



European  
Commission

STATISTICAL POCKETBOOK

2016



# EU TRANSPORT

in figures

CONNECTING  
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Transport

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## Preface

Transport represents a crucial sector of the economy. This publication provides an overview of the most recent and most pertinent annual transport-related statistics in Europe. It covers the European Union and its 28 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 three parts:

- (1) a general part with general economic and other relevant data,
- (2) a transport part covering both passenger and freight transport as well as other transport-related data, and, finally,
- (3) an energy and environmental part with data on the impact which the transport sector has on the environment.

Most of the tables have data up to 2014; where available, more recent data have been provided.

The tables of this pocketbook may also be found on the Europa site at: [http://ec.europa.eu/transport/facts-fundings/statistics/index\\_en.htm](http://ec.europa.eu/transport/facts-fundings/statistics/index_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 at: <http://epp.eurostat.ec.europa.eu/>

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

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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
EUR, €	euro
DG	Directorate-General of the European Commission
dwt	deadweight ton (shipping)
GDP	Gross Domestic Product
grt	gross registered tonnage (shipping)
mio	1 million
mtow	maximum take-off weight (aircraft)
pkm	passenger-kilometre: a unit of measure: 1 passenger transported a distance of 1 kilometre
PPS	Purchasing Power Standards
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-28) (ALSO EEA MEMBERS)

	EU MEMBER STATE SINCE:	
AT	Austria	1995
BE	Belgium	1958
BG	Bulgaria	2007
CY	Cyprus	2004
CZ	Czech Republic	2004
DE	Germany	1958
DK	Denmark	1973
EE	Estonia	2004
EL	Greece	1981
ES	Spain	1986
FI	Finland	1995
FR	France	1958
HR	Croatia	2013
HU	Hungary	2004
IE	Ireland	1973
IT	Italy	1958
LT	Lithuania	2004
LU	Luxembourg	1958
LV	Latvia	2004
MT	Malta	2004
NL	Netherlands	1958
PL	Poland	2004
PT	Portugal	1986
RO	Romania	2007
SE	Sweden	1995
SI	Slovenia	2004
SK	Slovak Republic	2004
UK	United Kingdom	1973

## 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) COUNTRIES

CH	Switzerland	EFTA: 1960
----	-------------	------------

## EUROPEAN UNION CANDIDATE COUNTRIES

AL	Albania
ME	Montenegro
MK	The former Yugoslav Republic of Macedonia
RS	Serbia
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. Croatia joined EEA in 2014. The former GDR is always included in DE; unification on 3.10.1990.



PART 1

# GENERAL

99 875

15033,78

42.5%

875

4381.4

30.5

111.0

78.9

43.1

357.1

45.2

70.3

32.0

306.0

30.0

1.6

3.3

64.6

68.3

4.6

95.0

8.7

5.5

3.9

12.7

92.1

238.4

20.3

49.0

338.4

450.3

243.8

13.8

25.7

88.4

785.3

103.0

323.8

41.3

64.6

65.3

2.6

93.0

0.5

8.3

312.7

15.1

238.4

20.3

312.4

4.4

243.8

13.8

88.4

785.3

103.0

323.8

41.3

# PART 1

## SUMMARY

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## General Data

	AREA	POPULATION	GDP (NOMINAL)	GDP PER HEAD IN PPS	
	1 000 km <sup>2</sup>	million	billion EUR	EU-28 = 100	
		on 1/1/2015	2014	2013	2014
<b>EU-28</b>	<b>4 470.6</b>	<b>508.191</b>	<b>13 958.4</b>	<b>100</b>	<b>100</b>
BE	30.5	11.258	400.6	120	119
BG	111.0	7.202	42.8	46	47
CZ	78.9	10.538	154.7	83	85
DK	43.1	5.660	260.6	126	125
DE	357.1	81.174	2 915.7	124	126
EE	45.2	1.313	20.0	75	76
IE	70.3	4.626	189.0	131	134
EL	132.0	10.812	177.6	74	73
ES	506.0	46.440	1 041.2	91	91
FR	633.1	66.352	2 132.4	109	107
HR	56.6	4.225	43.0	59	59
IT	301.3	60.796	1 613.9	98	96
CY	9.3	0.847	17.4	84	82
LV	64.6	1.986	23.6	62	64
LT	65.3	2.921	36.4	73	75
LU	2.6	0.563	48.9	264	266
HU	93.0	9.849	104.2	66	68
MT	0.3	0.429	8.1	86	86
NL	41.5	16.901	662.8	133	131
AT	83.9	8.585	329.3	131	130
PL	312.7	38.006	410.8	67	68
PT	92.1	10.375	173.4	77	78
RO	238.4	19.861	150.2	54	55
SI	20.3	2.063	37.3	81	82
SK	49.0	5.421	75.6	76	77
FI	338.4	5.472	205.3	113	111
SE	450.3	9.747	430.6	125	123
UK	243.8	64.767	2 254.3	108	109
AL	28.7	2.893	10.0	29	30
ME	13.8	0.622	3.5		
MK	25.7	2.069	8.5		
RS	88.4	7.112	33.3	38	37
TR	785.3	77.696	601.2		
IS	103.0	0.329	12.8	118	119
NO	323.8	5.166	377.5	185	178
CH	41.3	8.237	528.8	164	162

**Notes:** CY: Area refers to the whole island.

FR: Area and population include the 5 French overseas departments Guyane, Martinique, Mayotte, Guadeloupe and La Réunion.

Data on GDP has been updated according to the new ESA2010 methodology when available, unless for AL and TR which are based on the national source and according to the previous ESA95.

## Growth in GDP and Industrial Production compared to the previous year

	GROWTH IN GDP Real growth				GROWTH IN INDUSTRIAL PRODUCTION (excluding construction)			
	% CHANGE				% CHANGE			
	2011	2012	2013	2014	2011	2012	2013	2014
<b>EU-28</b>	1.8	-0.5	0.2	1.4	3.2	-2.1	-0.5	1.1
BE	1.8	0.2	0.0	1.3	4.1	-2.1	0.9	1.0
BG	1.6	0.2	1.3	1.5	5.9	-0.2	-0.1	1.7
CZ	2.0	-0.9	-0.5	2.0	5.9	-0.8	0.1	5.0
DK	1.2	-0.1	-0.2	1.3	1.9	0.1	0.4	0.8
DE	3.7	0.4	0.3	1.6	7.2	-0.3	0.2	1.3
EE	7.6	5.2	1.6	2.9	19.7	1.5	4.2	2.4
IE	2.6	0.2	1.4	5.2	-0.4	-1.5	-2.2	20.9
EL	-9.1	-7.3	-3.2	0.7	-5.8	-2.1	-3.2	-2.0
ES	-1.0	-2.6	-1.7	1.4	-1.7	-6.9	-1.7	1.3
FR	2.1	0.2	0.7	0.2	2.4	-2.6	-0.6	-1.1
HR	-0.3	-2.2	-1.1	-0.4	-1.2	-5.3	-1.9	1.3
IT	0.6	-2.8	-1.7	-0.4	1.2	-6.3	-3.2	-0.6
CY	0.4	-2.4	-5.9	-2.5	-7.7	-9.5	-13.5	-0.9
LV	6.2	4.0	3.0	2.4	8.8	6.2	-0.4	-0.9
LT	6.0	3.8	3.5	3.0	6.6	3.8	3.2	0.3
LU	2.6	-0.8	4.3	4.1	2.2	-5.0	-3.2	4.4
HU	1.8	-1.7	1.9	3.7	5.7	-1.4	1.5	7.2
MT	2.0	2.9	4.0	4.1	-0.1	5.4	-5.3	-5.7
NL	1.7	-1.1	-0.5	1.0	-0.7	-0.5	0.5	-3.0
AT	2.8	0.8	0.3	0.4	6.9	-0.3	0.8	0.9
PL	5.0	1.6	1.3	3.3	6.7	1.2	2.3	3.4
PT	-1.8	-4.0	-1.1	0.9	-1.0	-6.1	0.5	1.8
RO	1.1	2.4	3.0	2.9	7.9	2.5	7.5	6.3
SI	0.6	-2.7	-1.1	3.0	2.1	-0.5	-1.4	1.7
SK	2.8	1.5	1.4	2.5	5.3	8.0	5.2	3.7
FI	2.6	-1.4	-0.8	-0.7	1.7	-1.5	-3.2	-1.9
SE	2.7	-0.3	1.2	2.3	2.6	-1.2	-4.6	-1.7
UK	2.0	1.2	2.2	2.9	-0.4	-3.1	-0.6	1.3
AL	2.5	1.4	1.1	2.0	27.1	12.9	20.4	3.6
ME	3.2	-2.7	3.5	1.8	-10.2	-7.1	10.6	-11.4
MK	2.3	-0.5	2.9	3.5	6.9	-2.8	3.2	4.8
RS	1.4	-1.0	2.6	-1.8	2.5	-2.6	6.0	-6.6
TR	8.8	2.1	4.2	2.9	9.6	2.4	3.5	3.5
IS	2.0	1.2	3.9	1.8	12.1	4.5	-4.0	1.0
NO	1.0	2.7	1.0	2.2	-4.5	2.7	-5.0	3.6
CH	1.8	1.1	1.8	1.9	2.7	2.3	0.8	1.0

**Notes:** Industrial production: includes NACE Rev. 2 Sections B, C and D. Data adjusted by working days. Data has been extracted on 17/02/16. Growth GDP section: data calculated according to the ESA2010 methodology, except ME according to ESA95 until 2011. AL (until 2008) and TR from national sources.  
Growth industrial production section: data for the 28 member states, NO, TR, RS, ME and MK provided by Eurostat. IS estimated by OECD. CH provided by OECD. AL provided by UNECE until 2009, then national source (but only for categories B+C). ME from national source until 2009.

## Employment and Unemployment

	EMPLOYMENT RATE				UNEMPLOYMENT RATE			
	%				%			
	2011	2012	2013	2014	2011	2012	2013	2014
<b>EU-28</b>	<b>64.2</b>	<b>64.1</b>	<b>64.1</b>	<b>64.8</b>	<b>9.7</b>	<b>10.6</b>	<b>11.0</b>	<b>10.4</b>
BE	61.9	61.8	61.8	61.9	7.2	7.6	8.5	8.6
BG	58.4	58.8	59.5	61.0	11.4	12.4	13.0	11.5
CZ	65.7	66.5	67.7	69.0	6.8	7.0	7.0	6.2
DK	73.1	72.6	72.5	72.8	7.7	7.7	7.2	6.8
DE	72.7	73.0	73.5	73.8	5.9	5.5	5.3	5.1
EE	65.3	67.1	68.5	69.6	12.6	10.2	8.9	7.5
IE	58.9	58.8	60.5	61.7	14.9	15.0	13.3	11.5
EL	55.1	50.8	48.8	49.4	18.1	24.7	27.7	26.7
ES	58.0	55.8	54.8	56.0	21.5	24.9	26.2	24.6
FR	63.9	64.0	64.1	63.8	8.9	9.5	9.9	10.3
HR	55.2	53.5	52.5	54.6	14.0	16.3	17.5	17.5
IT	56.8	56.6	55.5	55.7	8.5	10.8	12.3	12.9
CY	67.6	64.6	61.7	62.1	8.1	12.1	16.1	16.3
LV	60.8	63.0	65.0	66.3	16.5	15.3	12.1	11.1
LT	60.2	62.0	63.7	65.7	15.7	13.6	12.0	10.9
LU	64.6	65.8	65.7	66.6	4.9	5.2	5.9	5.9
HU	55.4	56.7	58.1	61.8	11.1	11.1	10.2	7.8
MT	57.9	59.1	60.8	62.4	6.4	6.4	6.5	5.9
NL	74.2	74.4	73.6	73.1	5.0	5.9	7.3	7.5
AT	71.1	71.4	71.4	71.1	4.6	4.9	5.4	5.7
PL	59.3	59.7	60.0	61.7	9.8	10.2	10.5	9.1
PT	63.8	61.4	60.6	62.6	13.3	16.3	17.0	14.5
RO	59.3	60.2	60.1	61.0	7.5	7.1	7.4	7.1
SI	64.4	64.1	63.3	63.9	8.3	9.0	10.3	9.9
SK	59.3	59.7	59.9	61.0	13.7	14.0	14.3	13.2
FI	69.0	69.4	68.9	68.7	7.9	7.8	8.3	8.8
SE	73.6	73.8	74.4	74.9	8.0	8.1	8.2	8.1
UK	69.3	69.9	70.5	71.9	8.2	8.1	7.7	6.3
AL	58.7	55.9	49.9	50.5	14.3	13.8	16.4	17.9
ME	45.9	47.0	47.4	50.4	19.7	19.7	19.5	18.0
MK	43.9	44.0	46.0	46.9	31.6	31.2	29.1	28.1
RS	45.4	45.2	47.3	50.4	23.0	23.9	22.1	20.1
TR	48.4	48.9	49.5	49.5	9.0	8.3	8.9	10.1
IS	78.5	79.7	81.1	82.9	7.1	6.1	5.5	5.1
NO	75.3	75.7	75.4	75.2	3.3	3.2	3.5	3.6
CH	79.3	79.4	79.6	79.8	4.1	4.3	4.5	4.7

**Notes:** Employment rate: persons in employment as a percentage of the population of working age (15- 64 years).

Unemployment rate: persons unemployed as a percentage of the active population (between 15 and 64 years old).

## 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
	2014			2014		
<b>EU-28</b>	<b>1.6</b>	<b>24.4</b>	<b>74.0</b>	<b>5.0</b>	<b>21.9</b>	<b>73.1</b>
BE	0.7	22.1	77.2	1.3	18.3	80.4
BG	5.3	27.2	67.6	19.4	25.0	55.6
CZ	2.7	38.0	59.3	3.3	36.8	59.9
DK	1.6	22.8	75.6	2.6	17.2	80.2
DE	0.7	30.3	69.0	1.5	24.6	73.9
EE	3.4	28.1	68.4	3.7	28.8	67.4
IE	1.6	25.6	72.8	5.7	18.3	76.0
EL	3.8	15.8	80.4	12.3	13.8	73.9
ES	2.5	22.4	75.1	4.0	17.7	78.2
FR	1.7	19.4	78.9	2.8	17.6	79.6
HR	4.3	26.3	69.4	9.5	26.9	63.6
IT	2.2	23.5	74.3	3.7	23.9	72.4
CY	2.3	10.8	86.9	4.2	15.6	80.2
LV	3.3	23.4	73.4	7.4	23.7	68.8
LT	3.4	30.5	66.0	9.2	24.7	66.1
LU	0.3	11.9	87.8	1.2	19.5	79.4
HU	4.5	31.2	64.4	6.6	27.5	65.9
MT	1.4	15.8	82.8	1.7	19.4	78.9
NL	1.8	21.2	77.0	2.2	14.9	82.9
AT	1.4	28.0	70.6	4.4	23.0	72.5
PL	2.9	32.5	64.6	11.5	30.2	58.3
PT	2.3	21.5	76.1	11.3	22.8	65.9
RO	5.3	36.2	58.4	29.4	28.6	42.0
SI	2.2	33.1	64.7	8.3	29.3	62.4
SK	4.4	33.6	62.0	3.3	31.1	65.6
FI	2.8	26.5	70.7	4.5	22.5	73.0
SE	1.4	26.0	72.6	2.3	20.6	77.1
UK	0.7	20.9	78.4	1.4	15.6	83.0
AL	22.9	25.1	52.0	42.7	17.4	39.9
ME	10.0	17.7	72.3	5.6	17.6	76.9
MK	11.6	25.2	63.1	18.5	30.4	51.1
RS	9.3	30.2	60.5	21.1	24.5	54.5
TR	8.0	27.1	64.9	21.1	27.9	51.0
IS	6.0	23.6	70.4	4.5	18.1	77.4
NO	1.6	38.3	60.1	2.5	20.6	76.9
CH	0.8	26.3	73.0	3.6	22.2	74.3

**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 value added: based on NACE 2 classification (ISIC rev. 4).

Preliminary or estimated data for EL, ES, CY, MT, NL, PT, RO, CH, MK, AL.

Share of employment: based on NACE 2 classification (ISIC rev. 4).

Preliminary or estimated data for EL, ES, BG, NL, MT, PT, RO, CY.

## Population

	AT 1 JANUARY							change '14/'15
	million							
	1990	1995	2000	2005	2010	2014	2015	
<b>EU-28</b>	<b>475.161</b>	<b>483.163</b>	<b>486.830</b>	<b>494.598</b>	<b>503.171</b>	<b>506.881</b>	<b>508.191</b>	<b>0.3</b>
BE	9.948	10.131	10.239	10.446	10.840	11.204	11.258	0.5
BG	8.767	8.427	8.191	7.689	7.422	7.246	7.202	-0.6
CZ	10.362	10.333	10.278	10.199	10.462	10.512	10.538	0.2
DK	5.135	5.216	5.330	5.411	5.535	5.617	5.660	0.8
DE	79.113	81.539	82.163	82.501	81.802	80.767	81.174	0.5
EE	1.571	1.448	1.401	1.359	1.333	1.316	1.313	-0.2
IE	3.507	3.598	3.778	4.112	4.549	4.606	4.626	0.4
EL	10.121	10.536	10.776	10.970	11.119	10.927	10.812	-1.0
ES	38.826	39.343	40.050	43.296	46.487	46.512	46.440	-0.2
FR	56.577	59.315	60.545	62.773	64.659	65.836	66.352	0.8
HR	4.773	4.659	4.498	4.311	4.303	4.247	4.225	-0.5
IT	56.694	56.844	56.924	57.875	59.190	60.783	60.796	0.0
CY	0.573	0.645	0.690	0.733	0.819	0.858	0.847	-1.3
LV	2.668	2.501	2.382	2.250	2.121	2.001	1.986	-0.8
LT	3.694	3.643	3.512	3.355	3.142	2.943	2.921	-0.8
LU	0.379	0.406	0.434	0.461	0.502	0.550	0.563	2.4
HU	10.375	10.337	10.222	10.098	10.014	9.877	9.849	-0.3
MT	0.352	0.369	0.380	0.403	0.414	0.425	0.429	0.9
NL	14.893	15.424	15.864	16.306	16.575	16.829	16.901	0.4
AT	7.645	7.943	8.002	8.201	8.352	8.507	8.585	0.9
PL	38.038	38.581	38.263	38.174	38.023	38.018	38.006	0.0
PT	9.996	10.009	10.249	10.495	10.573	10.427	10.375	-0.5
RO	23.211	22.712	22.455	21.382	20.295	19.947	19.861	-0.4
SI	1.996	1.989	1.988	1.998	2.047	2.061	2.063	0.1
SK	5.288	5.356	5.399	5.373	5.390	5.416	5.421	0.1
FI	4.974	5.099	5.171	5.237	5.351	5.451	5.472	0.4
SE	8.527	8.816	8.861	9.011	9.341	9.645	9.747	1.1
UK	57.157	57.943	58.785	60.182	62.510	64.351	64.767	0.6
AL	3.287	3.249	3.058	3.135		2.896	2.893	-0.1
ME		0.633	0.603	0.613	0.619	0.622	0.622	0.1
MK	1.873	1.957	2.022	2.035	2.053	2.066	2.069	0.2
RS		7.625	7.528	7.456	7.307	7.147	7.112	-0.5
TR	55.495	61.204	66.889	68.010	72.561	76.668	77.696	1.3
IS	0.254	0.267	0.279	0.294	0.318	0.326	0.329	1.1
LI	0.028	0.031	0.032	0.035	0.036	0.037	0.037	0.6
NO	4.233	4.348	4.478	4.606	4.858	5.108	5.166	1.1
CH	6.674	7.019	7.164	7.415	7.786	8.140	8.237	1.2

**Notes:** DE: population: includes DE-E: 1970=17.1, 1980=16.7, 1990=16.1  
 CY: from 1975 onwards: government-controlled area only.  
 FR: as from 1991, it includes the 4 French overseas departments  
 and as from 2015 it includes Mayotte as well.

## Member States External Trade of Goods IMPORTS

YEAR 2014 (VALUE = billion EUR)

	IMPORTS FROM:								
	WORLD	EU-28	EXTRA-EU-28	OF WHICH:					
				CANDIDATE 5	EFTA	USA	JAPAN	RUSSIA	CHINA
<b>EU-28</b>	4540.162	2851.433	1688.728	66.010	185.352	206.456	56.607	182.370	302.143
BE	342.215	222.487	119.728	3.716	9.238	25.203	7.355	10.637	13.639
BG	26.118	16.112	10.006	2.051	0.192	0.279	0.084	3.963	0.865
CZ	116.203	89.939	26.263	1.054	0.973	1.890	0.939	4.148	7.156
DK	74.783	51.919	22.864	0.825	5.721	1.934	0.291	0.942	5.179
DE	908.575	594.814	313.760	14.645	53.484	37.026	14.520	36.206	60.922
EE	13.775	11.258	2.517	0.048	0.191	0.149	0.031	0.873	0.606
IE	55.016	37.814	17.202	0.335	2.187	5.984	1.437	0.215	2.192
EL	48.004	23.281	24.723	1.642	0.585	0.664	0.200	4.832	2.492
ES	270.173	154.838	115.334	4.119	5.807	8.621	1.985	5.945	16.529
FR	509.299	344.634	164.665	5.609	17.413	25.538	4.217	9.910	25.451
HR	17.154	13.071	4.083	0.639	0.206	0.152	0.020	0.857	0.443
IT	356.939	203.890	153.049	8.656	11.629	12.477	2.703	17.276	25.075
CY	5.089	3.634	1.455	0.026	0.045	0.068	0.038	0.029	0.221
LV	13.285	10.700	2.585	0.103	0.156	0.074	0.013	1.039	0.355
LT	25.889	16.982	8.907	0.149	0.213	0.320	0.027	5.348	0.666
LU	20.099	16.085	4.014	0.038	0.091	1.430	0.192	0.013	1.193
HU	78.978	59.376	19.602	1.159	0.483	1.381	0.888	5.404	4.813
MT	5.132	3.218	1.914	0.141	0.085	0.416	0.049	0.015	0.147
NL	443.689	203.356	240.333	3.301	22.153	29.918	9.608	25.053	57.017
AT	137.001	105.246	31.755	1.819	7.817	2.923	0.805	2.153	4.893
PL	168.366	117.267	51.099	1.684	2.421	2.738	1.070	17.060	10.558
PT	58.976	44.102	14.874	0.421	0.333	0.918	0.251	0.711	1.599
RO	58.555	44.126	14.428	2.385	0.585	0.681	0.230	2.289	2.354
SI	25.551	17.656	7.895	1.547	0.340	0.323	0.072	0.428	1.131
SK	61.689	46.920	14.768	0.702	0.341	0.359	0.294	4.780	2.476
FI	57.769	39.356	18.413	0.290	1.875	1.483	0.278	8.576	1.856
SE	122.105	83.950	38.155	1.157	10.471	3.104	1.328	6.211	6.540
UK	519.733	275.399	244.335	7.748	30.317	40.405	7.681	7.457	45.774

**Notes:** Candidate 5: Albania, Serbia, the former Yugoslav Republic of Macedonia, Montenegro and Turkey.

EFTA: Iceland, Liechtenstein, Norway, Switzerland.



## Member States External Trade of Goods EXPORTS

YEAR 2014 (VALUE = billion EUR)

	EXPORTS TO:								
	WORLD	EU-28	EXTRA-EU-28	OF WHICH:					
				CANDIDATE 5	EFTA	USA	JAPAN	RUSSIA	CHINA
<b>EU-28</b>	4 632.802	2 930.739	1 702.063	92.162	193.920	310.931	53.286	103.203	164.623
BE	355.528	251.444	104.084	5.156	6.592	19.112	3.059	4.092	7.498
BG	22.044	13.765	8.279	2.811	0.159	0.310	0.028	0.527	0.533
CZ	131.799	108.377	23.422	2.151	2.680	2.948	0.772	4.105	1.542
DK	83.468	53.020	30.448	0.857	6.656	5.675	1.521	1.153	2.922
DE	1 125.034	648.594	476.440	22.094	55.388	96.479	17.086	29.231	74.889
EE	12.083	8.730	3.352	0.136	0.534	0.452	0.060	1.187	0.139
IE	89.505	49.159	40.346	0.509	5.617	19.887	1.760	0.718	1.519
EL	27.221	13.097	14.124	4.752	0.151	0.807	0.045	0.357	0.275
ES	244.287	155.794	88.493	5.270	4.699	10.653	2.612	2.583	4.059
FR	436.937	262.623	174.313	6.436	14.696	27.636	6.844	6.808	16.190
HR	10.431	6.618	3.813	0.896	0.178	0.217	0.035	0.275	0.051
IT	398.870	218.824	180.047	12.854	20.808	29.756	5.357	9.503	10.494
CY	1.364	0.772	0.592	0.008	0.019	0.047	0.001	0.014	0.039
LV	10.957	7.505	3.452	0.147	0.299	0.119	0.034	1.606	0.108
LT	24.361	13.358	11.003	0.183	0.669	0.905	0.037	5.081	0.102
LU	14.485	11.961	2.524	0.135	0.694	0.357	0.058	0.129	0.200
HU	83.266	66.612	16.655	2.877	0.953	2.340	0.407	2.069	1.408
MT	2.206	1.104	1.101	0.021	0.025	0.118	0.106	0.003	0.023
NL	506.339	384.230	122.109	5.932	11.056	19.542	3.451	6.611	8.450
AT	134.173	93.774	40.398	1.975	7.881	7.483	1.246	3.988	2.981
PL	165.715	128.290	37.424	3.122	4.252	3.626	0.492	7.006	1.683
PT	48.105	34.099	14.006	0.415	0.590	2.110	0.125	0.204	0.839
RO	52.493	37.311	15.182	3.144	0.877	0.976	0.211	1.452	0.567
SI	27.075	20.379	6.696	1.462	0.440	0.456	0.036	1.129	0.215
SK	65.081	54.909	10.172	1.175	1.266	1.256	0.102	2.130	1.375
FI	55.973	32.081	23.892	0.703	2.297	3.822	1.017	4.638	2.564
SE	123.720	72.248	51.472	1.578	14.506	8.347	1.543	2.427	4.383
UK	380.282	182.059	198.223	5.360	29.939	45.496	5.242	4.177	19.577

**Notes:** Candidate 5: Albania, Serbia, the former Yugoslav Republic of Macedonia, Montenegro and Turkey.

EFTA: Iceland, Liechtenstein, Norway and Switzerland.

## Comparison EU-28 – World

### GENERAL DATA

#### DATA FOR 2014

	EU-28	USA	JAPAN	CHINA	RUSSIA
<b>Population</b> million	507.54	318.86	127.13	1364.27	143.82
<b>Population growth</b> % change since previous year	0.3	0.7	-0.2	0.5	0.2
<b>Urban population</b> % of total	75	81	93	54	74
<b>Area</b> 1 000 km <sup>2</sup>	4 471	9 629	378	9 597	17 075
<b>Population density</b> Persons/km <sup>2</sup>	114	33	336	142	8
<b>GDP (nominal)</b> billion EUR	13 958	13 129	3 468	7 805	1 402
<b>Real GDP growth</b> %	1.4	2.4	-0.1	7.3	0.6
<b>Relative GDP per capita</b> in PPP (EU-28 = 100)	100	150	100	36	71
<b>Exports of goods</b> billion EUR	1 702	1 231	528	1 691	375
<b>Imports of goods</b> billion EUR	1 689	1 789	603	1 363	232

**Notes:** EU-28: area, population: including French overseas departments.  
EU-28: trade: only extra-EU trade.

PART 2

# TRANSPORT



**PART 2**  
**SUMMARY**

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## Statistical Overview EU Transport

### Gross Value Added:

With around €633 billion in Gross Value Added (GVA) at current prices, the transport and storage services sector (including postal and courier activities) accounted for about 5.1% of total GVA in the EU-28 in 2014 <sup>(1)</sup>. 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 2014, the transport and storage services sector (including postal and courier activities) in the EU-28 employed around 11 million persons <sup>(2)</sup>, some 5.1% of the total workforce <sup>(3)</sup>. Around 53% of them worked in land transport (road, rail and pipelines), 3% in water transport (sea and inland waterways), 4% in air transport and 25% in warehousing and supporting and transport activities (such as cargo handling, storage and warehousing) and the remaining 16% in postal and courier activities.

### Household expenditure:

In 2014, it is estimated that private households in the EU-28 spent €1001 billion or roughly 13% of their total consumption on transport-related items. Close to 26% of this sum (around €265 billion) was used to purchase vehicles, more than half (€522 billion) was spent on the operation of personal transport equipment (e.g. to buy fuel for the car) and the rest (€213 billion) was spent for transport services (e.g. bus, train, plane tickets).

### Goods transport:

In 2014 total goods transport activities in the EU-28 are estimated to amount to 3524 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 49% of this total, rail for 11.7%, inland waterways for 4.3% and oil pipelines for 3.2%. Intra-EU maritime transport was the second most important mode with a share of 31.8% while intra-EU air transport only accounted for 0.1% of the total.

### Passenger transport:

In 2014, total passenger transport activities in the EU-28 by any motorized means of transport are estimated to amount to 6591 billion pkm or on average around 12985 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 72.3% of this total, powered two-wheelers for 1.9%, buses & coaches for 8%, railways for 6.5% and tram and metro for 1.5%. Intra-EU air and intra-EU maritime transport contributed for 9.2% and 0.6% respectively.

- Notes:** (1) It is estimated that the transport share amounts of 4.5% of total GVA if postal and courier activities are not included.  
(2) Figures on number of persons employed in transport, total workforce and shares per mode based on Eurostat Labour Force Survey (age 15-64 years).  
(3) 4.3% of total employment if postal and courier activities are not included.

## Statistical Overview EU Transport

### Safety:

**Road:** 25 974 persons were killed in road accidents (fatalities within 30 days) in 2014, 0.1 % more than in 2013 (when 25 956 people lost their lives). In comparison with 2001, the number of road fatalities was lower by more than half (-52.7 %).

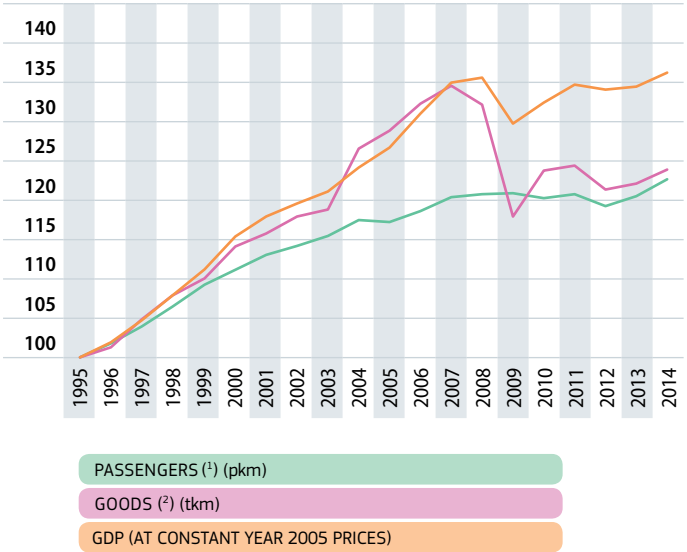
**Rail:** 15 passengers lost their lives in 2014; this figure does not include casualties among railway employees or other people run over by trains.

**Air:** 150 lives were lost in 2015.

## Transport Growth EU-28

YEAR  
1995  
= 100

PASSENGERS, GOODS, GDP 1995–2014



**Notes:** (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.  
GDP: at constant year 2005 prices and exchange rates.

### ANNUAL GROWTH RATES EU-28

	1995–2014 p.a.	2000–2014 p.a.	2013–2014
GDP at year 2005 prices and exchange rates	1.6%	1.2%	1.4%
Passenger transport (pkm)	1.1%	0.7%	1.8%
Freight transport (tkm)	1.1%	0.6%	1.4%

## 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	130	0.5
DE	50	100	(130)	0.5
EE	50	90-110	-	0.2
IE	50	80-100	120	0.5
EL	50	90-110	130	0.5
ES	50	90-100	120	0.5
FR	50	80-110	110-130	0.5
HR	50	90-110	130	0.5
IT	50	90-110	130	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	110-130	0.5
HU	50	90-110	130	0.0
MT	50	80	-	0.8
NL	50	80-100	130	0.5
AT	50	100	130	0.5
PL	50-60	90-120	140	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
FI	40-50	80-100	100-120	0.5
SE	50	70	110	0.2
UK	32-48	96-112	112	0.8
AL	40	80-90	110	0.5
ME	50	80-100	130	0.5
MK	60	80-100	120	0.5
RS	50	80-100	120	0.3
TR	50	90-110	120	0.5
IS	50	80-90	-	0.5
NO	50	80	90-100	0.2
CH	50	80-100	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 (Sweden since 3 September 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 the 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 if the operator so requests.

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

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

**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		ARTICU- LATED VEHI- CLES
			2 axles	3 axles	4 axles	5 axles and more	5 axles and more
BE	10	12	19	26	39	44	44 <sup>(2)</sup>
BG	10	11.5	18	26 <sup>(1)</sup>	36	40	40
CZ	10	11.5	18	26 <sup>(1)</sup>	36	44 <sup>(1)</sup>	42 - 48
DK	10	10/11.5 <sup>(3)</sup>	18	24/26 <sup>(1)(3)</sup>	38	42 - 48	42 - 48
DE	10	11.5	18	26 <sup>(1)</sup>	36	40	40
EE	10	11.5	18	26 <sup>(1)</sup>	36 <sup>(10)</sup>	40 <sup>(11)</sup>	40
IE	10	11.5 <sup>(7)</sup>	18	26 <sup>(1)</sup>	36	44 <sup>(1)</sup>	44 <sup>(1)</sup>
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
HR	10	11.5	18	24	36	40	40
IT	12	12	18	26 <sup>(1)</sup>	40	44	44
CY	10	11,5	18	25	36	40	40 <sup>(6)</sup>
LV	10	11.5	18	26 <sup>(1)</sup>	40	40	40
LT	10	11.5	18	26 <sup>(1)</sup>	36	40	40 - 44 <sup>(8)</sup>
LU	10	12 <sup>(9)</sup>	19	26	44	44	44
HU	10	11.5	18	25	30	40	40 <sup>(6)</sup>
MT	10	11.5	18	25	36	40	40 <sup>(6)</sup>
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 <sup>(1)</sup>	36	40	40
PT	10	12	19	26	37 <sup>(10)</sup>	40	40
RO	10	11.5	18	25	36	40	40
SI	10	11.5	18	26 <sup>(1)</sup>	36	40	40
SK	10	11.5	18	26 <sup>(1)</sup>	36	40	40
FI	10	11.5	18	26 <sup>(1)</sup>	36	44 - 60 <sup>(4)</sup>	42 - 48
SE	10	11.5	18	26 <sup>(1)</sup>	38	48 - 60 <sup>(5)</sup>	48 - 60 <sup>(5)</sup>
UK	10	11.5	18	26 <sup>(1)</sup>	36	40	40 - 44 <sup>(8)</sup>
AL	10	11.5 <sup>(12)</sup>	18	26 <sup>(1)</sup>	36	40	44
ME	10	11.5	18	26 <sup>(1)</sup>	36	40	40 - 44 <sup>(8)</sup>
MK	10	11.5	18	24	31	40	40
RS	10	11.5	18	26	32	40	40
TR	10	11.5	18	25/26	36	40	40 - 44 <sup>(8)</sup>
IS	10	11.5	18	26 <sup>(1)</sup>	36	40	44
NO	10	11.5	19	26	37	42	44
CH	10	11.5	18	26 <sup>(1)</sup>	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.
- (11) 44t for 3 and + axles tractor + 3 and + axles trailer.
- (12) Weight per drive axle: national traffic = 10t; international traffic = 11.5t; Lorry 3 axles: national traffic = 24t; international traffic = 26t.

## Employment by Mode of Transport (\*) (in 1 000) – 2013

	TOTAL	ROAD freight transport	ROAD passenger transport (**)	Railways	Pipelines	Inland water transport	Sea transport	Air transport	Warehousing and support activities	Postal and courier activities
EU-28	10521.3	2938.0	1991.4	559.6	28.5	40.3	164.8	350.2	2 635.8	1 812.6
BE	215.0	59.9	18.3	1.9	0.1	1.0	1.8	5.3	90.2	36.4
BG	155.5	55.7	32.5	10.9	0.3	0.7	1.6	2.0	32.2	19.5
CZ	262.9	113.9	37.5	27.8	0.6	0.6	0.0	2.5	39.0	41.0
DK	147.3	32.8	23.3	6.7	0.1	0.2	21.1	9.2	30.6	23.5
DE	2 062.4	409.9	385.3	48.1	3.3	8.1	21.3	57.8	625.7	502.9
EE	37.8	15.1	3.8	1.7	0.0	0.1	0.8	0.3	12.4	3.6
IE	79.9	19.8	16.0	2.9	0.0	0.0	0.7	9.5	14.4	16.6
EL	166.6	34.8	67.4	1.0	0.2	0.0	13.2	2.4	35.6	12.0
ES	824.6	305.8	174.0	13.8	2.0	0.4	6.4	28.8	209.9	83.5
FR	1 378.5	351.8	256.7	169.4	4.9	2.3	13.1	65.0	259.3	256.0
HR	77.2	20.1	10.5	4.2	0.5	0.3	4.1	2.8	22.9	11.7
IT	1 059.7	304.9	166.8	41.1	2.2	2.5	25.6	22.0	333.6	161.0
CY	17.9	1.9	3.1	0.0	0.0	0.0	1.9	1.0	8.7	1.3
LV	74.9	23.9	13.0	3.7	0.2	0.1	0.8	1.3	26.2	5.6
LT	108.7	52.8	14.8	10.8	0.0	0.1	1.4	0.5	19.5	8.7
LU	19.8	7.6	5.0	1.0	0.0	0.3	0.0	1.2	3.4	1.3
HU	216.3	65.1	48.0	11.6	0.9	0.9	0.0	0.9	52.3	36.5
MT	9.9	1.1	1.8	0.0	0.0	0.0	1.1	0.6	4.3	1.0
NL	409.0	113.5	60.0	20.0	0.1	13.8	12.8	25.1	85.3	78.4
AT	206.8	57.9	55.5	11.5	0.5	0.5	0.0	6.6	49.5	24.9
PL	720.8	293.6	131.7	55.3	3.6	1.3	1.9	5.1	130.1	98.2
PT	147.8	58.8	33.2	0.6	0.1	0.6	0.7	10.7	28.5	14.6
RO	337.5	113.8	78.4	31.7	6.6	2.2	0.4	4.0	60.6	39.8
SI	43.4	20.4	5.1	0.7	0.6	0.3	0.2	0.6	8.2	7.3
SK	121.9	38.9	18.0	12.9	0.9	0.5	0.0	0.3	34.6	15.9
FI	148.0	45.5	33.0	8.6	0.2	0.6	8.2	4.7	29.3	21.9
SE	270.0	75.9	68.8	10.3	0.0	1.5	13.3	9.0	48.3	42.8
UK	1 205.1	242.5	229.9	59.6	0.9	1.1	12.4	71.0	341.2	246.5

**Notes:** (\*) Data refer to transportation and storage activities (including postal and courier services, removal services). Data are based on Structural Business Statistics and therefore total transport employment differs from value on Overview 2.1.1. The values above in italics are not from ESTAT or other official source, but are merely indicative estimates made by DG MOVE.

(\*\*) Including all urban and suburban land transport modes (motor bus, tramway, streetcar, trolley bus, underground and elevated railways).

The above figures refer to those companies whose main activity lies in the mode concerned. Economic activity according to NACE Rev. 2 classification.

## Number of Enterprises by Mode of Transport (\*) – 2013

	TOTAL	ROAD freight transport	ROAD passenger transport (**)	Railways	Pipelines	Inland water transport	Sea transport	Air transport	Warehousing and support activities	Postal and courier activities
EU-28	1 134 016	563 598	344 141	865	244	9 600	11 641	4 366	139 242	60 300
BE	18 425	8 201	2 848	10	32	322	127	286	3 547	3 035
BG	19 461	10 575	5 998	13	3	24	26	46	2 063	715
CZ	38 944	30 739	3 410	28	2	89	2	39	4 328	307
DK	11 246	5 150	2 913	16	5	21	303	63	1 384	1 391
DE	90 871	35 852	24 848	151	36	936	2 175	519	15 952	10 403
EE	4 761	2 873	459	7	0	5	37	9	1 282	89
IE	9 124	3 939	1 873	9	0	0	50	53	1 189	2 011
EL	63 814	19 351	35 030	9	3	0	2 645	22	6 357	401
ES	193 638	108 173	62 157	10	9	69	282	111	16 387	6 440
FR	103 315	37 676	49 770	51	74	1 081	772	588	10 324	2 978
HR	8 839	5 891	1 254	6	2	15	592	30	1 005	44
IT	129 865	72 723	29 791	25	12	981	728	227	23 036	2 342
CY	3 008	895	1 174	0	0	0	58	1	697	183
LV	6 560	3 310	975	26	1	19	46	21	1 901	261
LT	10 776	4 891	3 259	5	0	14	11	14	1 800	782
LU	969	461	208	1	0	26	0	19	200	54
HU	26 730	14 149	7 687	33	8	110	12	85	3 536	1 110
MT	1 308	404	531	0	0	0	83	3	254	25
NL	37 689	11 156	6 591	30	16	4 367	909	353	6 681	7 586
AT	13 957	6 570	5 287	27	6	93	0	178	1 344	452
PL	135 210	77 141	42 789	142	5	374	263	297	10 979	3 220
PT	22 396	8 287	11 089	4	1	35	192	68	2 288	432
RO	36 127	22 622	9 589	86	3	125	58	70	2 509	1 065
SI	8 432	5 561	1 022	7	3	37	38	66	1 136	562
SK	16 389	8 105	4 413	12	7	26	0	20	3 295	511
FI	22 129	10 370	9 001	5	2	79	252	82	1 980	358
SE	29 486	15 006	8 802	55	0	478	767	298	3 645	435
UK	70 547	33 527	11 373	97	14	274	1 213	798	10 143	13 108

**Notes:** (\*) Data refer to transportation and storage activities (including postal and courier services, removal services). The values above in italics are not from ESTAT or other official source, but are merely indicative estimates made by DG MOVE.

(\*\*) Including all urban and suburban land transport modes (motor bus, tramway, streetcar, trolley bus, underground and elevated railways).

The above figures refer to those companies whose main activity lies in the mode concerned. Economic activity according to NACE Rev. 2 classification.

## Turnover by Mode of Transport (\*)

### 2013 (million EUR)

	TOTAL	ROAD freight transport	ROAD passenger transport (**)	Railways	Pipelines	Inland water transport	Sea transport	Air transport	Warehousing and support activities	Postal and courier activities
EU-28	1372792	311181	124766	73108	17098	7113	105809	138184	486113	109400
BE	48182	10990	1359	3032	183	512	2653	3460	22339	3655
BG	5728	2904	475	191	98	39	56	381	1314	270
CZ	21077	7486	1327	1515	140	29	2	1003	8404	1172
DK	49764	5453	2350	1169	25	71	25394	3033	10145	2127
DE	268368	39194	27874	11067	3565	2137	26411	20736	109000	28384
EE	5118	1259	160	164	0	29	501	127	2786	92
IE	17223	2855	980	296	0	0	454	7444	3748	1446
EL	11478	2668	2054	261	38	0	1567	985	3219	685
ES	94770	29996	8809	2081	1825	20	1722	8373	37912	4033
FR	205926	43679	19256	20929	2513	765	14467	21128	70865	12325
HR	3612	1204	322	162	33	92	285	200	1086	229
IT	147723	42562	11766	6054	3147	180	11735	11459	51026	9795
CY	2332	129	145	0	0	0	150	162	1691	56
LV	5286	1389	195	449	70	19	68	345	2657	95
LT	7614	3260	259	464	0	2	173	139	3193	123
LU	4886	1201	581	2	0	30	0	1938	934	200
HU	15220	4813	1559	690	401	91	0	1141	5696	829
MT	1149	103	111	0	0	0	129	119	658	28
NL	75579	19275	4062	3254	436	2136	5545	10920	24744	5207
AT	40735	9087	4117	2899	938	115	0	3643	17323	2613
PL	41833	20281	3653	2607	938	245	371	1839	9935	1965
PT	17520	4796	1147	119	151	43	369	3913	6257	878
RO	12837	6083	1110	867	415	115	43	479	3076	650
SI	4726	2118	246	237	40	2	34	215	1540	294
SK	7847	2961	370	1020	210	35	0	45	2656	552
FI	22946	6024	2240	827	165	113	1810	2997	6399	2371
SE	49090	11191	8015	2019	0	159	3562	3572	17526	3047
UK	185328	28222	20642	12235	1012	135	8311	28386	60389	25996

**Notes:** (\*) Data refer to transportation and storage activities (including postal and courier services, removal services). The values above in italics are not from ESTAT or other official source, but are merely indicative estimates made by DG MOVE.

(\*\*) Including all urban and suburban land transport modes (motor bus, tramway, streetcar, trolley bus, underground and elevated railways).

The above figures refer to those companies whose main activity lies in the mode concerned. Economic activity according to NACE Rev. 2 classification.

