



STATISTICAL POCKETBOOK

2022



# 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 27 Member States (EU-27) and, as far as possible, the current EU candidate countries, the EFTA countries and UK. As in the reference period (1990-2020), UK was part of the European Union, aggregates for EU-28 are presented whenever possible for the period when UK was an EU Member State.

The content of this pocketbook is based on a range of sources including Eurostat, international organisations and associations, 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 interpreted as official data.

In particular, the Commission services would like to thank the following organizations and associations for their valuable contributions and to acknowledge that they agreed to the use of their data:

- **European Automobile Manufacturers' Association (ACEA)**
- **FlightGlobal**
- **International Road Federation (IRF)**
- **International Transport Forum (ITF)**
- **International Union of Railways (UIC)**
- **United Nation Economic Commission for Europe (UNECE).**

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 energy use and the environment.

Most of the tables have data up to 2020; where available, more recent data have been provided.

The tables of this pocketbook may also be found on the Europa site at:

**[https://ec.europa.eu/transport/media/media-corner/publications\\_en](https://ec.europa.eu/transport/media/media-corner/publications_en)**

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

Eurostat, the main data provider, can be accessed directly on the internet at:

**<https://ec.europa.eu/eurostat/data/database>**

EEA, the data provider for the environmental part, can be accessed directly on the internet at: **<https://www.eea.europa.eu/>**

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

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## SYMBOLS AND ABBREVIATIONS

<i>12</i>	<i>estimates are printed in italic</i>
%	per cent
-	not applicable, does not exist
<b>blank</b>	data not available
0	zero or figure less than half of unit used
EUR	euro
DG	Directorate-General of the European Commission
dwt	deadweight tonnage (shipping)
GDP	gross domestic product
gt	gross 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
TEU	twenty-foot equivalent unit
tkm	tonne-kilometre: a unit of measure: 1 tonne transported a distance of 1 kilometre
	break in horizontal time series
—	break in vertical time series

## COUNTRY ABBREVIATIONS

EUROPEAN UNION COUNTRIES (EU-27) (ALSO EEA MEMBERS)		
		EU MEMBER STATE SINCE:
BE	Belgium	1958
BG	Bulgaria	2007
CZ	Czech Republic	2004
DK	Denmark	1973
DE	Germany	1958
EE	Estonia	2004
IE	Ireland	1973
EL	Greece	1981
ES	Spain	1986
FR	France	1958
HR	Croatia	2013
IT	Italy	1958
CY	Cyprus	2004
LV	Latvia	2004
LT	Lithuania	2004
LU	Luxembourg	1958
HU	Hungary	2004
MT	Malta	2004
NL	Netherlands	1958
AT	Austria	1995
PL	Poland	2004
PT	Portugal	1986
RO	Romania	2007
SI	Slovenia	2004
SK	Slovak Republic	2004
FI	Finland	1995
SE	Sweden	1995
OTHER EUROPEAN ECONOMIC AREA (EEA) AND IN EUROPEAN FREE TRADE ASSOCIATION (EFTA)		
IS	Iceland	EEA: 1994 EFTA: 1960
LI	Liechtenstein	EEA: 1994 EFTA: 1991
NO	Norway	EEA: 1994 EFTA: 1960
OTHER EUROPEAN FREE TRADE ASSOCIATION (EFTA)		
CH	Switzerland	EFTA: 1960
EUROPEAN UNION CANDIDATE COUNTRIES		
ME	Montenegro	
MK	North Macedonia	
AL	Albania North Macedonia	
RS	Serbia	
TR	Turkey	
OTHER COUNTRIES		
CN	China	
CS	Czechoslovakia (until 1992)	
JP	Japan	
RU	Russia	
UK	United Kingdom (EU Member 01.01.1973-31.01.2020)	
US	United States	

**NB:** 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 become 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 DATA

