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Commission

STATISTICAL POCKETBOOK

2017



EU TRANSPORT

in figures

CONNECTING
EUROPE

Mobility and
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 2015; 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

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.

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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
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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
US	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

4.2

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

5.1

238.4

20.3

31.4

4.2

243.8

13.8

88.4

785.3

103.0

323.8

41.3

PART 1
SUMMARY

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General Data

1.1

	AREA	POPULATION	GDP (NOMINAL)	GDP PER HEAD IN PPS	
	1 000 km ²	million	billion EUR	EU-28 = 100	
	on 1/1/2016		2015	2014	2015
EU-28	4 470.6	510.284	14 710.6	100	100
BE	30.5	11.311	410.4	120	118
BG	111.0	7.154	45.3	46	47
CZ	78.9	10.554	167.0	86	87
DK	43.1	5.707	271.8	127	127
DE	357.1	82.176	3 032.8	125	124
EE	45.2	1.316	20.3	76	75
IE	70.3	4.725	255.8	137	177
EL	132.0	10.784	175.7	70	68
ES	506.0	46.446	1 075.6	89	90
FR	633.1	66.760	2 181.1	107	106
HR	56.6	4.191	43.8	58	58
IT	301.3	60.666	1 645.4	96	96
CY	9.3	0.848	17.6	81	81
LV	64.6	1.969	24.4	63	64
LT	65.3	2.889	37.3	75	75
LU	2.6	0.576	51.2	266	263
HU	93.0	9.830	109.7	68	68
MT	0.3	0.434	9.3	89	92
NL	41.5	16.979	676.5	130	128
AT	83.9	8.690	339.9	129	128
PL	312.7	37.967	429.8	67	69
PT	92.1	10.341	179.5	76	77
RO	238.4	19.760	160.0	55	57
SI	20.3	2.064	38.6	83	83
SK	49.0	5.426	78.7	77	77
FI	338.4	5.487	209.5	111	109
SE	450.3	9.851	447.0	124	124
UK	243.8	65.383	2 580.1	108	108
AL	28.7	2.886	10.3	30	30
ME	13.8	0.622	3.6	41	42
MK	25.7	2.071	9.1	36	36
RS	88.4	7.076	33.5	37	36
TR	785.3	78.741	772.6	61	62
IS	103.0	0.333	15.1	120	124
NO	323.8	5.166	348.3	175	160
CH	41.3	8.238	604.5	163	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 based on ESA2010 methodology.

1.2 Growth in GDP & Industrial Production COMPARED TO THE PREVIOUS YEAR

	GROWTH IN GDP Real growth				GROWTH IN INDUSTRIAL PRODUCTION (excluding construction)			
	% CHANGE				% CHANGE			
	2012	2013	2014	2015	2012	2013	2014	2015
EU-28	-0.5	0.2	1.6	2.2	-2.1	-0.5	1.2	2.3
BE	0.1	-0.1	1.7	1.5	-2.1	1.0	1.0	-0.1
BG	0.0	0.9	1.3	3.6	-0.4	-0.2	1.8	2.9
CZ	-0.8	-0.5	2.7	4.5	-0.9	0.2	5.0	4.8
DK	0.2	0.9	1.7	1.6	0.2	0.4	0.8	1.3
DE	0.5	0.5	1.6	1.7	-0.4	0.2	1.3	0.8
EE	4.3	1.4	2.8	1.4	1.5	4.2	4.3	0.2
IE	-1.1	1.1	8.5	26.3	-1.5	-2.2	21.0	37.0
EL	-7.3	-3.2	0.4	-0.2	-2.1	-3.3	-2.0	1.0
ES	-2.9	-1.7	1.4	3.2	-6.9	-1.7	1.3	3.4
FR	0.2	0.6	0.6	1.3	-2.2	-0.6	-0.8	1.5
HR	-2.2	-1.1	-0.5	1.6	-5.5	-1.7	1.2	2.6
IT	-2.8	-1.7	0.1	0.8	-6.3	-3.1	-0.7	1.1
CY	-3.2	-6.0	-1.5	1.7	-9.6	-13.5	-0.7	3.5
LV	4.0	2.6	2.1	2.7	6.3	-0.7	-0.9	3.5
LT	3.8	3.5	3.5	1.8	3.8	3.1	0.4	4.5
LU	0.0	4.2	4.7	3.5	-5.2	-3.1	4.5	1.0
HU	-1.6	2.1	4.0	3.1	-1.3	1.4	7.2	7.1
MT	2.7	4.6	8.4	7.4	5.4	-5.3	-5.7	6.4
NL	-1.1	-0.2	1.4	2.0	-0.5	0.5	-2.9	-3.3
AT	0.7	0.1	0.6	1.0	0.2	0.5	1.0	2.1
PL	1.6	1.4	3.3	3.9	1.1	2.6	3.2	4.5
PT	-4.0	-1.1	0.9	1.6	-6.2	0.5	1.8	1.7
RO	0.6	3.5	3.1	3.9	2.6	7.4	6.3	3.0
SI	-2.7	-1.1	3.1	2.3	-0.8	-0.9	1.7	5.1
SK	1.7	1.5	2.6	3.8	8.0	3.9	8.6	7.0
FI	-1.4	-0.8	-0.6	0.3	-1.5	-3.2	-1.9	-1.2
SE	-0.3	1.2	2.6	4.1	-1.2	-4.7	-1.7	3.2
UK	1.3	1.9	3.1	2.2	-3.1	-0.4	1.5	1.3
AL	1.4	1.0	1.8	2.6	6.0	13.8	3.0	1.6
ME	-2.7	3.5	1.8	3.4	-7.0	10.5	-11.4	7.9
MK	-0.5	2.9	3.6	3.8	-2.7	3.2	4.8	4.9
RS	-1.0	2.6	-1.8	0.8	-2.5	6.0	-6.6	8.4
TR	4.8	8.5	5.2	6.1	2.5	3.5	3.5	2.9
IS	1.2	4.4	1.9	4.2	4.5	-4.0	1.0	9.4
NO	2.7	1.0	1.9	1.6	2.7	-4.9	3.5	0.6
CH	1.0	1.8	2.0	0.8	1.7	0.5	2.1	-2.4

Notes: Industrial production: includes NACE Rev. 2 Sections B, C and D.

Data adjusted by working days. Data has been extracted on 08/03/17.

Growth GDP section: data calculated according to the ESA2010 methodology.

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.

Employment and Unemployment 1.3

	EMPLOYMENT RATE				UNEMPLOYMENT RATE			
	%				%			
	2012	2013	2014	2015	2012	2013	2014	2015
EU-28	64.1	64.1	64.8	65.6	10.6	11.0	10.4	9.6
BE	61.8	61.8	61.9	61.8	7.6	8.5	8.6	8.6
BG	58.8	59.5	61.0	62.9	12.4	13.0	11.5	9.2
CZ	66.5	67.7	69.0	70.2	7.0	7.0	6.2	5.1
DK	72.6	72.5	72.8	73.5	7.7	7.2	6.8	6.3
DE	73.0	73.5	73.8	74.0	5.5	5.3	5.1	4.7
EE	67.1	68.5	69.6	71.9	10.2	8.9	7.5	6.3
IE	58.8	60.5	61.7	63.3	15.0	13.3	11.5	9.6
EL	50.8	48.8	49.4	50.8	24.7	27.7	26.7	25.1
ES	55.8	54.8	56.0	57.8	24.9	26.2	24.6	22.2
FR	64.0	64.0	63.8	63.8	9.5	10.0	10.4	10.4
HR	53.5	52.5	54.6	56.0	16.3	17.5	17.5	16.4
IT	56.6	55.5	55.7	56.3	10.8	12.3	12.9	12.1
CY	64.6	61.7	62.1	62.7	12.1	16.1	16.3	15.2
LV	63.0	65.0	66.3	68.1	15.3	12.1	11.1	10.1
LT	62.0	63.7	65.7	67.2	13.6	12.0	10.9	9.3
LU	65.8	65.7	66.6	66.1	5.2	5.9	5.9	6.7
HU	56.7	58.1	61.8	63.9	11.1	10.2	7.8	6.8
MT	59.1	60.8	62.4	63.9	6.4	6.5	5.9	5.5
NL	74.4	73.6	73.1	74.1	5.9	7.3	7.5	6.9
AT	71.4	71.4	71.1	71.1	4.9	5.4	5.7	5.8
PL	59.7	60.0	61.7	62.9	10.2	10.5	9.1	7.6
PT	61.4	60.6	62.6	63.9	16.3	17.0	14.5	12.9
RO	60.2	60.1	61.0	61.4	7.1	7.4	7.1	7.0
SI	64.1	63.3	63.9	65.2	9.0	10.3	9.9	9.1
SK	59.7	59.9	61.0	62.7	14.0	14.3	13.2	11.5
FI	69.4	68.9	68.7	68.5	7.8	8.3	8.8	9.6
SE	73.8	74.4	74.9	75.5	8.1	8.2	8.1	7.6
UK	69.9	70.5	71.9	72.7	8.1	7.7	6.3	5.4
AL	55.9	49.9	50.5	52.9	13.8	16.4	17.9	17.5
ME	47.0	47.4	50.4	51.4	19.7	19.5	18.0	17.6
MK	44.0	46.0	46.9	47.8	31.2	29.1	28.1	26.3
RS	45.2	47.3	50.7	52.0	23.9	22.1	19.9	18.2
TR	48.9	49.5	49.5	50.2	8.3	8.9	10.1	10.4
IS	79.7	81.1	82.9	84.7	6.1	5.5	5.1	4.2
NO	75.7	75.4	75.2	74.8	3.2	3.5	3.6	4.4
CH	79.4	79.6	79.8	80.2	4.3	4.5	4.7	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).

1.4

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
	2015			2015		
EU-28	1.5	24.6	73.8	4.8	21.7	73.5
BE	0.7	22.2	77.1	1.3	17.8	80.9
BG	4.8	27.9	67.3	18.8	25.5	55.7
CZ	2.5	37.8	59.7	3.1	36.8	60.1
DK	1.2	22.9	75.8	2.4	17.0	80.6
DE	0.6	30.5	68.9	1.5	24.4	74.1
EE	3.4	27.4	69.2	3.9	29.4	66.7
IE	1.0	41.7	57.3	5.5	18.3	76.1
EL	4.1	15.7	80.2	11.7	14.2	74.1
ES	2.6	23.6	73.8	4.0	17.5	78.5
FR	1.7	19.5	78.8	2.8	17.4	79.8
HR	4.1	26.6	69.3	9.1	26.7	64.2
IT	2.3	23.7	74.0	3.7	23.3	73.0
CY	2.3	10.6	87.2	4.1	15.9	80.1
LV	3.4	22.9	73.8	8.1	23.6	68.3
LT	3.6	29.8	66.5	9.1	25.1	65.9
LU	0.2	12.4	87.3	0.9	19.4	79.7
HU	4.1	31.9	64.0	6.3	26.1	67.6
MT	1.3	15.3	83.5	1.6	18.5	80.0
NL	1.8	20.0	78.2	2.2	14.7	83.1
AT	1.3	28.3	70.4	4.1	23.0	72.9
PL	2.6	34.1	63.3	11.5	30.3	58.2
PT	2.3	22.3	75.4	9.9	22.9	67.2
RO	4.7	33.7	61.6	26.6	27.7	45.7
SI	2.4	32.7	64.9	8.0	29.2	62.8
SK	3.7	34.8	61.5	3.2	30.9	65.8
FI	2.5	26.9	70.6	4.3	22.5	73.2
SE	1.3	26.3	72.4	2.3	20.5	77.2
UK	0.7	19.4	79.9	1.2	16.0	82.8
AL	23.1	24.3	52.6	41.3	16.2	42.5
ME	9.8	17.5	72.6	7.7	17.5	74.8
MK	11.4	26.6	62.0	17.9	30.5	51.6
RS	8.2	31.4	60.5	19.4	24.5	56.1
TR	7.8	31.7	60.5	20.4	27.2	52.4
IS	6.2	22.6	71.2	4.2	17.7	78.1
NO	1.8	34.6	63.5	2.5	20.3	77.2
CH	0.7	25.5	73.8	3.2	21.4	75.3

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, FR, NL, PT, RO, CH, MK, AL.

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

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

Population

1.5

AT 1 JANUARY								
	million							%
	1990	1995	2000	2005	2010	2015	2016	change '15/'16
EU-28	475.161	483.163	486.830	494.598	503.171	508.504	510.284	0.4
BE	9.948	10.131	10.239	10.446	10.840	11.237	11.311	0.7
BG	8.767	8.427	8.191	7.689	7.422	7.202	7.154	-0.7
CZ	10.362	10.333	10.278	10.199	10.462	10.538	10.554	0.1
DK	5.135	5.216	5.330	5.411	5.535	5.660	5.707	0.8
DE	79.113	81.539	82.163	82.501	81.802	81.198	82.176	1.2
EE	1.571	1.448	1.401	1.359	1.333	1.315	1.316	0.1
IE	3.507	3.598	3.778	4.112	4.549	4.629	4.725	2.1
EL	10.121	10.536	10.776	10.970	11.119	10.858	10.784	-0.7
ES	38.826	39.343	40.050	43.296	46.487	46.450	46.446	0.0
FR	56.577	59.315	60.545	62.773	64.659	66.488	66.760	0.4
HR	4.773	4.659	4.498	4.311	4.303	4.225	4.191	-0.8
IT	56.694	56.844	56.924	57.875	59.190	60.796	60.666	-0.2
CY	0.573	0.645	0.690	0.733	0.819	0.847	0.848	0.2
LV	2.668	2.501	2.382	2.250	2.121	1.986	1.969	-0.9
LT	3.694	3.643	3.512	3.355	3.142	2.921	2.889	-1.1
LU	0.379	0.406	0.434	0.461	0.502	0.563	0.576	2.4
HU	10.375	10.337	10.222	10.098	10.014	9.856	9.830	-0.3
MT	0.352	0.369	0.380	0.403	0.414	0.429	0.434	1.2
NL	14.893	15.424	15.864	16.306	16.575	16.901	16.979	0.5
AT	7.645	7.943	8.002	8.201	8.352	8.576	8.690	1.3
PL	38.038	38.581	38.263	38.174	38.023	38.006	37.967	-0.1
PT	9.996	10.009	10.249	10.495	10.573	10.375	10.341	-0.3
RO	23.211	22.712	22.455	21.382	20.295	19.871	19.760	-0.6
SI	1.996	1.989	1.988	1.998	2.047	2.063	2.064	0.1
SK	5.288	5.356	5.399	5.373	5.390	5.421	5.426	0.1
FI	4.974	5.099	5.171	5.237	5.351	5.472	5.487	0.3
SE	8.527	8.816	8.861	9.011	9.341	9.747	9.851	1.1
UK	57.157	57.943	58.785	60.182	62.510	64.875	65.383	0.8
AL	3.287	3.249	3.058	3.135		2.892	2.886	-0.2
ME		0.633	0.603	0.613	0.619	0.622	0.622	0.0
MK	1.873	1.957	2.022	2.035	2.053	2.069	2.071	0.1
RS		7.625	7.528	7.456	7.307	7.114	7.076	-0.5
TR	55.495	61.204	66.889	68.010	72.561	77.696	78.741	1.3
IS	0.254	0.267	0.279	0.294	0.318	0.329	0.333	1.0
LI	0.028	0.031	0.032	0.035	0.036	0.037	0.038	0.7
NO	4.233	4.348	4.478	4.606	4.858	5.166	5.211	0.9
CH	6.674	7.019	7.164	7.415	7.786	8.238	8.327	1.1

Notes: DE: population: includes DE-E: 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.

1.6a Member States External Trade of Goods

IMPORTS

YEAR 2015 (VALUE = billion EUR)

	IMPORTS FROM:								
	WORLD	EU-28	EXTRA-EU-28	OF WHICH:					
				CANDIDATE 5	EFTA	USA	JAPAN	RUSSIA	CHINA
EU-28	4 722.861	2 993.655	1 729.207	74.216	180.766	249.263	59.874	136.406	350.640
BE	338.125	212.314	125.811	3.832	8.843	29.348	7.698	8.316	14.684
BG	26.347	16.953	9.394	2.122	0.211	0.243	0.085	3.171	0.969
CZ	127.481	98.510	28.972	1.149	1.199	1.900	1.024	3.133	10.528
DK	77.173	53.620	23.553	0.883	5.391	1.993	0.350	1.299	5.609
DE	947.627	621.622	326.005	15.970	54.936	45.156	13.963	27.399	69.064
EE	13.100	10.704	2.396	0.052	0.192	0.175	0.029	0.821	0.625
IE	69.024	45.627	23.397	0.382	2.627	10.165	1.312	0.149	2.688
EL	43.574	23.063	20.511	1.829	0.541	0.595	0.249	3.399	2.552
ES	281.222	170.837	110.385	4.897	5.075	10.182	2.466	3.333	19.808
FR	516.812	353.841	162.971	6.070	18.030	28.382	4.411	6.063	27.622
HR	18.564	14.428	4.136	0.747	0.182	0.165	0.026	0.433	0.525
IT	370.484	217.390	153.094	9.504	11.713	14.195	3.121	14.408	28.232
CY	5.045	3.714	1.331	0.032	0.105	0.047	0.053	0.121	0.238
LV	13.057	10.366	2.692	0.083	0.160	0.088	0.021	1.092	0.417
LT	25.399	17.199	8.201	0.150	0.360	0.358	0.038	4.138	0.725
LU	21.039	15.205	5.834	0.035	0.123	1.767	0.224	0.007	2.438
HU	82.947	63.520	19.427	1.480	0.567	1.577	1.148	3.282	5.150
MT	5.220	3.410	1.809	0.125	0.048	0.183	0.069	0.073	0.213
NL	462.550	212.445	250.106	3.675	19.613	36.911	10.474	18.371	66.824
AT	140.699	108.009	32.690	1.915	8.467	3.549	0.860	2.173	5.266
PL	177.182	125.325	51.857	2.229	2.283	3.211	1.122	12.618	13.087
PT	60.310	46.152	14.159	0.485	0.358	0.966	0.271	0.637	1.778
RO	62.978	48.586	14.392	2.786	0.527	0.679	0.292	2.002	2.887
SI	26.887	18.812	8.076	1.753	0.353	0.407	0.077	0.256	1.459
SK	66.167	52.057	14.110	0.766	0.353	0.382	0.271	3.433	2.720
FI	54.488	39.757	14.730	0.292	1.238	1.315	0.272	5.954	1.960
SE	124.807	87.357	37.450	1.203	10.760	3.432	1.353	4.202	7.414
UK	564.551	302.832	261.719	9.769	26.512	51.891	8.594	6.123	55.158

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 1.6b

EXPORTS

YEAR 2015 (VALUE = billion EUR)

	EXPORTS TO:								
	WORLD	EU-28	EXTRA-EU-28	OF WHICH:					
				CANDIDATE 5	EFTA	USA	JAPAN	RUSSIA	CHINA
EU-28	4857.474	3068.320	1789.154	97.629	203.133	371.295	56.533	73.737	170.357
BE	357.737	257.088	100.649	4.899	6.566	21.453	3.310	3.038	6.776
BG	22.878	14.853	8.025	2.781	0.115	0.367	0.039	0.401	0.537
CZ	142.364	118.560	23.804	2.313	2.898	3.374	0.782	2.889	1.671
DK	86.060	52.791	33.269	0.830	6.514	7.220	1.654	0.745	3.588
DE	1195.822	692.808	503.014	25.722	58.012	114.510	17.264	21.672	71.918
EE	11.569	8.690	2.880	0.107	0.546	0.363	0.064	0.773	0.136
IE	111.704	59.321	52.382	0.713	6.494	26.784	3.849	0.366	1.650
EL	25.890	14.037	11.853	2.973	0.187	1.246	0.061	0.213	0.228
ES	254.599	165.644	88.956	5.380	4.882	11.497	2.469	1.670	4.381
FR	455.866	268.055	187.811	7.661	15.500	32.938	6.330	4.534	17.932
HR	11.663	7.687	3.976	1.003	0.186	0.269	0.043	0.199	0.070
IT	412.291	225.975	186.316	13.113	20.963	35.977	5.507	7.093	10.413
CY	1.673	0.871	0.802	0.008	0.024	0.029	0.001	0.009	0.039
LV	10.939	7.567	3.372	0.187	0.290	0.157	0.040	1.252	0.110
LT	22.904	14.049	8.855	0.177	0.716	0.998	0.049	3.139	0.102
LU	15.532	13.060	2.472	0.125	0.448	0.405	0.063	0.112	0.231
HU	88.846	72.240	16.607	3.081	0.987	2.457	0.502	1.504	1.262
MT	2.325	1.049	1.276	0.024	0.031	0.135	0.109	0.003	0.024
NL	513.499	388.788	124.711	6.366	11.237	18.876	3.568	4.807	9.551
AT	137.757	96.519	41.237	2.234	8.242	8.739	1.298	2.608	3.074
PL	179.533	142.450	37.083	3.530	4.123	4.027	0.514	5.119	1.819
PT	49.826	36.257	13.568	0.380	0.679	2.567	0.146	0.158	0.839
RO	54.610	40.241	14.369	3.017	0.812	1.053	0.211	0.990	0.525
SI	28.793	21.869	6.924	1.695	0.486	0.515	0.057	0.861	0.294
SK	67.845	57.986	9.859	1.201	1.269	1.466	0.063	1.527	1.020
FI	53.951	31.792	22.160	0.811	2.364	3.768	1.085	3.157	2.537
SE	126.258	73.826	52.432	1.549	14.748	9.687	1.628	1.570	4.831
UK	414.739	184.246	230.494	5.750	33.815	60.418	5.825	3.330	24.799

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

EFTA: Iceland, Liechtenstein, Norway and Switzerland.

1.7 Comparison EU-28 – World

DATA FOR 2015

	EU-28	USA	JAPAN	CHINA	RUSSIA
Population million	509.39	321.42	126.96	1 371.22	144.1
Population growth % change since previous year	0.4	0.8	-0.1	0.5	0.2
Urban population % of total	75	82	93	56	74
Area 1 000 km ²	4 471	9 629	378	9 597	17 075
Population density Persons/km ²	114	33	336	143	8
GDP (nominal) billion EUR	14 711	16 264	3 952	9 926	1 200
Real GDP growth %	2.2	2.6	1.2	6.9	-3.7
Relative GDP per capita in PPP (EU-28 = 100)	100	145	105	37	63
Exports of goods billion EUR	1 789	1 362	561	1 932	308
Imports of goods billion EUR	1 729	2 049	566	1 421	174

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 2.1.1

Gross Value Added:

With around EUR651 billion in Gross Value Added (GVA) at current prices, the transport and storage services sector (including postal and courier activities) accounted for about 5% of total GVA in the EU-28 in 2015 ⁽¹⁾. 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 2015, the transport and storage services sector (including postal and courier activities) in the EU-28 employed around 11.2 million persons ⁽²⁾, some 5.2% of the total workforce ⁽³⁾. Around 52% 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 2015, private households in the EU-28 spent EUR 1 044 billion or roughly 13% of their total consumption on transport-related items. Close to 28% of this sum (around EUR291 billion) was used to purchase vehicles, around half (EUR522 billion) was spent on the operation of personal transport equipment (e.g. to buy fuel for the car) and the rest (EUR230 billion) was spent for transport services (e.g. bus, train, plane tickets).

Goods transport:

In 2015 total goods transport activities in the EU-28 are estimated to amount to 3 516 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 11.9%, inland waterways for 4.2% and oil pipelines for 3.3%. Intra-EU maritime transport was the second most important mode with a share of 31.6% while intra-EU air transport only accounted for 0.1% of the total.

Passenger transport:

In 2015, total passenger transport activities in the EU-28 by any motorized means of transport are estimated to amount to 6 602 billion pkm or on average around 12 962 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 71.5% of this total, powered two-wheelers for 1.9%, buses & coaches for 8.2%, railways for 6.7% and tram and metro for 1.6%. Intra-EU air and intra-EU maritime transport contributed for 9.8% and 0.3% 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⁾ 4.4% of total employment if postal and courier activities are not included.

2.1.1 Statistical Overview EU Transport

Safety:

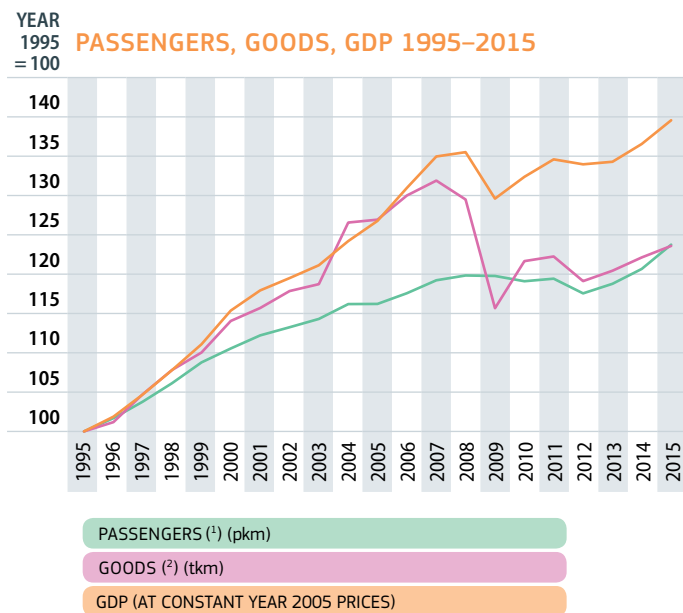
Road: 26134 persons were killed in road accidents (fatalities within 30 days) in 2015, 0.7% more than in 2014 (when 25974 people lost their lives). In comparison with 2001, the number of road fatalities was lower by more than half (-52.4%).

Rail: 27 passengers lost their lives in 2015; this figure does not include casualties among railway employees or other people run over by trains.

Air: 6 lives were lost in 2015.

Transport Growth EU-28

2.1.2



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

	1995–2015 p.a.	2000–2015 p.a.	2014–2015
GDP at year 2005 prices and exchange rates	1.7%	1.3%	2.2%
Passenger transport (pkm)	1.1%	0.8%	2.6%
Freight transport (tkm)	1.1%	0.5%	1.2%

2.1.3

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	50	70-90-120	120	0.5
BG	50	90-120	140	0.0
CZ	50	90-110	130	0.0
DK	50	80	130	0.5
DE	50	100	(130)	0.5
EE	50	90	-	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	90-110	130	0.5
HR	50	90	130	0.5
IT	50	90	130	0.5
CY	50	80	100	0.5
LV	50	90	-	0.5
LT	50	70-90	100-130	0.4
LU	50	90	130	0.5
HU	50	90-110	130	0.0
MT	50	80	-	0.8
NL	50	80-100	120-130	0.5
AT	50	100	130	0.5
PL	50-60	90-100	120-140	0.2
PT	50	90-100	120	0.5
RO	50	90-100	130	0.0
SI	50	90-110	130	0.5
SK	50	90	130	0.0
FI	50	80	80-120	0.22
SE	50	70	110	0.2
UK	48	96-112	112	0.8
AL	40	80-90	110	0.1
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	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 reported speed limits refer to general circumstances. Different speed limits might apply in residential or pedestrian areas, on the basis of weather conditions, the time of the day, the vehicle driven, the season, the visibility or unless otherwise stated by traffic signs. 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: BE: 70 km/h outside built-up areas in the Flemish Region.

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).

ES: Different speed limits apply on non-urban roads according to the presence of hard shoulders, or if the vehicle is equipped with a trailer or dangerous goods.

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

2.1.4

tonnes	WEIGHT PER BEARING AXLE	WEIGHT PER DRIVE AXLE	LORRIES		ROAD TRAIN		ARTICULATED VEHICLES
			2 axles	3 axles	4 axles	5 axles and more	5 axles and more
BE	10	12	19	26	39	44	44
BG	10	11.5	18	26 ⁽¹⁾	36	40	40
CZ	10	11.5	18	26 ⁽¹⁾	36	42-48 ⁽¹⁾	42-48
DK	10	11.5	18	24-26	38	42-56	42-56 ⁽²⁾
DE	10	11.5	18	26 ⁽¹⁾	36	40	40
EE	10	11.5	18	26 ⁽¹⁾	36	40	40-44
IE	10	11.5	18	26	36	44-46	44-46
EL	7-10	13	19	26	33-38	42	42-44
ES	10	11.5	18	25-26	32-36-38	40	40-44
FR	12-13	12-13	19	26	38	40-44	40-44
HR	10	11.5	18	26 ⁽¹⁾	36	40	40-44
IT	12	12	18	26 ⁽¹⁾	40	44	44
CY	10	11,5	18	25	36	40	40-44
LV	10	11.5	18	25-26	36	40	40-44
LT	10	11.5	18	26 ⁽¹⁾	36	40	40-44
LU	10	12	19	26	44	44	44
HU	10	11.5	18	25	36	40	40-44
MT	10	11.5	18	25	36	40	40-44
NL ⁽²⁾	10	11.5	21.5	21.5-30.5	40	50	50
AT	10	11.5	18	26	36	40-44	40-44
PL	10	11.5	18	26 ⁽¹⁾	36	40	40
PT	10-12	12	19	26	37	40-44-60	40-44
RO	10	11.5	18	25-26	36	40	40-44
SI	10	11.5	18	25-26	36	40	40-44
SK	10	11.5	18	26 ⁽¹⁾	36	40	40
FI ⁽³⁾	10	11.5	18	26 ⁽¹⁾	36	44-76 ⁽⁴⁾	42-48
SE	10	11.5	18	26	38	46-64 ⁽⁵⁾	48-64 ⁽⁵⁾
UK	10	11.5	18	26	36	40-44	40-44
AL	10	11.5	18	26 ⁽¹⁾	36	40	44
ME	10	11.5	18	26 ⁽¹⁾	36	40	40-44
MK	10	11.5	18	24	31	40	40
RS	10	11.5	18	25-26	36-38	40	40-44
TR	10	11.5	18	25-26	32-36-38	40-44	40-44
IS	10	11.5	18	26 ⁽¹⁾	36	40	44
NO ⁽²⁾	10	11.5	19	26	39	46-50	46-50
CH	10	11.5	18	26 ⁽¹⁾	36	40	40
LI	10	11.5	18	26 ⁽¹⁾	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. Different limits apply in case the vehicle is equipped with specific tyres or road-friendly suspensions, performing combined transport operations, for national and international traffic, for specific axle configurations, in case of trailers, or for carrying specific types of goods or containers. For a more complete country overview please consult the International Transport Forum website.

(¹) Only for air suspension or similar, and ABS (Anti-lock Braking System).

(²) Under specific conditions EMS (European Modular System) combinations may have a maximum length of 25.25m and maximum mass of 60t.

(³) For vehicles registered in an EEA member country.

(⁴) 5 axles = 44t; 6 axles = 56t; 7 axles = 60t, 8 axles 64-68t (restrictions for ADR), 69-76t (not for ADR).

(⁵) 5 axles = 46t, 6 axles = 64t, 7 axles = 64t.

2.1.5

Employment by Mode of Transport (*) 2014 – in 1 000

	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	10 491.1	2 896.2	2 054.4	448.1	27.9	44.5	178.1	365.2	2 700.0	1 791.0
BE	209.8	59.1	17.5	36.6	0.1	0.7	1.0	5.5	54.7	34.6
BG	157.3	58.8	31.8	11.4		0.9	0.6	1.9	32.4	19.5
CZ	264.5	116.6	37.7	27.5		0.6	0.0	2.3	39.9	40.0
DK	160.0	33.8	27.0	9.2	0.0	0.1	21.3	9.9	34.8	24.0
DE	2 104.0	369.7	371.4	47.5	3.2	9.9	16.6	63.7	706.1	515.9
EE	38.5	16.1	3.7	1.3	0.0	0.0	0.7	0.3	12.9	3.4
IE	92.0	19.4	27.3	4.0		0.1	0.6	8.1	15.3	17.2
EL	172.1	35.5	68.7	1.1		0.0	14.0	3.1	37.6	12.2
ES	822.5	302.6	174.2	14.8		0.4	6.3	28.3	215.7	80.1
FR	1 289.5	347.6	300.9	25.6	4.6	3.1	13.2	77.0	268.4	254.8
HR	84.7	22.2	19.6	5.1		0.1	4.1	1.1	21.4	11.2
IT	1 073.3	303.2	166.4	39.5	2.1	2.6	44.5	21.3	333.4	160.3
CY	18.4	1.9	3.1	0.0	0.0	0.0	2.1	0.6	9.2	1.4
LV	77.9	25.1	13.6	3.8	0.2	0.1	0.8	1.3	27.4	5.5
LT	111.7	55.8	14.6	10.8	0.0	0.1	1.4	0.6	20.3	8.2
LU	20.8	7.4			0.0		0.0	0.9		3.1
HU	226.4	66.7	48.7	18.9	0.8	0.8	0.0	0.8	54.0	35.5
MT	9.9	1.2	1.9	0.0	0.0	0.0	1.4	0.5	3.7	1.2
NL	399.0	111.7	61.9	13.6	0.1	13.4	10.5	25.3	87.4	75.1
AT	194.1	59.3	56.5	10.7	0.4	0.5	0.0	6.7	35.7	24.3
PL	733.3	303.0	134.4	54.0	3.7	1.6	2.1	4.3	135.1	95.0
PT	150.9	60.8	32.8	0.7		0.2	1.5	10.9	29.7	14.4
RO	338.8	121.7	76.5	28.4	6.5	2.0	0.3	3.6	62.5	37.2
SI	43.7	21.2	5.2				0.2	0.6	7.9	7.0
SK	99.3	35.0	13.2	13.5		0.4	0.0	0.3	20.6	16.4
FI	149.9	45.7		4.1		0.3	9.2	4.7	31.3	19.8
SE	265.8	76.3	69.8	9.2		1.5	12.4	5.6	50.0	41.2
UK	1 183.1	219.2	243.0	56.8	0.8	2.3	16.1	75.9	335.9	232.5

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 (*) 2014

2.1.6

	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	1 158 089	553 873	361 509	892	245	9 860	11 114	4 500	150 282	65 800
BE	17 221	7 875	2 700	27	48	323	88	223	3 318	2 619
BG	20 304	11 233	5 792	16		31	25	46	2 129	1 032
CZ	38 610	30 623	3 250	28	2	83	2	43	4 278	301
DK	11 048	4 928	2 881	18	6	22	287	66	1 409	1 431
DE	91 397	31 019	22 944	151	35	1 168	1 554	620	20 288	13 618
EE	4 842	2 889	460	6	0	4	35	12	1 333	103
IE	24 595	4 503	15 533	13		26	136	67	1 560	2 757
EL	63 833	19 359	35 009	10		0	2 648	23	6 360	424
ES	190 480	102 535	61 642	13		62	290	96	19 498	6 343
FR	106 036	34 773	52 692	41	75	1 097	884	681	12 110	3 683
HR	8 642	5 745	1 123	11	2	18	639	29	1 029	46
IT	125 688	69 121	29 634	27	11	1 008	694	228	22 560	2 405
CY	2 931	831	1 161	0	0	0	56	1	703	179
LV	6 951	3 378	1 182	32	2	23	46	22	1 997	269
LT	11 595	5 254	3 521	5	0	14	10	14	2 050	727
LU	957	447	206	1	0	24	0	18	207	51
HU	26 137	13 812	7 404	33	5	105	7	81	3 599	1 091
MT	1 335	361	602	0	0	0	92	3	244	33
NL	38 351	11 268	6 950	35	13	4 302	864	343	6 906	7 670
AT	14 311	6 767	5 405	28	4	99	0	176	1 392	440
PL	140 736	79 062	45 877	151	5	392	257	344	11 611	3 037
PT	21 876	7 995	10 860	4	1	43	203	72	2 273	425
RO	39 666	24 953	10 448	87	3	126	66	69	2 688	1 226
SI	8 313	5 477	1 003	7	3	39	42	73	1 156	513
SK	14 350	6 282	4 189	13		20	0	30	3 179	631
FI	21 580	9 986	8 874	5	1	75	257	88	1 940	354
SE	29 529	15 021	8 759	57		477	770	302	3 675	468
UK	76 775	38 376	11 408	93	9	279	1 156	719	10 790	13 945

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.

2.1.7 Turnover by Mode of Transport (*)

2014 – 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	1415550	315948	138268	61 785	17 223	7 768	106 349	145 051	510 493	110 000
BE	47 326	11 315	1 370	4 422	164	291	2 000	3 896	20 218	3 648
BG	6 225	3 140	457	311		42	28	379	1 564	303
CZ	20 890	7 630	1 283	1 581		33	0	966	8 267	1 130
DK	51 972	5 567	2 720	1 606	1	69	26 954	2 837	10 117	2 101
DE	278 050	36 418	28 096	10 880	3 706	2 462	24 478	23 483	119 139	29 388
EE	4 718	1 182	155	114	0	10	519	133	2 506	99
IE	18 813	2 508	2 716	256		13	826	7 179	3 763	1 554
EL	12 023	2 605	2 101	278		0	1 779	1 055	3 459	747
ES	99 135	30 988	10 450	2 444		18	1 709	8 959	40 260	4 307
FR	202 384	42 568	26 813	6 260	2 639	703	14 158	20 287	74 744	14 211
HR	4 019	1 266	617	247		2	279		1 168	
IT	151 897	43 694	12 109	6 237	3 107	186	11 480	12 953	52 766	9 365
CY	2 360	143	138	0	0	0	163	114	1 744	58
LV	5 383	1 408				18	68	372	2 730	103
LT	7 899	3 350	265	469	0	2	171	161	3 354	127
LU	5 496	1 211			0	86	0		1 060	
HU	16 270	4 702	1 619	802	357	76	4	1 369	6 509	832
MT	1 227	74	72	0	0	0	85	59	907	30
NL	77 996	19 457	3 805	2 662	481	2 932	5 947	10 854	26 347	5 510
AT	39 670	9 356	4 256	2 856	605	108	0	3 737	16 125	2 627
PL	43 976	21 716	3 855	2 530	893	213	412	1 791	10 328	2 239
PT	17 861	5 009	1 156	198		33	466	3 940	6 139	920
RO	14 135	6 854	1 172	875	449	102	77	513	3 384	710
SI	4 807	2 235	293	265		3	36	207	1 467	301
SK	7 606	2 612	286	1 188		54	0	104	2 770	593
FI	23 109	6 111	2 448	699		14	2 496	3 331	6 449	1 561
SE	46 982	10 652	7 979	1 952		152	3 443	2 872	16 548	3 384
UK	203 323	32 175	23 305	13 506	950	147	8 603	30 692	66 660	27 286

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

2.1.8

BY TYPE OF EXPENDITURE – 2015

	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				
EU-28	1 044 478	291 383	522 893	230 202	13.0	2 000
BE	22 026	6 052	13 643	2 331	11.0	2 000
BG	4 601	957	2 131	1 513	15.4	600
CZ	7 468	2 639	3 588	1 240	9.3	700
DK	14 597	4 717	8 069	1 811	11.7	2 600
DE	221 176	70 738	96 259	54 179	14.4	2 700
EE	1 180	214	712	254	10.9	900
IE	10 889	3 589	4 219	3 082	13.0	2 300
EL	18 019	3 962	6 229	7 828	13.8	1 700
ES	69 060	17 232	39 906	11 922	10.8	1 500
FR	152 109	38 831	85 528	27 749	13.1	2 300
HR	3 245	906	1 633	706	12.9	771
IT	121 022	26 136	75 723	19 163	12.0	2 000
CY	1 580	392	801	388	11.7	1 900
LV	1 738	317	991	431	11.7	900
LT	3 454	532	2 425	497	14.6	1 200
LU	2 812	882	1 778	152	15.8	4 900
HU	7 045	1 553	4 479	1 013	12.7	700
MT	655	159	354	142	11.9	1 500
NL	37 293	9 714	21 240	6 339	12.6	2 200
AT	21 160	5 601	11 375	4 183	11.7	2 500
PL	30 471	8 231	18 246	3 995	12.2	800
PT	15 505	5 097	8 287	2 121	12.7	1 500
RO	11 003	1 951	6 135	2 918	11.3	600
SI	3 434	831	2 345	258	16.0	1 700
SK	3 186	681	1 389	1 117	7.5	600
FI	12 848	3 356	7 167	2 325	11.7	2 300
SE	24 852	7 471	11 775	5 606	12.7	2 500
UK	220 648	68 222	86 059	66 367	14.0	3 400

Note: FR, CY, NL, PT, RO: provisional data

2.1.9 EU-28 Evolution of Consumer Prices for Passenger Transport

HARMONISED INDEX OF CONSUMER PRICES

YEAR 2015 = 100	ALL ITEMS	TRANSPORT	of which:		
			PURCHASE OF VEHICLES	Motor cars	Motorcycles, bicycles and animal drawn vehicles
2016	100.3	98.8	100.4	100.3	101.2
2015	100.0	100.0	100.0	100.0	100.0
2014	100.0	102.7	99.4	99.5	99.0
2013	99.5	102.8	98.8	98.9	98.2
2012	98.0	102.5	98.7	98.8	97.4
2011	95.5	98.8	98.4	98.6	97.0
2010	92.6	93.3	97.8	98.1	95.5
2009	90.7	88.5	97.3	97.6	94.3
2008	89.8	90.4	97.4	98.0	91.6
2007	86.7	86.3	97.7	98.4	91.2
2006	84.7	84.2	96.8	97.4	90.5
2005	82.7	81.7	96.2	96.7	90.9

YEAR 2015 = 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
2016	97.6	100.0	94.2	101.4	101.5
2015	100.0	100.0	100.0	100.0	100.0
2014	105.6	100.2	112.5	98.3	98.8
2013	106.6	100.0	116.3	96.3	97.5
2012	107.0	99.3	118.8	94.1	95.8
2011	102.0	97.1	111.0	91.8	94.2
2010	94.1	94.9	97.7	89.1	92.6
2009	86.7	93.9	85.3	86.7	90.9
2008	91.0	92.7	96.7	83.4	88.5
2007	84.9	90.5	87.8	79.8	85.9
2006	82.4	88.6	85.7	76.7	83.7
2005	79.0	86.9	81.2	74.0	82.0

YEAR 2015 = 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
2016	100.6	100.4	101.5	97.4	103.1	101.2	100.1
2015	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2014	98.4	98.9	98.3	98.5	96.8	97.8	99.7
2013	96.4	96.8	96.5	97.7	94.1	95.3	99.1
2012	93.3	94.1	94.3	93.9	94.0	92.1	98.6
2011	89.0	90.1	90.6	89.6	91.3	87.8	96.9
2010	84.2	86.9	87.2	83.5	83.8	84.3	96.1
2009	81.4	82.7	85.0	81.9	83.3	82.2	96.6
2008	78.6	79.1	81.7	82.5	76.7	78.9	96.2
2007	74.0	76.0	77.7	74.7	73.6	75.4	93.3
2006	71.6	72.5	74.8	75.0	69.1	73.1	90.6
2005	69.5	70.1	72.1	74.4	65.1	70.5	88.3

EU-28 External Trade by Mode of Transport – 2015

VALUE (billion EUR)

	PARTNER: EXTRA-EU-28				EXPORT + IMPORT	
	EXPORT		IMPORT			
Sea	859.7	48.1%	919.6	53.2%	1 779.3	50.6%
Road	313.6	17.5%	252.8	14.6%	566.4	16.1%
Rail	19.0	1.1%	20.0	1.2%	39.0	1.1%
Inland waterway	3.0	0.2%	3.3	0.2%	6.3	0.2%
Pipeline	3.6	0.2%	85.9	5.0%	89.4	2.5%
Air	521.8	29.2%	375.1	21.7%	896.9	25.5%
Self propulsion	45.1	2.5%	19.7	1.1%	64.7	1.8%
Post	1.0	0.1%	1.7	0.1%	2.7	0.1%
Unknown	22.4	1.3%	51.1	3.0%	73.6	2.1%
TOTAL	1 789.2	100.0%	1 729.2	100.0%	3 518.4	100.0%

WEIGHT (million tonnes)

	PARTNER: EXTRA-EU-28				EXPORT + IMPORT	
	EXPORT		IMPORT			
Sea	522.5	80.3%	1 254.6	74.5%	1 777.1	76.1%
Road	82.8	12.7%	66.1	3.9%	148.9	6.4%
Rail	17.5	2.7%	70.8	4.2%	88.3	3.8%
Inland waterway	7.9	1.2%	10.7	0.6%	18.5	0.8%
Pipeline	2.8	0.4%	263.1	15.6%	265.9	11.4%
Air	15.5	2.4%	4.1	0.2%	19.7	0.8%
Self propulsion	0.4	0.1%	1.3	0.1%	1.6	0.1%
Post	0.0	0.0%	0.0	0.0%	0.1	0.0%
Unknown	1.0	0.2%	14.3	0.8%	15.3	0.7%
TOTAL	650.4	100.0%	1 685.0	100.0%	2 335.3	100.0%

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

2.1.11 Environmental Taxes and Transport

AS % OF GDP – TRANSPORT FUEL TAXES (*)

	%							RANKING IN 2015
	2005	2010	2011	2012	2013	2014	2015	
EU-28		1.4	1.3	1.3	1.3	1.3	1.3	
BE	1.3	1.2	1.2	1.1	1.1	1.1	1.1	23
BG		2.4	2.3	2.3	2.4	2.3	2.4	2
CZ	2.2	1.9	1.9	1.8	1.8	1.8	1.7	11
DK	1.2	1.0	1.0	0.9	0.9	0.9	0.9	27
DE	1.5	1.4	1.3	1.3	1.2	1.2	1.2	21
EE	1.8	2.1	2.1	2.0	1.9	1.9	2.1	5
IE	1.2	1.2	1.2	1.1	1.1	1.0	0.8	28
EL	1.1	1.7	1.8	1.9	1.8	1.9	1.8	7
ES	1.3	1.1	1.0	1.0	1.2	1.1	1.1	24
FR	1.3	1.2	1.2	1.1	1.1	1.1	1.2	22
HR	2.2	2.1	1.8	1.7	2.0	2.1	2.3	3
IT	1.5	1.4	1.4	1.6	1.6	1.6	1.6	15
CY	1.5	1.5	1.6	1.5	1.8	2.0	2.1	4
LV	2.1	2.0	1.8	1.7	1.7	1.7	1.8	8
LT	1.7	1.7	1.6	1.5	1.5	1.6	1.7	13
LU	2.8	2.2	2.2	2.2	2.0	1.8	1.7	12
HU	1.8	1.9	1.8	1.7	1.7	1.7	1.7	9
MT	1.2	1.3	1.4	1.3	1.2	1.3	1.3	18
NL	1.2	1.2	1.2	1.1	1.1	1.1	1.1	25
AT	1.3	1.2	1.3	1.3	1.2	1.2	1.2	20
PL	1.9	1.9	1.9	1.9	1.9	1.9	2.0	6
PT	1.9	1.7	1.6	1.6	1.5	1.5	1.6	14
RO		1.5	1.3	1.3	1.4	1.7	1.7	10
SI	2.1	2.5	2.4	2.8	2.7	2.6	2.6	1
SK	2.1	1.5	1.5	1.4	1.4	1.4	1.4	16
FI	1.4	1.3	1.2	1.3	1.3	1.3	1.2	19
SE	1.3	1.2	1.1	1.1	1.0	1.0	1.0	26
UK	1.5	1.6	1.5	1.5	1.4	1.4	1.4	17
AL								
ME								
MK								
RS								
TR								
IS								
NO	0.8	0.8	0.7	0.6	0.7	0.6	0.7	
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 2.1.12

AS % OF GDP – TRANSPORT (EXCL. FUEL) (*)

	%							RANKING IN 2015
	1995	2000	2005	2010	2013	2014	2015	
EU-28			0.5	0.5	0.5	0.5	0.5	
BE	0.8	0.8	0.8	0.7	0.7	0.7	0.7	9
BG	0.2	0.2	0.2	0.3	0.3	0.3	0.3	19
CZ	0.3	0.2	0.2	0.1	0.1	0.1	0.1	25
DK	2.1	1.8	2.1	1.4	1.5	1.5	1.5	1
DE	0.4	0.3	0.4	0.3	0.3	0.3	0.3	18
EE	0.3	0.2	0.1	0.1	0.1	0.1	0.1	27
IE	1.3	1.4	1.2	0.9	0.9	0.9	0.7	8
EL	0.7	0.8	0.9	0.7	0.7	0.7	0.8	7
ES	0.4	0.4	0.4	0.3	0.3	0.2	0.2	21
FR	0.4	0.3	0.3	0.3	0.3	0.3	0.3	20
HR			1.1	0.8	0.8	0.9	0.8	6
IT	0.5	0.6	0.6	0.6	0.6	0.6	0.6	12
CY	2.3	2.0	1.4	0.9	0.6	0.7	0.7	10
LV	0.0	0.3	0.3	0.3	0.5	0.5	0.5	14
LT	0.7	0.7	0.5	0.0	0.0	0.1	0.0	28
LU	0.1	0.1	0.1	0.2	0.2	0.1	0.1	26
HU	0.2	0.4	0.5	0.5	0.5	0.4	0.5	16
MT	2.3	2.2	1.7	1.3	1.1	1.2	1.2	2
NL	1.3	1.4	1.2	1.1	0.9	1.0	1.0	3
AT	0.7	0.8	0.9	0.8	0.8	0.9	0.9	5
PL	0.2	0.2	0.3	0.2	0.2	0.2	0.2	23
PT	0.9	1.1	0.9	0.6	0.5	0.6	0.6	11
RO	0.0	0.1	0.1	0.3	0.3	0.3	0.2	22
SI	1.0	0.4	0.5	0.4	0.5	0.5	0.5	15
SK	0.2	0.2	0.2	0.2	0.2	0.2	0.2	24
FI	0.8	1.1	1.1	0.9	0.9	0.9	0.9	4
SE	0.3	0.3	0.4	0.5	0.4	0.4	0.4	17
UK	0.6	0.6	0.4	0.6	0.6	0.6	0.6	13
AL								
ME								
MK								
RS								
TR								
IS	1.1	1.7	1.6	0.2	0.3	0.3	0.4	
NO	1.4	1.2	1.4	1.2	1.1	1.0	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.