## Final Consumption of Households for Transport

### BY TYPE OF EXPENDITURE – 2014

	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		
		million EUR				
<b>EU-28</b>	<b>1 001 839</b>	<b>265 216</b>	<b>522 766</b>	<b>213 857</b>	<b>13.0</b>	<b>2 000</b>
BE	22 406	6 025	14 135	2 247	11.4	2 000
BG	4 432	922	2 052	1 458	15.4	600
CZ	7 318	2 436	3 645	1 237	9.5	700
DK	13 836	4 235	7 861	1 740	11.4	2 500
DE	213 480	66 102	95 761	51 617	14.2	2 600
EE	1 320	233	841	247	12.6	1 000
IE	10 232	2 708	4 627	2 897	12.7	2 200
EL	17 878	4 038	6 227	7 613	13.6	1 600
ES	71 812	17 039	42 596	12 177	11.5	1 500
FR	148 669	38 413	84 143	26 114	13.0	2 253
HR	3 088	817	1 611	659	13.0	729
IT	119 076	23 314	77 375	18 386	12.0	2 000
CY	1 244	271	770	204	9.3	1 500
LV	1 621	250	1 060	312	11.3	800
LT	3 439	534	2 414	491	15.0	1 200
LU	2 830	851	1 849	129	15.9	5 086
HU	7 351	1 372	5 005	974	13.7	700
MT	648	143	362	142	12.6	1 500
NL	36 408	8 653	21 737	6 018	12.6	2 200
AT	22 253	5 571	12 551	4 131	12.5	2 600
PL	29 571	8 173	17 443	3 956	12.1	800
PT	14 367	4 112	8 168	2 087	12.2	1 400
RO	10 664	1 861	6 075	2 728	11.3	536
SI	3 413	647	2 525	241	16.2	1 700
SK	3 199	592	1 455	1 152	7.6	600
FI	12 937	3 164	7 446	2 327	12.0	2 400
SE	24 231	6 748	12 037	5 447	12.6	2 500
UK	194 115	55 992	80 997	57 127	14.1	3 000

## EU-28 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
2015	120.9	122.5	104.0	103.4	110.0
2014	120.9	125.9	103.4	102.9	108.8
2013	120.2	126.0	102.8	102.3	108.0
2012	118.4	125.5	102.6	102.2	107.1
2011	115.4	121.0	102.3	101.9	106.7
2010	111.9	114.3	101.7	101.4	105.1
2009	109.6	108.4	101.2	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

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
2015	126.8	122.6	123.1	134.9	121.9
2014	133.8	122.8	138.5	132.7	120.5
2013	135.2	122.3	143.2	129.9	118.9
2012	135.6	121.3	146.3	126.9	116.8
2011	129.2	118.6	136.7	123.7	114.8
2010	119.2	115.5	120.3	120.2	112.9
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

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
2015	144.0	142.6	138.7	134.4	153.7	141.7	113.3
2014	141.7	141.1	136.3	132.4	148.7	138.7	112.9
2013	138.8	138.1	133.9	131.3	144.6	135.1	112.2
2012	134.4	134.2	130.8	126.2	144.5	130.6	111.7
2011	128.1	128.5	125.7	120.3	140.3	124.5	109.8
2010	121.3	123.9	120.9	112.2	128.9	119.5	108.8
2009	117.2	118.0	117.9	110.0	128.0	116.5	109.4
2008	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

## EU-28 External Trade by Mode of Transport 2014

### VALUE (billion EUR)

	PARTNER: EXTRA-EU-28				EXPORT + IMPORT	
	EXPORT		IMPORT			
Sea	833.6	49.0%	910.1	53.9%	1 743.7	51.4%
Road	324.7	19.1%	225.5	13.4%	550.1	16.2%
Rail	21.0	1.2%	20.0	1.2%	41.0	1.2%
Inland waterway	4.5	0.3%	2.4	0.1%	6.9	0.2%
Pipeline	3.6	0.2%	105.1	6.2%	108.8	3.2%
Air	460.4	27.0%	317.7	18.8%	778.1	22.9%
Self propulsion	47.2	2.8%	16.3	1.0%	63.5	1.9%
Post	0.8	0.0%	1.5	0.1%	2.3	0.1%
Unknown	6.4	0.4%	90.1	5.3%	96.5	2.8%
<b>TOTAL</b>	<b>1 702.1</b>	<b>100.0%</b>	<b>1 688.7</b>	<b>100.0%</b>	<b>3 390.8</b>	<b>100.0%</b>

### WEIGHT (million tonnes)

	PARTNER: EXTRA-EU-28				EXPORT + IMPORT	
	EXPORT		IMPORT			
Sea	511.9	79.4%	1 192.4	72.9%	1 704.2	74.8%
Road	86.3	13.4%	60.8	3.7%	147.1	6.5%
Rail	18.0	2.8%	70.7	4.3%	88.8	3.9%
Inland waterway	8.6	1.3%	8.7	0.5%	17.3	0.8%
Pipeline	3.0	0.5%	247.1	15.1%	250.0	11.0%
Air	15.4	2.4%	4.3	0.3%	19.7	0.9%
Self propulsion	0.6	0.1%	2.6	0.2%	3.2	0.1%
Post	0.0	0.0%	0.0	0.0%	0.0	0.0%
Unknown	0.7	0.1%	48.5	3.0%	49.2	2.2%
<b>TOTAL</b>	<b>644.4</b>	<b>100.0%</b>	<b>1 635.2</b>	<b>100.0%</b>	<b>2 279.6</b>	<b>100.0%</b>

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

## Environmental Taxes and Transport AS % OF GDP – TRANSPORT FUEL TAXES (\*)

	%						RANKING IN 2014
	2005	2010	2011	2012	2013	2014	
<b>EU-28</b>		1.4	1.3	1.3	1.3	1.3	
BE	1.3	1.2	1.2	1.1	1.1	1.1	25
BG		2.4	2.3	2.3	2.4	2.3	2
CZ	2.2	1.9	1.9	1.8	1.8	1.8	9
DK	1.2	1.0	1.0	0.9	0.9	0.9	28
DE	1.5	1.4	1.3	1.3	1.2	1.2	20
EE	1.8	2.1	2.1	2.0	1.9	1.9	6
IE	1.2	1.2	1.2	1.1	1.1	1.0	26
EL	1.1	1.7	1.8	1.9	1.8	1.9	7
ES	1.3	1.1	1.0	1.0	1.2	1.1	22
FR	1.3	1.2	1.2	1.1	1.1	1.1	24
HR	2.2	2.1	1.8	1.7	2.0	2.1	3
IT	1.5	1.4	1.4	1.6	1.6	1.6	14
CY	1.4	1.5	1.6	1.5	1.8	2.0	4
LV	2.1	2.0	1.8	1.7	1.7	1.7	10
LT	1.7	1.7	1.6	1.5	1.5	1.6	13
LU	2.8	2.2	2.2	2.2	2.0	1.8	8
HU	1.8	1.9	1.8	1.7	1.7	1.7	12
MT	1.2	1.3	1.4	1.3	1.1	1.3	18
NL	1.2	1.2	1.2	1.2	1.1	1.1	23
AT	1.3	1.2	1.3	1.3	1.2	1.2	21
PL	1.9	1.9	1.9	1.9	1.9	1.9	5
PT	1.9	1.7	1.6	1.6	1.5	1.5	15
RO		1.5	1.3	1.3	1.4	1.7	11
SI	2.1	2.7	2.5	2.8	2.7	2.6	1
SK	2.7	1.5	1.5	1.4	1.4	1.4	16
FI	1.4	1.3	1.2	1.3	1.3	1.3	19
SE	1.3	1.2	1.1	1.1	1.0	1.0	27
UK	1.6	1.6	1.6	1.5	1.4	1.4	17
AL							
ME							
MK							
RS							
TR							
IS							
NO	0.8	0.8	0.7	0.6	0.7	0.6	
CH							

Notes: (\*) Transport fuel taxes include those taxes which are levied on the transport use of fuels/energy products.  
EU totals are weighted averages.



## Environmental Taxes and Transport AS % OF GDP – TRANSPORT (EXCL. FUEL) (\*)

	%								RANKING IN 2014
	1995	2000	2005	2010	2011	2012	2013	2014	
<b>EU-28</b>			0.5	0.5	0.5	0.5	0.5	0.5	
BE	0.8	0.8	0.8	0.7	0.8	0.7	0.7	0.7	10
BG	0.2	0.2	0.2	0.3	0.2	0.2	0.3	0.3	20
CZ	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	26
DK	2.1	1.8	2.1	1.5	1.4	1.4	1.5	1.5	1
DE	0.4	0.3	0.4	0.3	0.3	0.3	0.3	0.3	18
EE	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	28
IE	1.3	1.4	1.2	0.9	0.8	0.8	0.9	0.9	4
EL	0.7	0.8	0.9	0.7	0.7	0.7	0.7	0.7	8
ES	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.2	22
FR	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	19
HR			1.1	0.8	0.8	0.8	0.8	0.9	7
IT	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	11
CY	2.3	2.0	1.4	1.0	0.8	0.7	0.6	0.7	9
LV	0.0	0.3	0.3	0.3	0.5	0.4	0.5	0.5	14
LT	0.7	0.7	0.5	0.0	0.0	0.0	0.0	0.1	27
LU	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	25
HU	0.2	0.4	0.5	0.5	0.5	0.5	0.5	0.5	16
MT	2.3	2.2	1.7	1.3	1.4	1.2	1.1	1.2	2
NL	1.3	1.4	1.2	1.1	1.1	1.0	0.9	1.0	3
AT	0.7	0.8	0.9	0.8	0.8	0.8	0.8	0.9	5
PL	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	24
PT	0.9	1.1	0.9	0.6	0.6	0.5	0.5	0.6	13
RO	0.0	0.1	0.1	0.3	0.2	0.3	0.3	0.3	21
SI	1.0	0.4	0.5	0.4	0.4	0.4	0.5	0.5	15
SK	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	23
FI	0.8	1.1	1.1	0.9	1.0	0.9	0.9	0.9	6
SE	0.3	0.3	0.4	0.5	0.4	0.4	0.4	0.4	17
UK	0.6	0.6	0.4	0.6	0.6	0.6	0.6	0.6	12
AL									
ME									
MK									
RS									
TR									
IS	1.1	1.7	1.6	0.2	0.3	0.3	0.3	0.3	
NO	1.4	1.2	1.4	1.2	1.1	1.1	1.1	1.0	
CH									

Notes: (\*) Transport taxes (excl. Fuel) mainly include taxes related to the ownership and use of motor vehicles.  
EU totals are weighted averages.

## Environmental Taxes and Transport (FUEL AND OTHER TAXES) AS % OF TOTAL TAXATION (\*)

	%						RANKING IN 2014
	2005	2010	2011	2012	2013	2014	
<b>EU-28</b>		5.0	4.9	4.8	4.7	4.6	
BE	4.8	4.4	4.4	4.1	3.9	4.0	26
BG		10.1	10.0	9.5	9.5	9.2	1
CZ	6.8	6.3	6.0	5.7	5.5	5.6	16
DK	6.9	5.5	5.3	5.0	5.1	4.8	23
DE	5.2	4.6	4.5	4.3	4.2	4.1	25
EE	6.3	6.4	6.7	6.6	6.1	6.1	12
IE	7.9	7.6	7.3	6.9	6.9	6.6	10
EL	6.1	7.3	7.3	7.3	7.1	7.3	6
ES	4.8	4.3	4.2	4.0	4.3	4.1	24
FR	3.8	3.4	3.4	3.2	3.1	3.0	28
HR	8.9	8.1	7.4	6.9	7.6	8.1	3
IT	5.4	4.7	4.8	5.2	5.0	5.0	20
CY	9.2	7.7	7.6	7.1	7.6	8.0	4
LV	8.6	8.4	8.3	7.6	7.5	7.6	5
LT	7.4	6.3	6.0	5.8	5.8	5.9	14
LU	7.7	6.2	6.2	6.0	5.5	5.1	19
HU	6.3	6.2	6.1	5.8	5.6	5.6	17
MT	9.0	8.3	8.6	7.8	7.0	7.2	7
NL	6.8	6.5	6.4	6.0	5.7	5.6	15
AT	5.3	5.0	5.2	5.0	4.9	4.9	22
PL	6.7	6.8	6.6	6.6	6.6	6.7	9
PT	9.0	7.6	6.8	6.4	6.0	6.1	11
RO		6.8	5.5	5.7	6.1	7.1	8
SI	6.8	8.3	7.8	8.5	8.6	8.4	2
SK	9.1	6.1	6.0	5.7	5.4	5.3	18
FI	5.9	5.4	5.2	5.1	5.0	4.9	21
SE	3.6	3.8	3.6	3.5	3.5	3.3	27
UK	6.0	6.5	6.3	6.2	6.1	6.0	13
AL							
ME							
MK							
RS							
TR							
IS							
NO	5.2	4.6	4.4	4.3	4.3	4.2	
CH							

Notes: (\*) Including taxes on fuel and other transport taxes.  
 EU totals are weighted averages.

## Comparison EU-28 – World: INFRASTRUCTURE AND VEHICLES

TRANSPORT INFRASTRUCTURE					
	EU-28	USA	JAPAN	CHINA	RUSSIA
	2013	2013	2013	2013	2013
<b>1 000 km</b>					
Road network (paved)	5 000	4 310	989	3 756	1 094
Motorway network	74.3	93.3 <sup>(1)</sup>	8.4 <sup>(2)</sup>	104.4	51.0 <sup>(3)</sup>
Railway network	220	205.6 <sup>(4)</sup>	19.5	103.1	86.0
Electrified rail lines	115.2		11.7	36.0	43.0
Navigable inland waterways	42.0	40.2		125.9	102.0
Oil pipelines	36.8	309.6		98.5 <sup>(5)</sup>	55.0 <sup>(6)</sup>

VEHICLE STOCK						
	EU-28	USA	JAPAN	CHINA	RUSSIA	
	2014	2014	2014	2014	2014	
<b>Passenger cars stock</b>	<b>million</b>	249.8	240 <sup>(7)</sup>	71.3 <sup>(8)</sup>	83.1	41.4
<b>Motorisation</b>	<b>cars / 1 000 persons</b>	491	753	561	61	288
<b>Commercial freight vehicles</b>	<b>million</b>	35.86	10.91	6.03	21.25	6.24

TRANSPORT SAFETY						
	EU-28	USA	JAPAN	CHINA	RUSSIA	
	2014	2014	2014	2013	2014	
<b>Road fatalities</b>	<b>number</b>	25 974	32 675	4 113	58 316	29 963
	<b>per million inhabitants</b>	51	102	32	43	208

- Notes:** <sup>(1)</sup> Divided highways with 4 or more lanes (rural or urban interstate, freeways, expressways, arterial and collector) with full access control by the authorities.  
<sup>(2)</sup> Japan: national expressways.  
<sup>(3)</sup> Russia: federal roads.  
<sup>(4)</sup> USA: a sum of partly overlapping networks.  
<sup>(5)</sup> China: both oil and gas pipelines.  
<sup>(6)</sup> Russia: only crude oil pipelines.  
 20 thousand km of oil products pipelines are not included.  
<sup>(7)</sup> USA: light duty vehicles, short wheel and long wheel base.  
<sup>(8)</sup> Japan: including 31.8 million light motor vehicles (engine capacity up to 660 cubic centimetres).

## Comparison EU-28 – World: PASSENGER AND FREIGHT TRANSPORT

### PASSENGER TRANSPORT

	EU-28	USA	JAPAN	CHINA	RUSSIA
	2014	2014	2013	2014	2014
<b>Passenger car</b>	4 766.5	6 005.9 <sup>(1)</sup>		1 208.4 <sup>(2)</sup>	
<b>Bus + trolley bus + coach</b>	525.5	546.1	74.8		133.4
<b>Railway</b>	428.2	40.3	414	1 160.5	128.8
<b>Tram + metro</b>	101.6	23.0	<sup>(3)</sup>		50.4
<b>Waterborne</b>	37.5	0.7	3.1 <sup>(4)</sup>	7.4	0.6
<b>Air (domestic/intra-EU-28)</b>	605.3	978.1	82.7	633.4	241.4

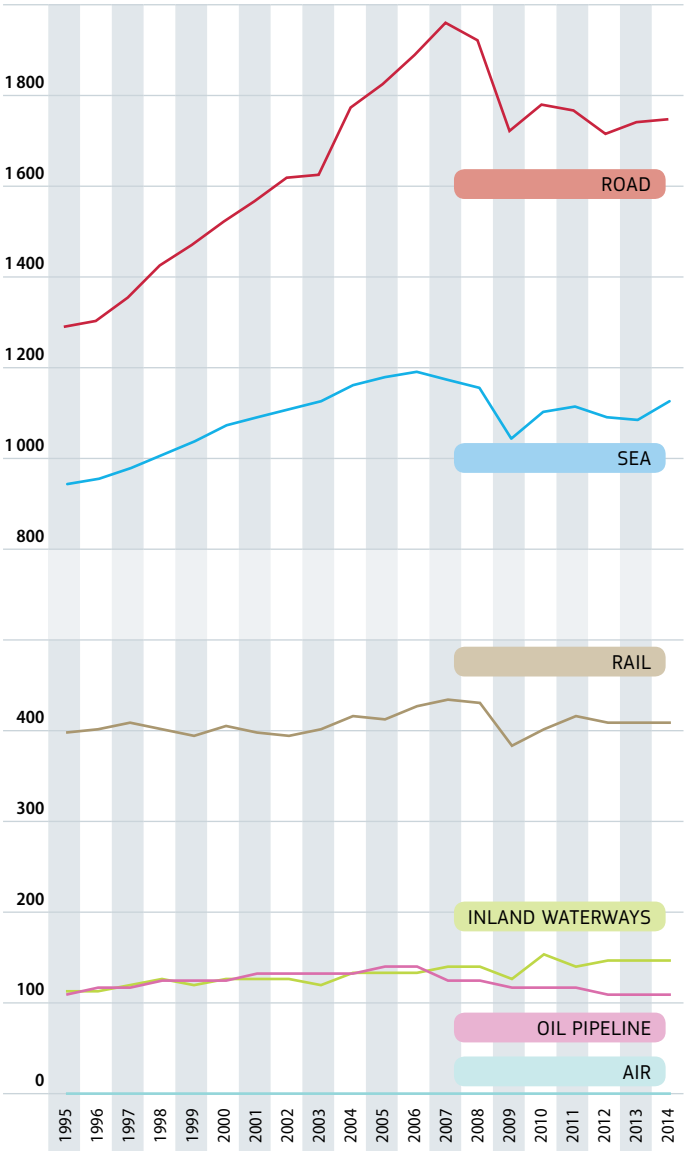
### FREIGHT TRANSPORT

	EU-28	USA	JAPAN	CHINA	RUSSIA
	2014	2013	2013	2014	2014
<b>Road</b>	1 725.5	3 810.5	214.1	6 101.7	246.0
<b>Rail</b>	410.8	2 290.7 <sup>(5)</sup>	21.1	2 753.0	2 299.0
<b>Inland waterways</b>	150.9				72.0
<b>Oil pipeline</b>	112.9	1 305.2		432.8 <sup>(6)</sup>	2 423.0
<b>Sea (domestic/intra-EU-28)</b>	1 122.1	572.3 <sup>(7)</sup>	184.9	9 277.5 <sup>(8)</sup>	32.0

- Notes:** <sup>(1)</sup> USA: including light trucks/vans.  
<sup>(2)</sup> China: including buses and coaches.  
<sup>(3)</sup> Japan: included in railway pkm.  
<sup>(4)</sup> Japan: 2012 value.  
<sup>(5)</sup> USA: Class I rail.  
<sup>(6)</sup> China: oil and gas pipelines.  
<sup>(7)</sup> USA: refers to water transport, includes inland waterways.  
<sup>(8)</sup> China: both coastwise and inland waterway transport.

# EU-28 Performance by Mode for Freight Transport – 1995–2014

billion tonne-kilometres (tkm)



## 2.2.2 PERFORMANCE OF FREIGHT TRANSPORT EXPRESSED IN TONNE-KILOMETRES

## EU-28 Performance by Mode

## FREIGHT TRANSPORT

	billion tkm						
	ROAD	RAIL	INLAND WATERWAYS	PIPELINES	SEA (*)	AIR	TOTAL
1995	1 289	388	122	115	930	2	2 846
2000	1 509	405	134	127	1 067	2	3 245
2005	1 795	416	139	138	1 178	2	3 667
2006	1 858	438	139	137	1 191	2	3 764
2007	1 925	452	145	128	1 174	2	3 826
2008	1 891	443	146	125	1 153	2	3 760
2009	1 700	364	131	122	1 035	2	3 353
2010	1 755	394	156	121	1 094	2	3 522
2011	1 744	422	142	118	1 111	2	3 540
2012	1 693	407	150	115	1 085	2	3 451
2013	1 719	406	153	112	1 082	2	3 474
2014	1 725	411	151	113	1 122	2	3 524
1995–2014 per year	33.9%	5.8%	23.5%	-1.8%	20.6%	27.0%	23.8%
	1.5%	0.3%	1.1%	-0.1%	1.0%	1.3%	1.1%
2000–2014 per year	14.3%	1.3%	12.7%	-11.2%	5.2%	3.7%	8.6%
	1.0%	0.1%	0.9%	-0.8%	0.4%	0.3%	0.6%
2013–2014	0.4%	1.1%	-1.2%	1.0%	3.8%	0.0%	1.4%

## MODAL SPLIT

	(%)					
	ROAD	RAIL	INLAND WATERWAYS	PIPELINES	SEA (*)	AIR
1995	45.3	13.6	4.3	4.0	32.7	0.1
2000	46.5	12.5	4.1	3.9	32.9	0.1
2005	48.9	11.3	3.8	3.8	32.1	0.1
2006	49.4	11.6	3.7	3.6	31.6	0.1
2007	50.3	11.8	3.8	3.4	30.7	0.1
2008	50.3	11.8	3.9	3.3	30.7	0.1
2009	50.7	10.8	3.9	3.6	30.9	0.1
2010	49.8	11.2	4.4	3.4	31.1	0.1
2011	49.3	11.9	4.0	3.3	31.4	0.1
2012	49.0	11.8	4.3	3.3	31.4	0.1
2013	49.5	11.7	4.4	3.2	31.1	0.1
2014	49.0	11.7	4.3	3.2	31.8	0.1

**Notes:** (\*) The time series for maritime transport performance has been revised, for the period from 2005 to 2014, by replacing previous estimates on port-to port distances with more accurate measurements by Eurostat. The time series from 1995 to 2004 has been recalibrated by DG MOVE in line with the new Eurostat figures to avoid break in series. The revision of tkm figures mainly concerns the calculation of distance travelled and not the tonnages transported by sea.

**Air and Sea:** only domestic and intra-EU-28 transport; estimates for air and for sea (1995-2004).

**Road:** national and international haulage by vehicles registered in the EU-28.

## Modal Split of Freight Transport on Land by Country – 2014

	tkm in %			
	ROAD	RAIL	INLAND WATERWAYS	PIPELINES
<b>EU-28</b>	<b>71.3</b>	<b>17.5</b>	<b>6.4</b>	<b>4.8</b>
BE	71.2	10.9	15.6	2.3
BG	53.2	17.7	26.1	3.0
CZ	69.0	27.2	0.1	3.8
DK	80.0	10.1	-	9.9
DE	69.3	18.3	9.6	2.8
EE	44.8	55.2	-	-
IE	98.9	1.1	-	-
EL	97.1	1.7	-	1.2
ES	89.4	5.8	-	4.8
FR	83.3	10.3	2.8	3.6
HR	65.7	18.4	6.2	9.7
IT	81.8	12.3	0.0	5.9
CY	100.0	-	-	-
LV	17.1	73.9	-	9.0
LT	31.1	66.3	0.0	2.6
LU	85.5	6.1	8.4	-
HU	58.4	28.6	5.1	7.9
MT	100.0	-	-	-
NL	45.1	5.5	44.2	5.2
AT	55.7	29.3	3.1	11.8
PL	65.7	23.8	0.1	10.5
PT	85.6	12.5	-	1.9
RO	39.8	29.5	28.3	2.4
SI	64.0	36.0	-	-
SK	47.7	32.5	3.3	16.5
FI	68.8	30.7	0.4	-
SE	69.6	30.4	-	-
UK	82.2	12.2	0.1	5.5
AL				
ME				
MK				
RS				
TR				
IS				
NO	78.9	12.6	-	8.5
CH	63.3	35.9	0.1	0.7

## Road: NATIONAL HAULAGE

### HAULAGE BY VEHICLES REGISTERED IN THE REPORTING COUNTRY

	billion tkm						% OF TOTAL HAULAGE 2014	% CHANGE '13/'14
	1995	2000	2005	2010	2013	2014		
<b>EU-28</b>		<i>1086.4</i>	<i>1225.8</i>	<i>1176.9</i>	<i>1112.4</i>	<i>1112.1</i>	<b>64.4</b>	<b>0.0</b>
BE	18.6	19.8	19.3	17.8	19.0	19.2	60.3	1.0
BG		3.1	5.0	6.1	7.2	6.8	24.5	-5.1
CZ		14.2	15.5	14.8	15.4	16.8	31.1	9.2
DK	9.3	11.0	11.1	10.6	12.2	12.9	80.0	5.9
DE	201.3	226.5	237.6	252.5	256.7	263.0	84.8	2.5
EE	0.4	0.7	1.8	1.4	1.6	1.5	24.4	-3.3
IE	4.7	8.3	14.0	8.2	7.2	7.7	79.0	6.8
EL	<i>20.0</i>	<i>23.0</i>	<i>19.6</i>	<i>25.3</i>	<i>14.6</i>	<i>15.1</i>	78.7	3.9
ES	78.7	106.9	166.4	146.2	127.0	128.2	65.5	0.9
FR	135.3	163.2	177.3	164.3	155.7	151.1	91.5	-3.0
HR		1.9	4.4	4.5	4.3	3.9	41.9	-8.2
IT	<i>150.3</i>	<i>158.3</i>	<i>171.6</i>	<i>149.2</i>	<i>112.0</i>	<i>102.4</i>	86.9	-8.6
CY		1.3	1.4	1.1	0.6	0.5	97.8	-14.9
LV		1.5	2.7	2.6	2.8	2.7	20.0	-2.2
LT		1.5	2.1	2.3	2.5	2.8	9.9	9.0
LU	0.5	0.4	0.5	0.6	0.8	1.1	11.8	45.2
HU		12.1	11.4	11.3	9.2	9.6	25.7	4.2
MT		<i>0.2</i>	<i>0.2</i>	<i>0.2</i>	<i>0.2</i>	<i>0.2</i>	80.0	0.0
NL	26.7	31.5	31.8	33.8	29.9	31.3	44.1	4.7
AT	11.1	12.4	12.5	13.9	13.9	14.0	57.5	0.9
PL		48.0	60.9	82.2	100.3	96.6	38.5	-3.7
PT	16.5	14.2	17.4	12.9	9.8	10.5	30.0	7.1
RO		9.9	19.4	12.1	12.5	12.1	34.5	-3.0
SI		1.9	2.4	2.3	1.9	2.1	12.7	9.2
SK		5.1	5.6	5.2	4.6	5.1	16.2	11.6
FI	21.8	27.7	27.8	25.2	21.0	20.3	86.7	-3.2
SE	28.4	31.5	34.7	32.7	30.7	38.8	92.5	26.4
UK	146.7	150.3	151.2	137.8	139.0	135.6	94.7	-2.4
AL								
ME								
MK								
RS								
TR	112.5	161.6	166.8	190.4	224.0	234.5		4.7
IS	<i>0.5</i>	<i>0.6</i>	<i>0.7</i>	<i>0.8</i>	<i>0.8</i>	<i>0.8</i>		5.1
NO		12.1	15.4	16.3	18.3	19.0	88.1	3.8
CH	8.4	8.9	9.2	9.6	10.2	10.6	81.0	4.2

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

SE: break in series in 2014 due to a methodological change on the vehicles not in use.



## Road: INTERNATIONAL HAULAGE (\*)

### HAULAGE BY VEHICLES REGISTERED IN THE REPORTING COUNTRY

	billion tkm						% OF TOTAL HAULAGE 2014	% CHANGE '13/'14
	1995	2000	2005	2010	2013	2014		
<b>EU-28</b>		<i>421.6</i>	<i>568.8</i>	<i>578.4</i>	<i>607.0</i>	<i>613.4</i>	<b>35.6</b>	<b>1.1</b>
BE	27.0	31.3	24.6	17.2	13.8	12.6	39.7	-8.5
BG		3.3	9.3	13.3	19.9	21.0	75.5	5.6
CZ		23.1	27.9	37.1	39.5	37.3	68.9	-5.6
DK	13.1	13.0	12.2	4.4	3.9	3.2	20.0	-15.9
DE	36.5	54.2	72.5	60.6	49.0	47.1	15.2	-3.9
EE	1.1	3.2	4.0	4.2	4.4	4.8	75.6	8.5
IE	0.8	3.9	3.9	2.7	2.0	2.0	21.0	2.4
EL	4.0	4.5	4.2	4.6	4.4	4.1	21.3	-7.1
ES	22.9	41.8	66.8	63.9	65.6	67.6	34.5	3.1
FR	42.9	40.8	28.0	17.9	15.8	14.1	8.5	-10.5
HR		1.0	4.9	4.2	4.8	5.5	58.1	12.4
IT	24.1	26.4	40.2	26.5	15.3	15.5	13.1	1.3
CY		0.0	0.0	0.0	0.0	0.0	2.2	-25.0
LV		3.3	5.7	8.0	10.0	10.9	80.0	9.1
LT		6.2	13.8	17.1	23.8	25.3	90.1	6.3
LU	5.0	7.2	8.3	8.1	7.8	8.5	88.2	8.2
HU		7.0	13.8	22.4	26.6	27.9	74.3	4.9
MT		<i>0.1</i>	<i>0.1</i>	<i>0.1</i>	<i>0.1</i>	<i>0.1</i>	20.0	0.0
NL	40.4	48.0	52.3	42.0	40.3	39.6	55.9	-1.7
AT	15.4	22.7	24.5	14.7	10.4	10.3	42.5	-0.4
PL		27.0	50.9	120.1	147.3	154.3	61.5	4.8
PT	15.5	12.6	25.2	22.5	26.8	24.4	70.0	-8.9
RO		4.4	32.1	13.8	21.5	23.0	65.5	6.9
SI		3.4	8.7	13.6	14.0	14.2	87.3	1.4
SK		9.3	16.9	22.4	25.6	26.3	83.8	2.7
FI	2.7	4.3	4.0	4.4	3.5	3.1	13.3	-10.3
SE	3.2	4.2	3.9	3.5	2.8	3.1	7.5	11.9
UK	14.8	15.3	10.1	8.9	8.2	7.5	5.3	-8.3
AL								
ME								
MK								
RS								
TR								
IS								
NO		3.0	2.9	3.4	3.0	2.6	11.9	-14.2
CH (†)	0.7	0.9	1.0	3.7	2.7	2.5	19.0	-6.7

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

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

- (†) CH: in contrast to the data for other countries, until 2007 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

	billion tkm						%
	1995	2000	2005	2010	2013	2014	CHANGE '13/'14
<b>EU-28</b>	<b>1288.7</b>	<b>1509.5</b>	<b>1794.6</b>	<b>1755.3</b>	<b>1719.4</b>	<b>1725.5</b>	<b>0.4</b>
BE	45.6	51.0	43.8	35.0	32.8	31.8	-3.0
BG	5.2	6.4	14.4	19.4	27.1	27.9	2.8
CZ	31.3	37.3	43.4	51.8	54.9	54.1	-1.5
DK	22.4	24.0	23.3	15.0	16.1	16.2	0.7
DE	237.8	280.7	310.1	313.1	305.7	310.1	1.4
EE	1.5	3.9	5.8	5.6	6.0	6.3	5.4
IE	5.5	12.3	17.9	10.9	9.2	9.8	5.8
EL	24.0	29.0	23.8	29.8	19.0	19.2	1.3
ES	101.6	148.7	233.2	210.1	192.6	195.8	1.6
FR	178.2	204.0	205.3	182.2	171.5	165.2	-3.6
HR		2.9	9.3	8.8	9.1	9.4	2.7
IT	174.4	184.7	211.8	175.8	127.2	117.8	-7.4
CY	1.2	1.3	1.4	1.1	0.6	0.5	-15.1
LV	1.8	4.8	8.4	10.6	12.8	13.7	6.7
LT	5.2	7.8	15.9	19.4	26.3	28.1	6.6
LU	5.5	7.6	8.8	8.7	8.6	9.6	11.5
HU	13.8	19.1	25.2	33.7	35.8	37.5	4.7
MT	0.3	0.3	0.3	0.3	0.3	0.3	0.0
NL	67.1	79.6	84.2	75.8	70.2	70.9	1.0
AT	26.5	35.1	37.0	28.7	24.2	24.3	0.4
PL	51.2	75.0	111.8	202.3	247.6	250.9	1.3
PT	32.0	26.8	42.6	35.4	36.6	34.9	-4.6
RO	19.7	14.3	51.5	25.9	34.0	35.1	3.3
SI	3.3	5.3	11.0	15.9	15.9	16.3	2.3
SK	15.9	14.3	22.6	27.6	30.1	31.4	4.0
FI	24.5	32.0	31.9	29.5	24.4	23.4	-4.2
SE <sup>(1)</sup>	31.6	35.6	38.6	36.3	33.5	42.0	25.2
UK	161.5	165.6	161.3	146.7	147.2	143.2	-2.7
AL	2.1	2.2	3.2	4.6	3.5	3.5	0.0
ME			0.1	0.2	0.1	0.1	82.1
MK			5.6	4.2	5.1	7.4	43.8
RS		0.6	0.7	1.7	2.8	3.0	4.8
TR <sup>(2)</sup>	112.5	161.6	166.8	190.4	224.0	234.5	4.7
IS <sup>(2)</sup>	0.5	0.6	0.7	0.8	0.8	0.8	5.1
NO	9.7	15.1	18.2	19.8	21.3	21.6	1.3
CH <sup>(3)</sup>	9.1	9.8	10.2	13.2	12.8	13.1	2.0

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

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

<sup>(1)</sup> SE: break in series in 2014 due to a methodological change on the vehicles not in use.

<sup>(2)</sup> TR, IS: national transport only.

<sup>(3)</sup> CH: in contrast to the data for other countries, until 2007 the Swiss data do not include that part of international journeys by Swiss hauliers that takes place outside Switzerland.

## Road: TRANSPORT PERFORMANCE ADJUSTED FOR TERRITORIALITY (\*)

### HAULAGE PERFORMED WITHIN THE TERRITORY OF EACH COUNTRY BY ANY VEHICLE

	billion tkm						%
	2005	2010	2011	2012	2013	2014	CHANGE '13/'14
<b>EU-28</b>	1755.5	1714.7	1699.4	1644.7	1668.6	1674.7	0.4
BE	46.8	45.0	44.8	45.1	47.4	47.8	0.7
BG	11.0	8.9	9.7	9.3	11.0	10.3	-5.6
CZ	32.3	32.4	33.2	32.5	35.4	37.0	4.5
DK	16.8	17.3	18.4	18.6	19.4	19.5	0.5
DE	370.8	407.2	416.6	407.3	416.8	426.7	2.4
EE	2.7	2.2	2.5	2.5	2.7	2.6	-1.7
IE	15.6	9.6	9.0	8.8	8.6	9.0	5.2
EL	21.9	27.6	18.7	18.6	17.1	17.5	2.4
ES	210.7	184.4	179.9	169.8	166.1	167.1	0.6
FR	294.5	274.8	273.1	258.9	263.7	259.8	-1.5
HR	10.5	7.8	7.6	7.4	7.7	7.6	-2.3
IT	204.0	183.5	157.3	139.5	141.8	133.0	-6.2
CY	1.4	1.1	0.9	0.9	0.6	0.5	-14.9
LV	3.7	3.7	4.0	4.1	4.5	4.5	-0.9
LT	4.4	5.1	5.4	6.0	6.7	6.7	0.3
LU	1.9	2.1	2.2	2.7	2.5	2.9	18.6
HU	22.2	21.3	21.1	19.8	20.1	20.7	3.4
MT							
NL	49.7	52.0	51.4	48.6	48.6	50.3	3.6
AT	32.4	37.9	39.1	38.0	38.6	38.9	0.9
PL	86.8	117.0	125.6	127.9	141.6	138.6	-2.1
PT	23.9	19.0	19.1	16.5	15.8	16.6	5.7
RO	32.5	15.7	15.4	16.9	17.0	16.5	-2.8
SI	7.3	7.4	7.4	7.1	7.1	7.3	2.5
SK	10.5	11.7	12.0	12.2	12.3	13.0	5.6
FI	28.8	26.5	24.6	23.0	21.9	21.5	-1.9
SE	45.1	42.4	42.9	39.6	41.3	48.8	18.4
UK	167.3	151.3	157.5	163.3	152.4	149.6	-1.8
AL							
ME							
MK							
RS							
TR							
IS							
NO	17.1	19.1	19.1	20.0	22.0	22.2	0.8
CH	23.0	21.7	21.2	20.8	20.8	21.7	4.2

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

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

EU aggregates do not include road freight transport for Malta (negligible, exempt from reporting). BG and RO data for 2005 are based on their reporting for 2006; Data for HR and CH for 2005-2007 are based on their reporting for 2008; Road transport for CY includes only national transport (international transport is negligible).

## 2.2.5 PERFORMANCE OF FREIGHT TRANSPORT EXPRESSED IN TONNE-KILOMETRES

## Railways

	billion tkm							%
	1990	1995	2000	2005	2010	2013	2014	CHANGE '13/'14
<b>EU-28</b>	<b>526.3</b>	<b>388.1</b>	<b>405.5</b>	<b>416.0</b>	<b>393.5</b>	<b>406.5</b>	<b>410.8</b>	<b>1.1</b>
BE	8.4	7.3	7.7	8.1	7.5	7.3	7.3	0.0
BG	14.1	8.6	5.5	5.2	3.1	3.2	3.4	5.9
CZ		22.6	17.5	14.9	13.8	14.0	14.6	4.4
DK	1.7	2.0	2.0	2.0	2.2	2.4	2.5	0.2
DE	101.7	70.5	82.7	95.4	107.3	112.6	112.6	0.0
EE	7.0	3.8	8.1	10.6	6.6	4.7	3.3	-31.0
IE	0.6	0.6	0.5	0.3	0.1	0.1	0.1	1.0
EL	0.6	0.3	0.4	0.6	0.6	0.2	0.3	31.2
ES	11.2	11.0	11.6	11.6	8.9	9.3	10.8	15.9
FR	52.2	48.3	57.7	40.7	30.0	32.0	32.2	0.6
HR		2.0	1.8	2.8	2.6	2.1	2.1	1.6
IT	19.4	21.7	22.8	22.8	18.6	19.0	20.1	5.4
CY	-	-	-	-	-	-	-	-
LV	18.5	9.8	13.3	19.8	17.2	19.5	19.4	-0.5
LT	19.3	7.2	8.9	12.5	13.4	13.3	14.3	7.2
LU	0.6	0.5	0.6	0.4	0.3	0.2	0.2	-4.6
HU	16.8	8.4	8.8	9.1	8.8	9.7	10.2	4.5
MT	-	-	-	-	-	-	-	-
NL	3.1	3.1	4.5	5.9	5.9	6.1	6.2	1.5
AT	12.2	13.2	16.6	19.0	19.8	19.3	20.5	6.3
PL	81.6	68.2	54.0	50.0	48.7	50.9	50.1	-1.6
PT	1.5	2.0	2.2	2.4	2.3	2.3	2.4	6.3
RO	48.9	17.9	16.4	16.6	12.4	12.9	12.3	-5.2
SI	4.2	3.1	2.9	3.2	3.4	3.8	4.1	8.2
SK		13.8	11.2	9.5	8.1	8.5	8.8	3.9
FI	8.4	9.6	10.1	9.7	9.8	9.5	9.6	1.3
SE	19.1	19.4	19.5	21.7	23.5	21.0	21.3	1.6
UK	16.0	13.3	18.1	21.4	18.6	22.4	22.1	-1.2
AL	0.6	0.1	0.0	0.0	0.1	0.0	0.0	73.6
ME					0.2	0.1	0.1	-10.5
MK			0.5	0.5	0.5	0.4	0.4	-2.4
RS					3.5	3.0	3.0	-1.1
TR	7.9	8.5	9.8	9.1	11.3	10.8	11.6	7.9
IS	-	-	-	-	-	-	-	-
NO	2.6	2.7	3.0	3.1	3.5	3.4	3.5	4.6
CH	9.0	8.9	11.1	11.7	11.1	11.8	12.3	4.2

Notes: DK: 2014 values based on quarterly data.

DE: includes DE-E: 1970=41.5, 1980=56.4, 1990=39.8.

CS: 1970: 55.9, 1980: 66.2, 1990: 59.4, 1991: 45.8, 1992: 44.0 (these are included in EU-28).

## Inland Waterways

	billion tkm							%
	1990	1995	2000	2005	2010	2013	2014	CHANGE '13/'14
<b>EU-28</b>	118.8	122.1	133.9	138.8	155.5	152.8	150.9	-1.3
BE	5.4	5.7	7.2	8.6	9.1	10.4	10.5	0.8
BG	1.6	0.5	0.3	0.8	6.0	5.4	5.1	-5.6
CZ		0.3	0.1	0.1	0.0	0.0	0.0	8.0
DK	-	-	-	-	-	-	-	-
DE	54.8	64.0	66.5	64.1	62.3	60.1	59.1	-1.6
EE	0.0	0.0	-	-	-	-	-	-
IE	-	-	-	-	-	-	-	-
EL	-	-	-	-	-	-	-	-
ES	-	-	-	-	-	-	-	-
FR	7.6	6.6	9.1	8.9	9.5	9.2	8.8	-4.5
HR	0.5	0.0	0.1	0.1	0.9	0.8	0.7	-7.1
IT	0.1	0.1	0.2	0.1	0.1	0.1	0.1	-28.1
CY	-	-	-	-	-	-	-	-
LV	-	-	-	-	-	-	-	-
LT	0.2	0.0	0.0	0.0	0.0	0.0	0.0	-
LU	0.4	0.3	0.4	0.3	0.4	0.3	0.3	-8.9
HU	2.0	1.2	0.9	2.1	2.4	1.9	1.8	-5.9
MT	-	-	-	-	-	-	-	-
NL	35.7	35.5	41.3	42.2	46.6	48.6	49.3	1.4
AT	1.7	2.0	2.4	1.8	2.4	2.4	2.2	-7.5
PL	1.0	0.9	1.2	0.3	0.1	0.1	0.1	20.9
PT	-	-	-	-	-	-	-	-
RO	2.1	3.1	2.6	8.4	14.3	12.2	11.8	-3.9
SI	-	-	-	-	-	-	-	-
SK		1.5	1.4	0.7	1.2	1.0	0.9	-10.0
FI	1.1	0.1	0.1	0.1	0.1	0.1	0.1	12.4
SE	-	-	-	-	-	-	-	-
UK	0.3	0.2	0.2	0.2	0.2	0.2	0.2	-19.9
AL	-	-	-	-	-	-	-	-
ME	-	-	-	-	-	-	-	-
MK	-	-	-	-	-	-	-	-
RS	3.2	0.3	1.0	1.6	0.9	0.7	0.8	8.3
TR	-	-	-	-	-	-	-	-
IS	-	-	-	-	-	-	-	-
NO	-	-	-	-	-	-	-	-
CH	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0

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

CS: 1970: 2.43, 1980: 3.59, 1990: 4.42, 1991: 3.89, 1992: 2.98  
(these are included in EU-28 totals).

IT, LT, FI and UK: data include only national traffic.

BG and RO: data include transit traffic from 2009 (and partially in 2008).

HR: data include transit traffic from 2008 onward.

## 2.2.7 PERFORMANCE OF FREIGHT TRANSPORT EXPRESSED IN TONNE-KILOMETRES

## Oil Pipelines

	billion tkm							%
	1990	1995	2000	2005	2010	2013	2014	CHANGE '13/'14
<b>EU-28</b>		114.9	127.1	137.6	121.1	112.2	112.9	0.6
BE	1.0	1.4	1.6	1.5	1.5	1.7	1.6	-7.0
BG	0.6	0.4	0.4	0.4	0.4	0.6	0.6	-7.9
CZ		2.3	1.6	2.3	2.2	1.9	2.1	6.7
DK	2.0	3.1	4.7	5.1	3.5	2.7	2.4	-12.0
DE	13.3	14.8	15.0	16.7	16.3	18.2	17.5	-3.5
EE	-	-	-	-	-	-	-	-
IE	-	-	-	-	-	-	-	-
EL	-	-	-	0.2	0.2	0.2	0.2	13.6
ES	4.2	5.9	7.5	9.2	8.2	8.7	9.0	3.2
FR	19.6	22.3	21.7	20.9	17.6	11.5	11.1	-3.5
HR	3.6		0.4	1.5	1.3	1.1	1.1	-1.2
IT	9.2	9.7	10.3	11.4	10.4	10.0	9.6	-4.7
CY	-	-	-	-	-	-	-	-
LV		5.3	6.5	3.4	2.4	2.3	2.4	4.3
LT		2.0	3.5	4.4	0.6	0.6	0.6	0.7
LU	-	-	-	-	-	-	-	-
HU	5.3	2.2	2.3	2.7	3.2	2.7	2.8	3.5
MT	-	-	-	-	-	-	-	-
NL	4.9	5.3	5.9	5.9	5.6	5.4	5.8	8.0
AT	6.4	6.8	7.6	7.8	7.0	8.4	8.3	-1.6
PL	13.9	13.5	20.4	25.4	24.2	20.1	22.1	9.9
PT		-	0.5	0.5	0.4	0.4	0.4	6.0
RO	5.1	2.9	1.4	2.2	1.0	0.8	1.0	18.7
SI	-	-	-	-	-	-	-	-
SK		6.1	4.6	5.3	5.0	4.9	4.5	-8.6
FI	-	-	-	-	-	-	-	-
SE	-	-	-	-	-	-	-	-
UK	11.1	11.1	11.4	10.8	10.2	10.0	10.0	0.3
AL	-	-	-	-	-	-	-	-
ME	-	-	-	-	-	-	-	-
MK	-	-	-	0.1	0.1	-	-	-
RS	-	-	-	-	0.4	0.4	0.4	-6.8
TR		3.2	53.1	5.7	39.6	26.7	15.3	-42.6
IS	-	-	-	-	-	-	-	-
NO	2.1	5.3	3.5	4.6	3.5	2.7	2.4	-11.7
CH	1.2	1.2	0.2	0.2	0.2	0.2	0.2	3.9

**Notes:** Data are not harmonised and therefore not fully comparable; in most countries, only pipelines longer than 40km are included. Data refers to oil pipelines.

CS: 1990: 7.5.

DE: from 1995 onwards: only crude oil (i.e. no refined petroleum products).

## USA

## PERFORMANCE BY MODE OF TRANSPORT: FREIGHT

	billion tkm				
	ROAD	RAIL	INLAND <sup>(1)</sup> WATERWAYS	PIPELINES	TOTAL
1990	2 492.7	1 554.0	515.8	1 519.9	6 082.5
1995	3 036.8	1 922.8	534.4	1 564.1	7 058.1
2000	3 396.7	2 257.6	526.2	1 413.0	7 593.5
2001	3 448.5	2 335.0	504.7	1 349.2	7 637.5
2002	3 544.4	2 344.0	506.7	1 285.5	7 680.6
2003	3 618.9	2 341.2	475.8	1 278.3	7 714.1
2004	3 543.6	2 459.2	496.1	1 271.1	7 770.0
2005	3 581.8	2 530.6	476.4	1 263.9	7 852.7
2010	3 668.1	2 491.5	450.5	1 395.7	8 005.8
2011	3 412.0	2 216.2	633.6	1 486.3	7 748.1
2012	3 657.2	2 398.7	747.5	1 366.5	8 170.0
2013	3 810.5	2 290.7	572.3	1 305.2	7 978.7

## AVERAGE ANNUAL CHANGE

	% PER YEAR				
	ROAD	RAIL	INLAND <sup>(1)</sup> WATERWAYS	PIPELINES	TOTAL
2001	1.5	3.4	-4.1	-4.5	0.6
2002	2.8	0.4	0.4	-4.7	0.6
2003	2.1	-0.1	-6.1	-0.6	0.4
2004	-2.1	5.0	4.3	-0.6	0.7
2005	1.1	2.9	-4.0	-0.6	1.1
2006	-1.9	7.1	2.0	-0.6	1.4
2007	3.7	-2.0	-2.8	-0.6	0.7
2008	10.3	-4.9	-3.8	14.7	5.1
2009	-11.0	-8.5	-10.5	-3.5	-9.0
2010	2.6	7.9	10.8	0.9	4.3
2011	-7.0	-11.0	40.6	6.5	-3.2
2012	7.2	8.2	18.0	-8.1	5.4
2013	4.2	-4.5	-23.4	-4.5	-2.3
1990–1995	4.0	4.4	0.7	0.6	3.0
1995–2000	2.3	3.3	-0.3	-2.0	1.5
2000–2010	0.8	1.0	-1.5	-0.1	0.5
2011–2013	5.7	1.7	-5.0	-6.3	1.5

**Notes:** Time series for road transport revised according to the estimates based on the Freight Analysis Framework (FAF). From 2011 onwards, values are taken from the US Pocket Guides to Transportation.

(<sup>1</sup>) As of 2011, the column refers not only to inland waterways but to water transportation.