99 875  
150 53,785  
42.5%

875

4381.4

30.5

111.0

78.9

43.1

357.1

45.2

70.3

32.0

306.0

70

6

3

64.6

68.3

4.6

95.0

87

5

3

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

8.5%

312.7

15.1

238.4

20.3

312.7

13.8

88.4

785.3

103.0

323.8

41.3

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**PART 1**  
**SUMMARY**

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## General data

1.1

	AREA	POPULATION	GDP (NOMINAL)	GDP PER HEAD IN PPS	
	1 000 km <sup>2</sup>	million	billion EUR	EU-27 = 100	
		on 1/1/2021	2020	2019	2020
<b>EU-27</b>	<b>4 225.1</b>	<b>447.2</b>	<b>13 403.1</b>	<b>100</b>	<b>100</b>
BE	30.7	11.6	456.7	118	119
BG	111.0	6.9	61.3	53	55
CZ	78.9	10.7	215.2	93	93
DK	42.9	5.8	312.5	127	135
DE	357.6	83.2	3 367.6	121	123
EE	45.3	1.3	26.8	82	84
IE	69.9	5.0	372.9	190	209
EL	131.7	10.7	165.3	66	62
ES	506.0	47.4	1 121.9	91	84
FR	638.5	67.7	2 302.9	106	104
HR	56.6	4.0	50.2	66	64
IT	302.1	59.2	1 657.0	96	94
CY	9.3	0.9	21.6	92	88
LV	64.6	1.9	29.5	69	70
LT	65.3	2.8	49.5	84	87
LU	2.6	0.6	64.2	254	263
HU	93.0	9.7	137.4	73	74
MT	0.3	0.5	13.1	103	96
NL	37.4	17.5	800.1	128	132
AT	83.9	8.9	379.3	126	124
PL	311.9	37.8	526.4	73	76
PT	92.2	10.3	200.1	79	76
RO	238.4	19.2	218.9	69	72
SI	20.3	2.1	46.9	88	89
SK	49.0	5.5	92.1	69	70
FI	338.4	5.5	238.0	109	114
SE	447.4	10.4	475.7	119	123
IS	102.7	5.4	18.9	126	119
NO	384.5	8.7	318.1	145	140
CH	41.3	5.4	659.7	156	160
ME	13.8	0.6	4.2	50	45
MK	25.4	2.1	10.6	38	37
AL	28.8	2.8	13.3	30	30
RS	88.4	6.9	46.8	41	43
TR	780.3	83.6	626.6	59	62

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

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

GDP data based on ESA (European System of National and Regional Accounts) 2010 methodology.

## 1.2 Growth in GDP and industrial production

	GROWTH IN GDP Real growth				GROWTH IN INDUSTRIAL PRODUCTION (excl. construction)			
	% change compared to previous year							
	2017	2018	2019	2020	2017	2018	2019	2020
<b>EU-27</b>	2.8	2.1	1.8	-5.9	3.3	1.2	-0.5	-7.4
<b>EU-28</b>	2.6	1.9	1.8		3.3	1.0	-0.8	
BE	1.6	1.8	2.1	-5.7	2.9	1.1	4.9	-3.8
BG	2.8	2.7	4.0	-4.4	4.0	0.4	0.5	-6.1
CZ	5.2	3.2	3.0	-5.8	6.7	3.1	-0.4	-7.2
DK	2.8	2.0	2.1	-2.1	2.3	2.4	2.7	-5.9
DE	2.7	1.1	1.1	-4.6	3.4	1.0	-4.3	-10.2
EE	5.8	4.1	4.1	-3.0	4.2	4.8	7.1	-2.8
IE	8.9	9.0	4.9	5.9	-2.6	-4.9	7.0	14.5
EL	1.1	1.7	1.8	-9.0	4.2	1.8	-0.7	-2.1
ES	3.0	2.3	2.1	-10.8	3.2	0.4	0.6	-9.8
FR	2.3	1.9	1.8	-7.9	2.3	0.7	0.5	-10.9
HR	3.4	2.9	3.5	-8.1	2.0	-1.0	0.5	-3.4
IT	1.7	0.9	0.5	-9.0	3.6	0.9	-1.0	-11.5
CY	5.9	5.7	5.3	-5.0	8.6	7.3	4.5	-7.3
LV	3.3	4.0	2.5	-3.8	8.7	2.0	0.8	-1.7
LT	4.3	4.0	4.6	-0.1	6.8	6.0	2.8	-1.7
LU	1.3	2.0	3.3	-1.8	3.8	-1.2	-3.1	-10.8
HU	4.3	5.4	4.6	-4.5	5.4	3.8	5.6	-7.1
MT	11.1	6.0	5.9	-8.3	8.7	1.5	1.1	-0.2
NL	2.9	2.4	2.0	-3.8	1.4	0.6	-0.9	-3.9
AT	2.3	2.5	1.5	-6.7	5.9	4.9	0.0	-5.9
PL	4.8	5.4	4.7	-2.2	6.9	5.8	4.3	-2.1
PT	3.5	2.8	2.7	-8.4	3.6	0.1	-2.2	-7.3
RO	7.3	4.5	4.2	-3.7	8.6	4.3	-3.2	-9.3
SI	4.8	4.4	3.3	-4.2	8.0	5.4	2.8	-6.4
SK	3.0	3.8	2.6	-4.4	3.3	4.3	0.5	-9.2
FI	3.2	1.1	1.2	-2.3	3.4	3.4	1.5	-3.2
SE	2.6	2.0	2.0	-2.9	4.8	2.6	2.4	-4.9
IS	4.2	4.9	2.4	-7.1	0.9	1.8	11.7	
NO	2.3	1.1	0.7	-0.7	2.0	1.2	-4.9	3.9
CH	1.6	2.9	1.2	-2.4	5.9	5.9	4.4	-3.9
ME	4.7	5.1	4.1	-15.3	-4.2	22.4	-6.2	-1.0
MK	1.1	2.9	3.9	-6.1	0.2	5.4	3.7	-9.5
AL	3.8	4.0	2.1	-3.5	8.6	11.8	-1.1	-6.3
RS	2.1	4.5	4.3	-0.9	4.2	1.3	0.4	-0.2
TR	7.5	3.0	0.9	1.8	9.0	1.3	-0.5	1.6
UK	1.7	1.3	1.4	-9.4	2.3	0.8	-1.1	