2.1.13 Environmental Taxes & Transport (FUEL & OTHER TAXES)

AS % OF TOTAL TAXATION (*)

	%							RANKING IN 2015
	2005	2010	2011	2012	2013	2014	2015	
EU-28		5.0	4.9	4.8	4.7	4.6	4.6	
BE	4.8	4.4	4.4	4.1	3.9	4.0	4.1	24
BG		10.1	10.0	9.4	9.3	9.0	9.4	1
CZ	6.8	6.3	6.0	5.7	5.5	5.6	5.4	17
DK	6.9	5.5	5.3	5.0	5.1	4.8	5.2	18
DE	5.2	4.6	4.5	4.3	4.1	4.0	3.9	26
EE	6.3	6.4	6.7	6.6	6.1	6.1	6.3	12
IE	7.8	7.6	7.2	6.9	7.0	6.7	6.4	11
EL	6.1	7.3	7.3	7.3	7.1	7.3	7.2	7
ES	4.8	4.3	4.2	4.0	4.3	4.1	4.0	25
FR	3.8	3.4	3.3	3.1	3.1	3.0	3.1	28
HR	8.9	8.1	7.4	6.9	7.6	8.1	8.3	2
IT	5.4	4.7	4.8	5.2	5.0	5.0	5.0	20
CY	9.2	7.7	7.6	7.1	7.6	8.1	8.3	3
LV	8.6	8.4	8.2	7.5	7.5	7.5	7.8	5
LT	7.4	6.3	6.0	5.8	5.8	5.9	5.9	14
LU	7.7	6.2	6.2	6.0	5.5	5.1	4.8	22
HU	6.3	6.2	6.1	5.8	5.6	5.5	5.6	16
MT	9.0	8.4	8.7	7.8	7.0	7.1	7.4	6
NL	6.8	6.4	6.3	6.0	5.6	5.6	5.6	15
AT	5.2	4.9	5.1	4.9	4.7	4.8	4.7	23
PL	6.7	6.7	6.6	6.6	6.6	6.7	6.7	9
PT	9.0	7.6	6.8	6.4	6.0	6.1	6.5	10
RO		6.8	5.5	5.7	6.1	7.1	6.9	8
SI	6.8	7.8	7.6	8.5	8.6	8.4	8.2	4
SK	7.2	6.1	6.0	5.7	5.4	5.2	5.1	19
FI	5.9	5.4	5.2	5.1	5.0	4.9	4.8	21
SE	3.6	3.8	3.6	3.5	3.5	3.3	3.3	27
UK	6.0	6.5	6.3	6.2	6.2	6.1	5.9	13
AL								
ME								
MK								
RS								
TR								
IS								
NO	5.2	4.6	4.4	4.3	4.3	4.2	4.2	
CH								

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

Comparison EU-28 – World

INFRASTRUCTURE AND VEHICLES

2.1.14

TRANSPORT INFRASTRUCTURE					
	EU-28	USA	JAPAN	CHINA	RUSSIA
	2015	2015	2014	2015	2015
1 000 km					
Road network (paved)	5 000	4 402	993	4 046	1 154
Motorway network	75.8	102.2 ⁽¹⁾	8.4 ⁽²⁾	104.4	52.0 ⁽³⁾
Railway network	218.2	203.2 ⁽⁴⁾	19.2	121.0	86.0
Electrified rail lines	116.1		11.5	74.7	43.5
Navigable inland waterways	41.9	40.2		127.0	102.0
Oil pipelines	36.0	335.7		108.7 ⁽⁵⁾	55.0 ⁽⁶⁾

VEHICLE STOCK						
	EU-28	USA	JAPAN	CHINA	RUSSIA	
	2015	2015	2015	2015	2015	
Passenger cars stock	million	254.2	243 ⁽⁷⁾	60.8 ⁽⁸⁾	87.9	44.3
Motorisation	cars / 1 000 persons	498	757	478	64	307
Commercial freight vehicles	million	36.57	11.20	14.38 ⁽⁹⁾	20.66	6.23

TRANSPORT SAFETY						
	EU-28	USA	JAPAN	CHINA	RUSSIA	
	2015	2015	2015	2014	2015	
Road fatalities	number	26 134	35 092	4 117	58 523	23 114
	per million inhabitants	51	109	32	43	160

Notes: (1) Divided highways with 4 or more lanes (rural or urban interstate, freeways, expressways, arterial and collector) with full access control by the authorities.

(2) Japan: national expressways.

(3) Russia: federal roads.

(4) USA: a sum of partly overlapping networks.

(5) China: both oil and gas pipelines.

(6) Russia: only crude oil pipelines.

19 thousand km of oil products pipelines are not included.

(7) USA: light duty vehicles, short wheel and long wheel base.

(8) Japan: ordinary, small and light four-wheeled vehicles.

(9) Japan: including 8.5 million light motor vehicles.

2.1.15 Comparison EU-28 – World

PASSENGER AND FREIGHT TRANSPORT

PASSENGER TRANSPORT					
billion pkm	EU-28	USA	JAPAN	CHINA	RUSSIA
	2015	2015	2014	2015	2015
Passenger car	4 719.4	6 161.1 ⁽¹⁾		1 074.3 ⁽²⁾	
Bus + trolley bus + coach	543.5	554.0	72.6		132.3
Railway	441.9	40.0	414	1 196.1	120.6
Tram + metro	102.4	23.0	⁽³⁾		49.4
Waterborne	21.7	0.7	3.3 ⁽⁴⁾	7.3	0.6
Air (domestic/intra-EU-28)	649.0	1 033.0	86.8	728.3	226.8

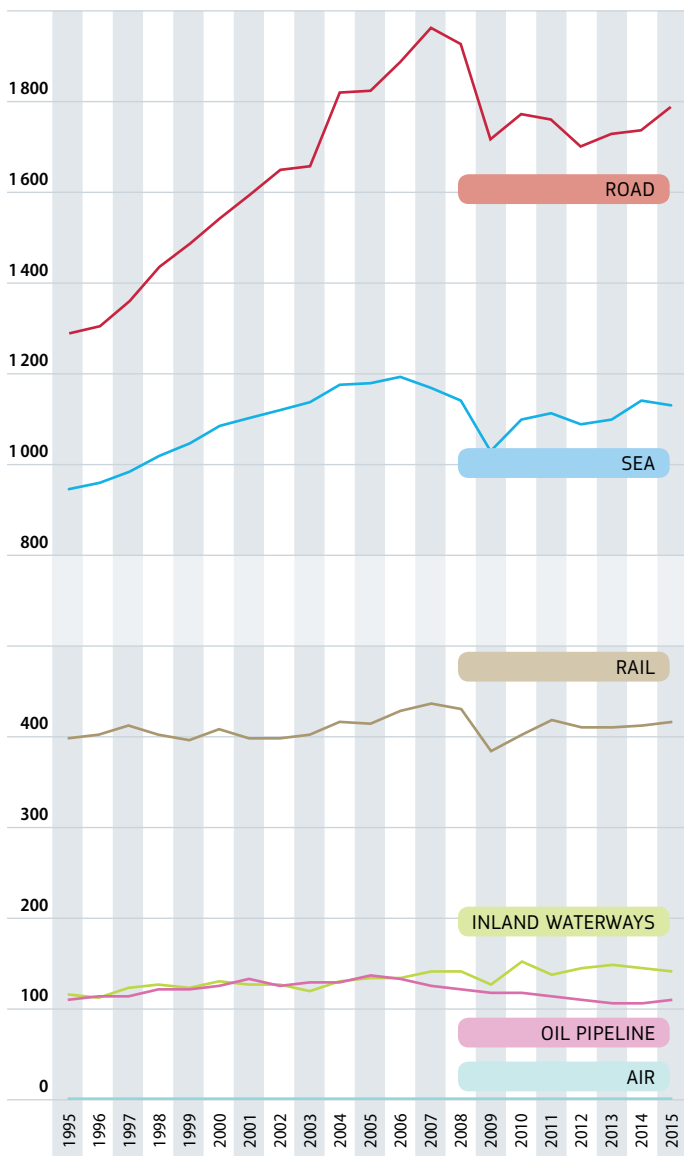
FREIGHT TRANSPORT					
billion tkm	EU-28	USA	JAPAN	CHINA	RUSSIA
	2015	2014	2014	2015	2015
Road	1 722.3	3 810.5	210.0	5 795.6	232.0
Rail	417.5	2 702.7 ⁽⁵⁾	21.0	2 375.4	2 306.0
Inland waterways	147.5	483.0			63.0
Oil pipeline	115.2	1 305.2		466.5 ⁽⁶⁾	2 444.0
Sea (domestic/intra-EU-28)	1 111.4	251.8 ⁽⁷⁾	183.1	9 177.2 ⁽⁸⁾	40.0

- Notes:** ⁽¹⁾ USA: including light trucks/vans.
⁽²⁾ China: including buses and coaches.
⁽³⁾ Japan: included in railway pkm.
⁽⁴⁾ Japan: 2013 value.
⁽⁵⁾ USA: Class I rail.
⁽⁶⁾ China: oil and gas pipelines.
⁽⁷⁾ USA: refers to coastal shipping.
⁽⁸⁾ China: both coastwise and inland waterway transport.

EU-28 Performance for Freight Transport 1995–2015 – BY MODE

2.2.1

billion tonne-kilometres (tkm)



2.2.2

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	1 755	416	139	138	1 162	2	3 612
2006	1 810	438	139	137	1 173	2	3 699
2007	1 876	452	146	128	1 149	2	3 753
2008	1 844	443	147	125	1 123	2	3 685
2009	1 660	364	133	122	1 011	2	3 292
2010	1 710	394	156	121	1 080	2	3 462
2011	1 699	422	142	118	1 095	2	3 478
2012	1 645	407	150	115	1 070	2	3 389
2013	1 671	407	153	112	1 082	2	3 427
2014	1 676	411	151	111	1 123	3	3 475
2015	1 722	418	148	115	1 111	3	3 516
1995–2015 per year	33.7 %	7.6 %	20.8 %	0.2 %	19.5 %	44.9 %	23.6 %
	1.5 %	0.4 %	0.9 %	0.0 %	0.9 %	1.9 %	1.1 %
2000–2015 per year	14.1 %	3.0 %	10.2 %	-9.4 %	4.2 %	18.3 %	8.4 %
	0.9 %	0.2 %	0.6 %	-0.7 %	0.3 %	1.1 %	0.5 %
2014–2015	2.8 %	1.6 %	-2.2 %	3.5 %	-1.1 %	0.9 %	1.2 %

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	48.6	11.5	3.8	3.8	32.2	0.1
2006	48.9	11.8	3.7	3.7	31.7	0.1
2007	50.0	12.0	3.9	3.4	30.6	0.1
2008	50.0	12.0	4.0	3.4	30.5	0.1
2009	50.4	11.0	4.0	3.7	30.7	0.1
2010	49.4	11.4	4.5	3.5	31.2	0.1
2011	48.8	12.1	4.1	3.4	31.5	0.1
2012	48.5	12.0	4.4	3.4	31.6	0.1
2013	48.8	11.9	4.5	3.3	31.6	0.1
2014	48.2	11.8	4.3	3.2	32.3	0.1
2015	49.0	11.9	4.2	3.3	31.6	0.1

Notes: (*) The time series for maritime transport performance has been revised, for the period from 2005 onwards, 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 until 2004, from 2005 onwards the activity performed by European drivers within the EU territory.

Modal Split of Freight Transport on Land 2015 – BY COUNTRY 2.2.3

tkm in %				
	ROAD	RAIL	INLAND WATERWAYS	PIPELINES
EU-28	71.7	17.4	6.1	4.8
BE	71.2	10.9	15.6	2.4
BG	53.0	17.3	26.6	3.1
CZ	70.9	25.6	0.1	3.4
DK	79.5	9.4	-	11.0
DE	69.5	18.7	8.9	2.8
EE	47.6	52.4	-	-
IE	99.0	1.0	-	-
EL	97.3	1.6	-	1.1
ES	89.3	5.6	-	5.1
FR	82.2	11.2	2.8	3.8
HR	64.8	17.2	6.9	11.0
IT	81.4	12.6	0.0	5.9
CY	100.0	-	-	-
LV	18.7	73.7	-	7.7
LT	33.4	64.4	0.0	2.3
LU	85.7	6.7	7.6	-
HU	60.7	27.5	5.0	6.8
MT	100.0	-	-	-
NL	45.7	5.8	43.1	5.4
AT	57.0	28.5	2.5	11.9
PL	67.0	23.0	0.0	9.9
PT	84.1	13.9	-	2.0
RO	37.1	30.8	29.7	2.3
SI	65.0	35.0	-	-
SK	49.4	30.2	2.6	17.8
FI	72.6	27.0	0.4	-
SE	70.6	29.4	-	-
UK	83.8	11.1	0.1	5.0
AL				
ME				
MK				
RS				
TR				
IS				
NO	77.5	11.4	-	11.0
CH	62.5	37.4	0.1	-

2.2.4a

Road
NATIONAL HAULAGE

HAULAGE BY VEHICLES REGISTERED
IN THE REPORTING COUNTRY

	billion tkm						%	%
	1995	2000	2005	2010	2014	2015	OF TOTAL HAULAGE 2015	CHANGE '14/'15
EU-28		<i>1 086.4</i>	<i>1 225.8</i>	<i>1 173.2</i>	<i>1 113.1</i>	<i>1 151.2</i>	65.1	3.4
BE	18.6	19.8	19.3	17.8	19.2	18.9	59.7	-1.2
BG		3.1	5.0	6.1	6.8	7.2	22.2	5.1
CZ		14.2	15.5	14.8	16.8	21.1	36.9	25.5
DK	9.3	11.0	11.1	10.6	12.9	12.5	80.9	-3.2
DE	201.3	226.5	237.6	252.5	263.0	269.7	85.7	2.5
EE	0.4	0.7	1.8	1.4	1.5	1.5	24.3	-1.1
IE	4.7	8.3	14.0	8.2	7.7	7.8	78.4	0.7
EL	20.0	23.0	19.6	25.3	15.1	15.0	76.0	-0.6
ES	78.7	106.9	166.4	146.2	128.2	137.2	65.5	7.1
FR	135.3	163.2	177.3	164.3	151.1	141.2	92.0	-6.5
HR		1.9	4.4	4.5	3.9	4.1	38.8	3.2
IT	150.3	158.3	171.6	149.2	102.4	104.1	89.1	1.7
CY		1.3	1.4	1.1	0.5	0.5	97.3	4.2
LV		1.5	2.7	2.6	2.7	2.8	18.7	0.5
LT		1.5	2.1	2.3	2.8	2.9	11.0	5.2
LU	0.5	0.4	0.5	0.6	1.1	1.1	12.5	-2.2
HU		12.1	11.4	11.3	9.6	10.4	27.0	7.5
MT		0.2	0.2	0.2	0.2	0.2	80.0	0.0
NL	26.7	31.5	31.8	30.1	32.3	32.2	46.7	-0.3
AT	11.1	12.4	12.5	13.9	14.0	14.7	60.1	5.1
PL		48.0	60.9	82.2	96.6	104.7	40.2	8.3
PT	16.5	14.2	17.4	12.9	10.5	10.8	33.9	3.1
RO		9.9	19.4	12.1	12.1	12.1	30.9	-0.6
SI		1.9	2.4	2.3	2.1	2.1	11.6	0.3
SK		5.1	5.6	5.2	5.1	5.2	15.6	3.0
FI	21.8	27.7	27.8	25.2	20.3	21.4	87.5	5.6
SE	28.4	31.5	34.7	32.7	38.8	38.1	91.8	-1.8
UK	146.7	150.3	151.2	137.8	135.6	151.7	95.5	11.9
AL								
ME								
MK								
RS								
TR	112.5	161.6	166.8	190.4	234.5	244.3		4.2
IS	0.5	0.6	0.7	0.8	0.9	0.9		7.2
NO		12.1	15.4	16.3	19.0	20.5	88.4	7.5
CH	8.4	8.9	9.2	9.6	10.6	10.4	83.3	-2.1

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

2.2.4b

INTERNATIONAL HAULAGE (*)

HAULAGE BY VEHICLES REGISTERED IN THE REPORTING COUNTRY

	billion tkm						% OF TOTAL HAULAGE 2015	% CHANGE '14/'15
	1995	2000	2005	2010	2014	2015		
EU-28		421.6	568.8	583.2	613.9	617.0	34.9	0.5
BE	27.0	31.3	24.6	17.2	12.6	12.8	40.3	1.2
BG		3.3	9.3	13.3	21.0	25.1	77.8	19.5
CZ		23.1	27.9	37.1	37.3	36.1	63.1	-3.2
DK	13.1	13.0	12.2	4.4	3.2	3.0	19.2	-8.4
DE	36.5	54.2	72.5	60.6	47.1	45.2	14.3	-4.1
EE	1.1	3.2	4.0	4.2	4.8	4.7	75.7	-0.6
IE	0.8	3.9	3.9	2.7	2.0	2.1	21.6	4.6
EL	4.0	4.5	4.2	4.6	4.1	4.7	24.0	15.5
ES	22.9	41.8	66.8	63.9	67.6	72.2	34.5	6.7
FR	42.9	40.8	28.0	17.9	14.1	12.3	8.0	-12.6
HR		1.0	4.9	4.2	5.5	6.4	61.2	17.1
IT	24.1	26.4	40.2	26.5	15.5	12.7	10.9	-17.8
CY		0.0	0.0	0.0	0.0	0.0	2.7	25.0
LV		3.3	5.7	8.0	10.9	11.9	81.3	9.2
LT		6.2	13.8	17.1	25.3	23.6	89.0	-6.8
LU	5.0	7.2	8.3	8.1	8.5	7.7	87.5	-8.6
HU		7.0	13.8	22.4	27.9	28.0	73.0	0.4
MT		0.1	0.1	0.1	0.1	0.1	20.0	0.0
NL	40.4	48.0	52.3	46.8	40.1	36.7	53.3	-8.4
AT	15.4	22.7	24.5	14.7	10.3	9.7	39.9	-5.6
PL		27.0	50.9	120.1	154.3	156.0	59.8	1.1
PT	15.5	12.6	25.2	22.5	24.4	21.0	66.1	-13.7
RO		4.4	32.1	13.8	23.0	27.0	69.1	17.2
SI		3.4	8.7	13.6	14.2	15.8	88.4	11.5
SK		9.3	16.9	22.4	26.3	28.3	84.4	7.7
FI	2.7	4.3	4.0	4.4	3.1	3.1	12.5	-1.6
SE	3.2	4.2	3.9	3.5	3.1	3.4	8.2	7.9
UK	14.8	15.3	10.1	8.9	7.5	7.2	4.5	-4.6
AL								
ME								
MK								
RS								
TR								
IS								
NO		3.0	2.9	3.4	2.6	2.7	11.6	4.5
CH (†)	0.7	0.9	1.0	3.7	2.5	2.1	16.7	-16.2

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.

2.2.4c Road – NATIONAL & INTERNATIONAL HAULAGE (*)

HAULAGE BY VEHICLES REGISTERED IN THE REPORTING COUNTRY

	billion tkm						%
	1995	2000	2005	2010	2014	2015	CHANGE '14/'15
EU-28	1 288.7	1 509.5	1 794.6	1 756.4	1 726.9	1 768.2	2.4
BE	45.6	51.0	43.8	35.0	31.8	31.7	-0.2
BG	5.2	6.4	14.4	19.4	27.9	32.3	16.0
CZ	31.3	37.3	43.4	51.8	54.1	57.2	5.7
DK	22.4	24.0	23.3	15.0	16.2	15.5	-4.2
DE	237.8	280.7	310.1	313.1	310.1	314.8	1.5
EE	1.5	3.9	5.8	5.6	6.3	6.3	-0.7
IE	5.5	12.3	17.9	10.9	9.8	9.9	1.5
EL	24.0	29.0	23.8	29.8	19.2	19.8	2.8
ES	101.6	148.7	233.2	210.1	195.8	209.4	7.0
FR	178.2	204.0	205.3	182.2	165.2	153.6	-7.0
HR		2.9	9.3	8.8	9.4	10.4	11.3
IT	174.4	184.7	211.8	175.8	117.8	116.8	-0.8
CY	1.2	1.3	1.4	1.1	0.5	0.6	4.6
LV	1.8	4.8	8.4	10.6	13.7	14.7	7.5
LT	5.2	7.8	15.9	19.4	28.1	26.5	-5.6
LU	5.5	7.6	8.8	8.7	9.6	8.9	-7.8
HU	13.8	19.1	25.2	33.7	37.5	38.4	2.2
MT	0.3	0.3	0.3	0.3	0.3	0.3	0.0
NL	67.1	79.6	84.2	76.8	72.3	68.9	-4.8
AT	26.5	35.1	37.0	28.7	24.3	24.4	0.6
PL	51.2	75.0	111.8	202.3	250.9	260.7	3.9
PT	32.0	26.8	42.6	35.4	34.9	31.8	-8.7
RO	19.7	14.3	51.5	25.9	35.1	39.0	11.1
SI	3.3	5.3	11.0	15.9	16.3	17.9	10.1
SK	15.9	14.3	22.6	27.6	31.4	33.5	7.0
FI	24.5	32.0	31.9	29.5	23.4	24.5	4.6
SE ⁽¹⁾	31.6	35.6	38.6	36.3	42.0	41.5	-1.1
UK	161.5	165.6	161.3	146.7	143.2	158.9	11.0
AL	2.1	2.2	3.2	4.6	3.5	3.4	-2.8
ME			0.1	0.2	0.1	0.1	14.5
MK			5.6	4.2	7.4	6.8	-8.6
RS		0.6	0.7	1.7	3.0	3.0	0.5
TR ⁽²⁾	112.5	161.6	166.8	190.4	234.5	244.3	4.2
IS ⁽²⁾	0.5	0.6	0.7	0.8	0.9	0.9	7.2
NO	9.7	15.1	18.2	19.8	21.6	23.1	7.1
CH ⁽³⁾	9.1	9.8	10.2	13.2	13.1	12.4	-4.8

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

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

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

⁽²⁾ TR, IS: national transport only.

⁽³⁾ 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 2.2.4d

ADJUSTED FOR TERRITORIALITY (*)

HAULAGE PERFORMED WITHIN THE TERRITORY OF EACH COUNTRY BY ANY VEHICLE

	billion tkm						%
	2005	2010	2012	2013	2014	2015	CHANGE '14/'15
EU-28	1 755.5	1 709.8	1 645.1	1 670.7	1 676.2	1 722.3	2.8
BE	46.8	45.6	45.9	47.6	47.9	47.7	-0.5
BG	11.0	8.9	9.3	11.0	10.3	11.2	7.9
CZ	32.3	32.0	32.5	35.4	37.0	42.2	14.1
DK	16.8	17.2	18.6	19.3	19.5	19.1	-2.0
DE	370.8	404.9	408.2	416.7	426.9	432.4	1.3
EE	2.7	2.2	2.5	2.7	2.6	2.8	7.3
IE	15.6	9.7	8.8	8.6	9.0	9.2	2.3
EL	21.9	27.6	18.6	17.1	17.5	17.7	0.7
ES	210.7	184.4	169.8	166.1	167.1	178.0	6.5
FR	294.5	275.1	259.1	263.7	259.8	250.5	-3.6
HR	10.5	7.9	7.4	7.7	7.6	8.2	8.6
IT	204.0	183.6	139.5	141.8	133.0	133.9	0.7
CY	1.4	1.1	0.9	0.6	0.5	0.5	4.2
LV	3.7	3.7	4.1	4.5	4.5	4.8	6.7
LT	4.4	5.0	6.0	6.7	6.7	7.3	8.4
LU	1.9	2.1	2.7	2.5	2.9	2.6	-9.1
HU	22.2	21.3	19.8	20.1	20.7	22.1	6.3
MT							
NL	49.7	49.2	47.0	51.0	51.5	51.5	0.0
AT	32.4	37.9	38.0	38.6	38.9	40.5	4.1
PL	86.8	116.2	127.9	141.5	138.5	147.4	6.4
PT	23.9	18.9	16.5	15.8	16.6	16.3	-2.0
RO	32.5	15.6	16.9	17.0	16.5	16.5	-0.5
SI	7.3	7.3	7.1	7.1	7.3	7.8	6.0
SK	10.5	11.8	12.2	12.3	13.0	13.8	6.5
FI	28.8	26.5	23.0	21.9	21.5	22.8	6.0
SE	45.1	42.4	39.6	41.2	48.8	49.4	1.2
UK	167.3	151.5	163.4	152.2	149.6	166.0	11.0
AL							
ME							
MK							
RS							
TR							
IS							
NO	17.1	19.1	20.0	22.0	22.2	23.7	6.6
CH	23.0	21.6	20.8	20.8	21.7	20.8	-4.1

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

Railways

	billion tkm							%
	1990	1995	2000	2005	2010	2014	2015	CHANGE '14/'15
EU-28	526.3	388.1	405.5	416.0	393.5	410.8	417.5	1.6
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	3.4	3.7	6.1
CZ		22.6	17.5	14.9	13.8	14.6	15.3	4.7
DK	1.7	2.0	2.0	2.0	2.2	2.5	2.3	-7.4
DE	101.7	70.5	82.7	95.4	107.3	112.6	116.6	3.6
EE	7.0	3.8	8.1	10.6	6.6	3.3	3.1	-4.3
IE	0.6	0.6	0.5	0.3	0.1	0.1	0.1	-4.0
EL	0.6	0.3	0.4	0.6	0.6	0.3	0.3	-5.5
ES	11.2	11.0	11.6	11.6	8.9	10.4	11.1	7.2
FR	52.2	48.3	57.7	40.7	30.0	32.6	34.3	5.1
HR		2.0	1.8	2.8	2.6	2.1	2.2	3.1
IT	19.4	21.7	22.8	22.8	18.6	20.2	20.8	3.1
CY	-	-	-	-	-	-	-	-
LV	18.5	9.8	13.3	19.8	17.2	19.4	18.9	-2.8
LT	19.3	7.2	8.9	12.5	13.4	14.3	14.0	-1.9
LU	0.6	0.5	0.6	0.4	0.3	0.2	0.2	-0.5
HU	16.8	8.4	8.8	9.1	8.8	10.2	10.0	-1.5
MT	-	-	-	-	-	-	-	-
NL	3.1	3.1	4.5	5.9	5.9	6.2	6.5	6.1
AT	12.2	13.2	16.6	19.0	19.8	20.5	20.3	-1.1
PL	81.6	68.2	54.0	50.0	48.7	50.1	50.6	1.1
PT	1.5	2.0	2.2	2.4	2.3	2.4	2.7	10.4
RO	48.9	17.9	16.4	16.6	12.4	12.3	13.7	11.5
SI	4.2	3.1	2.9	3.2	3.4	4.1	4.2	1.6
SK		13.8	11.2	9.5	8.1	8.8	8.4	-4.4
FI	8.4	9.6	10.1	9.7	9.8	9.6	8.5	-11.8
SE	19.1	19.4	19.5	21.7	23.5	21.3	20.6	-3.3
UK	16.0	13.3	18.1	21.4	18.6	22.1	22.0	-0.7
AL	0.6	0.1	0.0	0.0	0.1	0.0	0.0	-42.3
ME					0.2	0.1	0.1	19.1
MK			0.5	0.5	0.5	0.4	0.3	-32.4
RS					3.5	3.0	3.2	8.7
TR	7.9	8.5	9.8	9.1	11.3	11.6	10.2	-12.3
IS	-	-	-	-	-	-	-	-
NO	2.6	2.7	3.0	3.1	3.5	3.5	3.5	-1.2
CH	9.0	8.9	11.1	11.7	11.1	12.3	12.4	1.0

Notes: DE: includes DE-E: 1990=39.8.

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

Inland Waterways

2.2.6

	billion tkm							%
	1990	1995	2000	2005	2010	2014	2015	CHANGE '14/'15
EU-28	118.8	122.1	133.9	138.8	155.5	150.9	147.5	-2.2
BE	5.4	5.7	7.2	8.6	9.1	10.5	10.4	-0.2
BG	1.6	0.5	0.3	0.8	6.0	5.1	5.6	10.3
CZ		0.3	0.1	0.1	0.0	0.0	0.0	22.2
DK	-	-	-	-	-	-	-	-
DE	54.8	64.0	66.5	64.1	62.3	59.1	55.3	-6.4
EE	0.0	0.0	-	-	-	-	-	-
IE	-	-	-	-	-	-	-	-
EL	-	-	-	-	-	-	-	-
ES	-	-	-	-	-	-	-	-
FR	7.6	6.6	9.1	8.9	9.5	8.8	8.5	-3.3
HR	0.5	0.0	0.1	0.1	0.9	0.7	0.9	22.8
IT	0.1	0.1	0.2	0.1	0.1	0.1	0.1	-3.1
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	0.2	-17.5
HU	2.0	1.2	0.9	2.1	2.4	1.8	1.8	0.7
MT	-	-	-	-	-	-	-	-
NL	35.7	35.5	41.3	42.2	46.6	49.3	48.5	-1.5
AT	1.7	2.0	2.4	1.8	2.4	2.2	1.8	-17.0
PL	1.0	0.9	1.2	0.3	0.1	0.1	0.1	-20.0
PT	-	-	-	-	-	-	-	-
RO	2.1	3.1	2.6	8.4	14.3	11.8	13.2	12.0
SI	-	-	-	-	-	-	-	-
SK		1.5	1.4	0.7	1.2	0.9	0.7	-18.1
FI	1.1	0.1	0.1	0.1	0.1	0.1	0.1	-4.4
SE	-	-	-	-	-	-	-	-
UK	0.3	0.2	0.2	0.2	0.2	0.2	0.2	-1.8
AL	-	-	-	-	-	-	-	-
ME	-	-	-	-	-	-	-	-
MK	-	-	-	-	-	-	-	-
RS	3.2	0.3	1.0	1.6	0.9	0.8	0.9	13.2
TR	-	-	-	-	-	-	-	-
IS	-	-	-	-	-	-	-	-
NO	-	-	-	-	-	-	-	-
CH	0.2	0.0	0.1	0.0	0.0	0.0	0.0	4.8

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

CS: 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

Oil Pipelines

	billion tkm							%
	1990	1995	2000	2005	2010	2014	2015	CHANGE '14/'15
EU-28		114.9	127.1	137.6	121.1	111.3	115.2	3.5
BE	1.0	1.4	1.6	1.5	1.5	1.6	1.6	3.8
BG	0.6	0.4	0.4	0.4	0.4	0.6	0.7	13.4
CZ		2.3	1.6	2.3	2.2	2.1	2.0	-1.9
DK	2.0	3.1	4.7	5.1	3.5	2.4	2.7	10.0
DE	13.3	14.8	15.0	16.7	16.3	17.5	17.7	1.0
EE	-	-	-	-	-	-	-	-
IE	-	-	-	-	-	-	-	-
EL	-	-	-	0.2	0.2	0.2	0.2	-4.3
ES	4.2	5.9	7.5	9.2	8.2	9.0	10.1	12.8
FR	19.6	22.3	21.7	20.9	17.6	11.1	11.5	3.5
HR	3.6		0.4	1.5	1.3	1.1	1.4	25.2
IT	9.2	9.7	10.3	11.4	10.4	9.6	9.7	1.2
CY	-	-	-	-	-	-	-	-
LV		5.3	6.5	3.4	2.4	2.4	2.0	-17.3
LT		2.0	3.5	4.4	0.6	0.6	0.5	-12.5
LU	-	-	-	-	-	-	-	-
HU	5.3	2.2	2.3	2.7	3.2	2.8	2.5	-11.9
MT	-	-	-	-	-	-	-	-
NL	4.9	5.3	5.9	5.9	5.6	5.8	6.0	3.5
AT	6.4	6.8	7.6	7.8	7.0	8.3	8.5	2.6
PL	13.9	13.5	20.4	25.4	24.2	20.5	21.8	6.3
PT		-	0.5	0.5	0.4	0.4	0.4	5.3
RO	5.1	2.9	1.4	2.2	1.0	1.0	1.0	4.6
SI	-	-	-	-	-	-	-	-
SK		6.1	4.6	5.3	5.0	4.5	5.0	11.0
FI	-	-	-	-	-	-	-	-
SE	-	-	-	-	-	-	-	-
UK	11.1	11.1	11.4	10.8	10.2	10.0	10.0	-0.4
AL	-	-	-	-	-	-	-	-
ME	-	-	-	-	-	-	-	-
MK	-	-	-	0.1	0.1	-	-	-
RS	-	-	-	-	0.4	0.4	0.4	14.1
TR		3.2	53.1	5.7	39.6	15.3	52.5	242.5
IS	-	-	-	-	-	-	-	-
NO	2.1	5.3	3.5	4.6	3.5	2.8	3.4	18.7
CH	1.2	1.2	0.2	0.2	0.2	0.2	-	-

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

2.2.8

PERFORMANCE BY MODE OF TRANSPORT: FREIGHT

	billion tkm				
	ROAD	RAIL	INLAND 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
2005	3 581.8	2 530.6	476.4	1 263.9	7 852.7
2006	3 512.4	2 709.6	486.0	1 256.7	7 964.7
2007	3 643.8	2 656.6	472.3	1 249.5	8 022.2
2008	4 018.8	2 525.4	454.3	1 432.7	8 431.2
2009	3 576.2	2 309.8	406.6	1 383.0	7 675.6
2010	3 668.1	2 491.5	450.5	1 395.7	8 005.8
2011	3 859.5	2 524.7	464.7	1 486.3	8 335.1
2012	3 657.2	2 500.3	461.9	1 366.5	7 986.0
2013	3 810.5	2 541.4	438.3	1 305.2	8 095.3
2014	3 810.5	2 702.7	483.0	1 305.2	8 301.5

AVERAGE ANNUAL CHANGE

	% PER YEAR				
	ROAD	RAIL	INLAND 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	5.2	1.3	3.1	6.5	4.1
2012	-5.2	-1.0	-0.6	-8.1	-4.2
2013	4.2	1.6	-5.1	-4.5	1.4
2014	0.0	6.4	10.2	0.0	2.5
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
2011–2014	-0.4	2.3	1.3	-4.2	-0.1

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

2.2.8

USA

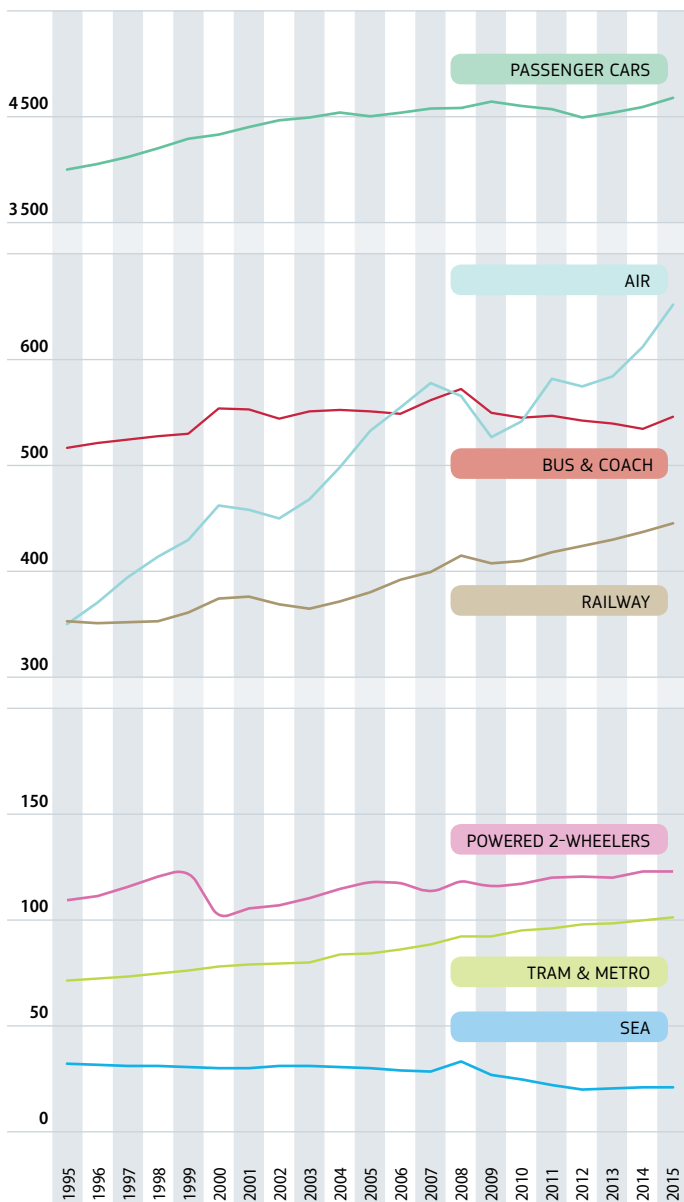
MODAL SPLIT – FREIGHT TRANSPORT

	%			
	ROAD	RAIL	INLAND 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	46.3	30.3	5.6	17.8
2012	45.8	31.3	5.8	17.1
2013	47.1	31.4	5.4	16.1
2014	45.9	32.6	5.8	15.7

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

EU-28 Performance for Passenger Transport 1995-2015 – BY MODE

billion passenger-kilometres (pkm)



2.3.2

EU-28 Performance BY MODE

PASSENGER TRANSPORT

	billion pkm							
	PASSEN- GER CARS	P2W	BUS & COACH	RAILWAY	TRAM & METRO	AIR	SEA	TOTAL
1995	3 904	112	515	350	74	348	31	5 334
2000	4 301	104	551	372	80	460	29	5 896
2005	4 508	120	549	377	86	530	29	6 199
2006	4 549	120	546	389	88	552	28	6 273
2007	4 597	115	559	396	90	575	28	6 361
2008	4 603	121	569	412	94	563	32	6 392
2009	4 675	118	547	405	93	524	27	6 389
2010	4 625	120	542	407	96	539	25	6 353
2011	4 590	122	544	415	97	579	22	6 371
2012	4 496	122	540	421	99	572	21	6 271
2013	4 548	122	537	427	99	581	21	6 336
2014	4 615	125	532	434	101	609	22	6 437
2015	4 719	125	543	442	102	649	22	6 602
'95/'15	20.9 %	11.1 %	5.6 %	26.1 %	38.9 %	86.5 %	-29.7 %	23.8 %
/year	1.0 %	0.5 %	0.3 %	1.2 %	1.7 %	3.2 %	-1.7 %	1.1 %
'00/'15	9.7 %	19.6 %	-1.4 %	18.9 %	27.8 %	41.2 %	-25.1 %	12.0 %
/year	0.6 %	1.2 %	-0.1 %	1.2 %	1.6 %	2.3 %	-1.9 %	0.8 %
'14/'15	2.3 %	-0.0 %	2.1 %	1.9 %	1.7 %	6.5 %	0.3 %	2.6 %

MODAL SPLIT

	%						
	PASSEN- GER CARS	P2W	BUS & COACH	RAILWAY	TRAM & METRO	AIR	SEA
1995	73.2	2.1	9.6	6.6	1.4	6.5	0.6
2000	72.9	1.8	9.3	6.3	1.4	7.8	0.5
2005	72.7	1.9	8.8	6.1	1.4	8.5	0.5
2006	72.5	1.9	8.7	6.2	1.4	8.8	0.4
2007	72.3	1.8	8.8	6.2	1.4	9.0	0.4
2008	72.0	1.9	8.9	6.4	1.5	8.8	0.5
2009	73.2	1.8	8.6	6.3	1.5	8.2	0.4
2010	72.8	1.9	8.5	6.4	1.5	8.5	0.4
2011	72.1	1.9	8.5	6.5	1.5	9.1	0.4
2012	71.7	2.0	8.6	6.7	1.6	9.1	0.3
2013	71.8	1.9	8.5	6.7	1.6	9.2	0.3
2014	71.7	1.9	8.3	6.7	1.6	9.5	0.3
2015	71.5	1.9	8.2	6.7	1.6	9.8	0.3

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

Modal Split of Passenger Transport 2.3.3 on Land 2015 – BY COUNTRY

	pkm as %			
	PASSENGER CARS	BUSES & COACHES	RAILWAYS	TRAM & METRO
EU-28	81.3	9.4	7.6	1.8
BE	80.0	11.3	7.7	0.9
BG	79.3	17.5	2.2	1.0
CZ	67.1	15.6	7.8	9.5
DK	80.5	9.8	9.3	0.4
DE	84.3	5.9	8.3	1.5
EE	77.4	19.7	1.8	1.1
IE	80.1	16.6	3.0	0.3
EL	80.3	17.3	1.0	1.4
ES	79.9	11.7	6.6	1.8
FR	80.5	7.8	9.9	1.8
HR	84.3	10.8	3.0	1.9
IT	80.7	12.2	6.2	0.8
CY	81.3	18.7	-	-
LV	81.7	14.0	3.6	0.8
LT	89.2	9.9	0.9	-
LU	82.9	12.4	4.7	-
HU	65.8	21.5	9.2	3.6
MT	82.3	17.7	-	-
NL	85.7	3.0	10.8	0.6
AT	72.6	9.5	11.2	6.7
PL	77.3	14.5	6.6	1.6
PT	88.5	6.3	4.1	1.1
RO	74.8	14.5	4.3	6.3
SI	86.1	11.8	2.1	-
SK	75.3	14.7	9.3	0.7
FI	84.5	9.6	5.2	0.7
SE	81.7	7.2	9.3	1.8
UK	84.5	5.2	8.5	1.7
AL	88.2	11.7	0.1	-
ME	95.5	2.6	1.9	-
MK	83.1	14.8	2.1	-
RS	73.6	24.0	1.3	1.1
TR				
IS	88.6	11.4	-	-
NO	88.4	5.6	4.9	1.1
CH	76.8	5.1	17.1	1.0