## 2.2.8 PERFORMANCE OF FREIGHT TRANSPORT EXPRESSED IN TONNE-KILOMETRES

## USA

## MODAL SPLIT

	%			
	ROAD	RAIL	INLAND <sup>(1)</sup> WATERWAYS	PIPELINES
1990	41.0	25.5	8.5	25.0
1995	43.0	27.2	7.6	22.2
1996	43.0	27.7	7.1	22.2
1997	44.0	27.4	7.0	21.6
1998	44.3	28.2	6.9	20.6
1999	44.4	29.1	7.0	19.5
2000	44.7	29.7	6.9	18.6
2001	45.2	30.6	6.6	17.7
2002	46.1	30.5	6.6	16.7
2003	46.9	30.3	6.2	16.6
2004	45.6	31.6	6.4	16.4
2005	45.6	32.2	6.1	16.1
2006	44.1	34.0	6.1	15.8
2007	45.4	33.1	5.9	15.6
2008	47.7	30.0	5.4	17.0
2009	46.6	30.1	5.3	18.0
2010	45.8	31.1	5.6	17.4
2011	44.0	28.6	8.2	19.2
2012	44.8	29.4	9.1	16.7
2013	47.8	28.7	7.2	16.4

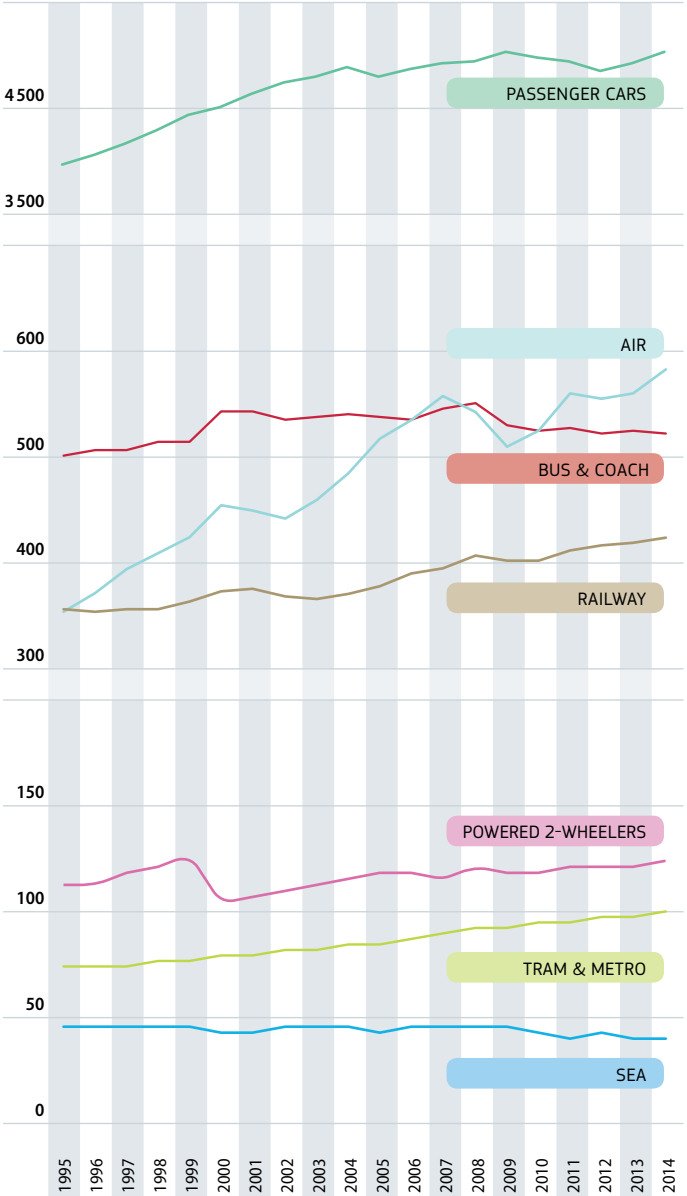
**Notes:** Time series for road transport revised according to the estimates based on the Freight Analysis Framework (FAF). From 2011 onwards, values are taken from the US Pocket Guides to Transportation.

<sup>(1)</sup> As of 2011, the column refers not only to inland waterways but to water transportation.



## EU-28 Performance by Mode for Passenger Transport – 1995–2014

billion passenger-kilometres (pkm)



## 2.3.2 PERFORMANCE OF PASSENGER TRANSPORT EXPRESSED IN PASSENGER-KILOMETRES

## EU-28 Performance by Mode

## PASSENGER TRANSPORT

	billion pkm							
	PASSENGER CARS	P2W	BUS & COACH	RAILWAY	TRAM & METRO	AIR	SEA	TOTAL
1995	3 935	116	503	350	74	348	44	5 370
2000	4 355	108	549	372	81	460	42	5 965
2005	4 591	123	542	377	87	530	42	6 293
2006	4 636	123	538	389	89	552	42	6 370
2007	4 690	119	551	396	91	575	43	6 466
2008	4 698	124	557	411	94	560	43	6 488
2009	4 774	122	535	404	94	522	43	6 493
2010	4 726	123	529	405	97	538	40	6 458
2011	4 702	125	531	415	98	579	39	6 489
2012	4 621	126	525	420	100	572	42	6 405
2013	4 678	125	528	425	100	579	39	6 475
2014	4 766	127	526	428	102	605	38	6 592
'95/'14	21.1%	9.4%	4.5%	22.2%	37.8%	74.0%	-15.5%	22.7%
/year	1.0%	0.5%	0.2%	1.1%	1.7%	3.0%	-0.9%	1.1%
'00/'14	9.4%	18.2%	-4.2%	15.3%	25.6%	31.7%	-10.1%	10.5%
/year	0.6%	1.2%	-0.3%	1.0%	1.6%	2.0%	-0.8%	0.7%
'13/'14	1.9%	1.8%	-0.5%	0.8%	1.6%	4.5%	-3.9%	1.8%

## MODAL SPLIT

	%						
	PASSENGER CARS	P2W	BUS & COACH	RAILWAY	TRAM & METRO	AIR	SEA
1995	73.3	2.2	9.4	6.5	1.4	6.5	0.8
2000	73.0	1.8	9.2	6.2	1.4	7.7	0.7
2005	73.0	2.0	8.6	6.0	1.4	8.4	0.7
2006	72.8	1.9	8.4	6.1	1.4	8.7	0.7
2007	72.5	1.8	8.5	6.1	1.4	8.9	0.7
2008	72.4	1.9	8.6	6.3	1.5	8.6	0.7
2009	73.5	1.9	8.2	6.2	1.5	8.0	0.7
2010	73.2	1.9	8.2	6.3	1.5	8.3	0.6
2011	72.5	1.9	8.2	6.4	1.5	8.9	0.6
2012	72.1	2.0	8.2	6.6	1.6	8.9	0.7
2013	72.3	1.9	8.2	6.6	1.5	8.9	0.6
2014	72.3	1.9	8.0	6.5	1.5	9.2	0.6

Notes: Air and Sea: only domestic and intra-EU-28 transport; provisional estimates.  
P2W: powered two-wheelers.

## Modal Split of Passenger Transport on Land by Country – 2014

	pkm as %			
	PASSENGER CARS	BUSES & COACHES	RAILWAYS	TRAM & METRO
<b>EU-28</b>	<b>81.9</b>	<b>9.0</b>	<b>7.4</b>	<b>1.7</b>
BE	76.1	15.4	7.6	0.9
BG	79.5	16.9	2.5	1.1
CZ	66.1	16.7	7.6	9.5
DK	79.6	9.8	10.1	0.4
DE	84.5	5.8	8.2	1.5
EE	80.6	16.3	1.9	1.2
IE	79.6	17.2	2.9	0.3
EL	80.3	17.4	0.9	1.4
ES	81.7	10.1	6.4	1.8
FR	83.9	5.5	8.9	1.7
HR	83.5	11.7	2.9	1.8
IT	80.1	12.8	6.2	0.8
CY	81.8	18.2	-	-
LV	80.2	14.8	4.1	0.9
LT	88.2	10.8	1.0	-
LU	83.6	12.2	4.3	-
HU	65.2	21.8	9.5	3.5
MT	83.1	16.9	-	-
NL	83.3	6.6	9.3	0.8
AT	72.4	9.6	11.3	6.6
PL	78.7	14.1	5.7	1.5
PT	88.9	6.0	4.1	1.0
RO	75.9	12.5	4.4	7.1
SI	86.3	11.6	2.1	-
SK	76.9	15.1	7.3	0.7
FI	84.6	9.7	5.0	0.7
SE	83.2	6.3	8.8	1.8
UK	84.7	5.3	8.4	1.6
AL	88.1	11.7	0.2	-
ME	95.6	2.6	1.8	-
MK	85.6	13.5	0.9	-
RS	74.0	23.6	1.2	1.2
TR				
IS	88.6	11.4	-	-
NO	88.9	5.3	4.8	1.1
CH	76.9	5.0	17.1	1.0

**Note:** If powered two-wheelers are included, they account for 2.14% of the total in EU-28, while the share of the other modes becomes:

<b>EU-28</b>	<b>80.1</b>	<b>8.8</b>	<b>7.2</b>	<b>1.7</b>
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## 2.3.4 PERFORMANCE OF PASSENGER TRANSPORT EXPRESSED IN PASSENGER-KILOMETRES

## Passenger Cars

	billion pkm							%
	1990	1995	2000	2005	2010	2013	2014	CHANGE '13/'14
<b>EU-28</b>		3 934.8	4 355.4	4 591.3	4 725.9	4 678.4	4 766.5	1.9
BE	89.5	96.4	102.5	102.8	109.4	109.8	109.6	-0.2
BG		25.0	26.9	35.1	46.9	51.4	54.0	5.0
CZ		54.5	63.9	68.6	63.6	64.7	66.3	2.5
DK	47.2	48.4	50.6	49.8	51.7	52.6	53.7	1.9
DE	683.1	815.3	831.3	856.9	887.0	903.1	920.8	2.0
EE		5.1	6.7	9.9	10.1	11.2	11.9	5.4
IE	28.5	31.6	34.6	44.4	48.1	48.0	47.2	-1.8
EL	35.0	44.0	63.0	85.0	99.6	95.8	96.9	1.1
ES	174.4	250.4	302.6	337.8	341.6	316.5	319.7	1.0
FR	611.1	671.7	744.5	788.1	796.9	805.5	815.7	1.3
HR		12.5	20.0	24.0	25.7	26.1	26.1	-0.3
IT	522.6	614.7	713.9	677.0	698.4	620.4	642.9	3.6
CY		3.4	3.9	4.8	5.9	5.9	6.1	2.3
LV		7.5	11.5	12.1	12.3	11.7	12.6	7.6
LT		16.0	26.0	34.8	32.6	33.3	24.3	-27.0
LU	4.0	4.7	5.6	6.3	6.5	6.9	7.1	4.1
HU	47.0	45.4	46.2	49.4	52.6	51.8	52.7	1.7
MT		1.7	1.8	2.0	2.2	2.3	2.4	5.3
NL	137.3	131.4	141.1	148.8	144.2	145.4	145.0	-0.3
AT	55.7	62.2	66.7	70.6	73.5	74.8	76.6	2.3
PL		110.7	130.1	152.3	188.8	213.1	218.9	2.7
PT	40.0	52.5	71.0	85.0	83.7	81.9	83.3	1.8
RO		40.0	51.0	61.0	75.5	80.4	85.2	6.0
SI	13.3	16.3	20.3	22.5	25.6	25.2	25.6	1.9
SK		18.0	23.9	25.8	26.9	27.2	27.3	0.4
FI	51.2	50.0	55.7	61.9	64.7	65.1	65.5	0.6
SE	85.9	87.6	101.4	107.4	108.0	107.6	114.9	6.8
UK	588.0	617.9	638.6	667.2	644.0	640.6	654.2	2.1
AL		4.8	5.1	6.6	5.5	7.6	8.5	12.2
ME					4.1	4.1	4.0	-1.2
MK			4.8	4.0	4.7	6.0	7.7	28.3
RS					30.6	27.1	27.9	3.0
TR	34.3	52.7	79.0	100.0	137.9	173.3	182.2	5.1
IS		3.0	3.8	4.6	5.0	5.0	5.2	5.1
NO	43.5	44.7	51.2	54.0	58.8	61.5	63.5	3.2
CH	73.3	69.6	75.0	77.8	83.8	88.3	89.7	1.6

**Notes:** Data is not harmonised and therefore not fully comparable. 2014 data may be provisional. Data sometimes includes activity of foreign vehicles performed within the country, therefore EU aggregates might be affected by double-counting. Generally vans are not considered in this table, but there may be exceptions. FR: passenger-km include transport activity on the territory of vehicles not registered in France. Includes foreign vans. UK: data refer to Great Britain only; include pkm by vans. DE: includes DE-E: 1970=24.5, 1980=56.0, 1990=90.3. CH: includes activity of foreign vehicles in the country. TR: excludes urban traffic. DK: figures exclude activity of vans with a mass higher than 2000 kg. PL: estimated activity.

## Buses &amp; Coaches

	billion pkm							%
	1990	1995	2000	2005	2010	2013	2014	CHANGE '13/'14
<b>EU-28</b>		<b>502.7</b>	<b>548.6</b>	<b>542.5</b>	<b>528.6</b>	<b>528.0</b>	<b>525.5</b>	<b>-0.5</b>
BE	11.4	13.1	13.3	17.5	17.4	21.5	22.2	3.2
BG	26.0	11.6	14.6	13.7	10.6	10.3	11.5	11.2
CZ		18.6	16.2	15.6	17.0	15.7	16.7	6.4
DK	6.4	7.3	7.4	7.2	6.8	6.5	6.6	1.8
DE	73.1	68.5	69.0	67.1	61.8	60.5	63.2	4.5
EE	4.5	2.0	2.6	2.7	2.1	2.4	2.4	-0.9
IE	3.9	5.2	7.0	7.9	8.5	8.1	10.2	25.4
EL	17.7	20.2	21.7	21.7	21.1	21.0	21.0	-0.1
ES	33.4	39.6	50.3	53.2	50.9	53.8	39.5	-
FR	40.6	41.2	42.0	43.9	50.3	52.5	53.4	1.7
HR	7.0	4.1	3.3	3.4	3.2	3.5	3.6	4.0
IT	84.0	87.1	93.4	101.0	102.2	101.8	102.8	1.0
CY		1.0	1.1	1.3	1.3	1.3	1.3	0.0
LV	5.9	1.8	2.3	2.9	2.3	2.3	2.3	0.5
LT	7.9	4.2	2.8	3.7	2.7	2.8	3.0	4.4
LU	0.5	0.5	0.6	0.8	0.9	1.0	1.0	1.1
HU	19.3	16.6	18.7	17.8	16.5	17.1	17.6	2.8
MT		0.4	0.5	0.5	0.5	0.5	0.5	4.9
NL	13.0	12.0	11.3	11.8	12.1	11.7	11.5	-1.8
AT	8.2	9.0	9.5	9.7	10.0	9.9	10.1	2.4
PL	46.3	34.0	59.2	49.2	41.7	37.8	39.2	3.6
PT	10.3	11.3	11.8	6.4	6.1	6.0	5.6	-6.6
RO	24.0	12.3	12.0	11.8	12.0	12.9	14.1	8.8
SI	6.5	4.1	3.5	3.1	3.2	3.3	3.4	3.8
SK		14.4	9.3	8.5	5.3	5.3	5.4	1.8
FI	8.5	8.0	7.7	7.5	7.5	7.5	7.5	0.0
SE	9.7	9.7	9.5	8.8	8.6	8.7	8.7	-0.1
UK	47.1	44.8	48.0	44.0	46.2	41.9	41.1	-1.9
AL	2.2	0.2	0.2	0.3	2.4	1.1	1.1	6.6
ME					0.1	0.1	0.1	-0.7
MK		0.9	0.9	1.1	1.4	1.4	1.2	-13.4
RS					9.4	9.2	8.9	-3.5
TR		85.7	87.4	95.0	89.1	94.8	93.9	-1.0
IS		0.4	0.5	0.6	0.6	0.6	0.7	5.2
NO	3.9	3.8	4.1	4.3	4.5	3.7	3.8	1.5
CH	3.3	5.5	4.8	5.3	5.5	5.8	5.9	1.4

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

Data for 2014 are mostly provisional.

CS: 1990: 43.4 (included in EU-28 totals).

ES: break in series between 2013 and 2014 due to a change in methodology. The two years are not comparable.

FR: the time series includes tram transport performance at province level.

AT: the time series includes an estimate for trolleybuses.

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

CH: includes activity of foreign vehicles in the country.

PL: includes long-distance transport and estimated data for urban transport.

## 2.3.6 PERFORMANCE OF PASSENGER TRANSPORT EXPRESSED IN PASSENGER-KILOMETRES

## Tram &amp; Metro

	billion pkm							%
	1990	1995	2000	2005	2010	2013	2014	CHANGE '13/'14
<b>EU-28</b>		73.7	80.9	86.8	96.8	100.0	101.6	1.6
BE	0.7	0.8	0.9	0.9	1.1	1.2	1.2	-0.9
BG	0.6	0.3	0.4	0.4	0.9	1.0	0.7	-27.8
CZ		7.7	8.1	7.9	9.0	9.6	9.6	-0.2
DK	-	-	-	0.2	0.2	0.3	0.3	3.5
DE	15.1	14.4	14.6	15.5	16.3	16.7	16.8	0.6
EE		0.1	0.1	0.1	0.2	0.2	0.2	-13.6
IE	-	-	-	0.1	0.1	0.1	0.2	6.8
EL	0.8	0.7	1.2	1.5	1.7	1.7	1.7	-0.1
ES	4.4	4.3	5.2	6.0	7.6	7.0	7.1	1.6
FR	10.5	9.3	11.6	13.6	15.0	15.7	16.2	3.1
HR		0.5	0.5	0.5	0.5	0.5	0.6	8.1
IT	4.2	5.2	5.6	6.0	7.1	6.6	6.8	2.9
CY	-	-	-	-	-	-	-	-
LV	0.7	0.3	0.3	0.3	0.1	0.1	0.1	1.7
LT	-	-	-	-	-	-	-	-
LU	-	-	-	-	-	-	-	-
HU		2.5	2.6	2.4	2.5	2.5	2.8	12.3
MT	-	-	-	-	-	-	-	-
NL	1.3	1.4	1.4	1.5	1.6	1.5	1.4	-1.8
AT	4.2	5.1	6.0	6.4	6.9	7.2	7.0	-2.8
PL		5.0	4.7	4.4	4.3	4.1	4.2	3.3
PT	0.7	0.5	0.5	0.8	1.1	0.9	1.0	2.7
RO		6.0	6.0	6.6	7.1	7.8	8.0	3.2
SI	-	-	-	-	-	-	-	-
SK		0.4	0.4	0.4	0.3	0.3	0.3	-6.7
FI	0.4	0.4	0.5	0.5	0.5	0.5	0.5	-2.2
SE	2.0	1.9	2.0	2.0	2.3	2.4	2.4	-0.2
UK	6.5	6.8	8.3	8.7	10.2	11.9	12.5	4.6
AL	-	-	-	-	-	-	-	-
ME	-	-	-	-	-	-	-	-
MK	-	-	-	-	-	-	-	-
RS					0.4	0.5	0.5	0.2
TR								
IS	-	-	-	-	-	-	-	-
NO	0.4	0.4	0.5	0.5	0.6	0.7	0.8	3.2
CH		1.5	1.4	0.8	1.0	1.1	1.1	0.9

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

Data for 2014 are mostly provisional.

FR: data refer to the Paris Metro, RER (Réseau Express Régional) systems, tramways d'Île-de-France (as of 2000) and metros in other French cities.

PT: data refer to Lisbon, Porto and Sul do Tejo Metro systems (the latter as from 2014).

ES: including metro of Malaga since 2014.

AT: it includes regional rail transport activity.

## Railways

	billion pkm							%	%
	1990	1995	2000	2005	2010	2013	2014	UNDER PSO (*) 2014	CHANGE '13/'14
<b>EU-28</b>	<b>404.1</b>	<b>350.3</b>	<b>371.5</b>	<b>377.4</b>	<b>405.3</b>	<b>424.7</b>	<b>428.2</b>	<b>68.1</b>	<b>0.8</b>
BE	6.5	6.8	7.7	8.5	10.6	10.9	11.0	90.4	0.8
BG	7.8	4.7	3.5	2.4	2.1	1.8	1.7	91.2	-6.8
CZ	13.3	8.0	7.3	6.7	6.6	7.5	7.6	93.2	1.8
DK	5.1	4.9	5.5	6.0	6.3	6.8	6.8	100.0	0.3
DE	61.0	71.0	75.4	76.8	83.9	89.6	89.5	60.1	-0.1
EE	1.5	0.4	0.3	0.2	0.2	0.2	0.3	93.4	25.6
IE	1.2	1.3	1.4	1.8	1.7	1.6	1.7		10.1
EL	2.0	1.6	1.9	1.9	1.4	1.1	1.1		1.5
ES	15.5	16.6	20.1	21.2	22.3	23.8	25.1		5.8
FR	63.7	54.2	69.4	76.0	85.6	87.4	86.7	38.2	-0.8
HR	3.4	1.1	1.3	1.2	1.7	0.9	0.9	100.0	-1.9
IT	44.7	46.7	49.6	50.1	47.2	48.7	50.0	66.7	2.5
CY	-	-	-	-	-	-	-	-	-
LV	5.4	1.4	0.7	0.9	0.7	0.7	0.6	89.8	-10.7
LT	3.6	1.1	0.6	0.3	0.2	0.3	0.3	67.2	-2.9
LU	0.2	0.3	0.3	0.3	0.3	0.4	0.4	100.0	-7.1
HU	11.4	8.4	9.7	9.9	7.7	7.8	7.7	95.5	-1.2
MT	-	-	-	-	-	-	-	-	-
NL	11.1	16.4	14.7	15.2	15.4	17.7	16.2	94.7	-8.4
AT	8.9	10.1	8.7	8.7	10.3	11.8	12.0	71.1	1.5
PL	50.4	26.6	24.1	17.9	17.5	16.7	15.9	86.2	-4.6
PT	5.7	4.8	4.0	3.8	4.1	3.6	3.9	65.0	5.6
RO	30.6	18.9	11.6	8.0	5.4	4.4	5.0	95.4	13.4
SI	1.4	0.6	0.7	0.7	0.7	0.7	0.6	98.5	-8.7
SK	6.4	4.2	2.9	2.2	2.3	2.5	2.6	91.0	3.9
FI	3.3	3.2	3.4	3.5	4.0	4.1	3.9	96.5	-4.4
SE	6.6	6.8	8.2	8.9	11.2	11.8	12.1	49.8	2.4
UK	33.4	30.3	38.4	44.6	55.8	62.0	64.7	96.1	4.5
AL	0.8	0.2	0.1	0.1	0.0	0.0	0.0		27.8
ME					0.1	0.1	0.1		4.1
MK		0.1	0.1	0.1	0.2	0.1	0.1		0.0
RS	4.5	2.3	1.2	0.7	0.5	0.6	0.5		-26.0
TR	6.4	5.8	5.8	5.0	5.5	3.8	4.4		16.4
IS	-	-	-	-	-	-	-	-	-
NO	2.1	2.4	2.6	2.7	3.1	3.3	3.4	74.4	4.3
CH	12.7	11.7	12.6	16.1	19.2	19.4	19.9		2.9

**Notes:** (\*) Public Service Obligation (PSO) means a requirement defined or determined by a competent authority in order to ensure public passenger transport services in the general interest that an operator, if it were considering its own commercial interests, would not assume or would not assume to the same extent or under the same conditions without reward.

BE: 2010 and 2012 pkm values based on quarter data from Eurostat.

UK: share of PSO excludes Northern Ireland.

EU-28 shares of PSO estimated on the basis of the available data.

Sources: Eurostat, International Transport Forum, UNECE, Union Internationale des Chemins de Fer, DG MOVE Rail Market Monitoring (BE 2012, 2013, 2014) national statistics, estimates (*in italics*).

Shares under PSO from Rail Market Monitoring (DG MOVE) and DG MOVE estimates

## 2.3.8 PERFORMANCE OF PASSENGER TRANSPORT EXPRESSED IN PASSENGER-KILOMETRES

## Rail

## HIGH-SPEED RAIL TRANSPORT (\*)

	billion pkm													EU-28	%
	BE	CZ	DE	ES	FR	IT	NL	PT	SI	FI	SE	UK			
1990	-	-	-	-	14.92	0.30	-	-	-	-	0.01	-	15.23		
1995	-	-	8.70	1.29	21.43	1.10	-	-	-	-	0.42	-	32.94	7.2	
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	
2009	1.06	0.24	22.56	11.51	51.86	10.75	0.92	0.53	0.02	0.60	3.05	1.01	104.10	6.7	
2010	1.06	0.27	23.90	11.72	51.89	11.61	0.29	0.52	0.02	0.65	2.94	1.01	105.87	1.7	
2011	0.91	0.29	23.31	11.23	52.04	12.28	0.31	0.47	0.01	0.71	2.83	4.36	108.74	2.7	
2012	0.91	0.27	24.75	11.18	51.09	12.79	0.32	0.46	0.01	0.71	2.95	4.36	109.80	1.0	
2013	0.91	0.25	25.18	12.74	50.79	12.79	0.36	0.47	0.01	0.76	3.06	4.36	111.67	1.7	
2014	0.91	0.25	24.32	12.79	50.66	12.79	0.24	0.54	0.01	0.65	3.23	4.36	110.74	-0.8	

**Note:** 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 2.5.4.

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

														EU-28	%
	BE	CZ	DE	ES	FR	IT	NL	PT	SI	FI	SE	UK			
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	56.6	16.9	4.5	12.9	-	8.9	26.1	1.0	21.2		
2006	10.4	2.1	27.8	12.2	56.4	17.5	4.6	13.1	-	12.4	25.9	1.9	21.6		
2007	10.2	4.8	27.7	11.9	58.8	17.7	4.9	12.7	-	15.4	27.0	2.8	22.4		
2008	10.4	3.7	28.8	22.9	60.7	17.9	5.3	12.5	1.7	15.4	27.0	1.9	23.8		
2009	10.2	3.6	27.4	49.7	60.3	22.3	5.6	12.7	1.9	15.6	27.0	1.9	25.7		
2010	10.0	4.1	28.8	52.3	60.4	24.5	1.9	12.6	1.9	16.4	26.3	1.8	26.1		
2011	8.5	4.2	27.4	49.3	58.5	26.2	1.8	11.2	1.7	18.3	24.8	7.5	26.2		
2012	8.3	3.7	28.0	49.7	57.4	28.7	1.9	12.1	1.6	17.5	25.0	7.2	26.1		
2013	8.3	3.3	28.3	53.6	58.1	26.3	2.1	12.7	1.6	18.7	25.8	7.0	26.3		
2014	8.3	3.2	27.2	50.9	58.4	25.6	1.5	14.0	1.3	16.8	26.6	6.7	25.9		



## USA

## PERFORMANCE BY MODE OF TRANSPORT: PASSENGERS

	billion 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
2000	6 372.2	24.9	31.1	505.5	17.3	834.6	7 785.6
2005	6 952.4	28.2	31.9	449.1	18.0	939.5	8 418.9
2010	5 866.7	32.0	36.7	470.0	20.8	908.8	7 335.1
2011	5 874.5	32.1	38.4	471.3	22.0	926.4	7 364.7
2012	5 905.1	37.1	39.1	504.6	21.9	934.2	7 441.9
2013	5 935.5	35.3	39.9	517.7	23.0	949.0	7 500.5
2014	6 005.9	34.6	40.3	546.1	23.0	978.1	7 628.0

## AVERAGE ANNUAL CHANGE

	% per year						
	PASSENGER CARS (*)	MOTOR-CYCLES	RAILWAY	BUS	LIGHT AND COMMUTER RAIL	AIR	TOTAL
2005	1.0	-8.0	-0.3	-2.7	-1.1	4.6	1.1
2010	0.5	-11.3	0.5	-4.3	-2.8	2.3	0.4
2011	0.1	0.2	4.6	0.3	5.6	1.9	0.4
2012	0.5	15.6	1.6	7.0	-0.5	0.8	1.0
2013	0.5	-4.8	2.2	2.6	5.1	1.6	0.8
2014	1.2	-1.9	0.8	5.5	-0.2	3.1	1.7
'90/'95	1.5	-2.8	-1.7	2.3	3.5	3.2	1.7
'95/'00	2.2	7.5	3.7	18.2	3.4	5.1	3.3
'00/'14	-0.5	2.7	1.9	0.2	2.2	1.0	-0.3

## 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	81.8	0.3	0.4	6.5	0.2	10.7
2005	82.6	0.3	0.4	5.3	0.2	11.2
2010	80.0	0.4	0.5	6.4	0.3	12.4
2011	79.8	0.4	0.5	6.4	0.3	12.6
2012	79.3	0.5	0.5	6.8	0.3	12.6
2013	79.1	0.5	0.5	6.9	0.3	12.7
2014	78.7	0.5	0.5	7.2	0.3	12.8

Note: (\*) It includes: light duty vehicles, short wheel base and long wheel base.

## Air: PASSENGER TRAFFIC BETWEEN MEMBER STATES

REPORTER	TOTAL PASSENGERS CARRIED (*)													
	PARTNER													
	BE	BG	CZ	DK	DE	EE	IE	EL	ES	FR	HR	IT	CY	LV
BE	39.0	176.6	301.2	484.4	1555.8	45.9	418.4	949.7	5 016.3	2016.2	165.9	3 309.7	51.6	82.0
BG	170.6	166.6	210.3	67.8	1 406.3	25.3	27.3	96.8	282.7	205.0	0.9	366.7	63.9	28.7
CZ	301.9	213.0	88.9	200.2	1 054.1	0.4	152.9	658.0	622.2	883.5	52.6	904.5	22.9	33.3
DK	484.7	67.7	200.2	1 952.1	2 769.4	113.1	270.9	766.8	2 449.3	1 380.2	148.9	1 235.7	62.8	176.3
DE	1 543.2	1 424.9	1 027.4	2 750.5	22 789.1	314.2	1 641.0	5 097.1	24 323.1	7 238.4	1 467.2	11 665.6	215.4	660.1
EE	45.8	25.3	0.3	113.2	316.9	16.6	6.3	24.9	67.1	17.7	5.6	53.5	1.8	184.3
IE	417.7	27.7	152.0	270.9	1 648.8	6.1	61.6	79.1	3 073.3	1 723.0	88.2	1 026.4		115.4
EL	977.8	102.1	662.3	770.6	5 116.8	25.2	79.7	6 267.2	370.7	2 073.6	17.8	2 650.1	1 154.1	45.5
ES	5 046.4	284.3	622.8	2 437.2	24 574.6	69.0	3 084.6	375.0	29 206.5	10 924.9	165.2	10 465.6	10.1	103.4
FR	1 827.8	199.9	850.5	1 283.5	7 340.0	17.3	1 647.8	1 878.7	9 875.0	28 372.5	456.6	9 992.8	73.0	157.3
HR	155.5	1.0	52.2	148.4	1 434.8	5.4	88.2	29.1	161.7	485.8	465.0	240.2	0.1	0.2
IT	3 340.1	365.5	901.2	1 241.9	11 676.1	52.6	1 012.9	2 641.2	10 426.4	10 392.5	210.3	29 175.1	53.6	206.2
CY	51.6	64.0	17.7	62.3	212.7	1.7	0.0	1 170.4	10.1	101.5	0.3	51.5	0.0	13.7
LV	82.2	28.6	33.3	176.4	664.0	184.9	115.3	46.4	97.4	158.3	6.3	207.0	13.8	0.1
LT	92.2	34.4	12.4	206.8	376.1	55.8	173.6	91.1	160.4	110.5	4.6	262.7	34.0	200.7
LU	0.2	23.2	0.2	83.0	342.4	0.0	18.4	54.3	297.8	122.4	3.2	186.4	0.3	0.0
HU	455.5	23.4	55.6	143.1	1 403.2	0.0	179.6	173.3	380.6	470.1	46.2	746.5	47.5	23.0
MT	89.6	26.7	16.9	67.6	598.5	0.3	59.4	20.9	123.4	277.7	3.2	818.1	20.9	8.2
NL	220.1	208.6	533.9	1 381.8	3 710.7	83.7	825.3	1 384.2	5 879.1	3 193.5	158.9	3 892.6	77.8	161.0
AT	432.1	423.2	157.0	438.0	6 774.6	4.9	118.3	851.0	1 448.8	1 029.0	276.9	1 247.3	202.6	85.5
PL	527.9	283.2	163.1	491.4	3 302.6	33.3	878.9	1 064.5	1 316.9	1 006.2	66.5	1 422.8	102.4	81.2
PT	1 174.4	0.8	94.1	297.1	3 341.3	16.5	759.1	4.0	2 927.0	4 743.3	27.5	1 303.8	0.0	1.1
RO	342.2	48.2	81.2	30.6	1 594.2		122.9	260.0	1 069.4	729.1	1.0	2 105.8	115.0	11.1
SI	93.2	1.2	10.1	18.6	214.6	0.3		58.0	5.0	76.9	0.2	1.0	3.3	
SK	55.5	68.4	58.7	0.1	1.6	0.1	97.7	126.9	93.3	33.5	1.9	211.8	14.4	0.2
FI	185.3	37.9	210.8	803.7	1 716.2	227.2	21.1	384.2	1 471.7	587.7	100.7	544.1	49.8	271.9
SE	450.9	53.5	180.8	1 854.6	2 762.5	109.1	106.2	981.8	2 864.3	1 140.9	241.6	776.3	207.2	178.9
UK	1 439.7	1 004.4	1 506.4	2 983.4	12 472.0	146.7	10 384.1	5 609.5	34 259.3	11 428.9	975.7	11 922.2	2 292.3	608.3

Note: (\*) 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

2014

## INCLUDING DOMESTIC FLIGHTS (1 000)

LT	LU	HU	MT	NL	AT	PL	PT	RO	SI	SK	FI	SE	UK
93.1	0.2	456.5	91.5	226.7	434.1	529.8	1 174.0	343.2	93.1	55.9	186.6	451.0	1 439.8
34.4	21.9	26.8	28.2	208.1	424.0	281.7	0.8	47.8	1.2	87.9	37.5	53.5	950.6
12.3	0.2	59.2	17.0	533.9	158.6	164.0	93.1	82.2	10.0	68.4	211.8	180.2	1 512.9
207.3	83.2	143.7	67.2	1 380.3	439.8	491.0	292.9	30.6	18.3	0.1	809.2	1 892.7	2 981.4
376.1	341.6	1 410.7	598.1	3 694.2	6 762.0	3 279.9	3 302.3	1 612.4	214.2	1.6	1 717.7	2 778.4	12 519.0
56.0			0.4	83.6	4.9	33.2	16.4	0.1	0.3	0.1	214.3	108.7	148.0
178.4	18.9	179.7	60.0	826.0	119.1	884.3	757.5	123.3		100.5	22.2	106.0	10 413.9
90.3	55.1	176.3	25.7	1 457.1	853.1	1 049.6	4.3	277.9	66.6	135.4	389.8	1 001.5	5 637.9
155.9	305.7	381.3	124.2	5 917.2	1 436.0	1 328.6	2 887.9	1 091.0	6.8	95.4	1 493.8	2 999.0	34 498.7
109.7	122.1	466.8	272.8	2 859.1	1 029.0	958.2	4 352.9	713.4	76.0	30.5	587.9	1 129.2	10 415.5
0.5	3.2	0.4	3.2	157.3	270.0	66.6	30.1	1.0	0.1	0.9	101.9	235.5	947.3
264.7	190.3	747.0	823.3	3 887.0	1 248.3	1 414.3	1 298.6	2 114.0	0.9	213.9	547.7	778.1	11 919.7
34.6	0.3	47.9	20.9	77.7	203.6	99.4	0.0	114.2	0.1	3.3	44.2	214.7	2 311.7
203.0	0.0	23.1	8.3	160.8	85.6	80.7	1.0	11.1	0.0	0.6	273.0	179.1	613.7
0.2	0.1	0.3	22.7	67.1	55.7	100.5	3.0	0.0	0.3	0.0	80.1	66.7	729.4
0	0.6	0.2	2.8	134.3	79.9	0.3	278.5	0.0	0.0	0.1	0.5	12.3	382.2
0.0	0.0	0.2	56.0	588.8	107.3	172.5	80.5	85.4	0.2	0.3	215.0	284.7	1 418.8
22.7	2.7	55.3	0.0	111.7	95.5	69.0	1.1	26.6	3.8	6.3	0.0	78.0	1 227.5
67.6	135.3	619.7	113.5	0.5	802.2	763.8	1 557.4	472.0	18.2	0.1	518.8	1 097.9	8 785.7
55.6	80.2	107.2	95.6	800.3	579.0	287.7	137.8	488.4	61.6	54.1	179.0	301.9	1 612.5
100.9	0.3	173.2	69.4	749.3	287.3	1 477.4	144.4	102.1	9.0	1.7	211.0	764.4	5 305.3
3.0	285.9	76.0	1.2	1 566.9	138.6	143.9	2 959.7	50.9	0.5	0.2	120.6	192.0	6 156.3
	0.0	84.0	26.8	469.5	486.5	103.0	47.8	502.0	0.0	0.0	0.6	35.0	1 098.1
0.3		0.1	3.8	18.0	61.4	9.0					30.2	0.1	139.1
	0.0	0.2	5.6	0.0	53.9	0.3	0.3	0.1	0.0	22.2	0.6	0.2	497.4
80.2	0.5	213.5	0.0	514.9	178.6	209.7	114.7	1.3	29.9	0.7	2 516.2	1 591.8	1 108.5
67.2	12.6	284.6	79.0	976.0	311.3	781.0	186.0	35.4	0.2	0.2	1 585.9	7 355.1	2 597.6
738.0	382.7	1 506.8	1 230.8	8 742.1	1 619.8	5 206.3	6 092.3	1 154.0	139.9	509.4	1 114.7	2 598.3	21 861.5

## Air: MAJOR EUROPEAN AIRLINES

### DOMESTIC + INTERNATIONAL

RANKING	BILLION REVENUE PASSENGER-KILOMETRES						%	
	AIRLINE		2000	2005	2010	2013		2014
1	Lufthansa	DE	92.160	108.185	129.668	153.334	156.826	2.3
2	British Airways	UK	119.385	107.892	106.082	131.333	138.431	5.4
3	Air France <sup>(1)</sup>	FR	91.848	115.163	125.165	136.435	136.475	0.0
4	THY Turkish Airlines	TR	17.396	21.318	47.950	92.000	106.913	16.2
5	Ryanair <sup>(2)</sup>	IE	4.772	31.205	72.149	96.324	103.733	7.7
6	KLM Royal Dutch Airlines <sup>(1)</sup>	NL	60.336	68.322	76.065	89.039	91.477	2.7
7	Easyjet <sup>(3)</sup>	UK	3.926	27.448	56.128	67.573	72.933	7.9
8	Air Berlin	DE	7.813	20.527	46.960	48.575	49.270	1.4
9	Iberia	ES	40.049	49.060	51.242	41.493	42.686	2.9
10	Virgin Atlantic Airways	UK	31.315	32.118	38.158	39.538	37.664	-4.7
11	Norwegian	NO		2.703	13.774	26.881	37.615	39.9
12	SWISS Intern. Airlines	CH	3.481	21.164	29.522	35.093	35.717	1.8
13	SAS Scandinavian Airlines	SE/ DK/ NO	22.922	27.724	23.497	32.658	34.594	5.9
14	Alitalia <sup>(4)</sup>	IT	40.846	37.969	33.344	34.928	34.511	-1.2
15	Thomson Airways	UK	20.300	23.337	32.714	31.575	31.652	0.2
16	TAP Portugal	PT	10.414	14.536	23.651	28.152	30.119	7.0
17	Condor	DE		22.245	19.888	24.621	25.916	5.3
18	Finnair	FI	12.587	16.735	19.222	24.776	24.772	0.0
19	Air Europa	ES	8.831	13.442	17.180	19.427	21.980	13.1
20	Vueling	ES		1.661	9.932	17.109	21.445	25.3
21	Wizz Air	HU			12.278	18.017	20.867	15.8
22	Thomas Cook Airlines	UK	14.292	14.220	27.385	19.809	20.696	4.5
23	TUIfly	DE		18.626	10.708	18.000	18.500	2.8
24	Austrian Airlines	AT	17.967	22.894	17.494	17.705	18.428	4.1
25	Aer Lingus	IE	8.808	12.563	13.895	14.807	16.088	8.7
26	Monarch	UK	13.658	13.549	15.127	15.281	15.705	2.8
27	Germanwings	DE		4.519	6.966	8.137	13.033	60.2
28	Transavia Airlines	NL	7.921	8.726	10.644	12.254	12.755	4.1
29	Jet2	UK		3.105	6.219	10.807	12.255	13.4
30	SN Brussels Airlines	BE	3.418	4.559	7.313	9.772	10.756	10.1
31	SunExpress	TR	1.969	3.938	10.840	9.777	10.107	3.4
32	Thomas Cook Scandinavia	DK	10.118	7.500	8.354	9.083	8.829	-2.8

Notes: Scheduled and non-scheduled flights.

(<sup>1</sup>) Air France and KLM merged in 2004 to build Air France KLM Group.

(<sup>2</sup>) Ryanair: year up to 30 March of the following year.

(<sup>3</sup>) Easyjet: financial year up to 30 September of the year indicated.

(<sup>4</sup>) Air One merged with Alitalia at the end of 2008.

## Air: PASSENGER TRAFFIC AT MAJOR EU AIRPORTS

### PASSENGERS CARRIED (\*)

RANKING	AIRPORT AND COUNTRY		(arriving + departing + in transit) MILLION PASSENGERS					% CHANGE '13/'14
			2000	2005	2010	2013	2014	
1	London/Heathrow	UK	64.29	67.68	65.74	72.33	73.37	1.44
2	Paris/Charles de Gaulle	FR	<i>49.67</i>	53.38	57.95	61.89	63.65	2.84
3	Frankfurt (Main)	DE	48.96	51.79	52.65	57.88	59.41	2.65
4	Amsterdam/Schiphol	NL	39.27	44.08	45.15	52.54	54.96	4.59
5	Madrid/Barajas	ES	32.71	41.72	49.80	39.66	41.54	4.74
6	München	DE	22.87	28.45	34.52	38.52	39.57	2.73
7	Roma/Fiumicino	IT	25.94	27.78	35.95	35.94	38.24	6.42
8	London/Gatwick	UK	31.95	32.69	31.34	35.43	38.09	7.52
9	Barcelona/El Prat	ES	19.44	27.02	29.18	35.18	37.42	6.37
10	Paris/Orly	FR	23.83	24.85	25.16	28.25	28.84	2.10
11	København/Kastrup	DK	18.11	19.82	21.39	23.97	25.53	6.51
12	Palma de Mallorca	ES	19.25	21.22	21.08	22.74	23.08	1.48
13	Wien/Schwechat	AT	11.92	15.80	19.62	22.04	22.47	1.96
14	Stockholm/Arlanda	SE	<i>18.61</i>	17.16	16.96	20.67	22.43	8.48
15	Manchester	UK	18.32	22.08	17.66	20.68	21.95	6.14
16	Düsseldorf	DE	15.91	15.39	18.91	21.20	21.82	2.93
17	Brussel-Bruxelles/Brussels	BE	21.60	15.95	16.98	18.98	21.75	14.58
18	Dublin	IE	<i>13.66</i>	18.33	18.41	20.14	21.69	7.70
19	Berlin/Tegel	DE	10.24	11.47	14.97	19.58	20.67	5.58
20	London/Stansted	UK	11.86	21.99	18.56	17.84	19.93	11.71
21	Milano/Malpensa	IT	20.55	19.49	18.71	17.78	18.66	4.96
22	Lisboa	PT	9.21	11.24	14.05	16.03	18.16	13.31
23	Helsinki/Vantaa	FI	10.00	11.13	12.86	15.27	15.94	4.41
24	Athinai/ Eleftherios Venizelos	EL	<i>13.35</i>	14.27	15.30	12.47	15.19	21.81
25	Hamburg	DE	9.82	10.57	12.88	13.48	14.74	9.32
26	Malaga	ES	<i>9.36</i>	12.61	12.02	12.87	13.70	6.42
27	Nice/Côte d'Azur	FR	9.33	9.74	9.59	11.54	11.66	1.00
28	Praha/Ruzyně	CZ	5.55	10.72	11.51	10.95	11.13	1.64
29	Warszawa/Chopin	PL	4.33	7.08	8.73	10.70	10.60	-0.88
30	London/Luton	UK	<i>6.16</i>	9.13	8.73	9.69	10.48	8.13
31	Edinburgh	UK	5.37	8.45	8.59	9.77	10.16	3.93
32	Las Palmas/Gran Canaria	ES	9.12	9.69	9.28	9.54	10.11	6.07
33	Alicante	ES	5.98	8.93	9.37	9.62	10.05	4.50
34	Birmingham	UK	<i>7.49</i>	9.31	8.56	9.11	9.69	6.33
35	Stuttgart	DE	7.98	9.25	9.14	9.55	9.69	1.50
36	Köln-Bonn	DE	6.19	9.39	9.79	9.05	9.42	4.05
37	Budapest/Ferihegy	HU	4.68	7.92	8.17	8.44	9.05	7.27
38	Tenerife Sur/Reina Sofia	ES	<i>8.72</i>	8.78	7.19	8.57	9.05	5.71
39	Milano/Linate	IT	6.02	9.09	8.30	8.98	8.98	0.01
40	Bergamo/Orio al Serio	IT	<i>1.24</i>	4.29	7.66	8.95	8.74	-2.34

**Note:** (\*) '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

RANKING	(arriving + departing from first named airport)	1 000				%
		2005	2010	2013	2014	
AIRPORT PAIRS					CHANGE '13/'14	
1	Toulouse/Blagnac - Paris/Orly	2327.1	2193.7	2379.1	2330.9	-2.0
2	Madrid/Barajas - Barcelona	4358.3	3083.8	2213.2	2204.8	-0.4
3	Nice/Côte d'Azur - Paris/Orly	2262.9	2104.6	2160.3	2072.1	-4.1
4	Catania/Fontanarossa - Roma/Fiumicino	1368.7	1717.8	1566.8	1869.9	19.3
5	München - Berlin/Tegel	1419.2	1580.0	1831.7	1868.9	2.0
6	Frankfurt (Main) - Berlin/Tegel	1545.6	1609.4	1845.6	1792.0	-2.9
7	München - Hamburg	1450.5	1653.0	1713.5	1757.0	2.5
8	Dublin - London/Heathrow	2086.3	1491.3	1663.6	1651.0	-0.8
9	Düsseldorf - München	1381.5	1533.4	1558.2	1527.4	-2.0
10	London/Heathrow - Frankfurt (Main)	1530.4	1266.1	1497.1	1506.8	0.6
11	London/Heathrow - Amsterdam/Schiphol	1895.0	1332.9	1443.4	1486.8	3.0
12	Roma/Fiumicino - Palermo/Punta Raisi	1111.2	1418.6	1269.4	1482.0	16.7
13	Edinburgh - London/Heathrow	1659.5	1241.2	1356.2	1473.3	8.6
14	Roma/Fiumicino - Milano/Linate	2418.8	1521.7	1415.6	1454.1	2.7
15	København/Kastrup - Stockholm/Arlanda	1194.1	1166.0	1325.7	1444.4	9.0
16	Palma De Mallorca - Barcelona	1689.3	1532.5	1388.9	1410.2	1.5
17	Wien/Schwechat - Frankfurt (Main)	675.9	952.0	1311.0	1349.6	2.9
18	Frankfurt (Main) - Hamburg	1288.3	1480.6	1362.4	1343.9	-1.4
19	Köln-Bonn - Berlin/Tegel	916.6	1026.9	1288.2	1321.3	2.6
20	Thessaloniki - Athina/Eleftherios Venizelos	1113.5	1183.1	875.2	1303.0	48.9
21	Palma de Mallorca - Madrid/Barajas	1641.5	1698.9	1224.7	1283.4	4.8
22	London/Heathrow - Madrid/Barajas	1118.9	1093.4	1264.8	1274.7	0.8
23	Barcelona - London/Gatwick	556.1	376.7	1131.9	1274.1	12.6
24	London/Heathrow - Paris/Charles de Gaulle	2011.1	1300.1	1209.9	1247.8	3.1
25	Barcelona - Amsterdam/Schiphol	1108.0	1066.1	1187.3	1219.8	2.7
26	Las Palmas/Gran Canaria - Madrid/Barajas	1388.1	1553.7	1152.9	1181.4	2.5
27	London/Heathrow - München	918.8	975.4	1161.9	1178.4	1.4
28	Palma De Mallorca - Düsseldorf	980.5	911.9	1103.0	1172.3	6.3
29	Amsterdam/Schiphol - Paris/Charles de Gaulle	1038.7	990.2	1126.7	1159.1	2.9
30	Barcelona - Paris/Charles de Gaulle	876.3	860.8	1006.8	1138.7	13.1
31	Roma/Fiumicino - Paris/Charles de Gaulle	1240.4	1195.4	1106.1	1134.5	2.6
32	Ponte-à-Pitre (Guadeloupe)/ Pôle Caraïbes - Paris/Orly	987.6	1033.8	1111.7	1127.8	1.5
33	Düsseldorf - Berlin/Tegel	657.8	930.2	1082.7	1113.5	2.8
34	Frankfurt (Main) - München	1303.1	958.4	1099.9	1095.4	-0.4
35	Tenerife Norte - Madrid/Barajas	1359.4	1319.7	1102.7	1094.8	-0.7
36	Malaga - London/Gatwick	978.6	910.4	1012.6	1062.8	5.0
37	Paris/Charles de Gaulle - Frankfurt (Main)	985.4	928.7	1039.6	1052.7	1.3
38	Stockholm/Arlanda - Helsinki/Vantaa	840.3	812.5	982.9	1035.3	5.3
39	Amsterdam/Schiphol - Roma/Fiumicino	681.3	810.9	956.6	1028.9	7.6
40	Lisboa - Madrid/Barajas	742.3	1172.0	977.8	1028.2	5.2