**NB:** Industrial production: includes NACE Rev. 2 Sections B-D. Data adjusted by working days. Growth GDP section: data calculated according to the ESA2010 methodology. AL, ME: national sources.

Growth industrial production section: data for the 27 member states, UK, NO, CH, ME, MK, RS and TR provided by Eurostat. IS estimated, based on data from Organisation for Economic Cooperation and development (OECD). AL data provided by UNECE.

# Employment and unemployment 1.3

	EMPLOYMENT RATE				UNEMPLOYMENT RATE			
	%							
	2017	2018	2019	2020	2017	2018	2019	2020
<b>EU-27</b>	66.7	67.7	68.4	67.5	8.3	7.4	6.8	7.2
<b>EU-28</b>	67.6	68.6	69.3		7.8	7.0	6.4	
BE	63.1	64.5	65.3	64.7	7.1	6.0	5.4	5.6
BG	66.9	67.7	70.1	68.5	6.2	5.3	4.3	5.2
CZ	73.6	74.8	75.1	74.4	2.9	2.3	2.1	2.6
DK	73.2	74.1	75.0	74.4	6.0	5.3	5.1	5.8
DE	75.2	75.9	76.7	75.4	3.8	3.5	3.2	3.9
EE	73.7	74.4	74.8	73.2	6.0	5.5	4.6	7.2
IE	67.7	68.6	69.5	67.7	6.9	5.9	5.1	5.8
EL	53.5	54.9	56.5	56.3	21.7	19.5	17.5	16.5
ES	61.1	62.4	63.3	60.9	17.3	15.4	14.2	15.6
FR	64.7	65.3	65.6	65.3	9.5	9.1	8.5	8.1
HR	58.9	60.6	62.1	62.0	11.3	8.5	6.7	7.6
IT	58.0	58.5	59.0	58.1	11.4	10.8	10.2	9.4
CY	65.6	68.6	70.5	69.9	11.3	8.6	7.3	7.8
LV	70.1	71.8	72.3	71.6	8.9	7.6	6.5	8.4
LT	70.4	72.4	73.0	71.6	7.3	6.3	6.5	8.8
LU	66.3	67.1	67.9	67.2	5.5	5.6	5.6	6.8
HU	68.2	69.2	70.1	69.7	4.2	3.7	3.5	4.3
MT	69.2	71.9	73.1	73.7	4.1	3.7	3.7	4.4
NL	75.8	77.2	78.2	77.8	4.9	3.8	3.4	3.9
AT	72.2	73.0	73.6	72.4	5.6	4.9	4.6	5.4
PL	66.1	67.4	68.2	68.7	5.0	3.9	3.3	3.2
PT	67.8	69.7	70.5	69.0	9.2	7.3	6.7	7.1
RO	63.9	64.8	65.8	65.6	5.1	4.3	4	5.2
SI	69.3	71.1	71.8	70.9	6.7	5.2	4.5	5
SK	66.2	67.6	68.4	67.5	8.2	6.6	5.8	6.8
FI	70.0	72.1	72.9	72.1	8.8	7.5	6.8	7.9
SE	76.9	77.4	77.1	75.5	6.9	6.5	7	8.5
IS	86.1	85.1	84.1	80.3	2.9	2.8	3.6	5.7
NO	74.0	74.8	75.3	74.7	4.3	3.9	3.8	4.5
CH	79.8	80.1	80.5	79.9	5.0	4.9	4.5	5
ME	53.1	54.7	56.0	50.3	16.4	15.5	15.4	18.3
MK	50.5	51.7	54.7	54.7	22.5	21.0	17.4	16.6
AL	57.4	59.5	61.2	60.6	14.1	12.8	12	12.2
RS	57.3	58.8	60.7	61.3	14.1	13.3	10.9	9.5
TR	51.5	52.0	50.3	47.5	11.1	11.1	14	13.4
UK	74.1	74.7	75.2		4.4	4.1	3.8	

