) Including International Bunkers but excluding LULUCF;  
 (\*\*\*) Total Transport's share in Total Emissions.

## CO<sub>2</sub> Emissions (\*) Intensity (tCO<sub>2</sub>/toe)

	1990	1995	2000	2005	2006	2007
<b>EU-27</b>	2.75	2.61	2.52	2.48	2.49	2.49
<b>EU-25</b>	2.75	2.60	2.52	2.47	2.48	2.48
BE	2.78	2.53	2.35	2.48	2.48	2.59
BG	3.15	2.91	2.73	2.74	2.72	2.93
CZ	3.37	3.17	3.15	2.81	2.80	2.83
DK	3.22	3.33	3.05	2.82	3.06	2.90
DE	2.95	2.77	2.66	2.54	2.58	2.58
EE	3.74	3.36	3.19	3.12	3.16	3.30
IE	3.27	3.38	3.27	3.33	3.25	3.20
EL	4.19	4.15	4.16	3.91	3.88	3.78
ES	2.71	2.64	2.71	2.78	2.74	2.75
FR	1.81	1.70	1.66	1.59	1.58	1.57
IT	2.89	2.81	2.75	2.70	2.70	2.69
CY	3.37	3.24	3.85	3.85	3.72	3.60
LV	2.64	2.09	1.91	1.96	1.97	1.98
LT	2.29	1.81	1.76	1.73	1.80	1.80
LU	3.52	2.98	2.72	2.90	2.86	2.83
HU	2.54	2.40	2.36	2.20	2.17	2.16
MT	3.18	2.84	2.88	5.09	5.65	5.73
NL	2.92	2.87	2.88	2.92	2.98	2.78
AT	2.49	2.41	2.32	2.36	2.29	2.26
PL	3.71	3.68	3.55	3.42	3.38	3.37
PT	2.65	2.73	2.69	2.72	2.73	2.58
RO	2.72	2.76	2.58	2.71	2.74	2.78
SI	2.68	2.47	2.38	2.29	2.32	2.35
SK	2.96	2.49	2.30	2.14	2.13	2.12
FI	2.05	2.06	1.84	1.71	1.88	1.84
SE	1.27	1.25	1.25	1.19	1.23	1.21
UK	2.89	2.64	2.53	2.56	2.59	2.65
HR	5.25	2.43	2.58	2.66	2.66	2.69
MK						
TR	2.67	2.76	2.88	3.00	2.89	3.00
IS	1.15	1.16	1.05	0.94	0.85	
NO	1.71	1.71	1.73	1.43	1.87	1.74
CH	1.93	1.90	1.88	1.84	1.75	1.77

**Notes:** (\*) Including international bunkers and excluding LULUCF (Land Use, Land – Use Change and Forestry) emissions.

## CO<sub>2</sub> Emissions (\*) per Capita kg

	1990	1995	2000	2005	2006	2007
<b>EU-27</b>	9 305	9 070	9 006	9 190	9 209	9 066
<b>EU-25</b>	9 787	9 258	9 290	9 425	9 429	9 268
BE	13 546	13 726	14 092	14 505	14 233	14 005
BG	10 098	8 065	6 253	7 106	7 269	7 739
CZ	15 918	12 763	12 432	12 449	12 631	12 694
DK	11 209	12 907	11 155	10 231	11 787	10 895
DE	13 293	11 557	11 072	10 707	10 923	10 653
EE	23 918	12 770	11 621	12 889	12 720	14 912
IE	9 561	10 212	12 372	12 155	11 871	11 672
EL	9 218	9 461	10 744	11 033	10 969	11 302
ES	6 241	6 894	8 323	9 278	8 954	8 995
FR	7 088	6 915	7 078	7 020	6 845	6 662
IT	7 815	8 006	8 340	8 635	8 534	8 311
CY	8 833	9 841	13 244	12 555	12 566	12 499
LV	7 864	3 893	3 020	3 827	3 983	4 138
LT	9 960	4 328	3 549	4 375	4 464	4 872
LU	32 831	24 317	22 525	29 342	28 530	27 443
HU	7 032	6 005	5 790	6 123	5 998	5 815
MT	5 132	6 054	5 954	11 902	12 498	13 248
NL	13 261	13 822	13 946	14 758	14 669	14 357
AT	8 201	8 215	8 444	9 834	9 615	9 182
PL	9 807	9 611	8 432	8 390	8 701	8 667
PT	4 650	5 574	6 588	6 963	6 545	6 318
RO	7 464	5 738	4 268	4 917	5 172	5 176
SI	7 418	7 575	7 682	8 364	8 477	8 542
SK	11 717	8 231	7 474	7 579	7 441	7 095
FI	11 927	11 715	11 560	11 305	13 475	13 095
SE	6 989	7 129	6 770	6 813	6 813	6 694
UK	10 677	9 950	9 952	9 880	9 807	9 626
HR	4 927	3 759	4 546	5 340	5 362	5 673
MK						
TR	2 486	2 782	3 320	3 558	3 751	4 314
IS	9 726	10 068	12 046	11 445	12 097	13 105
NO	8 698	9 329	10 044	10 007	10 050	10 249
CH	6 999	6 693	6 778	6 679	6 602	6 333