Note: If powered two-wheelers are included, they account for 2.10% of the total in EU-28, while the share of the other modes becomes:

EU-28	79.6	9.2	7.4	1.7
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2.3.4

Passenger Cars

	billion pkm							%
	1990	1995	2000	2005	2010	2014	2015	CHANGE '14/'15
EU-28		3 904.4	4 300.9	4 508.4	4 625.0	4 615.1	4 719.4	2.3
BE	89.5	96.4	102.5	102.8	109.4	108.2	107.1	-1.0
BG		25.0	26.9	35.1	46.9	54.0	56.8	5.4
CZ		54.5	63.9	68.6	63.6	66.3	69.7	5.2
DK	47.2	48.4	50.6	49.8	51.7	54.2	56.5	4.3
DE	683.1	815.3	831.3	856.9	887.0	916.4	928.3	1.3
EE		5.1	6.7	9.9	10.1	11.9	12.3	4.0
IE	28.5	31.6	34.6	44.4	48.1	47.2	51.9	10.0
EL	35.0	44.0	63.0	85.0	99.6	96.9	98.3	1.5
ES	174.4	250.4	302.6	337.8	341.6	308.7	317.6	2.9
FR	592.5	641.2	687.7	704.6	695.9	706.9	724.1	2.4
HR		12.5	20.0	24.0	25.7	26.1	26.4	1.3
IT	522.6	614.7	713.9	677.0	698.4	642.9	679.4	5.7
CY		3.4	3.9	4.8	5.9	6.1	6.2	2.4
LV		7.5	11.5	12.1	12.3	12.6	13.5	7.3
LT		16.0	26.0	34.8	32.6	24.3	24.9	2.2
LU	4.0	4.7	5.6	6.3	6.5	7.1	7.3	2.6
HU	47.0	45.4	46.2	49.4	52.6	52.7	54.6	3.6
MT		1.7	1.8	2.0	2.2	2.4	2.5	3.8
NL	137.3	131.4	141.1	148.8	144.2	145.0	139.3	-3.9
AT	55.7	62.2	66.7	70.6	73.5	76.6	78.3	2.3
PL		110.7	130.1	152.3	188.8	197.0	200.6	1.8
PT	40.0	52.5	71.0	85.0	83.7	83.3	84.5	1.4
RO		40.0	51.0	61.0	75.5	85.2	89.9	5.5
SI	13.3	16.3	20.3	22.5	25.6	25.6	26.0	1.4
SK		18.0	23.9	25.8	26.9	27.3	27.5	1.0
FI	51.2	50.0	55.7	61.9	64.7	65.5	66.3	1.2
SE	85.9	87.6	103.7	108.0	108.0	110.3	111.9	1.4
UK	588.0	617.9	638.6	667.2	644.0	654.4	657.6	0.5
AL		4.8	5.1	6.6	5.5	8.5	9.1	7.2
ME					4.1	4.0	4.1	1.5
MK			4.8	4.0	4.7	6.8	7.0	3.2
RS					30.6	27.9	28.6	2.5
TR	34.3	52.7	79.0	100.0	137.9	182.2	199.9	9.7
IS		3.0	3.8	4.6	5.0	5.2	5.6	7.3
NO	43.5	44.7	51.2	54.0	58.8	63.5	64.7	1.9
CH	73.3	69.6	75.0	77.8	83.8	89.7	91.0	1.5

Notes: Data is not harmonised and therefore not fully comparable. 2015 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: 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 & Coaches

2.3.5

	billion pkm							%
	1990	1995	2000	2005	2010	2014	2015	CHANGE '14/'15
EU-28		<i>514.7</i>	<i>551.2</i>	<i>548.6</i>	<i>542.3</i>	<i>532.4</i>	<i>543.5</i>	<i>2.1</i>
BE	11.4	13.1	13.3	17.5	17.4	15.8	15.2	-3.9
BG	26.0	11.6	14.6	13.7	10.6	11.5	12.5	9.0
CZ		18.6	16.2	15.6	17.0	16.7	16.3	-2.8
DK	6.4	7.3	7.4	7.2	6.8	6.6	6.9	4.5
DE	73.1	68.5	69.0	67.1	61.8	62.2	65.1	4.7
EE	4.5	2.0	2.6	2.7	2.1	2.4	3.1	31.5
IE	3.9	5.2	7.0	7.9	8.5	10.2	10.8	5.6
EL	17.7	20.2	21.7	21.7	21.1	21.0	21.1	0.7
ES	33.4	39.6	50.3	53.2	50.9	39.5	46.4	17.5
FR	52.3	53.2	55.8	56.5	66.6	69.2	70.3	1.6
HR	7.0	4.1	3.3	3.4	3.2	3.6	3.4	-7.4
IT	84.0	87.1	93.4	101.0	102.2	102.8	103.1	0.2
CY		1.0	1.1	1.3	1.3	1.3	1.4	6.0
LV	5.9	1.8	2.3	2.9	2.3	2.3	2.3	-0.7
LT	7.9	4.2	2.8	3.7	2.7	3.0	2.7	-7.7
LU	0.5	0.5	0.6	0.8	0.9	1.0	1.1	5.3
HU	19.3	16.6	18.7	17.8	16.5	17.6	17.8	1.0
MT		0.4	0.5	0.5	0.5	0.5	0.5	9.8
NL	13.0	12.0	4.6	4.8	4.8	4.5	4.9	7.4
AT	8.2	9.0	9.5	9.7	10.0	10.1	10.3	1.6
PL	46.3	34.0	59.2	49.2	41.7	39.2	37.6	-4.0
PT	10.3	11.3	11.8	6.4	6.1	5.7	6.0	6.9
RO	24.0	12.3	7.7	11.8	15.8	18.3	17.5	-4.7
SI	6.5	4.1	3.5	3.1	3.2	3.4	3.6	3.7
SK		14.4	9.3	8.5	5.3	5.4	5.4	0.3
FI	8.5	8.0	7.7	7.5	7.5	7.5	7.5	0.0
SE	9.7	9.7	9.2	9.3	9.4	9.7	9.8	1.4
UK	47.1	44.8	48.0	44.0	46.2	41.1	40.8	-0.7
AL	2.2	0.2	0.2	0.3	2.4	1.1	1.2	7.1
ME					0.1	0.1	0.1	1.5
MK		0.9	0.9	1.1	1.4	1.2	1.2	3.3
RS					9.4	8.9	9.3	5.1
TR		85.7	87.4	95.0	89.1	93.9	90.8	-3.3
IS		0.4	0.5	0.6	0.6	0.7	0.7	7.1
NO	3.9	3.8	4.1	4.3	4.5	3.8	4.1	7.8
CH	3.3	5.5	4.8	5.3	5.5	5.9	6.0	2.6

Notes: 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: includes tram transport activity at province level, and tram transport in the ile de France until 2000. It also includes occasional bus transport in the territory of France performed by foreign buses. AT: the times 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. NL: the time series from 2010 estimates the share of bus transport over the aggregate 'bus/tram/metro' published in the OViN Travel Survey. Previous years' estimates have been retrofitted until 2010.

2.3.6

Tram & Metro

	billion pkm							%
	1990	1995	2000	2005	2010	2014	2015	CHANGE '14/'15
EU-28		73.7	80.1	86.1	96.1	100.6	102.4	1.7
BE	0.7	0.8	0.9	0.9	1.1	1.2	1.2	1.2
BG	0.6	0.3	0.4	0.4	0.9	0.7	0.7	1.6
CZ		7.7	8.1	7.9	9.0	9.6	9.8	2.9
DK	-	-	-	0.2	0.2	0.3	0.3	2.4
DE	15.1	14.4	14.6	15.5	16.3	16.6	16.9	1.8
EE		0.1	0.1	0.1	0.2	0.2	0.2	-4.3
IE	-	-	-	0.1	0.1	0.2	0.2	12.2
EL	0.8	0.7	1.2	1.5	1.7	1.7	1.7	0.7
ES	4.4	4.3	5.2	6.0	7.6	7.2	7.3	1.7
FR	10.5	9.3	11.6	13.6	15.0	16.1	16.2	0.4
HR		0.5	0.5	0.5	0.5	0.6	0.6	3.9
IT	4.2	5.2	5.6	6.0	7.1	6.6	6.7	1.6
CY	-	-	-	-	-	-	-	-
LV	0.7	0.3	0.3	0.3	0.1	0.1	0.1	-3.0
LT	-	-	-	-	-	-	-	-
LU	-	-	-	-	-	-	-	-
HU		2.5	2.6	2.4	2.5	2.8	2.9	4.5
MT	-	-	-	-	-	-	-	-
NL	1.3	1.4	0.7	0.7	0.9	0.9	0.9	7.4
AT	4.2	5.1	6.0	6.4	6.9	7.0	7.2	2.5
PL		5.0	4.7	4.4	4.3	4.2	4.2	-0.4
PT	0.7	0.5	0.5	0.8	1.1	1.0	1.0	4.4
RO		6.0	6.0	6.6	7.1	8.0	7.6	-4.7
SI	-	-	-	-	-	-	-	-
SK		0.4	0.4	0.4	0.3	0.3	0.3	-2.4
FI	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.4
SE	2.0	1.9	2.0	2.0	2.3	2.4	2.5	2.3
UK	6.5	6.8	8.3	8.7	10.2	12.5	13.2	5.8
AL	-	-	-	-	-	-	-	-
ME	-	-	-	-	-	-	-	-
MK	-	-	-	-	-	-	-	-
RS					0.4	0.5	0.4	-8.4
TR								
IS	-	-	-	-	-	-	-	-
NO	0.4	0.4	0.5	0.5	0.6	0.8	0.8	7.6
CH		1.5	1.4	0.8	1.0	1.1	1.2	2.0

Notes: Data are not harmonised and therefore not fully comparable across countries. Data for 2015 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. NL: the time series from 2010 estimates the share of tram & metro over the aggregate 'bus/tram/metro' published in the OViN Travel Survey. Previous years' estimates have been retrofitted until 2010.

Railways

2.3.7

	billion pkm							%	%
	1990	1995	2000	2005	2010	2014	2015	UNDER PSO (*) 2015	CHANGE '14/'15
EU-28	404.1	350.3	371.5	377.4	406.8	433.8	441.9	66.3	1.9
BE	6.5	6.8	7.7	8.5	10.6	11.0	10.3		-5.8
BG	7.8	4.7	3.5	2.4	2.1	1.7	1.5	94.2	-8.8
CZ	13.3	8.0	7.3	6.7	6.6	7.6	8.1	100.0	6.3
DK	5.1	4.9	5.5	6.0	6.3	6.5	6.5	100.0	-0.1
DE	61.0	71.0	75.4	76.8	83.9	91.0	91.3	59.4	0.3
EE	1.5	0.4	0.3	0.2	0.2	0.3	0.3	100.0	2.1
IE	1.2	1.3	1.4	1.8	1.7	1.7	1.9		11.0
EL	2.0	1.6	1.9	1.9	1.4	1.1	1.3	93.0	17.8
ES	15.5	16.6	20.1	21.2	22.3	25.1	26.2		4.4
FR	63.7	54.2	69.4	76.0	85.6	87.2	89.1	37.7	2.2
HR	3.4	1.1	1.3	1.2	1.7	0.9	0.9	100.0	2.6
IT	44.7	46.7	49.6	50.1	47.2	50.0	52.2	60.2	4.5
CY	-	-	-	-	-	-	-	-	-
LV	5.4	1.4	0.7	0.9	0.7	0.6	0.6	91.8	-8.4
LT	3.6	1.1	0.6	0.3	0.2	0.3	0.3	68.7	-3.0
LU	0.2	0.3	0.3	0.3	0.3	0.4	0.4		14.2
HU	11.4	8.4	9.7	9.9	7.7	7.7	7.6	95.1	-1.7
MT	-	-	-	-	-	-	-	-	-
NL	11.1	16.4	14.7	15.2	16.9	20.0	17.5	100.0	-12.4
AT	8.9	10.1	8.7	8.7	10.3	12.0	12.1	69.1	1.0
PL	50.4	26.6	24.1	17.9	17.5	15.9	17.2	82.2	8.5
PT	5.7	4.8	4.0	3.8	4.1	3.9	4.0		2.7
RO	30.6	18.9	11.6	8.0	5.4	5.0	5.1	100.0	3.6
SI	1.4	0.6	0.7	0.7	0.7	0.6	0.6	94.6	1.3
SK	6.4	4.2	2.9	2.2	2.3	2.6	3.4	99.7	32.1
FI	3.3	3.2	3.4	3.5	4.0	3.9	4.1	97.3	6.2
SE	6.6	6.8	8.2	8.9	11.2	12.1	12.7	49.9	5.1
UK	33.4	30.3	38.4	44.6	55.8	64.7	66.4	96.9	2.6
AL	0.8	0.2	0.1	0.1	0.0	0.0	0.0		-12.5
ME					0.1	0.1	0.1		6.6
MK		0.1	0.1	0.1	0.2	0.1	0.2		121.3
RS	4.5	2.3	1.2	0.7	0.5	0.5	0.5		12.4
TR	6.4	5.8	5.8	5.0	5.5	4.4	4.8		9.9
IS	-	-	-	-	-	-	-	-	-
NO	2.1	2.4	2.6	2.7	3.2	3.4	3.6	44.9	3.3
CH	12.7	11.7	12.6	16.1	19.1	19.9	20.3		1.9

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.

2.3.8

Rail

HIGH-SPEED RAIL TRANSPORT (*)

	billion pkm													EU-28	%
	BE	CZ	DE	ES	FR	IT	NL	PL	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%
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%
2015	0.91	0.25	25.28	14.13	49.98	12.79	1.00	0.47	0.57	0.01	0.57	3.37	4.36	113.67	2.6%

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	PL	PT	SI	FI	SE	UK		
2000	11.2	-	18.5	9.6	49.7	10.3	0.8	-	-	-	2.1	24.8	-	15.9	
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	1.7	-	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	1.7	-	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	1.8	-	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	1.9	-	12.7	1.6	18.7	25.8	7.0	26.2	
2014	8.3	3.2	27.2	50.9	58.4	25.6	1.2	-	14.0	1.3	16.8	26.6	6.7	25.5	
2015	8.8	3.0	27.7	53.8	56.1	24.5	5.7	2.7	14.4	1.0	13.9	26.4	6.6	25.7	

USA

2.3.9

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	40.7	517.7	23.0	949.0	7 501.3
2014	6 005.9	34.6	40.3	546.1	23.0	978.1	7 628.0
2015	6 161.1	34.0	40.0	554.0	23.0	1 033.0	7 845.1

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	4.2	2.6	5.1	1.6	0.8
2014	1.2	-1.9	-1.1	5.5	-0.2	3.1	1.7
2015	2.6	-1.8	-0.6	1.4	0.0	5.6	2.8
'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/'15	-0.2	2.1	1.7	0.6	1.9	1.4	0.1

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	85.0	0.3	0.4	3.5	0.2	10.6
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
2015	78.5	0.4	0.5	7.1	0.3	13.2

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

2.4

2.4.1

 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	26.3	184.8	400.7	579.4	1716.7	44.3	541.2	1026.4	5433.0	2173.6	194.5	3453.6	48.7	160.2
BG	178.9	161.8	234.9	74.8	1404.6	26.3	30.2	101.4	282.7	203.8	0.5	416.6	79.2	25.2
CZ	399.1	235.9	107.8	223.6	1140.8	0.0	199.0	697.2	699.1	877.5	58.7	975.6	22.4	39.8
DK	579.4	69.7	222.6	1924.8	2921.1	103.6	315.7	830.8	2501.4	1383.6	130.9	1357.6	52.3	178.1
DE	1700.5	1426.0	1104.3	2906.7	23156.9	347.6	1842.4	5294.8	24855.3	7144.2	1580.1	12383.1	244.1	763.1
EE	44.1	26.5	0.0	103.3	350.0	19.6	14.0	35.3	68.0	58.4	7.0	67.5	4.5	185.4
IE	539.5	31.0	198.8	315.6	1850.0	13.9	71.2	89.9	3425.3	1904.4	99.8	1233.4		127.8
EL	1055.4	103.4	696.0	835.6	5308.7	33.9	89.1	7482.0	457.8	2302.3	25.9	2940.5	1336.3	65.3
ES	5445.9	282.8	700.0	2523.3	25150.6	68.0	3439.5	461.3	30881.1	12234.3	218.3	11844.2	6.5	92.4
FR	1956.6	193.7	853.7	1284.2	7248.3	57.8	1819.3	2102.9	10920.0	28169.9	466.8	10499.9	61.3	157.3
HR	185.4	0.3	58.9	130.8	1533.1	5.7	100.0	32.3	218.8	508.9	466.7	258.3	0.0	7.3
IT	3489.1	415.9	973.1	1364.1	12414.7	68.0	1230.5	2927.4	11790.8	10910.4	245.5	29656.6	79.5	185.9
CY	48.3	79.2	17.8	52.2	245.4	4.5	0.0	1360.5	6.5	90.4	0.1	79.9	0.0	13.2
LV	160.2	25.4	39.7	177.4	768.1	186.3	127.8	66.7	92.2	158.5	13.5	186.0	13.3	0.2
LT	102.3	29.5	1.7	253.5	411.7	45.4	175.1	92.6	225.0	103.0	0.2	285.4	42.2	192.0
LU	0.6	22.6	0.0	78.8	374.9	0.0	29.3	58.2	341.0	144.8	3.4	217.9	0.3	0.0
HU	491.8	21.3	61.7	192.6	1498.9	0.0	195.6	255.0	503.9	547.0	2.5	924.2	47.2	15.9
MT	103.1	37.3	13.9	65.6	617.2	1.7	76.9	28.1	138.9	278.6	3.6	927.1	24.5	5.8
NL	227.8	202.4	547.1	1490.5	4038.7	80.3	902.1	1405.1	6268.4	3162.6	236.4	4278.8	59.7	159.4
AT	419.3	414.1	149.2	365.1	6807.1	25.7	120.6	917.3	1511.2	1018.1	284.5	1229.1	235.2	89.6
PL	710.3	329.2	180.8	563.4	3633.1	36.2	964.7	1206.4	1644.3	1164.6	29.1	1629.0	134.0	86.9
PT	1292.9	0.8	114.2	253.2	3831.4	2.3	835.1	2.7	3262.0	5236.2	28.3	1572.0	0.1	2.5
RO	485.9	35.1	79.3	32.4	1823.3		131.7	290.2	1171.2	773.0	0.1	2463.2	126.7	8.4
SI	103.3	0.2	12.3	22.1	233.1		0.0	60.8	1.2	73.5	0.1	1.5	1.7	0.1
SK	57.6	66.8	52.3	0.0	20.2	0.0	124.8	173.6	144.5	35.6	1.8	244.4	2.8	0.2
FI	185.1	39.2	221.5	788.5	1693.4	231.4	61.4	393.2	1367.2	589.6	125.3	553.8	34.0	270.6
SE	488.4	65.1	210.6	1847.3	3025.9	106.8	85.3	1057.0	2936.1	1124.2	238.9	758.0	201.5	213.7
UK	1591.7	1126.6	1746.6	3375.9	13276.6	147.2	11523.9	6096.3	35726.7	11942.9	1058.7	12703.8	2408.9	718.4

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

2.4.1

2015

INCLUDING DOMESTIC FLIGHTS (1 000)

LT	LU	HU	MT	NL	AT	PL	PT	RO	SI	SK	FI	SE	UK
103.1	0.8	494.3	101.5	241.3	421.9	704.8	1 295.2	485.7	103.2	59.1	186.6	488.1	1 608.3
29.4	21.9	24.9	37.7	196.6	414.5	339.5	0.5	50.3	0.2	84.9	39.8	64.3	1 067.7
1.7	0.1	62.5	14.1	547.7	151.0	183.9	107.8	79.3	12.3	75.6	222.6	205.3	1 744.5
254.4	79.4	192.6	66.5	1 489.6	366.9	564.4	250.9	32.6	22.1	0.0	792.3	1 885.2	3 374.0
410.8	371.6	1 503.0	616.8	4 020.8	6 793.1	3 608.3	3 789.8	1 890.0	232.5	20.2	1 693.2	3 052.5	13 302.0
44.7			1.6	80.3	25.8	36.2	2.1		0.2	0.1	212.0	106.5	148.5
179.5	29.3	195.5	77.6	905.8	121.1	976.8	834.0	131.2		127.1	61.8	85.3	11 555.1
92.3	60.2	261.7	30.2	1 493.9	919.1	1 300.3	2.6	314.6	74.5	180.3	395.3	1 069.5	6 119.6
227.9	351.1	505.8	140.4	6 308.4	1 484.2	1 688.1	3 207.6	1 185.9	1.5	146.1	1 387.4	3 070.7	35 995.1
102.9	145.1	547.1	276.4	3 149.9	1 016.9	1 108.1	4 721.5	733.7	73.2	34.2	588.4	1 112.6	10 734.3
0.2	3.7	0.2	3.6	237.9	280.1	35.0	29.5	0.0	0.1	1.3	124.1	214.5	1 027.4
286.9	220.4	929.5	932.3	4 288.2	1 230.1	1 616.0	1 568.3	2 538.1	1.5	245.9	558.9	757.9	12 709.0
42.9	0.3	48.3	24.8	59.5	235.4	133.8	0.0	126.8	0.0	2.9	35.4	208.2	2 428.7
194.3	0.0	16.0	5.8	159.3	89.6	87.1	2.6	10.1	0.1	2.0	270.5	214.6	726.1
0.3	0.0	0.045	22.8	98.0	52.5	101.1	3.7	0.2	0.0	0.0	82.8	106.3	826.8
0.004	1.0	0.0	2.8	147.7	94.4	0.1	344.1	0.0	0.0	0.1	1.2	22.7	394.7
0.0	0.0	0.0	60.8	596.1	105.1	197.2	97.8	87.0	0.1	0.3	219.7	336.0	1 634.7
22.9	3.2	60.2	0.3	129.7	108.8	103.6	2.5	35.4	4.4	3.4	19.0	87.5	1 285.4
99.0	148.5	627.5	130.1	1.5	824.4	911.3	1 681.3	482.1	23.6	0.2	524.8	1 161.5	9 490.8
52.7	95.0	105.0	109.2	852.7	529.6	277.8	183.9	462.5	63.7	59.4	173.1	330.7	1 776.5
102.0	0.1	197.3	104.6	903.4	278.4	1 586.8	211.3	109.0	15.6	1.1	242.1	883.8	6 260.1
3.7	350.5	96.4	2.4	1 695.6	185.7	222.0	3 660.9	57.8	0.3	0.6	116.8	205.0	6 657.5
		87.3	35.6	480.4	459.0	108.3	57.6	506.2		0.4	0.1	96.5	1 507.8
		0.7	3.9	23.7	63.8	15.4	0.3	0.0		0.0	32.5	6.1	157.2
0.0	0.2	0.4	3.4	0.1	59.1	0.5	0.1	0.2	0.0	21.6	0.1	0.5	588.1
82.8	1.2	218.4	19.1	522.3	172.8	240.7	112.5	0.8	32.3	0.2	2 599.1	1 658.6	1 144.8
107.1	23.1	337.7	88.4	1 035.7	348.3	936.8	201.2	96.8	5.7	0.5	1 651.7	7 446.2	2 681.8
835.8	395.2	1 736.7	1 289.2	9 454.5	1 778.8	6 164.0	6 589.4	1 552.8	163.7	653.4	1 151.2	2 674.2	22 828.2

2.4.2

Air

MAJOR EUROPEAN AIRLINES

DOMESTIC + INTERNATIONAL

RANKING	BILLION REVENUE PASSENGER-KILOMETRES						%	
	AIRLINE		2000	2005	2010	2014		2015
1	Lufthansa	DE	92.160	108.185	129.668	156.826	146.317	-6.7
2	Air France ⁽¹⁾	FR	91.848	115.163	125.165	136.475	142.487	4.4
3	British Airways	UK	119.385	107.892	106.082	138.431	142.016	2.6
4	THY Turkish Airlines	TR	17.396	21.318	47.950	106.913	119.372	11.7
5	Ryanair ⁽²⁾	IE	4.772	31.205	72.149	103.733	113.184	9.1
6	KLM Royal Dutch Airlines ⁽¹⁾	NL	60.336	68.322	76.065	91.477	93.228	1.9
7	Easyjet ⁽³⁾	UK	3.926	27.448	56.128	72.933	77.619	6.4
8	Iberia	ES	40.049	49.060	51.242	42.686	48.564	13.8
9	Air Berlin	DE	7.813	20.527	46.960	49.270	47.010	-4.6
10	Norwegian	NO		2.703	13.774	37.615	42.284	12.4
11	SWISS Intern. Airlines	CH	3.481	21.164	29.522	35.717	40.047	12.1
12	Virgin Atlantic Airways	UK	31.315	32.118	38.158	37.664	37.157	-1.3
13	Alitalia	IT	40.846	37.969	33.344	34.511	34.397	-0.3
14	SAS Scandinavian Airlines	SE/ DK/ NO	22.922	27.724	23.497	34.594	33.780	-2.4
15	Thomson Airways	UK	20.300	23.337	32.714	31.652	33.395	5.5
16	TAP Portugal	PT	10.414	14.536	23.651	30.119	29.552	-1.9
17	Condor	DE		22.245	19.888	25.916	27.903	7.7
18	Finnair	FI	12.587	16.735	19.222	24.772	25.592	3.3
19	Wizz Air	HU		5.123	12.278	20.867	25.351	21.5
20	Vueling	ES		1.661	9.932	21.445	24.775	15.5
21	Air Europa	ES	8.831	13.442	17.180	21.980	22.502	2.4
22	Thomas Cook Airlines	UK	14.292	14.220	27.385	20.696	22.460	8.5
23	Pegasus	TR			10.662	18.299	21.223	16.0
24	TUIfly	DE		18.626	10.708	18.500	19.000	2.7
25	Austrian Airlines	AT	17.967	22.894	17.494	18.428	18.190	-1.3
26	Aer Lingus	IE	8.808	12.563	13.895	16.088	17.531	9.0
27	Eurowings ⁽⁵⁾	DE		4.519	6.966	13.033	15.870	21.8
28	Transavia Airlines	NL	7.921	8.726	10.644	12.755	12.800	0.4
29	Jet2	UK		3.105	6.219	12.255	12.222	-0.3
30	SunExpress	TR	1.969	3.938	10.840	10.107	12.210	20.8
31	Monarch	UK	13.658	13.549	15.127	15.705	12.122	-22.8
32	SN Brussels Airlines	BE	3.418	4.559	7.313	10.756	11.833	10.0

Notes: Scheduled and non-scheduled flights.

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

⁽²⁾ Ryanair: year up to 30 March of the following year.

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

⁽⁴⁾ Air One merged with Alitalia at the end of 2008.

⁽⁵⁾ Germanwings merged with Eurowings in 2015.

Data up to 2014 are revenue passenger-kilometres for Germanwings.

Air – PASSENGER TRAFFIC AT MAJOR EU AIRPORTS

2.4.3

PASSENGERS CARRIED (*)

RANKING	AIRPORT AND COUNTRY		(arriving + departing + in transit) MILLION PASSENGERS					% CHANGE '14/'15
			2000	2005	2010	2014	2015	
1	London/Heathrow	UK	64.29	67.68	65.74	73.37	74.95	2.16
2	Paris/Charles de Gaulle	FR	<i>49.67</i>	53.38	57.95	63.65	65.70	3.22
3	Frankfurt (Main)	DE	48.96	51.79	52.65	59.41	60.89	2.48
4	Amsterdam/Schiphol	NL	<i>39.27</i>	44.08	45.15	54.96	58.17	5.84
5	Madrid/Barajas	ES	32.71	41.72	49.80	41.54	46.30	11.45
6	München	DE	<i>22.87</i>	28.45	34.52	39.57	40.86	3.26
7	London/Gatwick	UK	31.95	32.69	31.34	38.09	40.26	5.69
8	Roma/Fiumicino	IT	<i>25.94</i>	27.78	35.95	38.24	40.23	5.19
9	Barcelona/El Prat	ES	19.44	27.02	29.18	37.42	39.42	5.37
10	Paris/Orly	FR	<i>23.83</i>	24.85	25.16	28.84	29.66	2.85
11	København/Kastrup	DK	<i>18.11</i>	19.82	21.39	25.53	26.51	3.84
12	Dublin	IE	<i>13.66</i>	18.33	18.41	21.69	24.92	14.93
13	Palma de Mallorca	ES	19.25	21.22	21.08	23.08	23.72	2.77
14	Brussel-Bruxelles/Brussels	BE	<i>21.60</i>	15.95	16.98	21.75	23.27	6.97
15	Stockholm/Arlanda	SE	<i>18.61</i>	17.16	16.96	22.43	23.15	3.25
16	Manchester	UK	<i>18.32</i>	22.08	17.66	21.95	23.09	5.21
17	Wien/Schwechat	AT	11.92	15.80	19.62	22.47	22.74	1.19
18	London/Stansted	UK	<i>11.86</i>	21.99	18.56	19.93	22.51	12.94
19	Düsseldorf	DE	15.91	15.39	18.91	21.82	22.45	2.89
20	Berlin/Tegel	DE	<i>10.24</i>	11.47	14.97	20.67	20.99	1.58
21	Lisboa	PT	<i>9.21</i>	11.24	14.05	18.16	20.11	10.75
22	Milano/Malpensa	IT	<i>20.55</i>	19.49	18.71	18.66	18.44	-1.17
23	Athinai/Eleftherios Venizelos	EL	<i>13.35</i>	14.27	15.30	15.19	18.09	19.09
24	Helsinki/Vantaa	FI	<i>10.00</i>	11.13	12.86	15.94	16.42	2.97
25	Hamburg	DE	9.82	10.57	12.88	14.74	15.58	5.72
26	Malaga	ES	<i>9.36</i>	12.61	12.02	13.70	14.36	4.84
27	London/Luton	UK	<i>6.16</i>	9.13	8.73	10.48	12.26	16.99
28	Nice/Côte d'Azur	FR	<i>9.33</i>	9.74	9.59	11.66	12.01	3.07
29	Praha/Ruzyne	CZ	5.55	10.72	11.51	11.13	11.87	6.63
30	Warszawa/Chopina	PL	<i>4.33</i>	7.08	8.73	10.60	11.22	5.82
31	Edinburgh	UK	5.37	8.45	8.59	10.16	11.11	9.39
32	Alicante	ES	<i>5.98</i>	8.93	9.37	10.05	10.56	5.06
33	Stuttgart	DE	7.98	9.25	9.14	9.69	10.49	8.23
34	LasPalmas/GranCanaria	ES	<i>9.12</i>	9.69	9.28	10.11	10.44	3.26
35	Bergamo/OrioalSerio	IT	<i>1.24</i>	4.29	7.66	8.74	10.40	18.90
36	Köln-Bonn	DE	<i>6.19</i>	9.39	9.79	9.42	10.31	9.51
37	Budapest/Ferihegy	HU	<i>4.68</i>	7.92	8.17	9.05	10.23	12.96
38	Birmingham	UK	<i>7.49</i>	9.31	8.56	9.69	10.18	5.05
39	Milano/Linate	IT	<i>6.02</i>	9.09	8.30	8.98	9.64	7.28
40	Bucuresti	RO		2.98	4.92	8.28	9.27	11.96

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*.

2.4.4a Air – MAIN INTRA-EU AIRPORT PAIRS IN PASSENGER TRANSPORT

TOTAL PASSENGERS CARRIED

RANKING	(arriving + departing from first named airport)	1 000				%
		2005	2010	2014	2015	CHANGE '14/'15
	AIRPORT PAIRS					
1	Toulouse/Blagnac - Paris/Orly	2 327.1	2 193.7	2 330.9	2 318.1	-0.5%
2	Madrid/Barajas - Barcelona	4 358.3	3 083.8	2 204.8	2 251.7	2.1%
3	Nice/Côte d'Azur - Paris/Orly	2 262.9	2 104.6	2 072.1	2 113.3	2.0%
4	Catania/Fontanarossa - Roma/Fiumicino	1 368.7	1 717.8	1 869.9	1 987.7	6.3%
5	München - Berlin/Tegel	1 419.2	1 580.0	1 868.9	1 975.2	5.7%
6	Berlin/Tegel - Frankfurt (Main)	1 545.6	1 609.4	1 791.8	1 906.3	6.4%
7	München - Hamburg	1 450.5	1 653.0	1 757.0	1 811.0	3.1%
8	Dublin - London/Heathrow	2 086.3	1 491.3	1 651.0	1 683.1	1.9%
9	Thessaloniki - Athinaí/Eleftherios Venizelos	1 113.5	1 183.1	1 303.0	1 646.4	26.4%
10	London/Heathrow - Amsterdam/Schiphol	1 895.0	1 332.9	1 486.8	1 587.6	6.8%
11	Palma De Mallorca - Barcelona	1 689.3	1 532.5	1 410.2	1 576.1	11.8%
12	München - Düsseldorf	1 381.5	1 533.4	1 527.1	1 552.2	1.6%
13	London/Heathrow - Frankfurt (Main)	1 530.4	1 266.1	1 506.8	1 531.0	1.6%
14	Roma/Fiumicino - Palermo/Punta Raisi	1 111.2	1 418.6	1 482.0	1 481.1	-0.1%
15	København/Kastrup - Stockholm/Arlanda	1 194.1	1 166.0	1 444.4	1 458.4	1.0%
16	Palma de Mallorca - Madrid/Barajas	1 641.5	1 698.9	1 283.4	1 411.2	10.0%
17	Edinburgh - London/Heathrow	1 659.5	1 241.2	1 473.3	1 384.3	-6.0%
18	Milano/Linate - Roma/Fiumicino	2 414.6	1 522.8	1 453.6	1 366.5	-6.0%
19	Frankfurt (Main) - Hamburg	1 288.3	1 480.6	1 343.9	1 360.5	1.2%
20	Barcelona - London/Gatwick	556.1	376.7	1 274.1	1 354.2	6.3%
21	London/Heathrow - Madrid/Barajas	1 118.9	1 093.4	1 274.7	1 321.6	3.7%
22	Las Palmas/Gran Canaria - Madrid/Barajas	1 388.1	1 553.7	1 181.4	1 305.7	10.5%
23	Köln-Bonn - Berlin/Tegel	916.6	1 026.9	1 321.3	1 258.9	-4.7%
24	London/Heathrow - Paris/Charles de Gaulle	2 011.1	1 300.1	1 247.8	1 253.1	0.4%
25	Barcelona - Paris/Charles de Gaulle	876.3	860.8	1 138.7	1 231.4	8.1%
26	London/Heathrow - München	918.8	975.4	1 178.4	1 230.7	4.4%
27	Palma De Mallorca - Düsseldorf	980.5	911.9	1 172.3	1 214.0	3.6%
28	Barcelona - Amsterdam/Schiphol	1 108.0	1 066.1	1 219.8	1 204.8	-1.2%
29	Barcelona - Roma/Fiumicino	595.5	688.5	990.8	1 190.6	20.2%
30	Wien/Schwechat - Frankfurt (Main)	675.9	952.0	1 349.6	1 178.4	-12.7%
31	Lisboa - Madrid/Barajas	742.3	1 172.0	1 028.2	1 175.2	14.3%
32	Madrid/Barajas - Paris/Orly	964.3	1 105.9	1 023.3	1 169.1	14.2%
33	Paris/Orly - Ponte-à-Pitre (Guadeloupe)/ Pôle Caraïbes	983.3	1 036.0	1 127.3	1 165.6	3.4%
34	Tenerife Norte - Madrid/Barajas	1 359.4	1 319.7	1 094.8	1 149.5	5.0%
35	Paris/Charles de Gaulle - Amsterdam/ Schiphol	1 035.6	985.4	1 156.0	1 144.3	-1.0%
36	Paris/Charles de Gaulle - Roma/Fiumicino	1 238.4	1 191.2	1 132.3	1 143.8	1.0%
37	Frankfurt (Main) - München	1 303.1	958.4	1 095.4	1 142.0	4.3%
38	Amsterdam/Schiphol - Roma/Fiumicino	681.3	810.9	1 028.9	1 139.7	10.8%
39	Düsseldorf - Berlin/Tegel	657.8	930.2	1 113.2	1 114.6	0.1%
40	Dublin - London/Gatwick	626.3	842.7	993.9	1 086.9	9.4%

Air – MAIN CONNECTIONS BETWEEN EU & NON-EU AIRPORTS IN PASSENGER TRANSPORT

TOTAL PASSENGERS CARRIED

RANKING	(arriving + departing from first named airport)	1 000				%
		2005	2010	2014	2015	CHANGE '14/'15
	AIRPORT PAIRS					
1	London/Heathrow - New York/J.F. Kennedy Intl, NY, USA	2 940	2 517	2 973	3 051	2.6%
2	London/Heathrow - Dubai Intl, United Arab Emirates	1 183	1 788	2 438	2 452	0.6%
3	London/Heathrow - Hong Kong Intl, China	1 258	1 386	1 564	1 585	1.3%
4	London/Heathrow - Los Angeles Intl, CA, USA	1 383	1 189	1 355	1 519	12.1%
5	Paris/Charles de Gaulle - New York/J.F. Kennedy Intl, NY, USA	1 730	1 190	1 369	1 503	9.8%
6	København/Kastrup - Oslo/Gardermoen, Norway	1 247	1 132	1 395	1 423	2.0%
7	Stockholm/Arlanda - Oslo/Gardermoen, Norway	937	1 007	1 343	1 336	-0.5%
8	London/Heathrow - Singapore/Changi, Singapore	996	1 022	1 125	1 150	2.2%
9	Paris/Charles de Gaulle - Montreal/Pierre Elliot Trudeau Intl, Canada	929	1 148	1 108	1 147	3.5%
10	Paris/Charles de Gaulle - Dubai Intl, United Arab Emirates	439	716	1 064	1 077	1.3%
11	London/Heathrow - Zürich, Switzerland	905	877	1 049	1 075	2.5%
12	London/Heathrow - Doha/Hamad Intl, Qatar	-	-	683	1 072	57.0%
13	London/Heathrow - Chicago/O'Hare Intl, IL, USA	1 522	1 138	1 160	1 060	-8.7%
14	London/Heathrow - San Francisco Intl, CA, USA	1 005	861	938	1 047	11.7%
15	London/Heathrow - New Delhi/Indira Gandhi Intl, India	384	918	1 068	1 034	-3.2%
16	London/Heathrow - Toronto/Lester B. Pearson Intl, Canada	1 067	941	1 037	1 032	-0.4%
17	London/Heathrow - Miami Intl, FL, USA	878	822	1 008	1 031	2.2%
18	London/Heathrow - Genève/Cointrin, Switzerland	570	859	1 019	1 022	0.3%
19	Düsseldorf - Antalya, Turkey	802	684	909	1 013	11.5%
20	London/Heathrow - Newark/Liberty Intl, NJ, USA	740	1 092	1 168	1 000	-14.4%
21	Berlin/Tegel - Zürich, Switzerland	467	801	955	986	3.3%
22	Wien/Schwechat - Zürich, Switzerland	597	778	951	964	1.3%
23	London/Heathrow - Mumbai/Chhatrapati Shivaji Intl, India	725	957	1 049	950	-9.4%
24	London/Heathrow - Johannesburg Intl, South Africa	995	886	940	939	-0.1%
25	London/Heathrow - Istanbul/Atatürk, Turkey	526	725	925	933	0.9%
26	Paris/Charles de Gaulle - Istanbul/Atatürk, Turkey	415	688	827	921	11.4%
27	Frankfurt (Main) - Dubai Intl, United Arab Emirates	491	679	812	903	11.2%
28	Paris/Orly - Alger, Algeria	640	577	857	891	4.0%
29	London/Heathrow - Washington/Dulles Intl, DC, USA	1 074	921	885	867	-2.1%
30	London/Gatwick - Dubai Intl, United Arab Emirates	483	629	775	867	11.7%
31	Manchester - Dubai Intl, United Arab Emirates	370	566	800	861	7.7%
32	Frankfurt (Main) - Istanbul/Atatürk, Turkey	662	638	822	859	4.4%
33	London/Heathrow - Boston/Gen. E. Lawrence Logan Intl, MA, USA	929	866	891	858	-3.7%
34	London/Gatwick - Genève, Switzerland	643	624	817	845	3.5%
35	London/Heathrow - Abu Dhabi Intl, United Arab Emirates	362	504	643	836	30.1%
36	Paris/Charles de Gaulle - Tel Aviv/Ben Gurion, Israel	608	710	789	786	-0.4%
37	Madrid/Barajas - Bueons Aires/Ezeiza Ministro Pistarini, Argentina	873	858	744	783	5.3%
38	Paris/Charles de Gaulle - Shanghai/Pudong, CN	-	521	719	778	8.3%
39	Amsterdam/Schiphol - Istanbul/Atatürk, Turkey	504	470	629	778	23.7%
40	Amsterdam/Schiphol - Atlanta/Hartfield Jackson Intl, GA, USA	253	345	646	777	20.4%

2.4.5

Air – FREIGHT TRAFFIC AT MAJOR EU AIRPORTS

CARGO AND MAIL LOADED AND UNLOADED

RANKING	1 000 TONNES					% CHANGE '14/'15	
	AIRPORT AND COUNTRY	2000	2005	2010	2014		2015
1	Paris/Charles de Gaulle FR	<i>1 067.0</i>	1 217.8	1 292.5	2 033.2	2 175.8	7.01
2	Frankfurt (Main) DE	1 703.4	1 950.6	2 270.2	2 131.6	2 075.7	-2.62
3	Amsterdam/Schiphol NL	1 222.5	1 495.6	1 538.0	1 670.7	1 655.3	-0.92
4	London/Heathrow UK	1 306.8	1 389.3	1 551.3	1 585.9	1 588.9	0.19
5	Leipzig-Halle DE	13.7	12.3	637.8	904.1	982.5	8.67
6	Köln-Bonn DE	438.3	646.8	638.2	736.4	739.5	0.41
7	Luxembourg LU	499.9	624.8	705.8	707.2	736.9	4.20
8	Liège/Bierset BE	270.3	325.7	508.5	581.8	625.3	7.48
9	Milano/Malpensa IT	295.7	383.8	432.7	469.7	511.2	8.84
10	Brussel-Bruxelles/ Brussels BE	687.4	694.5	385.0	408.0	483.1	18.40
11	Madrid/Barajas ES	305.2	360.3	400.5	376.8	382.6	1.54
12	München DE	148.4	218.2	291.1	309.1	336.0	8.70
13	Nottingham East Midlands UK	178.8	292.1	304.0	307.2	321.2	4.53
14	London/Stansted UK	167.8	254.8	229.8	225.9	226.8	0.41
15	Wien/Schwechat AT	65.9	180.0	231.8	210.3	209.1	-0.58
16	København/Kastrup DK	419.4	355.1	138.1	200.0	196.6	-1.72
17	Helsinki/Vantaa FI	96.1	114.9	157.5	187.4	177.4	-5.32
18	Roma/Fiumicino IT	153.3	131.9	164.4	143.0	145.0	1.43
19	Dublin IE	35.5	64.1	105.3	127.4	137.3	7.70
20	Paris/Orly FR	107.3	80.0	53.7	113.9	126.4	10.95
21	Bergamo/Orio al Serio IT	98.9	135.1	105.8	122.5	121.0	-1.26
22	Manchester UK	116.6	150.0	116.6	93.1	103.0	10.59
23	Barcelona ES	88.1	94.5	105.9	95.3	102.2	7.26
24	Lisboa PT	114.6	100.0	105.2	103.2	100.8	-2.34
25	Stockholm/Arlanda SE	154.0	158.0	99.4	85.2	90.7	6.50
26	Düsseldorf DE	59.4	56.5	87.1	97.0	90.2	-6.98
27	London/Gatwick UK	318.8	232.1	108.6	92.7	77.9	-16.05
28	Frankfurt/Hahn DE	75.0	100.9	164.5	126.9	73.2	-42.30
29	Warszawa/Chopin PL	44.6	31.1	57.1	68.6	72.3	5.37
30	Budapest/Ferihegy HU	43.5	55.5	65.3	62.0	65.8	6.15
31	Zaragoza ES	3.5	3.8	42.1	76.1	65.1	-14.43
32	Toulouse/Blagnac FR	37.8	56.2	52.3	58.1	60.1	3.46
33	Athinai/Eleftherios Venizelos EL	123.4	100.7	82.3	56.3	58.1	3.15
34	Maastricht-Aachen NL	44.3	54.6	62.0	56.7	56.6	-0.12
35	Marseille/Provence FR	36.0	51.0	59.6	54.9	53.7	-2.24
36	Lyon/Saint Exupéry FR	27.4	38.7	35.2	49.0	51.3	4.67
37	Praha/Ruzyne CZ		51.6	58.2	50.9	50.5	-0.67
38	Venezia Tessera IT		12.3	29.4	40.3	48.0	19.12
39	Belfast UK	30.9	51.3	43.9	46.0	47.1	2.39
40	Berlin/Tegel airport DE	33.1	19.0	21.5	40.9	39.5	-3.21