**NB:** 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 (15-64 years).

## 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
	2020			2020		
<b>EU-27</b>	<b>1.8</b>	<b>25.1</b>	<b>73.1</b>	<b>4.5</b>	<b>22.5</b>	<b>72.9</b>
BE	0.7	21.7	77.6	1.2	17.4	81.4
BG	4.0	25.3	70.7	17.3	25.2	57.6
CZ	2.1	33.8	64.1	3.0	36.0	61.1
DK	1.5	24.3	74.2	2.4	17.2	80.4
DE	0.8	29.3	69.9	1.3	24.0	74.7
EE	2.5	25.9	71.6	3.0	28.5	68.5
IE	1.0	40.5	58.5	4.6	18.0	77.4
EL	4.8	17.1	78.1	10.5	13.4	76.1
ES	3.4	22.3	74.2	3.6	17.6	78.8
FR	1.8	18.4	79.8	2.6	16.9	80.5
HR	3.8	25.3	70.9	6.2	28.8	65.0
IT	2.2	23.9	73.9	3.7	23.3	73.0
CY	2.2	14.2	83.6	3.4	18.2	78.4
LV	4.6	22.3	73.1	7.5	23.4	69.1
LT	3.6	27.8	68.6	5.7	25.6	68.7
LU	0.2	12.3	87.5	0.8	18.6	80.6
HU	4.0	29.1	66.9	4.1	28.3	67.7
MT	0.5	14.8	84.7	1.0	16.5	82.5
NL	1.8	19.9	78.3	2.1	14.5	83.4
AT	1.2	28.4	70.4	3.4	22.9	73.7
PL	2.8	31.5	65.7	9.5	31.1	59.4
PT	2.4	22.2	75.4	7.9	23.4	68.7
RO	4.4	29.7	66.0	21.4	29.6	49.0
SI	2.4	33.2	64.4	6.9	30.1	63.0
SK	2.0	30.6	67.5	2.9	31.1	66.0
FI	2.8	27.8	69.4	3.4	22.1	74.5
SE	1.6	23.8	74.6	2.1	20.0	77.9
IS	4.8	21.8	73.4	3.6	19.4	77.0
NO	2.0	29.5	68.4	2.3	20.0	77.7
CH	0.7	26.0	73.3	2.6	20.7	76.7
ME	9.1	20.9	70.0	7.5	18.4	74.1
MK	9.8	26.0	64.2	12.0	30.9	57.1
AL	22.0	22.8	55.2	36.4	20.1	43.4
RS	7.6	30.0	62.4	14.6	28.0	57.5
TR	7.5	31.5	61.0	17.6	26.2	56.2

**NB:** 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.

ME, MK, RS, TR: data on employment: Eurostat [lfsa\_egan2]; AL: 2019 data (UNECE).