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

### TOTAL PASSENGERS CARRIED

RANKING	(arriving + departing from first named airport)					%
		2005	2010	2013	2014	CHANGE '13/'14
	<b>AIRPORT PAIRS</b>					
1	London/Heathrow - New York/J.F. Kennedy Intl, NY, USA	2940	2517	3015	2972	-1.4
2	London/Heathrow - Dubai Intl, United Arab Emirates	1183	1787	2240	2438	8.8
3	London/Heathrow - Hong Kong Intl, China	1258	1386	1382	1564	13.2
4	København/Kastrup - Oslo/Gardermoen, Norway	1247	1132	1315	1395	6.1
5	Paris/Charles de Gaulle - New York/J.F. Kennedy Intl, NY, USA	1730	1190	1407	1369	-2.7
6	London/Heathrow - Los Angeles Intl, CA, USA	1383	1189	1340	1355	1.1
7	Stockholm/Arlanda - Oslo/Gardermoen, Norway	937	1007	1195	1343	12.3
8	London/Heathrow - Newark/Liberty Intl, NJ, USA	740	1092	1180	1168	-0.9
9	London/Heathrow - Chicago/O'Hare Intl, IL, USA	1522	1137	1182	1160	-1.8
10	London/Heathrow - Singapore/Changi, Singapore	996	1022	1150	1125	-2.2
11	Paris/Charles de Gaulle - Montreal/Pierre Elliot Trudeau Intl, Canada	929	1148	1099	1108	0.8
12	London/Heathrow - New Delhi/Indira Gandhi Intl, India	384	918	1043	1067	2.4
13	Paris/Charles de Gaulle - Dubai Intl, United Arab Emirates	439	716	969	1064	9.8
14	London/Heathrow - Zürich, Switzerland	905	877	1039	1049	1.0
15	London/Heathrow - Mumbai/Chhatrapati Shivaji Intl, India	725	957	1046	1048	0.2
16	London/Heathrow - Toronto/Lester B. Pearson Intl, Canada	1067	941	1014	1037	2.2
17	London/Heathrow - Genève/Cointrin, Switzerland	570	859	971	1019	4.9
18	London/Heathrow - Miami Intl, FL, USA	878	822	1010	1008	-0.2
19	Berlin/Tegel - Zürich, Switzerland	467	801	931	955	2.6
20	Wien/Schwechat - Zürich, Switzerland	597	778	934	951	1.8
21	London/Heathrow - Johannesburg Intl, South Africa	995	886	915	940	2.7
22	London/Heathrow - San Francisco Intl, CA, USA	1005	861	978	938	-4.2
23	London/Heathrow - Istanbul/Atatürk, Turkey	525	725	906	924	2.0
24	Düsseldorf - Antalya, Turkey	802	684	865	908	5.0
25	London/Heathrow - Boston/Gen. E. Lawrence Logan Intl, MA, USA	929	866	894	891	-0.3
26	London/Heathrow - Washington/Dulles Intl, DC, USA	1074	921	932	885	-5.0
27	Paris/Orly - Alger, Algeria	640	577	767	857	11.8
28	Paris/Charles de Gaulle - Istanbul/Atatürk, Turkey	415	688	776	827	6.4
29	Frankfurt (Main) - Istanbul/Atatürk, Turkey	661	638	817	822	0.6
30	London/Gatwick - Genève, Switzerland	643	624	783	817	4.3
31	Frankfurt (Main) - Dubai Intl, United Arab Emirates	491	679	828	812	-2.0
32	Manchester - Dubai Intl, United Arab Emirates	370	566	769	800	4.0
33	Paris/Charles de Gaulle - Tel Aviv/Ben Gurion, Israel	608	710	818	789	-3.6
34	Paris/Charles de Gaulle - Moscow/Sheremetyevo, Russia	515	642	797	782	-1.9
35	London/Gatwick - Dubai Intl, United Arab Emirates	483	629	716	775	8.2
36	Paris/Charles de Gaulle - Zürich, Switzerland	630	695	691	746	7.9
37	Amsterdam/Schiphol - Dubai Intl, United Arab Emirates	231	434	610	745	22.0
38	Madrid/Barajas - Buenos Aires/Ezeiza Ministro Pizarini, Argentina	873	858	773	744	-3.7
39	Frankfurt (Main) - New York/J.F. Kennedy Intl, NY, USA	726	661	683	734	7.5
40	Amsterdam/Schiphol - Antalya, Turkey	753	614	746	721	-3.3

## 2.4.5 PERFORMANCE OF FREIGHT AND PASSENGER TRANSPORT USING OTHER INDICATORS

## Air: FREIGHT TRAFFIC AT MAJOR EU AIRPORTS

### CARGO AND MAIL LOADED AND UNLOADED

RANKING	1 000 TONNES					CHANGE '13/'14	
	AIRPORT AND COUNTRY	2000	2005	2010	2013		2014
1	Frankfurt (Main) DE	1 703.4	1 950.6	2 270.2	2 094.7	2 131.6	1.76
2	Paris/Charles de Gaulle FR	<i>1 067.0</i>	1 217.8	1 292.5	1 494.9	2 033.2	36.01
3	Amsterdam/Schiphol NL	1 222.5	1 495.6	1 538.0	1 566.0	1 670.7	6.69
4	London/Heathrow UK	<i>1 306.8</i>	<i>1 389.3</i>	<i>1 551.3</i>	<i>1 513.7</i>	<i>1 585.9</i>	4.77
5	Leipzig-Halle DE	13.7	12.3	637.8	877.3	904.1	3.06
6	Köln-Bonn DE	438.3	646.8	638.2	721.7	736.4	2.04
7	Luxembourg LU	499.9	624.8	705.8	673.4	707.2	5.01
8	Liège/Bierset BE	270.3	325.7	508.5	534.2	581.8	8.91
9	Milano/Malpensa IT	295.7	383.8	432.7	430.3	469.7	9.14
10	Brussel-Bruxelles/Brussels BE	687.4	694.5	385.0	378.7	408.0	7.76
11	Madrid/Barajas ES	305.2	360.3	400.5	367.0	376.8	2.67
12	München DE	148.4	218.2	291.1	287.7	309.1	7.44
13	Nottingham East Midlands UK	178.8	292.1	304.0	296.9	307.2	3.49
14	London/Stansted UK	167.8	254.8	229.8	236.3	225.9	-4.40
15	Wien/Schwechat AT	65.9	180.0	231.8	190.5	210.3	10.40
16	København/Kastrup DK	<i>419.4</i>	<i>355.1</i>	138.1	136.8	200.0	46.20
17	Helsinki/Vantaa FI	96.1	114.9	157.5	187.2	187.4	0.10
18	Roma/Fiumicino IT	<i>153.3</i>	131.9	164.4	141.9	143.0	0.75
19	Dublin IE	35.5	64.1	105.3	113.5	127.4	12.31
20	Frankfurt/Hahn DE	75.0	100.9	164.5	133.3	126.9	-4.81
21	Bergamo/Orio al Serio IT	98.9	135.1	105.8	115.9	122.5	5.64
22	Paris/Orly FR	<i>107.3</i>	80.0	53.7	63.7	114.1	79.07
23	Lisboa PT	114.6	100.0	105.2	96.8	103.2	6.55
24	Düsseldorf DE	59.4	56.5	87.1	90.6	97.0	7.12
25	Barcelona ES	88.1	94.5	105.9	98.2	95.3	-2.94
26	Manchester UK	116.6	150.0	116.6	96.7	93.1	-3.69
27	London/Gatwick UK	318.8	232.1	108.6	100.4	92.7	-7.67
28	Stockholm/Arlanda SE	154.0	<i>158.0</i>	99.4	71.3	85.2	19.47
29	Zaragoza ES	3.5	3.8	42.1	71.6	76.1	6.34
30	Warszawa/Okecie PL	44.6	31.1	57.1	64.2	68.6	6.90
31	Budapest/Ferihegy HU	43.5	55.5	65.3	64.2	62.0	-3.42
32	Toulouse/Blagnac FR	37.8	56.2	52.3	61.0	58.1	-4.75
33	Maastricht-Aachen NL	44.3	54.6	62.0	54.0	56.7	4.93
34	Athinai/Eleftherios Venizelos EL	123.4	100.7	82.3	62.7	56.3	-10.24
35	Marseille/Provence FR	36.0	51.0	59.6	56.2	54.9	-2.19
36	Praha/Ruzyne CZ		51.6	58.2	51.9	50.9	-1.95
37	Lyon/Saint Exupéry FR	27.4	38.7	35.2	45.4	49.1	8.15
38	Belfast UK	30.9	51.3	43.9	44.0	46.0	4.49
39	Berlin/Tegel airport DE	33.1	19.0	21.5	33.2	40.9	22.91
40	Venezia Tessera IT		12.3	29.4	37.7	40.3	6.74

**Note:** 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 the Leipzig airport in 2008 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)						1 000	%
	AIRPORT AND COUNTRY		2005	2010	2012	2013	2014	CHANGE '13/'14
1	London/Heathrow	UK	472.0	449.2	471.5	469.6	470.7	0.2
2	Paris/Charles de Gaulle	FR	543.4	491.9	491.7	472.6	465.6	-1.5
3	Frankfurt (Main)	DE	475.6	456.0	475.5	465.7	462.0	-0.8
4	Amsterdam/Schiphol	NL	408.2	390.4	427.5	430.1	442.7	2.9
5	München	DE	382.3	368.2	387.9	368.4	360.9	-2.1
6	Madrid/Barajas	ES	406.3	426.9	368.6	326.0	335.0	2.8
7	Roma/Fiumicino	IT	299.6	327.3	309.3	298.0	305.6	2.6
8	Barcelona	ES	294.3	268.5	281.6	267.7	275.0	2.7
9	London/Gatwick	UK	252.0	233.5	240.4	244.3	254.5	4.2
10	København/Kastrup	DK	262.1	240.6	238.3	240.5	247.2	2.8
11	Wien/Schwechat	AT	227.0	242.3	242.3	228.9	228.4	-0.2
12	Paris/Orly	FR	230.8	215.6	230.6	229.8	228.2	-0.7
13	Stockholm/Arlanda	SE	222.2	185.4	201.7	210.7	219.2	4.0
14	Brussel-Bruxelles/Brussels	BE	228.7	205.2	205.6	198.7	213.4	7.4
15	Düsseldorf	DE	189.0	211.4	212.2	205.8	204.0	-0.8
16	Berlin/Tegel	DE	137.2	150.5	163.7	168.5	175.7	4.3
17	Dublin	IE	169.6	156.4	158.6	162.0	172.6	6.5
18	Helsinki/Vantaa	FI	163.1	169.9	169.8	165.8	164.7	-0.7
19	Palma De Mallorca	ES	170.5	165.2	166.1	161.7	164.6	1.8
20	Manchester	UK	218.0	148.9	160.5	161.1	162.9	1.2
21	Milano/Malpensa	IT	222.2	187.8	167.6	157.9	160.0	1.3
22	Nice/Côte d'Azur	FR	158.1	145.2	161.8	159.0	156.5	-1.5
23	Lisboa	PT	125.9	136.9	140.7	142.6	153.0	7.3
24	Athinaï/Eleftherios Venizelos	EL	170.3	186.6	148.2	134.7	146.6	8.8
25	London/Stansted	UK	178.0	143.0	131.4	131.9	143.1	8.5
26	Hamburg	DE	134.2	138.4	137.1	129.4	138.5	7.1
27	Warszawa/Okęcie	PL	131.0	133.0	134.6	138.4	134.8	-2.6
28	Praha/Ruzyne	CZ	150.2	147.9	124.5	121.5	118.2	-2.7
29	Köln-Bonn	DE	139.9	120.6	112.6	107.0	109.9	2.7
30	Aberdeen	UK	89.5	88.0	98.8	99.9	106.2	6.3
31	Lyon/Saint Exupéry	FR	130.1	116.6	116.7	113.4	105.3	-7.2
32	Edinburgh	UK	116.0	100.6	102.9	103.8	101.4	-2.3
33	Stuttgart	DE	135.0	111.7	121.6	117.5	100.3	-14.7
34	Malaga	ES	111.1	97.3	94.2	94.1	99.0	5.2
35	Las Palmas/Gran Canaria	ES	98.4	93.2	90.8	86.1	92.4	7.3
36	Marseille/Provence	FR	90.3	97.3	101.0	97.1	91.9	-5.4
37	Milano/Linate	IT	93.1	91.5	95.5	90.6	90.5	-0.1
38	Birmingham	UK	113.0	84.8	84.1	84.9	89.0	4.9
39	București/Henri Coandă	RO	90.2	128.1	84.0	83.2	86.6	4.1
40	Toulouse/Blagnac	FR	80.2	79.8	89.7	84.5	81.6	-3.4

Note: 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		
	2012	2013	2014	2012	2013	2014	2012	2013	2014
<b>EU-28</b>	<b>192517</b>	<b>193524</b>	<b>195480</b>	<b>6860</b>	<b>6486</b>	<b>5675</b>			
BE	229	194	219	191	236	190			
BG	0	0	0		1	0	23	29	77
CZ	-	-	-	-	-	-	-	-	-
DK	20302	20459	20524	216	209	209	438	562	360
DE	14250	14085	14576	559	645	558			
EE	6285	6541	6791	8	8	8	425	509	470
IE	1383	1361	1372	0	1	1	162	208	203
EL	36250	36254	37539	211	234	195			
ES	9547	10315	10625	1252	1174	1161	4424	4540	4655
FR	11991	12493	12934	390	392	444	2031	2263	2570
HR	13358	13659	11903	6	7	4	1390	1436	1188
IT	35485	34107	34227	2934	2458	1879	3993	4869	3960
CY	1	2	1	44	49	36	157	169	103
LV	408	432	393				84	68	62
LT	142	138	136				27	33	58
LU	-	-	-	-	-	-	-	-	-
HU	-	-	-	-	-	-	-	-	-
MT	4224	4537	4791	46	51	46	519	382	426
NL	863	889	911						
AT	-	-	-	-	-	-	-	-	-
PL	1176	1089	1111	0	0	0			
PT	254	249	252	28	30	23		472	537
RO				0	0	0	30	49	62
SI	16	14	13				65	68	60
SK	-	-	-	-	-	-	-	-	-
FI	9202	9309	9277	1	2		368	425	420
SE	14892	14701	14798	48	42	42	524	527	567
UK	12259	12696	13086	925	948	878			
IS									
NO	2736	4071	4095	208	103	112	986	639	612
ME	173	107	52						
TR	726	789	859	184	230	228			

## Sea:

### INWARD AND OUTWARD FLOW OF PASSENGERS BY COUNTRY

#### OUTWARDS

1 000	PASSENGERS			CRUISE PASSENGERS		
	excluding cruise passengers			starting and ending a cruise		
	2012	2013	2014	2012	2013	2014
<b>EU-28</b>	<b>191 912</b>	<b>193 155</b>	<b>195 138</b>	<b>6 858</b>	<b>6 806</b>	<b>5 679</b>
BE	237	197	218	193	232	194
BG	1	1	1		1	0
CZ	-	-	-	-	-	-
DK	20 228	20 387	20 411	219	211	209
DE	14 114	14 497	15 099	558	622	546
EE	6 352	6 588	6 847	8	8	8
IE	1 374	1 383	1 381	0	1	1
EL	36 218	36 218	37 495	220	212	182
ES	9 618	10 214	10 589	1 211	1 167	1 111
FR	12 022	12 357	12 816	413	394	444
HR	13 333	13 681	11 611	8	8	5
IT	35 413	33 830	34 176	2 903	2 842	1 943
CY	0	0	0	46	49	39
LV	418	441	409			
LT	145	142	144			
LU	-	-	-	-	-	-
HU	-	-	-	-	-	-
MT	4 219	4 532	4 785	46	51	47
NL	843	849	908			
AT	-	-	-	-	-	-
PL	1 183	1 112	1 113	0	0	0
PT	254	249	252	29	28	24
RO				0	0	0
SI	18	14	14			
SK	-	-	-	-	-	-
FI	9 059	9 211	9 209	2	2	
SE	14 483	14 382	14 387	49	21	29
UK	12 382	12 870	13 273	951	958	898
IS						
NO	3 027	3 721	3 691	32	4	10
ME	146	77	56			
TR	726	790	821	193	248	242

## Sea: PASSENGER TRAFFIC AT MAJOR EU SEAPORTS

### PASSENGERS EMBARKED AND DISEMBARKED

RANKING	PORT, COUNTRY		1 000					CHANGE '13/'14
			2000	2005	2010	2013	2014	
1	Dover	UK	16 197	13 501	13 361	12 898	13 381	3.7
2	Helsinki	FI	9 251	8 854	9 849	10 756	10 942	1.7
3	Calais	FR	15 066	11 695	10 237	10 372	10 703	3.2
4	Paloukia Salaminas	EL		11 663	12 705	10 724	10 612	-1.0
	Perama	EL		11 663	12 705	10 724	10 612	-1.0
6	Stockholm	SE	7 746	8 211	9 147	8 889	9 933	11.7
7	Tallinn	EE		6 701	7 523	8 727	9 098	4.3
8	Piraeus	EL	7 289	11 076	10 944	7 704	8 136	5.6
9	Helsingborg	SE	13 525	11 102	8 540	7 763	7 656	-1.4
10	Napoli	IT	6 748	6 084	8 356	7 360	7 652	4.0
11	Helsingør (Elsinore)	DK	13 322	11 023	8 534	7 721	7 634	-1.1
12	Messina	IT	11 898	9 802	10 765	7 256	6 988	-3.7
13	Reggio Calabria	IT	11 839	9 645	9 891	6 758	6 187	-8.4
14	Capri	IT	5 404	3 860	6 517	6 488	6 054	-6.7
15	Rødby (Færgehavn)	DK	5 430	6 761	6 261	5 944	6 003	1.0
16	Puttgarden	DE	5 430	6 760	6 261	5 944	6 002	1.0
17	Algeciras	ES	4 261	4 829	4 663	4 812	5 386	11.9
18	Palma Mallorca	ES	1 864	4 817	4 496	4 756	4 939	3.8
19	Cirkewwa	MT		3 463	4 031	4 395	4 643	5.6
	Mgarr, Gozo	MT		3 463	4 031	4 395	4 643	5.6
21	Santa Cruz de Tenerife	ES	4 927	4 249	4 110	4 546	4 245	-6.6
22	Split	HR	1 952	3 267	3 523	3 807	3 506	-7.9
23	Piombino	IT	3 161	3 277	3 477	3 532	3 386	-4.1
24	Turku	FI	3 514	3 697	3 498	3 452	3 246	-6.0
25	Mariehamn	FI	1 885	3 192	3 302	3 011	2 981	-1.0
26	Portoferraio	IT	2 641	2 829	2 769	2 839	2 872	1.2
27	Barcelona	ES	1 424	1 575	2 358	2 373	2 606	9.8
28	Porto D'Ischia	IT	3 686	3 169	2 589	2 089	2 597	24.3
29	Norderney I.	DE	2 015	1 990	2 093	2 408	2 550	5.9
30	Igoumenitsa	EL	933	2 338	2 726	2 471	2 544	3.0
31	Norddeich	DE	2 253	2 257	2 287	2 410	2 526	4.8
32	Sjællands Odde	DK	2 283	2 310	1 777	2 463	2 525	2.5
33	Dunkerque	FR	96	813	2 533	2 302	2 518	9.4
34	Olbia	IT	2 359	3 253	3 863	2 458	2 502	1.8
35	Hirtshals	DK	1 855	1 959	2 178	2 345	2 479	5.7
36	Rostock	DE	1 767	2 417	2 195	2 300	2 477	7.7
37	Antirio	EL		2 414	1 725	2 139	2 453	14.7
	Rio	EL		2 414	1 725	2 139	2 453	14.7
39	Århus	DK	1 143	1 710	1 284	2 182	2 350	7.7
40	Genova	IT	2 444	2 406	2 991	2 358	2 196	-6.9

## Sea: FREIGHT TRAFFIC AT MAJOR EU SEAPORTS

### TONNES LOADED AND UNLOADED

RANKING	MILLION							% CHANGE '13/'14
	PORT, COUNTRY	2000	2005	2010	2013	2014		
1	Rotterdam	NL	302.545	345.819	395.763	414.802	421.611	1.6
2	Antwerpen	BE	116.003	145.835	160.012	171.984	180.401	4.9
3	Hamburg	DE	76.950	108.253	104.520	120.568	126.004	4.5
4	Amsterdam	NL	61.309	69.304	89.899	93.146	97.098	4.2
5	Algeciras	ES	38.334	55.186	58.565	67.618	75.650	11.9
6	Marseille	FR	91.279	93.308	82.427	76.248	74.426	-2.4
7	Le Havre	FR	63.885	70.801	65.771	64.395	61.436	-4.6
8	Immingham	UK	52.501	60.686	54.029	62.614	59.370	-5.2
9	Valencia	ES	21.958	34.990	53.075	53.470	55.047	2.9
10	Bremerhaven	DE	24.835	33.728	45.943	54.506	53.643	-1.6
11	Trieste	IT	44.015	43.355	40.557	45.986	47.265	2.8
12	London	UK	47.892	53.843	48.062	43.205	44.489	3.0
13	Genova	IT	43.797	42.640	41.428	40.830	43.394	6.3
14	Piraeus	EL	16.513	18.688	13.058	40.192	42.239	5.1
15	Barcelona	ES	25.787	37.063	35.326	34.372	41.182	19.8
16	Riga	LV		24.421	29.057	34.040	39.808	16.9
17	Tees & Hartlepool	UK	51.472	55.790	35.697	37.641	39.537	5.0
18	Dunkerque	FR	44.318	48.503	36.309	36.634	38.919	6.2
19	Göteborg	UK	33.261	36.479	42.938	38.380	36.832	-4.0
20	Southampton	UK	34.773	39.947	39.365	35.797	36.688	2.5
21	Sines	PT	19.957	24.929	24.728	34.600	35.054	1.3
22	Constanta	RO		44.377	30.396	35.650	34.789	-2.4
23	Milford Haven	UK	33.768	37.547	42.788	41.105	34.309	-16.5
24	Klaipeda	LT		20.019	28.851	30.790	33.773	9.7
25	Cartagena	ES	17.157	26.716	19.044	29.211	32.275	10.5
26	Tarragona	ES	27.175	30.663	32.071	27.644	31.502	14.0
27	Liverpool	UK	30.421	33.775	30.020	31.149	30.996	-0.5
28	Bilbao	ES	26.623	32.182	32.440	28.063	29.281	4.3
29	Gent (Ghent)	BE	24.717	22.133	27.572	25.924	28.788	11.0
30	Gdansk	PL		22.478	26.421	27.335	28.771	5.3
31	Tallinn	EE		38.816	36.264	28.012	28.135	0.4
32	Felixstowe	UK	29.686	23.144	25.756	26.214	28.127	7.3
33	Dover	UK	17.434	21.145	24.093	25.295	27.605	9.1
34	Gioia Tauro	IT	21.638	29.634	35.371	27.447	27.272	-0.6
35	Huelva	ES	17.224	20.931	22.122	26.314	27.271	3.6
36	Zeebrugge	BE	32.660	28.442	33.878	27.355	26.947	-1.5
37	Nantes Saint-Nazaire	FR	31.263	34.043	30.582	27.561	25.875	-6.1
38	Ventspils	LV		29.358	23.825	26.927	25.180	-6.5
39	Forth	UK	41.143	34.218	34.335	26.365	24.608	-6.7
40	Livorno	IT	19.785	24.048	22.662	23.877	24.476	2.5

## Sea: INTRA-EU MARITIME TRANSPORT BY COUNTRY

### (1) RELEVANCE OF INTRA-EU TRANSPORT IN TOTAL MARITIME TRANSPORT BY EU COUNTRY 2014

	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	125.816	42.625	33.9	111.545	35.081	31.5
BG	12.300	0.909	7.4	14.937	4.387	29.4
DK	44.895	28.944	64.5	31.451	26.226	83.4
DE	178.447	70.549	39.5	125.297	52.319	41.8
EE	12.419	8.097	65.2	27.753	16.807	60.6
IE	30.198	20.326	67.3	16.127	14.713	91.2
EL	78.438	34.879	44.5	69.086	38.445	55.6
ES	253.377	83.388	32.9	174.294	80.527	46.2
FR	203.823	65.198	32.0	97.773	54.703	55.9
HR	9.205	2.849	31.0	5.323	2.789	52.4
IT	277.614	122.387	44.1	155.984	110.142	70.6
CY (**)	4.707	3.228	68.6	2.479	0.503	20.3
LV	8.271	5.906	71.4	61.990	45.964	74.1
LT	14.040	4.498	32.0	27.065	16.383	60.5
MT	3.150	2.030	64.4	0.301	0.185	61.5
NL	398.688	91.536	23.0	171.802	51.948	30.2
PL	38.749	16.425	42.4	29.358	21.310	72.6
PT	45.368	18.547	40.9	33.588	15.854	47.2
RO (**)	17.978	1.397	7.8	24.620	6.792	27.6
SI	12.183	3.233	26.5	5.829	1.891	32.4
FI	50.622	32.076	63.4	51.842	42.052	81.1
SE	90.533	65.367	72.2	76.323	66.108	86.6
UK	318.063	165.314	52.0	173.793	133.690	76.9

**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:

### MAIN ROUTES IN INTRA-EU MARITIME TRANSPORT

#### (1) RELEVANCE OF INTRA-EU TRANSPORT IN TOTAL MARITIME TRANSPORT BY EU COUNTRY 2014

	TOTAL		
	total goods transported (*)	of which to/from EU	share of EU in total
	million tonnes	million tonnes	(%)
BE	237.296	77.644	32.7
BG	27.235	5.296	19.4
DK	74.338	53.161	71.5
DE	301.205	120.333	40.0
EE	40.113	24.845	61.9
IE	45.025	33.738	74.9
EL	126.603	52.403	41.4
ES	397.643	133.886	33.7
FR	295.410	113.718	38.5
HR	13.977	5.087	36.4
IT	351.691	150.621	42.8
CY(**)	7.186	3.731	51.9
LV	70.065	51.676	73.8
LT	41.105	20.881	50.8
MT	3.453	2.214	64.1
NL	570.460	143.454	25.1
PL	67.837	37.465	55.2
PT	74.064	29.510	39.8
RO(**)	42.598	8.189	19.2
SI	18.012	5.124	28.4
FI	98.487	70.150	71.2
SE	162.704	127.323	78.3
UK	456.392	263.538	57.7

#### (2) MAIN ROUTES IN INTRA-EU MARITIME TRANSPORT 2014

RANKING	country of loading port	country of unloading port	million tonnes transported
1	ITALY	ITALY	89.027
2	UK	UK	58.329
3	SPAIN	SPAIN	38.209
4	NETHERLANDS	UK	38.119
5	UK	NETHERLANDS	33.736
6	GREECE	GREECE	26.586
7	FRANCE	UK	24.140
8	UK	FRANCE	20.481
9	FRANCE	FRANCE	18.851
10	SWEDEN	SWEDEN	18.348
11	BELGIUM	UK	14.943
12	SWEDEN	GERMANY	14.875
13	SPAIN	ITALY	13.707
14	LATVIA	NETHERLANDS	13.480
15	SWEDEN	UK	12.800
16	UK	GERMANY	12.437
17	GERMANY	SWEDEN	12.347
18	FINLAND	GERMANY	11.880
19	UK	BELGIUM	11.026
20	NETHERLANDS	FRANCE	10.932
21	NETHERLANDS	SPAIN	10.331
22	UK	IRELAND	9.832
23	SWEDEN	FINLAND	9.298
24	ITALY	SPAIN	8.664
25	DENMARK	SWEDEN	8.253
26	IRELAND	UK	7.459
27	GERMANY	UK	7.282
28	FRANCE	NETHERLANDS	7.256
29	SPAIN	UK	7.222
30	LATVIA	UK	6.884

**Note:** 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	1 000 TEU						CHANGE '13/'14
	PORT, COUNTRY	2005	2010	2013	2014		
1	Rotterdam	NL	9 194.6	11 017.5	11 021.3	11 634.1	5.6
2	Hamburg	DE	8 084.3	7 905.5	9 302.2	9 775.4	5.1
3	Antwerpen	BE	6 220.9	8 144.4	8 255.6	8 811.7	6.7
4	Bremerhaven	DE	3 696.1	4 858.3	5 822.4	5 731.5	-1.6
5	Algeciras	ES	3 183.9	2 776.9	3 988.2	4 554.9	14.2
6	Valencia	ES	2 415.2	4 211.2	4 328.3	4 406.6	1.8
7	Felixstowe	UK	2 759.7	3 415.1	3 433.8	4 072.2	18.6
8	Gioia Tauro	IT	3 123.2	3 896.7	3 651.8	3 708.1	1.5
9	Piraeus	EL	1 401.1	850.3	3 199.3	3 492.7	9.2
10	Le Havre	FR	2 144.3	2 369.3	2 186.4	2 432.7	11.3
11	Barcelona	ES	2 071.4	1 928.0	1 716.8	2 055.7	19.7
12	Genova	IT	1 037.6	1 020.0	1 545.7	2 013.9	30.3
13	Southampton	UK	1 384.2	1 566.5	1 489.2	1 893.8	27.2
14	La Spezia	IT	915.6	1 180.6	1 206.7	1 261.7	4.6
15	Gdansk	PL	63.3	509.9	1 189.0	1 232.0	3.6
16	Sines	PT	51.0	382.1	931.0	1 227.7	31.9
17	Marseille	FR	910.6	1 030.9	1 196.9	1 190.5	-0.5
18	London	UK	765.1	732.7	944.4	1 059.3	12.2
19	Las Palmas	ES	1 222.4	1 118.0	1 003.6	960.9	-4.3
20	Gdynia	PL	392.9	477.0	727.8	937.2	28.8
21	Zeebrugge	BE	682.3	1 436.8	879.6	880.5	0.1
22	Göteborg	SE	771.7	891.5	867.7	828.9	-4.5
23	Koper	SI	210.3	481.0	596.4	676.4	13.4
24	Liverpool	UK	613.1	662.0	626.8	666.4	6.3
25	Constanta	RO	867.0	548.1	659.4	663.3	0.6
26	Bilbao	ES	862.9	532.0	605.5	630.2	4.1
27	Leixões	PT	351.8	481.8	620.0	627.1	1.1
28	Cagliari	IT	583.7	486.6	619.0	623.2	0.7
29	Trieste	IT	182.7	261.1	438.2	618.1	41.0
30	Dublin	IE	590.2	554.0	515.8	569.2	10.4
31	Hamina-Kotka	FI	376.5	402.4	546.1	518.4	-5.1
32	Lisboa	PT	512.2	512.0	550.5	502.8	-8.7
33	Thessaloniki	EL	372.5	289.2	379.0	451.2	19.1
34	Klaipeda	LT	214.3	295.2	402.7	450.2	11.8
35	Århus	DK	397.2	446.3	405.8	424.1	4.5
36	Livorno	IT	461.4	369.9	513.1	401.4	-21.8
37	Riga	LV	157.8	254.6	381.0	388.8	2.0
38	Venezia	IT	196.0	237.7	346.1	371.7	7.4
39	Helsinki	FI	460.2	400.7	364.8	369.3	1.2
40	Napoli	IT	178.5	224.2	305.1	319.2	4.6

**Note:** In 2011 the ports of Hamina and Kotka merged into a single legal entity. Older values refer to Kotka only.



## Combined Transport Traffic

### UIRR COMPANIES

YEAR	Billion	TONNE-KILOMETRES		
		% of which:		
		< 300 km	300 - 900 km	> 900 km
1990	18.7	1%	68%	31%
1995	25.0	2%	56%	42%
2000	35.2	2%	71%	27%
2005	38.8	3%	63%	34%
2006	45.4	3%	53%	44%
2007	46.1	3%	56%	41%
2008	46.0	3%	52%	45%
2009	38.9	4%	52%	44%
2010	42.4	5%	58%	37%
2011	42.6	7%	56%	37%
2012	39.1	3%	59%	38%
2013	40.7	2%	60%	38%
2014	52.2	2%	53%	45%
2015	54.9	1%	50%	49%

### TRAFFIC % OF CONSIGNMENTS (\*)

YEAR	Semi-trailers	Rolling motorway	Swap bodies
1990	20%	18%	61%
1995	14%	19%	67%
2000	9%	23%	68%
2005	7%	13%	80%
2006	7%	14%	79%
2007	7%	13%	79%
2008	8%	14%	77%
2009	8%	15%	77%
2010	10%	15%	75%
2011	10%	14%	76%
2012	13%	5%	82%
2013	14%	5%	81%
2014	13%	5%	82%
2015	13%	5%	81%

**Notes:** (\*) Consignment = equivalent to 2.0 TEU, meaning:

- one semi-trailer;
- two swap bodies less than 8.30 m and under 16 t;
- one swap body more than 8.30 m or over 16 t;
- one vehicle on the rolling motorway.

2012 data does not include two previous UIC members. Since 2013, data includes performance of two new UIRR members and since 2014 of other 4 new members.

## 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
1995	5.5	1.1	21.0	25.8	53.4
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	10.8	3.3	35.1	21.5	70.7
2009	10.2	3.2	27.0	18.5	58.9
2010	10.8	3.5	28.7	20.2	63.2
2011	10.6	3.8	29.3	20.7	64.4
2012	10.0	3.6	30.5	19.5	63.6
2013	9.3	3.5	30.1	18.8	61.7
2014	9.1	3.3	31.3	19.0	62.8
AVERAGE ANNUAL CHANGE					
'85/'00	9.7%	3.3%	3.9%	5.4%	5.0%
'00/'14	1.3%	6.9%	1.2%	-2.5%	0.0%
'13/'14	-2.1%	-4.3%	4.2%	0.9%	1.8%

Note: France: Montgenèvre: from 1999.

NUMBER OF HEAVY GOODS VEHICLES (1 000)					
	Switzerland		Austria	France	TOTAL
	St. Gotthard	Simplon Gr. St. Bernard St. Bernardino	Brenner Reschen	Montgenèvre Fréjus Mont-Blanc	
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
2009	900	280	1 842	1 253	4 275
2010	928	308	1 947	1 356	4 539
2011	898	322	1 980	1 389	4 589
2012	843	307	2 058	1 307	4 516
2013	766	282	2 028	1 264	4 341
2014	758	274	2 112	1 276	4 420

Note: Internal, import, export and transit traffic.

## Road: PYRENEES CROSSING TRAFFIC

### GOODS TRAFFIC

				VEHICLES PER DAY
	West coast Irun Bariatou	East coast La Jonquera Le Perthus	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
2008	10 670	9 484	1 334	21 488
2009	9 712	8 610	1 367	19 688
2011	9 414	8 945	1 044	19 402
2013	9 165	9 163	1 050	19 377

### PASSENGER CAR TRAFFIC

				VEHICLES PER DAY
	West coast Irun Bariatou	East coast La Jonquera Le Perthus	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
2008	47 266	30 847	41 924	120 037
2009	47 907	31 465	42 452	121 823
2011	48 787	30 900	40 508	120 194
2013	47 110	30 529	38 612	116 250

**Note:** Since 2006, these statistics are available every two years.

## Rail: DEGREE OF MARKET OPENING – PASSENGERS

### SHARE OF ALL BUT THE PRINCIPAL UNDERTAKINGS

	%					
	2006	2008	2010	2012	2013	2014
BE	0.00	0.00	0.20	0.60	0.00	0.00
BG	0.00	0.00	2.60	0.00	0.00	0.00
CZ		0.00	0.24	2.94	5.13	6.60
DK		9.00	18.00	6.80	6.50	6.70
DE	3.80	5.70	8.00	10.40	11.70	12.00
EE	40.00	57.70	50.00	56.00	66.50	6.30
IE	0.00	0.00	0.00	0.00	0.00	
EL		0.00	0.00	0.00	0.00	0.00
ES		0.00	0.00	0.00	0.00	0.00
FR		0.00	1.00			5.00
HR	0.00	0.00	0.00	0.00	0.00	0.00
IT	9.80		8.30	8.30		19.00
CY	-	-	-	-	-	-
LV	10.10	9.08	10.54	11.70	12.30	11.00
LT	0.00	0.00	0.00	0.00	0.00	0.00
LU	0.00					0.00
HU	1.40	1.80	1.80	2.90	3.20	3.20
MT	-	-	-	-	-	-
NL	1.90	2.00	4.80	5.00		
AT	6.50		5.40	8.80	12.30	11.80
PL	9.17	36.80	48.31	51.40	57.82	55.80
PT	9.00		9.00	6.13	5.90	6.80
RO	0.53	1.10	3.93		9.60	9.10
SI	0.00	0.00	0.01	0.00	0.00	0.00
SK	0.00	0.03	0.03	3.38	3.76	3.74
FI	0.00	0.00	0.00	0.00	0.00	0.00
SE	19.00				36.00	
UK		89.50	89.90	89.97	89.70	89.20
NO		12.00	12.00	10.00	10.00	10.00

**Notes:** Total market share of all but the principal railway undertakings (as a percentage of passenger-km).

PT: values based on train-km after the break in series.

IT: 2014 value from IRG-Rail.

DK: not considering metro services after break in series.

## Rail: DEGREE OF MARKET OPENING – FREIGHT

### SHARE OF ALL BUT THE PRINCIPAL UNDERTAKINGS

	%					
	2006	2008	2010	2012	2013	2014
BE	0.03	6.10	11.82	13.39	18.54	24.30
BG	3.18	14.32	21.60	36.50	44.70	48.80
CZ			13.16	20.62	23.67	30.10
DK			25.00	27.00	25.00	24.00
DE	16.40	22.00	25.00	28.60	32.60	34.10
EE	30.60	49.00	45.00	30.00	35.00	30.50
IE	0.00	0.00	0.00	0.00	0.00	
EL	0.00	0.00		0.00	0.00	0.00
ES	4.90	5.00	8.08	16.83	19.05	20.50
FR	0.60	10.00	20.00	32.00	36.00	37.00
HR	0.00	0.00	0.00	0.00	0.00	0.52
IT	11.50		24.10	16.80	7.60	41.00
CY	-	-	-	-	-	-
LV	10.60	9.57	23.30	22.60	23.30	21.50
LT	0.00	0.00	0.00	0.00	0.00	0.00
LU	0.00		0.00	0.00		
HU	9.00	14.40	19.47	31.80	34.80	37.60
MT	-	-	-	-	-	-
NL	14.00	25.00	40.00	36.00	41.40	41.00
AT	10.00	14.00	14.60	17.60	19.30	21.40
PL	16.90	23.97	35.82	32.93	34.53	36.30
PT	0.00		9.00	11.00	13.40	11.30
RO	26.70	40.99	54.70	53.68	57.60	42.80
SI	0.00	0.00	0.00	9.50	9.19	9.90
SK	2.90	2.00	2.03	11.76	13.47	10.00
FI	0.00	0.00	0.00	0.00	0.00	0.00
SE	32.50		40.00		56.00	55.00
UK		44.20	51.40	53.60	54.50	54.70
NO		21.00	25.00	38.00	42.00	47.00

**Notes:** Total market share of all but the principal railway undertakings (as a percentage of tonnes-km).

IT: 2014 value from IRG-Rail.

PT: values based on train-km after the break in series.

## Rail: ALPS AND PYRENEES CROSSING FREIGHT TRAFFIC

### ALPS CROSSING FREIGHT TRAFFIC (\*)

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
1995	13.6	4.4	8.4	8.0	34.4
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	9.9	14.0	4.6	44.0
2009	11.6	9.2	13.1	2.4	36.3
2010	14.4	9.6	14.4	3.0	41.4
2011	14.4	11.3	14.1	3.4	43.2
2012	13.9	9.8	11.2	3.4	38.3
2013	15.0	10.1	11.7	3.2	40.1
2014	15.6	10.5	11.9	3.3	41.3
AVERAGE ANNUAL CHANGE					
'85/'00	2.7%	2.1%	4.2%	0.9%	2.5%
'00/'14	-0.5%	7.5%	2.3%	-6.6%	0.6%
'13/'14	3.6%	3.3%	1.9%	1.7%	2.9%

### PYRENEES CROSSING FREIGHT TRAFFIC (\*\*)

Spain – France			MILLION TONNES	
	West coast	East coast	Total pure rail	Intermodal rail
	Hendaye – Irun	Cerbère/Port Bou		
1995	1.333	2.220	3.553	1.970
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	1.766	2.518	4.284	2.841
2004	1.900	2.663	4.563	3.050
2005	1.833	2.670	4.503	3.074
2006	1.866	2.605	4.471	3.366
2007	1.586	2.114	3.700	1.575
2008	1.251	1.877	3.128	1.443
2009	0.934	1.751	2.685	1.181
2010			2.511	1.171
2011			2.843	1.437
2012			2.868	1.562
2013			3.336	1.758
2014			3.483	1.900
2015			3.513	2.064

## Rail: CHANNEL TUNNEL TRAFFIC

### UNITED KINGDOM – FRANCE

	SHUTTLE			
	Vehicles			Passengers
	PASSENGER		FREIGHT	( <sup>1</sup> )
	cars (1 000)	coaches (1 000)	1 000	million
1995	1 223	23.0	391	4.2
2000	2 784	79.5	1 133	<i>10.1</i>
2001	2 530	75.5	1 198	9.3
2002	2 336	71.9	1 231	<i>8.7</i>
2003	2 279	71.9	1 285	8.5
2004	2 101	63.5	1 281	<i>7.8</i>
2005	2 047	77.3	1 309	8.2
2006	2 022	67.2	1 296	<i>7.8</i>
2007	2 142	65.3	1 415	7.9
2008	1 907	55.8	1 254	<i>7.0</i>
2009	1 917	54.5	769	6.9
2010	2 125	56.5	1 089	<i>7.5</i>
2011	2 263	56.1	1 263	9.3
2012	2 424	59.0	1 465	<i>10.0</i>
2013	2 481	64.5	1 363	10.3
2014	2 572	63.1	1 440	<i>10.6</i>
2015	2 557	58.4	1 484	10.5

	THROUGH-TRAIN	
	PASSENGER	FREIGHT
	million	1 000 tonnes
1995	2.920	1 411
2000	7.130	<i>2 947</i>
2001	6.947	2 447
2002	6.603	<i>1 464</i>
2003	6.315	1 744
2004	7.277	<i>1 899</i>
2005	7.454	1 588
2006	7.858	<i>1 569</i>
2007	8.261	1 214
2008	9.113	<i>1 239</i>
2009	9.220	1 181
2010	9.529	<i>1 128</i>
2011	9.680	1 325
2012	9.912	<i>1 227</i>
2013	10.133	1 360
2014	10.398	<i>1 650</i>
2015	10.399	1 420

Notes: The Channel Tunnel opened in 1994.

(<sup>1</sup>) From 2000 to 2005, estimates based on 2.52 passengers per car and 38.75 passengers per coach.

## 2.5

## 2.5.1

## Road: LENGTH OF MOTORWAYS

	km (at end of year)						
	1990	1995	2000	2005	2010	2012	2013
<b>EU-28</b>	<b>42 207</b>	<b>48 297</b>	<b>55 116</b>	<b>63 140</b>	<b>71 092</b>	<b>73 068</b>	<b>74 341</b>
BE	1 666	1 666	1 702	1 747	1 763	1 763	1 763
BG	273	277	319	331	437	541	605
CZ	357	414	501	564	734	751	776
DK	611	796	923	1 032	1 130	1 195	1 216
DE	10 854	11 190	11 712	12 363	12 819	12 879	12 917
EE	41	65	93	99	115	124	140
IE	26	70	103	247	900	900	897
EL	190	421	615	917	1 558	1 558	1 558
ES	4 976	6 962	9 049	11 432	14 262	14 701	14 981
FR	6 824	8 275	9 766	10 798	11 392	11 413	11 552
HR	291	302	411	1 016	1 244	1 254	1 295
IT	6 193	6 435	6 478	6 542	6 668	6 726	6 751
CY	120	167	257	276	257	257	257
LV	-	-	-	-	-	-	-
LT	421	394	417	417	309	309	309
LU	78	123	114	147	152	152	152
HU	267	335	448	859	1 477	1 515	1 767
MT	-	-	-	-	-	-	-
NL	2 092	2 208	2 265	2 600	2 651	2 666	2 678
AT	1 445	1 596	1 633	1 677	1 719	1 719	1 719
PL	257	246	358	552	857	1 365	1 482
PT	316	687	1 482	2 341	2 737	2 988	3 065
RO	113	113	113	228	332	550	644
SI	228	293	427	569	771	769	770
SK	192	198	296	328	416	419	420
FI	225	394	549	693	779	780	810
SE	939	1 262	1 499	1 700	1 927	2 017	2 057
UK	3 212	3 408	3 586	3 665	3 686	3 756	3 760
AL							
ME	-	-	-	-	-	-	-
MK	83			216	251	259	259
RS				603	603	603	603
TR	281			1 667	2 080	2 127	2 127
IS	-	-	-	11	11	11	11
NO	73	107	144	264	381	392	392
CH	1 148	1 197	1 270	1 358	1 406	1 419	1 419

**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.  
 UK: data refers to the 1<sup>st</sup> of April of the next year.



## Road: LENGTH OF ROAD NETWORK

km (at end of 2013)

	Motorways	Main or national roads	Secondary or regional roads	Other roads (*)
BE	1 763	13 229	1 349	138 869
BG	605	2 975	4 035	12 063
CZ	776	6 250	48 736	74 919
DK	1 216	2 646		70 268
DE	12 917	39 389	178 071	
EE	140	3 873	12 476	42 298
IE	897	4 531	11 631	78 958
EL	1 558	9 299	30 864	75 600
ES	14 981	15 041	135 340	501 053
FR	11 552	9 658	377 323	673 290
HR	1 295	6 711	9 720	9 094
IT	6 751	19 920	154 948	74 420
CY	257	2 203	2 307	4 998
LV	-	1 674	5 388	63 381
LT	309	6 372	14 573	51 337
LU	152	837		1 891
HU	1 767	6 824	23 169	171 549
MT	-		2 361	
NL	2 678	2 564	7 749	125 650
AT	1 719	9 997	23 640	88 759
PL	1 482	17 804	153 753	242 083
PT	3 065	6 454	4 791	
RO	644	17 110	35 587	32 190
SI	770	819	5 135	32 150
SK	420	3 538	13 996	36 852
FI	810	12 521	13 561	51 201
SE	2 057	13 553	82 905	118 461
UK	3 760	49 074	33 111	335 182
AL				
ME	-		7 965	
MK	259	651	3 778	9 471
RS	603	4 794	10 341	29 271
TR	2 127	31 341	32 155	323 043
IS	11	4 919	2 950	5 010
NO	392	10 562	44 382	39 041
CH	1 419	393	17 926	51 789

**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.

BE end of 2009, EL end of 2010, UK 1<sup>st</sup> of April 2014, IS end of 2011, MT end of 2012.