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 – AIRCRAFT TRAFFIC AT MAJOR EU AIRPORTS

2.4.6

COMMERCIAL AIR FLIGHTS (PASSENGERS, FREIGHT & MAIL)

RANKING	(not including general aviation)						1 000	%
	AIRPORT AND COUNTRY	2005	2010	2013	2014	2015		
1	Paris/Charles de Gaulle	FR	543.4	491.9	472.6	465.6	472.9	1.6
2	London/Heathrow	UK	472.0	449.2	469.6	470.7	472.1	0.3
3	Frankfurt (Main)	DE	475.6	456.0	465.7	462.0	460.5	-0.3
4	Amsterdam/Schiphol	NL	408.2	390.4	430.1	442.7	455.2	2.8
5	München	DE	382.3	368.2	368.4	360.9	365.7	1.3
6	Madrid/Barajas	ES	406.3	426.9	326.0	335.0	357.7	6.8
7	Roma/Fiumicino	IT	299.6	327.3	298.0	305.6	311.8	2.0
8	Barcelona	ES	294.3	268.5	267.7	275.0	279.0	1.4
9	London/Gatwick	UK	252.0	233.5	244.3	254.5	262.5	3.2
10	København/Kastrup	DK	262.1	240.6	240.5	247.2	250.2	1.2
11	Paris/Orly	FR	230.8	215.6	229.8	228.2	232.2	1.8
12	Wien/Schwechat	AT	227.0	242.3	228.9	228.4	224.5	-1.7
13	Brussel-Bruxelles/ Brussels	BE	228.7	205.2	198.7	213.4	221.1	3.6
14	Stockholm/Arlanda	SE	222.2	185.4	210.7	219.2	216.9	-1.0
15	Düsseldorf	DE	189.0	211.4	205.8	204.0	202.8	-0.6
16	Dublin	IE	169.6	156.4	162.0	172.6	188.8	9.4
17	Berlin/Tegel	DE	137.2	150.5	168.5	175.7	177.9	1.2
18	Palma De Mallorca	ES	170.5	165.2	161.7	164.6	170.0	3.2
19	Athinai/Eleftherios Venizelos	EL	170.3	186.6	134.7	146.6	168.3	14.9
20	Helsinki/Vantaa	FI	163.1	169.9	165.8	164.7	165.3	0.4
21	Manchester	UK	218.0	148.9	161.1	162.9	164.7	1.1
22	Lisboa	PT	125.9	136.9	142.6	153.0	162.8	6.4
23	Nice/Côte d'Azur	FR	158.1	145.2	159.0	156.5	157.0	0.3
24	Milano/Malpensa	IT	222.2	187.8	157.9	160.0	154.6	-3.4
25	London/Stansted	UK	178.0	143.0	131.9	143.1	154.5	8.0
26	Hamburg	DE	134.2	138.4	129.4	138.5	142.1	2.6
27	Warszawa/Chopina	PL	131.0	133.0	138.4	134.8	136.4	1.2
28	Praha/Ruzyne	CZ	150.2	147.9	121.5	118.2	120.1	1.6
29	Köln-Bonn	DE	139.9	120.6	107.0	109.9	114.8	4.4
30	Edinburgh	UK	116.0	100.6	103.8	101.4	107.2	5.7
31	Lyon/Saint Exupéry	FR	130.1	116.6	113.4	105.3	105.6	0.3
32	Stuttgart	DE	135.0	111.7	117.5	100.3	105.0	4.7
33	Malaga	ES	111.1	97.3	94.1	99.0	101.0	2.1
34	Milano/Linate	IT	93.1	91.5	90.6	90.5	95.9	5.9
35	Aberdeen	UK	89.5	88.0	99.9	106.2	95.7	-9.9
36	București/Henri Coandă	RO	90.2	128.1	83.2	86.6	90.8	4.8
37	Marseille/Provence	FR	90.3	97.3	97.1	91.9	90.6	-1.4
38	Las Palmas/ Gran Canaria	ES	98.4	93.2	86.1	92.4	89.9	-2.7
39	Birmingham	UK	113.0	84.8	84.9	89.0	89.8	1.0
40	London/Luton	UK	75.4	68.6	70.9	75.6	87.4	15.6

2.4.7 Sea – INWARD & OUTWARD FLOW OF PASSENGERS – BY COUNTRY

INWARDS

1 000	PASSENGERS			CRUISE PASSENGERS			CRUISE PASSENGERS		
	excluding cruise passengers			starting and ending a cruise			on excursion		
	2013	2014	2015	2013	2014	2015	2013	2014	2015
EU-28	193 524	191 034	192 099	6 485	5 677	6 113			
BE	194	219	177	236	190	245			
BG	0	0	0	1	0	0	29	77	18
CZ	-	-	-	-	-	-	-	-	-
DK	20 459	20 524	20 671	209	209	183	562	385	399
DE	14 085	14 576	14 321	645	558	622			
EE	6 541	6 791	7 056	8	8	6	509	470	493
IE	1 361	1 372	1 358	1	1	1	208	203	242
EL	36 254	33 100	32 654	234	195	197			
ES	10 315	10 625	11 113	1 174	1 161	1 187	4 540	4 655	5 669
FR	12 493	12 934	12 646	390	444	467	2 263	2 561	2 780
HR	13 659	11 903	13 948	7	4	26	1 436	1 188	1 242
IT	34 107	34 227	33 159	2 458	1 879	1 986	4 869	3 960	4 649
CY	2	1	1	49	36	34	169	103	103
LV	432	393	295				68	62	69
LT	138	136	136				33	58	60
LU	-	-	-	-	-	-	-	-	-
HU	-	-	-	-	-	-	-	-	-
MT	4 537	4 791	4 886	51	46	70	382	426	538
NL	889	911	941						
AT	-	-	-	-	-	-	-	-	-
PL	1 089	1 111	1 205	0	0	0			
PT	249	252	268	30	23	24	472	537	654
RO				0	0	0	49	62	31
SI	14	13	17				68	60	61
SK	-	-	-	-	-	-	-	-	-
FI	9 309	9 277	9 480	2			425	420	440
SE	14 701	14 791	14 890	42	42	95	527	586	559
UK	12 696	13 086	12 876	948	878	969			
IS			369						262
NO	4 071	4 095	3 941	103	112	74	639	612	538
ME	107	52	48						
TR	789	859	897	230	228	254			

Sea – INWARD & OUTWARD FLOW OF PASSENGERS – BY COUNTRY

2.4.7

OUTWARDS

1 000	PASSENGERS			CRUISE PASSENGERS		
	excluding cruise passengers			starting and ending a cruise		
	2013	2014	2015	2013	2014	2015
EU-28	193 155	190 692	190 965	6 805	5 681	6 197
BE	197	218	176	232	194	245
BG	1	1	2	1	0	0
CZ	-	-	-	-	-	-
DK	20 387	20 411	20 609	211	209	184
DE	14 497	15 099	14 540	622	546	603
EE	6 588	6 847	7 097	8	8	6
IE	1 383	1 381	1 392	1	1	1
EL	36 218	33 057	32 640	212	182	188
ES	10 214	10 589	11 050	1 167	1 111	1 172
FR	12 357	12 816	12 557	393	444	463
HR	13 681	11 611	13 271	8	5	26
IT	33 830	34 176	32 971	2 842	1 943	2 152
CY	0	0	0	49	39	33
LV	441	409	307			
LT	142	144	150			
LU	-	-	-	-	-	-
HU	-	-	-	-	-	-
MT	4 532	4 785	4 884	51	47	70
NL	849	908	969			
AT	-	-	-	-	-	-
PL	1 112	1 113	1 217	0	0	0
PT	249	252	268	28	24	23
RO				0	0	0
SI	14	14	17			
SK	-	-	-	-	-	-
FI	9 211	9 209	9 404	2		
SE	14 382	14 379	14 467	21	29	49
UK	12 870	13 273	12 978	958	898	982
IS			368			
NO	3 721	3 691	3 290	4	10	5
ME	77	56	51			
TR	790	821	809	248	242	272

2.4.8 Sea – PASSENGER TRAFFIC AT MAJOR EU SEAPORTS

PASSENGERS EMBARKED AND DISEMBARKED

RANKING	1 000					%		
	PORT, COUNTRY	2000	2005	2010	2014		2015	CHANGE '14/'15
1	Dover	UK	16 197	13 501	13 361	13 381	13 082	-2.2
2	Helsinki	FI	9 251	8 854	9 849	10 942	11 214	2.5
3	Stockholm	SE	7 746	8 211	9 147	9 933	9 887	-0.5
4	Calais	FR	15 066	11 695	10 237	10 703	9 757	-8.8
5	Tallinn	EE		6 701	7 523	9 098	9 299	2.2
6	Piraeus	EL	7 289	11 076	10 944	8 136	8 169	0.4
7	Helsingborg	SE	13 525	11 102	8 540	7 656	7 670	0.2
8	Helsingør (Elsinore)	DK	13 322	11 023	8 534	7 634	7 644	0.1
9	Paloukia Salaminas	EL		11 663	12 705	7 016	7 050	0.5
	Perama	EL		11 663	12 705	7 016	7 050	0.5
11	Messina	IT	11 898	9 802	10 765	6 988	7 021	0.5
12	Napoli	IT	6 748	6 084	8 356	7 652	6 484	-15.3
13	Puttgarden	DE	5 430	6 760	6 261	6 002	6 141	2.3
14	Rødby (Færgehavn)	DK	5 430	6 761	6 261	6 003	6 139	2.3
15	Reggio Calabria	IT	11 839	9 645	9 891	6 187	6 053	-2.2
16	Palma Mallorca	ES	1 864	4 817	4 496	4 939	5 496	11.3
17	Algeciras	ES	4 261	4 829	4 663	5 386	5 473	1.6
18	Cirkewwa	MT		3 463	4 031	4 643	4 740	2.1
	Mgarr, Gozo	MT		3 463	4 031	4 643	4 740	2.1
20	Capri	IT	5 404	3 860	6 517	6 054	4 355	-28.1
21	Santa Cruz de Tenerife	ES	4 927	4 249	4 110	4 245	4 320	1.8
22	Split	HR	1 952	3 267	3 523	3 506	3 992	13.9
23	Piombino	IT	3 161	3 277	3 477	3 386	3 517	3.9
24	Turku	FI	3 514	3 697	3 498	3 246	3 256	0.3
25	Dunkerque	FR	96	813	2 533	2 518	3 198	27.0
26	Mariehamn	FI	1 885	3 192	3 302	2 981	3 043	2.1
27	Portoferraio	IT	2 641	2 829	2 769	2 872	2 945	2.5
28	Rostock	DE	1 767	2 417	2 195	2 477	2 863	15.6
29	Porto D'Ischia	IT	3 686	3 169	2 589	2 597	2 769	6.6
30	Sjællands Odde	DK	2 283	2 310	1 777	2 525	2 690	6.5
31	Olbia	IT	2 359	3 253	3 863	2 502	2 598	3.8
32	Hirtshals	DK	1 855	1 959	2 178	2 479	2 567	3.5
33	Århus	DK	1 143	1 710	1 284	2 350	2 532	7.7
34	Igoumenitsa	EL	933	2 338	2 726	2 544	2 532	-0.5
35	Norddeich	DE	2 253	2 257	2 287	2 526	2 497	-1.1
36	Genova	IT	2 444	2 406	2 991	2 196	2 344	6.7
37	Barcelona	ES	1 424	1 575	2 358	2 606	2 327	-10.7
38	Civitavecchia	IT	2 241	2 099	2 440	2 099	2 236	6.5
39	Norderney I.	DE	2 015	1 990	2 093	2 550	2 162	-15.2
40	Bastia	FR	1 916	2 028	2 524	2 065	2 048	-0.8

Sea – FREIGHT TRAFFIC AT MAJOR EU SEAPORTS

2.4.9

TONNES LOADED AND UNLOADED

RANKING	MILLION							% CHANGE '14/'15
	PORT, COUNTRY	2000	2005	2010	2014	2015		
1	Rotterdam	NL	302.545	345.819	395.763	421.611	436.942	3.6
2	Antwerpen	BE	116.003	145.835	160.012	180.401	190.107	5.4
3	Hamburg	DE	76.950	108.253	104.520	126.004	120.173	-4.6
4	Amsterdam	NL	61.309	69.304	89.899	97.098	98.776	1.7
5	Algeciras	ES	38.334	55.186	58.565	75.650	79.374	4.9
6	Marseille	FR	91.279	93.308	82.427	74.426	77.479	4.1
7	Le Havre	FR	63.885	70.801	65.771	61.436	62.946	2.5
8	Immingham	UK	52.501	60.686	54.029	59.370	59.103	-0.4
9	Valencia	ES	21.958	34.990	53.075	55.047	57.557	4.6
10	Bremerhaven	DE	24.835	33.728	45.943	53.643	49.753	-7.3
11	Trieste	IT	44.015	43.355	40.557	47.265	49.137	4.0
12	London	UK	47.892	53.843	48.062	44.489	45.430	2.1
13	Genova	IT	43.797	42.640	41.428	43.394	43.426	0.1
14	Sines	PT	19.957	24.929	24.728	35.054	41.218	17.6
15	Riga	LV		24.421	29.057	39.808	39.362	-1.1
16	Piraeus	EL	16.513	18.688	13.058	41.441	38.322	-7.5
17	Barcelona	ES	25.787	37.063	35.326	41.182	38.047	-7.6
18	Göteborg	UK	33.261	36.479	42.938	36.832	37.838	2.7
19	Milford Haven	UK	33.768	37.547	42.788	34.309	37.684	9.8
20	Southampton	UK	34.773	39.947	39.365	36.688	37.660	2.6
21	Dunkerque	FR	44.318	48.503	36.309	38.919	36.906	-5.2
22	Constanta	RO		44.377	30.396	34.789	36.277	4.3
23	Tees & Hartlepool	UK	51.472	55.790	35.697	39.537	35.849	-9.3
24	Klaipeda	LT		20.019	28.851	33.773	34.449	2.0
25	Tarragona	ES	27.175	30.663	32.071	31.502	32.772	4.0
26	Cartagena	ES	17.157	26.716	19.044	32.275	32.384	0.3
27	Gdansk	PL		22.478	26.421	28.771	31.685	10.1
28	Liverpool	UK	30.421	33.775	30.020	30.996	31.256	0.8
29	Bilbao	ES	26.623	32.182	32.440	29.281	30.975	5.8
30	Livorno	IT	19.785	24.048	22.662	24.476	29.303	19.7
31	Felixstowe	UK	29.686	23.144	25.756	28.127	27.971	-0.6
32	Wilhelmshaven	DE	43.402	45.977	24.728	24.099	27.395	13.7
33	Dover	UK	17.434	21.145	24.093	27.605	27.299	-1.1
34	Huelva	ES	17.224	20.931	22.122	27.271	27.217	-0.2
35	Forth	UK	41.143	34.218	34.335	24.608	27.074	10.0
36	Gent (Ghent)	BE	24.717	22.133	27.572	28.788	26.143	-9.2
37	Gioia Tauro	IT	21.638	29.634	35.371	27.272	26.137	-4.2
38	Ravenna	IT	22.492	24.253	22.186	24.183	25.288	4.6
39	Venezia	NL	26.293	30.547	26.212	20.180	25.142	24.6
40	Nantes Saint-Nazaire	FR	31.263	34.043	30.582	25.875	24.878	-3.9

2.4.10a

Sea – INTRA-EU

MARITIME TRANSPORT – BY COUNTRY

(1) RELEVANCE OF INTRA-EU TRANSPORT
IN TOTAL MARITIME TRANSPORT BY EU COUNTRY 2015

	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	128.714	44.663	34.7	112.467	37.284	33.2
BG	12.622	0.798	6.3	14.544	4.003	27.5
DK	48.937	30.699	62.7	35.698	27.947	78.3
DE	173.484	72.001	41.5	122.756	51.920	42.3
EE	8.854	6.319	71.4	22.603	13.392	59.2
IE	32.457	21.977	67.7	16.841	15.510	92.1
EL	80.108	36.495	45.6	68.527	40.471	59.1
ES	255.215	91.535	35.9	191.806	60.913	31.8
FR	195.340	61.011	31.2	101.035	54.659	54.1
HR	11.275	3.205	28.4	4.642	2.307	49.7
IT	286.868	119.902	41.8	162.670	113.421	69.7
CY(**)	4.876	3.274	67.1	2.547	0.435	17.1
LV	6.533	5.057	77.4	59.928	44.162	73.7
LT	14.616	4.302	29.4	28.513	16.190	56.8
MT	3.394	2.516	74.1	0.290	0.180	62.1
NL	406.668	94.914	23.3	187.604	54.805	29.2
PL	39.433	16.685	42.3	29.403	21.637	73.6
PT	50.168	18.589	37.1	35.112	16.923	48.2
RO(**)	19.167	1.608	8.4	24.482	7.026	28.7
SI	13.176	3.287	24.9	6.755	2.430	36.0
FI	48.022	31.163	64.9	48.909	41.947	85.8
SE	91.982	64.141	69.7	77.726	66.997	86.2
UK	306.925	169.115	55.1	178.804	137.586	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

2.4.10b

(1) RELEVANCE OF INTRA-EU TRANSPORT IN TOTAL MARITIME TRANSPORT BY EU COUNTRY 2015

	TOTAL		
	total goods transported (*)	of which to/from EU	share of EU in total
	million tonnes	million tonnes	(%)
BE	241.158	81.923	34.0
BG	27.166	4.800	17.7
DK	82.411	56.422	68.5
DE	293.277	120.960	41.2
EE	31.392	19.647	62.6
IE	48.279	36.466	75.5
EL	128.100	56.433	44.1
ES	422.735	128.161	30.3
FR	289.765	109.060	37.6
HR	15.294	4.888	32.0
IT	368.492	152.281	41.3
CY (**)	7.422	3.711	50.0
LV	66.292	49.048	74.0
LT	43.129	20.492	47.5
MT	3.684	2.696	73.2
NL	594.245	149.692	25.2
PL	68.464	37.952	55.4
PT	80.557	30.786	38.2
RO (**)	43.648	8.631	19.8
SI	19.931	5.717	28.7
FI	91.956	68.133	74.1
SE	165.214	126.644	76.7
UK	445.218	266.190	59.8

(2) MAIN ROUTES IN INTRA-EU MARITIME TRANSPORT 2015

RANKING	country of loading port	country of unloading port	million tonnes transported
1	ITALY	ITALY	86.325
2	UK	UK	62.352
3	SPAIN	SPAIN	43.789
4	NETHERLANDS	UK	38.736
5	UK	NETHERLANDS	35.117
6	GREECE	GREECE	29.496
7	FRANCE	UK	22.211
8	UK	FRANCE	18.917
9	SWEDEN	SWEDEN	17.929
10	FRANCE	FRANCE	15.817
11	BELGIUM	UK	15.484
12	SWEDEN	GERMANY	14.848
13	SWEDEN	UK	13.276
14	DENMARK	DENMARK	13.235
15	SPAIN	ITALY	12.611
16	UK	GERMANY	12.180
17	FINLAND	GERMANY	11.905
18	DENMARK	SWEDEN	11.873
19	GERMANY	SWEDEN	11.772
20	UK	IRELAND	11.561
21	UK	BELGIUM	11.490
22	LATVIA	NETHERLANDS	11.480
23	NETHERLANDS	FRANCE	11.337
24	ITALY	SPAIN	9.974
25	SWEDEN	FINLAND	9.006
26	IRELAND	UK	8.320
27	NETHERLANDS	GERMANY	8.266
28	NETHERLANDS	SPAIN	8.120
29	SPAIN	UK	7.976
30	GREECE	ITALY	7.940

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.

2.4.11 Sea – CONTAINER TRAFFIC AT MAJOR EU SEAPORTS

RANKING	1 000 TEU					CHANGE '14/'15	
	PORT, COUNTRY	2005	2010	2014	2015		
1	Rotterdam	NL	9 194.6	11 017.5	11 634.1	11 577.2	-0.5
2	Antwerpen	BE	6 220.9	8 144.4	8 811.7	9 370.3	6.3
3	Hamburg	DE	8 084.3	7 905.5	9 775.4	8 847.9	-9.5
4	Bremerhaven	DE	3 696.1	4 858.3	5 731.5	5 466.8	-4.6
5	Valencia	ES	2 415.2	4 211.2	4 406.6	4 608.7	4.6
6	Algeciras	ES	3 183.9	2 776.9	4 554.9	4 515.8	-0.9
7	Felixstowe	UK	2 759.7	3 415.1	4 072.2	4 042.7	-0.7
8	Piraeus	EL	1 401.1	850.3	3 492.7	3 359.6	-3.8
9	Gioia Tauro	IT	3 123.2	3 896.7	3 708.1	3 030.0	-18.3
10	Le Havre	FR	2 144.3	2 369.3	2 432.7	2 560.1	5.2
11	Genova	IT	1 037.6	1 020.0	2 013.9	2 079.1	3.2
12	Southampton	UK	1 384.2	1 566.5	1 893.8	1 956.4	3.3
13	Barcelona	ES	2 071.4	1 928.0	2 055.7	1 949.7	-5.2
14	La Spezia	IT	915.6	1 180.6	1 261.7	1 578.9	25.1
15	Sines	PT	51.0	382.1	1 227.7	1 332.2	8.5
16	Marseille	FR	910.6	1 030.9	1 190.5	1 255.8	5.5
17	London	UK	765.1	732.7	1 059.3	1 184.5	11.8
18	Gdansk	PL	63.3	509.9	1 232.0	1 041.3	-15.5
19	Las Palmas	ES	1 222.4	1 118.0	960.9	883.3	-8.1
20	Göteborg	SE	771.7	891.5	828.9	840.2	1.4
21	Cagliari	IT	583.7	486.6	623.2	821.8	31.9
22	Koper	SI	210.3	481.0	676.4	802.7	18.7
23	Constanta	RO	867.0	548.1	663.3	689.5	4.0
24	Liverpool	UK	613.1	662.0	666.4	681.9	2.3
25	Gdynia	PL	392.9	477.0	937.2	676.4	-27.8
26	Livorno	IT	461.4	369.9	401.4	652.8	62.6
27	Trieste	IT	182.7	261.1	618.1	628.0	1.6
28	Bilbao	ES	862.9	532.0	630.2	627.9	-0.4
29	Dublin	IE	590.2	554.0	569.2	627.7	10.3
30	Wilhelmshaven	DE	2.7	0.0	126.7	611.0	382.2
31	Thessaloniki	EL	372.5	289.2	451.2	591.4	31.1
32	Leixões	PT	351.8	481.8	627.1	568.3	-9.4
33	Hamina-Kotka	FI	376.5	402.4	518.4	487.4	-6.0
34	Lisboa	PT	512.2	512.0	502.8	482.6	-4.0
35	Venezia	IT	196.0	237.7	371.7	476.0	28.1
36	Århus	DK	397.2	446.3	424.1	445.2	5.0
37	Helsinki	FI	460.2	400.7	369.3	411.1	11.3
38	Zeebrugge	BE	682.3	1 436.8	880.5	393.0	-55.4
39	Riga	LV	157.8	254.6	388.8	355.4	-8.6
40	Klaipeda	LT	214.3	295.2	450.2	350.4	-22.2

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

Combined Transport Traffic 2.4.12

UIRR COMPANIES

TONNE-KILOMETRES				
YEAR	Billion	% 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	55.0	1%	50%	49%
2016	56.7	1%	46%	53%

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%
2016	16%	5%	79%

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 do not include Ökombi and Hungarokombi. Since 2013, data includes performance of two new UIRR members and since 2014 of other 4 new members.

2.4.13

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
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
2015	8.7	3.3	32.2	19.5	63.7
AVERAGE ANNUAL CHANGE					
'85/'00	9.7%	3.3%	3.9%	5.4%	5.0%
'00/'15	0.9%	6.5%	1.3%	-2.2%	0.1%
'14/'15	-5.0%	0.9%	2.7%	2.5%	1.4%

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
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
2015	730	280	2 160	1 307	4 477

Note: Internal, import, export and transit traffic.

Road

2.4.14

PYRENEES CROSSING TRAFFIC

GOODS TRAFFIC

				VEHICLES PER DAY
	West coast Irun Biriattou	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
2014	8 605	9 501	981	19 087

PASSENGER CAR TRAFFIC

				VEHICLES PER DAY
	West coast Irun Biriattou	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
2014	48 780	31 623	40 190	120 593

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

2.4.15a Rail – DEGREE OF MARKET OPENING – PASSENGERS

SHARE OF ALL BUT THE PRINCIPAL UNDERTAKINGS

	%						
	2006	2008	2010	2012	2013	2014	2015
BE	0.00	0.00	0.20	0.60	0.00	0.00	3.26
BG	0.00	0.00	2.60	0.00	0.00	0.00	0.00
CZ		0.00	0.24	2.94	5.13	6.60	5.00
DK		9.00	18.00	6.80	6.50	6.70	7.00
DE	3.80	5.70	8.00	10.40	11.70	12.00	13.49
EE	40.00	57.70	50.00	56.00	66.50	6.30	0.00
IE	0.00	0.00	0.00	0.00	0.00		
EL		0.00	0.00	0.00	0.00	0.00	0.00
ES		0.00	0.00	0.00	0.00	0.00	0.00
FR		0.00	1.00			5.00	4.99
HR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IT	9.80		8.30	8.30		19.00	23.00
CY	-	-	-	-	-	-	-
LV	10.10	9.08	10.54	11.70	12.30	11.00	8.26
LT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LU	0.00					0.00	0.00
HU	1.40	1.80	1.80	2.90	3.20	3.20	3.45
MT	-	-	-	-	-	-	-
NL	1.90	2.00	4.80	5.00			14.90
AT	6.50		5.40	8.80	12.30	11.80	12.21
PL	9.17	36.80	48.31	51.40	57.82	55.80	51.74
PT	9.00		9.00	6.13	5.90	6.80	5.41
RO	0.53	1.10	3.93		9.60	9.10	
SI	0.00	0.00	0.01	0.00	0.00	0.00	0.00
SK	0.00	0.03	0.03	3.38	3.76	3.74	6.00
FI	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SE	19.00				36.00		33.47
UK		89.50	89.90	89.97	89.70	89.20	
NO		12.00	12.00	10.00	10.00	10.00	10.70

Notes: Total market share of all but the principal railway undertakings (as a percentage of passenger-km, in some cases as a percentage of train-km).
DK: not considering metro services after break in series.

Rail – DEGREE OF MARKET OPENING – FREIGHT

2.4.15b

SHARE OF ALL BUT THE PRINCIPAL UNDERTAKINGS

	%						
	2006	2008	2010	2012	2013	2014	2015
BE	0.03	6.10	11.82	13.39	18.54	24.30	25.10
BG	3.18	14.32	21.60	36.50	44.70	48.80	51.40
CZ			13.16	20.62	23.67	30.10	33.50
DK			25.00	27.00	25.00	24.00	29.00
DE	16.40	22.00	25.00	28.60	32.60	34.10	40.90
EE	30.60	49.00	45.00	30.00	35.00	30.50	29.00
IE	0.00	0.00	0.00	0.00	0.00	0.00	
EL	0.00	0.00		0.00	0.00	0.00	0.00
ES	4.90	5.00	8.08	16.83	19.05	20.50	26.00
FR	0.60	10.00	20.00	32.00	36.00	37.00	25.60
HR	0.00	0.00	0.00	0.00	0.00	0.52	2.00
IT	11.50		24.10	16.80	7.60	41.00	41.20
CY	-	-	-	-	-	-	-
LV	10.60	9.57	23.30	22.60	23.30	21.50	31.10
LT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LU	0.00		0.00	0.00		0.00	0.00
HU	9.00	14.40	19.47	31.80	34.80	37.60	39.60
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	23.60
PL	16.90	23.97	35.82	32.93	34.53	36.30	38.10
PT	0.00		9.00	11.00	13.40	11.30	11.80
RO	26.70	40.99	54.70	53.68	57.60	42.80	60.20
SI	0.00	0.00	0.00	9.50	9.19	9.90	12.10
SK	2.90	2.00	2.03	11.76	13.47	10.00	17.60
FI	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SE	32.50		40.00		56.00	55.00	48.00
UK		44.20	51.40	53.60	54.50	54.70	52.60
NO		21.00	25.00	38.00	42.00	47.00	42.20

Note: Total market share of all but the principal railway undertakings
(as a percentage of tonnes-km, in some cases as a percentage of train-km).

2.4.16

Rail

ALPS 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
2015	15.3	11.7	12.6	3.2	42.7
AVERAGE ANNUAL CHANGE					
'85/'00	2.7%	2.1%	4.2%	0.9%	2.5%
'00/'15	-0.6%	7.8%	2.5%	-6.4%	0.8%
'14/'15	-2.2%	11.7%	5.3%	-4.0%	3.4%

Rail

2.4.17

CHANNEL TUNNEL TRAFFIC

UNITED KINGDOM – FRANCE

	SHUTTLE			
	Vehicles			Passengers
	PASSENGER		FREIGHT	(¹)
	cars (1 000)	coaches (1 000)	1 000	million
1995	1 223	23.0	391	4.2
2000	2 784	79.5	1 133	10.1
2001	2 530	75.5	1 198	9.3
2002	2 336	71.9	1 231	8.7
2003	2 279	71.9	1 285	8.5
2004	2 101	63.5	1 281	7.8
2005	2 047	77.3	1 309	8.2
2006	2 022	67.2	1 296	7.8
2007	2 142	65.3	1 415	9.5
2008	1 907	55.8	1 254	8.4
2009	1 917	54.5	769	7.8
2010	2 125	56.5	1 089	8.8
2011	2 263	56.1	1 263	9.3
2012	2 424	59.0	1 465	10.0
2013	2 481	64.5	1 363	10.3
2014	2 572	63.1	1 440	10.6
2015	2 557	58.4	1 484	10.5
2016	2 610	53.6	1 642	10.6

	THROUGH-TRAIN	
	PASSENGER	FREIGHT
	million	1 000 tonnes
1995	2.920	1 411
2000	7.130	2 947
2001	6.947	2 447
2002	6.603	1 464
2003	6.315	1 744
2004	7.277	1 899
2005	7.454	1 588
2006	7.858	1 569
2007	8.261	1 214
2008	9.113	1 239
2009	9.220	1 181
2010	9.529	1 128
2011	9.680	1 325
2012	9.912	1 227
2013	10.133	1 360
2014	10.398	1 650
2013	10.399	1 420
2014	10.011	1 040

Notes: The Channel Tunnel opened in 1994.

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

2.5.1

Road

LENGTH OF MOTORWAYS

	km (at end of year)						
	1990	1995	2000	2005	2010	2014	2015
EU-28	42 207	48 297	55 116	63 140	71 136	74 850	75 820
BE	1 666	1 666	1 702	1 747	1 763	1 763	1 763
BG	273	277	319	331	437	610	734
CZ	357	414	501	564	734	776	776
DK	611	796	923	1 032	1 130	1 232	1 237
DE	10 854	11 190	11 712	12 363	12 819	12 949	12 993
EE	41	65	93	99	115	141	147
IE	26	70	103	247	900	897	916
EL	190	421	615	917	1 558	1 558	1 589
ES	4 976	6 962	9 049	11 432	14 262	15 049	15 336
FR	6 824	8 275	9 766	10 798	11 392	11 560	11 599
HR	291	302	411	1 016	1 244	1 290	1 310
IT	6 193	6 435	6 478	6 542	6 668	6 844	6 943
CY	120	167	257	276	257	257	272
LV	-	-	-	-	-	-	-
LT	421	394	417	417	309	309	309
LU	78	123	114	147	152	152	161
HU	267	335	448	859	1 477	1 782	1 884
MT	-	-	-	-	-	-	-
NL	2 092	2 208	2 265	2 600	2 651	2 730	2 756
AT	1 445	1 596	1 633	1 677	1 719	1 719	1 719
PL	257	246	358	552	857	1 556	1 559
PT	316	687	1 482	2 341	2 737	3 065	3 065
RO	113	113	113	228	332	683	747
SI	228	293	427	569	771	770	773
SK	192	198	296	328	416	420	463
FI	225	394	549	693	779	881	881
SE	939	1 262	1 499	1 700	1 971	2 088	2 119
UK	3 212	3 408	3 586	3 665	3 686	3 769	3 769
AL							
ME	-	-	-	-	-	-	-
MK	83			216	251	259	259
RS				603	603	603	603
TR	281			1 667	2 080	2 282	2 159
IS	-	-	-	11	11	11	11
NO	73	107	144	264	381	392	392
CH	1 148	1 197	1 270	1 358	1 406	1 429	1 440

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 1st of April of the next year.

Road

2.5.2

LENGTH OF ROAD NETWORK

	km (at end of 2015)			
	Motorways	Main or national roads	Secondary or regional roads	Other roads (*)
BE	1 763	13 229	1 349	138 869
BG	734	2 954	4 025	12 140
CZ	776	6 245	48 717	74 919
DK	1 237	2 613		70 646
DE	12 993	38 303	178 786	
EE	147	3 865	12 583	42 233
IE	916	4 390	13 120	80 472
EL	1 589	9 299	30 864	75 600
ES	15 336	14 950	135 717	501 053
FR	11 599	9 633	379 725	687 789
HR	1 310	6 758	9 640	8 998
IT	6 943	21 686	155 668	74 719
CY	272	2 219	2 313	5 051
LV	-	1 675	5 473	63 681
LT	309	6 367	14 574	51 467
LU	161	837		1 891
HU	1 884	30 041		172 957
MT	-		2 854	
NL	2 756	2 584	7 759	126 025
AT	1 719	10 345	23 681	102 463
PL	1 559	17 734	154 201	246 143
PT	3 065	6 454	4 791	
RO	747	16 859	35 316	33 158
SI	773	5 942		32 181
SK	463	3 566	13 976	36 852
FI	881	12 454	13 600	51 053
SE	2 119	13 574	157 227	42 171
UK	3 769	49 081	33 171	335 239
AL				
ME	-		7 809	
MK	259	649	3 778	9 570
RS	603	4 804	10 951	29 240
TR	2 159	31 280	32 474	170 762
IS	11	4 919	2 950	5 010
NO	392	10 666	44 497	39 287
CH	1 440	383	17 898	51 799

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, IT, LV end of 2014,

LU 23rd of September 2015, UK 1st of April 2015, IS end of 2011.

2.5.3

Railways

LENGTH OF LINES IN USE

	km							km	%
	1990	1995	2000	2005	2010	2014	2015	OF WHICH: ELECTRIFIED 2015	
EU-28	237 671	229 435	220 583	215 110	215 840	219 129	218 181	116 086	53.2
BE	3 479	3 368	3 471	3 544	3 582	3 631	3 607	3 086	85.6
BG	4 299	4 294	4 320	4 154	4 097	4 023	4 019	2 859	71.1
CZ		9 430	9 444	9 614	9 468	9 456	9 466	3 217	34.0
DK	2 838	2 863	2 787	2 646	2 606	2 612	2 552	621	24.3
DE	40 981	41 718	36 588	34 221	33 707	38 836	38 828	20 346	52.4
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	1 894	1 894	1 894	52	2.7
EL	2 484	2 474	2 385	2 576	2 552	2 238	2 239	525	23.4
ES	14 539	14 308	14 347	15 015	15 837	15 901	16 056	10 211	63.6
FR	34 070	31 939	29 272	29 286	29 504	29 386	28 765	15 976	55.5
HR	2 429	2 296	2 726	2 726	2 722	2 604	2 604	970	37.3
IT	16 066	16 003	16 187	16 545	17 022	17 037	17 041	12 136	71.2
CY	-	-	-	-	-	-	-	-	-
LV	2 397	2 413	2 331	2 270	1 897	1 853	1 859	250	13.4
LT	2 007	2 002	1 905	1 771	1 767	1 767	1 877	122	6.5
LU	271	275	274	275	275	275	275	262	95.3
HU	7 838	7 714	8 005	7 950	7 893	7 892	7 894	3 079	39.0
MT	-	-	-	-	-	-	-	-	-
NL	2 798	2 739	2 802	2 797	3 013	3 031	3 058	2 314	75.7
AT	5 624	5 672	5 665	5 691	5 039	5 058	4 937	3 517	71.2
PL	26 228	23 986	22 560	19 507	19 702	18 942	18 510	11 777	63.6
PT	3 064	2 850	2 814	2 844	2 842	2 544	2 545	1 639	64.4
RO	11 348	11 376	11 015	10 948	10 777	10 770	10 770	4 030	37.4
SI	1 196	1 201	1 201	1 228	1 228	1 208	1 209	500	41.4
SK	3 660	3 665	3 662	3 658	3 622	3 627	3 626	1 587	43.8
FI	5 867	5 880	5 854	5 732	5 919	5 944	5 923	3 262	55.1
SE	11 193	10 925	11 037	11 017	11 160	10 881	10 908	8 235	75.5
UK	16 914	17 069	17 044	16 208	16 175	16 209	16 209	5 381	33.2
AL					423	423	423	0	0.0
ME				248	249	250	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	10 087	10 131	3 423	33.8
IS	-	-	-	-	-	-	-	-	-
NO	4 044	4 023	4 413	4 334	4 199	3 867	3 857	2 461	63.8
CH	3 215	3 232	3 216	3 399	3 597	3 607	3 592	3 591	100.0

Notes: DE: includes DE-E: 1990=14 031.

CS: 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

2.5.4

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
2016	209	1 475	2 938	2 142	981	120	48	224	113	8 250

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	Monforte del Cid - Murcia	62	2018
ES	Vitoria - Bilbao - San Sebastian	175	2022
ES	León - Asturias Variante de Pajares	50	2019
ES	Bobadilla - Granada	109	2018
ES	Plasencia -Cacere / Badajoz	193	2019
ES	Venta de Banos - Burgos	91	2018
ES	Zamora - Orense	224	2019
FR	LGV Bretagne - Pays de la Loire	214	2017
FR	LGV Sud Europe Atlantique	340	2017
FR	Counterneement Nimes - Montpellier	80	2018
IT	Genoa - Milan (Tortona)	67	2020
AT	Ybbs - Amstetten	17	
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.

2.5.5 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	16.7Hz
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	16.7Hz
PL	1 435	3 000		
PT	1 000			
	1 668		25 000	50 HZ
RO	1 435		25 000	50 HZ
SI	1 435	3 000		
SK	1 435	3 000	25 000	50 HZ
FI	1 524		25 000	50 HZ
SE	1 435		15 000	16.7Hz
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, 50Hz.

(**) UK: (N-IRL): Northern Ireland.

Air

NUMBER OF AIRPORTS

2.5.6

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
EU-28	38	27	94	35	100	34
BE	1	1			3	
BG			3			
CZ	1				2	2
DK	1		2		4	1
DE	7	2	8	4	4	
EE			1			
IE	1		2	1	1	
EL	1	2	6	2	11	11
ES	6	4	10	7	5	
FR	3	4	11	6	18	1
HR			3		2	
IT	3	6	14	3	7	
CY		1	1			
LV		1				
LT			1	1	1	
LU			1			
HU	1					
MT			1			
NL	1		2		2	
AT	1		2	2	1	
PL	1		6	1	4	
PT	1	2	2		3	5
RO		1	1	1	4	
SI			1			
SK			1		1	
FI	1			1	8	8
SE	1	1	5		10	1
UK	7	2	10	6	9	5
AL			1			
ME				2		
MK			1			1
RS			1			1
TR	5	1	11	7	18	9
IS			1			
NO	1	1	8	3	10	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 2015 passenger volumes. In this table, blank means none.

2.5.7

Inland Waterways

LENGTH IN USE

NAVIGABLE CANALS, RIVERS AND LAKES REGULARLY USED FOR TRANSPORT

	km						
	1990	1995	2000	2005	2010	2014	2015
EU-28		38 611	40 811	41 848	41 788	41 734	41 935
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	687	720
DK	-	-	-	-	-	-	-
DE	4 350	6 663	6 754	7 565	7 728	7 675	7 675
EE		520	320	320	335	416	416
IE	-	-	-	-	-	-	-
EL	-	-	-	-	-	-	-
ES	-	-	-	-	-	-	-
FR	6 197	5 962	5 789	5 788	5 110	4 718	4 822
HR	933	933	720	804	805	1 017	1 017
IT	1 366	1 466	1 477	1 562	1 562	1 562	<i>1 562</i>
CY	-	-	-	-	-	-	-
LV	-	-	-	-	-	-	-
LT	369	369	380	290	448	452	446
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	6 211	6 219	6 261	6 256
AT	351	351	351	351	351	351	351
PL	3 997	3 980	3 813	3 638	3 659	3 655	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	8 052	8 127
SE	-	-	-	-	-	-	-
UK	1 631	1 153	1 153	1 065	1 050	1 050	1 050
AL	-	-	-	-	-	-	-
ME	-	-	-	-	-	-	-
MK	-	-	-	-	-	-	-
RS					1 364	1 593	1 593
TR	-	-	-	-	-	-	-
IS	-	-	-	-	-	-	-
NO	-	-	-	-	-	-	-
CH	-	-	-	-	-	-	-

Note: DE: includes DE-E: 1990 = 2 319.

Pipelines

2.5.8

LENGTH OF OIL PIPELINES

	km						
	1990	1995	2000	2005	2010	2014	2015
EU-28			35 330	36 388	37 528	37 221	36 017
BE	301	294	294	294	294	294	294
BG	578	578	578	578	578	570	570
CZ		581	675	675	674	674	642
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	4 735	4 736
FR	4 948	4 983	5 746	5 746	6 293	7 696	7 142
HR	865	601	601	610	610	610	610
IT	4 086	4 235	4 346	4 328	4 291	4 308	4 022
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	2 215
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	2 483	2 483
PT	-	-	147	147	147	147	147
RO	3 694	4 479	5 221	5 356	5 260	3 048	2 715
SI	-	-	-	-	-	-	-
SK		515	515	515	510	506	506
FI	-	-	-	-	-	-	-
SE	-	-	-	-	-	-	-
UK	2 462	3 470	3 954	4 501	4 446	4 446	4 446
AL	-	-	-	-	-	-	-
ME	-	-	-	-	-	-	-
MK				155	144	-	-
RS					374	279	279
TR		1 126	2 112	3 065	3 038	3 053	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: 1990 = 1 323 km.

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

2.6.1

Road MOTORISATION

NUMBER OF PASSENGER CARS PER 1 000 INHABITANTS								%
	1990	1995	2000	2005	2010	2014	2015	CHANGE '14/'15
EU-28	335	371	410	446	477	491	498	1.4
BE	387	421	456	468	480	496	501	0.9
BG	152	196	245	333	353	418	442	5.6
CZ	234	295	336	387	429	459	485	5.7
DK	309	320	347	362	389	412	419	1.8
DE	461	495	475	493	527	547	548	0.3
EE	154	269	333	366	416	497	514	3.5
IE	228	276	348	400	416	425	425	0.0
EL	169	208	295	391	469	470	479	1.7
ES	309	360	431	460	475	474	481	1.5
FR	404	422	460	476	482	478	479	0.2
HR	121	155	262	321	353	349	358	2.6
IT	483	533	572	597	619	610	616	0.9
CY	304	335	384	477	551	565	575	1.8
LV	106	134	237	333	307	331	345	4.1
LT	133	199	336	442	554	413	431	4.4
LU	477	556	622	655	659	662	661	-0.1
HU	187	218	232	287	299	315	325	3.1
MT	337	487	483	525	581	621	634	2.1
NL	367	364	409	434	464	472	477	1.1
AT	388	452	511	504	530	547	546	-0.2
PL	138	195	261	323	453	526	546	3.7
PT	185	255	333	400	424	433	439	1.3
RO	56	97	124	158	214	247	261	5.6
SI	294	357	435	479	518	518	523	0.9
SK	166	189	237	243	310	360	375	4.3
FI	388	371	412	462	535	584	594	1.7
SE	419	411	450	459	460	470	474	0.8
UK	361	378	425	467	465	471	477	1.4
AL		18	37	62	104	131	140	7.0
ME					266	280	283	1.0
MK		145	148	124	151	180	185	3.2
RS				200	216	253	259	2.6
TR		49	68	84	102	127	134	6.0
IS	468	445	561	625	643	661	681	3.0
NO	380	386	411	437	469	495	501	1.3
CH	442	457	492	518	518	532	535	0.6
LI	582	609	663	699	744	762	766	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

2.6.2

STOCK OF REGISTERED VEHICLES

	1 000							%
	1990	1995	2000	2005	2010	2014	2015	CHANGE '14/'15
EU-28	160 106	179 690	200 245	221 211	240 070	249 790	254 235	1.8
BE	3 864	4 273	4 678	4 919	5 276	5 573	5 662	1.6
BG	1 317	1 648	1 993	2 538	2 602	3 014	3 162	4.9
CZ	2 410	3 043	3 439	3 959	4 496	4 833	5 115	5.8
DK	1 590	1 679	1 854	1 965	2 164	2 330	2 391	2.6
DE	36 772	40 499	39 059	40 660	42 302	44 403	45 071	1.5
EE	241	383	464	494	553	653	677	3.6
IE	801	998	1 333	1 684	1 899	1 966	2 007	2.1
EL	1 736	2 205	3 195	4 303	5 217	5 108	5 160	1.0
ES	11 996	14 212	17 449	20 250	22 147	22 030	22 356	1.5
FR	23 550	25 100	28 060	30 100	31 300	31 800	32 000	0.6
HR	580	711	1 125	1 385	1 515	1 474	1 500	1.7
IT	27 416	30 301	32 584	34 667	36 751	37 081	37 351	0.7
CY	179	220	268	355	463	478	488	1.9
LV	283	332	557	742	637	658	679	3.2
LT	493	718	1 172	1 455	1 692	1 206	1 244	3.2
LU	183	229	273	307	337	373	381	2.2
HU	1 944	2 245	2 365	2 889	2 984	3 108	3 197	2.9
MT	120	181	189	213	241	267	275	3.3
NL	5 509	5 633	6 539	7 092	7 736	7 979	8 101	1.5
AT	2 991	3 594	4 097	4 157	4 441	4 695	4 748	1.1
PL	5 261	7 517	9 991	12 339	17 240	20 004	20 723	3.6
PT	1 849	2 560	3 443	4 200	4 480	4 496	4 538	0.9
RO	1 292	2 197	2 778	3 364	4 320	4 908	5 155	5.0
SI	587	711	866	960	1 062	1 068	1 079	1.0
SK	880	1 016	1 274	1 304	1 669	1 949	2 035	4.4
FI	1 939	1 901	2 135	2 430	2 877	3 195	3 258	2.0
SE	3 601	3 631	3 999	4 154	4 335	4 586	4 669	1.8
UK	20 722	21 951	25 067	28 326	29 334	30 557	31 214	2.1
AL		59	115	195	295	378	404	6.8
ME					165	174	176	1.1
MK		286	300	253	310	371	384	3.3
RS				1 481	1 566	1 797	1 835	2.1
TR		3 059	4 422	5 773	7 545	9 858	10 589	7.4
IS	120	119	159	187	205	217	226	4.1
NO	1 613	1 685	1 852	2 029	2 309	2 555	2 610	2.1
CH	2 985	3 229	3 545	3 861	4 076	4 384	4 458	1.7
LI	17	19	22	24	27	28	29	1.2

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 included in passenger cars and no longer as Goods Vehicles.