## Population

1.5

AT 1 JANUARY									
	million								%
	1995	2000	2005	2010	2015	2019	2020	2021	change '20/'21
<b>EU-27</b>	425.220	428.474	434.416	440.660	443.667	446.446	447.320	447.219	0.0
<b>EU-28</b>	483.163	487.259	494.598	503.171	508.520	513.094	514.345		
BE	10.131	10.239	10.446	10.840	11.237	11.456	11.522	11.566	0.4
BG	8.427	8.191	7.689	7.422	7.202	7.000	6.951	6.917	-0.5
CZ	10.333	10.278	10.199	10.462	10.538	10.650	10.694	10.702	0.1
DK	5.216	5.330	5.411	5.535	5.660	5.806	5.823	5.840	0.3
DE	81.539	82.163	82.501	81.802	81.198	83.019	83.167	83.155	0.0
EE	1.448	1.401	1.359	1.333	1.315	1.325	1.329	1.330	0.1
IE	3.598	3.778	4.112	4.549	4.678	4.904	4.964	5.006	0.8
EL	10.536	10.776	10.970	11.119	10.858	10.725	10.719	10.679	-0.4
ES	39.343	40.470	43.296	46.487	46.450	46.937	47.333	47.399	0.1
FR	59.315	60.545	62.773	64.659	66.458	67.178	67.320	67.657	0.5
HR	4.659	4.498	4.311	4.303	4.225	4.076	4.058	4.036	-0.5
IT	56.844	56.924	57.875	59.190	60.796	59.817	59.641	59.236	-0.7
CY	0.645	0.690	0.733	0.819	0.847	0.876	0.888	0.896	0.9
LV	2.501	2.382	2.250	2.121	1.986	1.920	1.908	1.893	-0.8
LT	3.643	3.512	3.355	3.142	2.921	2.794	2.794	2.796	0.1
LU	0.406	0.434	0.461	0.502	0.563	0.614	0.626	0.635	1.4
HU	10.337	10.222	10.098	10.014	9.856	9.773	9.770	9.731	-0.4
MT	0.369	0.389	0.403	0.414	0.440	0.494	0.515	0.516	0.3
NL	15.424	15.864	16.306	16.575	16.901	17.282	17.408	17.475	0.4
AT	7.943	8.002	8.201	8.352	8.585	8.859	8.901	8.933	0.4
PL	38.581	38.263	38.174	38.023	38.006	37.973	37.958	37.840	-0.3
PT	10.009	10.249	10.495	10.573	10.375	10.277	10.296	10.298	0.0
RO	22.712	22.455	21.382	20.295	19.871	19.414	19.329	19.202	-0.7
SI	1.989	1.988	1.998	2.047	2.063	2.081	2.096	2.109	0.6
SK	5.356	5.399	5.373	5.390	5.421	5.450	5.458	5.460	0.0
FI	5.099	5.171	5.237	5.351	5.472	5.518	5.525	5.534	0.2
SE	8.816	8.861	9.011	9.341	9.747	10.230	10.328	10.379	0.5
IS	0.267	0.279	0.294	0.318	0.329	0.357	0.364	0.369	1.3
LI	0.031	0.032	0.035	0.036	0.037	0.038	0.039	0.039	0.8
NO	4.348	4.478	4.606	4.858	5.166	5.328	5.368	5.391	0.4
CH	7.019	7.164	7.415	7.786	8.238	8.545	8.606	8.670	0.7
ME	0.633	0.603	0.613	0.619	0.622	0.622	0.622	0.621	-0.2
MK	1.957	2.022	2.035	2.053	2.069	2.077	2.076	2.069	-0.4
AL	3.249	3.058	3.135		2.886	2.862	2.846	2.830	-0.6
RS	7.625	7.528	7.456	7.307	7.114	6.964	6.927	6.872	-0.8
TR	61.204	66.889	68.010	72.561	77.696	82.004	83.155	83.614	0.6
UK	57.943	58.785	60.182	62.510	64.853	66.647	67.026		

**NB:** CY: from 1975 onwards: government-controlled area only.  
FR: as from 1991, it includes the four French overseas departments and  
as from 2015 it includes Mayotte.

## 1.6a Member States external trade of goods

### IMPORTS

YEAR 2020 (VALUE = billion EUR)