## Railways: LENGTH OF LINES IN USE

	km							%	
	1990	1995	2000	2005	2010	2013	2014	OF WHICH: ELECTRIFIED 2014	
<b>EU-28</b>	237 671	229 435	220 583	215 110	216 232	219 771	220 673	115 068	52.1
BE	3 479	3 368	3 471	3 544	3 582	3 595	3 631	3 086	85.0
BG	4 299	4 294	4 320	4 154	4 097	4 032	4 023	2 861	71.1
CZ		9 430	9 444	9 614	9 468	9 459	9 456	3 215	34.0
DK	2 838	2 863	2 787	2 646	2 606	2 615	2 612	621	23.8
DE	40 981	41 718	36 588	34 221	33 707	38 703	38 836	20 195	52.0
EE	1 026	1 021	968	968	1 540	1 510	1 510	132	8.7
IE	1 944	1 954	1 919	1 919	1 919	1 919	1 919	52	2.7
EL	2 484	2 474	2 385	2 576	2 552	2 265	2 238	494	22.1
ES	14 539	14 308	14 347	15 015	15 837	15 937	15 901	9 717	61.1
FR	34 070	31 939	29 272	29 286	29 871	29 784	30 905	15 762	51.0
HR	2 429	2 296	2 726	2 726	2 722	2 722	2 604	970	37.3
IT	16 066	16 003	16 187	16 545	17 022	17 070	17 037	12 133	71.2
CY	-	-	-	-	-	-	-	-	-
LV	2 397	2 413	2 331	2 270	1 897	1 859	1 853	245	13.2
LT	2 007	2 002	1 905	1 771	1 767	1 767	1 767	122	6.9
LU	271	275	274	275	275	275	275	262	95.3
HU	7 838	7 714	8 005	7 950	7 893	7 898	7 892	3 012	38.2
MT	-	-	-	-	-	-	-	-	-
NL	2 798	2 739	2 802	2 797	3 013	3 032	3 031	2 302	75.9
AT	5 624	5 672	5 665	5 691	5 039	4 894	5 058	3 527	69.7
PL	26 228	23 986	22 560	19 507	19 702	18 959	18 942	11 779	62.2
PT	3 064	2 850	2 814	2 844	2 842	2 544	2 544	1 629	64.0
RO	11 348	11 376	11 015	10 948	10 777	10 768	10 770	4 029	37.4
SI	1 196	1 201	1 201	1 228	1 228	1 209	1 208	500	41.4
SK	3 660	3 665	3 662	3 658	3 622	3 631	3 627	1 586	43.7
FI	5 867	5 880	5 854	5 732	5 919	5 944	5 944	3 256	54.8
SE	11 193	10 925	11 037	11 017	11 160	10 957	10 881	8 232	75.7
UK	16 914	17 069	17 044	16 208	16 175	16 423	16 209	5 349	33.0
AL					423	423	423	0	0.0
ME				248	249	249	250	224	89.6
MK	696	699	699	699	699	699	699	234	33.5
RS				3 809	3 809	3 809	3 809	1 275	33.5
TR	8 429	8 549	8 671	8 697	9 594	9 718	10 087	3 330	33.0
IS	-	-	-	-	-	-	-	-	-
NO	4 044	4 023	4 413	4 334	4 199	3 897	3 867	2 470	63.9
CH	3 215	3 232	3 216	3 399	3 597	3 588	3 607	3 607	100.0

**Notes:** DE: includes DE-E: 1970=14 250, 1980=14 248, 1990=14 031,  
 CS: 1970: 13 308, 1980: 13 131, 1990: 13 111.

These are included in EU-28 totals.

Please note that for some countries the values refer only to the main infrastructure managers which are members of the UIC.

## Railways: HIGH-SPEED RAIL NETWORK

### LENGTH OF LINES

	km (at end of year)									
	BE	DE	ES	FR	IT	NL	AT	PL	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
2005	137	1 196	1 090	1 540	248	-	-	-	74	4 285
2010	209	1 285	2 056	1 896	923	120	-	-	113	6 602
2011	209	1 285	2 144	2 036	923	120	-	-	113	6 830
2012	209	1 334	2 144	2 036	923	120	-	-	113	6 879
2013	209	1 334	2 515	2 036	923	120	48	-	113	7 298
2014	209	1 352	2 515	2 036	923	120	48	-	113	7 316
2015	209	1 475	2 871	2 036	923	120	48	224	113	8 019

**Note:** 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

	LINE	LENGTH km	START OF OPERATION
DK	Copenhagen - Ringsted	56	2018
DE	Offenburg - Riegel (Basel)	39	2029
DE	Nürnberg - Ebensfeld	83	2017
DE	Ebensfeld - Erfurt	100	2017
DE	Stuttgart - Wendlingen	57	2021
DE	Buggingen - Katzenberg tunnel (Basel)	12	2021
DE	Wendlingen - Ulm	60	2021
DE	Tunnel Rastatt	17	2022
ES	(Madrid-Valencia)/Alicante - Murcia/Castellon	231	
ES	Vitoria - Bilbao - San Sebastian	175	
ES	Variante de Pajares	50	
ES	Bobadilla - Granada	109	
ES	La Coruña - Santiago	62	
ES	Navalmoral-Cacere-Badajoz-Fr. Port	278	
ES	Sevilla - Cadiz	152	
ES	Hellin - Cieza (Variante de Camarillas)	27	
ES	León - Asturias	50	
ES	Sevilla-Antequera	128	
FR	LGV EST - Européenne (second phase)	106	2016
FR	LGV Bretagne - Pays de la Loire	214	2017
FR	LGV Sud Europe Atlantique	340	2017
FR	Contournement Nimes - Montpellier	80	2018
IT	Milan (Treviglio) - Brescia	58	2016
IT	Genoa - Milan (Tortona)	67	2020
AT	Ybbs - Amstetten	17	2015
AT	Gloggnitz - Mürzzuschlag (Sermmering-Basistunnel)	27	2024
AT	Graz-Klagenfurt (Koralmtunnel)	110	2024
AT	Brennerachse	64	

**Note:** 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	1 500		
	1 435		25 000	50 Hz
	1 668	3 000		
FR	1 000	750-850 (contact rail)		
	1 435	1 500	25 000	50 Hz
HR	1 435	3 000	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	5 Hz
SE	1 435		15 000	16.7 Hz
UK (**)	1 435	750	25 000	50 Hz
	1 600 (N-IRL)	(contact rail)		

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

(\*) ES: new lines have a gauge of 1 435 mm and an electric current of 25 000 volts, 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-28</b>	<b>33</b>	<b>28</b>	<b>95</b>	<b>37</b>	<b>106</b>	<b>37</b>
BE	1	1			2	1
BG			3			
CZ	1				3	1
DK	1		2		4	1
DE	5	4	7	5	6	
EE			1			
IE	1		2	1	1	
EL	1	2	6	1	11	12
ES	6	3	10	8	6	
FR	3	3	12	5	20	1
HR			3		2	
IT	2	6	15	3	7	
CY		1	1			
LV			1			
LT			1	1	1	
LU			1			
HU		1				
MT			1			
NL	1		2		2	
AT	1		1	3	1	
PL	1		6	1	4	
PT	1	2	1	1	3	5
RO		1	1	1	4	
SI			1			
SK			1		1	
FI	1			1	8	9
SE	1	1	5	1	10	1
UK	6	3	11	5	10	6
AL			1			
ME				2		
MK			1			1
RS			1			1
TR	5	4	6	6	18	9
IS			1			
NO	1	1	8	2	6	
CH	2	1			2	1

**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 2014 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	2010	2012	2013
<b>EU-28</b>		<b>38 611</b>	<b>40 811</b>	<b>41 820</b>	<b>41 789</b>	<b>41 862</b>	<b>42 043</b>
BE	1 515	1 540	1 534	1 516	<i>1 516</i>	<i>1 516</i>	<i>1 516</i>
BG	470	470	470	470	470	470	470
CZ		677	664	664	676	676	687
DK	-	-	-	-	-	-	-
DE	4 350	6 663	6 754	7 565	7 728	7 675	7 675
EE		520	320	320	335	335	399
IE	-	-	-	-	-	-	-
EL	-	-	-	-	-	-	-
ES	-	-	-	-	-	-	-
FR	6 197	5 962	5 789	5 788	5 110	4 996	5 064
HR	933	933	720	804	805	1 017	1 017
IT	1 366	1 466	1 477	1 562	1 562	1 562	1 562
CY	-	-	-	-	-	-	-
LV	-	-	-	-	-	-	-
LT	369	369	380	290	448	452	452
LU	37	37	37	37	37	37	37
HU	1 373	1 373	1 373	1 587	1 864	1 864	1 864
MT	-	-	-	-	-	-	-
NL	5 046	5 046	6 183	6 183	6 220	6 237	6 242
AT	351	351	351	351	351	351	351
PL	3 997	3 980	3 813	3 638	3 659	3 659	3 655
PT	-	-	-	-	-	-	-
RO	1 782	1 779	1 779	1 779	1 779	1 779	1 779
SI	-	-	-	-	-	-	-
SK	2 379	172	172	172	172	172	172
FI	6 072	6 120	7 842	8 029	8 006	8 014	8 052
SE	-	-	-	-	-	-	-
UK	1 631	1 153	1 153	1 065	1 050	1 050	1 050
AL	-	-	-	-	-	-	-
ME	-	-	-	-	-	-	-
MK	-	-	-	-	-	-	-
RS					1 364	1 364	1 364
TR	-	-	-	-	-	-	-
IS	-	-	-	-	-	-	-
NO	-	-	-	-	-	-	-
CH	-	-	-	-	-	-	-

Note: DE: includes DE-E: 1970 = 2 300, 1980 = 2 302, 1990 = 2 319.

## Pipelines

### LENGTH OF OIL PIPELINES

	km						
	1990	1995	2000	2005	2010	2012	2013
<b>EU-28</b>			<b>35 330</b>	<b>36 388</b>	<b>37 528</b>	<b>36 884</b>	<b>36 814</b>
BE	301	294	294	294	294	294	294
BG	578	578	578	578	578	578	578
CZ		581	675	675	674	674	674
DK	444	330	330	330	330	330	330
DE	2 222	2 460	2 370	2 370	2 370	2 370	2 370
EE	-	-	-	-	-	-	-
IE	-	-	-	-	-	-	-
EL	-	-	-	267	267	267	267
ES	2 678	3 691	3 780	3 833	4 365	4 743	4 735
FR	4 948	4 983	5 746	5 746	6 293	7 493	7 416
HR	865	601	601	610	610	610	610
IT	4 086	4 235	4 346	4 328	4 291	4 290	4 303
CY	-	-	-	-	-	-	-
LV	766	766	766	860	417	417	417
LT		400	500	500	500	500	500
LU	-	-	-	-	-	-	-
HU	2 574	2 071	2 061	2 032	2 209	2 215	2 217
MT	-	-	-	-	-	-	-
NL	391	391	391	391	391	391	391
AT	777	777	777	777	1 214	1 214	1 214
PL	2 039	2 278	2 278	2 278	2 362	2 444	2 444
PT	-	-	147	147	147	147	147
RO	3 694	4 479	5 221	5 356	5 260	2 951	2 951
SI	-	-	-	-	-	-	-
SK		515	515	515	510	510	510
FI	-	-	-	-	-	-	-
SE	-	-	-	-	-	-	-
UK	2 462	3 470	3 954	4 501	4 446	4 446	4 446
AL	-	-	-	-	-	-	-
ME	-	-	-	-	-	-	-
MK				155	144	144	-
RS					374	434	434
TR		1 126	2 112	3 065	3 038	3 038	3 053
IS	-	-	-	-	-	-	-
NO		3 701	7 908	1 189	1 260	1 245	1 245
CH	239	239	109	109	109	109	109

**Notes:** Including oil pipelines under the sea.

DE: Crude oil pipelines only; includes.

DE-E: 1970 = 1 300, 1980 = 1 301, 1990 = 1 323 km.

CS: 1970 = 1 090, 1980 = 1 090, 1990 = 1 090, 1991 = 1 090, 1992 = 1 083 km.

## 2.6

## 2.6.1

 Road:  
 MOTORISATION

NUMBER OF PASSENGER CARS PER 1 000 INHABITANTS								%
	1990	1995	2000	2005	2010	2013	2014	CHANGE '13/'14
<b>EU-28</b>	<b>335</b>	<b>371</b>	<b>410</b>	<b>446</b>	<b>476</b>	<b>488</b>	<b>491</b>	<b>0.7</b>
BE	387	421	456	468	480	491	495	0.7
BG	152	196	245	333	353	402	418	4.2
CZ	234	295	336	387	429	450	459	2.0
DK	309	320	347	362	389	406	412	1.5
DE	461	495	475	493	517	543	547	0.8
EE	154	269	333	366	416	478	497	4.1
IE	228	276	348	400	416	420	425	1.3
EL	169	208	295	391	469	469	472	0.7
ES	309	360	431	460	475	474	474	0.2
FR	404	422	460	476	482	481	479	-0.3
HR	121	155	262	321	353	341	349	2.3
IT	483	533	572	597	619	608	610	0.3
CY	304	335	384	477	551	553	565	2.1
LV	106	134	237	333	307	317	331	4.5
LT	133	199	336	442	554	615	413	-
LU	477	556	622	655	659	661	662	0.2
HU	187	218	232	287	299	308	316	2.5
MT	337	487	483	525	581	602	619	2.9
NL	367	364	409	434	464	471	472	0.2
AT	388	452	511	504	530	546	547	0.2
PL	138	195	261	323	453	510	526	3.2
PT	185	255	333	400	424	430	433	0.9
RO	56	97	124	158	214	235	247	5.0
SI	294	357	435	479	518	516	518	0.3
SK	166	189	237	243	310	347	360	3.6
FI	388	371	412	462	535	574	581	1.3
SE	419	411	450	459	460	466	470	0.9
UK	361	378	425	467	465	467	472	0.9
AL		18	37	62	104	118	131	10.8
ME					266	287	280	-2.7
MK		145	148	124	151	168	180	6.9
RS				200	216	248	253	2.0
TR		49	68	84	102	121	127	4.8
IS	468	445	561	625	643	654	661	1.0
NO	380	386	411	437	469	489	495	1.1
CH	442	457	492	518	518	531	532	0.3
LI	594	614	672	705	749	763	767	0.5

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



## Road: PASSENGER CARS

### STOCK OF REGISTERED VEHICLES

	1 000							%
	1990	1995	2000	2005	2010	2013	2014	CHANGE '13/'14
<b>EU-28</b>	<b>160 106</b>	<b>179 690</b>	<b>200 245</b>	<b>221 211</b>	<b>240 070</b>	<b>247 404</b>	<b>249 773</b>	<b>1.0</b>
BE	3 864	4 273	4 678	4 919	5 276	5 505	5 573	1.2
BG	1 317	1 648	1 993	2 538	2 602	2 910	3 014	3.6
CZ	2 410	3 043	3 439	3 959	4 496	4 729	4 833	2.2
DK	1 590	1 679	1 854	1 965	2 164	2 278	2 330	2.3
DE	36 772	40 499	39 059	40 660	42 302	43 851	44 403	1.3
EE	241	383	464	494	553	629	653	3.9
IE	801	998	1 333	1 684	1 899	1 933	1 966	1.7
EL	1 736	2 205	3 195	4 303	5 217	5 124	5 108	-0.3
ES	11 996	14 212	17 449	20 250	22 147	22 025	22 030	0.0
FR	23 550	25 100	28 060	30 100	31 300	31 650	31 800	0.5
HR	580	711	1 125	1 385	1 515	1 448	1 474	1.8
IT	27 416	30 301	32 584	34 667	36 751	36 963	37 081	0.3
CY	179	220	268	355	463	475	478	0.8
LV	283	332	557	742	637	635	658	3.7
LT	493	718	1 172	1 455	1 692	1 809	1 206	-
LU	183	229	273	307	337	363	373	2.6
HU	1 944	2 245	2 365	2 889	2 984	3 041	3 108	2.2
MT	120	181	189	213	241	256	266	3.8
NL	5 509	5 633	6 539	7 092	7 736	7 932	7 979	0.6
AT	2 991	3 594	4 097	4 157	4 441	4 641	4 695	1.2
PL	5 261	7 517	9 991	12 339	17 240	19 389	20 004	3.2
PT	1 849	2 560	3 443	4 200	4 480	4 480	4 496	0.4
RO	1 292	2 197	2 778	3 364	4 320	4 696	4 908	4.5
SI	587	711	866	960	1 062	1 064	1 068	0.4
SK	880	1 016	1 274	1 304	1 669	1 880	1 949	3.7
FI	1 939	1 901	2 135	2 430	2 877	3 127	3 180	1.7
SE	3 601	3 631	3 999	4 154	4 335	4 495	4 585	2.0
UK	20 722	21 951	25 067	28 326	29 334	30 075	30 557	1.6
AL		59	115	195	295	342	378	10.6
ME					165	179	174	-2.6
MK		286	300	253	310	347	371	7.1
RS				1 481	1 566	1 770	1 797	1.5
TR		3 059	4 422	5 773	7 545	9 284	9 858	6.2
IS	120	119	159	187	205	213	217	2.0
NO	1 613	1 685	1 852	2 029	2 309	2 500	2 555	2.2
CH	2 985	3 229	3 545	3 861	4 076	4 321	4 384	1.5
LI	17	19	22	24	27	28	28	1.3

**Notes:** Stock at end of year, except for BE: 1 August (1 July in 2012), CH: 30 September, LI: 1 July. Taxis are usually included. HR: from 2009 light vans are considered as passenger cars and no longer as Goods Vehicles.

## Road: BUSES AND COACHES

### STOCK OF REGISTERED VEHICLES

	1 000							%
	1990	1995	2000	2005	2010	2013	2014	CHANGE '13/'14
<b>EU-28</b>	<b>740.3</b>	<b>754.0</b>	<b>775.8</b>	<b>788.1</b>	<b>813.7</b>	<b>815.7</b>	<b>817.5</b>	<b>0.2</b>
BE	15.6	14.6	14.7	15.4	16.2	16.3	16.8	3.1
BG	34.6	41.8	43.0	37.8	24.5	23.3	23.6	1.3
CZ	20.5	20.5	19.0	20.9	20.4	20.3	20.5	0.9
DK	8.1	13.7	14.0	14.4	14.5	13.3	13.4	1.0
DE	100.4	85.4	77.2	75.2	76.5	76.8	77.5	0.9
EE	7.9	7.0	6.1	5.2	4.2	4.5	4.6	2.2
IE	4.0	5.3	7.0	7.6	8.2	8.5	8.8	3.7
EL	21.4	24.6	27.0	26.8	27.3	26.8	26.6	-0.7
ES	45.8	47.4	54.7	58.2	62.4	59.9	59.8	-0.2
FR	70.0	79.0	80.0	83.0	86.0	88.0	89.0	1.1
HR	5.8	3.9	4.7	4.9	4.9	4.8	5.0	5.2
IT	77.7	75.0	88.0	94.4	99.9	98.6	97.9	-0.6
CY	2.3	2.7	2.9	3.2	3.4	3.5	2.6	-
LV	12.1	16.5	11.5	10.6	5.4	5.0	4.8	-2.9
LT	15.2	17.6	15.5	15.3	13.7	13.1	6.9	-
LU	0.8	0.9	1.1	1.3	1.6	1.8	1.8	1.1
HU	26.4	20.5	17.9	17.5	17.6	17.6	17.9	2.0
MT	1.0	1.0	1.1	1.1	1.8	1.7	1.8	4.9
NL	12.1	11.6	11.4	11.0	11.3	9.9	9.6	-3.3
AT	9.4	9.8	9.9	9.3	9.6	9.6	9.6	0.1
PL	92.4	85.4	82.6	79.6	97.0	102.6	106.1	3.4
PT	12.1	15.0	19.8	14.7	15.4	14.8	14.5	-2.0
RO	28.3	42.0	40.7	39.3	40.9	42.8	44.3	3.4
SI	3.1	2.5	2.3	2.3	2.4	2.5	2.6	3.8
SK	14.3	11.8	10.9	9.1	9.4	8.8	9.2	3.8
FI	9.3	8.1	9.9	10.9	13.7	15.5	16.3	4.6
SE	14.6	14.6	14.4	13.5	13.9	14.0	14.0	0.0
UK	75.0	75.9	88.6	105.6	111.5	111.6	112.2	0.5
AL		6.7	16.8	29.5	7.0	5.7	6.0	6.6
ME						1.2	1.2	0.1
MK	2.3	2.5	2.5	2.3	2.7	3.0	3.2	4.7
RS				9.7	8.0	9.0	9.0	0.3
TR	188.1	263.2	354.3	501.9	595.5	641.7	638.5	-0.5
IS	1.3	1.3	1.7	1.9	1.9	2.2	2.3	5.6
NO	21.2	32.5	36.7	28.8	20.3	17.6	17.1	-2.7
CH	31.2	36.5	40.3	45.8	52.8	60.2	62.4	3.8
LI			0.1	0.1	0.1	0.1	0.1	0.0

**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

	1 000							%
	1990	1995	2000	2005	2010	2013	2014	CHANGE '13/'14
<b>EU-28</b>		22 862.2	27 478.4	31 710.0	34 858.9	35 452.5	35 863.9	1.2
BE	380.4	442.5	588.8	662.3	744.8	798.0	813.8	2.0
BG	161.6	223.2	259.4	333.9	333.5	388.0	411.8	6.1
CZ		219.3	298.3	439.2	598.0	601.1	615.3	2.4
DK	286.6	333.8	384.9	469.5	485.1	444.4	439.6	-1.1
DE	1 653.0	2 378.7	2 419.1	2 404.9	2 619.4	2 813.8	2 889.8	2.7
EE	67.7	65.6	82.1	86.2	81.2	92.2	96.6	4.8
IE	143.2	141.8	205.6	286.5	327.1	317.8	317.4	-0.1
EL	766.4	883.8	1 057.4	1 186.5	1 318.8	1 315.8	1 322.6	0.5
ES	2 401.1	3 024.2	3 923.2	4 849.6	5 303.5	5 070.2	5 025.5	-0.9
FR	4 840.0	5 116.0	5 673.0	6 115.0	6 358.0	6 462.0	6 519.0	0.9
HR		73.5	122.5	162.9	157.7	141.5	143.7	1.5
IT	2 207.9	2 509.9	3 087.0	3 785.9	4 141.8	4 087.6	4 080.9	-0.2
CY	74.3	101.2	114.7	118.4	120.7	109.1	104.4	-4.2
LV		68.7	97.1	113.1	71.6	79.9	83.2	4.1
LT	83.0	108.9	98.6	122.5	133.9	143.0	99.7	-
LU	11.3	15.8	24.7	29.6	35.6	37.7	38.4	2.1
HU	262.0	278.0	352.6	412.9	451.3	462.6	478.4	3.4
MT		40.8	51.5	44.4	42.5	43.4	44.1	1.7
NL	553.0	654.0	899.0	1 004.5	1 004.0	951.3	948.8	-0.3
AT	261.8	302.9	344.5	358.0	396.8	424.8	434.9	2.4
PL		1 354.1	1 879.1	2 304.5	2 981.6	3 242.5	3 340.6	3.0
PT	781.0	912.3	1 313.2	1 308.0	1 337.0	1 258.4	1 237.0	-1.7
RO	258.7	343.1	427.2	493.8	667.2	761.6	806.5	5.9
SI	30.8	42.9	54.3	66.4	84.1	84.9	87.3	2.7
SK	92.0	102.6	114.0	174.2	276.0	289.4	293.9	1.5
FI	264.2	252.0	304.3	363.6	464.4	526.1	542.9	3.2
SE	309.5	307.7	374.2	461.2	526.4	565.2	581.2	2.8
UK	2 706.0	2 565.0	2 928.3	3 552.4	3 796.9	3 940.3	4 066.4	3.2
AL		29.1	45.6	47.3	83.7	65.1	68.5	5.2
ME						13.8	13.8	0.2
MK		22.6	24.6	18.0	33.3	35.1	37.4	6.5
RS				118.3	151.7	140.8	139.2	-1.1
TR		830.0	1 351.8	2 152.0	3 125.4	3 689.0	3 836.2	4.0
IS	13.1	14.8	19.4	25.5	30.4	30.7	31.4	2.3
NO	308.3	349.5	414.3	465.4	527.0	548.3	550.9	0.5
CH	252.1	262.4	278.5	307.2	335.2	371.4	382.3	2.9
LI			2.5	2.6	2.8	3.1	3.1	0.7

**Notes:** Stock at end of year, except for 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. HR: from 2009 light vans are included in passenger cars and no longer in Goods Vehicles. EE, FR: include special purpose vehicles.

## Road: POWERED TWO-WHEELERS

### STOCK OF REGISTERED VEHICLES

	1 000						%
	1995	2000	2005	2010	2013	2014	CHANGE '13/'14
<b>EU-28</b>		23 389.2	29 831.9	34 395.3	34 339.8	35 399.2	3.1
BE		277.8	346.3	413.0	444.7	453.0	1.9
BG	519.3	520.5	146.5	125.4	147.9	154.8	4.7
CZ	915.2	748.1	794.0	924.3	977.2	998.8	2.2
DK	58.0	138.3	171.9	203.6	198.1	197.5	-0.3
DE	3 995.5	4 438.1	5 202.9	5 870.9	6 099.1	6 181.7	1.4
EE	3.3	6.7	10.2	19.7	38.7	42.3	9.3
IE	23.5	30.6	34.3	38.1	36.6	36.6	-0.1
EL		781.4	1 124.2	1 499.1	1 568.6	1 619.6	3.3
ES	1 301.2	1 445.6	4 117.6	4 997.7	4 998.3	5 033.2	0.7
FR	2 289.0	2 410.0	2 475.3	3 561.0	2 585.0	3 015.2	16.6
HR	9.9	21.9	128.4	176.8	154.8	153.1	-1.1
IT	6 228.3	7 826.9	9 298.4	8 855.0	8 737.8	9 022.2	3.3
CY	50.4	43.3	40.4	40.7	40.0	41.0	2.5
LV	15.8	20.7	32.5	36.7	43.6	46.4	6.5
LT	20.0	19.8	24.0	56.3	68.2	33.2	-
LU	28.4	32.8	37.7	42.1	25.8	27.3	5.9
HU		91.2	122.7	142.3	157.2	161.5	2.8
MT	17.4	12.4	12.0	14.7	16.9	18.4	8.9
NL	855.0	970.8	1 112.9	1 659.8	1 751.2	1 772.2	1.2
AT	546.4	632.7	627.7	727.9	776.3	788.2	1.5
PL	929.0	803.0	1 091.2	1 935.1	2 316.6	2 406.1	3.9
PT	216.3	345.9	588.4	498.0	485.0	486.0	0.2
RO	327.7	239.2	197.4	85.2	101.6	107.3	5.6
SI	8.5	11.2	48.7	91.0	93.0	95.8	3.0
SK	81.8	45.6	56.4	59.6	74.1	80.8	9.0
FI	159.5	193.4	301.8	486.8	554.3	568.2	2.5
SE	264.2	310.1	453.1	570.2	605.6	618.6	2.1
UK	714.0	971.0	1 235.0	1 264.4	1 243.7	1 240.2	-0.3
AL	6.9	3.8	7.2	24.0	26.7	31.0	16.2
ME					5.0	3.7	-26.6
MK			1.7	7.8	8.1	8.6	6.7
RS			16.0	37.9	59.5	63.2	6.2
TR	819.9	1 011.3	1 441.1	2 389.5	2 722.8	2 828.5	3.9
IS	1.9	2.3	4.2	9.7	10.2	10.3	0.9
NO	158.6	201.6	257.5	315.5	337.9	345.2	2.1
CH	688.5	712.7	748.0	790.8	835.2	852.6	2.1
LI		2.6	3.1	3.7	4.0	4.2	3.9

**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, from 2007 in LT, from 2011 in EE.

## Road: PASSENGER CARS

### NEW VEHICLE REGISTRATIONS

	1 000						%
	2000	2005	2010	2013	2014	2015	CHANGE '14/'15
<b>EU-28</b>		15 194.3	13 438.2	11 884.3	12 557.7	13 720.6	9.3
BE	515.2	480.1	547.3	486.1	482.9	501.1	3.8
BG		32.7	15.6	19.4	20.4	23.5	15.4
CZ		151.7	169.6	164.7	192.3	230.9	20.0
DK	112.7	146.9	153.6	182.2	188.9	207.6	9.9
DE	3 378.3	3 319.3	2 916.3	2 952.4	3 036.8	3 206.0	5.6
EE		19.6	10.3	19.5	21.0	20.3	-3.0
IE	230.8	171.7	88.4	74.4	96.3	124.9	29.8
EL	290.2	269.7	141.5	58.7	71.2	75.8	6.4
ES	1 381.3	1 528.9	982.0	722.7	855.3	1 034.2	20.9
FR	2 133.9	2 067.8	2 251.7	1 790.5	1 795.9	1 917.2	6.8
HR	92.4	102.1	46.2	27.8	33.4	34.8	4.2
IT	2 423.1	2 237.4	1 961.6	1 304.6	1 360.6	1 574.9	15.8
CY	8.2	19.2	15.1	7.1	8.3	10.3	25.0
LV		16.6	6.4	10.6	12.5	13.8	10.5
LT		10.5	8.0	12.2	14.5	17.1	17.8
LU	41.9	48.5	49.7	46.6	49.8	46.5	-6.7
HU		199.0	43.5	56.1	67.5	77.2	14.4
MT		6.6	4.1	5.7	6.5	7.1	10.4
NL	597.6	465.2	482.6	416.7	387.6	449.4	16.0
AT	309.4	307.9	328.6	319.0	303.3	308.6	1.7
PL		235.5	333.5	288.9	327.7	355.0	8.3
PT	257.8	206.5	223.5	105.9	142.8	178.5	25.0
RO		172.5	106.3	57.7	70.2	81.2	15.7
SI		59.3	61.1	50.9	53.3	59.5	11.5
SK		57.1	64.0	66.0	72.2	78.0	7.9
FI	134.6	147.9	107.3	103.5	106.2	108.8	2.4
SE	290.5	274.3	289.7	269.6	303.9	345.1	13.5
UK	2 221.7	2 439.7	2 030.8	2 264.7	2 476.4	2 633.5	6.3
AL							
ME			8.6	12.4	13.0	13.7	5.1
MK		15.9	49.3	31.9	29.8	31.5	5.9
RS				139.5	105.4	112.6	6.9
TR		406.8	485.6	654.9	585.8	746.4	27.4
IS	13.6	18.1	3.1	7.3	9.5	14.0	47.1
NO	97.4	109.9	127.8	142.2	144.2	150.7	4.5
CH	316.5	264.9	292.5	307.9	301.9	323.8	7.2

Note: 2015 figures are provisional.

## Road: GOODS VEHICLES

### NEW VEHICLE REGISTRATIONS

	LIGHT COMMERCIAL VEHICLES			COMMERCIAL VEHICLES			HEAVY COMMERCIAL VEHICLES		
	<3.5 t		%	>3.5 t & <16 t		%	>16 t		%
	2014	2015	CHANGE '14/'15	2014	2015	CHANGE '14/'15	2014	2015	CHANGE '14/'15
<b>EU-28</b>	<b>1 541 696</b>	<b>1 721 595</b>	<b>11.7</b>						
BE	55 807	63 856	14.4	2 039	2 374	16.4	6 518	6 992	7.3
BG	10 749	13 665	27.1	( <sup>1</sup> )	( <sup>1</sup> )		( <sup>1</sup> )	( <sup>1</sup> )	
CZ	13 196	17 300	31.1	1 448	1 818	25.6	8 150	9 540	17.1
DK	28 471	32 456	14.0	363	390	7.4	3 329	4 363	31.1
DE	228 414	237 923	4.2	27 299	27 766	1.7	58 581	61 956	5.8
EE	3 243	3 903	20.4	64	49	-23.4	712	772	8.4
IE	16 456	23 262	41.4	474	759	60.1	1 447	1 491	3.0
EL	4 707	5 653	20.1	121	185	52.9	232	279	20.3
ES	113 787	154 795	36.0	2 320	3 178	37.0	13 970	19 390	38.8
FR	370 361	377 738	2.0	6 086	5 927	-2.6	32 698	36 856	12.7
HR	5 214	6 843	31.2	182	228	25.3	780	749	-4.0
IT	116 945	131 556	12.5	3 101	3 376	8.9	9 132	11 991	31.3
CY	1 145	1 443	26.0	15	32	113.3	11	15	36.4
LV	2 539	2 346	-7.6	57	69	21.1	843	1 236	46.6
LT	1 991	2 359	18.5	134	106	-20.9	2 117	3 609	70.5
LU	3 529	3 949	11.9	170	147	-13.5	918	1 005	9.5
HU	15 937	17 516	9.9	366	471	28.7	4 473	5 231	16.9
MT	544	608	11.8	( <sup>1</sup> )	( <sup>1</sup> )		( <sup>1</sup> )	( <sup>1</sup> )	
NL	51 539	57 380	11.3	1 259	1 604	27.4	9 342	12 490	33.7
AT	31 171	32 852	5.4	791	830	4.9	6 035	6 461	7.1
PL	43 986	50 411	14.6	2 316	2 069	-10.7	15 881	20 586	29.6
PT	26 166	30 858	17.9	565	577	2.1	2 562	3 464	35.2
RO	10 252	11 356	10.8	454	347	-23.6	3 698	5 778	56.2
SI	6 318	6 639	5.1	149	164	10.1	1 343	1 743	29.8
SK	5 628	7 440	32.2	448	218	-51.3	3 201	2 390	-25.3
FI	10 750	11 522	7.2	575	548	-4.7	1 947	2 122	9.0
SE	41 935	44 799	6.8	527	607	15.2	4 722	4 849	2.7
UK	320 916	371 167	15.7	11 004	11 607	5.5	27 604	36 239	31.3
IS	851	1 265	48.6	54	107	98.1	74	123	66.2
NO	29 613	33 242	12.3	1 337	1 314	-1.7	4 106	3 894	-5.2
CH	31 013	33 401	7.7	973	999	2.7	3 778	3 437	-9.0

Note: (<sup>1</sup>) Data included under 'Light commercial vehicles'.

## Road: BUSES AND COACHES

### NEW VEHICLE REGISTRATIONS

	LIGHT BUSES & COACHES		BUSES & COACHES		HEAVY BUSES & COACHES		TOTAL		% CHANGE '14/'15
	<3.5 t		>3.5 t & <16 t		>16 t				
	2014	2015	2014	2015	2014	2015	2014	2015	
<b>EU-28</b>							<b>38 368</b>	<b>46 477</b>	<b>21.1</b>
BE	2	0	301	288	839	635	1 142	923	-19.2
BG	361	332	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	361	332	-8.0
CZ	0	5	86	189	816	1 159	902	1 353	50.0
DK	467	474	192	281	269	169	928	924	-0.4
DE	14	71	1 009	1 174	4 628	4 945	5 651	6 190	9.5
EE	1	1	124	129	62	79	187	209	11.8
IE	22	0	48	61	205	303	275	364	32.4
EL	98	34	44	19	30	32	172	85	-50.6
ES			510	694	1 386	1 923	1 896	2 617	38.0
FR	1	19	1 145	1 478	4 751	5 867	5 897	7 364	24.9
HR	1	4	38	67	58	62	97	133	37.1
IT	27	0	745	841	1 212	1 565	1 984	2 406	21.3
CY	47	82	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	47	82	74.5
LV	1	0	145	118	57	83	203	201	-1.0
LT	3	0	163	163	125	29	291	192	-34.0
LU	0	0	13	17	146	234	159	251	57.9
HU	14	7	55	138	309	401	378	546	44.4
MT	8	34	0	143	2	2	10	179	-
NL			128	53	538	291	666	344	-48.3
AT	2	3	119	106	779	790	900	899	-0.1
PL	3 002	4 267	534	1 403			3 536	5 670	60.4
PT	5	5	97	101	135	146	237	252	6.3
RO	480	43	630	2 251	53	181	1 163	2 475	112.8
SI	2	2	65	75	103	88	170	165	-2.9
SK			89	16	358	173	447	189	-57.7
FI	5	2	395	276	291	246	691	524	-24.2
SE			275	334	1 060	996	1 335	1 330	-0.4
UK	2 440	2 628	4 065	5 151	2 138	2 499	8 643	10 278	18.9
IS	39	75	10	6	20	25	69	106	53.6
NO	39	50	377	380	599	540	1 015	970	-4.4
CH	174	351	122	125	456	589	752	1 065	41.6

Note: (<sup>1</sup>) Figures included in other categories.

## Road: MOTORCYCLES

### NEW VEHICLE REGISTRATIONS

	1 000						%
	1995	2000	2005	2010	2013	2014	CHANGE '13/'14
<b>EU-28</b>			1 337.1	1 099.2	748.1	810.0	8.3
BE		25.3	25.0	26.4	20.6	20.7	0.2
BG		1.2	0.6	0.9	0.6	0.8	33.3
CZ	6.9	3.9	7.6	5.4	7.0	12.4	77.8
DK	2.3	3.3	5.8	3.1	1.9	1.9	3.5
DE	218.2	252.6	168.7	122.3	129.6	141.6	9.3
EE		0.1	0.3	0.5	0.4	0.4	9.8
IE		3.8	2.4	1.1	0.4	0.4	-18.4
EL		64.0	83.1	61.5	28.5	31.0	8.5
ES		72.0	205.6	135.3	92.7	111.5	20.3
FR		179.6	196.6	231.6	147.9	153.3	3.7
HR			6.7	2.9	2.0	2.5	21.1
IT		524.6	420.5	320.4	153.9	156.4	1.6
CY			2.5	3.1	1.7	1.9	13.5
LV			0.4	0.3	0.5	0.6	23.5
LT		0.4	1.7	0.2	0.2	0.3	22.0
LU	1.0	1.3	1.3	1.6	1.6	1.7	10.7
HU			12.5	3.2	1.8	1.8	2.7
MT			0.4	0.6	0.9	1.1	31.5
NL	17.8	19.6	16.8	15.2	9.6	10.7	11.5
AT	18.7	23.8	19.1	21.4	26.0	25.2	-3.2
PL			3.8	8.7	7.4	9.8	33.2
PT	12.1	17.7	11.2	18.9	14.5	15.3	5.7
RO			0.8	5.7	0.5	0.5	2.0
SI		1.2	2.5	2.7	2.4	1.7	-28.3
SK			1.2	2.3	2.8	3.1	9.0
FI		5.2	9.2	9.5	3.9	3.5	-12.1
SE		18.4	22.8	13.2	7.8	8.4	7.4
UK		121.9	108.1	81.3	81.0	91.5	13.0
AL							
ME					0.6	0.6	0.0
MK	1.0	0.5	0.1	3.2	2.8	2.6	-8.3
RS				8.0	4.9	4.1	-16.2
TR			227.7	106.9	163.6	158.7	-3.0
IS		0.2	1.1				
NO			6.2	4.0	4.0	4.1	3.7
CH		50.8	45.1	33.7	37.9	39.8	5.1

Notes: CY: new and used.

IT: all two-wheelers over 50cc.



## Road: MOPEDS

### NEW VEHICLE DELIVERIES

	1 000					%
	2000	2005	2010	2013	2014	CHANGE '13/'14
<b>EU-28</b>			<i>646.8</i>	<i>395.9</i>	<i>375.2</i>	-5.2
BE	33.2	17.3	14.2	8.8	10.9	23.9
BG	2.1	1.1	2.1	1.3	1.1	-15.3
CZ		8.0	2.9	2.1	1.8	-12.9
DK	9.8	4.9	16.5	8.2	7.6	-6.8
DE	108.7	97.3	64.9	41.4	34.2	-17.3
EE		8.0	0.0	0.7	0.7	13.1
IE	3.0	0.8	0.2	0.2	0.1	-16.6
EL	19.2	24.1	18.9	8.6	13.0	51.5
ES	248.6	115.1	34.2	15.4	14.8	-3.9
FR	192.3	154.9	144.5	106.1	98.2	-7.4
HR		13.2	6.4	3.1	3.4	9.1
IT	311.8	128.3	88.4	33.6	28.4	-15.5
CY		2.1	0.5	0.2	0.2	-4.8
LV		0.6	1.0	1.6	1.2	-22.1
LT			1.2	1.0	0.9	-6.3
LU	0.5	0.5	0.7	1.1	1.0	-6.3
HU			3.6	3.4	3.2	-6.6
MT			0.2	0.1	0.1	1.0
NL	66.9	40.9	93.7	59.4	62.9	6.1
AT	21.3	27.7	24.9	16.9	15.2	-10.2
PL		23.3	72.2	48.7	40.7	-16.5
PT	15.0		4.6	2.5	2.3	-5.5
RO				1.5	2.3	53.6
SI		3.1	3.5	2.9	3.0	3.6
SK		2.0	1.8	0.5	1.2	135.5
FI	6.4	20.9	17.9	8.3	7.2	-12.4
SE	10.0	15.4	13.3	7.9	8.7	9.7
UK	48.2	24.7	14.5	10.7	10.6	-1.0
AL						
ME						
MK						
RS			8.8	5.7	4.9	-12.7
TR			1.5	0.5	0.5	-3.0
IS						
NO		11.9	8.1	7.5	7.4	-2.1
CH		3.1	8.4	7.9	6.2	-21.4

Note: CY: new and used.

## Sea: EU MERCHANT FLEET

### SHIPS OF 1 000 gt AND OVER

ON 1 JANUARY 2015								
	TOTAL FLEET CONTROLLED		NATIONAL FLAG (¹)		FOREIGN FLAG (INCLUDING OTHER EU)		% 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-28</b>	<b>13 272</b>	<b>600.143</b>	<b>3 442</b>	<b>147.083</b>	<b>9 830</b>	<b>453.060</b>		
BE	192	18.137	61	7.005	131	11.132	68.2	61.4
BG	68	1.161	15	0.127	53	1.034	77.9	89.1
CZ	-	-	-	-	-	-	-	-
DK	888	36.992	330	15.129	558	21.863	62.8	59.1
DE	3 645	123.574	256	12.461	3 389	111.113	93.0	89.9
EE	69	0.253	9	0.010	60	0.243	87.0	96.0
IE	77	1.042	31	0.286	46	0.756	59.7	72.6
EL	4 252	308.128	807	74.938	3 445	233.190	81.0	75.7
ES	182	2.333	94	0.561	88	1.772	48.4	76.0
FR	281	10.385	112	2.864	169	7.521	60.1	72.4
HR	96	3.006	68	2.173	28	0.833	29.2	27.7
IT	1 027	41.858	505	15.335	522	26.523	50.8	63.4
CY	172	5.928	70	2.081	102	3.847	59.3	64.9
LV	62	0.980	7	0.035	55	0.945	88.7	96.4
LT	62	0.360	19	0.170	43	0.190	69.4	52.8
LU	-	-	-	-	-	-	-	-
HU	-	-	-	-	-	-	-	-
MT	29	0.287	18	0.081	11	0.206	37.9	71.8
NL	892	10.532	626	5.412	266	5.120	29.8	48.6
AT	6	0.043	-	-	6	0.043	100.0	100.0
PL	114	2.637	10	0.031	104	2.606	91.2	98.8
PT	43	1.124	18	0.086	25	1.038	58.1	92.3
RO	84	1.010	3	0.039	81	0.971	96.4	96.1
SI	4	0.017	-	-	4	0.017	100.0	100.0
SK	-	-	-	-	-	-	-	-
FI	113	1.850	70	0.825	43	1.025	38.1	55.4
SE	333	6.520	90	1.132	243	5.388	73.0	82.6
UK	581	21.986	223	6.302	358	15.684	61.6	71.3
AL	17	0.063	12	0.039	5	0.024	29.4	38.1
ME	6	0.143	5	0.142	1	0.001	16.7	0.7
MK	-	-	-	-	-	-	-	-
RS	-	-	-	-	-	-	-	-
TR	1 416	27.298	545	8.134	871	19.164	61.5	70.2
IS	20	0.124	1	0.000	19	0.124	95.0	100.0
NO	1 582	62.372	487	15.022	1 095	47.350	69.2	75.9
CH	187	7.748	46	1.418	141	6.330	75.4	81.7

**Notes:** (¹) Including international registers like NIS and DIS.  
Including vessels registered at territorial dependencies.

Russia: 1551 ships, 22.757 mio dwt;

Monaco: 39 ships, 2.499 mio dwt;

Ukraine: 354 ships, 4.125 mio dwt;

Gibraltar: 7 ships, 0.032 mio dwt.

## Sea: WORLD MERCHANT FLEET

### TOTAL CONTROLLED FLEET BY WORLD REGION

	dwt (million)					
	On 1 January:					
World region	1995	2000	2005	2010	2014	2015
Europe (*)	311.246	350.136	400.947	518.276	696.400	739.100
of which: EU-28 (**)	223.564	257.975	316.850	432.246	575.031	600.143
North America	51.024	49.413	45.414	50.539	70.211	82.881
Latin America	18.691	15.679	14.422	30.867	31.838	29.608
Asia / Oceania	246.722	292.722	361.311	532.446	780.826	805.594
Africa	6.742	7.121	5.142	6.981	13.640	13.451
Unknown	37.956	38.115	52.687	86.555	3.007	4.561
<b>TOTAL</b>	<b>672.381</b>	<b>753.226</b>	<b>879.923</b>	<b>1225.665</b>	<b>1595.922</b>	<b>1652.479</b>

### SHARE OF EU IN TOTAL AND OF FOREIGN FLAG IN EU

	%					
EU-28 (**) control of total	33.2	34.2	36.0	35.3	36.0	36.3
EU-28: Foreign flag share (***)	56.5	68.1	67.8	69.4	74.0	75.5

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

(\*) In this table Europe includes EU-28, EFTA, Monaco, Gibraltar, Andorra, Turkey, Western Balkan countries, Russia, Ukraine and Moldavia.

(\*\*) EU-28 since 2012.

(\*\*\*) 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

	NUMBERS AND DEADWEIGHT					
	Number			dwt (1 000)		
(ships of 1 000 gt and over)	WORLD	EU-28	%	WORLD	EU-28	%
<b>TOTAL FLEET</b>	41 003	13 272	32	1 652 458	600 145	36
<b>Tankers</b>	11 163	3 467	31	576 227	209 864	36
<b>OF WHICH:</b>						
<b>Crude oil and oil product tankers</b>	5 345	1 448	27	433 274	154 597	36
<b>Oil / chemical tankers</b>	4 368	1 611	37	93 503	43 732	47
<b>Liquid gas tankers</b>	1 450	408	28	49 450	11 535	23
<b>Bulk carriers</b>	10 285	2 996	29	738 141	222 401	30
<b>Container ships</b>	5 096	2 765	54	227 672	134 031	59
<b>General cargo</b>	12 350	3 307	27	104 419	31 414	30
<b>OF WHICH:</b>						
<b>Conventional cargo</b>	8 801	2 215	25	48 886	14 088	29
<b>Special cargo (*)</b>	1 242	502	40	32 308	10 427	32
<b>Pure car carriers</b>	767	104	14	12 094	1 559	13
<b>Reefer</b>	706	200	28	4 408	1 825	41
<b>Ro-Ro cargo</b>	834	286	34	6 723	3 515	52
<b>Passenger and passenger cargo</b>	2 109	737	35	5 999	2 435	41

### FOR TRANSPORT OF GOODS AND PASSENGERS / CARGO SHIPS / CRUISE SHIPS BY REGISTERED FLAG

	NUMBERS AND GROSS TONS					
	Number			gt (1 000)		
(ships of 300 gt and over)	WORLD	EU-28	%	WORLD	EU-28	%
<b>ON 1 JANUARY 2015</b>						
<b>TOTAL</b>	4 066	1 269	31	36 489	15 714	43
<b>Cargo passenger and Ro-Ro passenger ships</b>	2 484	869	35	17 001	9 585	56
<b>Passenger (not Ro-Ro)</b>	1 582	400	25	19 488	6 129	31
<b>ON MID 2015 (**)</b>						
<b>Cruise ships by registered flag (ships of 1 000 gt and over)</b>	292	96	33	18 651	5 919	32

Notes: (\*) Including open hatch carriers.