2.6.3

Road

BUSES AND COACHES

STOCK OF REGISTERED VEHICLES

	1 000							%
	1990	1995	2000	2005	2010	2014	2015	CHANGE '14/'15
EU-28	740.3	754.0	775.8	788.1	813.7	817.5	831.2	1.7
BE	15.6	14.6	14.7	15.4	16.2	16.8	17.1	1.8
BG	34.6	41.8	43.0	37.8	24.5	23.6	24.1	2.1
CZ	20.5	20.5	19.0	20.9	20.4	20.5	20.7	0.8
DK	8.1	13.7	14.0	14.4	14.5	13.4	13.4	-0.2
DE	100.4	85.4	77.2	75.2	76.5	77.5	78.3	1.1
EE	7.9	7.0	6.1	5.2	4.2	4.6	4.8	4.3
IE	4.0	5.3	7.0	7.6	8.2	8.8	9.3	5.2
EL	21.4	24.6	27.0	26.8	27.3	26.6	26.5	-0.2
ES	45.8	47.4	54.7	58.2	62.4	59.8	60.3	0.8
FR	70.0	79.0	80.0	83.0	86.0	89.0	90.0	1.1
HR	5.8	3.9	4.7	4.9	4.9	5.0	5.3	4.7
IT	77.7	75.0	88.0	94.4	99.9	97.9	98.0	0.1
CY	2.3	2.7	2.9	3.2	3.4	2.6	2.7	5.1
LV	12.1	16.5	11.5	10.6	5.4	4.8	4.8	-1.0
LT	15.2	17.6	15.5	15.3	13.7	6.9	6.9	-1.2
LU	0.8	0.9	1.1	1.3	1.6	1.8	1.9	4.4
HU	26.4	20.5	17.9	17.5	17.6	17.9	18.1	1.2
MT	1.0	1.0	1.1	1.1	1.8	1.8	2.0	8.9
NL	12.1	11.6	11.4	11.0	11.3	9.6	9.4	-1.9
AT	9.4	9.8	9.9	9.3	9.6	9.6	9.7	1.0
PL	92.4	85.4	82.6	79.6	97.0	106.1	109.8	3.6
PT	12.1	15.0	19.8	14.7	15.4	14.5	14.7	1.4
RO	28.3	42.0	40.7	39.3	40.9	44.3	47.3	6.9
SI	3.1	2.5	2.3	2.3	2.4	2.6	2.6	2.8
SK	14.3	11.8	10.9	9.1	9.4	9.2	9.3	1.2
FI	9.3	8.1	9.9	10.9	13.7	16.3	16.9	3.7
SE	14.6	14.6	14.4	13.5	13.9	14.0	14.1	0.9
UK	75.0	75.9	88.6	105.6	111.5	112.2	113.3	1.0
AL		6.7	16.8	29.5	7.0	6.0	6.4	6.2
ME						1.2	1.3	1.1
MK	2.3	2.5	2.5	2.3	2.7	3.2	3.2	2.5
RS				9.7	8.0	9.0	9.5	4.8
TR	188.1	263.2	354.3	501.9	595.5	638.5	666.3	4.4
IS	1.3	1.3	1.7	1.9	1.9	2.3	2.5	7.1
NO	21.2	32.5	36.7	28.8	20.3	17.1	16.7	-2.6
CH	31.2	36.5	40.3	45.8	52.8	62.4	65.7	5.3
LI			0.1	0.1	0.1	0.1	0.1	2.0

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

Road

GOODS VEHICLES

2.6.4

STOCK OF REGISTERED VEHICLES

	1 000							%
	1990	1995	2000	2005	2010	2014	2015	CHANGE '14/'15
EU-28		22862.2	27478.4	31710.0	34858.9	35863.1	36574.5	2.0
BE	380.4	442.5	588.8	662.3	744.8	813.8	838.1	3.0
BG	161.6	223.2	259.4	333.9	333.5	411.8	444.4	7.9
CZ		219.3	298.3	439.2	598.0	615.3	652.1	6.0
DK	286.6	333.8	384.9	469.5	485.1	439.6	437.1	-0.6
DE	1653.0	2378.7	2419.1	2404.9	2619.4	2889.8	2995.2	3.6
EE	67.7	65.6	82.1	86.2	81.2	96.6	101.8	5.4
IE	143.2	141.8	205.6	286.5	327.1	317.4	330.5	4.1
EL	766.4	883.8	1057.4	1186.5	1318.8	1322.6	1332.8	0.8
ES	2401.1	3024.2	3923.2	4849.6	5303.5	5025.5	5047.2	0.4
FR	4840.0	5116.0	5673.0	6115.0	6358.0	6519.0	6562.0	0.7
HR		73.5	122.5	162.9	157.7	143.7	149.0	3.7
IT	2207.9	2509.9	3087.0	3785.9	4141.8	4080.9	4097.8	0.4
CY	74.3	101.2	114.7	118.4	120.7	104.4	103.8	-0.6
LV		68.7	97.1	113.1	71.6	83.2	86.0	3.4
LT	83.0	108.9	98.6	122.5	133.9	99.7	102.9	3.2
LU	11.3	15.8	24.7	29.6	35.6	38.4	39.6	3.0
HU	262.0	278.0	352.6	412.9	451.3	478.4	496.2	3.7
MT		40.8	51.5	44.4	42.5	43.3	44.2	1.9
NL	553.0	654.0	899.0	1004.5	1004.0	948.8	963.1	1.5
AT	261.8	302.9	344.5	358.0	396.8	434.9	444.0	2.1
PL		1354.1	1879.1	2304.5	2981.6	3340.6	3428.0	2.6
PT	781.0	912.3	1313.2	1308.0	1337.0	1237.0	1229.0	-0.6
RO	258.7	343.1	427.2	493.8	667.2	806.5	856.3	6.2
SI	30.8	42.9	54.3	66.4	84.1	87.3	91.3	4.6
SK	92.0	102.6	114.0	174.2	276.0	293.9	302.9	3.1
FI	264.2	252.0	304.3	363.6	464.4	542.9	560.9	3.3
SE	309.5	307.7	374.2	461.2	526.4	581.2	596.2	2.6
UK	2706.0	2565.0	2928.3	3552.4	3796.9	4066.4	4242.2	4.3
AL		29.1	45.6	47.3	83.7	68.7	71.0	3.4
ME						13.8	14.3	3.7
MK		22.6	24.6	18.0	33.3	37.4	38.7	3.5
RS				118.3	151.7	139.2	139.9	0.5
TR		830.0	1351.8	2152.0	3125.4	3836.2	4059.6	5.8
IS	13.1	14.8	19.4	25.5	30.4	31.4	33.0	5.3
NO	308.3	349.5	414.3	465.4	527.0	550.9	554.1	0.6
CH	252.1	262.4	278.5	307.2	335.2	382.3	393.6	3.0
LI			2.5	2.6	2.8	3.1	3.2	2.4

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.

2.6.5

Road

POWERED TWO-WHEELERS

STOCK OF REGISTERED VEHICLES

	1 000						%
	1995	2000	2005	2010	2014	2015	CHANGE '14/'15
EU-28		23 389.2	29 831.9	34 401.3	35 202.6	35 509.1	0.9
BE		277.8	346.3	419.0	456.5	465.8	2.0
BG	519.3	520.5	146.5	125.4	154.8	163.3	5.5
CZ	915.2	748.1	794.0	924.3	998.8	1 046.5	4.8
DK	58.0	138.3	171.9	203.6	197.5	198.0	0.3
DE	3 995.5	4 438.1	5 202.9	5 870.9	6 181.7	6 248.6	1.1
EE	3.3	6.7	10.2	19.7	42.3	45.5	7.6
IE	23.5	30.6	34.3	38.1	36.6	37.0	1.1
EL		781.4	1 124.2	1 499.1	1 619.6	1 653.5	2.1
ES	1 301.2	1 445.6	4 117.6	4 997.7	5 033.2	5 102.7	1.4
FR	2 289.0	2 410.0	2 475.3	3 561.0	2 815.1	2 694.2	-4.3
HR	9.9	21.9	128.4	176.8	153.1	151.3	-1.2
IT	6 228.3	7 826.9	9 298.4	8 855.0	9 022.2	8 965.6	-0.6
CY	50.4	43.3	40.4	40.7	41.0	39.3	-4.1
LV	15.8	20.7	32.5	36.7	46.4	49.3	6.2
LT	20.0	19.8	24.0	56.3	33.2	37.8	13.8
LU	28.4	32.8	37.7	42.1	27.3	28.3	3.6
HU		91.2	122.7	142.3	161.5	162.8	0.8
MT	17.4	12.4	12.0	14.7	18.4	20.1	9.2
NL	855.0	970.8	1 112.9	1 659.8	1 772.2	1 798.1	1.5
AT	546.4	632.7	627.7	727.9	788.2	799.9	1.5
PL	929.0	803.0	1 091.2	1 935.1	2 406.1	2 531.5	5.2
PT	216.3	345.9	588.4	498.0	486.0	501.5	3.2
RO	327.7	239.2	197.4	85.2	107.3	112.9	5.2
SI	8.5	11.2	48.7	91.0	95.8	100.3	4.7
SK	81.8	45.6	56.4	59.6	80.8	88.7	9.7
FI	159.5	193.4	301.8	486.8	568.2	581.1	2.3
SE	264.2	310.1	453.1	570.2	618.6	632.6	2.3
UK	714.0	971.0	1 235.0	1 264.4	1 240.2	1 253.1	1.0
AL	6.9	3.8	7.2	24.0	31.0	33.1	6.8
ME					3.7	4.2	13.4
MK			1.7	7.8	8.6	10.1	16.4
RS			16.0	37.9	63.2	64.2	1.7
TR	819.9	1 011.3	1 441.1	2 389.5	2 828.5	2 938.4	3.9
IS	1.9	2.3	4.2	9.7	10.3	10.4	0.9
NO	158.6	201.6	257.5	315.5	345.2	354.3	2.6
CH	688.5	712.7	748.0	790.8	852.6	869.9	2.0
LI		2.6	3.1	3.7	4.2	4.3	2.6

Notes: Stock at end of year, except for BE: 1 August, CH: 30 September, LI: 1 July. National vehicle stock data do not always include all powered two-wheelers and are therefore not fully comparable between countries. Tricycles and quads are sometimes included in the data. Break in time series due to inclusion of mopeds from 2001 in ES, from 2002 in SI and HR, from 2004 in LV, from 2005 in PL, from 2007 in LT, from 2011 in EE.

Road

PASSENGER CARS

2.6.6

NEW VEHICLE REGISTRATIONS

	1 000						%
	2000	2005	2010	2014	2015	2016	CHANGE '15/'16
EU-28		15 194.3	13 438.2	12 557.2	13 713.4	14 647.6	6.8
BE	515.2	480.1	547.3	482.9	501.1	539.3	7.6
BG		32.7	15.6	21.2	24.3	27.5	13.2
CZ		151.7	169.6	192.3	230.9	259.7	12.5
DK	112.7	146.9	153.6	188.6	207.0	222.9	7.7
DE	3 378.3	3 319.3	2 916.3	3 036.8	3 206.0	3 351.6	4.5
EE		19.6	10.3	21.1	21.0	23.0	9.3
IE	230.8	171.7	88.4	96.3	124.8	146.7	17.5
EL	290.2	269.7	141.5	71.2	75.8	78.9	4.0
ES	1 381.3	1 528.9	982.0	855.3	1 034.2	1 147.0	10.9
FR	2 133.9	2 067.8	2 251.7	1 795.9	1 917.2	2 015.2	5.1
HR	92.4	102.1	46.2	34.0	35.7	44.1	23.5
IT	2 423.1	2 237.4	1 961.6	1 360.6	1 569.1	1 824.4	16.3
CY	8.2	19.2	15.1	8.3	10.1	12.5	23.7
LV		16.6	6.4	12.5	13.8	16.4	18.8
LT		10.5	8.0	14.5	17.1	20.3	18.8
LU	41.9	48.5	49.7	49.8	46.5	50.7	9.2
HU		199.0	43.5	67.5	77.2	96.6	25.1
MT		6.6	4.1	6.5	7.1	7.3	3.0
NL	597.6	465.2	482.6	387.6	448.9	382.8	- 14.7
AT	309.4	307.9	328.6	303.3	308.6	329.6	6.8
PL		235.5	333.5	325.4	352.4	417.9	18.6
PT	257.8	206.5	223.5	142.8	178.5	207.3	16.2
RO (¹)		172.5	106.3	70.2	81.2	94.9	17.0
SI		59.3	61.1	54.0	59.7	59.0	- 1.2
SK		57.1	64.0	72.3	78.0	88.2	13.1
FI	134.6	147.9	107.3	106.3	108.8	118.9	9.2
SE	290.5	274.3	289.7	303.9	345.1	372.3	7.9
UK	2 221.7	2 439.7	2 030.8	2 476.4	2 633.5	2 692.8	2.3
AL							
ME			8.6	13.0	13.7	15.9	16.1
MK		15.9	49.3	29.8	29.3	30.3	3.5
RS				105.4	112.6	136.3	21.0
TR		406.8	485.6	585.8	746.4	746.1	0.0
IS	13.6	18.1	3.1	9.5	14.0	18.5	31.9
NO	97.4	109.9	127.8	144.2	150.7	154.6	2.6
CH	316.5	264.9	292.5	300.1	321.7	315.5	- 1.9

Notes: (¹) Data for Romania refers to sales (APIA).
2016 figures are provisional.
For registrations, see ACAROM figures at www.acea.be

2.6.7

Road

GOODS VEHICLES

NEW VEHICLE REGISTRATIONS

	LIGHT COMMERCIAL VEHICLES			COMMERCIAL VEHICLES			HEAVY COMMERCIAL VEHICLES		
	<3.5 t		%	>3.5 t & <16 t		%	>16 t		%
	2015	2016	CHANGE '15/'16	2015	2016	CHANGE '15/'16	2015	2016	CHANGE '15/'16
EU-28	1 723 535	1 924 440	11.7						
BE	63 856	70 849	11.0	2 374	2 495	5.1	6 992	8 243	17.9
BG	13 665	12 591	-7.9	(¹)	(¹)		(¹)	(¹)	
CZ	17 272	19 236	11.4	1 830	1 635	-10.7	9 556	10 227	7.0
DK	32 456	36 624	12.8	390	506	29.7	4 363	4 593	5.3
DE	237 922	258 119	8.5	27 765	27 180	-2.1	61 958	65 278	5.4
EE	3 897	4 353	11.7	53	39	-26.4	714	839	17.5
IE	23 403	27 514	17.6	759	937	23.5	1 491	2 103	41.0
EL	5 652	5 623	-0.5	185	116	-37.3	280	205	-26.8
ES	154 795	172 191	11.2	3 178	3 759	18.3	19 390	21 087	8.8
FR	377 741	408 545	8.2	5 925	6 557	10.7	36 855	41 600	12.9
HR	6 843	8 316	21.5	228	268	17.5	749	1 057	41.1
IT	133 680	199 534	49.3	3 318	4 641	39.9	12 011	16 515	37.5
CY	1 442	1 764	22.3	36	58	61.1	11	12	9.1
LV	2 348	2 218	-5.5	76	57	-25.0	1 179	1 531	29.9
LT	2 369	2 791	17.8	105	113	7.6	3 497	5 891	68.5
LU	3 949	4 593	16.3	147	143	-2.7	1 005	1 145	13.9
HU	17 516	21 335	21.8	471	475	0.8	5 231	5 038	-3.7
MT	608	742	22.0	(¹)	(¹)		(¹)	(¹)	
NL	57 376	70 025	22.0	1 602	1 771	10.5	12 478	13 949	11.8
AT	32 852	35 906	9.3	830	842	1.4	6 461	7 150	10.7
PL	50 307	56 926	13.2	2 127	2 108	-0.9	20 303	24 522	20.8
PT	30 858	34 862	13.0	577	549	-4.9	3 464	4 008	15.7
RO	11 356	14 372	26.6	347	402	15.9	5 778	7 630	32.1
SI	6 639	7 738	16.6	164	184	12.2	1 743	2 208	26.7
SK	7 289	7 459	2.3	368	474	28.8	4 079	4 138	1.4
FI	11 522	13 678	18.7	548	651	18.8	2 122	2 598	22.4
SE	44 799	51 647	15.3	607	560	-7.7	4 849	5 960	22.9
UK	371 123	374 889	1.0	11 652	7 739	-33.6	36 238	16 939	-53.3
IS	1 269	1 624	28.0	104	132	26.9	116	186	60.3
NO	33 235	36 002	8.3	1 321	1 610	21.9	3 894	4 378	12.4
CH	33 526	33 250	-0.8	1 026	1 138	10.9	3 390	3 345	-1.3

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

CY: vehicle classification corresponds to 'light', 'heavy' and 'road tractors' goods conveyance vehicles.

Road

BUSES AND COACHES

2.6.8

NEW VEHICLE REGISTRATIONS

	LIGHT BUSES & COACHES		BUSES & COACHES		HEAVY BUSES & COACHES		TOTAL		CHANGE '15/'16
	<3.5 t		>3.5 t & <16 t		>16 t				
	2015	2016	2015	2016	2015	2016	2015	2016	
EU-28							46 713	38 896	-16.7
BE	0	0	288	217	635	450	923	667	-27.7
BG	332	506	(¹)	(¹)	(¹)	(¹)	332	506	52.4
CZ	5	2	189	151	1 159	850	1 353	1 003	-25.9
DK	474	539	281	309	169	157	924	1 005	8.8
DE	19	11	1 174	1 097	4 945	5 575	6 138	6 683	8.9
EE	1	0	125	112	106	59	232	171	-26.3
IE	0	26	61	136	303	337	364	499	37.1
EL	71	87	19	28	32	75	122	190	55.7
ES		0	694	848	1 923	2 452	2 617	3 300	26.1
FR	0	0	1 478	1 424	5 867	5 169	7 345	6 593	-10.2
HR	4	0	67	59	62	123	133	182	36.8
IT	40	33	850	1 268	1 549	1 379	2 439	2 680	9.9
CY	82	55	(¹)	(¹)	(¹)	(¹)	37	55	48.6
LV	0	0	123	138	119	43	242	181	-25.2
LT	0	0	166	213	29	50	195	263	34.9
LU	0	0	17	24	234	172	251	196	-21.9
HU	7	4	138	117	401	290	546	411	-24.7
MT	34	32	143	33	2	0	179	65	-63.7
NL		0	53	233	291	607	344	840	144.2
AT	3	2	106	135	790	906	899	1 043	16.0
PL	4 298	3	1 398	1 068			5 696	1 071	-81.2
PT	5	0	101	148	146	222	252	370	46.8
RO	43	12	2 251	1 007	181	106	2 475	1 125	-54.5
SI	2	1	75	61	88	127	165	189	14.5
SK			379	364	(¹)	(¹)	378	363	-4.0
FI	2	6	276	315	246	264	524	585	11.6
SE		3	334	333	996	997	1 330	1 333	0.2
UK	2 094	1 069	5 689	4 614	2 495	1 644	10 278	7 327	-28.7
IS	72	144	7	21	31	89	110	254	130.9
NO	50	73	380	342	540	983	970	1 398	44.1
CH	386	169	148	165	589	480	1 123	814	-27.5

Note: (¹) Figures included in other categories.

2.6.9

Road MOTORCYCLES

NEW VEHICLE REGISTRATIONS

	1 000						%
	1995	2000	2005	2010	2014	2015	CHANGE '14/'15
EU-28			1 337.1	1 099.2	809.9	895.0	10.5
BE		25.3	25.0	26.4	20.7	21.6	4.3
BG		1.2	0.6	0.9	0.6	0.8	19.2
CZ	6.9	3.9	7.6	5.4	12.4	13.4	7.9
DK	2.3	3.3	5.8	3.1	1.9	2.4	24.8
DE	218.2	252.6	168.7	122.3	141.6	151.7	7.1
EE		0.1	0.3	0.5	0.4	0.5	8.9
IE		3.8	2.4	1.1	0.4	1.0	183.9
EL		64.0	83.1	61.5	31.0	32.5	4.9
ES		72.0	205.6	135.3	111.5	132.5	18.9
FR		179.6	196.6	231.6	153.3	153.2	-0.1
HR			6.7	2.9	2.5	1.5	-38.5
IT		524.6	420.5	320.4	156.4	172.1	10.0
CY			2.5	3.1	1.9	1.7	-12.0
LV			0.4	0.3	0.6	0.6	1.0
LT		0.4	1.7	0.2	0.3	0.3	0.0
LU	1.0	1.3	1.3	1.6	1.7	1.7	-4.6
HU			12.5	3.2	1.8	2.1	14.6
MT			0.4	0.6	1.1	1.4	20.6
NL	17.8	19.6	16.8	15.2	10.7	11.7	9.5
AT	18.7	23.8	19.1	21.4	25.2	24.9	-1.0
PL			3.8	8.7	9.8	23.9	142.3
PT	12.1	17.7	11.2	18.9	15.3	17.6	14.8
RO			0.8	5.7	0.5	0.6	21.9
SI		1.2	2.5	2.7	1.7	1.9	8.7
SK			1.2	2.3	3.1	5.3	71.5
FI		5.2	9.2	9.5	3.5	3.2	-8.9
SE		18.4	22.8	13.2	8.4	9.4	12.5
UK		121.9	108.1	81.3	91.5	105.7	15.5
AL							
ME					0.6	0.7	27.0
MK	1.0	0.5	0.1	3.2	2.6	2.4	-6.4
RS				8.0	4.1	3.5	-14.7
TR			227.7	135.6	178.2	162.8	-8.6
IS		0.2	1.1				
NO			6.2	7.0	6.8	9.7	43.0
CH		30.6	40.2	38.2	43.6	47.7	9.4

Notes: CY: new and used.

IT: all two-wheelers over 50cc.

Road MOPEDS

2.6.10

NEW VEHICLE DELIVERIES

	1 000					%
	2000	2005	2010	2014	2015	CHANGE '14/'15
EU-28			<i>646.6</i>	<i>367.7</i>	<i>344.9</i>	-6.2
BE	33.2	17.3	14.2	10.9	12.4	13.2
BG	2.1	1.1	2.1	1.1	0.8	-25.1
CZ		8.0	2.9	1.8	1.5	-16.7
DK	9.8	4.9	16.5	7.6	6.9	-9.4
DE	108.7	97.3	64.9	34.2	32.6	-4.6
EE		8.0	0.0	0.7	0.7	-8.5
IE	3.0	0.8	0.2	0.1	0.2	61.0
EL	19.2	24.1	18.9	8.1	7.5	-6.9
ES	248.6	115.1	34.2	14.8	16.0	7.7
FR	192.3	154.9	144.5	98.2	89.6	-8.7
HR		13.2	6.4	3.4	2.6	-23.0
IT	311.8	128.3	88.4	28.4	24.6	-13.2
CY		2.1	0.5	0.2	0.2	-21.8
LV		0.6	1.0	1.2	1.0	-17.6
LT			1.2	0.9	0.7	-21.1
LU	0.5	0.5	0.7	1.0	0.9	-8.3
HU			3.6	3.2	3.3	1.1
MT				0.0	0.0	50.0
NL	66.9	40.9	93.7	62.9	65.9	4.8
AT	21.3	27.7	24.9	15.2	13.8	-9.4
PL		23.3	72.2	40.7	30.4	-25.3
PT	15.0		4.6	2.3	2.6	12.0
RO				1.1	0.7	-39.5
SI		3.1	3.5	2.2	2.3	3.2
SK		2.0	1.8	0.7	0.6	-24.0
FI	6.4	20.9	17.9	7.2	7.0	-3.2
SE	10.0	15.4	13.3	8.7	10.7	23.0
UK	48.2	24.7	14.5	10.6	9.4	-11.5
AL						
ME						
MK						
RS			8.8	4.9	3.2	-35.4
TR			1.5	1.8	2.3	28.8
IS						
NO		11.9	8.1	7.4	7.4	-0.4
CH	19.4	3.1	3.1	0.9	0.8	-4.0

Note: CY: new and used.

2.6.11

Sea

EU MERCHANT FLEET

SHIPS OF 1 000 gt AND OVER

ON 1 JANUARY 2016								
	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>
EU-28	13 340	625.711	3 300	139.348	10 040	486.366		
BE	196	20.068	66	7.186	130	12.883	66.3%	64.2%
BG	70	1.276	14	0.103	56	1.173	80.0%	91.9%
CZ	-	-	-	-	-	-	-	-
DK	862	37.726	329	15.774	533	21.953	61.8%	58.2%
DE	3 456	120.793	217	11.251	3 239	109.542	93.7%	90.7%
EE	64	0.245	10	0.018	54	0.227	84.4%	92.7%
IE	86	1.433	31	0.287	55	1.146	64.0%	80.0%
EL	4 439	324.406	750	68.784	3 689	255.622	83.1%	78.8%
ES	176	2.450	90	0.501	86	1.949	48.9%	79.6%
FR	281	10.901	115	3.122	166	7.779	59.1%	71.4%
HR	92	2.731	58	1.640	34	1.091	37.0%	39.9%
IT	1 085	46.329	482	14.515	603	31.814	55.6%	68.7%
CY	151	5.315	51	1.676	100	3.639	66.2%	68.5%
LV	54	0.951	10	0.047	44	0.905	81.5%	95.2%
LT	56	0.338	19	0.168	37	0.170	66.1%	50.3%
LU	-	-	-	-	-	-	-	-
HU	-	-	-	-	-	-	-	-
MT	29	0.273	22	0.145	7	0.128	24.1%	46.9%
NL	908	10.764	637	5.563	271	5.201	29.8%	48.3%
AT	6	0.043	-	-	6	0.043	100.0%	100.0%
PL	107	2.437	8	0.026	99	2.411	92.5%	98.9%
PT	39	0.952	18	0.085	21	0.867	53.8%	91.1%
RO	80	0.883	2	0.024	78	0.859	97.5%	97.3%
SI	4	0.018	-	-	4	0.018	100.0%	100.0%
SK	-	-	-	-	-	-	-	-
FI	107	1.884	74	0.824	33	1.060	30.8%	56.3%
SE	331	6.417	84	1.068	247	5.349	74.6%	83.4%
UK	661	27.078	213	6.541	448	20.537	67.8%	75.8%
AL	22	0.082	12	0.039	10	0.043	45.5%	52.4%
ME	6	0.143	4	0.140	2	0.003	33.3%	2.1%
MK	-	-	-	-	-	-	-	-
RS	-	-	-	-	-	-	-	-
TR	1 532	28.827	548	8.196	984	20.632	64.2%	71.6%
IS	19	0.119	1	0.000	18	0.118	94.7%	99.2%
NO	1 605	64.029	497	15.796	1 108	48.233	69.0%	75.3%
CH	196	9.110	49	1.700	147	7.410	75.0%	81.3%

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

Russia: 1 449 ships, 21.054 mio dwt;

Monaco: 44 ships, 2.772 mio dwt;

Ukraine: 361 ships, 3.554 mio dwt;

Gibraltar: 7 ships, 0.032 mio dwt.

Sea – WORLD MERCHANT FLEET 2.6.12a

BY WORLD REGION

TOTAL CONTROLLED FLEET BY WORLD REGION

	dwt (million)					
	On 1 January:					
World region	1995	2000	2005	2010	2015	2016
Europe (*)	311.246	350.136	400.947	518.276	739.100	773.535
of which: EU-28 (**)	223.564	257.975	316.850	432.246	600.143	625.711
North America	51.024	49.413	45.414	50.539	82.881	91.419
Latin America	18.691	15.679	14.422	30.867	29.608	26.721
Asia / Oceania	246.722	292.722	361.311	532.446	805.594	819.712
Africa	6.742	7.121	5.142	6.981	13.451	13.689
Unknown	37.956	38.115	52.687	86.555	4.561	7.385
TOTAL	672.381	753.226	879.923	1225.665	1652.479	1707.066

SHARE OF EU IN TOTAL AND OF FOREIGN FLAG IN EU

	%					
EU-28 (**) control of total	33.2	34.2	36.0	35.3	36.3	36.7
EU-28: Foreign flag share (***)	56.5	68.1	67.8	69.4	75.5	77.7

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.

2.6.12b Sea – WORLD MERCHANT FLEET BY TYPE OF SHIP

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

	ON 1 JANUARY 2016					
	NUMBERS			DEADWEIGHT		
	Number			dwt (1 000)		
(ships of 1 000 gt and over)	WORLD	EU-28	%	WORLD	EU-28	%
TOTAL FLEET	41 822	13 340	32	1 707 066	625 711	37
Tankers	11 511	3 514	31	597 131	217 969	37
OF WHICH:						
Crude oil and oil product tankers	5 402	1 461	27	441 854	158 768	36
Oil / chemical tankers	4 564	1 604	35	1 010 333	45 576	45
Liquid gas tankers	1 545	449	29	54 244	13 625	25
Bulk carriers	10 507	3 123	30	752 104	233 550	31
Container ships	5 226	2 768	53	244 165	140 298	57
General cargo	12 383	3 198	26	1 075 566	315 114	29
OF WHICH:						
Conventional cargo	8 647	2 099	24	474 462	134 711	28
Special cargo (*)	1 380	513	37	36 340	10 939	30
Pure car carriers	781	105	13	12 358	1 527	12
Reefer	697	197	28	4 353	1 819	42
Ro-Ro cargo	878	284	32	7 052	3 758	53
Passenger and passenger cargo	2 195	737	34	6 110	2 382	39

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

	ON 1 JANUARY 2016					
	NUMBERS			GROSS TONS		
	Number			gt (1 000)		
(ships of 300 gt and over)	WORLD	EU-28	%	WORLD	EU-28	%
TOTAL	4 316	1 295	30	37 374	15 797	42
Cargo passenger and Ro-Ro passenger ships	2 641	875	33	17 180	9 448	55
Passenger (not Ro-Ro)	1 675	420	25	20 194	6 349	31
UP TO DECEMBER 2016 (**)						
Cruise ships by registered flag (ships of 1 000 gt and over)	301	97	32	19 759	6 316	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

2.6.13

PASSENGER AIRCRAFT

NUMBER OF CIVIL AIRCRAFT IN SERVICE

ON 31 DECEMBER 2016					PASSENGER AIRCRAFT
	50 seats or less	51 to 150 seats	151 to 250 seats	251 seats and more	TOTAL
EU-28	286	1 203	2 060	604	4 148
BE	1	39	26	11	77
BG	6	13	12	1	32
CZ	5	13	11	1	30
DK	20	35	40	5	100
DE	18	177	318	120	633
EE		4	2		6
IE	3	43	405	10	461
EL	13	16	46		75
ES	8	118	174	63	363
FR	51	133	111	99	394
HR		11	3		14
IT		70	74	32	176
CY	2	2	1		
LV	2	28	9		39
LT	4	7	6		17
LU		12	4		16
HU	2		75		77
MT	5	2	5	1	13
NL	8	71	71	61	211
AT	1	46	47	5	99
PL	6	36	20	7	69
PT	8	42	34	27	111
RO	7	27	15		49
SI	8	13			21
SK			8		8
FI		33	23	17	73
SE	22	45	10	2	79
UK	86	167	510	142	905
AL					
ME					
MK					
RS					
TR		26	377	69	472
IS	9	3	35	5	52
NO	31	50	142	20	243
CH	26	39	93	8	166
LI					

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

2.6.14

Air

FREIGHT, SPECIAL, BUSINESS AIRCRAFT

NUMBER OF CIVIL AIRCRAFT IN SERVICE

ON 31 DECEMBER 2016

	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		
EU-28	156	212	30	183	2 037
BE		25			59
BG	6	5		2	13
CZ				7	47
DK	2	16	5	1	66
DE	9	59		34	406
EE	9			1	7
IE	23	4			32
EL	5			2	21
ES	36	9	6	10	78
FR		13	5	42	137
HR				2	7
IT	1	4	1	28	86
CY					7
LV	6				4
LT	1			1	10
LU		22		6	79
HU	4	5	1	1	8
MT			1	1	154
NL		4		4	25
AT				7	206
PL	12		2	6	28
PT				2	117
RO				1	6
SI		1			16
SK		2		3	11
FI				3	8
SE	39	2	1	6	39
UK	3	41	8	13	360
AL					
ME					
MK				1	
RS					
TR		19		27	93
IS		9		1	
NO					9
CH	13			7	129
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

2.6.15

LOCOMOTIVES AND RAILCARS

STOCK OF VEHICLES

	1990	2000	2005	2010	2014	2015	% CHANGE '14/'15
EU-28	66278		47923	59851	63753	62052	-2.7
BE	1727	1670	1518	1341	1188	1188	0.0
BG	1119	762	669	624	313	440	40.6
CZ		3596	3163	2258	2262	2212	-2.2
DK	524	415	464	495	501	323	-35.5
DE	14437	9656	7742	15613	16693	16613	-0.5
EE	300	196	344	374	368	358	-2.7
IE	166	172	412	572	620	570	-8.1
EL	400	244	289	306	308	308	0.0
ES	1922	1693	1946	1732	1959	1634	-16.6
FR	7279	7158	7354	6768	5747	5560	-3.3
HR	563	480	377	284	301	298	-1.0
IT	4818	4697	4674	4494	3285	2631	-19.9
CY	-	-	-	-	-	-	-
LV	739	433	358	196	205	204	-0.5
LT	389	419	365	275	250	240	-4.0
LU	97	124	145	91	43	43	0.0
HU	2040	1453	1385	1275	1229	1225	-0.3
MT	-	-	-	-	-	-	-
NL	2372	1965	2078	2411	2851	2780	-2.5
AT	1543	1530	1500	1233	1548	1541	-0.5
PL	6801	5293	5828	5657	5615	5526	-1.6
PT	530	589	439	275	309	231	-25.2
RO	4515	3440	2186	2229	2302	2329	1.2
SI	358	300	261	267	405	401	-1.0
SK		1570	1204	1035	1029	978	-5.0
FI	669	735	702	644	659	650	-1.4
SE	1350	1032	1377	1927	2416	2422	0.2
UK	5610		3177	10710	11347	11347	0.0
AL							
ME	-	-	-	-	-	-	-
MK	92	101	73	63	53	53	0.0
RS					485	335	-30.9
TR	897	849	735	673	817	851	4.2
IS	-	-	-	-	-	-	-
NO	502	299	289	544	712	845	18.7
CH	1254	1528	2198	1745	1632	1694	3.8

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: 1990 = 6331.
CS: 1990 = 6010.

2.6.16

Rail

PASSENGER TRANSPORT VEHICLES

STOCK OF COACHES, RAILCARS AND TRAILERS

	1990	2000	2005	2010	2014	2015	% CHANGE '14/'15
EU-28		<i>110861</i>	<i>101768</i>	<i>104906</i>	<i>102815</i>	<i>96257</i>	-6.4
BE	3286	3494	3251	3412	2345	2345	0.0
BG	2386	2099	1558	1369	759	756	-0.4
CZ		5252	4895	4514	4363	4139	-5.1
DK	1594	1590	1473	1307	2029	2209	8.9
DE	24139	21097	20169	18565	21217	18990	-10.5
EE	596	241	234	217	280	280	0.0
IE	314	421	581	592	653	653	0.0
EL	810	505	564	718	724	724	0.0
ES	3839	3765	5239	5665	5418	4336	-20.0
FR	15748	15656	15879	16890	17556	17335	-1.3
HR	1052	720	579	523	529	545	3.0
IT	14025	11914	10066	12465	9492	6479	-31.7
CY	-	-	-	-	-	-	-
LV	1226	702	490	238	238	374	57.1
LT	664	563	467	337	234	217	-7.3
LU	114	149	185	214	210	210	0.0
HU	4385	3232	2787	3136	2499	2495	-0.2
MT	-	-	-	-	-	-	-
NL	2268	2742	852	2824	2849	2791	-2.0
AT	3689	3468	3112	2974	2664	2646	-0.7
PL	11928	9761	8843	7885	7406	7409	0.0
PT	1232	1303	1125	965	980	977	-0.3
RO	6352	6234	3310	3037	2329	2329	0.0
SI	606	461	401	355	355	349	-1.7
SK		2273	1808	1530	1395	1406	0.8
FI	957	1003	1084	1071	1181	1101	-6.8
SE	1747	1748	1882	2352	2806	2858	1.9
UK		<i>10468</i>	<i>10934</i>	<i>11751</i>	<i>12304</i>	<i>12304</i>	0.0
AL							
ME	-	-	-	-	-	-	-
MK	175	164	125	64	68	67	-1.5
RS					732	882	20.5
TR	1443	1415	1312	1342	1307	1467	12.2
IS	-	-	-	-	-	-	-
NO	900	918	191	210	383	384	0.3
CH	4136	3333	4293	4949	4865	5245	7.8

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

DE: includes DE-E: 1990 = 9635.

CS: 1990 = 8597.

Rail

2.6.17

GOODS TRANSPORT WAGONS

STOCK OF VEHICLES

	1990	2000	2005	2010 (*)	2014 (*)	2015 (*)
EU-28						
BE	30332	18790	17375	11612	11612	11612
BG	42459	29720	16511	11751	5325	4572
CZ		58524	44545	27416	25965	25863
DK	4632	2236				
DE	366724	189558	158247	108840	91787	88066
EE		5857	18971	17575	21188	21501
IE	1830	1856	926	502	450	449
EL	10967	3453	3491	3158	3184	3184
ES	37687	26452	23842	14337	13702	11353
FR	148100	94789	95738	25314	15017	14052
HR	13720	9986	7330	6674	5518	5519
IT	99728	70115	45730	30331	20515	20270
CY	-	-	-	-	-	-
LV	11085	9146	8871	9033	12420	11888
LT	12860	13155	13192	9238	8784	8574
LU	2719	2626	3222	4147	3255	3255
HU		23528	19130	11357	9509	8916
MT	-	-	-	-	-	-
NL	6697	4700				
AT	34330	23970	22655	28605	18544	17569
PL	275582	130116	103234	89270	87538	86364
PT	4579	4162	3495	3194	3283	3283
RO	166086	117982	65175	72605	35899	36858
SI	8692	6258	4465	3211	3148	3049
SK		26975	25515	15260	14970	15533
FI	15200	12630	11216	10464	9078	8854
SE	27470	17596	16637	15166		
UK	34403					
AL						
ME	-	-	-	-	-	-
MK			1525	1144	1011	1161
RS					8486	8486
TR	21941	17872	17499	17773	18967	19077
IS	-	-	-	-	-	-
NO						
CH	27104	19894	18339	8794	6816	6458

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: 1990 = 163158.

2.7.1

Road Fatalities

	1990	2000	2005	2010	2014	2015	%	
							CHANGE '14/'15	CHANGE '01/'15
EU-28	77 337	57 082	45 943	31 506	25 974	26 134	0.7	-52.4
BE	1976	1470	1089	840	727	732	0.7	-50.7
BG	1567	1012	957	776	661	708	7.1	-30.0
CZ	1291	1486	1286	802	688	734	6.7	-44.9
DK	634	498	331	255	182	178	-2.2	-58.7
DE	11 046	7 503	5 361	3 648	3 377	3 459	2.4	-50.4
EE	436	204	170	79	78	67	-14.1	-66.3
IE	478	418	400	212	193	166	-14.0	-59.7
EL	2 050	2 037	1 658	1 258	795	793	-0.3	-57.8
ES	9 032	5 777	4 442	2 479	1 688	1 689	0.1	-69.4
FR	11 215	8 079	5 318	3 992	3 384	3 461	2.3	-57.6
HR	1 360	655	597	426	308	348	13.0	-46.2
IT	7 151	7 061	5 818	4 114	3 381	3 428	1.4	-51.7
CY	116	111	102	60	45	57	26.7	-41.8
LV	947	635	442	218	212	188	-11.3	-66.3
LT	933	641	773	299	267	242	-9.4	-65.7
LU	70	76	47	32	35	36	2.9	-48.6
HU	2 432	1 200	1 278	740	626	644	2.9	-48.0
MT	4	15	17	13	10	11	10.0	-31.3
NL	1 376	1 082	750	537	477	531	11.3	-46.5
AT	1 391	976	768	552	430	479	11.4	-50.0
PL	7 333	6 294	5 444	3 908	3 202	2 938	-8.2	-46.9
PT	2 646	1 877	1 247	937	638	593	-7.1	-64.5
RO	3 782	2 466	2 629	2 377	1 818	1 893	4.1	-22.7
SI	517	314	258	138	108	120	11.1	-56.8
SK	731	628	606	371	291	310	6.5	-49.5
FI	649	396	379	272	229	266	16.2	-38.6
SE	772	591	440	266	270	259	-4.1	-55.6
UK	5 402	3 580	3 336	1 905	1 854	1 804	-2.7	-49.9
AL		280	307	352	264	270	2.3	-9.1
ME				95	65	51	-21.5	
MK		162	143	162	130	148	13.8	38.3
RS				656	536	601	12.1	
TR	6 317	5 510	4 505	4 045	3 524	7 530	-	
IS	24	32	19	8	4	16	300.0	-33.3
NO	332	341	224	208	147	123	-16.3	-55.3
CH	954	592	409	328	243	253	4.1	-53.5

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. As of 2015 TR includes people deceased within 30 days after the accident (break in series).

Road Fatalities Country Rankings 2.7.2

FATALITIES

2015					
per million inhabitants		per 10 billion pkm		per million passenger cars	
MT	25	SE	23	MT	41
SE	26	UK	27	SE	56
UK	28	DK	31	UK	58
DK	31	IE	32	NL	66
NL	31	DE	37	DK	75
IE	35	NL	37	ES	76
ES	36	FI	39	DE	77
DE	42	MT	43	FI	82
FI	49	SI	46	IE	84
EE	51	FR	47	IT	92
EU-28	51	IT	48	LU	95
FR	52	LU	48	EE	101
AT	55	ES	51	AT	101
IT	56	EE	52	EU-28	104
SK	57	EU-28	54	FR	108
PT	57	AT	60	SI	112
SI	58	BE	68	CY	118
LU	63	PT	69	BE	130
BE	65	EL	76	PT	131
HU	65	CY	90	PL	144
CY	67	LT	94	CZ	148
CZ	70	CZ	100	EL	154
EL	73	SK	109	SK	156
PL	77	HU	115	LT	198
HR	83	BG	122	HU	204
LT	83	HR	131	BG	229
LV	95	LV	133	HR	234
RO	96	PL	144	LV	281
BG	99	RO	202	RO	376

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 2015.

Pkm: indicator of traffic volume (in the absence of consistent vehicle-kilometre data); passenger-kilometres of cars indicated in table 2.3.4 for 2015 plus (mostly estimated) passenger-kilometres of motorised two-wheelers.

Inhabitants: the average population at 1 January 2015 and 1 January 2016.

Passenger cars: the average stock of vehicles indicated in table 2.6.2 for 2014 and 2015.