EU-27	IMPORTS FROM:									
	WORLD	EU-27	EXTRA-EU-27	OF WHICH:						
				CANDIDATE 5	EFTA	CHINA	UNITED STATES	UNITED KINGDOM	RUSSIA	JAPAN
EU-27	4509.189	2791.930	1717.259	79.538	154.981	385.145	203.017	169.011	94.742	54.956
BE	347.960	213.000	134.960	4.849	10.833	18.244	24.326	14.055	5.823	9.585
BG	30.649	18.704	11.944	3.044	0.270	1.563	0.395	0.390	1.879	0.152
CZ	149.565	109.031	40.533	1.669	1.081	16.808	3.098	2.969	1.898	1.328
DK	85.684	58.984	26.700	0.969	4.623	6.726	2.603	3.045	1.002	0.349
DE	1025.491	647.041	378.449	17.281	47.838	82.090	50.725	38.187	19.188	15.479
EE	15.157	11.394	3.762	0.103	0.269	0.748	0.212	0.294	1.261	0.055
IE	87.201	33.046	54.155	0.444	3.950	4.294	11.855	23.715	0.279	0.912
EL	48.912	27.936	20.977	2.118	0.528	3.743	0.977	1.038	2.934	0.145
ES	285.215	161.813	123.403	6.606	6.016	25.174	11.763	10.555	2.585	2.240
FR	508.499	336.276	172.223	7.139	16.016	35.986	24.508	19.572	5.384	4.935
HR	23.478	18.094	5.384	1.081	0.192	1.079	0.176	0.270	0.256	0.031
IT	373.428	217.887	155.542	9.809	10.931	32.256	14.782	8.845	9.050	3.644
CY	7.658	4.427	3.230	0.101	0.099	0.445	0.058	0.645	0.035	0.085
LV	16.103	12.256	3.847	0.109	0.162	0.635	0.153	0.485	0.995	0.022
LT	29.154	20.619	8.535	0.226	0.470	1.179	0.484	0.768	2.570	0.068
LU	18.504	16.465	2.039	0.035	0.142	0.286	0.542	0.251	0.024	0.338
HU	101.416	71.612	29.804	2.672	0.581	9.125	1.686	1.515	2.504	1.140
MT	4.589	2.630	1.959	0.129	0.037	0.363	0.104	0.383	0.012	0.050
NL	520.764	217.083	303.680	4.719	20.293	91.733	39.648	22.184	13.332	9.420
AT	150.935	116.066	34.869	2.184	8.397	5.738	3.086	2.419	1.469	1.026
PL	228.652	154.883	73.768	3.046	2.030	23.279	4.094	5.407	9.970	1.911
PT	68.146	50.888	17.258	0.760	0.474	3.067	1.237	1.930	0.513	0.292
RO	80.482	59.230	21.251	4.354	1.018	5.059	0.889	1.404	1.811	0.297
SI	36.914	21.667	15.246	3.475	3.948	2.151	0.247	0.331	0.423	0.188
SK	73.700	59.207	14.493	0.837	0.382	2.772	0.464	1.258	2.457	0.103
FI	59.757	42.797	16.960	0.423	1.621	2.499	1.141	1.529	5.840	0.284
SE	131.179	88.893	42.287	1.356	12.781	8.104	3.767	5.565	1.250	0.874

NB: Candidate 5: Montenegro, North Macedonia, Albania, Serbia and Turkey.  
EFTA: Iceland, Liechtenstein, Norway, Switzerland.



# Member States external trade of goods 1.6b

## EXPORTS

YEAR 2020 (VALUE = billion EUR)