(\*\*) 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 2015					PASSENGER AIRCRAFT
	50 seats or less	51 to 150 seats	151 to 250 seats	251 seats and more	TOTAL
<b>EU-28</b>	<b>334</b>	<b>1 185</b>	<b>1 961</b>	<b>572</b>	<b>4 052</b>
BE	10	38	23	9	80
BG	6	13	8	1	28
CZ	5	11	11	1	28
DK	23	45	38	5	111
DE	16	196	307	119	638
EE	7	5	3		15
IE	3	36	359	8	406
EL	11	20	46		77
ES	12	113	173	54	352
FR	55	137	123	91	406
HR	3	11	3		17
IT	1	73	77	30	181
CY					
LV	1	26	11		38
LT	3	4	7		14
LU	3	10	3		16
HU	3		66		69
MT	5	5	7	1	18
NL	9	75	67	57	208
AT	2	45	44	5	96
PL	5	33	25	5	68
PT	18	32	37	28	115
RO	7	19	12		38
SI	6	10			16
SK	2	1	5		8
FI		36	21	16	73
SE	28	37	12	1	78
UK	90	154	473	141	858
AL					
ME					
MK					
RS					
TR		43	355	57	455
IS	13		27		40
NO	31	52	125	14	222
CH	26	43	97	1	167
LI					

**Notes:** More than 30000 small private planes not included.  
In this table blank means none.

## Air:

### FREIGHT, SPECIAL, BUSINESS AIRCRAFT

#### NUMBER OF CIVIL AIRCRAFT IN SERVICE

ON 31 DECEMBER 2015

	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-28</b>	<b>163</b>	<b>210</b>	<b>34</b>	<b>85</b>	<b>1 964</b>
BE		24			60
BG	4	6	1		12
CZ	1			4	43
DK	3	16	7	1	62
DE	9	58		28	386
EE	5				9
IE	20	4			28
EL	5			2	22
ES	38	10	5		80
FR		13	4	18	124
HR		1		1	3
IT	1	3	2	3	93
CY					5
LV	6				5
LT	2			1	10
LU	0	23		5	83
HU	7	4	1		9
MT					126
NL		7		1	23
AT				4	215
PL	13		2	1	21
PT		1		2	121
RO				1	7
SI		1			21
SK	1	2			10
FI				2	8
SE	40	2		4	36
UK	8	35	12	7	342
AL					
ME					
MK					
RS					
TR		17		6	96
IS		8			
NO					10
CH	13	1		6	153
LI					2

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

## Rail: LOCOMOTIVES AND RAILCARS

### STOCK OF VEHICLES

	1990	2000	2005	2010	2013	2014	% CHANGE '13/'14
<b>EU-28</b>	<b>66278</b>		<b>47923</b>	<b>59851</b>	<b>58214</b>	<b>59640</b>	<b>2.4</b>
BE	1 727	1 670	1 518	1 341	1 188	1 188	0.0
BG	1 119	762	669	624	504	313	-37.9
CZ		3 596	3 163	2 258	2 274	2 262	-0.5
DK	524	415	464	495	477	501	5.0
DE	14 437	9 656	7 742	15 613	15 887	16 693	5.1
EE	300	194	170	81	75	75	0.0
IE	166	172	412	572	620	620	0.0
EL	400	244	289	301	301	301	0.0
ES	1 922	1 693	1 946	1 732	1 782	1 959	9.9
FR	7 279	7 158	7 354	6 768	5 692	5 747	1.0
HR	563	480	377	284	301	301	0.0
IT	4 818	4 697	4 674	4 494	3 243	3 285	1.3
CY	-	-	-	-	-	-	-
LV	739	433	358	196	205	205	0.0
LT	389	419	365	275	277	250	-9.7
LU	97	124	145	104	43	43	0.0
HU	2 040	1 453	1 385	1 275	1 225	1 229	0.3
MT	-	-	-	-	-	-	-
NL	2 372	1 965	2 078	2 411	2 416	2 851	18.0
AT	1 543	1 530	1 500	1 233	1 607	1 548	-3.7
PL	6 801	5 293	4 723	4 421	3 996	4 006	0.3
PT	530	589	439	275	417	309	-25.9
RO	4 515	3 440	2 186	2 229	2 211	2 302	4.1
SI	358	300	261	267	405	405	0.0
SK		1 570	1 204	1 035	1 029	1 029	0.0
FI	669	735	702	644	652	659	1.1
SE	1 350	887	622	213	211	212	0.5
UK	5 610		3 177	10 710	11 176	11 347	1.5
AL							
ME	-	-	-	-	-	-	-
MK	92	101	73	63	53	53	0.0
RS					487	485	-0.4
TR	897	849	735	673	780	817	4.7
IS	-	-	-	-	-	-	-
NO	502	299	289	544	816	712	-12.7
CH	1 254	1 528	2 198	1 745	1 645	1 632	-0.8

**Notes:** Data relates to main railways (UIC members). From 2010 a new split between 'railcars' and 'trainset' has been introduced by UIC. Values on this table consider the declared values of locomotives (diesel + electric) and railcars (diesel + electric).  
DE: includes DE-E: 1970 = 5 000, 1980 = 4 506, 1990 = 6 331.  
CS: 1970 = 4 998, 1990 = 6 010.

## Rail: PASSENGER TRANSPORT VEHICLES

### STOCK OF COACHES, RAILCARS AND TRAILERS

	1990	2000	2005	2010	2013	2014	% CHANGE '13/'14
<b>EU-28</b>		<i>110 111</i>	<i>99 508</i>	<i>102 691</i>	<i>96 206</i>	<i>99 328</i>	<b>3.2</b>
BE	3 286	3 494	3 251	3 412	2 345	2 345	0.0
BG	2 386	2 099	1 558	1 369	744	759	2.0
CZ		5 252	4 895	4 514	4 312	4 363	1.2
DK	1 594	1 590	1 473	1 307	1 983	2 029	2.3
DE	24 139	21 097	20 169	18 565	18 290	21 217	16.0
EE	596	241	183	189	189	189	0.0
IE	314	421	581	592	653	653	0.0
EL	810	505	564	718	718	718	0.0
ES	3 839	3 765	5 239	5 665	5 225	5 418	3.7
FR	15 748	15 656	15 879	16 890	17 130	17 556	2.5
HR	1 052	720	579	523	541	529	-2.2
IT	14 025	11 914	10 066	12 465	9 510	9 492	-0.2
CY	-	-	-	-	-	-	-
LV	1 226	702	490	491	491	491	0.0
LT	664	563	467	337	264	234	-11.4
LU	114	149	185	214	210	210	0.0
HU	4 385	3 232	2 787	3 136	2 458	2 499	1.7
MT	-	-	-	-	-	-	-
NL	2 268	2 742	852	2 824	2 895	2 849	-1.6
AT	3 689	3 468	3 112	2 974	2 843	2 664	-6.3
PL	11 928	9 761	7 725	6 926	5 963	5 773	-3.2
PT	1 232	1 303	1 125	965	973	980	0.7
RO	6 352	6 234	3 310	3 037	2 304	2 329	1.1
SI	606	461	401	355	355	355	0.0
SK		2 273	1 808	1 530	1 467	1 395	-4.9
FI	957	1 003	1 084	1 071	1 163	1 181	1.5
SE	1 747	1 000	791	871	839	796	-5.1
UK		<i>10 466</i>	<i>10 934</i>	<i>11 751</i>	<i>12 341</i>	<i>12 304</i>	<b>-0.3</b>
AL							
ME	-	-	-	-	-	-	-
MK	175	164	125	64	68	68	0.0
RS					769	732	-4.8
TR	1 443	1 415	1 312	1 342	1 381	1 307	-5.4
IS	-	-	-	-	-	-	-
NO	900	918	191	210	175	383	118.9
CH	4 136	3 333	4 293	4 949	4 997	4 865	-2.6

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

DE: includes DE-E: 1970 = 10 000, 1980 = 10 761, 1990 = 9 635.

CS: 1970 = 10 145, 1990 = 8 597.



## Rail: GOODS TRANSPORT WAGONS

### STOCK OF VEHICLES

	1990	2000	2005	2010 (*)	2012 (*)	2013 (*)	2014 (*)
<b>EU-28</b>							
BE	30332	18790	17375	11612	<i>11612</i>	<i>11612</i>	<i>11612</i>
BG	42459	29720	16511	11751	16576	5483	5325
CZ		58524	44545	27416	27066	26281	25965
DK	4632	2236					
DE	366724	189558	158247	108840	104460	96868	91787
EE		5857	18971	2958	2931	2931	2931
IE	1830	1856	926	502	502	450	450
EL	10967	3453	3491	3158	3158	3158	3158
ES	37687	26452	23842	14337	14148	14900	13702
FR	148100	94789	95738	25314	17830	16333	15017
HR	13720	9986	7330	6674	6063	5959	5518
IT	99728	70115	45730	30331	22140	20625	20515
CY	-	-	-	-	-	-	-
LV	11085	9146	8871	6038	6320	6815	12009
LT	12860	13155	13192	9238	9112	9202	8784
LU	2719	2626	3222	3895	3895	3895	3895
HU		23528	19130	11700	11700	11700	11700
MT	-	-	-	-	-	-	-
NL	6697	4700					
AT	34330	23970	22655	28605	18104	17477	18544
PL	275582	130116	75164	68151	63269	62255	61373
PT	4579	4162	3495	3194	3170	3170	3170
RO	166086	117982	65175	72605	72638	42571	35899
SI	8692	6258	4465	3211	3120	3142	3148
SK		26975	16370	16964	17145	17522	17006
FI	15200	12630	11216	10464	9817	9457	9078
SE	27470	17596	13649				
UK	34403						
AL							
ME	-	-	-	-	-	-	-
MK			1525	1144	1011	1011	1011
RS					8449	8452	8486
TR	21941	17872	17499	17773	18167	18607	18967
IS	-	-	-	-	-	-	-
NO							
CH	27104	19894	18339	8794	7869	7360	6816

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

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

DE: includes DE-E: 1970 = 137984; 1980 = 142202; 1990 = 163158.

## 2.7

## 2.7.1

## Road Fatalities

	1990	2000	2005	2010	2013	2014	%	
							CHANGE '13/'14	CHANGE '01/'14
<b>EU-28</b>	<b>77 337</b>	<b>57 082</b>	<b>45 943</b>	<b>31 488</b>	<b>25 956</b>	<b>25 974</b>	<b>0.1</b>	<b>-52.7</b>
BE	1976	1470	1089	840	723	727	0.6	-51.1
BG	1567	1012	957	776	601	661	10.0	-34.6
CZ	1291	1486	1286	802	655	688	5.0	-48.4
DK	634	498	331	255	191	182	-4.7	-57.8
DE	11 046	7 503	5 361	3 648	3 339	3 377	1.1	-51.6
EE	436	204	170	79	81	78	-3.7	-60.8
IE	478	418	400	212	188	193	2.7	-53.2
EL	2 050	2 037	1 658	1 258	879	795	-9.6	-57.7
ES	9 032	5 777	4 442	2 479	1 680	1 688	0.5	-69.4
FR	11 215	8 079	5 318	3 992	3 268	3 384	3.5	-58.5
HR	1 360	655	597	426	368	308	-16.3	-52.4
IT	7 151	7 061	5 818	4 114	3 401	3 381	-0.6	-52.4
CY	116	111	102	60	44	45	2.3	-54.1
LV	947	635	442	218	179	212	18.4	-62.0
LT	933	641	773	299	256	267	4.3	-62.2
LU	70	76	47	32	45	35	-22.2	-50.0
HU	2 432	1 200	1 278	740	591	626	5.9	-49.5
MT	4	15	17	13	17	10	-41.2	-37.5
NL	1 376	1 082	750	537	476	477	0.2	-52.0
AT	1 391	976	768	552	455	430	-5.5	-55.1
PL	7 333	6 294	5 444	3 908	3 357	3 202	-4.6	-42.1
PT	2 646	1 877	1 247	937	637	638	0.2	-61.8
RO	3 782	2 466	2 629	2 377	1 861	1 818	-2.3	-25.8
SI	517	314	258	138	125	108	-13.6	-61.2
SK	731	628	606	353	251	291	15.9	-52.6
FI	649	396	379	272	258	229	-11.2	-47.1
SE	772	591	440	266	260	270	3.8	-53.7
UK	5 402	3 580	3 336	1 905	1 770	1 854	4.7	-48.5
AL		280	307	352	295	264	-10.5	-11.1
ME				95	74	65	-12.2	
MK		162	143	162	198	130	-34.3	21.5
RS				656	536	601	12.1	
TR	6 317	5 510	4 505	4 045	3 685	3 524	-4.4	-19.7
IS	24	32	19	8	15	4	-73.3	-83.3
NO	332	341	224	208	187	147	-21.4	-46.5
CH	954	592	409	328	269	243	-9.7	-55.3

**Note:** 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

						2014
per million inhabitants		per 10 billion pkm		per million passenger cars		
MT	23	SE	23	MT	38	
SE	28	UK	28	SE	59	
NL	28	NL	32	NL	60	
UK	29	DK	34	UK	61	
DK	32	FI	34	FI	73	
ES	36	DE	36	DE	77	
DE	42	MT	40	ES	77	
IE	42	FR	41	DK	79	
FI	42	IE	41	IT	91	
AT	50	SI	42	AT	92	
FR	51	LU	48	CY	94	
EU-28	51	IT	49	LU	95	
SI	52	ES	51	IE	99	
CY	53	EU-28	53	SI	101	
SK	54	AT	55	EU-28	104	
IT	56	EE	64	FR	107	
EE	59	BE	66	EE	122	
PT	61	CY	73	BE	131	
LU	63	PT	75	PT	142	
HU	63	EL	77	CZ	144	
BE	65	CZ	98	SK	152	
CZ	65	SK	104	EL	155	
HR	73	LT	106	PL	163	
EL	73	HR	114	LT	177	
PL	84	HU	116	HU	204	
LT	91	BG	120	HR	211	
RO	91	PL	142	BG	223	
BG	92	LV	161	LV	328	
LV	106	RO	205	RO	379	

**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 2.7.1 for 2014.  
pkm: indicator of traffic volume (in the absence of consistent vehicle-kilometre data); passenger-kilometres of cars indicated in table 2.3.4 for 2014 plus (mostly estimated) passenger-kilometres of motorised two-wheelers.  
Inhabitants: the average population at 1 January 2014 and 1 January 2015.  
Passenger cars: the average stock of vehicles indicated in table 2.6.2 for 2013 and 2014.

## 2.7.3a

## Road Fatalities BY TYPE OF USER

	YEAR	TOTAL	DRIVER	PASSENGER	PEDESTRIAN	PEDESTRIAN AS A % OF TOTAL
BE	2014	713	511	96	106	14.9
BG	2009	901	436	267	198	22.0
CZ	2014	688	451	107	130	18.9
DK	2014	182	129	31	22	12.1
DE	2014	3 377	2 421	429	527	15.6
EE	2014	75	41	8	26	34.7
IE	2013	188	124	33	31	16.5
EL	2014	795	540	130	125	15.7
ES	2014	1 688	1 043	309	336	19.9
FR	2014	3 384	2 364	521	499	14.7
HR	2014	308	185	50	73	23.7
IT	2014	3 381	2 291	512	578	17.1
CY	2014	44	27	7	10	22.7
LV	2014	212	88	53	71	33.5
LT	2014	267	97	61	109	40.8
LU	2014	35	27	5	3	8.6
HU	2014	626	360	114	152	24.3
MT	2014	10	4	0	6	60.0
NL	2014	472	382	40	50	10.6
AT	2014	430	315	44	71	16.5
PL	2014	3 202	1 545	541	1 116	34.9
PT	2014	638	397	96	145	22.7
RO	2014	1 818	693	428	697	38.3
SI	2013	125	88	17	20	16.0
SK	2013	321	183	57	81	25.2
FI	2014	229	161	32	36	15.7
SE	2014	270	178	40	52	19.3
UK	2014	1 854	1 112	278	464	25.0

**Notes:** Persons deceased within 30 days of their accident. In this table the totals exclude the victims which were labelled as 'Unknown'. '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 OR UNKNOWN
BE	2014	621	379	4	14	27	85	17	76	0	19
BG	2009	703	570	5	33	-	48	5	29	1	12
CZ	2014	558	347	3	23	16	88	8	68	1	4
DK	2014	160	89	0	1	9	18	13	30	0	0
DE	2014	2 850	1 579	13	72	71	587	87	396	27	18
EE	2014	52	33	8	3	-	0	0	0	0	8
IE	2013	157	107	0	2	12	26	-	5	-	5
EL	2014	670	289	2	12	35	278	20	19	13	2
ES	2014	1 352	722	26	48	111	287	54	75	13	16
FR	2014	2 885	1 664	9	56	142	649	165	159	13	28
HR	2014	235	141	0	4	5	44	11	19	8	3
IT	2014	2 803	1 497	5	46	109	704	112	273	26	31
CY	2014	35	15	0	0	4	9	4	1	0	2
LV	2014	141	91	1	5	6	10	6	16	5	1
LT	2014	158	118	0	4	2	13	1	19	0	1
LU	2014	32	24	0	0	0	8	0	0	0	0
HU	2014	474	256	1	14	25	58	17	98	-	5
MT	2010	13	9	0	0	0	3	-	0	0	1
NL	2014	426	171	1	6	7	51	32	118	1	39
AT	2014	359	191	1	9	10	76	16	45	8	3
PL	2014	2 086	1 346	12	92	-	237	71	286	19	23
PT	2014	493	223	2	8	49	91	43	35	24	18
RO	2014	1 121	724	9	17	67	45	30	151	3	75
SI	2013	105	40	0	1	5	17	4	16	3	19
SK	2013	240	148	2	6	10	-	10	21	1	42
FI	2014	193	121	0	4	10	17	3	27	3	8
SE	2014	218	122	2	5	8	31	8	33	0	9
UK	2014	1 390	835	11	14	34	347	6	116	7	20

**Note:** Persons deceased within 30 days of their accident.

## Road Accidents

## NUMBER OF ACCIDENTS INVOLVING PERSONAL INJURY

	1 000							%
	1990	1995	2000	2005	2010	2013	2014	CHANGE '13/'14
<b>EU-28</b>	<b>1 502.08</b>	<b>1 433.020</b>	<b>1 505.653</b>	<b>1 341.981</b>	<b>1 130.398</b>	<b>1 055.358</b>	<b>1 080.756</b>	<b>2.4</b>
BE	62.446	50.744	49.065	49.307	40.569	35.632	41.481	16.4
BG	6.478	7.435	6.886	8.224	6.610	7.016	7.015	0.0
CZ	21.910	28.746	25.445	25.239	19.675	20.342	21.054	3.5
DK	9.155	8.373	7.346	5.413	3.498	2.985	2.881	-3.5
DE	389.350	388.003	382.949	336.618	288.297	291.105	302.435	3.9
EE	2.099	1.644	1.504	2.341	1.347	1.382	1.436	3.9
IE	6.067	8.117	7.749	6.533	5.779	4.976	5.405	8.6
EL	19.609	22.798	23.001	16.914	15.032	12.109	11.690	-3.5
ES	101.507	83.586	101.729	91.187	85.503	89.519	91.570	2.3
FR	162.573	132.949	121.223	84.525	67.288	56.812	58.191	2.4
HR	14.471	12.668	14.430	15.679	13.274	11.228	10.323	-8.1
IT	161.782	182.761	256.546	240.011	212.997	181.660	177.031	-2.5
CY	3.172	3.052	2.411	1.382	1.198	0.774	0.758	-2.1
LV	4.325	4.056	4.482	9.310	3.193	3.489	3.728	6.9
LT	5.135	4.144	5.807	6.772	3.530	3.391	3.256	-4.0
LU	1.216	1.145	0.899	0.775	0.787	0.949	0.908	-4.3
HU	27.801	19.817	17.493	20.777	16.308	15.691	15.847	1.0
MT	0.238	0.969	1.253	0.848	0.577	1.208	1.449	20.0
NL	44.892	42.641	42.271	27.007	10.778	9.522	13.358	40.3
AT	46.338	38.956	42.126	40.896	35.348	38.502	37.957	-1.4
PL	50.532	56.904	57.331	48.100	38.832	35.847	34.970	-2.4
PT	45.110	48.339	44.463	37.066	35.426	30.339	30.604	0.9
RO	9.708	9.119	7.889	19.819	25.995	24.827	25.355	2.1
SI	5.177	6.567	8.951	10.509	7.659	6.568	6.168	-6.1
SK	8.236	8.713	7.884	7.903	8.119	4.729	5.064	7.1
FI	10.175	7.812	6.633	7.020	6.072	5.334	5.324	-0.2
SE	16.975	15.626	15.770	18.094	16.627	14.942	13.091	-12.4
UK	265.600	237.336	242.117	203.712	160.080	144.480	152.407	5.5
AL		0.399	0.428	0.853	1.564	2.075	1.914	-7.8
ME					9.138	5.264	5.531	5.1
MK	2.300	2.436	1.667	2.821	4.223	4.230	3.852	-8.9
RS					14.179	13.043	13.638	4.6
TR	55.771	66.029	75.201	87.273	116.804	161.306	168.512	4.5
IS	0.564	1.057	0.979	0.671	0.876	0.808	0.805	-0.4
NO	8.801	8.625	8.440	8.078	6.434	5.241	4.972	-5.1
CH	23.834	23.030	23.737	21.706	19.609	17.473	17.803	1.9

**Notes:** The definition of an accident involving personal injury differs from country to country. RO: only serious accidents before 2005.

## Railway Fatalities

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

	1990	2000	2005	2010	2011	2012	2013	2014
<b>EU-28</b>			<b>66</b>	<b>63</b>	<b>38</b>	<b>36</b>	<b>97</b>	<b>15</b>
BE	0	3	0	18	0	0	0	0
BG			3	0	1	1	0	2
CZ		1	4	2	5	2	0	2
DK	1	3	0	0	0	1	0	0
DE	50	38	7	0	9	3	0	0
EE			0	0	0	0	0	1
IE	1	2	0	0	0	0	0	0
EL	0	20	0	1	0	0	0	0
ES	4	0	1	15	2	4	79	3
FR	30	15	5	2	7	2	4	0
HR			1	1	0	0	0	0
IT	9	8	22	7	0	2	2	1
CY	-	-	-	-	-	-	-	-
LV			0	0	0	0	0	0
LT			0	0	0	0	0	0
LU	0	0	0	0	0	0	0	0
HU	33	11	6	3	3	3	4	3
MT	-	-	-	-	-	-	-	-
NL	2	0	0	0	0	1	0	0
AT	6	4	1	0	0	0	0	0
PL	21	20	0	7	10	15	6	2
PT	22	2	7	1	0	0	1	0
RO		0	1	4	0	1	1	1
SI		0	0	0	0	0	0	0
SK		0	0	0	1	1	0	0
FI	0	2	0	0	0	0	0	0
SE	3	0	0	2	0	0	0	0
UK	37	20	8	0	0	0	0	0
AL								
ME							0	0
MK			0	0	0	0	0	0
RS								
TR	17	9	10	3	1	3	1	1
IS	-	-	-	-	-	-	-	-
NO	4	32	0	0	0	0	0	0
CH	8	2	3	0	1	0	0	1

## Air: LIVES LOST

PERIOD	Lives lost over EU-28 territory by any operator	Lives lost by EU-28 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	0
2008	154	154
2009	9	228
2010	0	0
2011	6	6
2012	8	1
2013	0	0
2014	0	120
2015	150	150
1970–1979/yr.	312	328
1980–1989/yr.	179	128
1990–1999/yr.	51	74
2000–2009/yr.	65	78
2010–2015/yr.	27	46

**Notes:** Onboard fatalities, and only those in aircraft with a take-off mass above 5 701 kg. 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 (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
2008	9	105	7	105	55	259
2009	14	214	15	335	67	353
2010	12	35	16	431	82	375
2011	8	102	20	452	56	281
2012	12	93	4	83	43	314
2013	3	10	11	257	46	291
2014	6	17	2	43	46	267

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



PART 3

# ENERGY AND ENVIRONMENT



**PART 3**  
**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 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.

**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

		KJ (NCV)	kgoe (NCV)
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

## 3.1.3

## 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	11630
GWh		3.6	860	$8.6 \times 10^{-5}$	1

### VOLUME

FROM:	TO:	Barrel	Litre	US gallon	UK 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)



## Energy Statistics for EU-28

Mtoe	1990	1995	2000	2005	2010	2013	2014
<b>Production (*)</b>	947.7	969.1	951.9	914.3	849.6	804.7	786.1
<b>Solid fuels</b>	369.1	279.8	214.6	196.0	164.8	156.5	150.0
<b>Oil</b>	132.9	180.8	180.0	142.5	109.6	85.1	84.5
<b>Gas</b>	165.1	191.5	209.4	190.8	159.8	132.0	117.3
<b>Nuclear</b>	205.2	227.3	243.8	257.5	236.6	226.3	226.1
<b>Renewables</b>	71.6	84.1	97.9	119.6	167.9	192.8	195.8
<b>Industrial waste</b>	3.8	5.7	6.1	7.8	11.0	12.0	12.4
<b>Net Imports</b>	753.5	736.6	827.2	980.6	954.2	908.5	880.9
<b>Solid fuels</b>	81.3	78.4	98.4	125.4	111.7	126.3	122.5
<b>Oil</b>	532.5	510.6	533.0	598.4	558.1	523.2	520.1
<b>Gas</b>	135.7	145.6	193.5	254.1	278.0	252.6	231.1
<b>Electricity</b>	3.9	1.8	2.0	1.4	0.6	1.1	1.3
<b>Renewables</b>	0.2	0.3	0.3	1.5	5.8	5.1	5.6
<b>Other (**)</b>	0.0	0.0	0.0	0.0	0.0	0.2	0.2
<b>Gross Inland Consumption</b>	1 667.9	1 674.7	1 730.0	1 831.0	1 763.7	1 666.7	1 605.9
<b>Solid fuels</b>	454.9	365.0	321.3	318.1	282.8	286.2	268.5
<b>Oil</b>	630.0	654.4	662.3	679.9	611.7	555.7	553.2
<b>Gas</b>	298.2	336.1	396.2	445.3	447.3	387.4	342.9
<b>Nuclear</b>	205.2	227.3	243.8	257.5	236.6	226.3	226.1
<b>Renewables</b>	71.9	84.4	98.3	121.0	173.7	197.9	201.2
<b>Other (***)</b>	7.7	7.4	8.0	9.2	11.6	13.3	14.0
<b>Elec. Generation (TWh)</b>	2 595.1	2 743.6	3 035.8	3 325.4	3 366.4	3 270.6	3 190.7
<b>Final Energy Consumption by fuel/product</b>	1 081.1	1 082.7	1 132.8	1 191.3	1 163.8	1 106.6	1 061.7
<b>Solid fuels</b>	124.7	83.0	61.9	53.9	49.9	47.8	46.6
<b>Oil</b>	446.5	466.1	490.5	503.8	458.8	426.8	423.0
<b>Gas</b>	230.0	247.6	267.7	281.3	272.6	258.7	229.3
<b>Electricity</b>	186.0	194.1	217.4	239.5	244.4	238.3	232.7
<b>Renewables</b>	38.7	44.1	48.9	58.6	81.8	83.0	81.4
<b>Other (**)</b>	55.2	47.9	46.4	54.1	56.4	52.0	48.8
<b>by sector</b>							
<b>INDUSTRY</b>	368.2	331.7	333.5	328.1	287.8	278.7	274.8
<b>TRANSPORT</b>	284.2	306.9	344.9	369.4	364.6	348.2	352.9
Rail	8.3	8.3	8.2	7.7	7.2	6.5	6.2
Road	238.0	256.4	283.6	301.5	299.7	284.7	289.8
International aviation	24.2	29.5	38.6	43.4	43.0	43.8	44.3
Domestic aviation	5.5	4.7	6.4	6.6	6.3	5.3	5.3
Domestic navigation	6.4	6.2	6.0	6.8	5.9	4.6	4.3
Consumption in pipeline transport, etc.	1.9	1.8	2.1	3.5	2.6	3.3	3.1
<b>HOUSEHOLDS</b>	274.2	285.3	290.9	308.8	317.0	298.2	263.2
<b>AGRICULTURE</b>	32.6	32.5	29.5	29.0	26.4	25.5	24.7
<b>SERVICES, ETC.</b>	121.9	126.3	134.0	155.9	168.0	156.0	146.1
<b>CO<sub>2</sub> Emissions (Mt) (****)</b>	4 538.6	4 295.9	4 285.6	4 425.8	4 070.8	3 784.4	3 603.7
<b>Energy intensity (toe/M€ '10)</b>	186	174	155	150	138	128	122
<b>CO<sub>2</sub> intensity (tCO<sub>2</sub>/toe)</b>	2.72	2.57	2.48	2.42	2.31	2.27	2.24
<b>Import dependency, %</b>	44.2	43.1	46.7	52.2	52.6	53.1	53.5
<b>RES share in transport, % (*****)</b>				1.41	4.78	5.37	5.94

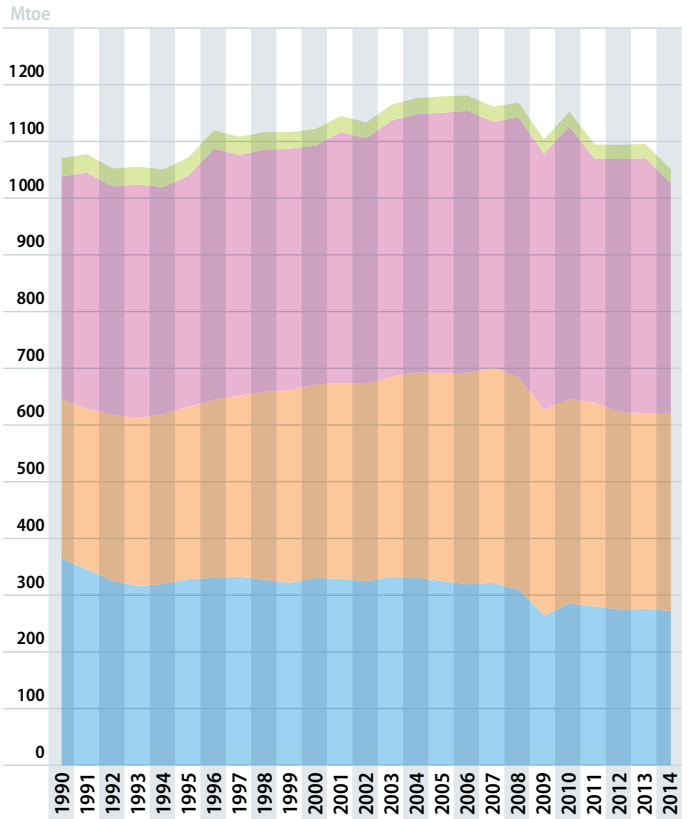
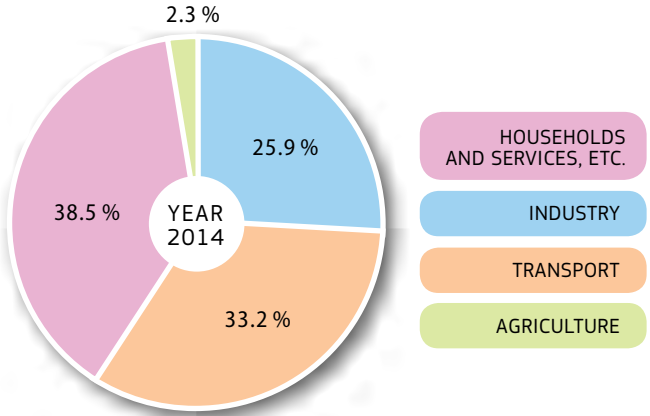
**Notes:** (\*) Including recovered products.  
 (\*\*) Derived heat and industrial waste.  
 (\*\*\*) Electrical energy and industrial waste.  
 (\*\*\*\*) Source: European Environment Agency, June 2016, including international aviation and indirect CO<sub>2</sub>, but excluding international maritime.  
 (\*\*\*\*\*) Renewables share in transport, according to the definition in the Directive 2009/28/EC on the promotion of the use of energy from renewable sources. From 2011, only formally reported compliant biofuels in line with Directive 2009/28/EC are considered for the RES share in transport calculations whereas before 2011 all biofuels are accounted.

## 3.1.5

## Final Energy Consumption BY SECTOR 2014 (Mtoe)

	ALL SECTORS	INDUSTRY	TRANSPORT	Road	Railways	Air	Domestic navigation	Consumption in pipeline transport, etc.	HOUSEHOLDS, SERVICES, ETC.	Households	Agriculture	Services, etc.
EU-28	1061.7	274.8	352.9	289.8	6.2	49.6	4.3	3.1	434.0	263.2	24.7	146.1
Share	100%	26%	33%	82%	2%	14%	1%	1%	41%	61%	6%	34%
BE	34.0	11.7	10.0	8.3	0.2	1.3	0.2	0.0	12.3	7.4	0.6	4.3
BG	9.0	2.6	3.1	2.7	0.0	0.2		0.2	3.3	2.2	0.2	0.9
CZ	23.0	7.5	6.2	5.6	0.2	0.3	0.0	0.0	9.3	5.7	0.6	3.1
DK	13.5	2.1	4.9	3.7	0.1	0.9	0.1	0.0	6.5	4.0	0.7	1.8
DE	208.9	60.7	63.5	52.7	1.3	8.7	0.3	0.4	84.7	51.5		33.2
EE	2.8	0.6	0.8	0.7	0.0	0.0	0.0	0.0	1.5	0.9	0.1	0.5
IE	10.8	2.2	4.5	3.7	0.0	0.8	0.0		4.1	2.6	0.2	1.2
EL	15.6	3.1	6.5	5.0	0.1	1.0	0.4	0.0	6.0	3.8	0.3	2.0
ES	79.2	20.0	32.0	25.7	0.3	5.3	0.3	0.4	27.2	14.7	2.8	9.8
FR	141.7	27.9	49.5	41.4	0.9	6.4	0.5	0.3	64.3	37.4	4.5	22.4
HR	6.2	1.1	2.0	1.8	0.0	0.1	0.0	0.0	3.1	2.2	0.2	0.7
IT	113.4	26.2	40.1	34.3	0.4	3.7	1.0	0.7	47.1	29.5	2.8	14.8
CY	1.6	0.2	0.8	0.6		0.2			0.5	0.3	0.0	0.2
LV	3.9	0.8	1.1	0.9	0.1	0.1	0.0	0.0	2.0	1.2	0.2	0.6
LT	4.8	1.0	1.7	1.6	0.1	0.1	0.0	0.0	2.1	1.4	0.1	0.6
LU	4.0	0.6	2.5	2.1	0.0	0.4			0.9	0.5	0.0	0.4
HU	15.4	4.1	4.0	3.6	0.1	0.2	0.0	0.0	7.3	4.4	0.6	2.3
MT	0.5	0.0	0.3	0.2		0.1	0.0		0.2	0.1	0.0	0.1
NL	47.3	14.3	13.9	9.8	0.2	3.6	0.3		19.1	9.1	3.5	6.4
AT	26.8	9.1	8.7	7.5	0.2	0.7	0.0	0.3	9.0	5.6	0.5	2.8
PL	61.6	15.1	16.4	15.0	0.3	0.6	0.0	0.4	30.2	18.9	3.4	7.8
PT	15.8	4.4	6.5	5.2	0.0	1.1	0.1	0.0	4.9	2.6	0.4	1.9
RO	21.7	6.5	5.5	5.0	0.2	0.2	0.0	0.0	9.8	7.4	0.4	1.9
SI	4.6	1.2	1.8	1.8	0.0	0.0			1.6	1.0	0.1	0.4
SK	10.1	4.4	2.2	2.0	0.0	0.0		0.1	3.4	2.0	0.1	1.3
FI	24.4	10.7	4.8	3.8	0.1	0.7	0.1	0.0	8.9	5.1	0.7	3.2
SE	31.2	11.2	8.5	7.4	0.2	0.8	0.1		11.4	6.6	0.4	4.4
UK	129.8	25.5	51.1	37.6	1.0	11.8	0.7		53.2	35.2	1.0	17.0
MK	1.7	0.5	0.5	0.5	0.0	0.0			0.7	0.5	0.0	0.2
TR	85.9	27.9	23.7	18.9	0.2	3.7	0.5	0.3	34.3	19.2	4.6	10.6
IS	2.9	1.4	0.5	0.3	0.0	0.2	0.0	0.0	1.0	0.4	0.3	0.4
NO	18.4	5.9	5.4	3.6	0.1	0.9	0.6	0.1	7.1	3.8	0.7	2.6
CH												

## Final Energy Consumption – EU-28 BY SECTOR (Mtoe)



**Note:** Renewables not including Electricity.

## 3.1.6

## Final Consumption of Motor Gasoline, Diesel and Biofuels for Transport – BY FUEL 2014 (ktoe)

	FINAL CONSUMPTION OF MOTOR GASOLINE AND DIESEL OIL FOR TRANSPORT (*)	Motor Gasoline	Gas / Diesel Oil	BIOFUELS	Biogasoline	Biodiesel	Other liquid biofuels (**)
EU-28	274 107.3	78 999.9	195 107.4	14 006.9	2 656.6	11 341.9	8.4
BE	8 067.3	1 268.5	6 798.8	396.7	39.2	357.5	
BG	2 089.7	505.5	1 584.2	110.7	14.8	95.9	
CZ	5 315.1	1 557.9	3 757.1	316.8	65.8	251.0	
DK	3 681.3	1 322.3	2 359.0	231.1		231.1	
DE	49 857.5	17 682.2	32 175.3	2 739.7	779.1	1 957.0	3.5
EE	727.7	241.7	486.0	5.8	5.8		
IE	3 617.0	1 178.9	2 438.1	89.7	24.7	65.0	
EL	4 852.2	2 697.1	2 155.0	134.5		134.5	
ES	25 165.2	4 596.4	20 568.8	950.8	186.3	764.5	
FR	38 875.4	6 790.6	32 084.8	2 906.2	406.5	2 499.7	
HR	1 762.7	554.9	1 207.8	29.8		29.8	
IT	31 267.9	8 494.6	22 773.3	1 065.4	10.2	1 055.2	
CY	589.8	360.8	229.0	9.7		9.7	
LV	885.8	205.8	679.9	24.2	6.4	17.8	
LT	1 421.3	205.4	1 215.9	63.2	5.8	57.4	
LU	2 001.1	313.6	1 687.5	71.6	3.2	68.3	0.1
HU	3 464.9	1 186.7	2 278.2	188.4	60.4	128.1	
MT	176.7	73.9	102.7	4.9		4.9	
NL	9 531.8	3 801.2	5 730.7	357.6	136.7	220.9	
AT	6 936.5	1 529.6	5 406.9	585.2	63.1	522.2	
PL	12 689.1	3 535.4	9 153.7	705.4	132.8	572.5	
PT	4 968.6	1 144.5	3 824.1	261.2	2.0	254.5	4.7
RO	4 921.8	1 354.1	3 567.7	166.6	41.6	125.0	
SI	1 724.2	447.2	1 276.9	46.4	7.6	38.8	
SK	1 868.1	551.6	1 316.5	133.9	24.6	109.3	
FI	3 472.8	1 363.9	2 108.9	497.6	70.0	427.7	
SE	6 518.7	2 850.5	3 668.2	788.3	165.1	623.2	
UK	37 657.2	13 185.1	24 472.2	1 125.3	404.9	720.4	
MK	484.6	105.1	379.5				
TR	15 896.5	1 991.6	13 904.9	137.2	35.2	102.0	
IS	261.4	141.6	119.9	3.5		3.5	
NO	4 100.6	926.9	3 173.7	124.3	6.4	114.3	3.7
CH							

Notes: (\*) Without bio components.

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

## Biofuels Production BY FUEL 2014 (ktoe)

	TOTAL	Biogasoline	Biodiesel	Other liquid biofuels (*)
EU-28	13 889.5	2 295.5	11 248.9	345.1
BE	506.3	165.2	339.6	1.6
BG	67.8	13.2	54.5	
CZ	261.0	67.1	193.8	
DK	17.3			17.3
DE	3 596.8	449.5	3 042.6	104.7
EE				
IE	24.2		24.2	
EL	141.6		141.6	
ES	1 318.1	247.3	1 070.8	
FR	2 567.4	492.9	2 074.5	
HR	31.2		31.2	
IT	613.6	0.6	512.1	100.9
CY				
LV	66.6		66.6	
LT	112.0	6.2	105.8	
LU				
HU	306.3	187.1	119.2	
MT	1.0		1.0	
NL	1 520.0		1 520.0	
AT	383.0	148.1	234.4	0.5
PL	745.2	92.1	653.0	0.1
PT	301.1		286.5	14.6
RO	104.6	7.7	96.9	
SI				
SK	147.0	54.3	92.7	
FI	406.1	12.8	354.2	39.1
SE	261.7	88.6	106.8	66.2
UK	389.5	262.7	126.8	
MK				
TR	69.7	35.4	33.9	0.4
IS	0.1		0.1	
NO	3.5			3.5
CH				

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

## 3.2

## 3.2.1

## Total Greenhouse Gas Emissions (GHG) (\*)

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

	1990	1995	2000	2005	2010	2013	2014
<b>EU-28</b>	<b>5 665.5</b>	<b>5 313.2</b>	<b>5 168.0</b>	<b>5 215.3</b>	<b>4 782.3</b>	<b>4 467.1</b>	<b>4 282.1</b>
BE	146.0	154.0	149.2	144.8	133.3	119.4	113.9
BG	104.0	73.5	58.3	62.7	59.8	54.9	57.2
CZ	199.3	158.1	150.9	148.7	140.2	130.7	125.9
DK	70.7	78.6	71.1	66.7	63.6	55.5	51.2
DE	1 246.1	1 118.5	1 041.1	989.9	939.4	943.5	900.2
EE	40.0	19.9	17.1	18.3	19.9	21.7	21.1
IE	56.2	59.9	69.3	70.4	62.3	58.5	58.3
EL	104.8	110.8	127.7	136.0	118.7	104.7	101.4
ES	285.9	325.7	385.1	438.5	360.8	327.4	328.9
FR	548.1	547.0	554.3	554.8	514.5	486.5	458.9
HR	34.8	24.4	27.0	31.1	29.0	25.0	24.5
IT	521.9	533.4	554.5	578.9	508.4	438.9	418.6
CY	5.7	7.1	8.4	9.3	9.6	8.0	8.4
LV	26.2	12.8	10.4	11.4	12.3	11.3	11.3
LT	47.1	21.6	18.7	22.3	20.1	19.1	19.0
LU	12.9	10.1	9.7	13.0	12.2	11.2	10.8
HU	94.1	75.7	73.6	75.9	65.5	57.6	57.2
MT	2.0	2.5	2.6	3.0	3.1	3.0	3.0
NL	222.2	232.2	220.3	214.4	213.8	195.0	187.1
AT	78.8	79.8	80.4	92.8	84.9	80.0	76.3
PL	472.9	445.2	392.2	396.9	406.2	393.4	380.3
PT	60.7	71.4	84.0	88.2	70.4	65.0	64.6
RO	251.9	182.8	140.5	146.6	117.0	110.0	109.8
SI	18.6	18.8	19.1	20.5	19.6	18.3	16.6
SK	74.7	54.7	49.9	51.5	46.5	42.9	40.6
FI	71.3	71.8	70.0	69.5	75.9	63.3	59.1
SE	71.9	74.0	68.9	67.0	65.0	55.9	54.4
UK	796.6	748.8	713.8	692.1	610.2	566.3	523.7
MK							
TR							
IS	3.6	3.4	4.0	3.9	4.7	4.5	4.6
NO							
CH							

**Notes:** 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).

(\*) Excluding International Bunkers and LULUCF (Land Use, Land – Use Change and Forestry) emissions, including indirect CO<sub>2</sub>.

## GHG Emissions (\*) from Transport

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

INCLUDING INTERNATIONAL BUNKERS (\*\*)

	1990	1995	2000	2005	2010	2013	2014
<b>EU-28</b>	<b>963.4</b>	<b>1 034.9</b>	<b>1 168.3</b>	<b>1 263.7</b>	<b>1 227.5</b>	<b>1 158.5</b>	<b>1 161.3</b>
BE	37.1	38.6	45.6	55.0	56.2	48.7	47.0
BG	7.7	6.3	6.1	8.8	8.8	8.2	9.3
CZ	7.8	9.9	12.7	18.4	18.3	17.5	18.0
DK	15.5	19.0	18.7	18.2	17.7	16.4	17.1
DE	183.0	198.3	208.0	191.5	186.7	191.5	192.4
EE	3.1	1.9	2.1	2.7	3.1	3.6	3.4
IE	6.3	7.8	13.1	16.0	14.3	13.6	14.0
EL	25.3	31.0	33.2	33.5	33.4	27.6	26.7
ES	76.4	87.7	116.6	140.8	131.7	115.9	118.6
FR	137.5	149.0	163.4	165.6	158.2	155.2	153.8
HR	4.5	3.7	4.8	5.9	6.3	6.1	6.0
IT	111.9	124.1	136.0	144.9	136.2	117.8	118.9
CY	2.1	2.6	3.3	3.9	3.8	3.4	3.3
LV	4.8	2.7	2.3	4.1	4.4	4.0	4.1
LT	8.4	4.5	3.8	5.0	5.2	5.1	5.3
LU	3.1	4.0	5.8	8.3	7.7	7.5	7.4
HU	9.2	7.8	9.6	12.6	12.3	10.5	11.7
MT	1.3	2.2	3.0	2.9	5.5	4.7	5.0
NL	66.8	73.1	85.5	97.0	90.5	85.9	83.5
AT	14.9	17.3	20.6	27.0	24.5	24.9	24.2
PL	22.5	24.8	29.4	37.0	50.2	46.0	46.4
PT	12.9	16.1	22.6	23.2	22.8	20.5	20.8
RO	13.2	9.2	10.3	13.0	14.8	15.7	16.5
SI	2.8	3.9	3.9	4.6	5.4	5.7	5.6
SK	7.0	5.6	5.7	7.7	7.5	6.9	6.6
FI	15.0	13.3	15.3	15.9	15.1	14.5	13.3
SE	23.1	24.8	26.6	29.8	29.3	26.0	26.2
UK	140.1	145.9	160.1	170.4	157.8	155.3	156.2
MK							
TR							
IS	0.9	1.0	1.3	1.4	1.4	1.6	1.7
NO							
CH							

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

(\*\*) The activity data used in GHG inventories to report international maritime emissions (emissions from bunker fuels) are not fully consistent with the energy statistics on bunker fuels for some years and countries. For EU-28, changes in international maritime emissions between 2010 and 2011 show inconsistency with changes in energy statistics on bunker fuels.

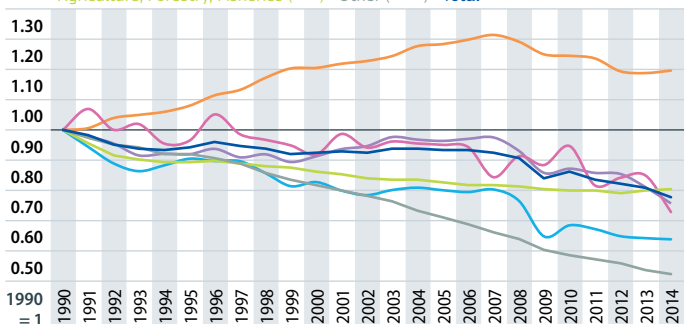
## 3.2.3

## GHG Emissions (\*) by Sector – EU-28

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

	TOTAL ENERGY	FUEL COMBUSTION	ENERGY INDUSTRIES			MANUFACTURING AND CONSTRUCTION		Other					
			Public Electricity and Heat Production	Petroleum Refining	Other Energy Industries	Iron and Steel	Non-Ferrous Metals	Chemicals	Pulp, Paper and Print	Food, Beverages and Tobacco	Other		
1990	44236	42222	16589	14188	122.6	117.5	864.1	176.6	17.3	118.1	34.8	52.7	464.6
1995	41728	40044	15220	12904	129.5	102.1	750.2	159.4	18.7	112.3	38.9	61.0	359.8
2000	41299	3995.1	15106	12923	132.6	85.7	686.3	138.1	18.3	97.8	37.1	55.5	339.5
2001	42033	4073.1	15510	1333.1	135.6	82.2	662.0	129.4	19.1	94.5	34.8	54.9	329.3
2002	41727	4045.5	1567.7	1348.7	135.9	83.0	645.0	123.6	18.4	92.1	34.9	54.0	322.0
2003	42616	4137.5	16189	1401.3	135.4	82.2	655.4	124.8	17.8	95.3	35.7	53.6	328.2
2004	42615	4145.1	16044	1385.1	138.8	80.5	652.1	128.9	17.3	94.4	34.2	51.8	325.4
2005	42436	4130.4	1597.1	1374.2	142.2	80.8	642.1	124.6	16.3	93.1	34.5	50.8	322.8
2006	42494	4140.8	1608.7	1387.1	138.6	83.0	637.0	128.2	15.9	91.7	33.9	46.3	321.0
2007	41897	4086.7	16166	1396.7	139.4	80.5	638.4	133.9	15.6	88.8	33.3	45.7	321.1
2008	41155	4014.9	1541.4	1322.5	140.6	78.3	609.2	126.1	15.0	87.7	29.5	43.3	307.5
2009	38247	3730.8	1417.3	1219.1	132.9	65.2	510.4	92.1	13.7	77.7	27.1	39.1	260.8
2010	3927.1	3833.8	1441.2	1234.3	133.4	73.5	544.6	111.0	14.2	79.1	28.6	40.9	270.8
2011	3782.1	3690.3	1417.5	1215.1	131.1	71.2	531.2	109.9	13.4	77.6	27.2	39.3	263.8
2012	3734.3	3643.3	1411.8	1225.3	126.6	59.9	510.7	105.4	12.5	75.6	26.6	39.2	251.4
2013	3650.3	3561.2	1337.0	1160.7	119.5	56.7	502.5	104.3	10.2	75.5	26.1	38.8	247.5
2014	3461.0	3373.7	1245.6	1075.2	115.3	55.1	492.4	105.1	9.4	72.4	24.6	37.4	243.5

Energy Industries - Industry (\*\*\*) - Transport (\*\*) - Residential & Commercial - Agriculture, Forestry, Fisheries (\*\*\*\*) - Other (\*\*\*\*\*) - Total



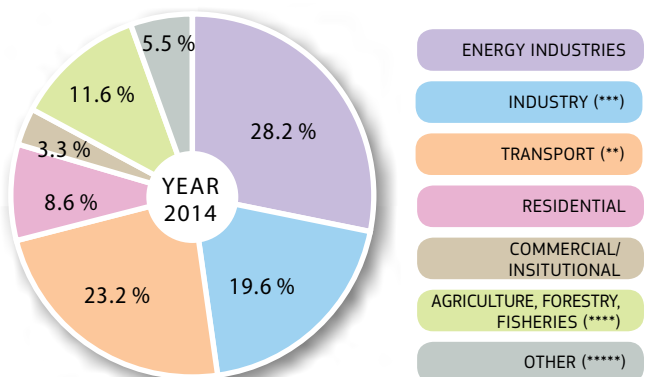
- Notes:** (\*) Excluding LULUCF (Land Use, Land – Use Change and Forestry) emissions and international maritime, including international aviation and indirect CO<sub>2</sub>.  
 (\*\*) Excluding international maritime (international traffic departing from the EU), including international aviation.  
 (\*\*\*) Emissions from Manufacturing and Construction, Industrial Processes and Product Use.  
 (\*\*\*\*) Emissions from Fuel Combustion and other Emissions from Agriculture.  
 (\*\*\*\*\*) Emissions from Fuel Combustion in Other (Not elsewhere specified), Fugitive Emissions from Fuels, Waste, Indirect CO<sub>2</sub> and Other.