2.7.3a

Road Fatalities

BY TYPE OF USER

	YEAR	TOTAL	DRIVER	PASSENGER	PEDESTRIAN	PEDESTRIAN AS A % OF TOTAL
BE	2015	724	539	93	92	12.7
BG	2009	901	436	267	198	22.0
CZ	2015	734	458	126	150	20.4
DK	2015	178	127	24	27	15.2
DE	2015	3 459	2 484	430	545	15.8
EE	2015	66	28	14	24	36.4
IE	2013	188	124	33	31	16.5
EL	2015	793	545	120	128	16.1
ES	2015	1 689	1 048	274	367	21.7
FR	2015	3 459	2 371	622	466	13.5
HR	2015	348	225	62	61	17.5
IT	2015	3 428	2 349	477	602	17.6
CY	2015	57	33	8	16	28.1
LV	2015	188	85	40	63	33.5
LT	2015	240	103	56	81	33.8
LU	2015	36	26	3	7	19.4
HU	2015	644	353	142	149	23.1
MT	2015	11	4	2	5	45.5
NL	2015	494	403	31	60	12.1
AT	2015	479	332	63	84	17.5
PL	2015	2 938	1 484	539	915	31.1
PT	2015	593	363	84	146	24.6
RO	2015	1 893	800	444	649	34.3
SI	2015	119	83	20	16	13.4
SK	2010	371	170	75	126	34.0
FI	2015	266	191	43	32	12.0
SE	2014	270	178	40	52	19.3
UK	2015	1 804	1 106	271	427	23.7

Notes: Persons deceased within 30 days of their accident.
 In this table the totals exclude the victims labelled as 'Unknown'.
 'Driver' includes cyclists.

Road Fatalities of Vehicle Occupants 2.7.3b

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	2015	640	361	4	16	37	100	19	83	4	16
BG	2009	703	570	5	33	-	48	5	29	1	12
CZ	2015	584	365	1	9	15	91	6	84	4	9
DK	2015	151	74	0	2	9	19	19	26	0	2
DE	2015	2914	1624	5	84	62	639	62	383	25	30
EE	2015	43	35	1	0	-	0	0	0	0	7
IE	2013	157	107	0	2	12	26	-	5	-	5
EL	2015	665	314	3	11	44	237	32	11	12	1
ES	2015	1322	693	2	59	93	329	56	58	21	11
FR	2015	2993	1796	43	56	120	614	155	149	5	55
HR	2015	287	164	1	6	5	58	14	34	5	0
IT	2015	2826	1476	6	44	118	773	105	251	22	31
CY	2015	41	24	0	0	0	13	2	1	0	1
LV	2015	125	85	2	5	3	7	6	9	6	2
LT	2015	161	115	1	3	1	13	3	22	0	3
LU	2015	29	16	0	1	6	6	0	0	0	0
HU	2015	495	304	1	11	17	50	27	83	-	2
MT	2015	11	8	1	-	-	2	-	-	-	-
NL	2015	471	214	1	9	15	43	35	107	2	45
AT	2015	395	241	0	8	12	83	8	39	3	1
PL	2015	2023	1332	14	74	-	208	65	300	15	15
PT	2015	447	214	8	10	46	73	42	25	13	16
RO	2015	1244	787	18	15	77	55	34	162	7	89
SI	2015	104	38	0	1	0	25	1	14	2	23
SK	2010	245	171	0	19	1	27	-	27	-	0
FI	2015	234	156	0	4	13	20	2	30	5	4
SE	2014	218	122	2	5	8	31	8	33	0	9
UK	2015	1377	798	7	33	34	361	8	100	7	29

Note: Persons deceased within 30 days of their accident.

2.7.4

Road Accidents

NUMBER OF ACCIDENTS INVOLVING PERSONAL INJURY

	1 000							%
	1990	1995	2000	2005	2010	2014	2015	CHANGE '14/'15
EU-28	1 502.077	1 433.020	1 505.653	1 341.981	1 130.398	1 080.756	1 090.042	0.9
BE	62.446	50.744	49.065	49.307	40.569	41.481	40.303	-2.8
BG	6.478	7.435	6.886	8.224	6.610	7.015	7.226	3.0
CZ	21.910	28.746	25.445	25.239	19.675	21.054	21.561	2.4
DK	9.155	8.373	7.346	5.413	3.498	2.881	2.853	-1.0
DE	389.350	388.003	382.949	336.618	288.297	302.435	305.659	1.1
EE	2.099	1.644	1.504	2.341	1.347	1.436	1.391	-3.1
IE	6.067	8.117	7.749	6.533	5.779	5.405	5.459	1.0
EL	19.609	22.798	23.001	16.914	15.032	11.690	11.440	-2.1
ES	101.507	83.586	101.729	91.187	85.503	91.570	97.756	6.8
FR	162.573	132.949	121.223	84.525	67.288	58.191	56.600	-2.7
HR	14.471	12.668	14.430	15.679	13.274	10.323	11.038	6.9
IT	161.782	182.761	256.546	240.011	212.997	177.031	174.539	-1.4
CY	3.172	3.052	2.411	1.382	1.198	0.758	0.660	-12.9
LV	4.325	4.056	4.482	9.310	3.193	3.728	3.692	-1.0
LT	5.135	4.144	5.807	6.772	3.530	3.256	3.031	-6.9
LU	1.216	1.145	0.899	0.775	0.787	0.908	0.983	8.3
HU	27.801	19.817	17.493	20.777	16.308	15.847	16.333	3.1
MT	0.238	0.969	1.253	0.848	0.577	1.449	1.380	-4.8
NL	44.892	42.641	42.271	27.007	10.778	13.358	18.523	38.7
AT	46.338	38.956	42.126	40.896	35.348	37.957	37.960	0.0
PL	50.532	56.904	57.331	48.100	38.832	34.970	32.967	-5.7
PT	45.110	48.339	44.463	37.066	35.426	30.604	31.955	4.4
RO	9.708	9.119	7.889	19.819	25.995	25.355	28.944	14.2
SI	5.177	6.567	8.951	10.509	7.659	6.168	6.578	6.6
SK	8.236	8.713	7.884	7.903	8.119	5.064	5.172	2.1
FI	10.175	7.812	6.633	7.020	6.072	5.324	5.164	-3.0
SE	16.975	15.626	15.770	18.094	16.627	13.091	14.672	12.1
UK	265.600	237.336	242.117	203.712	160.080	152.407	146.203	-4.1
AL		0.399	0.428	0.853	1.564	1.914	1.992	4.1
ME					9.138	5.531	4.944	-10.6
MK	2.300	2.436	1.667	2.821	4.223	3.852	3.854	0.1
RS					14.179	13.638	13.638	0.0
TR	55.771	66.029	75.201	87.273	116.804	168.512	183.011	8.6
IS	0.564	1.057	0.979	0.671	0.876	0.805	0.912	13.3
NO	8.801	8.625	8.440	8.078	6.434	4.972	4.563	-8.2
CH	23.834	23.030	23.737	21.706	19.609	17.803	17.736	-0.4

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

Railway Fatalities

2.7.5

NUMBER OF RAILWAY PASSENGERS KILLED
IN ACCIDENTS INVOLVING RAILWAY

	1990	2000	2005	2010	2012	2013	2014	2015
EU-28			66	63	36	97	15	27
BE	0	3	0	18	0	0	0	0
BG			3	0	1	0	2	2
CZ		1	4	2	2	0	2	6
DK	1	3	0	0	1	0	0	0
DE	50	38	7	0	3	0	0	3
EE			0	0	0	0	1	0
IE	1	2	0	0	0	0	0	0
EL	0	20	0	1	0	0	0	0
ES	4	0	1	15	4	79	3	0
FR	30	15	5	2	2	4	0	4
HR			1	1	0	0	0	0
IT	9	8	22	7	2	2	1	2
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	4	3	3
MT	-	-	-	-	-	-	-	-
NL	2	0	0	0	1	0	0	0
AT	6	4	1	0	0	0	0	1
PL	21	20	0	7	15	6	2	3
PT	22	2	7	1	0	1	0	0
RO		0	1	4	1	1	1	3
SI		0	0	0	0	0	0	0
SK		0	0	0	1	0	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	0
MK			0	0	0	0	0	0
RS								
TR	17	9	10	3	3	1	1	0
IS	-	-	-	-	-	-	-	-
NO	4	32	0	0	0	0	0	0
CH	8	2	3	0	0	0	1	0

2.7.6

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
2016	6	6
1970–1979/yr.	312	328
1980–1989/yr.	179	128
1990–1999/yr.	51	74
2000–2009/yr.	65	78
2010–2016/yr.	24	40

Notes: Onboard fatalities, and only those in aircraft with a take-off mass above 5701 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)

2.7.7

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
2015	6	41	10	133	40	267

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

PART 3

ENERGY AND ENVIRONMENT



PART 3
SUMMARY

3.1	ENERGY	115
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Glossary

3.1.1

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.

3.1.1

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

3.1.2

		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	2.388×10^{-5}	0.2778
Gcal		4.1868×10^{-3}	1	1×10^{-7}	1.163×10^{-3}
Mtoe		4.1868×10^4	1×10^7	1	11630
GWh		3.6	860	8.6×10^{-5}	1

VOLUME

FROM:	TO:	Barrel	Litre	US gallon	UK gallon
Barrel		1	158.99	42	34.9723
Litre		0.6290×10^{-2}	1	0.2642	0.2200
US gallon		0.2381×10^{-1}	3.7854	1	0.8327
UK gallon		0.2859×10^{-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 (μ)
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

3.1.4

	Mtoe	1990	1995	2000	2005	2010	2014	2015
Production (*)		951.2	969.3	952.1	914.6	851.6	788.3	781.9
Solid fuels		369.1	279.8	214.6	196.2	165.0	150.2	145.4
Oil		136.2	180.8	180.0	142.5	110.2	84.5	89.3
Gas		165.1	191.5	209.4	190.7	159.8	117.5	107.9
Nuclear		205.2	227.3	243.8	257.5	236.6	226.1	221.2
Renewables		71.8	84.3	98.2	119.9	168.9	197.5	205.0
Industrial waste		3.8	5.7	6.1	7.8	11.1	12.5	13.0
Net Imports		755.5	736.8	827.1	980.2	953.7	881.2	902.1
Solid fuels		81.2	78.4	98.3	125.3	111.7	123.0	112.4
Oil		534.5	510.8	533.0	597.9	557.5	519.5	534.9
Gas		135.7	145.6	193.5	254.1	278.0	231.3	247.3
Electricity		3.9	1.8	2.0	1.4	0.6	1.3	1.2
Renewables		0.2	0.3	0.3	1.5	5.8	5.9	6.0
Other (**)		0.0	0.0	0.0	0.0	0.0	0.3	0.3
Gross Inland Consumption		1 670.0	1 675.0	1 730.1	1 830.9	1 764.4	1 607.8	1 627.5
Solid fuels		454.7	365.0	321.3	318.3	283.3	269.0	262.7
Oil		632.1	654.5	662.2	679.4	610.9	551.8	560.1
Gas		298.1	336.1	396.2	445.2	447.1	343.5	357.9
Nuclear		205.2	227.3	243.8	257.5	236.6	226.1	221.2
Renewables		72.1	84.6	98.5	121.3	174.8	203.1	211.0
Other (***)		7.7	7.4	8.0	9.2	11.7	14.2	14.5
Elec. Generation (TWh)		2 595.2	2 743.6	3 035.8	3 325.8	3 366.1	3 190.8	3 234.3
Final Energy Consumption by fuel/product		1 085.0	1 082.8	1 132.9	1 192.3	1 164.5	1 061.7	1 084.0
Solid fuels		124.3	83.0	61.9	54.0	50.1	46.2	46.3
Oil		448.9	466.1	490.5	503.8	458.5	422.4	429.6
Gas		230.9	247.5	267.6	282.0	272.3	229.1	236.3
Electricity		185.8	194.1	217.4	239.4	244.1	232.4	235.7
Renewables		39.0	44.3	49.1	58.9	82.9	82.9	86.8
Other (**)		56.0	47.9	46.4	54.1	56.7	48.6	49.3
by sector								
INDUSTRY		370.8	331.6	333.4	328.1	287.0	274.0	274.7
TRANSPORT		284.4	306.8	344.7	369.3	364.2	352.6	358.6
Rail		8.2	8.2	8.1	7.6	7.1	6.2	6.2
Road		238.5	256.5	283.8	301.8	299.6	290.0	294.0
International aviation		24.2	29.5	38.6	43.4	43.0	44.2	45.8
Domestic aviation		5.3	4.7	6.4	6.6	6.3	5.3	5.5
Domestic navigation		6.5	6.2	6.0	6.8	5.9	4.2	4.5
Consumption in pipeline transport, etc.		1.7	1.6	1.9	3.2	2.4	2.7	2.6
HOUSEHOLDS		274.8	285.5	291.2	309.2	318.9	264.5	275.2
AGRICULTURE		33.5	32.5	29.5	29.0	26.2	24.7	24.7
SERVICES, ETC.		121.5	126.5	134.1	156.7	168.2	145.9	150.8
CO₂ Emissions (Mt) (****)		4 530.5	4 288.3	4 280.2	4 423.0	4 063.8	3 606.4	3 640.6
Energy intensity (toe/M€ '10)		186	174	155	149	138	122	120
CO₂ intensity (tCO₂/toe)		2.71	2.56	2.47	2.42	2.30	2.24	2.24
Import dependency, %		44.3	43.1	46.7	52.1	52.6	53.4	54.0
RES share in transport, % (*****)					1.81	5.20	6.54	6.71

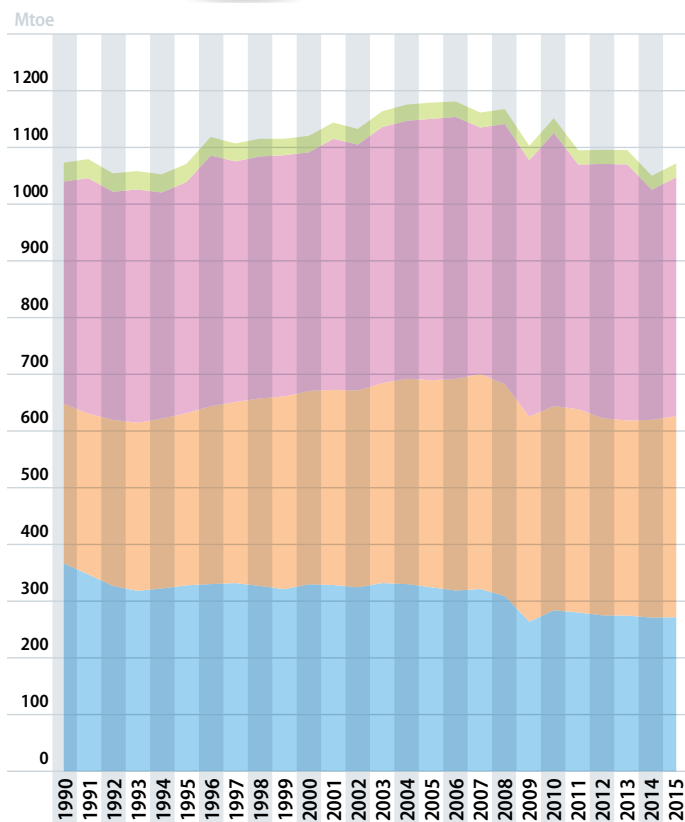
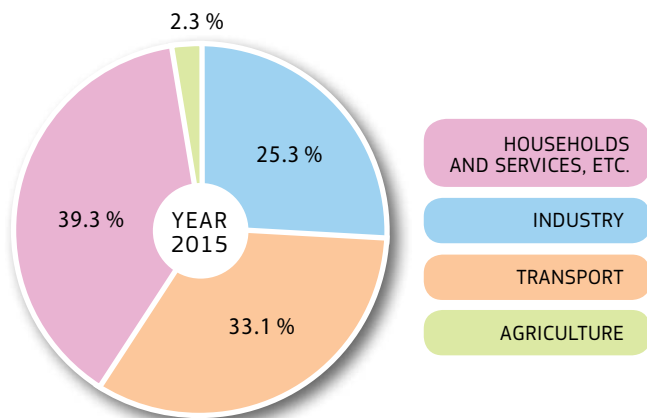
Notes: (*) Including recovered products. (**) Derived heat and industrial waste. (***) Electrical energy and industrial waste. (****) Source: European Environment Agency, June 2017, including international aviation and indirect CO₂, but excluding international maritime and Land Use, Land – Use Change and Forestry. (*****). Renewables share in transport, according to the definition in the Directive 2009/28/EC of the European Parliament and of the Council of 23 April 2009 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 2015 – BY SECTOR (MTOE)

	ALL SECTORS	INDUSTRY	TRANSPORT	Road	Railways	Air	Domestic navigation	Consumption in pipeline transport, etc.	HOUSEHOLDS, SERVICES, ETC.	Households	Agriculture	Services, etc.
EU-28	1084.0	274.7	358.6	294.0	6.2	51.3	4.5	2.6	450.6	275.2	24.7	150.8
Share	100%	25%	33%	82%	2%	14%	1%	1%	42%	61%	5%	33%
BE	35.8	11.9	10.4	8.6	0.2	1.5	0.2	0.0	13.4	8.1	0.7	4.6
BG	9.5	2.7	3.4	3.0	0.0	0.2		0.1	3.4	2.2	0.2	1.0
CZ	24.2	7.5	6.5	5.9	0.2	0.3	0.0	0.0	10.2	6.7	0.6	2.9
DK	13.9	2.1	4.9	3.8	0.1	0.9	0.1	0.0	6.9	4.3	0.8	1.9
DE	212.1	61.0	63.2	52.4	1.3	8.7	0.3	0.4	88.0	53.2		34.8
EE	2.8	0.5	0.8	0.7	0.0	0.0	0.0	0.0	1.5	0.9	0.1	0.5
IE	11.2	2.4	4.6	3.7	0.0	0.8	0.1		4.2	2.7	0.2	1.2
EL	16.5	3.1	6.6	5.0	0.1	1.0	0.5	0.0	6.8	4.4	0.3	2.1
ES	80.5	18.9	33.6	26.9	0.3	5.6	0.4	0.3	28.0	14.9	2.5	10.6
FR	144.1	28.6	50.1	42.0	0.8	6.7	0.5	0.0	65.4	37.7	4.4	23.3
HR	6.6	1.1	2.1	1.9	0.0	0.1	0.0	0.0	3.4	2.4	0.2	0.7
IT	116.4	26.0	39.5	33.6	0.5	3.9	0.9	0.7	50.9	32.5	2.9	15.5
CY	1.7	0.2	0.9	0.6		0.2			0.6	0.3	0.0	0.2
LV	3.8	0.8	1.1	1.0	0.1	0.1	0.0	0.0	1.9	1.1	0.2	0.6
LT	4.9	1.0	1.8	1.7	0.1	0.1	0.0	0.0	2.1	1.4	0.1	0.6
LU	4.0	0.7	2.4	1.9	0.0	0.5			0.9	0.5	0.0	0.4
HU	17.3	4.2	4.4	4.0	0.1	0.2	0.0	0.0	8.7	6.0	0.6	2.2
MT	0.6	0.0	0.3	0.2		0.1	0.0		0.2	0.1	0.0	0.1
NL	48.5	14.3	14.3	9.9	0.2	3.8	0.4		20.0	9.6	3.8	6.6
AT	27.4	9.1	9.0	7.7	0.2	0.7	0.0	0.3	9.3	6.0	0.5	2.7
PL	62.3	15.0	17.2	15.9	0.3	0.7	0.0	0.4	30.0	18.8	3.3	7.8
PT	16.0	4.5	6.6	5.3	0.0	1.2	0.1	0.0	5.0	2.5	0.4	2.0
RO	21.9	6.5	5.6	5.1	0.2	0.3	0.0	0.0	9.8	7.4	0.5	2.0
SI	4.7	1.2	1.8	1.7	0.0	0.0		0.0	1.7	1.1	0.1	0.5
SK	10.1	4.4	2.2	2.0	0.0	0.0		0.1	3.4	2.0	0.2	1.3
FI	24.2	10.7	4.8	3.9	0.1	0.7	0.1	0.0	8.7	4.9	0.7	3.1
SE	31.8	11.5	8.7	7.5	0.2	0.9	0.1		11.6	7.2	0.4	4.0
UK	131.4	24.7	51.8	38.2	1.0	11.9	0.6		54.9	36.5	1.0	17.4
MK	1.9	0.5	0.6	0.6	0.0	0.0			0.8	0.5	0.0	0.2
TR	93.2	28.8	28.2	22.5	0.2	4.9	0.3	0.3	36.2	20.1	3.9	12.2
IS	3.1	1.5	0.5	0.3	0.0	0.2	0.0	0.0	1.1	0.4	0.3	0.4
NO	18.7	5.9	5.5	3.8	0.1	0.9	0.6	0.1	7.3	3.9	0.7	2.8
CH												

Final Energy Consumption EU-28 – BY SECTOR (MTOE)

3.1.5



Note: Renewables not including electricity.

3.1.6 Final Consumption of Motor Gasoline, Diesel & Biofuels for Transport 2015 – BY FUEL (KTOE)

	FINAL CONSUMPTION OF MOTOR GASOLINE AND DIESEL OIL FOR TRANSPORT (*)	Motor Gasoline	Gas / Diesel Oil	BIOFUELS	Biogasoline	Biodiesel	Other liquid biofuels (**)
EU-28	277715.5	77 449.4	200 266.1	14 030.0	2 680.2	11 345.3	4.5
BE	8 475.9	1 321.0	7 154.9	261.2	40.6	220.6	
BG	2 334.7	520.2	1 814.5	146.2	32.2	114.0	
CZ	5 551.1	1 570.5	3 980.7	296.5	63.2	233.3	
DK	3 749.5	1 317.1	2 432.4	232.0		232.0	
DE	49 870.3	16 926.3	32 943.9	2 537.3	744.2	1 791.9	1.2
EE	749.9	240.7	509.2	3.2	3.2		
IE	3 684.8	1 020.3	2 664.6	88.2	24.1	64.1	
EL	4 827.4	2 573.7	2 253.7	141.5		141.5	
ES	26 006.6	4 623.2	21 383.4	958.3	188.9	769.4	
FR	39 252.9	6 869.9	32 383.0	2 949.1	421.2	2 527.9	
HR	1 856.5	553.8	1 302.7	24.3		24.3	
IT	30 281.5	8 191.9	22 089.6	1 166.6	24.8	1 141.8	
CY	612.2	365.1	247.2	9.7		9.7	
LV	941.6	204.8	736.8	24.6	7.7	16.9	
LT	1 513.3	199.9	1 313.4	68.0	9.7	58.3	
LU	1 866.9	293.0	1 573.9	82.7	7.0	75.6	0.0
HU	3 842.2	1 283.2	2 559.0	175.1	42.6	132.6	
MT	187.9	77.0	110.9	4.5		4.5	
NL	9 755.0	3 862.1	5 892.8	297.4	141.9	155.5	
AT	7 061.8	1 545.5	5 516.2	645.2	60.1	585.1	
PL	13 471.6	3 654.2	9 817.5	780.3	153.5	626.8	
PT	4 985.2	1 099.3	3 885.9	327.7	22.2	302.2	3.2
RO	4 945.0	1 268.9	3 676.1	202.5	61.5	141.0	
SI	1 712.6	436.7	1 275.9	29.4	6.5	22.9	
SK	1 843.5	576.8	1 266.7	143.9	22.9	121.0	
FI	3 515.2	1 359.8	2 155.4	496.9	64.9	432.0	
SE	6 416.0	2 568.5	3 847.6	1 005.1	133.1	871.9	
UK	38 404.3	12 926.1	25 478.2	932.8	404.3	528.5	
MK	561.4	108.0	453.4				
TR	19 073.7	2 161.8	16 911.9	140.4	70.4	70.0	
IS	278.9	141.6	137.3	11.8	1.3	10.6	
NO	4 217.0	872.4	3 344.6	141.0	10.2	121.3	9.5
CH							

Notes: (*) Without bio components.

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

Biofuels Production 2015 – BY FUEL (KTOE)

3.1.7

	TOTAL	Biogasoline	Biodiesel	Other liquid biofuels (*)
EU-28	13 660.8	2 176.5	11 085.1	399.2
BE	392.0	163.0	223.2	5.8
BG	59.5	16.1	43.4	
CZ	215.7	67.5	148.2	
DK	13.4			13.4
DE	3 319.3	436.1	2 765.4	117.8
EE				
IE	24.3		24.3	
EL	133.7		133.7	
ES	1 235.3	252.4	983.0	
FR	2 518.9	379.9	2 139.1	
HR	15.5		15.5	
IT	682.0	8.3	510.3	163.4
CY	0.7		0.7	
LV	60.6	1.9	58.7	
LT	114.3	10.3	104.0	
LU				
HU	377.2	246.0	131.2	
MT	0.8		0.8	
NL	1 439.6		1 439.6	
AT	444.9	140.1	304.2	0.7
PL	935.6	112.2	821.9	1.5
PT	320.6		317.5	3.1
RO	157.1	25.3	131.8	
SI				
SK	149.2	53.5	95.7	
FI	473.2		431.7	41.4
SE	276.0	94.6	129.5	51.9
UK	301.3	169.3	132.0	
MK	1.9		1.9	
TR	108.2	43.2	64.7	0.3
IS				
NO	3.4			3.4
CH				

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

3.2.1 Total Greenhouse Gas (GHG) Emissions (*)

MILLION TONNES CO₂ EQUIVALENT

	1990	1995	2000	2005	2010	2014	2015
EU-28	5 716.4	5 381.4	5 270.8	5 345.2	4 909.5	4 423.7	4 451.8
BE	148.8	157.3	154.2	148.7	136.6	118.1	121.6
BG	104.4	75.3	59.6	64.3	60.8	58.0	62.0
CZ	198.5	157.6	150.0	148.6	140.6	127.5	128.8
DK	72.1	80.1	73.1	68.9	65.6	53.5	51.0
DE	1 263.0	1 135.7	1 062.2	1 014.9	966.0	928.8	926.5
EE	40.5	20.3	17.4	19.3	21.3	21.2	18.1
IE	57.2	60.9	70.9	72.5	64.0	60.0	62.4
EL	105.6	111.8	128.9	138.9	120.9	102.2	98.6
ES	293.4	335.2	395.8	451.6	369.6	338.3	350.4
FR	555.8	554.6	566.4	569.1	527.7	470.0	474.6
HR	31.7	22.6	25.5	29.6	27.6	23.4	23.9
IT	524.1	536.8	560.9	588.3	514.1	432.5	442.8
CY	6.4	7.9	9.2	10.2	10.4	9.2	9.2
LV	26.4	12.8	10.4	11.5	12.6	11.5	11.6
LT	48.4	22.4	19.7	23.2	20.9	20.1	20.3
LU	13.1	10.6	10.6	14.3	13.5	12.0	11.7
HU	94.4	76.0	74.2	76.6	66.1	58.4	61.6
MT	2.6	2.9	3.0	3.3	3.3	3.3	2.6
NL	226.1	239.2	229.7	225.4	224.5	198.5	206.7
AT	79.7	81.2	82.2	94.6	87.1	78.4	81.0
PL	468.5	439.7	391.4	399.8	408.4	384.7	387.7
PT	61.1	71.7	84.5	88.6	72.1	67.4	72.1
RO	247.1	181.7	140.6	146.8	121.4	116.0	117.8
SI	18.6	18.8	19.2	20.6	19.7	16.7	16.9
SK	74.5	54.5	49.9	51.5	46.7	40.8	41.4
FI	72.3	72.7	71.1	70.9	77.3	61.1	57.5
SE	73.0	75.2	70.7	68.8	66.7	56.1	55.9
UK	809.1	765.8	739.8	724.5	643.9	555.8	536.9
MK							
TR	214.5	247.4	298.1	340.5	412.7	465.6	486.2
IS	3.8	3.5	4.3	4.3	5.0	5.0	5.2
NO	52.4	51.8	55.6	56.1	56.5	55.0	55.4
CH	56.9	56.2	57.3	58.5	58.8	53.5	53.1

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 (CO₂), methane (CH₄), nitrous oxide (N₂O), sulphur hexafluoride (SF₆), hydrofluorocarbons (HFC), perfluorocarbons (PFC).

(*) Excluding International Maritime and LULUCF (Land Use, Land – Use Change and Forestry) emissions, including International Aviation and Indirect CO₂.

GHG Emissions from Transport 3.2.2

MILLION TONNES CO₂ EQUIVALENT

INCLUDING INTERNATIONAL BUNKERS (*)

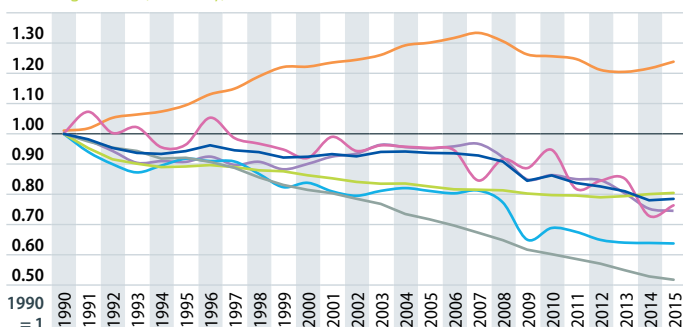
	1990	1995	2000	2005	2010	2014	2015
EU-28	961.4	1 034.4	1 168.6	1 263.3	1 222.3	1 165.2	1 182.9
BE	36.5	38.6	45.6	55.2	55.3	46.5	48.7
BG	7.5	6.2	6.0	8.8	8.8	9.3	10.2
CZ	7.8	9.9	12.5	18.1	18.0	17.8	18.6
DK	15.5	19.0	18.7	18.2	17.6	17.1	17.3
DE	183.0	198.3	208.0	191.5	186.7	191.4	192.4
EE	3.1	1.9	2.1	2.7	3.0	3.4	3.3
IE	6.3	7.8	13.1	16.0	14.3	14.0	14.9
EL	25.4	31.1	33.3	34.0	34.1	25.6	25.9
ES	76.4	87.6	116.4	140.6	131.4	119.6	122.3
FR	137.6	149.0	163.4	165.5	157.9	154.3	155.7
HR	4.5	3.7	4.8	5.9	6.3	6.0	6.3
IT	111.2	124.5	136.2	143.8	131.2	122.3	121.4
CY	2.1	2.6	3.3	3.9	3.8	3.3	3.4
LV	4.8	2.7	2.3	4.2	4.5	4.1	4.3
LT	6.5	3.7	3.6	4.8	5.0	5.1	5.6
LU	3.0	3.9	5.8	8.5	7.8	7.4	7.1
HU	9.4	8.0	9.8	12.8	12.4	11.7	12.8
MT	1.3	2.4	3.2	2.9	5.5	5.0	6.1
NL	68.1	73.3	85.8	97.3	90.8	83.7	82.1
AT	14.9	17.3	20.6	27.0	24.7	24.2	24.8
PL	22.4	24.3	29.5	37.3	50.3	46.6	49.1
PT	13.0	16.3	22.9	23.5	23.1	21.0	21.5
RO	13.2	9.2	10.3	13.0	14.8	16.5	17.2
SI	2.8	3.9	3.9	4.6	5.4	5.6	5.6
SK	7.0	5.6	5.7	7.7	7.5	6.6	6.9
FI	15.0	13.3	15.3	15.9	15.0	13.3	14.0
SE	23.0	24.7	26.6	29.8	29.4	26.4	26.5
UK	140.1	145.9	160.1	170.4	157.8	157.4	158.7
MK							
TR	27.9	35.5	39.4	48.8	53.7	86.9	89.7
IS	0.9	1.0	1.3	1.4	1.4	1.6	1.9
NO	12.4	14.0	15.4	15.9	16.2	15.8	15.6
CH	17.8	18.0	20.7	19.4	20.6	20.9	20.3

Notes: (*) 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 (*) EU-28 – BY SECTOR (MILLION TONNES CO₂ EQUIVALENT)

	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	4405.9	4214.8	1679.6	1440.1	122.7	116.8	836.4	175.8	16.3	113.8	34.9	52.5	443.1
1995	4157.0	3996.3	1520.7	1289.6	129.5	101.5	743.5	158.1	17.7	109.0	38.8	60.5	359.5
2000	4120.4	3989.2	1509.1	1291.1	132.6	85.4	679.5	137.1	17.5	92.1	37.1	55.7	340.0
2005	4240.1	4126.9	1597.9	1375.1	142.2	80.6	635.1	123.0	15.8	87.4	34.3	50.9	323.7
2006	4244.6	4135.5	1608.9	1387.4	138.7	82.8	627.7	125.8	15.7	84.9	33.8	46.2	321.3
2007	4193.7	4089.3	1623.2	1403.3	139.5	80.5	629.5	132.2	15.4	81.4	33.2	46.1	321.2
2008	4115.4	4013.1	1547.2	1328.2	140.6	78.3	600.5	124.6	14.9	80.7	29.9	43.3	307.3
2009	3823.1	3727.1	1421.1	1222.8	133.2	65.1	503.4	90.5	13.6	71.6	27.1	39.2	261.5
2010	3922.3	3826.5	1445.2	1238.7	133.7	72.8	537.4	108.9	14.0	73.2	28.6	41.1	271.5
2011	3779.8	3684.9	1422.3	1220.3	131.5	70.4	523.4	107.1	13.2	72.1	27.4	39.1	264.4
2012	3734.6	3641.1	1416.4	1230.2	127.0	59.2	499.4	102.3	12.2	69.3	26.5	38.9	250.1
2013	3648.2	3556.1	1342.1	1166.1	119.7	56.3	489.4	101.1	9.5	69.9	26.7	38.5	243.7
2014	3465.8	3376.5	1254.3	1082.5	116.3	55.5	481.6	102.4	8.8	65.8	24.8	37.5	242.3
2015	3500.2	3410.9	1242.0	1069.6	118.2	54.3	483.4	102.8	9.1	65.6	25.3	38.6	242.1

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

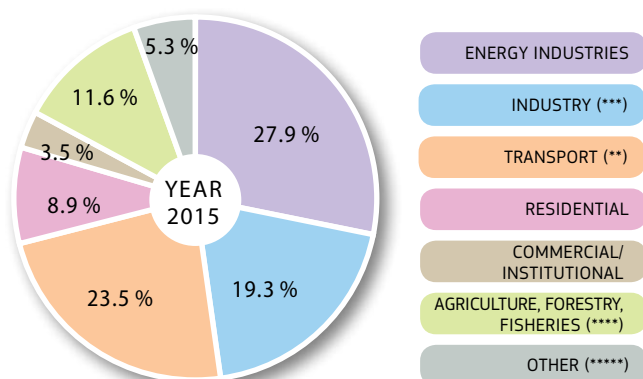


Notes: (*) Excluding LULUCF (Land Use, Land – Use Change and Forestry) emissions and international maritime, including international aviation and indirect CO₂; (**) Excluding international maritime (international traffic departing from the EU), including international aviation. (***) Emissions from Manufacturing 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 CO₂ and Other.

GHG Emissions (*) EU-28 – BY SECTOR 3.2.3

(MILLION TONNES CO₂ EQUIVALENT)

TRANSPORT (**)	OTHER SECTORS			Agriculture / Forestry / Fisheries	OTHER (NOT ELSE-WHERE SPECIFIED)	FUGITIVE EMISSIONS FROM FUELS	INDUSTRIAL PROCESSES & PRODUCT USE				INDIRECT CO ₂	TOTAL EMISSIONS
	Commercial / Institutional	Residential					AGRICULTURE	WASTE	OTHER			
851.1	824.4	200.3	526.9	97.2	23.3	191.0	516.9	548.3	240.9	4.4	5716.4	1990
923.6	794.9	181.8	517.6	95.5	13.6	160.7	497.2	478.1	245.3	3.7	5381.4	1995
1033.9	756.9	175.9	491.2	89.9	9.7	131.3	452.5	464.5	230.7	2.7	5270.8	2000
1102.4	780.9	185.1	506.1	89.7	10.7	113.2	460.0	439.8	203.0	2.4	5345.2	2005
1115.9	772.5	190.6	495.4	86.5	10.6	109.2	456.6	436.9	197.9	2.3	5338.3	2006
1130.3	695.4	169.3	442.8	83.4	10.9	104.3	467.3	439.1	191.4	2.2	5293.8	2007
1106.6	748.8	189.7	474.4	84.7	10.0	102.3	442.6	436.4	182.9	2.1	5179.5	2008
1068.8	724.9	181.2	461.1	82.7	8.8	96.0	371.1	431.2	176.2	2.0	4803.6	2009
1063.6	771.8	189.5	497.5	84.9	8.5	95.8	390.0	425.5	169.7	2.0	4909.5	2010
1055.8	675.2	170.3	421.6	83.3	8.2	94.9	386.7	426.3	164.0	1.9	4758.7	2011
1024.7	693.2	167.2	444.1	81.8	7.4	93.5	374.2	423.8	158.8	1.8	4693.2	2012
1019.1	698.4	168.8	447.8	81.8	7.2	92.1	371.6	426.7	150.6	1.7	4598.8	2013
1028.9	604.8	150.7	375.1	79.0	6.9	89.4	378.0	433.9	144.4	1.6	4423.7	2014
1048.1	630.4	156.3	395.3	78.8	7.0	89.3	373.9	436.7	139.3	1.7	4451.8	2015



- Notes:** (*) Excluding LULUCF (Land Use, Land – Use Change and Forestry) emissions and international maritime, including international aviation and indirect CO₂.
 (**) 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 CO₂ and Other.

3.2.3

GHG Emissions (*) EU-28

BY SECTOR (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	95.7	39.8	85.7	7.3	7.0	19.8	21.0	2.0	13.6	4.2	6.3	53.0				
1991	77.7	95.9	39.2	86.2	7.2	6.7	18.9	21.0	2.2	13.7	4.7	6.7	51.7				
1992	77.8	95.9	39.0	86.3	7.4	6.3	18.5	20.7	2.1	12.9	4.7	6.9	52.6				
1993	77.8	95.9	38.0	85.6	8.0	6.5	18.1	20.5	2.3	13.0	4.8	7.3	52.1				
1994	77.4	96.1	38.5	85.2	8.1	6.7	18.4	21.5	2.3	13.6	5.3	7.9	49.4				
1995	77.2	96.1	38.1	84.8	8.5	6.7	18.6	21.3	2.4	14.7	5.2	8.1	48.3				
1996	77.7	96.3	37.7	85.1	8.6	6.3	17.8	20.1	2.3	14.6	5.2	8.4	49.4				
1997	77.3	96.4	37.4	84.6	8.9	6.5	18.0	21.0	2.5	14.1	5.3	8.1	48.9				
1998	77.7	96.6	37.8	85.1	8.9	6.0	17.2	21.1	2.6	13.4	5.3	8.2	49.5				
1999	78.2	96.7	37.2	85.3	8.8	5.9	16.9	20.1	2.6	13.5	5.3	8.3	50.3				
2000	78.2	96.8	37.8	85.6	8.8	5.7	17.0	20.2	2.6	13.6	5.5	8.2	50.0				
2001	78.9	96.9	38.1	86.0	8.7	5.3	16.1	19.6	2.8	13.7	5.3	8.4	50.2				
2002	79.0	97.0	38.8	86.1	8.7	5.3	15.8	19.1	2.8	13.7	5.5	8.6	50.3				
2003	79.2	97.1	39.2	86.6	8.4	5.0	15.7	19.0	2.7	13.9	5.5	8.3	50.6				
2004	79.2	97.3	38.8	86.4	8.7	5.0	15.6	19.7	2.6	13.8	5.3	8.2	50.4				
2005	79.3	97.3	38.7	86.1	8.9	5.0	15.4	19.4	2.5	13.8	5.4	8.0	51.0				
2006	79.5	97.4	38.9	86.2	8.6	5.1	15.2	20.0	2.5	13.5	5.4	7.4	51.2				
2007	79.2	97.5	39.7	86.5	8.6	5.0	15.4	21.0	2.5	12.9	5.3	7.3	51.0				
2008	79.5	97.5	38.6	85.8	9.1	5.1	15.0	20.7	2.5	13.4	5.0	7.2	51.2				
2009	79.6	97.5	38.1	86.0	9.4	4.6	13.5	18.0	2.7	14.2	5.4	7.8	51.9				
2010	79.9	97.6	37.8	85.7	9.3	5.0	14.0	20.3	2.6	13.6	5.3	7.7	50.5				
2011	79.4	97.5	38.6	85.8	9.2	5.0	14.2	20.5	2.5	13.8	5.2	7.5	50.5				
2012	79.6	97.5	38.9	86.9	9.0	4.2	13.7	20.5	2.4	13.9	5.3	7.8	50.1				
2013	79.3	97.5	37.7	86.9	8.9	4.2	13.8	20.7	1.9	14.3	5.5	7.9	49.8				
2014	78.3	97.4	37.1	86.3	9.3	4.4	14.3	21.3	1.8	13.7	5.2	7.8	50.3				
2015	78.6	97.4	36.4	86.1	9.5	4.4	14.2	21.3	1.9	13.6	5.2	8.0	50.1				

Notes: (*) Excluding LULUCF (Land Use, Land – Use Change and Forestry) emissions and international maritime, including international aviation and indirect CO₂. 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 (*) EU-28 BY SECTOR (SHARES %)

3.2.3

TRANSPORT (**)	OTHER SECTORS				OTHER (NOT ELSE-WHERE SPECIFIED)	FUGITIVE EMISSIONS FROM FUELS	INDUSTRIAL PROCESSES & PRODUCT USE	AGRICULTURE	WASTE	OTHER	INDIRECT CO ₂	TOTAL EMISSIONS	
	Commercial / Institutional	Residential	Agriculture / Forestry / Fisheries										
20.2	19.6	24.3	63.9	11.8	0.6	4.3	9.0	9.6	4.2		0.1	100	1990
20.5	20.9	24.0	65.0	11.0	0.5	4.1	8.6	9.2	4.4		0.1	100	1991
21.9	20.2	23.6	65.1	11.3	0.4	4.1	8.5	9.1	4.5		0.1	100	1992
22.5	21.0	22.9	65.6	11.5	0.4	4.1	8.5	9.0	4.6		0.1	100	1993
22.9	19.9	22.6	65.2	12.2	0.4	3.9	9.1	8.9	4.6		0.1	100	1994
23.1	19.9	22.9	65.1	12.0	0.3	3.9	9.2	8.9	4.6		0.1	100	1995
23.2	21.0	23.1	65.5	11.4	0.3	3.7	9.1	8.7	4.5		0.1	100	1996
24.1	20.2	22.8	65.5	11.7	0.3	3.6	9.3	8.8	4.5		0.1	100	1997
25.0	19.7	23.0	65.4	11.6	0.3	3.4	9.0	8.8	4.5		0.1	100	1998
26.0	19.6	23.4	64.8	11.8	0.3	3.3	8.4	9.0	4.4		0.1	100	1999
25.9	19.0	23.2	64.9	11.9	0.2	3.2	8.6	8.8	4.4		0.1	100	2000
25.7	19.9	23.6	65.3	11.1	0.2	3.1	8.2	8.6	4.3		0.0	100	2001
26.1	19.1	23.1	65.4	11.4	0.2	3.0	8.2	8.5	4.2		0.0	100	2002
25.8	19.0	22.9	65.8	11.3	0.2	2.9	8.3	8.3	4.1		0.0	100	2003
26.4	18.9	23.6	65.1	11.4	0.3	2.7	8.6	8.3	3.9		0.0	100	2004
26.7	18.9	23.7	64.8	11.5	0.3	2.7	8.6	8.2	3.8		0.0	100	2005
27.0	18.7	24.7	64.1	11.2	0.3	2.6	8.6	8.2	3.7		0.0	100	2006
27.6	17.0	24.3	63.7	12.0	0.3	2.5	8.8	8.3	3.6		0.0	100	2007
27.6	18.7	25.3	63.4	11.3	0.2	2.5	8.5	8.4	3.5		0.0	100	2008
28.7	19.5	25.0	63.6	11.4	0.2	2.5	7.7	9.0	3.7		0.0	100	2009
27.8	20.2	24.5	64.5	11.0	0.2	2.4	7.9	8.7	3.5		0.0	100	2010
28.7	18.3	25.2	62.4	12.3	0.2	2.5	8.1	9.0	3.4		0.0	100	2011
28.1	19.0	24.1	64.1	11.8	0.2	2.5	8.0	9.0	3.4		0.0	100	2012
28.7	19.6	24.2	64.1	11.7	0.2	2.5	8.1	9.3	3.3		0.0	100	2013
30.5	17.9	24.9	62.0	13.1	0.2	2.6	8.5	9.8	3.3		0.0	100	2014
30.7	18.5	24.8	62.7	12.5	0.2	2.6	8.4	9.8	3.1		0.0	100	2015

Notes: (*) Excluding LULUCF (Land Use, Land – Use Change and Forestry) emissions and international maritime, including international aviation and indirect CO₂.
 (**) 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 (*) 2015 – BY SECTOR (MILLION TONNES CO₂ EQUIVALENT)

	TOTAL ENERGY	FUEL COMBUSTION	ENERGY INDUSTRIES	Public Electricity and Heat Production	Petroleum Refining	Other Energy Industries	MANUFACTURING AND CONSTRUCTION	Iron and Steel	Non-Ferrous Metals	Chemicals	Pulp, Paper and Print	Food, Beverages and Tobacco	Other
EU-28	3500.2	3410.9	1242.0	1069.6	118.2	54.3	483.4	102.8	9.1	65.6	25.3	38.6	242.1
BE	90.5	89.9	21.3	16.4	4.8	0.2	13.6	1.3	0.4	3.2	0.6	2.2	6.0
BG	46.2	45.0	30.3	29.0	1.4	0.0	2.9	0.1	0.1	0.3	0.1	0.3	1.9
CZ	98.9	94.5	53.6	46.9	0.8	5.9	9.9	1.9	0.1	1.6	0.5	1.0	4.8
DK	37.1	36.7	12.8	10.4	1.0	1.4	3.9	0.1		0.4	0.1	1.0	2.3
DE	786.8	776.1	335.4	306.7	18.2	10.5	127.1	38.8	0.1		0.0	0.2	88.0
EE	15.9	15.9	12.2	11.0		1.2	0.5		0.0	0.0	0.0	0.0	0.4
IE	39.1	39.0	11.8	11.3	0.4	0.1	4.5	0.0	1.4	0.3	0.0	0.9	1.9
EL	73.9	72.8	40.9	35.6	5.3	0.0	5.2	0.1	0.6	0.4	0.1	0.6	3.4
ES	270.2	265.6	86.2	73.8	11.8	0.6	41.2	5.7	1.3	7.5	4.0	4.2	18.6
FR	334.3	330.2	42.1	31.4	7.6	3.1	50.5	12.9	0.8	10.8	2.9	7.2	15.9
HR	17.1	16.6	4.8	3.2	1.4	0.2	2.2	0.1	0.0	0.3	0.1	0.4	1.5
IT	364.0	356.4	105.9	79.1	21.1	5.7	52.6	9.3	1.4	10.5	4.6	4.0	22.7
CY	6.8	6.8	3.0	3.0			0.5		0.0	0.0	0.0	0.1	0.5
LV	7.4	7.3	1.8	1.7		0.1	0.7	0.0	0.0	0.0	0.0	0.1	0.5
LT	11.3	11.0	3.2	1.7	1.4	0.1	1.2			0.3	0.0	0.2	0.6
LU	10.3	10.2	0.5	0.5			1.1	0.3	0.0	0.2	0.0	0.0	0.6
HU	43.8	43.0	13.9	12.1	1.4	0.4	4.3	0.2	0.2	0.4	0.2	0.7	2.7
MT	2.1	2.1	0.9	0.9			0.0						0.0
NL	172.4	169.7	68.4	56.0	9.8	2.6	24.1	3.7	0.2	11.8	0.9	3.6	4.0
AT	55.5	55.0	10.9	7.7	2.8	0.4	10.5	1.5	0.3	1.5	1.9	1.0	4.3
PL	318.0	295.1	163.6	154.6	5.4	3.7	28.1	5.2	1.2	6.1	1.7	3.8	10.1
PT	51.3	50.1	18.4	16.0	2.4		7.9	0.1		1.0	1.2	0.8	4.7
RO	81.5	70.1	29.7	27.1	1.5	1.1	12.5	1.4		2.3	0.2	0.8	7.7
SI	13.5	13.1	4.6	4.6		0.0	1.6	0.2	0.1	0.1	0.3	0.1	0.8
SK	27.6	26.0	7.7	4.9	1.5	1.3	6.8	2.9	0.1	0.5	0.5	0.3	2.4
FI	42.8	42.7	16.2	13.7	2.2	0.3	8.4	2.3	0.1	0.7	2.8	0.2	2.3
SE	41.2	40.3	9.0	6.4	2.6		7.6	1.6		1.0	0.6	0.4	4.0
UK	440.6	429.6	133.0	104.0	13.5	15.5	53.9	13.2	0.5	4.2	2.0	4.5	29.3
MK													
TR	351.2	347.1	137.0	129.6	6.2	1.1	57.6	3.2	1.2	6.2	1.0	4.4	41.7
IS	2.4	2.2	0.0	0.0			0.1	0.0	0.0			0.0	0.0
NO	41.1	37.6	15.5	1.7	0.9	12.9	3.8	0.1	0.1	1.3	0.1	0.3	1.9
CH	42.1	41.8	3.3	2.8	0.4	0.0	5.0	0.2	0.1	0.8	0.2	0.7	3.0

Note: (*) Excluding LULUCF (Land Use, Land – Use Change and Forestry) emissions and international maritime, including international aviation and indirect CO₂.