**Notes:** (\*) Including international bunkers, excluding LULUCF (Land Use, Land – Use Change and Forestry) emissions.



## World Comparison SOME KEY STATISTICS (2007)

	GDP per Capita PPP 2 000 US\$	tCO <sub>2</sub> per Capita	tCO <sub>2</sub> / toe	CO <sub>2</sub> per GDP PPP 2 000 US\$
<b>United States</b>	37.96	19.10	2.47	0.50
<b>EU-27</b>	24.99	7.92	2.32 (**)	0.32
<b>Japan</b>	28.34	9.68	2.41	0.34
<b>Russia</b>	11.32	11.21	2.36	0.99
<b>China (*)</b>	7.65	4.58	3.08	0.60
<b>India</b>	3.58	1.18	2.23	0.33
<b>Korea</b>	21.99	10.08	2.20	0.46
<b>Brazil</b>	8.15	1.81	1.47	0.22
<b>Canada</b>	31.74	17.37	2.13	0.55
<b>Mexico</b>	11.06	4.14	2.38	0.37
<b>World</b>	9.29	4.38	2.41	0.47

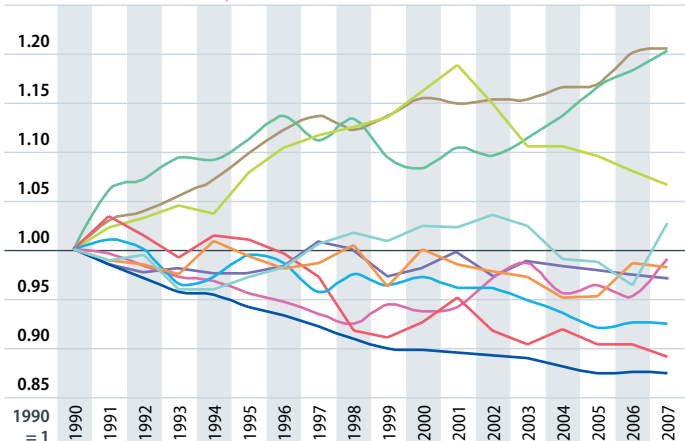
**Notes:** (\*) Including Hong Kong;  
(\*\*) Source: Eurostat (May 2009), EEA (July 2009).