## GHG Emissions (\*) by Sector – EU-28

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

TRANSPORT (**)	OTHER SECTORS				OTHER (NOT ELSE-WHERE SPECIFIED)	FUGITIVE EMISSIONS FROM FUELS	INDUSTRIAL PROCESSES & PRODUCT USE	AGRICULTURE	WASTE	OTHER	INDIRECT CO <sub>2</sub>	TOTAL EMISSIONS	
	Commercial / Institutional	Residential	Agriculture / Forestry / Fisheries										
854.1	821.7	203.1	523.2	95.4	23.4	201.4	512.2	547.8	243.2	0.0	8.3	5735.1	1990
924.3	794.4	184.3	515.7	94.4	13.5	168.5	492.0	477.9	249.4	0.0	7.1	5399.3	1995
1034.0	754.8	177.8	488.0	89.0	9.5	134.7	446.6	463.9	237.1	0.0	6.3	5283.8	2000
1046.0	805.5	193.1	523.3	89.1	8.6	130.2	431.2	457.3	232.7	0.0	6.1	5330.6	2001
1053.9	770.2	180.8	502.0	87.4	8.7	127.2	427.1	450.6	229.2	0.0	5.9	5285.4	2002
1068.3	785.6	181.5	516.2	87.9	9.3	124.1	440.6	446.1	222.6	0.0	5.7	5376.7	2003
1097.0	781.2	185.6	507.2	88.4	10.3	116.4	454.7	445.3	213.2	0.0	5.5	5380.3	2004
1102.9	778.4	185.7	503.9	88.8	9.9	113.2	452.9	438.6	206.4	0.0	5.5	5347.0	2005
1115.7	769.9	190.1	494.1	85.8	9.6	108.6	449.4	437.3	200.6	0.0	5.3	5342.0	2006
1129.5	692.3	168.3	441.5	82.5	10.0	103.0	459.9	439.2	193.7	0.0	5.1	5287.6	2007
1109.8	745.6	188.3	473.4	83.9	8.9	100.5	436.4	436.3	185.4	0.0	4.8	5178.4	2008
1073.0	721.8	180.2	459.8	81.8	8.3	93.9	368.3	431.1	176.6	0.0	4.5	4805.2	2009
1069.0	771.1	189.1	497.6	84.4	7.8	93.2	386.6	426.9	169.2	0.0	4.6	4914.4	2010
1061.4	672.4	169.8	419.7	82.9	7.7	91.9	382.4	426.9	163.4	0.0	4.5	4759.4	2011
1024.2	689.8	166.6	441.9	81.4	6.9	91.0	369.8	424.4	158.5	0.0	4.4	4691.4	2012
1019.0	695.8	168.7	445.2	81.9	6.9	89.1	368.7	428.1	150.7	0.0	4.3	4602.1	2013
1026.2	602.9	146.1	377.9	78.9	6.5	87.3	373.4	434.9	145.7	0.0	4.1	4419.2	2014



**Notes:** (\*) Excluding LULUCF (Land Use, Land – Use Change and Forestry) emissions and international maritime, including international aviation and indirect CO<sub>2</sub>.  
 (\*\*) Excluding international maritime (international traffic departing from the EU), including international aviation.  
 (\*\*\*) Emissions from Manufacturing and Construction, Industrial Processes and Product Use.  
 (\*\*\*\*) Emissions from Fuel Combustion and other Emissions from Agriculture.  
 (\*\*\*\*\* Emissions from Fuel Combustion in Other (Not elsewhere specified), Fugitive Emissions from Fuels, Waste, Indirect CO<sub>2</sub> and Other.

## 3.2.3

## GHG Emissions (\*) by Sector – EU-28 SHARES %

	TOTAL ENERGY	FUEL COMBUSTION	ENERGY INDUSTRIES				MANUFACTURING AND CONSTRUCTION								
			Public Electricity and Heat Production	Petroleum Refining	Other Energy Industries	Iron and Steel	Non-Ferrous Metals	Chemicals	Pulp, Paper and Print	Food, Beverages and Tobacco	Other				
1990	77.1	95.4	39.3	85.5	7.4	7.1	20.5	20.4	2.0	13.7	4.0	6.1	53.8		
1991	77.8	95.7	38.7	86.0	7.2	6.8	19.5	20.3	2.3	13.6	4.5	6.5	52.7		
1992	77.8	95.7	38.9	86.3	7.4	6.3	18.7	20.5	2.2	13.3	4.7	6.9	52.4		
1993	77.8	95.7	37.9	85.5	7.9	6.5	18.3	20.3	2.4	13.3	4.8	7.3	52.0		
1994	77.4	95.9	38.4	85.2	8.1	6.7	18.5	21.4	2.4	14.0	5.3	7.9	49.0		
1995	77.3	96.0	38.0	84.8	8.5	6.7	18.7	21.2	2.5	15.0	5.2	8.1	48.0		
1996	77.7	96.2	37.7	85.1	8.6	6.3	17.9	20.1	2.4	14.9	5.2	8.4	49.1		
1997	77.3	96.2	37.4	84.6	8.9	6.5	18.2	21.1	2.6	14.5	5.3	8.2	48.4		
1998	77.7	96.5	37.7	85.1	8.9	6.0	17.4	21.1	2.7	14.0	5.3	8.1	48.8		
1999	78.1	96.6	37.2	85.3	8.8	5.9	17.1	20.0	2.7	14.2	5.2	8.2	49.7		
2000	78.2	96.7	37.8	85.6	8.8	5.7	17.2	20.1	2.7	14.2	5.4	8.1	49.5		
2001	78.9	96.9	38.1	86.0	8.7	5.3	16.3	19.6	2.9	14.3	5.2	8.3	49.8		
2002	78.9	97.0	38.8	86.0	8.7	5.3	15.9	19.2	2.9	14.3	5.4	8.4	49.9		
2003	79.3	97.1	39.1	86.6	8.4	5.1	15.8	19.0	2.7	14.5	5.4	8.2	50.1		
2004	79.2	97.3	38.7	86.3	8.7	5.0	15.7	19.8	2.7	14.5	5.2	7.9	49.9		
2005	79.4	97.3	38.7	86.0	8.9	5.1	15.5	19.4	2.5	14.5	5.4	7.9	50.3		
2006	79.5	97.4	38.9	86.2	8.6	5.2	15.4	20.1	2.5	14.4	5.3	7.3	50.4		
2007	79.2	97.5	39.6	86.4	8.6	5.0	15.6	21.0	2.4	13.9	5.2	7.2	50.3		
2008	79.5	97.6	38.4	85.8	9.1	5.1	15.2	20.7	2.5	14.4	4.8	7.1	50.5		
2009	79.6	97.5	38.0	86.0	9.4	4.6	13.7	18.0	2.7	15.2	5.3	7.7	51.1		
2010	79.9	97.6	37.6	85.6	9.3	5.1	14.2	20.4	2.6	14.5	5.3	7.5	49.7		
2011	79.5	97.6	38.4	85.7	9.3	5.0	14.4	20.7	2.5	14.6	5.1	7.4	49.7		
2012	79.6	97.6	38.7	86.8	9.0	4.2	14.0	20.6	2.4	14.8	5.2	7.7	49.2		
2013	79.3	97.6	37.5	86.8	8.9	4.2	14.1	20.8	2.0	15.0	5.2	7.7	49.3		
2014	78.3	97.5	36.9	86.3	9.3	4.4	14.6	21.4	1.9	14.7	5.0	7.6	49.5		

**Notes:** (\*) Excluding LULUCF (Land Use, Land – Use Change and Forestry) emissions and international maritime, including international aviation and indirect CO<sub>2</sub>. 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-28 SHARES %

TRANSPORT (**)	OTHER SECTORS				OTHER (NOT ELSE-WHERE SPECIFIED)	FUGITIVE EMISSIONS FROM FUELS	INDUSTRIAL PROCESSES & PRODUCT USE	AGRICULTURE	WASTE	OTHER	INDIRECT CO <sub>2</sub>	TOTAL EMISSIONS	
	Commercial / Institutional	Residential	Agriculture / Forestry / Fisheries										
20.2	19.5	24.7	63.7	11.6	0.6	4.6	8.9	9.6	4.2	0.0	0.1	100	1990
20.5	20.8	24.3	64.8	10.9	0.5	4.3	8.5	9.2	4.4	0.0	0.1	100	1991
21.8	20.1	23.8	64.9	11.2	0.4	4.3	8.4	9.1	4.5	0.0	0.1	100	1992
22.5	20.9	23.1	65.5	11.4	0.4	4.3	8.4	9.0	4.6	0.0	0.1	100	1993
22.8	19.9	22.9	65.1	12.0	0.4	4.1	8.9	8.9	4.6	0.0	0.1	100	1994
23.1	19.8	23.2	64.9	11.9	0.3	4.0	9.1	8.9	4.6	0.0	0.1	100	1995
23.2	20.9	23.3	65.4	11.3	0.3	3.8	8.9	8.7	4.5	0.0	0.1	100	1996
24.1	20.1	23.0	65.4	11.6	0.3	3.8	9.2	8.8	4.6	0.0	0.1	100	1997
24.9	19.7	23.3	65.2	11.5	0.3	3.5	8.8	8.8	4.5	0.0	0.1	100	1998
25.9	19.6	23.8	64.5	11.7	0.3	3.4	8.3	8.9	4.5	0.0	0.1	100	1999
25.9	18.9	23.6	64.7	11.8	0.2	3.3	8.5	8.8	4.5	0.0	0.1	100	2000
25.7	19.8	24.0	65.0	11.1	0.2	3.1	8.1	8.6	4.4	0.0	0.1	100	2001
26.1	19.0	23.5	65.2	11.3	0.2	3.0	8.1	8.5	4.3	0.0	0.1	100	2002
25.8	19.0	23.1	65.7	11.2	0.2	2.9	8.2	8.3	4.1	0.0	0.1	100	2003
26.5	18.8	23.8	64.9	11.3	0.2	2.7	8.5	8.3	4.0	0.0	0.1	100	2004
26.7	18.8	23.9	64.7	11.4	0.2	2.7	8.5	8.2	3.9	0.0	0.1	100	2005
26.9	18.6	24.7	64.2	11.1	0.2	2.6	8.4	8.2	3.8	0.0	0.1	100	2006
27.6	16.9	24.3	63.8	11.9	0.2	2.5	8.7	8.3	3.7	0.0	0.1	100	2007
27.6	18.6	25.3	63.5	11.3	0.2	2.4	8.4	8.4	3.6	0.0	0.1	100	2008
28.8	19.3	25.0	63.7	11.3	0.2	2.5	7.7	9.0	3.7	0.0	0.1	100	2009
27.9	20.1	24.5	64.5	10.9	0.2	2.4	7.9	8.7	3.4	0.0	0.1	100	2010
28.8	18.2	25.3	62.4	12.3	0.2	2.4	8.0	9.0	3.4	0.0	0.1	100	2011
28.1	18.9	24.1	64.1	11.8	0.2	2.4	7.9	9.0	3.4	0.0	0.1	100	2012
28.6	19.5	24.2	64.0	11.8	0.2	2.4	8.0	9.3	3.3	0.0	0.1	100	2013
30.4	17.9	24.2	62.7	13.1	0.2	2.5	8.4	9.8	3.3	0.0	0.1	100	2014

**Notes:** (\*) Excluding LULUCF (Land Use, Land – Use Change and Forestry) emissions and international maritime, including international aviation and indirect CO<sub>2</sub>.  
 (\*\*) Excluding international maritime (international traffic departing from the EU), including international aviation;  
 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).

## 3.2.4

## GHG Emissions (\*) by Sector – 2014

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

	TOTAL ENERGY	FUEL COMBUSTION	ENERGY INDUSTRIES				MANUFACTURING AND CONSTRUCTION		Non-Ferrous Metals		Pulp, Paper and Print		Food, Beverages and Tobacco	
			Public Electricity and Heat Production	Petroleum Refining	Other Energy Industries	Iron and Steel	Chemicals	Other						
EU-28	3461.0	3373.7	1245.6	1075.2	115.3	55.1	492.4	105.1	9.4	72.4	24.6	37.4	243.5	
BE	86.4	85.7	20.5	15.5	4.8	0.2	13.3	1.1	0.4	3.1	0.6	2.2	5.8	
BG	43.7	42.6	29.0	28.1	0.9	0.0	2.8	0.1	0.3	0.2	0.1	0.3	1.7	
CZ	95.9	91.9	53.2	46.7	0.8	5.6	10.0	2.1	0.1	1.6	0.4	1.0	4.8	
DK	39.5	39.1	15.5	13.3	0.9	1.4	4.2	0.1	0.0	0.3	0.1	1.2	2.5	
DE	786.9	776.4	346.3	318.0	17.7	10.6	119.7	34.0	0.1		0.0	0.2	85.4	
EE	18.8	18.8	14.9	14.4		0.6	0.7		0.0	0.0	0.0	0.0	0.7	
IE	37.3	37.2	11.1	10.8	0.3	0.1	4.3		1.4	0.3	0.0	0.8	1.8	
EL	78.1	76.9	45.9	40.6	5.3	0.0	5.5	0.1	0.6	0.4	0.1	0.7	3.6	
ES	251.9	246.9	75.7	62.4	11.8	1.5	40.4	5.0	1.4	8.0	4.0	3.0	19.1	
FR	336.1	332.2	39.4	28.2	7.9	3.3	60.0	15.2	0.8	17.0	2.7	7.0	17.2	
HR	18.0	16.1	4.6	3.1	1.3	0.2	2.6	0.1	0.0	0.3	0.1	0.4	1.6	
IT	349.3	340.9	99.8	71.8	21.2	6.9	52.0	11.2	1.1	8.4	4.2	3.7	23.5	
CY	6.7	6.7	2.9	2.9			0.7		0.0	0.0	0.0	0.1	0.6	
LV	7.3	7.2	1.7	1.6		0.1	0.7	0.0	0.0	0.0	0.0	0.1	0.6	
LT	11.2	10.9	3.2	1.8	1.3	0.0	1.1			0.2	0.0	0.2	0.7	
LU	10.7	10.6	0.7	0.7			1.1	0.3	0.0	0.1	0.0	0.0	0.6	
HU	40.8	39.9	13.2	11.4	1.4	0.4	4.2	0.2	0.2	0.4	0.2	0.7	2.5	
MT	2.8	2.8	1.6	1.6			0.0						0.0	
NL	164.7	162.3	64.1	51.7	9.7	2.7	24.2	3.6	0.1	12.0	1.0	3.5	4.0	
AT	53.4	52.9	9.7	6.7	2.7	0.2	10.5	1.7	0.3	1.9	1.4	0.9	4.4	
PL	311.1	292.2	160.4	153.5	4.0	2.9	30.0	5.7	1.2	6.6	1.7	4.1	10.7	
PT	47.0	45.4	14.5	12.4	2.1		7.7	0.1		1.2	1.1	0.8	4.5	
RO	76.9	65.6	25.1	21.8	1.6	1.7	13.8	2.6		2.9	0.1	0.9	7.3	
SI	13.3	13.0	4.4	4.4		0.0	1.6	0.2	0.1	0.1	0.3	0.1	0.8	
SK	27.1	25.6	7.2	4.7	1.2	1.3	7.3	3.2	0.2	0.5	0.5	0.3	2.6	
FI	46.3	46.2	19.4	16.5	2.6	0.3	8.5	2.3	0.1	0.7	2.8	0.2	2.3	
SE	41.6	40.8	9.3	6.8	2.2	0.4	7.8	1.3	0.1	1.2	0.8	0.4	4.0	
UK	458.3	446.8	152.2	123.8	13.5	14.8	57.5	14.9	0.9	4.9	2.1	4.5	30.2	
MK														
TR														
IS	2.2	2.1	0.0	0.0			0.0	0.0	0.0			0.0	0.0	
NO														
CH														

Note: (\*) Excluding LULUCF (Land Use, Land – Use Change and Forestry) emissions and international maritime, including international aviation and indirect CO<sub>2</sub>.

## GHG Emissions (\*) by Sector – 2014

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

TRANSPORT (**)	OTHER SECTORS				OTHER (NOT ELSE-WHERE SPECIFIED)	FUGITIVE EMISSIONS FROM FUELS	INDUSTRIAL PROCESSES & PRODUCT USE	AGRICULTURE	WASTE	OTHER	INDIRECT CO <sub>2</sub>	TOTAL EMISSIONS	
1026.2	602.9	146.1	377.9	78.9	6.5	87.3	373.4	434.9	145.7	0.0	4.1	4419.2	EU-28
29.3	22.6	4.9	15.8	1.9	0.0	0.6	19.8	9.9	1.8			117.9	BE
9.0	1.8	0.3	1.0	0.5	0.0	1.0	4.7	5.1	4.2			57.7	BG
18.0	10.4	2.5	6.6	1.3	0.3	4.0	15.3	8.3	5.1		2.2	126.8	CZ
14.8	4.2	0.8	1.6	1.9	0.2	0.4	2.1	10.6	1.3		0.4	53.9	DK
185.7	123.7	32.7	85.2	5.7	1.0	10.5	61.0	66.1	10.8	0.0		924.8	DE
2.4	0.7	0.1	0.3	0.3	0.0	0.0	0.7	1.3	0.3			21.2	EE
13.6	8.1	1.8	5.7	0.6		0.0	2.9	18.8	1.5		0.1	60.5	IE
20.5	5.0	0.6	3.9	0.5		1.2	12.4	8.7	5.1			104.3	EL
93.7	37.1	8.7	16.4	12.0		5.0	37.7	37.4	15.7			342.7	ES
147.5	85.3	24.1	48.6	12.7		4.0	40.0	78.9	19.5		0.9	475.4	FR
6.0	2.9	0.5	1.8	0.6		2.0	2.9	2.3	1.5			24.8	HR
114.3	74.1	20.9	45.7	7.5	0.6	8.4	30.3	30.3	18.2			428.0	IT
2.6	0.5	0.1	0.3	0.1	0.0		1.4	0.6	0.5			9.2	CY
3.3	1.4	0.5	0.6	0.4	0.0	0.1	0.8	2.7	0.8		0.0	11.6	LV
5.3	1.3	0.3	0.8	0.1	0.0	0.3	3.1	3.9	1.1			19.2	LT
7.4	1.5	0.4	1.0	0.1		0.0	0.6	0.7	0.0			12.0	LU
11.7	10.8	2.9	6.5	1.5		0.9	6.1	6.5	4.3			57.7	HU
1.0	0.2	0.1	0.1	0.0			0.2	0.1	0.2			3.3	MT
41.4	32.4	7.2	15.7	9.5	0.2	2.4	11.1	18.4	3.6		0.2	198.0	NL
24.2	8.5	2.0	5.6	0.9	0.0	0.5	16.1	7.1	1.8			78.3	AT
45.9	55.8	7.9	37.2	10.8		18.9	29.9	30.2	10.8			382.0	PL
18.7	4.4	1.1	2.2	1.1	0.1	1.6	6.1	7.2	7.2		0.1	67.6	PT
16.2	10.1	2.1	7.1	1.0	0.4	11.4	10.9	16.8	5.8			110.4	RO
5.5	1.4	0.3	0.8	0.2	0.0	0.4	1.1	1.7	0.5			16.7	SI
6.6	4.5	1.6	2.9	0.1	0.1	1.5	8.9	3.1	1.6			40.8	SK
13.0	4.2	1.0	1.7	1.4	1.1	0.1	6.0	6.5	2.2		0.1	61.1	FI
20.2	3.3	0.7	1.1	1.5	0.2	0.8	6.4	7.1	1.5			56.7	SE
148.4	86.7	20.1	61.9	4.7	2.0	11.4	34.9	44.6	18.9			556.7	UK
													MK
													TR
1.4	0.6	0.0	0.0	0.6		0.2	1.9	0.7	0.3			5.2	IS
													NO
													CH

**Notes:** (\*) Excluding LULUCF (Land Use, Land – Use Change and Forestry) emissions and international maritime, including international aviation and indirect CO<sub>2</sub>.  
(\*\*) Excluding international maritime (international traffic departing from the EU), including international aviation.

## GHG Emissions (\*) by Sector – 2014

### SHARES %

	TOTAL ENERGY	FUEL COMBUSTION	ENERGY INDUSTRIES				MANUFACTURING AND CONSTRUCTION										
			Public Electricity and Heat Production	Petroleum Refining	Other Energy Industries	Iron and Steel	Non-Ferrous Metals	Chemicals	Pulp, Paper and Print	Food, Beverages and Tobacco	Other						
EU-28	78.3	97.5	36.9	86.3	9.3	4.4	14.6	21.4	1.9	14.7	5.0	7.6	49.5				
BE	73.2	99.3	24.0	75.6	23.4	1.0	15.5	8.4	3.0	23.6	4.7	16.7	43.6				
BG	75.7	97.6	68.1	96.8	3.2	0.0	6.5	4.2	12.3	7.9	4.5	9.3	61.8				
CZ	75.7	95.9	57.8	87.9	1.5	10.6	10.9	21.3	1.0	15.9	4.5	9.9	47.4				
DK	73.3	99.0	39.8	85.2	5.9	8.8	10.8	2.0	0.0	8.0	3.5	28.1	58.5				
DE	85.1	98.7	44.6	91.8	5.1	3.1	15.4	28.4	0.1		0.0	0.1	71.3				
EE	88.9	99.9	79.5	96.1		3.9	3.7		0.3	2.2	0.5	0.7	96.4				
IE	61.6	99.9	30.0	96.6	2.5	0.9	11.6		33.3	5.9	0.3	18.5	41.9				
EL	74.9	98.5	59.8	88.4	11.6	0.1	7.1	2.7	11.4	6.5	2.4	12.0	64.9				
ES	73.5	98.0	30.7	82.4	15.6	2.0	16.4	12.3	3.4	19.8	9.9	7.4	47.3				
FR	70.7	98.8	11.9	71.5	20.2	8.3	18.1	25.3	1.3	28.4	4.5	11.8	28.7				
HR	72.9	88.9	28.5	67.6	29.0	3.4	15.9	2.0	0.7	12.2	5.4	16.1	63.6				
IT	81.6	97.6	29.3	71.9	21.2	6.9	15.3	21.5	2.1	16.2	8.0	7.1	45.1				
CY	73.3	100.0	43.8	100.0			10.4		0.4	0.9	0.4	8.4	89.8				
LV	62.7	98.1	23.8	96.0		4.0	10.1	0.1	0.5	4.0	0.8	17.5	77.1				
LT	58.0	97.4	29.1	58.0	41.4	0.5	10.2			15.2	2.4	22.5	59.9				
LU	88.6	99.6	6.8	100.0			10.3	24.8	4.5	13.0	0.9	1.1	55.6				
HU	70.7	97.9	33.0	86.7	10.5	2.8	10.6	4.3	4.0	10.2	4.6	16.9	59.9				
MT	85.4	100.0	56.7	100.0			1.2						100.0				
NL	83.2	98.6	39.5	80.6	15.2	4.3	14.9	14.9	0.5	49.5	4.2	14.4	16.5				
AT	68.2	99.1	18.3	69.3	28.1	2.6	19.9	16.3	2.5	17.9	13.2	8.7	41.4				
PL	81.4	93.9	54.9	95.7	2.5	1.8	10.3	19.0	3.9	21.9	5.5	13.8	35.8				
PT	69.5	96.7	31.9	85.3	14.7		17.0	1.9		15.2	13.8	10.2	58.9				
RO	69.7	85.2	38.2	86.9	6.4	6.6	21.0	18.6		21.2	0.9	6.2	53.2				
SI	80.0	97.3	34.3	99.9		0.1	12.7	11.9	5.8	4.6	19.8	6.4	51.4				
SK	66.5	94.6	27.9	65.5	17.0	17.5	28.4	43.9	2.1	6.9	6.9	4.5	35.8				
FI	75.9	99.7	42.0	85.2	13.2	1.6	18.4	27.5	1.1	8.7	33.2	2.8	26.7				
SE	73.4	98.1	22.8	72.8	23.1	4.1	19.2	16.3	1.2	15.1	10.5	5.6	51.3				
UK	82.3	97.5	34.1	81.4	8.9	9.7	12.9	26.0	1.6	8.6	3.6	7.8	52.5				
MK																	
TR																	
IS	43.4	91.7	0.1	100.0			1.2	3.7	43.5			51.9	1.0				
NO																	
CH																	

**Note:** (\*) Excluding LULUCF (Land Use, Land – Use Change and Forestry) emissions and international maritime, including international aviation and indirect CO<sub>2</sub>.

## GHG Emissions (\*) by Sector – 2014

### SHARES %

TRANSPORT (**)	OTHER SECTORS				OTHER (NOT ELSE-WHERE SPECIFIED)	FUGITIVE EMISSIONS FROM FUELS	INDUSTRIAL PROCESSES & PRODUCT USE	AGRICULTURE	WASTE	OTHER	INDIRECT CO <sub>2</sub>	TOTAL EMISSIONS	
	Commercial / Institutional	Residential	Agriculture / Forestry / Fisheries										
30.4	17.9	24.2	62.7	13.1	0.2	2.5	8.4	9.8	3.3	0.0	0.1	100	EU-28
34.2	26.3	21.9	69.8	8.3	0.0	0.7	16.8	8.4	1.5			100	BE
21.2	4.2	14.2	57.0	28.8	0.0	2.4	8.2	8.8	7.4			100	BG
19.6	11.3	24.6	63.3	12.1	0.4	4.1	12.1	6.5	4.0		1.8	100	CZ
37.9	10.9	17.9	38.1	44.0	0.6	1.0	3.8	19.6	2.5		0.8	100	DK
23.9	15.9	26.4	68.9	4.6	0.1	1.3	6.6	7.1	1.2	0.0		100	DE
12.7	3.9	8.1	45.2	46.6	0.2	0.1	3.3	6.2	1.6			100	EE
36.5	21.8	21.8	70.7	7.5		0.1	4.9	31.0	2.5		0.1	100	IE
26.6	6.5	11.2	78.3	10.4		1.5	11.9	8.4	4.9			100	EL
37.9	15.0	23.5	44.3	32.2		2.0	11.0	10.9	4.6			100	ES
44.4	25.7	28.2	56.9	14.9		1.2	8.4	16.6	4.1		0.2	100	FR
37.4	18.2	16.2	61.7	22.0		11.1	11.9	9.3	6.0			100	HR
33.5	21.7	28.2	61.6	10.2	0.2	2.4	7.1	7.1	4.2			100	IT
38.6	6.7	17.4	67.6	14.9	0.5		14.9	6.3	5.5			100	CY
46.0	19.9	33.7	39.3	27.0	0.1	1.9	6.5	23.4	7.2		0.2	100	LV
48.8	11.6	26.2	65.7	8.1	0.3	2.6	15.9	20.2	5.9			100	LT
69.2	13.7	27.1	68.8	4.0		0.4	5.4	5.6	0.4			100	LU
29.2	27.1	26.5	59.6	13.8		2.1	10.6	11.3	7.4			100	HU
34.7	7.4	56.8	35.3	7.9			7.2	2.7	4.7			100	MT
25.5	20.0	22.1	48.6	29.3	0.1	1.4	5.6	9.3	1.8		0.1	100	NL
45.7	16.0	23.8	65.6	10.6	0.1	0.9	20.5	9.0	2.3			100	AT
15.7	19.1	14.1	66.5	19.4		6.1	7.8	7.9	2.8			100	PL
41.2	9.8	26.0	48.9	25.2	0.2	3.3	9.1	10.7	10.6		0.2	100	PT
24.8	15.4	20.5	70.0	9.5	0.6	14.8	9.8	15.3	5.2			100	RO
42.1	10.9	24.7	58.0	17.3	0.0	2.7	6.8	10.2	3.0			100	SI
25.8	17.6	34.8	63.0	2.2	0.2	5.4	21.9	7.7	3.9			100	SK
28.1	9.0	25.0	41.4	33.6	2.5	0.3	9.8	10.6	3.6		0.1	100	FI
49.6	8.1	21.3	32.2	46.6	0.4	1.9	11.3	12.6	2.7			100	SE
33.2	19.4	23.2	71.5	5.4	0.5	2.5	6.3	8.0	3.4			100	UK
													MK
													TR
69.2	29.5	0.3	2.7	97.0		8.3	37.1	14.5	4.9			100	IS
													NO
													CH

**Notes:** (\*) Excluding LULUCF (Land Use, Land – Use Change and Forestry) emissions and international maritime, including international aviation and indirect CO<sub>2</sub>.  
(\*\*) Excluding international maritime (international traffic departing from the EU), including international aviation.

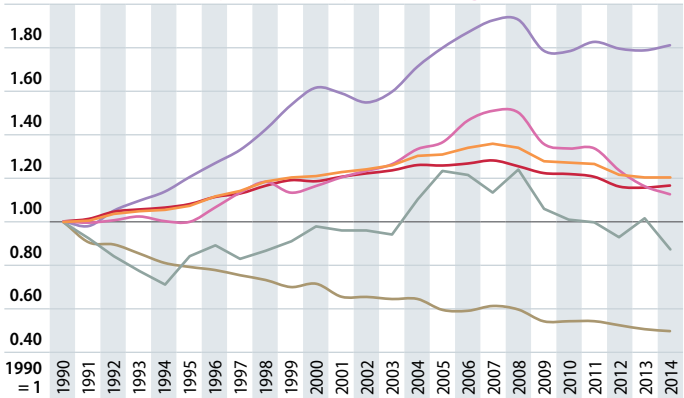
## 3.2.5

## GHG Emissions from Transport – EU-28 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	84.1	14.5	69.6	724.8	13.7	134.0	24.7	109.3	6.9	963.4	5 844.4
1995	101.4	15.3	86.0	783.1	10.9	133.7	23.2	110.6	5.8	1 034.9	5 509.8
2000	136.0	20.1	115.9	859.9	9.8	155.9	21.6	134.4	6.7	1 168.3	5 418.2
2001	133.7	19.6	114.2	874.7	9.0	161.2	22.0	139.3	6.6	1 185.3	5 469.9
2002	130.2	18.8	111.4	886.3	9.0	165.3	21.7	143.6	6.6	1 197.4	5 429.0
2003	134.4	18.4	116.0	896.4	8.8	169.4	22.2	147.1	6.5	1 215.4	5 523.8
2004	144.0	19.2	124.8	914.2	8.8	178.7	22.4	156.2	7.6	1 253.3	5 536.5
2005	151.4	19.7	131.7	912.7	8.1	182.9	22.2	160.8	8.5	1 263.7	5 507.8
2006	157.3	19.7	137.6	919.5	8.1	196.4	22.4	173.9	8.4	1 289.6	5 516.0
2007	162.0	19.9	142.1	929.7	8.4	202.4	21.6	180.9	7.8	1 310.4	5 468.5
2008	162.3	19.4	142.9	910.1	8.2	201.3	20.8	180.5	8.5	1 290.3	5 358.9
2009	150.3	18.1	132.2	887.3	7.4	182.0	20.7	161.3	7.3	1 234.3	4 966.5
2010	150.0	17.9	132.1	884.1	7.4	179.1	20.6	158.5	6.9	1 227.5	5 072.9
2011	153.7	17.8	135.9	874.8	7.4	179.2	18.7	160.5	6.9	1 221.9	4 919.8
2012	151.1	16.7	134.4	841.8	7.2	165.4	17.8	147.7	6.4	1 171.8	4 839.0
2013	150.4	15.4	135.0	838.5	6.9	155.7	16.2	139.5	7.0	1 158.5	4 741.6
2014	152.4	15.3	137.1	845.3	6.8	150.7	15.7	135.1	6.0	1 161.3	4 554.3

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



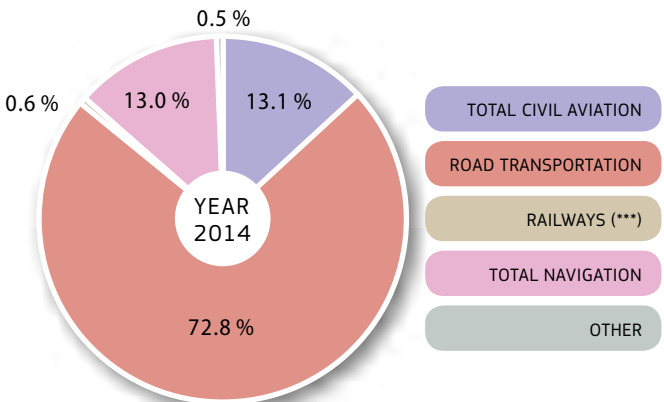
- Notes:** (\*) Excluding International Bunkers (international traffic departing from the EU).  
 (\*\*) Including International Bunkers and Indirect CO<sub>2</sub> but excluding LULUCF.  
 (\*\*\*) Excluding indirect emissions from electricity consumption.  
 (\*\*\*\*) Combustion emissions from all remaining transport activities including pipeline transportation, ground activities in airports and harbours, and off-road activities.



## GHG Emissions from Transport – EU-28 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 (**)
1990	8.7	17.2	82.8	75.2	1.4	13.9	18.4	81.6	0.7	16.5	100
1995	9.8	15.1	84.9	75.7	1.1	12.9	17.3	82.7	0.6	18.8	100
2000	11.6	14.8	85.2	73.6	0.8	13.3	13.8	86.2	0.6	21.6	100
2001	11.3	14.6	85.4	73.8	0.8	13.6	13.6	86.4	0.6	21.7	100
2002	10.9	14.4	85.6	74.0	0.7	13.8	13.1	86.9	0.6	22.1	100
2003	11.1	13.7	86.3	73.7	0.7	13.9	13.1	86.9	0.5	22.0	100
2004	11.5	13.3	86.7	72.9	0.7	14.3	12.6	87.4	0.6	22.6	100
2005	12.0	13.0	87.0	72.2	0.6	14.5	12.1	87.9	0.7	22.9	100
2006	12.2	12.5	87.5	71.3	0.6	15.2	11.4	88.6	0.6	23.4	100
2007	12.4	12.3	87.7	71.0	0.6	15.4	10.6	89.4	0.6	24.0	100
2008	12.6	11.9	88.1	70.5	0.6	15.6	10.3	89.7	0.7	24.1	100
2009	12.2	12.1	87.9	71.9	0.6	14.7	11.4	88.6	0.6	24.9	100
2010	12.2	12.0	88.0	72.0	0.6	14.6	11.5	88.5	0.6	24.2	100
2011	12.6	11.6	88.4	71.6	0.6	14.7	10.4	89.6	0.6	24.8	100
2012	12.9	11.1	88.9	71.8	0.6	14.1	10.7	89.3	0.5	24.2	100
2013	13.0	10.2	89.8	72.4	0.6	13.4	10.4	89.6	0.6	24.4	100
2014	13.1	10.0	90.0	72.8	0.6	13.0	10.4	89.6	0.5	25.5	100



- Notes:** (\*) Excluding International Bunkers (international traffic departing from the EU).  
 (\*\*) Including International Bunkers and Indirect CO<sub>2</sub> 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 share in total emissions.

## 3.2.6

## GHG Emissions from Transport – 2014

### 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-28	152.4	15.3	137.1	845.3	6.8	150.7	15.7	135.1	6.0	1161.3	4554.3
BE	4.1	0.0	4.1	24.6	0.1	18.1	0.4	17.7	0.1	47.0	135.7
BG	0.5	0.0	0.5	8.0	0.0	0.3	0.0	0.3	0.4	9.3	58.0
CZ	0.9	0.0	0.9	16.8	0.3	0.0	0.0		0.1	18.0	126.8
DK	2.8	0.1	2.7	11.4	0.3	2.7	0.4	2.3		17.1	56.2
DE	26.8	2.2	24.6	154.8	1.0	8.6	1.9	6.7	1.2	192.4	931.5
EE	0.1	0.0	0.1	2.2	0.1	1.0	0.0	1.0		3.4	22.2
IE	2.3	0.0	2.3	10.8	0.1	0.6	0.2	0.4	0.2	14.0	60.9
EL	3.4	0.6	2.9	15.3	0.2	7.7	1.5	6.2	0.0	26.7	110.5
ES	16.4	2.7	13.8	75.7	0.2	26.0	1.0	25.0	0.3	118.6	367.7
FR	21.1	4.6	16.5	124.2	0.5	7.6	1.3	6.3	0.5	153.8	481.7
HR	0.4	0.1	0.3	5.4	0.1	0.1	0.1			6.0	24.8
IT	11.4	1.9	9.5	98.2	0.1	8.7	4.1	4.5	0.5	118.9	432.6
CY	0.8	0.0	0.8	1.8		0.7	0.0	0.7		3.3	9.9
LV	0.3	0.0	0.3	2.7	0.2	0.8	0.0	0.8		4.1	12.4
LT	0.2	0.0	0.2	4.6	0.2	0.1	0.0	0.0	0.3	5.3	19.3
LU	1.3	0.0	1.3	6.1	0.0	0.0	0.0	0.0		7.4	12.0
HU	0.5	0.0	0.5	10.9	0.2	0.0	0.0		0.1	11.7	57.7
MT	0.3	0.0	0.3	0.5		4.1	0.1	4.0		5.0	7.3
NL	11.0	0.0	10.9	29.3	0.1	43.1	1.0	42.1		83.5	240.1
AT	2.0	0.1	2.0	21.5	0.1	0.1	0.0	0.1	0.5	24.2	78.4
PL	1.9	0.1	1.8	42.9	0.3	0.5	0.0	0.5	0.9	46.4	382.5
PT	3.3	0.3	3.0	15.2	0.0	2.2	0.2	2.1		20.8	69.7
RO	0.7	0.1	0.6	15.0	0.4	0.4	0.1	0.3	0.0	16.5	110.6
SI	0.1	0.0	0.1	5.3	0.0	0.2		0.2	0.0	5.6	16.8
SK	0.1	0.0	0.1	6.2	0.1	0.0	0.0	0.0	0.2	6.6	40.8
FI	2.1	0.2	1.9	10.3	0.1	0.7	0.4	0.3	0.0	13.3	61.3
SE	2.8	0.5	2.3	16.6	0.0	6.4	0.4	5.9	0.3	26.2	62.6
UK	34.5	1.6	32.9	109.1	2.0	10.0	2.3	7.8	0.5	156.2	564.4
MK											
TR											
IS	0.6	0.0	0.6	0.8		0.3	0.0	0.2		1.7	5.4
NO											
CH											

Notes: (\*) Excluding International Bunkers (international traffic departing from the EU).  
(\*\*) Including International Bunkers and Indirect CO<sub>2</sub> but excluding LULUCF.

## GHG Emissions from Transport – 2014

### 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-28	13.1	10.0	90.0	72.8	0.6	13.0	10.4	89.6	0.5	25.5	100
BE	8.7	0.7	99.3	52.2	0.2	38.6	2.3	97.7	0.3	34.7	100
BG	5.9	5.2	94.8	86.6	0.4	2.9	3.3	96.7	4.2	16.0	100
CZ	4.9	0.8	99.2	92.9	1.7	0.1	100.0		0.5	14.2	100
DK	16.6	4.9	95.1	66.4	1.5	15.5	13.9	86.1		30.5	100
DE	13.9	8.3	91.7	80.4	0.5	4.5	21.9	78.1	0.6	20.7	100
EE	3.8	1.0	99.0	64.0	2.0	30.2	3.1	96.9		15.3	100
IE	16.1	0.4	99.6	77.3	0.9	4.6	35.0	65.0	1.1	23.0	100
EL	12.8	16.3	83.7	57.5	0.6	29.0	19.9	80.1	0.1	24.1	100
ES	13.9	16.3	83.7	63.8	0.2	21.9	3.9	96.1	0.3	32.3	100
FR	13.7	21.7	78.3	80.7	0.3	4.9	17.0	83.0	0.3	31.9	100
HR	6.6	26.8	73.2	89.8	1.2	2.3	100.0			24.3	100
IT	9.6	17.0	83.0	82.6	0.1	7.3	47.6	52.4	0.4	27.5	100
CY	23.5	0.1	99.9	54.4		22.1	0.2	99.8		33.6	100
LV	8.4	1.0	99.0	66.5	5.9	19.3	1.8	98.2		32.7	100
LT	4.5	0.8	99.2	86.1	3.6	0.9	29.1	70.9	4.8	27.7	100
LU	17.1	0.0	100.0	82.8	0.2	0.0	91.4	8.6		61.1	100
HU	4.4	0.2	99.8	93.1	1.5	0.2	100.0		0.8	20.2	100
MT	6.8	1.2	98.8	11.0		82.2	2.4	97.6		68.0	100
NL	13.1	0.4	99.6	35.1	0.1	51.7	2.4	97.6		34.8	100
AT	8.4	2.5	97.5	88.6	0.5	0.3	14.6	85.4	2.1	30.9	100
PL	4.1	7.4	92.6	92.4	0.7	1.0	3.5	96.5	1.8	12.1	100
PT	16.1	10.2	89.8	73.0	0.2	10.7	7.6	92.4		29.8	100
RO	4.2	10.5	89.5	91.2	2.3	2.2	32.0	68.0	0.1	14.9	100
SI	1.3	2.0	98.0	94.5	0.8	3.3		100.0	0.0	33.5	100
SK	1.9	3.4	96.6	93.7	1.3	0.3	23.3	76.7	2.7	16.3	100
FI	16.1	9.1	90.9	78.0	0.6	5.2	61.5	38.5	0.1	21.6	100
SE	10.8	18.6	81.4	63.5	0.2	24.3	6.4	93.6	1.2	41.8	100
UK	22.1	4.6	95.4	69.8	1.3	6.4	22.8	77.2	0.3	27.7	100
MK											
TR											
IS	36.3	6.7	93.3	48.5		15.2	8.1	91.9		30.6	100
NO											
CH											

Notes: (\*) Excluding International Bunkers (international traffic departing from the EU).  
 (\*\*) Including International Bunkers and Indirect CO<sub>2</sub> but excluding LULUCF.  
 (\*\*\*) Total transport share in total emissions.

## 3.2.7

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

### MILLION TONNES

	1990	1995	2000	2005	2010	2013	2014
<b>EU-28</b>	<b>4 469.6</b>	<b>4 210.7</b>	<b>4 170.8</b>	<b>4 295.4</b>	<b>3 939.9</b>	<b>3 650.6</b>	<b>3 467.9</b>
BE	120.0	125.5	126.3	125.1	114.2	101.7	96.3
BG	79.3	57.4	45.0	50.1	47.6	42.5	45.1
CZ	165.6	133.0	128.8	127.3	118.3	108.8	103.4
DK	54.8	62.7	55.2	52.2	49.7	42.1	37.9
DE	1 051.0	938.0	899.2	865.9	832.2	835.7	792.9
EE	36.7	18.0	15.1	16.3	17.8	19.6	18.9
IE	32.8	35.8	45.2	48.0	41.6	37.1	36.6
EL	83.4	87.0	103.0	113.2	97.0	82.9	79.6
ES	230.2	265.7	311.6	368.7	283.6	252.3	253.5
FR	400.2	400.2	415.6	425.9	390.5	365.9	336.3
HR	24.2	17.5	20.2	24.0	21.7	18.8	18.1
IT	436.2	447.2	465.2	490.9	428.9	362.1	342.8
CY	4.7	5.9	7.1	8.0	8.0	6.5	6.9
LV	19.7	9.2	7.1	7.8	8.5	7.4	7.2
LT	35.8	15.0	11.8	13.9	13.6	13.0	12.7
LU	12.0	9.2	8.8	12.2	11.3	10.3	9.8
HU	73.1	61.4	58.3	60.3	52.1	43.9	43.6
MT	1.9	2.3	2.4	2.7	2.7	2.5	2.5
NL	163.2	173.7	172.4	177.8	182.8	165.7	158.0
AT	62.3	64.2	66.3	79.6	72.5	68.0	64.3
PL	378.8	363.9	319.1	323.4	336.6	322.7	310.8
PT	45.3	54.6	65.9	69.3	52.6	47.6	47.3
RO	173.0	127.2	94.1	101.2	79.8	73.4	73.4
SI	15.1	15.3	15.5	16.9	16.4	15.1	13.5
SK	61.8	44.7	41.2	42.6	38.3	35.4	33.3
FI	57.2	58.3	57.1	57.0	63.9	51.9	47.7
SE	57.5	59.3	54.7	53.9	53.1	44.9	43.4
UK	593.9	558.6	558.5	560.8	504.7	473.0	432.0
MK							
TR							
IS	2.1	2.3	2.7	2.8	3.4	3.3	3.3
NO							
CH							

**Notes:** 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.

(\*) Excluding International Bunkers and excluding LULUCF (Land Use, Land – Use Change and Forestry) emissions, including indirect CO<sub>2</sub>.

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

### MILLION TONNES

INCLUDING INTERNATIONAL BUNKERS (\*)

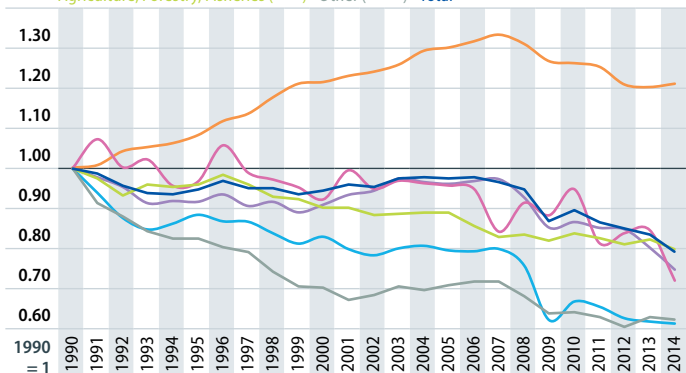
	1990	1995	2000	2005	2010	2013	2014
<b>EU-28</b>	<b>947.2</b>	<b>1 016.2</b>	<b>1 150.6</b>	<b>1 248.8</b>	<b>1 214.0</b>	<b>1 145.3</b>	<b>1 147.9</b>
BE	36.8	38.1	45.2	54.7	55.9	48.4	46.7
BG	7.5	6.2	6.0	8.6	8.7	8.1	9.2
CZ	7.6	9.6	12.2	17.7	17.6	16.8	17.4
DK	15.3	18.7	18.5	18.0	17.5	16.2	16.9
DE	180.2	195.6	205.6	189.9	184.9	189.5	190.4
EE	3.1	1.9	2.0	2.6	3.0	3.6	3.3
IE	6.1	7.6	12.9	15.7	14.1	13.4	13.9
EL	24.6	30.0	32.3	32.7	32.8	27.1	26.2
ES	75.3	86.4	114.7	139.4	130.4	114.7	117.4
FR	135.4	146.5	161.2	163.5	156.4	153.3	151.8
HR	4.4	3.6	4.6	5.8	6.2	6.0	5.9
IT	109.9	121.2	133.5	143.2	134.7	116.5	117.6
CY	2.1	2.5	3.2	3.8	3.7	3.3	3.3
LV	4.7	2.6	2.3	4.0	4.4	3.9	4.0
LT	8.1	4.4	3.7	4.9	5.1	5.0	5.2
LU	3.1	3.9	5.8	8.3	7.6	7.5	7.3
HU	9.0	7.6	9.4	12.4	12.2	10.3	11.5
MT	1.3	2.2	3.0	2.9	5.4	4.6	4.9
NL	66.1	72.3	84.6	96.0	89.6	85.1	82.7
AT	14.7	17.1	20.4	26.8	24.3	24.7	24.0
PL	22.2	24.4	29.0	36.5	49.5	45.3	45.7
PT	12.7	15.6	22.3	22.9	22.5	20.3	20.5
RO	12.8	8.9	10.0	12.7	14.5	15.5	16.2
SI	2.7	3.7	3.7	4.5	5.3	5.7	5.6
SK	6.8	5.5	5.6	7.6	7.4	6.8	6.5
FI	14.7	13.1	15.0	15.7	14.9	14.4	13.1
SE	22.7	24.3	26.3	29.5	29.0	25.7	25.8
UK	137.3	142.9	157.6	168.4	156.4	153.8	154.6
MK							
TR							
IS	0.9	1.0	1.2	1.3	1.4	1.5	1.6
NO							
CH							

**Note:** (\*) The activity data used in GHG inventories to report international maritime emissions (emissions from bunker fuels) are not fully consistent with the energy statistics on bunker fuels for some years and countries. For EU-28, changes in international maritime emissions between 2010 and 2011 show inconsistency with changes in energy statistics on bunker fuels.