GHG Emissions (*) 2015 – BY SECTOR 3.2.4 (MILLION TONNES CO₂ EQUIVALENT)

TRANSPORT (**)	OTHER SECTORS		Agriculture / Forestry / Fisheries	OTHER (NOT ELSE-WHERE SPECIFIED)	FUGITIVE EMISSIONS FROM FUELS	INDUSTRIAL PROCESSES & PRODUCT USE			WASTE	OTHER	INDIRECT CO ₂	TOTAL EMISSIONS	
	Commercial / Institutional	Residential					AGRICULTURE						
1048.1	630.4	156.3	395.3	78.8	7.0	89.3	373.9	436.7	139.3		1.7	4451.8	EU-28
30.7	24.1	5.8	16.2	2.1	0.1	0.6	19.5	10.0	1.6			121.6	BE
9.9	1.9	0.3	1.0	0.5	0.1	1.2	5.7	5.9	4.2			62.0	BG
18.6	11.9	2.6	8.1	1.2	0.4	4.4	15.4	8.5	5.3		0.8	128.8	CZ
15.0	4.8	0.8	2.2	1.8	0.2	0.4	2.0	10.3	1.2		0.4	51.0	DK
185.4	127.3	34.6	86.4	6.3	1.0	10.7	61.5	67.0	11.2			926.5	DE
2.4	0.8	0.1	0.3	0.4	0.0	0.0	0.5	1.3	0.3			18.1	EE
14.4	8.4	1.7	6.0	0.6		0.0	3.1	19.2	1.0			62.4	IE
20.0	6.4	0.7	5.2	0.6	0.2	1.1	11.9	8.3	4.5			98.6	EL
98.1	39.8	11.2	17.2	11.4	0.3	4.6	30.8	36.0	13.5			350.4	ES
150.0	87.6	25.3	50.1	12.1		4.2	44.5	78.4	17.4			474.6	FR
6.3	3.2	0.6	1.9	0.7		0.5	2.7	2.6	1.6			23.9	HR
115.7	81.7	23.4	50.7	7.7	0.5	7.5	30.0	30.0	18.8			442.8	IT
2.6	0.5	0.1	0.4	0.1	0.0		1.3	0.6	0.5			9.2	CY
3.5	1.4	0.5	0.5	0.4	0.0	0.1	0.8	2.7	0.7		0.0	11.6	LV
5.4	1.3	0.3	0.8	0.2	0.0	0.3	3.4	4.6	1.0			20.3	LT
7.1	1.6	0.5	1.1	0.0	0.0	0.0	0.6	0.7	0.1			11.7	LU
12.8	12.0	3.1	7.6	1.4	0.0	0.8	7.3	6.7	3.8			61.6	HU
1.0	0.2	0.1	0.0	0.0	0.0		0.2	0.1	0.1			2.6	MT
42.6	34.4	7.6	16.8	10.0	0.2	2.8	11.5	19.2	3.4		0.2	206.7	NL
24.7	8.8	1.9	6.1	0.9	0.1	0.5	16.7	7.2	1.7			81.0	AT
48.5	54.9	8.0	36.6	10.4		22.9	28.5	29.6	11.6			387.7	PL
19.4	4.4	1.1	2.1	1.1	0.1	1.3	7.6	6.6	6.4		0.2	72.1	PT
17.1	10.4	2.0	7.3	1.0	0.5	11.4	11.9	18.6	5.8			117.8	RO
5.4	1.5	0.4	0.9	0.2	0.0	0.4	1.2	1.7	0.5			16.9	SI
6.9	4.7	1.5	2.9	0.3	0.0	1.6	9.3	3.0	1.5			41.4	SK
13.1	3.8	1.0	1.5	1.4	1.1	0.1	6.1	6.5	2.1		0.1	57.5	FI
20.4	3.1	0.7	1.0	1.4	0.2	0.9	6.4	6.9	1.4			55.9	SE
151.2	89.5	20.4	64.4	4.7	2.0	11.0	33.5	44.6	18.2			536.9	UK
													MK
87.0	65.5	23.2	32.4	9.8		4.1	60.7	57.4	16.9			486.2	TR
1.6	0.6	0.0	0.0	0.6		0.2	2.0	0.6	0.2			5.2	IS
14.8	3.3	1.1	0.7	1.5	0.2	3.5	8.5	4.5	1.3			55.4	NO
20.3	13.2	4.1	8.6	0.4	0.1	0.2	4.0	6.1	0.8	0.0	0.1	53.1	CH

Notes: (*) Excluding LULUCF (Land Use, Land – Use Change and Forestry) emissions and international maritime, including international aviation and indirect CO₂.
(**) Excluding international maritime (international traffic departing from the EU), including international aviation.

3.2.4

GHG Emissions (*) 2015

BY SECTOR (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	78.6	97.4	36.4	86.1	9.5	4.4	14.2	21.3	1.9	13.6	5.2	8.0	50.1		
BE	74.4	99.3	23.7	77.0	22.3	0.7	15.2	9.2	3.1	23.5	4.7	15.8	43.7		
BG	74.5	97.4	67.4	95.5	4.5	0.0	6.4	4.1	5.1	12.2	4.4	9.1	65.1		
CZ	76.7	95.6	56.8	87.4	1.6	11.0	10.5	19.5	1.1	16.2	4.7	10.3	48.3		
DK	72.8	98.9	34.9	81.1	7.6	11.3	10.6	2.3		10.1	1.8	26.2	59.6		
DE	84.9	98.6	43.2	91.4	5.4	3.1	16.4	30.5	0.1		0.0	0.2	69.2		
EE	88.0	99.9	76.9	90.1		9.9	3.1		0.0	6.8	2.8	2.0	88.4		
IE	62.6	99.9	30.1	96.3	3.1	0.6	11.7	0.1	31.8	6.2	0.4	19.5	42.0		
EL	75.0	98.5	56.2	87.1	12.9	0.1	7.2	1.2	11.2	8.5	2.0	12.1	65.0		
ES	77.1	98.3	32.5	85.6	13.7	0.7	15.5	13.9	3.1	18.1	9.7	10.1	45.1		
FR	70.4	98.8	12.7	74.6	18.1	7.3	15.3	25.4	1.5	21.4	5.8	14.2	31.5		
HR	71.6	96.9	29.0	66.1	29.0	4.9	13.5	2.3	0.5	13.2	3.1	15.8	65.1		
IT	82.2	97.9	29.7	74.7	19.9	5.4	14.8	17.7	2.7	20.0	8.8	7.6	43.2		
CY	74.0	100.0	44.6	100.0			8.1		0.5	1.2	0.6	13.7	84.0		
LV	63.9	98.6	24.1	96.8		3.2	9.2	3.3	0.5	4.1	0.8	16.6	74.6		
LT	55.6	97.4	28.7	53.9	43.4	2.7	10.8			25.9	1.9	20.3	52.0		
LU	88.0	99.7	4.5	100.0			10.9	24.9	4.2	14.4	0.6	1.9	53.9		
HU	71.1	98.2	32.3	86.9	10.3	2.8	10.0	4.0	3.8	8.9	3.6	16.7	63.0		
MT	82.1	100.0	42.0	100.0			2.0						100.0		
NL	83.4	98.4	40.3	81.9	14.3	3.8	14.2	15.4	0.6	48.7	3.7	14.9	16.7		
AT	68.5	99.1	19.9	70.5	25.7	3.8	19.0	13.9	2.8	14.3	18.0	9.7	41.3		
PL	82.0	92.8	55.4	94.5	3.3	2.2	9.5	18.5	4.4	21.5	5.9	13.6	36.1		
PT	71.2	97.5	36.7	87.1	12.9		15.7	1.7		13.1	14.9	10.3	60.0		
RO	69.2	86.1	42.4	91.2	5.1	3.6	17.8	11.4		18.7	1.3	6.8	61.9		
SI	79.7	97.3	34.8	99.9		0.1	12.1	12.1	6.6	4.5	19.8	5.6	51.4		
SK	66.6	94.2	29.4	64.2	19.0	16.9	26.0	42.6	2.1	6.9	7.4	4.9	36.1		
FI	74.4	99.7	38.0	84.2	13.8	2.1	19.8	27.5	1.2	8.9	33.1	1.9	27.5		
SE	73.7	97.9	22.3	71.2	28.8		19.0	20.8		13.7	7.9	4.9	52.7		
UK	82.1	97.5	31.0	78.2	10.2	11.6	12.5	24.6	1.0	7.9	3.8	8.3	54.5		
MK															
TR	72.2	98.8	39.5	94.6	4.5	0.8	16.6	5.6	2.1	10.7	1.7	7.6	72.3		
IS	45.4	93.0	0.2	100.0			3.1	1.4	15.2			45.4	38.1		
NO	74.2	91.4	41.2	11.1	5.9	83.1	10.1	1.9	3.3	35.0	1.9	8.9	48.9		
CH	79.2	99.5	7.8	86.7	13.3	0.0	11.9	4.7	2.0	15.1	4.2	14.1	59.9		

Note: (*) Excluding LULUCF (Land Use, Land – Use Change and Forestry) emissions and international maritime, including international aviation and indirect CO₂.

GHG Emissions (*) 2015 BY SECTOR (SHARES %)

3.2.4

TRANSPORT (**)	OTHER SECTORS				OTHER (NOT ELSE-WHERE SPECIFIED)	FUGITIVE EMISSIONS FROM FUELS	INDUSTRIAL PROCESS-ES & PRODUCT USE	AGRICULTURE	WASTE	OTHER	INDIRECT CO ₂	TOTAL EMISSIONS	
	Commercial / Institutional	Residential	Agriculture / Forestry / Fisheries										
30.7	18.5	24.8	62.7	12.5	0.2	2.6	8.4	9.8	3.1		0.0	100	EU-28
34.1	26.9	23.9	67.3	8.8	0.1	0.7	16.1	8.2	1.3			100	BE
22.0	4.1	15.8	56.4	27.8	0.1	2.6	9.2	9.6	6.8			100	BG
19.7	12.6	21.8	67.9	10.3	0.4	4.4	12.0	6.6	4.1		0.6	100	CZ
40.8	13.1	17.0	44.8	38.1	0.5	1.1	3.9	20.2	2.3		0.8	100	DK
23.9	16.4	27.2	67.9	4.9	0.1	1.4	6.6	7.2	1.2			100	DE
15.1	4.8	12.2	41.6	46.2	0.2	0.1	2.8	7.4	1.8			100	EE
36.8	21.4	20.8	72.2	6.9		0.1	5.0	30.8	1.6			100	IE
27.5	8.9	11.1	80.3	8.6	0.3	1.5	12.1	8.4	4.5			100	EL
36.9	15.0	28.1	43.2	28.7	0.1	1.7	8.8	10.3	3.8			100	ES
45.4	26.5	28.9	57.2	13.8		1.2	9.4	16.5	3.7			100	FR
38.1	19.4	18.3	60.0	21.8		3.1	11.2	10.7	6.5			100	HR
32.5	22.9	28.6	62.0	9.4	0.1	2.1	6.8	6.8	4.2			100	IT
38.9	8.0	19.6	65.2	15.2	0.3		14.3	6.1	5.6			100	CY
47.1	19.4	32.7	37.2	30.1	0.1	1.4	6.5	23.5	5.9		0.1	100	LV
48.7	11.5	22.8	60.5	16.7	0.3	2.6	16.7	22.6	5.1			100	LT
69.3	15.3	30.3	68.1	1.6	0.0	0.3	5.4	5.8	0.8			100	LU
29.6	28.0	25.8	62.8	11.4	0.0	1.8	11.8	10.8	6.2			100	HU
46.4	9.3	68.9	22.6	8.5	0.2		9.6	2.6	5.7			100	MT
25.1	20.3	22.2	48.8	29.0	0.1	1.6	5.6	9.3	1.6		0.1	100	NL
45.0	16.1	20.9	69.1	9.9	0.1	0.9	20.6	8.8	2.0			100	AT
16.4	18.6	14.5	66.6	18.9		7.2	7.4	7.6	3.0			100	PL
38.7	8.7	26.2	47.6	26.2	0.2	2.5	10.5	9.2	8.9		0.2	100	PT
24.4	14.8	19.4	70.7	9.9	0.7	13.9	10.1	15.8	5.0			100	RO
41.5	11.5	26.0	57.9	16.1	0.0	2.7	6.9	10.3	3.1			100	SI
26.4	18.0	32.1	62.0	5.9	0.2	5.8	22.4	7.3	3.7			100	SK
30.7	8.9	25.4	38.6	36.0	2.6	0.3	10.6	11.3	3.7		0.1	100	FI
50.5	7.7	22.4	33.2	44.4	0.5	2.1	11.5	12.3	2.5			100	SE
35.2	20.8	22.8	72.0	5.2	0.5	2.5	6.2	8.3	3.4			100	UK
													MK
25.1	18.9	35.5	49.5	15.0		1.2	12.5	11.8	3.5			100	TR
70.8	25.9	0.4	1.2	98.4		7.0	38.8	11.8	4.0			100	IS
39.3	8.8	33.2	20.6	46.2	0.6	8.5	15.3	8.2	2.3			100	NO
48.5	31.4	31.4	65.3	3.3	0.3	0.5	7.5	11.4	1.6	0.0	0.2	100	CH

Notes: (*) Excluding LULUCF (Land Use, Land – Use Change and Forestry) emissions and international maritime, including international aviation and indirect CO₂.

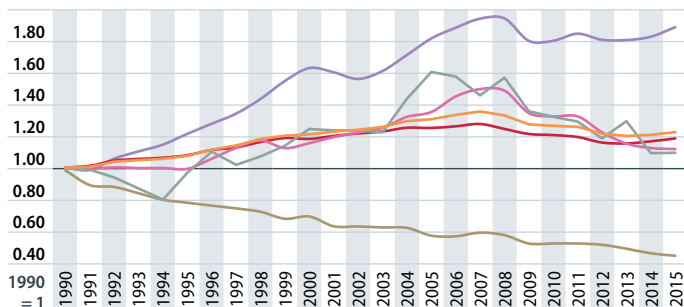
(**) Excluding international maritime (international traffic departing from the EU), including international aviation.

3.2.5 GHG Emissions from Transport – EU-28 BY MODE (MILLION TONNES CO₂ EQUIVALENT)

INCLUDING INTERNATIONAL BUNKERS

	TOTAL CIVIL AVIATION	Civil Aviation (domestic) (*)	International Bunkers – Aviation	ROAD TRANSPORTATION	RAILWAYS (***)	TOTAL NAVIGATION	Navigation (domestic) (*)	International Bunkers – Maritime Transport	OTHER TRANSPORTATION (****)	TOTAL TRANSPORT	TOTAL EMISSIONS (**)
1990	83.5	14.2	69.3	723.3	14.1	135.2	24.9	110.3	5.4	961.4	5 826.6
1995	101.3	15.1	86.1	782.6	11.2	134.2	23.4	110.8	5.2	1 034.4	5 492.2
2000	135.8	19.9	115.9	859.8	9.9	156.4	21.7	134.7	6.7	1 168.6	5 405.5
2005	151.3	19.6	131.7	911.9	8.2	183.3	22.3	161.0	8.6	1 263.3	5 506.2
2006	156.9	19.6	137.3	919.7	8.1	196.7	22.6	174.1	8.5	1 289.9	5 512.4
2007	161.7	19.8	141.9	930.6	8.5	203.0	21.7	181.3	7.8	1 311.7	5 475.1
2008	161.8	19.2	142.6	907.1	8.2	201.7	20.9	180.8	8.4	1 287.4	5 360.3
2009	150.0	18.0	132.0	883.2	7.5	182.4	20.8	161.5	7.3	1 230.4	4 965.1
2010	150.1	17.8	132.3	878.1	7.5	179.5	20.8	158.7	7.1	1 222.3	5 068.2
2011	153.8	17.3	136.6	868.7	7.5	179.5	18.9	160.6	6.9	1 216.4	4 919.3
2012	150.6	16.6	134.0	842.5	7.4	165.7	17.9	147.9	6.4	1 172.6	4 841.1
2013	150.5	15.3	135.2	838.2	7.0	156.0	16.3	139.7	7.0	1 158.8	4 738.5
2014	152.2	15.0	137.3	848.4	6.6	152.2	15.8	136.4	5.9	1 165.2	4 560.1
2015	157.3	15.1	142.2	862.1	6.4	151.2	16.4	134.8	5.9	1 182.9	4 586.6

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



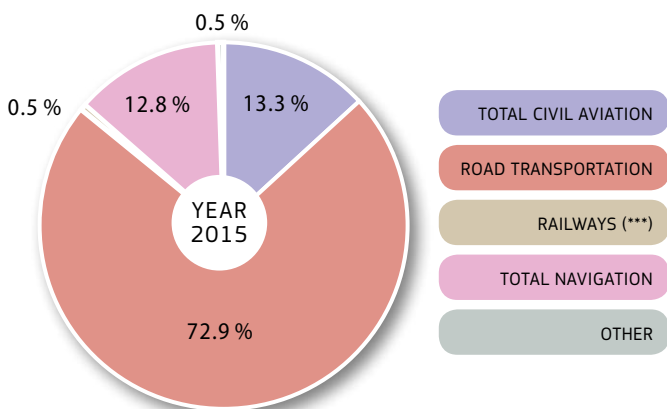
- Notes:** (*) Excluding International Bunkers (international traffic departing from the EU)
 (**) Including International Bunkers and Indirect CO₂ but excluding LULUCF.
 (***) Excluding indirect emissions from electricity consumption.
 (****) Combustion emissions from all remaining transport activities including pipeline transportation, ground activities in airports and harbours, and off-road activities.

GHG Emissions from Transport 3.2.5

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	17.0	83.0	75.2	1.5	14.1	18.4	81.6	0.6	16.5	100
1995	9.8	14.9	85.1	75.7	1.1	13.0	17.4	82.6	0.5	18.8	100
2000	11.6	14.6	85.4	73.6	0.8	13.4	13.9	86.1	0.6	21.6	100
2005	12.0	13.0	87.0	72.2	0.6	14.5	12.2	87.8	0.7	22.9	100
2006	12.2	12.5	87.5	71.3	0.6	15.2	11.5	88.5	0.7	23.4	100
2007	12.3	12.2	87.8	70.9	0.6	15.5	10.7	89.3	0.6	24.0	100
2008	12.6	11.9	88.1	70.5	0.6	15.7	10.4	89.6	0.7	24.0	100
2009	12.2	12.0	88.0	71.8	0.6	14.8	11.4	88.6	0.6	24.8	100
2010	12.3	11.9	88.1	71.8	0.6	14.7	11.6	88.4	0.6	24.1	100
2011	12.6	11.2	88.8	71.4	0.6	14.8	10.5	89.5	0.6	24.7	100
2012	12.8	11.0	89.0	71.8	0.6	14.1	10.8	89.2	0.5	24.2	100
2013	13.0	10.2	89.8	72.3	0.6	13.5	10.5	89.5	0.6	24.5	100
2014	13.1	9.8	90.2	72.8	0.6	13.1	10.4	89.6	0.5	25.6	100
2015	13.3	9.6	90.4	72.9	0.5	12.8	10.9	89.1	0.5	25.8	100



Notes: (*) Excluding International Bunkers (international traffic departing from the EU).
 (**) Including International Bunkers and Indirect CO₂ 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 – 2015

BY MODE (MILLION TONNES CO₂ 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	157.3	15.1	142.2	862.1	6.4	151.2	16.4	134.8	5.9	1 182.9	4 586.6
BE	4.2	0.0	4.2	25.8	0.1	18.5	0.4	18.1	0.2	48.7	139.7
BG	0.6	0.0	0.5	8.9	0.1	0.3	0.0	0.3	0.3	10.2	62.3
CZ	0.9	0.0	0.9	17.4	0.3	0.0	0.0		0.1	18.6	128.8
DK	2.8	0.1	2.7	11.6	0.3	2.7	0.4	2.3		17.3	53.3
DE	26.8	2.2	24.5	154.6	0.9	8.8	1.8	7.0	1.2	192.4	933.5
EE	0.1	0.0	0.1	2.2	0.1	0.9	0.0	0.9		3.3	19.0
IE	2.6	0.0	2.5	11.3	0.1	0.7	0.2	0.5	0.1	14.9	62.9
EL	3.3	0.4	2.9	14.7	0.1	7.8	1.8	5.9		25.9	104.6
ES	17.3	2.5	14.7	79.0	0.2	25.6	1.4	24.2	0.3	122.3	374.6
FR	22.1	4.6	17.5	125.7	0.4	7.0	1.3	5.7	0.4	155.7	480.3
HR	0.4	0.0	0.4	5.7	0.1	0.1	0.1	0.0		6.3	23.9
IT	11.8	2.1	9.8	99.4	0.1	9.5	3.9	5.6	0.6	121.4	448.4
CY	0.8	0.0	0.8	1.9		0.8	0.0	0.8		3.4	10.0
LV	0.3	0.0	0.3	2.9	0.2	0.9	0.0	0.9		4.3	12.5
LT	0.2	0.0	0.2	4.8	0.2	0.3	0.0	0.2	0.1	5.6	20.6
LU	1.4	0.0	1.4	5.7	0.0	0.0	0.0	0.0		7.1	11.7
HU	0.6	0.0	0.5	11.9	0.2	0.0	0.0		0.1	12.8	61.6
MT	0.4	0.0	0.4	0.6		5.2	0.0	5.1		6.1	7.7
NL	11.5	0.0	11.5	29.7	0.1	40.7	1.3	39.5	0.1	82.1	246.2
AT	2.2	0.1	2.1	21.8	0.1	0.1	0.0	0.1	0.6	24.8	81.1
PL	2.0	0.1	1.9	45.4	0.3	0.6	0.0	0.6	0.8	49.1	388.3
PT	3.5	0.4	3.2	15.5	0.0	2.4	0.3	2.1		21.5	74.2
RO	1.5	0.1	1.4	15.1	0.4	0.3	0.1	0.1	0.0	17.2	117.9
SI	0.1	0.0	0.1	5.3	0.0	0.2		0.2	0.0	5.6	17.1
SK	0.1	0.0	0.1	6.4	0.1	0.0	0.0	0.0	0.2	6.9	41.4
FI	2.2	0.2	2.0	10.4	0.1	1.4	0.4	0.9	0.0	14.0	58.5
SE	2.7	0.5	2.2	17.0	0.0	6.5	0.4	6.2	0.3	26.5	62.1
UK	35.0	1.6	33.4	111.3	1.9	10.0	2.4	7.6	0.6	158.7	544.5
MK											
TR	15.4	4.2	11.2	69.3	0.5	3.9	1.1	2.8	0.6	89.7	489.0
IS	0.7	0.0	0.7	0.8		0.3	0.0	0.3		1.9	5.5
NO	2.8	1.3	1.5	10.3	0.1	2.4	1.6	0.8		15.6	56.3
CH	5.1	0.1	4.9	15.0	0.0	0.1	0.1	0.0	0.0	20.3	53.1

Notes: (*) Excluding International Bunkers (international traffic departing from the EU).

(**) Including International Bunkers and Indirect CO₂ but excluding LULUCF.

GHG Emissions from Transport 3.2.6 2015 – 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	13.3	9.6	90.4	72.9	0.5	12.8	10.9	89.1	0.5	25.8	100
BE	8.6	0.3	99.7	53.0	0.1	37.9	2.2	97.8	0.4	34.9	100
BG	5.7	7.0	93.0	87.6	0.5	2.8	3.6	96.4	3.4	16.3	100
CZ	4.9	1.1	98.9	93.1	1.6	0.1	100.0		0.4	14.5	100
DK	16.1	4.7	95.3	66.9	1.4	15.6	13.9	86.1		32.5	100
DE	13.9	8.4	91.6	80.4	0.5	4.6	20.6	79.4	0.6	20.6	100
EE	2.3	1.7	98.3	67.3	2.0	28.4	4.3	95.7		17.3	100
IE	17.2	0.4	99.6	76.2	0.8	4.8	30.9	69.1	1.0	23.6	100
EL	12.7	12.0	88.0	56.8	0.5	30.0	23.5	76.5		24.8	100
ES	14.1	14.6	85.4	64.6	0.2	20.9	5.4	94.6	0.2	32.7	100
FR	14.2	20.8	79.2	80.8	0.3	4.5	18.9	81.1	0.3	32.4	100
HR	6.1	8.0	92.0	90.7	1.0	2.2	96.0	4.0		26.5	100
IT	9.7	17.5	82.5	81.9	0.1	7.9	41.0	59.0	0.5	27.1	100
CY	22.2	0.1	99.9	55.1		22.7	0.2	99.8		34.4	100
LV	7.7	0.5	99.5	66.9	5.3	20.1	1.3	98.7		34.5	100
LT	4.4	0.6	99.4	86.5	3.2	4.6	5.3	94.7	1.2	27.2	100
LU	19.9	0.0	100.0	80.0	0.1	0.0	89.9	10.1		60.8	100
HU	4.3	0.8	99.2	93.6	1.4	0.2	100.0		0.5	20.7	100
MT	5.8	1.1	98.9	9.5		84.7	1.0	99.0		79.3	100
NL	14.0	0.3	99.7	36.2	0.1	49.6	3.1	96.9	0.1	33.3	100
AT	8.9	2.3	97.7	88.0	0.5	0.3	16.6	83.4	2.4	30.6	100
PL	4.1	6.2	93.8	92.4	0.6	1.2	1.9	98.1	1.6	12.6	100
PT	16.5	10.4	89.6	72.2	0.2	11.1	11.3	88.7		29.0	100
RO	8.8	8.4	91.6	87.5	2.2	1.5	49.2	50.8	0.0	14.6	100
SI	1.4	2.6	97.4	94.2	0.7	3.7		100.0	0.1	33.0	100
SK	2.2	2.5	97.5	93.3	1.4	0.4	22.1	77.9	2.7	16.6	100
FI	15.5	8.7	91.3	74.4	0.5	9.7	31.4	68.6	0.0	24.0	100
SE	10.2	18.9	81.1	63.9	0.2	24.7	5.6	94.4	1.1	42.8	100
UK	22.0	4.6	95.4	70.1	1.2	6.3	24.0	76.0	0.4	29.2	100
MK											
TR	17.1	27.3	72.7	77.2	0.5	4.4	29.3	70.7	0.7	18.4	100
IS	37.1	2.9	97.1	44.9		18.0	7.9	92.1		33.9	100
NO	18.1	45.4	54.6	66.1	0.3	15.5	66.7	33.3		27.7	100
CH	25.0	2.7	97.3	73.9	0.1	0.7	82.2	17.8	0.2	38.2	100

Notes: (*) Excluding International Bunkers (international traffic departing from the EU).

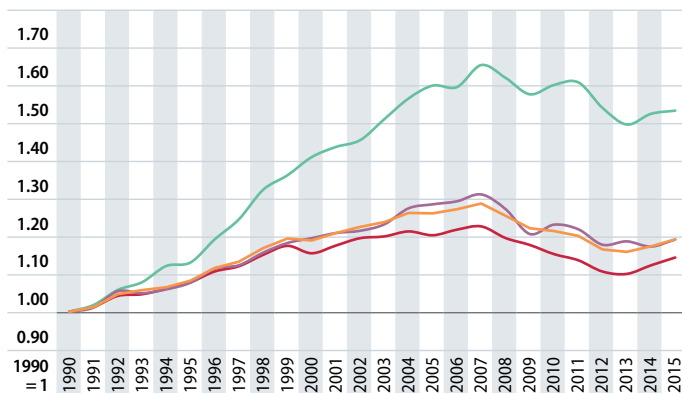
(**) Including International Bunkers and Indirect CO₂ but excluding LULUCF.

(***) Total transport share in total emissions.

3.2.7 GHG Emissions from Road Transport EU-28 – BY TRANSPORT MEAN (MILLION TONNES CO₂ EQUIVALENT)

	ROAD TRANSPORTATION	Cars	Light duty trucks	Heavy duty trucks and buses	Motorcycles	Other Road Transportation	TOTAL TRANSPORT (*)	TOTAL EMISSIONS (**)
1990	723.3	459.5	66.9	187.2	9.4	0.3	961.4	5826.6
1995	782.6	495.6	75.5	201.5	9.9	0.1	1034.4	5492.2
2000	859.8	531.2	93.9	223.6	11.0	0.1	1168.6	5405.5
2005	911.9	553.3	106.4	240.3	11.4	0.4	1263.3	5506.2
2006	919.7	560.2	106.2	241.8	11.0	0.4	1289.9	5512.4
2007	930.6	564.2	110.0	245.2	10.8	0.4	1311.7	5475.1
2008	907.1	549.9	107.8	238.0	11.1	0.4	1287.4	5360.3
2009	883.2	541.4	104.9	225.6	10.8	0.4	1230.4	4965.1
2010	878.1	530.1	106.5	230.3	10.8	0.3	1222.3	5068.2
2011	868.7	522.6	107.0	228.0	10.8	0.3	1216.4	4919.3
2012	842.5	508.8	102.5	220.3	10.6	0.3	1172.6	4841.1
2013	838.2	505.9	99.6	222.0	10.5	0.3	1158.8	4738.5
2014	848.4	516.4	101.5	219.4	10.8	0.3	1165.2	4560.1
2015	862.1	526.0	102.0	222.9	10.9	0.3	1182.9	4586.6

Cars · Light duty trucks · Heavy duty trucks and buses · Total road transport



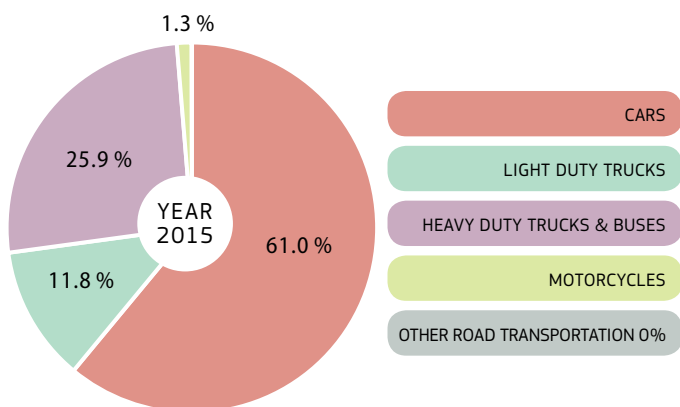
Notes: (*) Including International Bunkers (international traffic departing from the EU).
(**) Including International Bunkers and Indirect CO₂ but excluding LULUCF.

GHG Emissions from Road Transport 3.2.7

EU-28 – BY TRANSPORT MEAN

(SHARES %)

	ROAD TRANSPORTATION	Cars	Light duty trucks	Heavy duty trucks and buses	Motorcycles	Other Road Transportation	TOTAL TRANSPORT (***)	TOTAL EMISSIONS (**)
1990	75.2	63.5	9.3	25.9	1.3	0.0	16.5	100.0
1995	75.7	63.3	9.6	25.7	1.3	0.0	18.8	100.0
2000	73.6	61.8	10.9	26.0	1.3	0.0	21.6	100.0
2005	72.2	60.7	11.7	26.4	1.3	0.0	22.9	100.0
2006	71.3	60.9	11.5	26.3	1.2	0.0	23.4	100.0
2007	70.9	60.6	11.8	26.4	1.2	0.0	24.0	100.0
2008	70.5	60.6	11.9	26.2	1.2	0.0	24.0	100.0
2009	71.8	61.3	11.9	25.5	1.2	0.0	24.8	100.0
2010	71.8	60.4	12.1	26.2	1.2	0.0	24.1	100.0
2011	71.4	60.2	12.3	26.2	1.2	0.0	24.7	100.0
2012	71.8	60.4	12.2	26.2	1.3	0.0	24.2	100.0
2013	72.3	60.3	11.9	26.5	1.2	0.0	24.5	100.0
2014	72.8	60.9	12.0	25.9	1.3	0.0	25.6	100.0
2015	72.9	61.0	11.8	25.9	1.3	0.0	25.8	100.0



Notes: (**) Including International Bunkers and Indirect CO₂ but excluding LULUCF.
 (***) Total transport share in total emissions.

3.2.8 Total CO₂ Emissions (*)

MILLION TONNES

	1990	1995	2000	2005	2010	2014	2015
EU-28	4 530.5	4 288.3	4 280.2	4 423.0	4 063.8	3 606.4	3 640.6
BE	122.7	128.7	131.2	128.9	117.5	100.6	104.4
BG	79.4	58.4	45.4	51.1	48.3	45.7	48.8
CZ	164.3	132.0	127.5	126.6	118.1	104.5	105.5
DK	56.5	64.6	57.5	54.8	52.1	40.6	38.2
DE	1 064.2	952.9	918.4	888.6	856.4	819.2	816.4
EE	37.2	18.3	15.4	17.3	19.1	19.0	16.0
IE	33.9	36.9	47.0	50.5	43.9	38.9	40.9
EL	85.9	89.6	105.5	116.5	99.9	81.5	77.8
ES	236.9	274.5	322.0	382.4	297.1	268.6	286.3
FR	408.2	408.4	429.0	439.9	404.0	348.1	353.9
HR	23.9	17.2	20.0	23.7	21.5	18.1	18.3
IT	439.1	453.2	474.2	500.4	434.3	356.2	366.9
CY	5.4	6.7	7.9	8.8	8.8	7.7	7.6
LV	20.0	9.3	7.2	8.0	8.9	7.5	7.6
LT	36.2	15.1	11.9	14.2	13.9	13.1	13.4
LU	12.2	9.7	9.7	13.4	12.5	11.0	10.7
HU	73.9	62.2	59.3	61.3	52.9	44.6	47.3
MT	2.4	2.7	2.8	3.0	2.9	2.8	2.1
NL	167.5	180.9	181.9	188.4	193.0	169.1	176.7
AT	63.2	65.5	68.0	81.3	74.6	66.2	68.9
PL	376.7	362.1	317.9	322.6	333.6	309.3	312.5
PT	47.1	56.4	67.9	71.6	55.4	50.9	55.3
RO	171.5	126.1	93.4	100.0	82.8	77.8	79.4
SI	15.1	15.3	15.5	17.0	16.4	13.6	13.7
SK	62.0	44.8	41.3	42.9	38.7	33.6	34.0
FI	58.1	59.2	58.2	58.4	65.7	49.7	46.4
SE	58.9	60.7	56.7	55.9	55.1	45.5	45.5
UK	608.1	577.0	587.7	595.5	536.2	463.2	446.2
MK							
TR	148.7	182.2	229.3	267.3	327.9	369.1	394.5
IS	2.4	2.5	3.2	3.3	3.8	3.8	4.0
NO	36.3	39.1	43.1	44.5	47.1	45.6	46.2
CH	47.6	47.4	48.5	49.4	49.4	44.1	43.8

Notes: (*) Excluding International Maritime and LULUCF (Land Use, Land – Use Change and Forestry) emissions, including International Aviation and Indirect CO₂. 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.

CO₂ Emissions from Transport 3.2.9

MILLION TONNES

INCLUDING INTERNATIONAL BUNKERS (*)

	1990	1995	2000	2005	2010	2014	2015
EU-28	945.1	1 015.6	1 150.9	1 248.8	1 209.2	1 152.3	1 169.6
BE	36.1	38.1	45.2	54.9	55.0	46.1	48.4
BG	7.3	6.0	5.8	8.6	8.7	9.2	10.1
CZ	7.6	9.6	12.2	17.7	17.6	17.5	18.2
DK	15.3	18.7	18.5	18.0	17.5	16.9	17.1
DE	180.2	195.6	205.6	189.9	184.9	189.4	190.4
EE	3.1	1.9	2.0	2.6	3.0	3.3	3.3
IE	6.1	7.6	12.9	15.7	14.1	13.9	14.7
EL	24.7	30.1	32.4	33.2	33.4	25.1	25.5
ES	75.3	86.3	114.5	139.1	130.1	118.3	121.0
FR	135.5	146.5	161.2	163.4	156.1	152.4	153.7
HR	4.4	3.6	4.6	5.8	6.2	5.9	6.2
IT	109.2	121.6	133.6	142.0	129.7	121.0	120.1
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	4.0	4.2
LT	6.4	3.6	3.5	4.7	4.9	5.1	5.5
LU	3.0	3.9	5.8	8.4	7.8	7.3	7.0
HU	9.2	7.9	9.6	12.6	12.2	11.6	12.6
MT	1.3	2.3	3.1	2.9	5.4	4.9	6.1
NL	67.4	72.5	84.9	96.4	89.9	82.9	81.3
AT	14.7	17.1	20.4	26.8	24.5	24.0	24.6
PL	21.9	23.7	28.9	36.6	49.6	46.0	48.5
PT	12.8	15.8	22.5	23.2	22.8	20.8	21.3
RO	12.8	8.9	10.0	12.7	14.6	16.2	17.0
SI	2.7	3.7	3.7	4.5	5.3	5.6	5.6
SK	6.8	5.5	5.6	7.6	7.5	6.5	6.8
FI	14.7	13.1	15.0	15.7	14.9	13.1	13.9
SE	22.6	24.2	26.2	29.5	29.1	26.1	26.2
UK	137.3	142.9	157.6	168.4	156.3	155.8	157.1
MK							
TR	27.2	34.6	38.4	47.7	52.6	85.3	88.1
IS	0.9	1.0	1.2	1.3	1.4	1.6	1.8
NO	12.2	13.8	15.2	15.7	16.0	15.5	15.3
CH	17.5	17.7	20.4	19.2	20.5	20.7	20.1

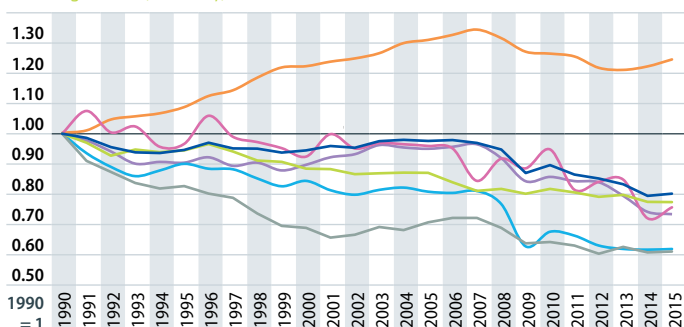
Note: (*) The activity data used in GHG inventories to report international maritime emissions (emissions from bunker fuels) are not fully consistent with the energy statistics on bunker fuels for some years and countries. For EU-28, changes in international maritime emissions between 2010 and 2011 show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

3.2.10

CO₂ Emissions (*) EU-28 BY SECTOR (MILLION TONNES)

	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	4180.3	4150.8	1669.9	1432.4	122.1	115.4	828.9	174.9	16.2	113.3	34.4	52.2	437.9		
1995	3964.5	3934.8	1511.4	1282.2	128.9	100.3	736.5	157.2	17.6	108.4	38.2	60.2	354.9		
2000	3959.5	3932.3	1499.8	1283.6	132.0	84.2	672.3	136.4	17.4	91.6	36.4	55.4	335.2		
2005	4098.7	4071.2	1587.4	1366.2	141.6	79.6	627.1	122.3	15.7	86.7	33.6	50.4	318.3		
2006	4108.1	4079.6	1598.0	1378.2	138.2	81.7	620.0	125.1	15.6	84.3	33.0	45.9	316.2		
2007	4061.1	4032.8	1612.1	1393.7	138.9	79.5	621.8	131.4	15.4	80.9	32.5	45.7	315.9		
2008	3982.8	3955.5	1536.2	1318.8	140.1	77.4	593.0	123.8	14.8	80.1	29.1	42.9	302.3		
2009	3697.2	3671.6	1410.3	1213.5	132.6	64.2	497.1	90.0	13.5	71.1	26.4	38.9	257.2		
2010	3794.5	3768.4	1433.8	1228.8	133.2	71.9	530.7	108.3	13.9	72.7	27.9	40.8	267.1		
2011	3655.6	3629.8	1410.8	1210.2	131.0	69.6	516.9	106.4	13.1	71.6	26.7	38.8	260.3		
2012	3609.4	3584.4	1404.5	1219.6	126.5	58.4	493.0	101.7	12.2	68.8	25.8	38.5	246.1		
2013	3526.3	3499.5	1330.3	1155.7	119.2	55.4	483.1	100.6	9.5	69.2	26.0	38.0	239.8		
2014	3348.6	3322.6	1242.8	1072.4	115.9	54.6	475.4	101.9	8.8	65.3	24.1	37.0	238.4		
2015	3382.1	3355.7	1230.4	1059.3	117.7	53.4	477.0	102.2	9.1	65.0	24.6	38.0	238.1		

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

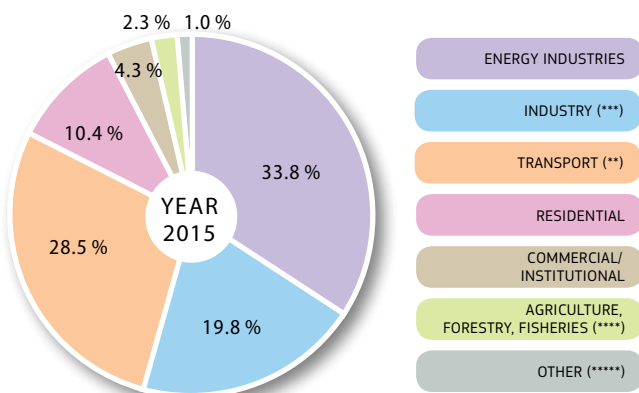


- Notes:** (*) Excluding LULUCF (Land Use, Land – Use Change and Forestry) emissions and international maritime, including international aviation and indirect CO₂.
 (**) Excluding international maritime (international traffic departing from the EU), including international aviation.
 (***) Emissions 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 CO₂ and Other.