## World Comparison

### CARBON INTENSITY (tCO<sub>2</sub>/toe)

	WORLD	United States	EU-27 (**)	Japan	Russia	China (*)	India	Korea	Brazil	Canada	Mexico
1990	2.39	2.54	2.65	2.43	2.51	2.57	1.85	2.46	1.38	2.07	2.42
1991	2.39	2.50	2.61	2.42	2.53	2.73	1.91	2.54	1.41	2.05	2.39
1992	2.38	2.48	2.57	2.39	2.55	2.75	1.93	2.50	1.43	2.06	2.38
1993	2.37	2.49	2.53	2.37	2.46	2.81	1.95	2.45	1.45	1.99	2.36
1994	2.36	2.48	2.53	2.36	2.48	2.81	1.98	2.50	1.43	1.99	2.44
1995	2.36	2.48	2.50	2.32	2.54	2.86	2.03	2.49	1.49	2.02	2.40
1996	2.37	2.50	2.47	2.31	2.52	2.92	2.07	2.45	1.53	2.04	2.37
1997	2.37	2.55	2.44	2.27	2.44	2.86	2.10	2.40	1.54	2.08	2.39
1998	2.37	2.53	2.41	2.25	2.49	2.91	2.08	2.26	1.56	2.11	2.43
1999	2.34	2.48	2.39	2.30	2.46	2.81	2.10	2.25	1.57	2.09	2.33
2000	2.35	2.49	2.38	2.28	2.48	2.79	2.14	2.28	1.60	2.12	2.42
2001	2.36	2.53	2.37	2.29	2.45	2.84	2.12	2.35	1.64	2.12	2.38
2002	2.34	2.47	2.37	2.36	2.45	2.81	2.13	2.27	1.59	2.14	2.37
2003	2.36	2.51	2.36	2.40	2.42	2.86	2.13	2.23	1.53	2.12	2.35
2004	2.37	2.50	2.34	2.32	2.39	2.92	2.15	2.27	1.53	2.05	2.30
2005	2.38	2.49	2.32	2.35	2.35	2.99	2.16	2.23	1.52	2.05	2.31
2006	2.39	2.47	2.32	2.32	2.37	3.04	2.22	2.23	1.49	2.00	2.39
2007	2.41	2.47	2.32	2.41	2.36	3.08	2.23	2.20	1.47	2.13	2.38

EU-27 - United States - Japan - Russia - China - India - Korea - Brazil - Canada - Mexico



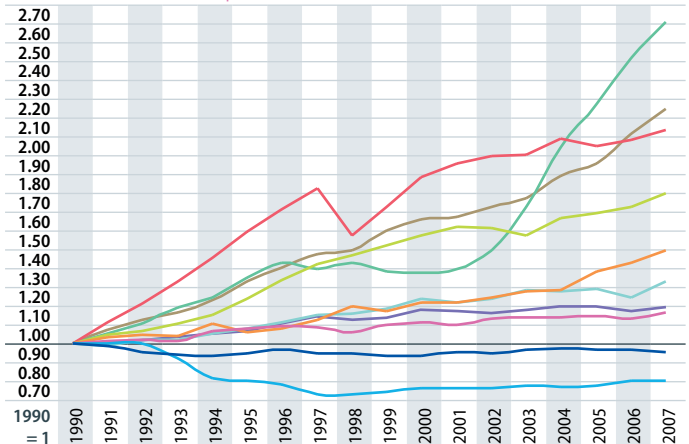
Notes: (\*) Including Hong Kong.

(\*\*) Source: EEA (not including Bunkers) July 2009, Eurostat, May 2009.

## World Comparison – CO<sub>2</sub> Emissions BY COUNTRY (MILLION TONNES)

	WORLD	United States	EU-27 (**)	Japan	Russia	China (*)	India	Korea	Brazil	Canada	Mexico	Others
1990	20 370	4 863	4 400	1 065	2 180	2 244	589	229	193	432	293	3 881
1991	20 528	4 829	4 343	1 073	2 173	2 361	631	254	201	427	302	3 935
1992	20 398	4 882	4 191	1 083	1 988	2 468	663	277	205	439	306	3 896
1993	20 489	5 003	4 126	1 078	1 829	2 670	687	304	213	438	304	3 837
1994	20 592	5 083	4 103	1 132	1 609	2 781	724	334	222	454	324	3 826
1995	21 124	5 133	4 150	1 146	1 583	3 022	783	365	239	465	310	3 928
1996	21 789	5 299	4 251	1 161	1 555	3 195	826	393	257	481	316	4 055
1997	21 951	5 477	4 163	1 157	1 444	3 133	869	418	275	497	329	4 190
1998	22 068	5 475	4 152	1 126	1 438	3 197	878	361	283	500	349	4 308
1999	22 166	5 501	4 084	1 166	1 474	3 090	942	395	293	511	342	4 366
2000	22 687	5 693	4 106	1 181	1 514	3 078	976	431	303	533	357	4 515
2001	22 889	5 673	4 184	1 167	1 514	3 125	985	449	312	526	356	4 598
2002	23 272	5 614	4 158	1 203	1 505	3 348	1 015	457	311	533	364	4 764
2003	24 299	5 689	4 252	1 210	1 540	3 872	1 041	459	304	555	373	5 006
2004	25 446	5 772	4 264	1 211	1 524	4 586	1 112	479	321	551	376	5 250
2005	26 206	5 784	4 232	1 218	1 531	5 099	1 154	469	327	556	404	5 432
2006	27 047	5 698	4 243	1 202	1 587	5 645	1 244	477	333	538	418	5 662
2007	27 940	5 769	4 187	1 236	1 587	6 071	1 324	489	347	573	438	5 919