## CO<sub>2</sub> Emissions (\*) by Sector – EU-28 MILLION TONNES

	TOTAL ENERGY	FUEL COMBUSTION	ENERGY INDUSTRIES				MANUFACTURING AND CONSTRUCTION						
			Public Electricity and Heat Production	Petroleum Refining	Other Energy Industries	Iron and Steel	Non-Ferrous Metals	Chemicals	Pulp, Paper and Print	Food, Beverages and Tobacco	Other		
1990	4189.5	4159.5	1649.1	1411.0	122.0	116.1	856.5	175.6	17.2	117.7	34.4	52.4	459.1
1995	3973.6	3943.5	1512.5	1282.7	128.9	100.8	743.1	158.5	18.6	111.8	38.4	60.7	355.1
2000	3966.5	3938.7	1500.9	1284.4	132.0	84.6	679.4	137.4	18.2	97.3	36.5	55.2	334.8
2001	4043.8	4017.0	1540.9	1324.8	135.0	81.1	654.9	128.7	19.0	94.1	34.1	54.6	324.5
2002	4018.6	3991.2	1557.5	1340.3	135.3	81.8	637.8	123.0	18.3	91.6	34.3	53.6	317.0
2003	4109.9	4081.7	1608.0	1392.1	134.8	81.2	648.0	124.1	17.7	94.8	35.0	53.3	323.1
2004	4116.9	4089.7	1593.4	1375.8	138.2	79.5	644.5	128.1	17.2	93.9	33.6	51.5	320.2
2005	4103.5	4075.1	1586.2	1364.7	141.6	79.8	634.6	123.8	16.2	92.6	33.8	50.4	317.6
2006	4114.6	4085.1	1597.4	1377.3	138.1	82.0	629.6	127.5	15.8	91.2	33.2	46.0	315.8
2007	4059.8	4030.5	1605.1	1386.7	138.9	79.6	630.9	133.2	15.5	88.4	32.6	45.4	315.9
2008	3985.8	3957.6	1530.0	1312.5	140.0	77.5	602.0	125.3	15.0	87.3	28.9	43.0	302.5
2009	3702.1	3675.6	1406.1	1209.4	132.4	64.4	504.3	91.7	13.7	77.3	26.4	38.8	256.4
2010	3802.8	3776.0	1429.4	1223.8	132.9	72.7	538.2	110.4	14.1	78.7	28.0	40.6	266.4
2011	3661.8	3635.5	1405.5	1204.5	130.6	70.4	524.9	109.3	13.3	77.2	26.5	39.0	259.5
2012	3612.7	3587.1	1399.5	1214.3	126.1	59.1	504.5	104.7	12.4	75.3	25.9	38.8	247.3
2013	3532.4	3505.0	1324.8	1149.9	119.1	55.9	496.3	103.8	10.2	75.1	25.4	38.4	243.4
2014	3347.6	3319.9	1234.0	1064.9	114.9	54.2	486.3	104.6	9.4	72.0	23.9	36.9	239.5

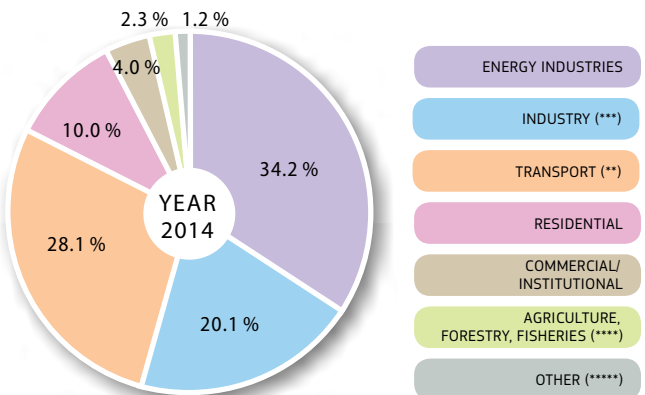
Energy Industries - Industry (\*\*\*) - Transport (\*\*) - Residential and commercial - Agriculture, Forestry, Fisheries (\*\*\*\*) - Other (\*\*\*\*\*) - Total



- Notes:** (\*) Excluding LULUCF (Land Use, Land – Use Change and Forestry) emissions and international maritime, including international aviation and indirect CO<sub>2</sub>.  
 (\*\*) Excluding international maritime (international traffic departing from the EU), including international aviation.  
 (\*\*\*) Emissions from Manufacturing and Construction, Industrial Processes and Product Use.  
 (\*\*\*\*) Emissions from Fuel Combustion and other Emissions from Agriculture.  
 (\*\*\*\*\*) Emissions from Other (Not elsewhere specified), Fugitive Emissions from Fuels, Waste, Indirect CO<sub>2</sub> and Other.

## CO<sub>2</sub> Emissions (\*) by Sector – EU-28 MILLION TONNES

TRANSPORT (**)	OTHER SECTORS				OTHER (NOT ELSE- WHERE SPECIFIED)	FUGITIVE EMISSIONS FROM FUELS	INDUSTRIAL PROCESS- ES & PRODUCT USE	AGRICULTURE	WASTE	OTHER	INDIRECT CO <sub>2</sub>	TOTAL EMISSIONS	
	Commercial / Institutional	Residential	Agriculture / Forestry / Fisheries										
839.1	792.0	200.5	501.1	90.5	22.8	30.0	321.5	13.9	5.4		8.3	4538.6	1990
907.0	767.7	182.9	495.6	89.2	13.3	30.1	299.5	11.1	4.7		7.1	4295.9	1995
1017.7	731.4	176.4	471.1	83.9	9.3	27.8	298.9	10.3	3.5		6.3	4285.6	2000
1030.5	782.2	191.7	506.4	84.0	8.5	26.8	287.3	10.1	3.5		6.1	4350.9	2001
1039.1	748.3	179.5	486.5	82.3	8.5	27.4	286.4	10.0	3.8		5.9	4324.7	2002
1053.9	762.6	180.2	499.7	82.7	9.1	28.2	296.5	10.0	4.0		5.7	4426.2	2003
1082.8	758.8	184.3	491.4	83.2	10.1	27.2	307.4	9.7	3.7		5.5	4443.2	2004
1089.6	755.1	184.3	487.3	83.5	9.6	28.4	303.8	9.2	3.8		5.5	4425.8	2005
1102.6	746.2	188.7	477.1	80.5	9.3	29.5	306.4	9.0	3.8		5.3	4439.1	2006
1116.3	668.4	166.9	424.3	77.2	9.8	29.2	311.7	9.2	3.7		5.1	4389.5	2007
1097.0	719.9	186.8	454.8	78.3	8.7	28.2	292.2	8.9	3.7		4.8	4295.5	2008
1061.0	696.2	178.7	441.2	76.2	8.1	26.5	230.0	9.2	3.5		4.5	3949.4	2009
1057.0	743.7	187.5	477.7	78.5	7.7	26.8	250.8	8.9	3.6		4.6	4070.8	2010
1049.4	648.1	168.3	402.8	76.9	7.6	26.4	249.0	9.3	3.5		4.5	3928.2	2011
1012.4	664.0	165.1	423.6	75.3	6.8	25.6	235.7	9.3	3.6		4.4	3865.6	2012
1007.2	669.9	167.3	426.8	75.8	6.8	27.4	234.3	10.0	3.5		4.3	3784.4	2013
1014.1	579.1	144.8	361.2	73.1	6.4	27.7	238.3	10.2	3.5		4.1	3603.7	2014



- Notes:** (\*) Excluding LULUCF (Land Use, Land – Use Change and Forestry) emissions and international maritime, including international aviation and indirect CO<sub>2</sub>.  
 (\*\*) Excluding international maritime (international traffic departing from the EU), including international aviation.  
 (\*\*\*) Emissions from Manufacturing and Construction, Industrial Processes and Product Use.  
 (\*\*\*\*) Emissions from Fuel Combustion and other Emissions from Agriculture.  
 (\*\*\*\*\*) Emissions from Other (Not elsewhere specified), Fugitive Emissions from Fuels, Waste, Indirect CO<sub>2</sub> and Other.

## CO<sub>2</sub> Emissions (\*) by Sector – EU-28 SHARES %

	TOTAL ENERGY	FUEL COMBUSTION	ENERGY INDUSTRIES				MANUFACTURING AND CONSTRUCTION								
			Public Electricity and Heat Production	Petroleum Refining	Other Energy Industries	Iron and Steel	Non-Ferrous Metals	Chemicals	Pulp, Paper and Print	Food, Beverages and Tobacco	Other				
1990	92.3	99.3	39.6	85.6	7.4	7.0	20.6	20.5	2.0	13.7	4.0	6.1	53.6		
1991	92.9	99.3	39.0	86.0	7.3	6.7	19.7	20.4	2.3	13.7	4.5	6.5	52.5		
1992	93.0	99.3	39.3	86.3	7.4	6.3	18.8	20.6	2.3	13.4	4.7	7.0	52.2		
1993	93.1	99.3	38.3	85.6	8.0	6.5	18.5	20.4	2.4	13.3	4.8	7.3	51.8		
1994	92.7	99.3	38.8	85.2	8.1	6.6	18.6	21.5	2.4	14.0	5.2	8.0	48.8		
1995	92.5	99.2	38.4	84.8	8.5	6.7	18.8	21.3	2.5	15.0	5.2	8.2	47.8		
1996	92.9	99.3	38.0	85.2	8.6	6.2	18.0	20.2	2.4	15.0	5.2	8.4	48.9		
1997	92.6	99.2	37.7	84.6	8.9	6.5	18.3	21.2	2.6	14.5	5.2	8.2	48.2		
1998	92.7	99.3	38.1	85.1	8.9	6.0	17.4	21.2	2.7	14.1	5.3	8.2	48.6		
1999	92.8	99.3	37.5	85.3	8.8	5.9	17.1	20.1	2.7	14.3	5.2	8.3	49.5		
2000	92.6	99.3	38.1	85.6	8.8	5.6	17.2	20.2	2.7	14.3	5.4	8.1	49.3		
2001	92.9	99.3	38.4	86.0	8.8	5.3	16.3	19.7	2.9	14.4	5.2	8.3	49.5		
2002	92.9	99.3	39.0	86.1	8.7	5.3	16.0	19.3	2.9	14.4	5.4	8.4	49.7		
2003	92.9	99.3	39.4	86.6	8.4	5.0	15.9	19.1	2.7	14.6	5.4	8.2	49.9		
2004	92.7	99.3	39.0	86.3	8.7	5.0	15.8	19.9	2.7	14.6	5.2	8.0	49.7		
2005	92.7	99.3	38.9	86.0	8.9	5.0	15.6	19.5	2.6	14.6	5.3	7.9	50.1		
2006	92.7	99.3	39.1	86.2	8.6	5.1	15.4	20.3	2.5	14.5	5.3	7.3	50.2		
2007	92.5	99.3	39.8	86.4	8.7	5.0	15.7	21.1	2.5	14.0	5.2	7.2	50.1		
2008	92.8	99.3	38.7	85.8	9.2	5.1	15.2	20.8	2.5	14.5	4.8	7.1	50.3		
2009	93.7	99.3	38.3	86.0	9.4	4.6	13.7	18.2	2.7	15.3	5.2	7.7	50.8		
2010	93.4	99.3	37.9	85.6	9.3	5.1	14.3	20.5	2.6	14.6	5.2	7.6	49.5		
2011	93.2	99.3	38.7	85.7	9.3	5.0	14.4	20.8	2.5	14.7	5.0	7.4	49.4		
2012	93.5	99.3	39.0	86.8	9.0	4.2	14.1	20.8	2.5	14.9	5.1	7.7	49.0		
2013	93.3	99.2	37.8	86.8	9.0	4.2	14.2	20.9	2.1	15.1	5.1	7.7	49.0		
2014	92.9	99.2	37.2	86.3	9.3	4.4	14.6	21.5	1.9	14.8	4.9	7.6	49.2		

**Notes:** (\*) Excluding LULUCF (Land Use, Land – Use Change and Forestry) emissions and international maritime, including international aviation and indirect CO<sub>2</sub>. 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-28 SHARES %

TRANSPORT (**)	OTHER SECTORS				OTHER (NOT ELSE-WHERE SPECIFIED)	FUGITIVE EMISSIONS FROM FUELS	INDUSTRIAL PROCESSES & PRODUCT USE	AGRICULTURE	WASTE	OTHER	INDIRECT CO <sub>2</sub>	TOTAL EMISSIONS	
	Commercial / Institutional	Residential	Agriculture / Forestry / Fisheries										
20.2	19.0	25.3	63.3	11.4	0.5	0.7	7.1	0.3	0.1		0.2	100	1990
20.4	20.4	25.0	64.4	10.7	0.5	0.7	6.6	0.3	0.1		0.2	100	1991
21.8	19.7	24.5	64.5	11.0	0.4	0.7	6.4	0.2	0.1		0.2	100	1992
22.4	20.5	23.8	65.1	11.2	0.4	0.7	6.4	0.2	0.1		0.2	100	1993
22.8	19.5	23.5	64.7	11.8	0.4	0.7	6.8	0.2	0.1		0.2	100	1994
23.0	19.5	23.8	64.6	11.6	0.3	0.8	7.0	0.3	0.1		0.2	100	1995
23.1	20.5	24.0	65.0	11.0	0.3	0.7	6.6	0.3	0.1		0.2	100	1996
24.0	19.7	23.6	65.1	11.3	0.3	0.8	6.9	0.3	0.1		0.2	100	1997
24.8	19.3	23.9	64.9	11.2	0.3	0.7	6.9	0.3	0.1		0.2	100	1998
25.9	19.3	24.4	64.3	11.4	0.3	0.7	6.7	0.2	0.1		0.1	100	1999
25.8	18.6	24.1	64.4	11.5	0.2	0.7	7.0	0.2	0.1		0.1	100	2000
25.7	19.5	24.5	64.7	10.7	0.2	0.7	6.6	0.2	0.1		0.1	100	2001
26.0	18.7	24.0	65.0	11.0	0.2	0.7	6.6	0.2	0.1		0.1	100	2002
25.8	18.7	23.6	65.5	10.8	0.2	0.7	6.7	0.2	0.1		0.1	100	2003
26.5	18.6	24.3	64.8	11.0	0.2	0.7	6.9	0.2	0.1		0.1	100	2004
26.7	18.5	24.4	64.5	11.1	0.2	0.7	6.9	0.2	0.1		0.1	100	2005
27.0	18.3	25.3	63.9	10.8	0.2	0.7	6.9	0.2	0.1		0.1	100	2006
27.7	16.6	25.0	63.5	11.6	0.2	0.7	7.1	0.2	0.1		0.1	100	2007
27.7	18.2	26.0	63.2	10.9	0.2	0.7	6.8	0.2	0.1		0.1	100	2008
28.9	18.9	25.7	63.4	11.0	0.2	0.7	5.8	0.2	0.1		0.1	100	2009
28.0	19.7	25.2	64.2	10.6	0.2	0.7	6.2	0.2	0.1		0.1	100	2010
28.9	17.8	26.0	62.2	11.9	0.2	0.7	6.3	0.2	0.1		0.1	100	2011
28.2	18.5	24.9	63.8	11.3	0.2	0.7	6.1	0.2	0.1		0.1	100	2012
28.7	19.1	25.0	63.7	11.3	0.2	0.8	6.2	0.3	0.1		0.1	100	2013
30.5	17.4	25.0	62.4	12.6	0.2	0.8	6.6	0.3	0.1		0.1	100	2014

**Notes:** (\*) Excluding LULUCF (Land Use, Land – Use Change and Forestry) emissions and international maritime, including international aviation and indirect CO<sub>2</sub>.  
(\*\*) Excluding international maritime (international traffic departing from the EU), including international aviation.

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 – 2014

### MILLION TONNES

	TOTAL ENERGY	FUEL COMBUSTION	ENERGY INDUSTRIES				MANUFACTURING AND CONSTRUCTION						
			Public Electricity and Heat Production	Petroleum Refining	Other Energy Industries	Iron and Steel	Non-Ferrous Metals	Chemicals	Pulp, Paper and Print	Food, Beverages and Tobacco	Other		
EU-28	3347.6	3319.9	1234.0	1064.9	114.9	54.2	486.3	104.6	9.4	72.0	23.9	36.9	239.5
BE	84.7	84.6	20.3	15.4	4.7	0.2	13.1	1.1	0.4	3.1	0.6	2.2	5.7
BG	42.0	42.0	28.9	28.0	0.9	0.0	2.7	0.1	0.3	0.2	0.1	0.3	1.7
CZ	90.5	90.3	52.9	46.5	0.8	5.6	10.0	2.1	0.1	1.6	0.4	1.0	4.7
DK	38.7	38.5	15.4	13.1	0.9	1.4	4.2	0.1	0.0	0.3	0.1	1.2	2.4
DE	769.5	766.9	341.2	313.3	17.6	10.2	118.7	33.8	0.1		0.0	0.2	84.6
EE	18.5	18.5	14.9	14.3		0.6	0.7		0.0	0.0	0.0	0.0	0.7
IE	36.7	36.7	11.0	10.6	0.3	0.1	4.3		1.4	0.3	0.0	0.8	1.8
EL	76.1	76.1	45.8	40.4	5.3	0.0	5.4	0.1	0.6	0.4	0.1	0.6	3.5
ES	247.1	243.1	74.9	61.7	11.8	1.5	39.7	4.9	1.4	7.8	3.9	2.9	18.8
FR	329.7	326.6	39.1	27.9	7.9	3.3	59.5	15.1	0.8	17.0	2.7	7.0	16.9
HR	16.3	15.6	4.6	3.1	1.3	0.2	2.5	0.1	0.0	0.3	0.1	0.4	1.6
IT	335.9	333.4	99.2	71.4	21.0	6.8	50.8	11.0	1.1	8.4	4.1	3.5	22.7
CY	6.7	6.7	2.9	2.9			0.7		0.0	0.0	0.0	0.1	0.6
LV	6.9	6.9	1.7	1.6		0.1	0.7	0.0	0.0	0.0	0.0	0.1	0.5
LT	10.5	10.5	3.1	1.8	1.3	0.0	1.1			0.2	0.0	0.2	0.7
LU	10.5	10.5	0.7	0.7			1.1	0.3	0.0	0.1	0.0	0.0	0.6
HU	39.3	39.2	13.1	11.3	1.4	0.4	4.2	0.2	0.2	0.4	0.2	0.7	2.5
MT	2.8	2.8	1.6	1.6			0.0						0.0
NL	161.7	160.0	63.7	51.3	9.7	2.7	24.1	3.6	0.1	12.0	1.0	3.5	4.0
AT	52.3	52.1	9.6	6.6	2.7	0.2	10.4	1.7	0.3	1.9	1.4	0.9	4.3
PL	290.7	286.1	159.5	152.6	4.0	2.9	29.7	5.7	1.2	6.5	1.6	4.1	10.6
PT	45.9	44.5	14.4	12.3	2.1		7.6	0.1		1.2	1.0	0.8	4.5
RO	64.9	63.9	25.0	21.7	1.6	1.7	13.7	2.5		2.9	0.1	0.8	7.3
SI	12.8	12.7	4.4	4.4		0.0	1.6	0.2	0.1	0.1	0.3	0.1	0.8
SK	25.3	25.2	7.1	4.6	1.2	1.3	7.2	3.2	0.1	0.5	0.5	0.3	2.6
FI	45.3	45.3	19.1	16.2	2.5	0.3	8.3	2.3	0.1	0.7	2.7	0.2	2.2
SE	40.2	39.5	8.8	6.3	2.1	0.4	7.6	1.3	0.1	1.2	0.7	0.4	3.9
UK	446.1	441.7	151.0	123.1	13.5	14.5	56.6	14.9	0.9	4.9	2.1	4.5	29.3
MK													
TR													
IS	2.2	2.0	0.0	0.0			0.0	0.0	0.0			0.0	0.0
NO													
CH													

Note: (\*) Excluding LULUCF (Land Use, Land – Use Change and Forestry) emissions and international maritime, including international aviation and indirect CO<sub>2</sub>.

## CO<sub>2</sub> Emissions (\*) by Sector – 2014 MILLION TONNES

TRANSPORT (**)	OTHER SECTORS					OTHER (NOT ELSE-WHERE SPECIFIED)	FUGITIVE EMISSIONS FROM FUELS	INDUSTRIAL PROCESS-ES & PRODUCT USE				AGRICULTURE	WASTE	OTHER	INDIRECT CO <sub>2</sub>	TOTAL EMISSIONS	
1014.1	579.1	144.8	361.2	73.1	6.4	27.7	238.3	10.2	3.5				4.1	3603.7	EU-28		
29.0	22.1	4.9	15.5	1.7	0.0	0.1	15.3	0.1	0.2					100.4	BE		
8.9	1.4	0.2	0.7	0.5	0.0	0.0	3.6	0.0	0.0					45.6	BG		
17.4	9.7	2.5	6.0	1.2	0.3	0.2	11.2	0.2	0.1				2.2	104.3	CZ		
14.7	4.0	0.7	1.5	1.8	0.2	0.3	1.2	0.2	0.0				0.4	40.6	DK		
183.8	122.2	32.6	84.3	5.3	1.0	2.6	44.8	2.9						817.2	DE		
2.4	0.6	0.1	0.2	0.3	0.0	0.0	0.5	0.0	0.0					19.0	EE		
13.4	7.9	1.8	5.6	0.6			1.7	0.4	0.0				0.1	38.9	IE		
20.1	4.8	0.6	3.8	0.5		0.0	6.3	0.0	0.0					82.5	EL		
92.6	35.9	8.6	15.4	11.8		4.0	19.4	0.6						267.1	ES		
145.6	82.4	24.0	46.9	11.6		3.0	18.3	1.9	1.7				0.9	352.6	FR		
5.9	2.5	0.5	1.4	0.6		0.8	2.0	0.1	0.0					18.4	HR		
113.1	69.7	20.5	42.4	6.8	0.6	2.5	15.7	0.4	0.2					352.2	IT		
2.5	0.4	0.1	0.3	0.1	0.0		1.0	0.0						7.7	CY		
3.2	1.3	0.4	0.4	0.4	0.0	0.0	0.6	0.0	0.0				0.0	7.5	LV		
5.2	1.1	0.3	0.6	0.1	0.0	0.0	2.4	0.0	0.0					13.0	LT		
7.3	1.4	0.4	1.0	0.1		0.0	0.5	0.0						11.1	LU		
11.5	10.4	2.8	6.2	1.4		0.1	4.4	0.1	0.2					44.1	HU		
1.0	0.2	0.1	0.1	0.0			0.0		0.0					2.8	MT		
41.0	30.9	7.1	15.3	8.6	0.2	1.7	6.9	0.1					0.2	168.8	NL		
24.0	8.1	2.0	5.3	0.8	0.0	0.2	13.8	0.1	0.0					66.2	AT		
45.3	51.6	7.8	34.1	9.7		4.5	20.5	0.9	0.5					312.5	PL		
18.5	4.0	1.1	1.9	1.0	0.1	1.4	4.2	0.1	0.0				0.1	50.3	PT		
16.0	8.9	2.1	5.9	1.0	0.4	1.0	9.0	0.1	0.0					74.0	RO		
5.4	1.2	0.3	0.7	0.2	0.0	0.1	0.8	0.0	0.0					13.6	SI		
6.5	4.3	1.6	2.7	0.1	0.1	0.0	8.1	0.1	0.0					33.5	SK		
12.9	3.8	1.0	1.4	1.4	1.1	0.1	3.9	0.2					0.1	49.6	FI		
20.0	2.9	0.7	0.7	1.5	0.2	0.7	5.3	0.1	0.1					45.7	SE		
146.9	85.2	20.0	61.0	4.1	2.0	4.3	16.9	1.4	0.3					464.6	UK		
															MK		
															TR		
1.4	0.6	0.0	0.0	0.6		0.2	1.6	0.0	0.0					3.8	IS		
															NO		
															CH		

**Notes:** (\*) Excluding LULUCF (Land Use, Land – Use Change and Forestry) emissions and international maritime, including international aviation and indirect CO<sub>2</sub>.  
(\*\*) Excluding international maritime (international traffic departing from the EU), including international aviation.

## CO<sub>2</sub> Emissions (\*) by Sector – 2014

### SHARES %

	TOTAL ENERGY	FUEL COMBUSTION	ENERGY INDUSTRIES				MANUFACTURING AND CONSTRUCTION						
			Public Electricity and Heat Production	Petroleum Refining	Other Energy Industries	Iron and Steel	Non-Ferrous Metals	Chemicals	Pulp, Paper and Print	Food, Beverages and Tobacco	Other		
EU-28	92.9	99.2	37.2	86.3	9.3	4.4	14.6	21.5	1.9	14.8	4.9	7.6	49.2
BE	84.4	99.9	24.0	75.8	23.3	0.9	15.5	8.3	3.0	23.7	4.6	16.8	43.7
BG	92.1	100.0	68.9	96.8	3.2	0.0	6.5	4.3	12.4	8.0	4.1	9.3	61.8
CZ	86.8	99.8	58.6	87.9	1.5	10.6	11.0	21.4	1.0	15.9	4.1	10.0	47.5
DK	95.3	99.4	39.9	85.1	6.0	8.9	10.9	2.0	0.0	8.0	3.4	28.2	58.4
DE	94.2	99.7	44.5	91.8	5.2	3.0	15.5	28.5	0.1		0.0	0.1	71.3
EE	97.4	100.0	80.3	96.1		3.9	3.7		0.3	2.2	0.5	0.7	96.3
IE	94.3	100.0	30.1	96.6	2.5	0.9	11.7		33.5	5.9	0.3	18.5	41.8
EL	92.3	100.0	60.1	88.3	11.6	0.1	7.1	2.7	11.5	6.6	2.5	12.0	64.7
ES	92.5	98.4	30.8	82.3	15.7	2.0	16.3	12.4	3.5	19.7	9.7	7.3	47.4
FR	93.5	99.1	12.0	71.3	20.3	8.4	18.2	25.5	1.3	28.6	4.5	11.8	28.4
HR	88.6	95.4	29.2	67.5	29.0	3.5	16.3	2.0	0.7	12.3	5.4	16.2	63.5
IT	95.4	99.3	29.8	71.9	21.2	6.9	15.2	21.7	2.1	16.5	8.2	6.8	44.6
CY	87.0	100.0	44.2	100.0			10.5		0.4	0.9	0.4	8.4	89.8
LV	91.1	100.0	24.5	96.0		4.0	10.0	0.1	0.6	4.1	0.8	18.2	76.1
LT	81.1	100.0	29.6	57.5	41.9	0.5	10.4			15.3	2.4	22.6	59.7
LU	95.0	100.0	6.8	100.0			10.3	25.1	4.6	13.1	1.0	1.1	55.2
HU	89.2	99.7	33.4	86.6	10.6	2.8	10.7	4.4	4.1	10.3	4.7	17.0	59.5
MT	99.9	100.0	56.9	100.0			1.2						100.0
NL	95.8	99.0	39.8	80.5	15.2	4.2	15.1	14.9	0.5	49.6	4.2	14.4	16.4
AT	79.0	99.6	18.3	69.0	28.4	2.6	20.0	16.5	2.6	18.1	13.1	8.8	41.0
PL	93.0	98.4	55.8	95.7	2.5	1.8	10.4	19.1	3.9	22.0	5.4	13.9	35.7
PT	91.2	97.0	32.3	85.2	14.8		17.0	1.9		15.3	13.2	10.3	59.2
RO	87.7	98.5	39.0	86.9	6.4	6.6	21.4	18.6		21.3	0.9	6.2	53.1
SI	94.2	99.1	34.9	99.9		0.1	12.8	12.1	5.9	4.6	19.9	6.5	51.0
SK	75.5	99.9	28.1	65.3	17.1	17.6	28.7	44.1	2.0	6.9	6.6	4.5	35.8
FI	91.4	99.8	42.2	85.1	13.3	1.6	18.4	27.9	1.1	8.7	32.6	2.8	26.8
SE	88.1	98.2	22.4	71.4	24.3	4.3	19.3	16.6	1.2	15.4	9.3	5.7	51.6
UK	96.0	99.0	34.2	81.5	8.9	9.6	12.8	26.4	1.6	8.7	3.7	7.9	51.7
MK													
TR													
IS	56.8	91.6	0.1	100.0			1.3	3.7	43.5			51.9	1.0
NO													
CH													

Note: (\*) Excluding LULUCF (Land Use, Land – Use Change and Forestry) emissions and international maritime, including international aviation and indirect CO<sub>2</sub>.

## CO<sub>2</sub> Emissions (\*) by Sector – 2014 SHARES %

TRANSPORT (**)	OTHER SECTORS				OTHER (NOT ELSE-WHERE SPECIFIED)	FUGITIVE EMISSIONS FROM FUELS	INDUSTRIAL PROCESS-ES & PRODUCT USE	AGRICULTURE	WASTE	OTHER	INDIRECT CO <sub>2</sub>	TOTAL EMISSIONS	
	Commercial / Institutional	Residential	Agriculture / Forestry / Fisheries										
30.5	17.4	25.0	62.4	12.6	0.2	0.8	6.6	0.3	0.1		0.1	100	EU-28
34.3	26.1	22.1	70.1	7.8	0.0	0.1	15.2	0.1	0.2			100	BE
21.2	3.4	17.6	49.6	32.8	0.0	0.0	7.8	0.1	0.0			100	BG
19.2	10.8	26.1	61.3	12.6	0.4	0.2	10.8	0.2	0.1		2.1	100	CZ
38.1	10.5	18.4	36.5	45.1	0.6	0.6	3.0	0.6	0.1		1.0	100	DK
24.0	15.9	26.7	69.0	4.3	0.1	0.3	5.5	0.4				100	DE
12.7	3.0	10.5	34.5	55.0	0.2	0.0	2.5	0.1	0.0			100	EE
36.7	21.5	22.2	70.7	7.1			4.3	1.0	0.1		0.2	100	IE
26.4	6.3	11.7	78.6	9.7		0.0	7.6	0.0	0.0			100	EL
38.1	14.8	24.1	43.0	32.9		1.6	7.3	0.2				100	ES
44.6	25.2	29.1	56.9	14.0		0.9	5.2	0.6	0.5		0.3	100	FR
38.2	16.3	18.5	56.3	25.2		4.6	11.1	0.3	0.0			100	HR
33.9	20.9	29.4	60.8	9.8	0.2	0.7	4.4	0.1	0.1			100	IT
38.1	6.7	17.3	67.7	15.0	0.5		13.0	0.0				100	CY
47.0	18.3	34.8	35.1	30.1	0.1	0.0	8.3	0.3	0.0		0.3	100	LV
49.5	10.1	30.0	60.8	9.2	0.3	0.0	18.6	0.3	0.0			100	LT
69.2	13.7	27.4	68.8	3.8		0.0	4.9	0.1				100	LU
29.4	26.5	27.2	59.5	13.3		0.3	10.0	0.3	0.4			100	HU
34.4	7.5	56.7	35.4	7.9			0.1		0.0			100	MT
25.6	19.3	22.8	49.4	27.8	0.1	1.0	4.1	0.0			0.1	100	NL
46.0	15.6	24.7	65.2	10.0	0.1	0.4	20.9	0.2	0.0			100	AT
15.8	18.0	15.0	66.1	18.9		1.6	6.5	0.3	0.2			100	PL
41.6	9.0	28.4	46.4	25.3	0.2	3.0	8.4	0.1	0.0		0.3	100	PT
25.0	13.9	23.1	66.2	10.7	0.6	1.5	12.2	0.1	0.0			100	RO
42.6	9.7	28.4	53.6	18.0	0.0	0.9	5.6	0.1	0.1			100	SI
25.9	17.1	36.2	61.5	2.2	0.2	0.1	24.3	0.2	0.0			100	SK
28.4	8.4	26.9	37.0	36.1	2.5	0.2	8.0	0.4			0.2	100	FI
50.6	7.3	23.4	25.7	50.9	0.4	1.8	11.5	0.3	0.1			100	SE
33.3	19.3	23.5	71.7	4.8	0.5	1.0	3.6	0.3	0.1			100	UK
													MK
													TR
69.3	29.3	0.3	2.8	96.9		8.4	43.0	0.0	0.2			100	IS
													NO
													CH

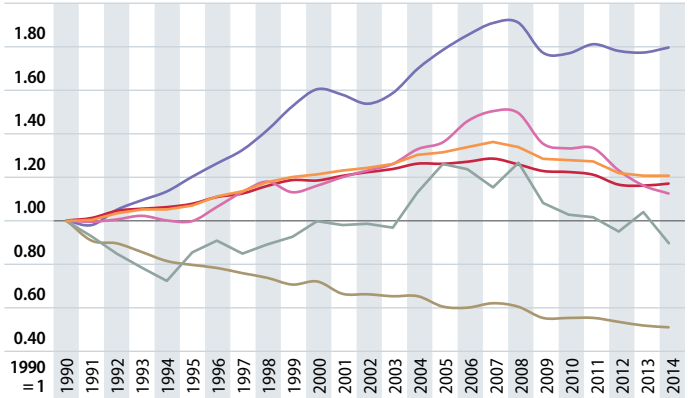
**Notes:** (\*) Excluding LULUCF (Land Use, Land – Use Change and Forestry) emissions and international maritime, including international aviation and indirect CO<sub>2</sub>.  
(\*\*) Excluding international maritime (international traffic departing from the EU), including international aviation.

## CO<sub>2</sub> Emissions from Transport – EU-28 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	83.3	14.3	69.0	711.8	13.1	132.4	24.3	108.1	6.6	947.2	4646.7
1995	100.4	15.2	85.2	767.8	10.4	132.0	22.8	109.2	5.6	1016.2	4405.2
2000	134.7	19.9	114.8	845.8	9.4	154.1	21.2	132.9	6.6	1150.6	4418.5
2001	132.5	19.4	113.1	861.4	8.6	159.4	21.6	137.8	6.5	1168.3	4488.6
2002	129.0	18.6	110.4	873.7	8.6	163.5	21.4	142.1	6.5	1181.2	4466.8
2003	133.1	18.2	114.9	884.1	8.5	167.5	21.9	145.7	6.4	1199.6	4571.8
2004	142.7	19.0	123.7	902.2	8.5	176.8	22.1	154.7	7.5	1237.5	4598.0
2005	150.0	19.5	130.5	901.7	7.8	181.0	21.8	159.2	8.4	1248.8	4585.1
2006	155.9	19.5	136.4	908.7	7.8	194.3	22.0	172.3	8.2	1274.8	4611.4
2007	160.5	19.7	140.8	918.9	8.0	200.4	21.2	179.2	7.6	1295.5	4568.7
2008	160.8	19.2	141.6	899.6	7.8	199.3	20.4	178.9	8.4	1275.9	4474.4
2009	148.9	17.9	131.0	877.5	7.1	180.1	20.4	159.8	7.1	1220.7	4109.2
2010	148.6	17.8	130.9	874.2	7.1	177.3	20.2	157.0	6.8	1214.0	4227.8
2011	152.3	17.6	134.6	864.9	7.1	177.4	18.4	159.0	6.7	1208.4	4087.2
2012	149.6	16.5	133.1	832.1	6.9	163.7	17.5	146.3	6.3	1158.6	4011.8
2013	149.0	15.2	133.8	828.7	6.7	154.1	16.0	138.1	6.9	1145.3	3922.5
2014	151.0	15.1	135.8	835.4	6.5	149.2	15.4	133.8	5.9	1147.9	3737.5

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

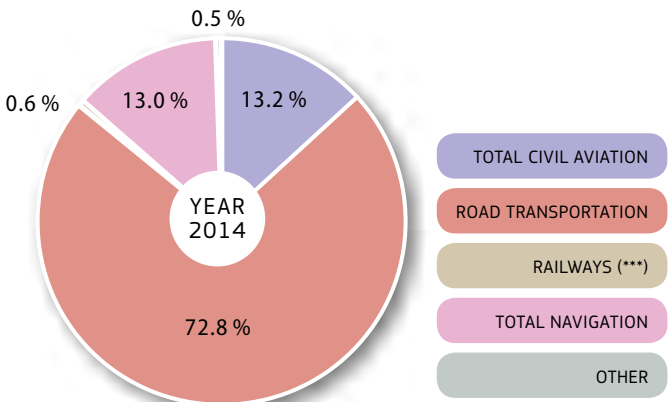


- Notes:** (\*) Excluding International Bunkers (international traffic departing from the EU).  
 (\*\*) Including International Bunkers and Indirect CO<sub>2</sub> but excluding LULUCF.  
 (\*\*\*) Excluding indirect emissions from electricity consumption.  
 (\*\*\*\*) Combustion emissions from all remaining transport activities including pipeline transportation, ground activities in airports and harbours, and off-road activities.

## CO<sub>2</sub> Emissions from Transport – EU-28 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 (**)
1990	8.8	17.2	82.8	75.1	1.4	14.0	18.3	81.7	0.7	20.4	100
1995	9.9	15.1	84.9	75.6	1.0	13.0	17.3	82.7	0.6	23.1	100
2000	11.7	14.8	85.2	73.5	0.8	13.4	13.8	86.2	0.6	26.0	100
2001	11.3	14.6	85.4	73.7	0.7	13.6	13.5	86.5	0.6	26.0	100
2002	10.9	14.4	85.6	74.0	0.7	13.8	13.1	86.9	0.5	26.4	100
2003	11.1	13.7	86.3	73.7	0.7	14.0	13.1	86.9	0.5	26.2	100
2004	11.5	13.3	86.7	72.9	0.7	14.3	12.5	87.5	0.6	26.9	100
2005	12.0	13.0	87.0	72.2	0.6	14.5	12.0	88.0	0.7	27.2	100
2006	12.2	12.5	87.5	71.3	0.6	15.2	11.3	88.7	0.6	27.6	100
2007	12.4	12.3	87.7	70.9	0.6	15.5	10.6	89.4	0.6	28.4	100
2008	12.6	11.9	88.1	70.5	0.6	15.6	10.3	89.7	0.7	28.5	100
2009	12.2	12.0	88.0	71.9	0.6	14.8	11.3	88.7	0.6	29.7	100
2010	12.2	11.9	88.1	72.0	0.6	14.6	11.4	88.6	0.6	28.7	100
2011	12.6	11.6	88.4	71.6	0.6	14.7	10.4	89.6	0.6	29.6	100
2012	12.9	11.0	89.0	71.8	0.6	14.1	10.7	89.3	0.5	28.9	100
2013	13.0	10.2	89.8	72.4	0.6	13.5	10.4	89.6	0.6	29.2	100
2014	13.2	10.0	90.0	72.8	0.6	13.0	10.3	89.7	0.5	30.7	100



**Notes:** (\*) Excluding International Bunkers (international traffic departing from the EU).  
 (\*\*) Including International Bunkers and Indirect CO<sub>2</sub> 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 share in total emissions.

## CO<sub>2</sub> Emissions from Transport – 2014

### 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-28	151.0	15.1	135.8	835.4	6.5	149.2	15.4	133.8	5.9	1147.9	3737.5
BE	4.1	0.0	4.1	24.3	0.1	18.1	0.4	17.7	0.1	46.7	118.1
BG	0.5	0.0	0.5	7.9	0.0	0.3	0.0	0.3	0.4	9.2	45.8
CZ	0.9	0.0	0.9	16.1	0.3	0.0	0.0		0.1	17.4	104.3
DK	2.8	0.1	2.7	11.2	0.3	2.6	0.4	2.2		16.9	42.9
DE	26.5	2.2	24.3	153.2	1.0	8.5	1.9	6.6	1.2	190.4	823.8
EE	0.1	0.0	0.1	2.1	0.1	1.0	0.0	1.0		3.3	20.0
IE	2.2	0.0	2.2	10.7	0.1	0.6	0.2	0.4	0.1	13.9	39.3
EL	3.4	0.6	2.8	15.1	0.1	7.5	1.5	6.0	0.0	26.2	88.5
ES	16.3	2.6	13.6	74.8	0.2	25.8	1.0	24.8	0.3	117.4	291.9
FR	20.9	4.5	16.3	122.6	0.5	7.5	1.3	6.3	0.5	151.8	358.9
HR	0.4	0.1	0.3	5.3	0.1	0.1	0.1			5.9	18.4
IT	11.3	1.9	9.4	97.1	0.1	8.6	4.1	4.5	0.5	117.6	356.7
CY	0.8	0.0	0.8	1.8		0.7	0.0	0.7		3.3	8.4
LV	0.3	0.0	0.3	2.7	0.2	0.7	0.0	0.7		4.0	8.3
LT	0.2	0.0	0.2	4.5	0.2	0.0	0.0	0.0	0.2	5.2	13.0
LU	1.2	0.0	1.2	6.0	0.0	0.0	0.0	0.0		7.3	11.1
HU	0.5	0.0	0.5	10.7	0.2	0.0	0.0		0.1	11.5	44.1
MT	0.3	0.0	0.3	0.5		4.1	0.1	4.0		4.9	6.8
NL	10.9	0.0	10.8	29.0	0.1	42.7	1.0	41.7		82.7	210.5
AT	2.0	0.0	2.0	21.3	0.1	0.1	0.0	0.1	0.5	24.0	66.3
PL	1.9	0.1	1.7	42.2	0.3	0.5	0.0	0.5	0.8	45.7	313.0
PT	3.3	0.3	3.0	15.0	0.0	2.2	0.2	2.0		20.5	52.3
RO	0.7	0.1	0.6	14.8	0.3	0.4	0.1	0.2	0.0	16.2	74.2
SI	0.1	0.0	0.1	5.3	0.0	0.2		0.2	0.0	5.6	13.7
SK	0.1	0.0	0.1	6.1	0.1	0.0	0.0	0.0	0.2	6.5	33.5
FI	2.1	0.2	1.9	10.2	0.1	0.7	0.4	0.3	0.0	13.1	49.9
SE	2.8	0.5	2.3	16.4	0.0	6.3	0.4	5.9	0.3	25.8	51.5
UK	34.2	1.6	32.6	108.0	2.0	10.0	2.3	7.7	0.5	154.6	472.3
MK											
TR											
IS	0.6	0.0	0.6	0.8		0.2	0.0	0.2		1.6	4.1
NO											
CH											

Notes: (\*) Excluding International Bunkers (international traffic departing from the EU).  
(\*\*) Including International Bunkers and Indirect CO<sub>2</sub> but excluding LULUCF.



## CO<sub>2</sub> Emissions from Transport – 2014 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 (**)
<b>EU-28</b>	13.2	10.0	90.0	72.8	0.6	13.0	10.3	89.7	0.5	30.7	100
BE	8.7	0.7	99.3	52.0	0.2	38.8	2.3	97.7	0.3	39.6	100
BG	5.9	5.2	94.8	86.6	0.4	2.9	3.3	96.7	4.2	20.0	100
CZ	5.1	0.8	99.2	92.8	1.6	0.1	100.0		0.5	16.7	100
DK	16.7	4.9	95.1	66.4	1.5	15.4	14.0	86.0		39.5	100
DE	13.9	8.3	91.7	80.4	0.5	4.5	22.0	78.0	0.6	23.1	100
EE	3.8	1.0	99.0	64.1	1.8	30.3	3.1	96.9		16.7	100
IE	16.2	0.4	99.6	77.4	0.8	4.6	35.0	65.0	1.1	35.3	100
EL	12.9	16.3	83.7	57.9	0.5	28.7	19.4	80.6	0.0	29.6	100
ES	13.9	16.2	83.8	63.7	0.2	21.9	3.9	96.1	0.3	40.2	100
FR	13.7	21.7	78.3	80.7	0.3	4.9	16.7	83.3	0.3	42.3	100
HR	6.7	26.7	73.3	89.9	1.1	2.3	100.0			32.2	100
IT	9.6	17.0	83.0	82.6	0.0	7.3	47.5	52.5	0.4	33.0	100
CY	23.8	0.1	99.9	53.8		22.5	0.2	99.8		39.0	100
LV	8.5	1.0	99.0	67.2	5.4	18.9	1.7	98.3		47.9	100
LT	4.5	0.8	99.2	86.7	3.3	1.0	29.1	70.9	4.5	40.3	100
LU	17.1	0.0	100.0	82.8	0.1	0.0	91.3	8.7		65.8	100
HU	4.5	0.2	99.8	93.2	1.4	0.2	100.0		0.8	26.1	100
MT	6.8	1.2	98.8	10.8		82.4	2.4	97.6		72.8	100
NL	13.1	0.4	99.6	35.1	0.1	51.7	2.4	97.6		39.3	100
AT	8.4	2.5	97.5	88.7	0.5	0.3	15.1	84.9	2.1	36.2	100
PL	4.1	7.4	92.6	92.3	0.7	1.0	3.2	96.8	1.9	14.6	100
PT	16.1	10.2	89.8	73.0	0.2	10.7	7.6	92.4		39.3	100
RO	4.3	10.5	89.5	91.3	2.1	2.2	32.0	68.0	0.1	21.9	100
SI	1.3	2.0	98.0	94.6	0.7	3.3		100.0	0.0	40.6	100
SK	1.9	3.3	96.7	93.9	1.2	0.3	23.5	76.5	2.7	19.6	100
FI	16.1	9.1	90.9	78.0	0.6	5.1	61.3	38.7	0.1	26.3	100
SE	10.8	18.5	81.5	63.6	0.2	24.2	6.4	93.6	1.2	50.2	100
UK	22.1	4.6	95.4	69.8	1.3	6.4	22.7	77.3	0.3	32.7	100
MK											
TR											
IS	36.9	6.7	93.3	47.6		15.5	8.1	91.9		39.6	100
NO											
CH											

Notes: (\*) Excluding International Bunkers (international traffic departing from the EU).  
 (\*\*) Including International Bunkers and Indirect CO<sub>2</sub> but excluding LULUCF.  
 (\*\*\*) Total transport share in total emissions.

## 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
2015		6	2	7 000
2014		4	1	4 000
2013		5	3	7 000
2012		7	0	1 000
2011		4	1	2 000
2010		5	4	12 000
2009		7	2	3 000
2008		7	1	2 000
2007		12	3	15 000
2006		12	4	12 000
2005		22	3	15 000
2000		21	4	14 000
1990–1999	average	28.1	7.7	113 300
1980–1989	per	36.0	9.4	117 400
1970–1979	year	54.3	24.5	319 200

### 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	900 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
Khark 5	1989	off Atlantic Coast of Morocco	70 000
Nova	1985	off Kharg Island, Gulf of Iran	70 000
Katina P	1992	Off Maputo, Mozambique	67 000
Exxon Valdez	1989	Prince William Sound, Alaska	37 000
Hebei Spirit	2007	Taeon, Republic of Korea	11 000

### 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	94 000
Jakob Maersk	1975	Oporto, Portugal	88 000
Braer	1993	Shetland Islands, United Kingdom	85 000
Aegean Sea	1992	La Coruna, Spain	74 000
Sea Empress	1996	Milford Haven, United Kingdom	72 000
Prestige	2002	Cape Finistere, Spain	63 000
Erika	1999	Brittany, France	20 000









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