CO₂ Emissions (*) EU-28 BY SECTOR (MILLION TONNES)

3.2.10

TRANSPORT (**)	OTHER SECTORS			Agriculture / Forestry / Fisheries	OTHER (NOT ELSE-WHERE SPECIFIED)	FUGITIVE EMISSIONS FROM FUELS	INDUSTRIAL PROCESSES & PRODUCT USE			WASTE	OTHER	INDIRECT CO ₂	TOTAL EMISSIONS	
	Commercial / Institutional	Residential					AGRICULTURE							
836.1	793.2	197.7	503.4	92.1	22.8	29.5	325.3	15.2	5.2		4.4	4530.5	1990	
906.2	767.4	180.3	497.0	90.1	13.4	29.6	304.2	11.3	4.6		3.7	4288.3	1995	
1017.7	732.8	174.5	473.7	84.6	9.6	27.2	304.1	10.5	3.4		2.7	4280.2	2000	
1089.4	756.9	183.7	488.9	84.2	10.5	27.4	308.8	9.4	3.8		2.4	4423.0	2005	
1103.0	748.2	189.2	477.9	81.1	10.3	28.5	311.2	9.1	3.8		2.3	4434.6	2006	
1117.5	670.7	167.8	425.0	77.8	10.7	28.3	316.7	9.4	3.8		2.2	4393.2	2007	
1094.2	722.3	188.2	455.2	78.9	9.8	27.3	296.5	9.0	3.7		2.1	4294.2	2008	
1057.3	698.3	179.6	441.8	76.8	8.6	25.6	233.2	9.3	3.6		2.0	3945.3	2009	
1052.0	743.5	187.9	476.8	78.8	8.3	26.0	254.6	9.1	3.7		2.0	4063.8	2010	
1044.3	649.8	168.8	403.8	77.2	8.1	25.8	253.7	9.5	3.6		1.9	3924.3	2011	
1013.3	666.2	165.7	424.9	75.7	7.3	25.0	240.3	9.4	3.6		1.8	3864.5	2012	
1007.7	671.4	167.4	428.3	75.7	7.1	26.8	237.5	10.1	3.5		1.7	3779.2	2013	
1017.2	580.4	149.4	357.9	73.2	6.8	26.0	242.5	10.1	3.5		1.6	3606.4	2014	
1036.2	605.3	154.9	377.4	73.0	6.9	26.4	243.4	10.3	3.2		1.7	3640.6	2015	



- Notes:** (*) Excluding LULUCF (Land Use, Land – Use Change and Forestry) emissions and international maritime, including international aviation and indirect CO₂.
 (**) 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 CO₂ and Other.

3.2.10

CO₂ Emissions (*) EU-28 BY SECTOR (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	40.2	85.8	7.3	6.9	20.0	21.1	2.0	13.7	4.1	6.3	52.8		
1991	92.8	99.3	39.6	86.2	7.2	6.6	19.0	21.1	2.2	13.7	4.7	6.7	51.6		
1992	93.0	99.3	39.3	86.3	7.4	6.3	18.6	20.8	2.2	13.0	4.7	7.0	52.4		
1993	93.0	99.3	38.4	85.6	8.0	6.4	18.3	20.6	2.3	13.0	4.8	7.3	52.0		
1994	92.6	99.3	38.9	85.2	8.1	6.7	18.5	21.6	2.3	13.7	5.2	8.0	49.2		
1995	92.4	99.3	38.4	84.8	8.5	6.6	18.7	21.3	2.4	14.7	5.2	8.2	48.2		
1996	92.8	99.3	38.1	85.2	8.6	6.2	17.9	20.2	2.3	14.6	5.2	8.4	49.3		
1997	92.5	99.3	37.7	84.7	8.9	6.4	18.1	21.1	2.5	14.2	5.3	8.2	48.7		
1998	92.6	99.3	38.1	85.1	8.9	5.9	17.3	21.2	2.6	13.4	5.3	8.2	49.3		
1999	92.7	99.3	37.5	85.3	8.8	5.9	17.0	20.2	2.6	13.5	5.2	8.3	50.1		
2000	92.5	99.3	38.1	85.6	8.8	5.6	17.1	20.3	2.6	13.6	5.4	8.2	49.9		
2001	92.9	99.4	38.4	86.0	8.8	5.2	16.2	19.7	2.8	13.7	5.2	8.4	50.0		
2002	92.9	99.3	39.1	86.1	8.7	5.2	15.9	19.2	2.8	13.8	5.4	8.6	50.1		
2003	92.8	99.3	39.5	86.6	8.4	5.0	15.7	19.2	2.7	14.0	5.4	8.4	50.4		
2004	92.6	99.4	39.0	86.4	8.7	5.0	15.6	19.8	2.6	13.9	5.2	8.2	50.2		
2005	92.7	99.3	39.0	86.1	8.9	5.0	15.4	19.5	2.5	13.8	5.4	8.0	50.8		
2006	92.6	99.3	39.2	86.2	8.6	5.1	15.2	20.2	2.5	13.6	5.3	7.4	51.0		
2007	92.4	99.3	40.0	86.5	8.6	4.9	15.4	21.1	2.5	13.0	5.2	7.4	50.8		
2008	92.7	99.3	38.8	85.8	9.1	5.0	15.0	20.9	2.5	13.5	4.9	7.2	51.0		
2009	93.7	99.3	38.4	86.0	9.4	4.6	13.5	18.1	2.7	14.3	5.3	7.8	51.7		
2010	93.4	99.3	38.0	85.7	9.3	5.0	14.1	20.4	2.6	13.7	5.3	7.7	50.3		
2011	93.2	99.3	38.9	85.8	9.3	4.9	14.2	20.6	2.5	13.8	5.2	7.5	50.4		
2012	93.4	99.3	39.2	86.8	9.0	4.2	13.8	20.6	2.5	13.9	5.2	7.8	49.9		
2013	93.3	99.2	38.0	86.9	9.0	4.2	13.8	20.8	2.0	14.3	5.4	7.9	49.7		
2014	92.9	99.2	37.4	86.3	9.3	4.4	14.3	21.4	1.9	13.7	5.1	7.8	50.1		
2015	92.9	99.2	36.7	86.1	9.6	4.3	14.2	21.4	1.9	13.6	5.2	8.0	49.9		

Notes: (*) Excluding LULUCF (Land Use, Land – Use Change and Forestry) emissions and international maritime, including international aviation and indirect CO₂. Indirect emissions from electricity use are not included in the CO₂ emissions from fuel combustion by Manufacturing and Construction, Transport and other sectors (Commercial/Institutional, Residential and Agriculture/Forestry/Fisheries).

CO₂ Emissions (*) EU-28 BY SECTOR (SHARES %)

3.2.10

TRANSPORT (**)	OTHER SECTORS				OTHER (NOT ELSE-WHERE SPECIFIED)	FUGITIVE EMISSIONS FROM FUELS	INDUSTRIAL PROCESSES & PRODUCT USE	AGRICULTURE	WASTE	OTHER	INDIRECT CO ₂	TOTAL EMISSIONS	
	Commercial / Institutional	Residential	Agriculture / Forestry / Fisheries										
20.1	19.1	24.9	63.5	11.6	0.5	0.7	7.2	0.3	0.1		0.1	100	1990
20.5	20.5	24.7	64.5	10.8	0.5	0.7	6.7	0.3	0.1		0.1	100	1991
21.8	19.8	24.2	64.6	11.1	0.4	0.7	6.5	0.3	0.1		0.1	100	1992
22.4	20.6	23.5	65.2	11.3	0.4	0.7	6.5	0.3	0.1		0.1	100	1993
22.8	19.5	23.3	64.8	11.9	0.4	0.7	6.9	0.2	0.1		0.1	100	1994
23.0	19.5	23.5	64.8	11.7	0.3	0.7	7.1	0.3	0.1		0.1	100	1995
23.1	20.6	23.8	65.1	11.1	0.3	0.7	6.8	0.3	0.1		0.1	100	1996
24.1	19.8	23.4	65.2	11.4	0.3	0.7	7.0	0.3	0.1		0.1	100	1997
24.9	19.4	23.6	65.1	11.3	0.3	0.7	7.0	0.3	0.1		0.1	100	1998
25.9	19.3	24.0	64.5	11.5	0.3	0.7	6.9	0.3	0.1		0.1	100	1999
25.9	18.6	23.8	64.6	11.5	0.2	0.7	7.1	0.2	0.1		0.1	100	2000
25.7	19.5	24.2	65.0	10.8	0.2	0.6	6.7	0.2	0.1		0.1	100	2001
26.0	18.8	23.7	65.3	11.1	0.2	0.7	6.7	0.2	0.1		0.1	100	2002
25.9	18.7	23.4	65.7	10.9	0.2	0.7	6.8	0.2	0.1		0.1	100	2003
26.5	18.6	24.1	64.9	11.0	0.3	0.6	7.0	0.2	0.1		0.1	100	2004
26.8	18.6	24.3	64.6	11.1	0.3	0.7	7.0	0.2	0.1		0.1	100	2005
27.0	18.3	25.3	63.9	10.8	0.3	0.7	7.0	0.2	0.1		0.1	100	2006
27.7	16.6	25.0	63.4	11.6	0.3	0.7	7.2	0.2	0.1		0.1	100	2007
27.7	18.3	26.1	63.0	10.9	0.2	0.7	6.9	0.2	0.1		0.1	100	2008
28.8	19.0	25.7	63.3	11.0	0.2	0.7	5.9	0.2	0.1		0.1	100	2009
27.9	19.7	25.3	64.1	10.6	0.2	0.7	6.3	0.2	0.1		0.0	100	2010
28.8	17.9	26.0	62.1	11.9	0.2	0.7	6.5	0.2	0.1		0.0	100	2011
28.3	18.6	24.9	63.8	11.4	0.2	0.7	6.2	0.2	0.1		0.0	100	2012
28.8	19.2	24.9	63.8	11.3	0.2	0.8	6.3	0.3	0.1		0.0	100	2013
30.6	17.5	25.7	61.7	12.6	0.2	0.8	6.7	0.3	0.1		0.0	100	2014
30.9	18.0	25.6	62.3	12.1	0.2	0.8	6.7	0.3	0.1		0.0	100	2015

Notes: (*) Excluding LULUCF (Land Use, Land – Use Change and Forestry) emissions and international maritime, including international aviation and indirect CO₂.
(**) Excluding international maritime (international traffic departing from the EU), including international aviation.

Indirect emissions from electricity use are not included in the CO₂ emissions from fuel combustion by Manufacturing and Construction, Transport and other sectors (Commercial/Institutional, Residential and Agriculture/Forestry/Fisheries).

3.2.11

CO₂ Emissions (*) 2015

BY SECTOR (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	3382.1	3355.7	1230.4	1059.3	117.7	53.4	477.0	102.2	9.1	65.0	24.6	38.0	238.1
BE	88.7	88.6	21.1	16.3	4.7	0.1	13.4	1.1	0.4	3.2	0.6	2.1	5.9
BG	44.4	44.4	30.2	28.8	1.4	0.0	2.8	0.1	0.1	0.3	0.1	0.3	1.8
CZ	92.9	92.7	53.3	46.6	0.8	5.9	9.8	1.9	0.1	1.6	0.4	1.0	4.7
DK	36.3	36.1	12.7	10.3	1.0	1.4	3.8	0.1		0.4	0.1	1.0	2.3
DE	768.6	766.1	330.0	301.7	18.2	10.2	126.0	38.6	0.1		0.0	0.2	87.1
EE	15.7	15.7	12.2	11.0		1.2	0.5		0.0	0.0	0.0	0.0	0.4
IE	38.5	38.5	11.6	11.2	0.4	0.1	4.5	0.0	1.4	0.3	0.0	0.9	1.9
EL	72.1	72.1	40.8	35.5	5.3	0.0	5.2	0.1	0.6	0.4	0.1	0.6	3.3
ES	265.5	261.7	85.7	73.4	11.8	0.6	40.1	5.7	1.3	7.2	3.8	4.0	18.2
FR	327.5	324.6	41.8	31.1	7.6	3.1	50.0	12.8	0.8	10.8	2.9	7.2	15.6
HR	16.3	16.0	4.8	3.1	1.4	0.2	2.2	0.1	0.0	0.3	0.1	0.4	1.4
IT	351.3	348.8	105.3	78.7	20.9	5.7	51.5	9.2	1.4	10.5	4.6	3.7	22.1
CY	6.7	6.7	3.0	3.0			0.5		0.0	0.0	0.0	0.1	0.5
LV	7.0	7.0	1.7	1.7		0.1	0.6	0.0	0.0	0.0	0.0	0.1	0.5
LT	10.7	10.7	3.1	1.6	1.4	0.1	1.2			0.3	0.0	0.2	0.6
LU	10.2	10.2	0.5	0.5			1.1	0.3	0.0	0.2	0.0	0.0	0.6
HU	42.2	42.0	13.8	12.0	1.4	0.4	4.3	0.2	0.2	0.4	0.2	0.7	2.7
MT	2.1	2.1	0.9	0.9			0.0						0.0
NL	169.3	167.2	67.9	55.6	9.8	2.5	24.0	3.7	0.2	11.7	0.9	3.6	4.0
AT	54.3	54.1	10.8	7.6	2.8	0.4	10.3	1.4	0.3	1.5	1.9	1.0	4.2
PL	292.7	289.2	162.7	153.7	5.4	3.6	27.8	5.2	1.2	6.0	1.6	3.8	10.0
PT	50.3	49.2	18.2	15.9	2.4		7.7	0.1		1.0	1.1	0.8	4.7
RO	69.5	68.5	29.6	27.0	1.5	1.1	12.4	1.4		2.3	0.2	0.8	7.7
SI	12.9	12.8	4.5	4.5		0.0	1.6	0.2	0.1	0.1	0.3	0.1	0.8
SK	25.6	25.5	7.6	4.8	1.4	1.3	6.7	2.9	0.1	0.5	0.5	0.3	2.4
FI	42.0	41.9	16.0	13.4	2.2	0.3	8.3	2.3	0.1	0.7	2.7	0.2	2.3
SE	40.0	39.2	8.7	6.1	2.6		7.4	1.6		1.0	0.6	0.4	3.8
UK	428.8	424.3	131.7	103.2	13.5	15.1	53.0	13.2	0.5	4.2	2.0	4.5	28.5
MK													
TR	341.4	341.2	135.8	128.4	6.2	1.1	57.4	3.2	1.2	6.1	1.0	4.4	41.5
IS	2.3	2.2	0.0	0.0			0.1	0.0	0.0			0.0	0.0
NO	39.5	36.9	15.3	1.7	0.9	12.8	3.7	0.1	0.1	1.3	0.1	0.3	1.8
CH	41.5	41.5	3.3	2.8	0.4		4.9	0.2	0.1	0.8	0.2	0.7	3.0

Note: (*) Excluding LULUCF (Land Use, Land – Use Change and Forestry) emissions and international maritime, including international aviation and indirect CO₂.

CO₂ Emissions (*) 2015

BY SECTOR (MILLION TONNES)

3.2.11

TRANSPORT (**)	OTHER SECTORS				OTHER (NOT ELSE-WHERE SPECIFIED)	FUGITIVE EMISSIONS FROM FUELS	INDUSTRIAL PROCESSES & PRODUCT USE	AGRICULTURE	WASTE	OTHER	INDIRECT CO ₂	TOTAL EMISSIONS	
10362	605.3	154.9	377.4	73.0	6.9	26.4	243.4	10.3	3.2		1.7	36406	EU-28
30.4	23.6	5.7	16.0	2.0	0.1	0.1	15.3	0.2	0.3			104.4	BE
9.8	1.5	0.3	0.7	0.5	0.1	0.0	4.4	0.1	0.0			48.8	BG
18.2	11.0	2.6	7.2	1.2	0.4	0.2	11.2	0.3	0.1		0.8	105.5	CZ
14.8	4.6	0.8	2.0	1.8	0.2	0.2	1.2	0.2	0.0		0.4	38.2	DK
183.4	125.7	34.5	85.4	5.8	1.0	2.6	44.7	3.1				816.4	DE
2.4	0.6	0.1	0.2	0.3	0.0	0.0	0.3	0.0	0.0			16.0	EE
14.2	8.1	1.7	5.9	0.5		0.0	2.0	0.4	0.0			40.9	IE
19.7	6.3	0.7	5.1	0.5	0.2	0.0	5.7	0.0	0.0			77.8	EL
97.1	38.5	11.0	16.2	11.3	0.3	3.7	20.4	0.5				286.3	ES
148.0	84.7	25.2	48.4	11.1		3.0	22.9	2.0	1.5			353.9	FR
6.2	2.7	0.6	1.5	0.6		0.3	1.9	0.1	0.0			18.3	HR
114.5	77.0	22.9	47.1	6.9	0.5	2.6	15.0	0.4	0.1			366.9	IT
2.6	0.5	0.1	0.4	0.1	0.0		0.9	0.0				7.6	CY
3.4	1.2	0.4	0.4	0.4	0.0	0.0	0.5	0.0	0.0		0.0	7.6	LV
5.3	1.1	0.3	0.6	0.2	0.0	0.0	2.6	0.1	0.0			13.4	LT
7.0	1.6	0.5	1.1	0.0	0.0	0.0	0.5	0.0				10.7	LU
12.6	11.3	3.1	6.9	1.4	0.0	0.1	4.8	0.2	0.2			47.3	HU
1.0	0.2	0.1	0.0	0.0	0.0		0.0		0.0			2.1	MT
42.2	32.9	7.5	16.3	9.0	0.2	2.1	7.1	0.1			0.2	176.7	NL
24.5	8.4	1.8	5.8	0.8	0.0	0.2	14.4	0.1	0.0			68.9	AT
47.9	50.8	7.9	33.6	9.3		3.5	18.5	0.8	0.5			312.5	PL
19.2	4.0	1.1	1.8	1.0	0.1	1.2	4.7	0.1	0.0		0.2	55.3	PT
16.9	9.2	2.0	6.2	1.0	0.4	0.9	9.8	0.1	0.0			79.4	RO
5.4	1.3	0.4	0.7	0.2	0.0	0.1	0.7	0.0	0.0			13.7	SI
6.8	4.4	1.5	2.7	0.3	0.0	0.0	8.3	0.1	0.0			34.0	SK
13.0	3.5	0.9	1.3	1.3	1.1	0.1	4.2	0.2			0.1	46.4	FI
20.1	2.7	0.7	0.7	1.3	0.2	0.8	5.3	0.1	0.1			45.5	SE
149.6	87.9	20.4	63.4	4.1	2.0	4.6	15.9	1.2	0.3			446.2	UK
													MK
85.3	62.7	23.1	30.8	8.8		0.2	52.3	0.8	0.0			394.5	TR
1.5	0.6	0.0	0.0	0.5		0.2	1.7	0.0	0.0			4.0	IS
14.5	3.1	1.1	0.5	1.5	0.2	2.6	6.6	0.1				46.2	NO
20.1	13.0	4.1	8.5	0.4	0.1	0.0	2.1	0.0	0.0	0.0	0.1	43.8	CH

Notes: (*) Excluding LULUCF (Land Use, Land – Use Change and Forestry) emissions and international maritime, including international aviation and indirect CO₂.
 (**) Excluding international maritime (international traffic departing from the EU), including international aviation.

3.2.11

CO₂ Emissions (*) 2015

BY SECTOR (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	36.7	86.1	9.6	4.3	14.2	21.4	1.9	13.6	5.2	8.0	49.9
BE	84.9	99.9	23.8	77.1	22.2	0.7	15.1	8.6	3.1	23.7	4.7	16.0	43.9
BG	90.9	100.0	68.1	95.5	4.5	0.0	6.4	4.1	5.2	12.3	3.9	9.2	65.3
CZ	88.1	99.8	57.5	87.4	1.6	11.1	10.6	19.6	1.1	16.3	4.4	10.3	48.3
DK	95.2	99.3	35.1	80.9	7.7	11.3	10.6	2.3		10.1	1.8	26.3	59.4
DE	94.2	99.7	43.1	91.4	5.5	3.1	16.4	30.6	0.1		0.0	0.2	69.1
EE	98.1	100.0	77.8	90.1		9.9	3.1		0.0	6.9	2.8	2.0	88.2
IE	94.1	100.0	30.2	96.3	3.1	0.6	11.8	0.1	32.0	6.3	0.4	19.5	41.8
EL	92.6	100.0	56.6	87.0	12.9	0.1	7.2	1.3	11.4	8.6	2.0	12.0	64.8
ES	92.7	98.6	32.8	85.6	13.8	0.6	15.3	14.2	3.2	17.9	9.5	9.9	45.3
FR	92.5	99.1	12.9	74.5	18.2	7.3	15.4	25.6	1.6	21.5	5.8	14.3	31.2
HR	89.1	98.0	29.9	66.0	29.1	4.9	13.9	2.3	0.5	13.2	3.2	15.8	65.0
IT	95.8	99.3	30.2	74.7	19.9	5.4	14.8	17.9	2.8	20.3	8.9	7.3	42.9
CY	88.2	100.0	45.0	100.0			8.1		0.5	1.2	0.6	13.7	84.0
LV	92.6	100.0	24.9	96.8		3.2	9.1	3.5	0.5	4.3	0.9	17.5	73.4
LT	79.7	100.0	29.1	53.2	44.1	2.7	11.0			26.2	1.9	20.4	51.6
LU	94.8	100.0	4.5	100.0			10.9	25.2	4.3	14.5	0.6	1.9	53.5
HU	89.1	99.7	32.9	86.8	10.4	2.8	10.2	4.0	3.8	9.0	3.6	16.7	62.9
MT	99.9	100.0	42.2	100.0			2.0						100.0
NL	95.8	98.7	40.6	81.9	14.4	3.7	14.4	15.5	0.6	48.8	3.7	14.9	16.5
AT	78.9	99.6	20.0	70.2	26.0	3.9	19.1	14.1	2.9	14.4	18.0	9.9	40.8
PL	93.7	98.8	56.3	94.5	3.3	2.2	9.6	18.6	4.4	21.6	5.7	13.7	36.0
PT	91.0	97.7	37.1	87.0	13.0		15.7	1.7		13.3	14.3	10.4	60.3
RO	87.5	98.7	43.2	91.2	5.2	3.6	18.1	11.5		18.7	1.3	6.8	61.8
SI	94.4	99.1	35.5	99.9		0.1	12.3	12.3	6.7	4.5	19.9	5.7	51.0
SK	75.3	99.9	29.7	63.9	19.1	17.0	26.2	42.8	2.0	7.0	7.1	4.9	36.2
FI	90.4	99.7	38.1	84.0	13.9	2.1	19.8	28.0	1.2	8.9	32.3	1.9	27.6
SE	87.9	98.0	22.2	70.3	29.7		19.0	21.3		14.0	8.1	5.0	51.7
UK	96.1	98.9	31.1	78.3	10.2	11.4	12.5	24.9	1.0	8.0	3.8	8.4	53.8
MK													
TR	86.5	100.0	39.8	94.6	4.6	0.8	16.8	5.6	2.1	10.7	1.7	7.6	72.3
IS	57.4	93.1	0.2	100.0			3.2	1.4	15.2			45.4	38.0
NO	85.5	93.4	41.6	10.9	5.9	83.2	10.2	1.9	3.4	35.1	1.8	9.0	48.8
CH	94.8	99.9	7.8	86.6	13.4		11.9	4.7	2.1	15.2	4.2	14.2	59.6

Note: (*) Excluding LULUCF (Land Use, Land – Use Change and Forestry) emissions and international maritime, including international aviation and indirect CO₂.

CO₂ Emissions (*) 2015 BY SECTOR (SHARES %)

3.2.11

TRANSPORT (**)	OTHER SECTORS				OTHER (NOT ELSE-WHERE SPECIFIED)	FUGITIVE EMISSIONS FROM FUELS	INDUSTRIAL PROCESSES & PRODUCT USE	AGRICULTURE	WASTE	OTHER	INDIRECT CO ₂	TOTAL EMISSIONS	
	Commercial / Institutional	Residential	Agriculture / Forestry / Fisheries										
30.9	18.0	25.6	62.3	12.1	0.2	0.8	6.7	0.3	0.1		0.0	100	EU-28
34.3	26.7	24.2	67.5	8.3	0.1	0.1	14.6	0.1	0.3			100	BE
22.1	3.4	19.3	49.7	31.1	0.1	0.0	9.0	0.1	0.0			100	BG
19.7	11.8	23.5	65.6	10.9	0.4	0.2	10.7	0.3	0.1		0.8	100	CZ
41.0	12.7	17.5	43.5	39.0	0.5	0.7	3.2	0.5	0.1		1.1	100	DK
23.9	16.4	27.5	67.9	4.6	0.1	0.3	5.5	0.4				100	DE
15.1	3.8	15.4	30.8	53.8	0.2	0.0	1.8	0.1	0.0			100	EE
36.9	21.1	21.2	72.2	6.5		0.0	4.8	1.0	0.1			100	IE
27.3	8.7	11.4	80.6	8.0	0.3	0.0	7.3	0.0	0.0			100	EL
37.1	14.7	28.7	42.0	29.3	0.1	1.4	7.1	0.2				100	ES
45.6	26.1	29.8	57.2	13.1		0.9	6.5	0.6	0.4			100	FR
39.1	17.0	21.5	55.2	23.3		2.0	10.5	0.4	0.0			100	HR
32.8	22.1	29.8	61.2	9.0	0.1	0.7	4.1	0.1	0.0			100	IT
38.4	8.1	19.5	65.2	15.2	0.3		11.8	0.0				100	CY
48.4	17.5	34.6	33.9	31.6	0.1	0.0	6.9	0.3	0.0		0.2	100	LV
49.6	10.0	26.1	55.6	18.3	0.3	0.0	19.8	0.5	0.0			100	LT
69.4	15.3	30.5	68.0	1.5	0.0	0.0	5.1	0.1				100	LU
29.9	26.9	27.3	60.8	11.9	0.0	0.3	10.1	0.4	0.4			100	HU
46.3	9.3	69.0	22.6	8.4	0.2		0.0		0.0			100	MT
25.2	19.7	22.8	49.7	27.5	0.1	1.3	4.0	0.0			0.1	100	NL
45.3	15.6	21.8	68.7	9.5	0.1	0.4	20.9	0.2	0.0			100	AT
16.6	17.6	15.5	66.1	18.3		1.2	5.9	0.2	0.2			100	PL
39.0	8.1	28.5	45.1	26.4	0.2	2.3	8.6	0.1	0.0		0.3	100	PT
24.6	13.5	21.7	67.3	11.0	0.6	1.3	12.4	0.1	0.0			100	RO
42.0	10.3	29.8	53.5	16.6	0.0	0.9	5.2	0.1	0.2			100	SI
26.5	17.4	33.5	60.8	5.7	0.2	0.1	24.5	0.2	0.0			100	SK
31.0	8.5	26.6	35.7	37.7	2.6	0.3	9.1	0.4			0.1	100	FI
51.4	6.9	24.9	26.2	48.9	0.5	2.0	11.7	0.3	0.1			100	SE
35.3	20.7	23.2	72.1	4.7	0.5	1.1	3.6	0.3	0.1			100	UK
													MK
25.0	18.4	36.9	49.1	14.0		0.0	13.3	0.2	0.0			100	TR
70.8	25.8	0.4	1.3	98.4		6.9	42.3	0.1	0.2			100	IS
39.2	8.4	35.2	15.8	49.0	0.6	6.5	14.3	0.2				100	NO
48.5	31.4	31.5	65.3	3.2	0.3	0.1	4.8	0.1	0.0	0.0	0.3	100	CH

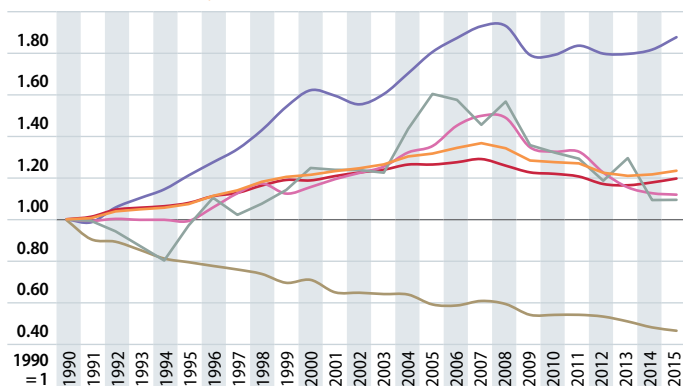
Notes: (*) Excluding LULUCF (Land Use, Land – Use Change and Forestry) emissions and international maritime, including international aviation and indirect CO₂.
(**) Excluding international maritime (international traffic departing from the EU), including international aviation.

3.2.12 CO₂ 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	82.7	14.0	68.6	710.3	13.3	133.6	24.5	109.1	5.3	945.1	4 639.5
1995	100.3	15.0	85.4	767.1	10.6	132.5	23.0	109.5	5.1	1 015.6	4 397.8
2000	134.5	19.7	114.8	845.8	9.4	154.6	21.4	133.2	6.6	1 150.9	4 413.4
2005	149.9	19.4	130.5	901.2	7.8	181.4	21.9	159.4	8.5	1 248.8	4 582.4
2006	155.5	19.4	136.1	909.2	7.8	194.7	22.2	172.4	8.4	1 275.5	4 607.0
2007	160.2	19.6	140.6	920.2	8.0	201.0	21.3	179.7	7.7	1 297.2	4 572.8
2008	160.4	19.1	141.3	897.1	7.8	199.7	20.6	179.1	8.3	1 273.4	4 473.3
2009	148.7	17.8	130.8	873.8	7.1	180.5	20.5	160.0	7.2	1 217.3	4 105.3
2010	148.7	17.6	131.1	868.7	7.1	177.6	20.5	157.2	7.0	1 209.2	4 220.9
2011	152.4	17.1	135.3	859.3	7.2	177.6	18.6	159.1	6.8	1 203.4	4 083.3
2012	149.2	16.4	132.8	833.2	7.0	164.0	17.6	146.4	6.3	1 159.8	4 010.9
2013	149.1	15.2	134.0	828.9	6.7	154.4	16.1	138.4	6.9	1 146.0	3 917.5
2014	150.8	14.8	136.0	838.8	6.3	150.6	15.5	135.1	5.8	1 152.3	3 741.4
2015	155.8	14.9	140.9	852.3	6.1	149.6	16.2	133.5	5.8	1 169.6	3 774.1

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



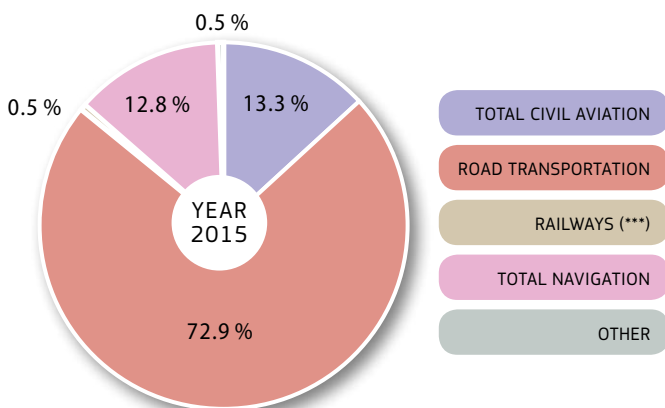
Notes: (*) Excluding International Bunkers (international traffic departing from the EU).
 (**) Including International Bunkers and Indirect CO₂ but excluding LULUCF.
 (***) Excluding indirect emissions from electricity consumption.
 (****) Combustion emissions from all remaining transport activities including pipeline transportation, ground activities in airports and harbours, and off-road activities.

CO₂ Emissions from Transport 3.2.12

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	17.0	83.0	75.2	1.4	14.1	18.4	81.6	0.6	20.4	100
1995	9.9	14.9	85.1	75.5	1.0	13.0	17.4	82.6	0.5	23.1	100
2000	11.7	14.6	85.4	73.5	0.8	13.4	13.8	86.2	0.6	26.1	100
2005	12.0	13.0	87.0	72.2	0.6	14.5	12.1	87.9	0.7	27.3	100
2006	12.2	12.5	87.5	71.3	0.6	15.3	11.4	88.6	0.7	27.7	100
2007	12.4	12.2	87.8	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	15.7	10.3	89.7	0.7	28.5	100
2009	12.2	12.0	88.0	71.8	0.6	14.8	11.4	88.6	0.6	29.7	100
2010	12.3	11.9	88.1	71.8	0.6	14.7	11.5	88.5	0.6	28.6	100
2011	12.7	11.2	88.8	71.4	0.6	14.8	10.5	89.5	0.6	29.5	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	72.3	0.6	13.5	10.4	89.6	0.6	29.3	100
2014	13.1	9.8	90.2	72.8	0.5	13.1	10.3	89.7	0.5	30.8	100
2015	13.3	9.6	90.4	72.9	0.5	12.8	10.8	89.2	0.5	31.0	100



Notes: (*) Excluding International Bunkers (international traffic departing from the EU).
 (**) Including International Bunkers and Indirect CO₂ 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.

3.2.13 CO₂ Emissions from Transport 2015 – 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	155.8	14.9	140.9	852.3	6.1	149.6	16.2	133.5	5.8	1169.6	3774.1
BE	4.2	0.0	4.2	25.5	0.1	18.5	0.4	18.1	0.2	48.4	122.5
BG	0.6	0.0	0.5	8.8	0.0	0.3	0.0	0.3	0.3	10.1	49.1
CZ	0.9	0.0	0.9	17.0	0.3	0.0	0.0		0.1	18.2	105.5
DK	2.8	0.1	2.6	11.4	0.2	2.7	0.4	2.3		17.1	40.5
DE	26.5	2.2	24.3	153.0	0.9	8.7	1.8	6.9	1.2	190.4	823.3
EE	0.1	0.0	0.1	2.2	0.1	0.9	0.0	0.9		3.3	16.8
IE	2.5	0.0	2.5	11.2	0.1	0.7	0.2	0.5	0.1	14.7	41.4
EL	3.3	0.4	2.9	14.6	0.1	7.5	1.7	5.8		25.5	83.6
ES	17.1	2.5	14.6	78.1	0.2	25.3	1.4	23.9	0.3	121.0	310.3
FR	21.9	4.6	17.3	124.1	0.4	6.9	1.3	5.6	0.4	153.7	359.5
HR	0.4	0.0	0.4	5.7	0.1	0.1	0.1	0.0		6.2	18.3
IT	11.7	2.1	9.7	98.3	0.1	9.4	3.9	5.6	0.6	120.1	372.4
CY	0.8	0.0	0.8	1.8		0.8	0.0	0.8		3.3	8.4
LV	0.3	0.0	0.3	2.9	0.2	0.8	0.0	0.8		4.2	8.4
LT	0.2	0.0	0.2	4.8	0.2	0.3	0.0	0.2	0.1	5.5	13.6
LU	1.4	0.0	1.4	5.6	0.0	0.0	0.0	0.0		7.0	10.7
HU	0.5	0.0	0.5	11.8	0.2	0.0	0.0		0.1	12.6	47.3
MT	0.4	0.0	0.3	0.6		5.1	0.0	5.1		6.1	7.2
NL	11.4	0.0	11.4	29.4	0.1	40.3	1.2	39.1	0.1	81.3	215.8
AT	2.2	0.0	2.1	21.6	0.1	0.1	0.0	0.1	0.6	24.6	68.9
PL	2.0	0.1	1.9	44.8	0.3	0.6	0.0	0.6	0.8	48.5	313.1
PT	3.5	0.4	3.1	15.4	0.0	2.4	0.3	2.1		21.3	57.4
RO	1.5	0.1	1.4	14.9	0.3	0.3	0.1	0.1	0.0	17.0	79.5
SI	0.1	0.0	0.1	5.3	0.0	0.2		0.2	0.0	5.6	13.9
SK	0.1	0.0	0.1	6.3	0.1	0.0	0.0	0.0	0.2	6.8	34.0
FI	2.1	0.2	2.0	10.3	0.1	1.3	0.4	0.9	0.0	13.9	47.3
SE	2.7	0.5	2.2	16.8	0.0	6.4	0.4	6.1	0.3	26.2	51.6
UK	34.7	1.6	33.1	110.2	1.9	9.9	2.4	7.5	0.5	157.1	453.7
MK											
TR	15.2	4.2	11.1	67.9	0.4	3.9	1.1	2.7	0.6	88.1	397.3
IS	0.7	0.0	0.7	0.8		0.3	0.0	0.3		1.8	4.3
NO	2.8	1.3	1.5	10.2	0.0	2.2	1.4	0.8		15.3	47.0
CH	5.0	0.1	4.9	14.9	0.0	0.1	0.1	0.0	0.0	20.1	43.8

Notes: (*) Excluding International Bunkers (international traffic departing from the EU).

(**) Including International Bunkers and Indirect CO₂ but excluding LULUCF.

CO₂ Emissions from Transport 3.2.13

2015 – 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	13.3	9.6	90.4	72.9	0.5	12.8	10.8	89.2	0.5	31.0	100
BE	8.6	0.2	99.8	52.7	0.1	38.1	2.2	97.8	0.4	39.5	100
BG	5.7	7.0	93.0	87.6	0.5	2.8	3.6	96.4	3.4	20.5	100
CZ	4.9	1.1	98.9	93.2	1.4	0.1	100.0		0.4	17.3	100
DK	16.1	4.6	95.4	66.8	1.4	15.7	13.9	86.1		42.3	100
DE	13.9	8.3	91.7	80.4	0.5	4.6	20.6	79.4	0.6	23.1	100
EE	2.3	1.7	98.3	67.4	1.8	28.4	4.3	95.7		19.3	100
IE	17.2	0.4	99.6	76.2	0.7	4.8	30.9	69.1	1.0	35.5	100
EL	12.8	12.0	88.0	57.2	0.5	29.5	23.1	76.9		30.4	100
ES	14.2	14.6	85.4	64.5	0.2	20.9	5.4	94.6	0.2	39.0	100
FR	14.2	20.8	79.2	80.7	0.3	4.5	18.7	81.3	0.3	42.7	100
HR	6.2	8.0	92.0	90.8	0.9	2.2	96.0	4.0		34.2	100
IT	9.8	17.5	82.5	81.9	0.1	7.9	40.9	59.1	0.5	32.2	100
CY	22.5	0.1	99.9	54.6		23.0	0.2	99.8		40.0	100
LV	7.8	0.5	99.5	67.9	4.9	19.4	1.2	98.8		50.1	100
LT	4.5	0.6	99.4	86.8	2.9	4.6	5.3	94.7	1.3	40.6	100
LU	19.9	0.0	100.0	80.0	0.1	0.0	90.1	9.9		65.8	100
HU	4.3	0.8	99.2	93.7	1.2	0.2	100.0		0.5	26.6	100
MT	5.8	1.1	98.9	9.4		84.8	1.0	99.0		84.3	100
NL	14.0	0.3	99.7	36.1	0.1	49.6	3.1	96.9	0.1	37.7	100
AT	8.9	2.3	97.7	88.0	0.5	0.3	17.2	82.8	2.4	35.6	100
PL	4.1	6.2	93.8	92.4	0.5	1.2	1.9	98.1	1.7	15.5	100
PT	16.5	10.4	89.6	72.2	0.1	11.1	11.3	88.7		37.0	100
RO	8.8	8.4	91.6	87.6	2.0	1.5	49.2	50.8	0.0	21.4	100
SI	1.4	2.6	97.4	94.2	0.7	3.7		100.0	0.1	40.2	100
SK	2.2	2.5	97.5	93.4	1.2	0.4	22.1	77.9	2.7	20.0	100
FI	15.5	8.7	91.3	74.4	0.5	9.6	31.3	68.7	0.0	29.4	100
SE	10.2	18.9	81.1	64.0	0.2	24.6	5.6	94.4	1.1	50.8	100
UK	22.1	4.6	95.4	70.1	1.2	6.3	23.9	76.1	0.3	34.6	100
MK											
TR	17.3	27.3	72.7	77.1	0.5	4.4	29.3	70.7	0.7	22.2	100
IS	37.6	2.9	97.1	44.2		18.2	7.9	92.1		42.2	100
NO	18.3	45.4	54.6	66.7	0.3	14.7	64.4	35.6		32.5	100
CH	25.0	2.7	97.3	73.9	0.1	0.7	82.2	17.8	0.2	46.0	100

Notes: (*) Excluding International Bunkers (international traffic departing from the EU).

(**) Including International Bunkers and Indirect CO₂ but excluding LULUCF.

(***) Total transport share in total emissions.

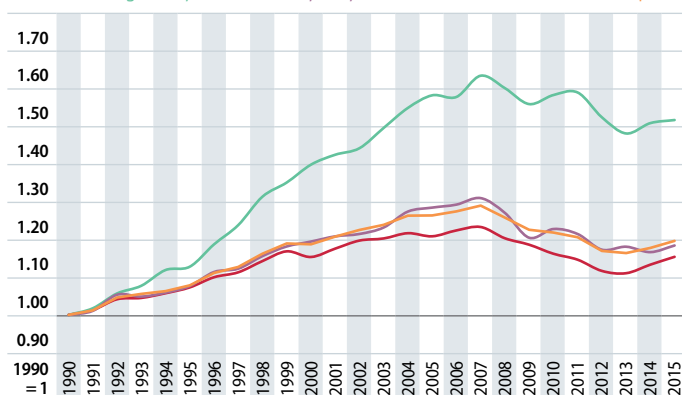
3.2.14

CO₂ Emissions from Road
Transport – EU-28

BY TRANSPORT MEAN (MILLION TONNES)

	ROAD TRANSPORTATION	Cars	Light duty trucks	Heavy duty trucks and buses	Motorcycles	Other Road Transportation	TOTAL TRANSPORT (*)	TOTAL EMISSIONS (**)
1990	710.3	449.8	66.3	185.1	8.8	0.3	945.1	4639.5
1995	767.1	483.3	74.9	199.5	9.4	0.1	1015.6	4397.8
2000	845.8	520.4	93.1	221.8	10.4	0.1	1150.9	4413.4
2005	901.2	545.6	105.5	238.8	11.0	0.4	1248.8	4582.4
2006	909.2	552.7	105.2	240.3	10.6	0.4	1275.5	4607.0
2007	920.2	556.9	109.0	243.5	10.4	0.4	1297.2	4572.8
2008	897.1	543.2	106.8	236.1	10.7	0.4	1273.4	4473.3
2009	873.8	535.3	103.9	223.7	10.4	0.4	1217.3	4105.3
2010	868.7	524.3	105.6	228.0	10.4	0.3	1209.2	4220.9
2011	859.3	517.0	106.0	225.5	10.4	0.3	1203.4	4083.3
2012	833.2	503.4	101.6	217.7	10.2	0.3	1159.8	4010.9
2013	828.9	500.6	98.7	219.2	10.1	0.3	1146.0	3917.5
2014	838.8	511.0	100.5	216.5	10.5	0.3	1152.3	3741.4
2015	852.3	520.5	101.1	219.8	10.6	0.2	1169.6	3774.1

Cars - Light duty trucks - Heavy duty trucks and buses - Total road transport



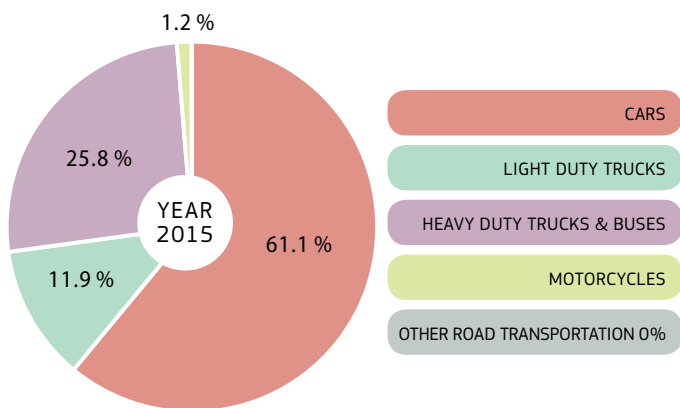
Notes: (*) Including International Bunkers (international traffic departing from the EU).
 (**) Including International Bunkers and Indirect CO₂ but excluding LULUCF.

CO₂ Emissions from Road Transport – EU-28

3.2.14

BY TRANSPORT MEAN (SHARES %)

	ROAD TRANSPORTATION	Cars	Light duty trucks	Heavy duty trucks and buses	Motorcycles	Other Road Transportation	TOTAL TRANSPORT (***)	TOTAL EMISSIONS (**)
1990	75.2	63.3	9.3	26.1	1.2	0.0	20.4	100.0
1995	75.5	63.0	9.8	26.0	1.2	0.0	23.1	100.0
2000	73.5	61.5	11.0	26.2	1.2	0.0	26.1	100.0
2005	72.2	60.5	11.7	26.5	1.2	0.0	27.3	100.0
2006	71.3	60.8	11.6	26.4	1.2	0.0	27.7	100.0
2007	70.9	60.5	11.8	26.5	1.1	0.0	28.4	100.0
2008	70.5	60.5	11.9	26.3	1.2	0.0	28.5	100.0
2009	71.8	61.3	11.9	25.6	1.2	0.0	29.7	100.0
2010	71.8	60.4	12.2	26.3	1.2	0.0	28.6	100.0
2011	71.4	60.2	12.3	26.2	1.2	0.0	29.5	100.0
2012	71.8	60.4	12.2	26.1	1.2	0.0	28.9	100.0
2013	72.3	60.4	11.9	26.4	1.2	0.0	29.3	100.0
2014	72.8	60.9	12.0	25.8	1.2	0.0	30.8	100.0
2015	72.9	61.1	11.9	25.8	1.2	0.0	31.0	100.0



Notes: (**) Including International Bunkers and Indirect CO₂ but excluding LULUCF.
 (***) Total transport share in total emissions.

3.2.15

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
2016		4	1	6 000
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	95 000
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

NOTES

NOTES

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NOTES

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