EU-27 - United States - Japan - Russia - China - India - Korea - Brazil - Canada - Mexico



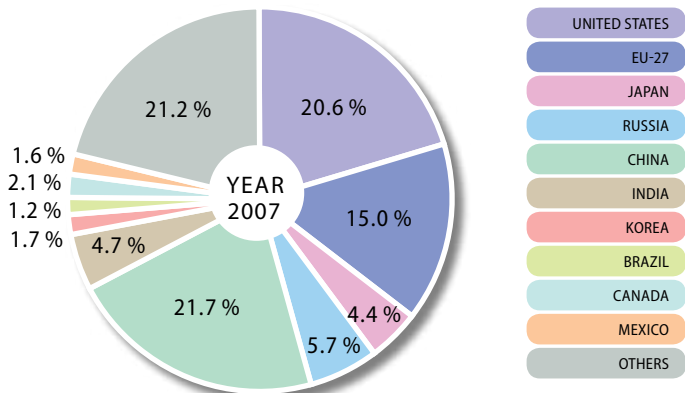
Notes: (\*) Including Hong Kong.

(\*\*) Source: EEA (excluding Bunkers), July 2009.

Source: OECD, November 2009

## World Comparison – CO<sub>2</sub> Emissions BY COUNTRY (SHARES %)

	WORLD	United States	EU-27 (**)	Japan	Russia	China (*)	India	Korea	Brazil	Canada	Mexico	Others
1990	100.0	23.9	21.6	5.2	10.7	11.0	2.9	1.1	0.9	2.1	1.4	19.1
1991	100.0	23.5	21.2	5.2	10.6	11.5	3.1	1.2	1.0	2.1	1.5	19.2
1992	100.0	23.9	20.5	5.3	9.7	12.1	3.2	1.4	1.0	2.2	1.5	19.1
1993	100.0	24.4	20.1	5.3	8.9	13.0	3.4	1.5	1.0	2.1	1.5	18.7
1994	100.0	24.7	19.9	5.5	7.8	13.5	3.5	1.6	1.1	2.2	1.6	18.6
1995	100.0	24.3	19.6	5.4	7.5	14.3	3.7	1.7	1.1	2.2	1.5	18.6
1996	100.0	24.3	19.5	5.3	7.1	14.7	3.8	1.8	1.2	2.2	1.4	18.6
1997	100.0	25.0	19.0	5.3	6.6	14.3	4.0	1.9	1.3	2.3	1.5	19.1
1998	100.0	24.8	18.8	5.1	6.5	14.5	4.0	1.6	1.3	2.3	1.6	19.5
1999	100.0	24.8	18.4	5.3	6.7	13.9	4.3	1.8	1.3	2.3	1.5	19.7
2000	100.0	25.1	18.1	5.2	6.7	13.6	4.3	1.9	1.3	2.3	1.6	19.9
2001	100.0	24.8	18.3	5.1	6.6	13.7	4.3	2.0	1.4	2.3	1.6	20.1
2002	100.0	24.1	17.9	5.2	6.5	14.4	4.4	2.0	1.3	2.3	1.6	20.5
2003	100.0	23.4	17.5	5.0	6.3	15.9	4.3	1.9	1.2	2.3	1.5	20.6
2004	100.0	22.7	16.8	4.8	6.0	18.0	4.4	1.9	1.3	2.2	1.5	20.6
2005	100.0	22.1	16.1	4.6	5.8	19.5	4.4	1.8	1.2	2.1	1.5	20.7
2006	100.0	21.1	15.7	4.4	5.9	20.9	4.6	1.8	1.2	2.0	1.5	20.9
2007	100.0	20.6	15.0	4.4	5.7	21.7	4.7	1.7	1.2	2.1	1.6	21.2



Notes: (\*) Including Hong Kong.

(\*\*) Source: EEA (not including Bunkers) July 2009, Eurostat, May 2009.

## Emissions of tropospheric ozone precursors (\*) from Transport

Million tonnes, Tropospheric ozone formation potential (TOFP) equivalent (\*\*)

	1990	1995	2000	2005	2006
<b>EU-27</b>	<b>22.470</b>	<b>18.845</b>	<b>14.878</b>	<b>11.484</b>	<b>11.046</b>
<b>EU-25</b>	<b>22.002</b>	<b>18.466</b>	<b>14.488</b>	<b>10.962</b>	<b>10.512</b>
BE	0.455	0.384	0.325	0.251	0.251
BG	0.234	0.143	0.120	0.224	0.245
CZ	0.421	0.303	0.410	0.232	0.232
DK	0.341	0.315	0.237	0.201	0.192
DE	4.238	2.753	2.043	1.355	1.262
EE	0.097	0.044	0.038	0.028	0.029
IE	0.168	0.168	0.150	0.112	0.108
EL	0.511	0.555	0.542	0.478	0.444
ES	1.560	1.562	1.440	1.253	1.200
FR	3.463	2.924	2.217	1.658	1.562
IT	3.165	3.259	2.370	1.642	1.524
CY	0.027	0.031	0.032	0.018	0.017
LV	0.094	0.042	0.044	0.047	0.051
LT	0.173	0.086	0.074	0.075	0.080
LU	0.002	0.002	0.002	0.002	0.001
HU	0.309	0.253	0.248	0.275	0.285
MT	0.011	0.014	0.009	0.008	0.008
NL	0.599	0.468	0.387	0.312	0.291
AT	0.289	0.271	0.261	0.274	0.251
PL	1.152	0.961	0.697	0.665	0.744
PT	0.323	0.317	0.291	0.232	0.224
RO	0.234	0.236	0.271	0.299	0.290
SI	0.076	0.088	0.062	0.047	0.045
SK	0.120	0.105	0.091	0.087	0.070
FI	0.422	0.347	0.269	0.206	0.196
SE	0.546	0.444	0.345	0.269	0.254
UK					
HR					
MK					
TR	0.840	1.265	1.330	1.203	1.203
IS					
NO	0.353	0.319	0.272	0.231	0.229
CH	0.295	0.204	0.166	0.124	0.117

**Notes:** (\*) Ozone precursors: NO<sub>x</sub>, NMVOC, CO, CH<sub>4</sub>; (\*\*) Weighting factors are used to derive tropospheric ozone forming potentials (TOFP) so that emissions can be combined in terms of their contribution to tropospheric ozone: nitrogen oxides 1.22, non-methane volatile organic compounds 1.0, carbon monoxide 0.11 and methane 0.014.

## 4.4

## 4.4.1

## Final Energy Consumption BY FUEL 2007 (ktoe)

	TOTAL FINAL CONSUMPTION OF PETROL AND DIESEL FOR TRANSPORT	Motor Spirit	Gas Diesel Oil	SHARE OF BIOFUELS IN TOTAL FINAL CONSUMPTION OF PETROL AND DIESEL FOR TRANSPORT	BIOFUELS	Biogasoline	Biodiesel	Other liquid biofuels (*)
EU-27	303 131	106 533	196 598	2.6%	7 878	1 187	6 675	15
EU-25	296 833	104 357	192 476	2.6%	7 835	1 187	6 635	12
BE	8 268	1 468	6 800	1.1%	87		87	
BG	2 013	627	1 386	0.1%	2			2
CZ	5 929	2 208	3 721	0.5%	30		30	
DK	4 529	1 881	2 647	0.1%	6	6		
DE	47 707	21 671	26 036	8.4%	3 994	296	3 698	
EE	805	338	467					
IE	4 671	1 915	2 756	0.5%	21	3	16	2
EL	7 030	4 317	2 713	1.2%	85		85	
ES	35 170	7 020	28 150	1.1%	386	114	273	
FR	41 514	9 783	31 731	3.5%	1 473	279	1 194	
IT	37 835	12 412	25 423	0.4%	141		141	
CY	657	370	287	0.1%	1		1	
LV	1 213	427	787	0.1%	2		2	
LT	1 434	437	997	3.6%	52	11	42	
LU	2 137	453	1 684	1.7%	36	1	35	
HU	4 257	1 611	2 645	0.7%	29	27	2	
MT	155	67	88					
NL	11 226	4 387	6 840	2.8%	311	88	223	
AT	7 592	2 035	5 557	2.9%	218	17	191	10
PL	12 059	4 249	7 810	0.8%	96	72	25	
PT	6 001	1 638	4 363	2.2%	133		133	
RO	4 285	1 549	2 736	0.9%	40		40	
SI	1 692	648	1 044	0.8%	13		13	
SK	1 813	644	1 169	4.9%	89	12	77	
FI	4 350	1 958	2 392	0.0%	1	1		
SE	7 257	3 897	3 360	3.9%	285	182	102	
UK	41 531	18 521	23 009	0.8%	346	77	268	
HR	1 986	745	1 241	0.1%	3		3	
MK								
TR	12 371	2 559	9 812	0.1%	12		12	
IS								
NO	4 364	1 495	2 868	0.7%	31		31	
CH	5 643	3 631	2 012	0.2%	12	2	10	

**Notes:** (\*) Liquid biofuels, used directly as fuel, not included in biogasoline or biodiesel. The share of biofuels in total final consumption of petrol and diesel for transport contributes towards the 10% binding minimum target for use of renewable energy in transport provided in the 2009 Directive on the promotion of the use of energy from renewable sources (the 10% target is formulated as the ratio between renewable energy consumption in transport and the total final consumption of 1) petrol, 2) diesel, 3) biofuels for road and rail transport and 4) electricity for transport).

## Biofuels Production

### BY FUEL 2007 (ktoe)

	TOTAL	Biogasoline	Biodiesel	Other liquid biofuels (*)
EU-27	8 809	1 110	6 246	1 453
EU-25	8 787	1 110	6 227	1 450
BE	91		57	34
BG	2			2
CZ	90	17	73	
DK	88		88	
DE	5 218	295	3 715	1 208
EE				
IE	15	1	12	2
EL	83		83	
ES	382	220	162	
FR	1 160	279	881	
IT	180		180	
CY				
LV	16	8	8	
LT	32	10	22	
LU	1		1	
HU	17	9	8	
MT				
NL	85		75	10
AT	212	6	133	73
PL	101	60	41	
PT	163		160	3
RO	19		19	
SI	4		4	
SK	59	14	45	
FI				
SE	407	182	102	122
UK	384	9	375	
HR	4		4	
MK				
TR	14		14	
IS				
NO				
CH	12	2	10	

Notes: (\*) Liquid biofuels, used directly as fuel, not included in biogasoline or biodiesel.

## 4.5

## 4.5.1

## Oil Spills at Sea

## NUMBER OF OIL SPILLS, TOTAL AMOUNT SPILT

PERIOD		Number of 7 to 700 tonnes	Number of over 700 tonnes	Tonnes of oil spilt
2008		7	1	2 000
2007		10	4	18 000
2006		11	4	13 000
2005		21	3	17 000
2004		16	5	15 000
2003		15	4	42 000
2002		12	3	67 000
2001		16	3	8 000
2000		19	4	14 000
1990-1999	(avge per year)	28	8	114 000
1980-1989	(avge per year)	36	9	117 600
1970-1979	(avge per year)	54	25	314 200

## SELECTED MAJOR OIL SPILLS – World outside Europe

SHIP NAME	Year	Location	Oil lost (t)
Atlantic Empress	1979	off Tobago, West Indies	287 000
ABT Summer	1991	700 miles off Angola	260 000
Castillo de Bellver	1983	off Saldanha Bay, South Africa	252 000
Odyssey	1988	700 miles off Nova Scotia, Canada	132 000
Sea Star	1972	Gulf of Oman	115 000
Hawaiian Patriot	1977	300 miles off Honolulu	95 000
Exxon Valdez	1989	Prince William Sound, Alaska	37 000

## SELECTED MAJOR OIL SPILLS – Europe

SHIP NAME	Year	Location	Oil lost (t)
Amoco Cadiz	1978	off Brittany, France	223 000
Haven	1991	Genoa, Italy	144 000
Torrey Canyon	1967	Scilly Isles, United Kingdom	119 000
Irenes Serenade	1980	Navarino Bay, Greece	100 000
Urquiola	1976	La Coruna, Spain	100 000
Independenta	1979	Bosphorus, Turkey	95 000
Jakob Maersk	1975	Oporto, Portugal	88 000
Braer	1993	Shetland Islands, United Kingdom	85 000
Prestige	2002	Cape Finistere, Spain	77 000 (*)
Aegean Sea	1992	La Coruna, Spain	74 000
Sea Empress	1996	Milford Haven, United Kingdom	72 000
Erika	1999	Brittany, France	20 000

Notes: (\*) amount in the hold.



## Notes

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European Commission

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