	EXPORTS TO:									
	WORLD	EU-27	EXTRA-EU-27	OF WHICH:						
				CANDIDATE 5	EFTA	UNITED STATES	UNITED KINGDOM	CHINA	RUSSIA	JAPAN
<b>EU-27</b>	4788.485	2855.426	1933.060	92.671	194.707	353.192	278.309	202.810	78.994	55.208
BE	369.673	238.990	130.683	5.502	6.720	25.966	28.264	8.530	3.868	3.181
BG	27.967	18.328	9.639	2.800	0.229	0.565	0.667	0.924	0.423	0.051
CZ	167.597	133.626	33.972	2.746	3.334	3.876	6.792	2.206	3.705	0.788
DK	95.015	49.115	45.900	1.053	7.127	10.421	4.858	5.579	0.912	2.058
DE	1209.208	636.038	573.170	26.352	65.595	103.766	67.075	96.392	23.180	17.661
EE	14.292	9.465	4.827	0.136	0.597	1.123	0.340	0.244	0.800	0.094
IE	157.828	63.948	93.881	0.771	3.554	47.858	14.576	10.305	0.373	3.433
EL	30.786	17.689	13.096	2.735	0.218	1.137	1.189	0.855	0.161	0.355
ES	269.521	165.140	104.381	4.700	6.489	12.236	17.613	8.181	1.872	2.541
FR	427.236	228.832	198.404	7.085	16.256	32.773	27.285	17.504	5.171	5.701
HR	15.023	10.116	4.907	1.282	0.279	0.456	0.258	0.086	0.176	0.041
IT	436.718	224.793	211.925	10.928	26.960	42.433	22.569	12.851	7.076	7.118
CY	2.697	0.914	1.783	0.011	0.031	0.077	0.178	0.087	0.047	0.001
LV	14.266	8.822	5.445	0.178	0.367	0.250	0.768	0.166	1.846	0.053
LT	28.689	16.058	12.631	0.377	1.030	1.257	1.212	0.316	3.834	0.082
LU	12.113	9.736	2.378	0.179	0.216	0.276	0.414	0.200	0.116	0.073
HU	105.428	82.653	22.775	3.855	1.187	2.835	3.293	1.516	1.603	0.432
MT	2.344	1.167	1.177	0.023	0.019	0.115	0.045	0.041	0.004	0.126
NL	590.233	388.401	201.832	7.071	14.701	26.370	44.832	15.632	6.659	4.917
AT	148.288	101.818	46.470	2.183	8.524	9.079	4.171	4.019	2.160	1.535
PL	239.214	177.077	62.137	3.209	5.028	6.711	13.669	2.974	7.134	0.645
PT	53.757	38.370	15.387	0.611	0.833	2.670	3.062	0.567	0.177	0.243
RO	61.776	45.771	16.004	3.037	1.051	1.048	2.073	0.646	0.818	0.443
SI	39.247	26.432	12.815	2.284	4.150	0.610	0.531	0.452	0.865	0.091
SK	75.586	59.731	15.856	1.147	1.352	2.799	3.314	2.037	1.183	0.137
FI	57.874	31.380	26.494	0.850	2.640	4.979	2.251	3.069	3.053	1.214
SE	136.108	71.017	65.091	1.564	16.223	11.505	7.010	7.429	1.776	2.193

NB: Candidate 5: Montenegro, North Macedonia, Albania, Serbia and Turkey.  
EFTA: Iceland, Liechtenstein, Norway, Switzerland.

## 1.7 Comparison EU-27 – World

## DATA FOR 2020

	EU-27	UNITED STATES	JAPAN	CHINA	RUSSIA
<b>Population</b> million	447.3	331.5	125.8	1410.9	144.1
<b>Population growth</b> % change since previous year	0.1	1.0	-0.3	0.2	-0.2
<b>Urban population</b> % of total	75	83	92	61	75
<b>Area</b> 1 000 km <sup>2</sup>	4 225	9 832	378	9 600	17 098
<b>Population density</b> Persons/km <sup>2</sup>	106	36	345	150	9
<b>GDP (nominal)</b> billion EUR	13 403	18 345	4 428	12 890	1 299
<b>Real GDP growth</b> %	-5.9	-3.4	-4.6	2.3	-3.0
<b>Relative GDP</b> <b>per capita</b> in PPS (EU-27 = 100)	100	141	95	38	67
<b>Exports of goods</b> billion EUR	1 933	1 251	553	2 186	292
<b>Imports of goods</b> billion EUR	1 717	4 133	528	1 735	210

**NB:** EU-27: area, population: including French overseas departments.  
EU-27: trade: only extra-EU trade.

PART 2

# TRANSPORT



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## PART 2

### SUMMARY

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## Statistical overview – EU transport 2.1.1

### Gross Value Added:

With around EUR 555 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-27 in 2020 <sup>(1)</sup>. It should be noted, however, that this figure only includes the GVA of companies whose main activity is the provision of transport (and transport-related) services and that own account transport operations are not included.

### Employment:

In 2020, the transport and storage services sector (including postal and courier activities) in the EU-27 employed around 10 million persons <sup>(2)</sup>, some 5.2% of the total workforce <sup>(3)</sup>. Around 53% of them worked in land transport (road, rail and pipelines), 3% in water transport (sea and inland waterways), 4% in air transport and 26% in warehousing and supporting and transport activities (such as cargo handling, storage and warehousing) and the remaining 14% in postal and courier activities. 22% of the employed persons in the transport sector were women.

### Household expenditure:

In 2020, private households in the EU-27 spent EUR 783 billion or roughly 11.6% of their total consumption on transport-related items. Around 31.5% of this sum (around EUR 246 billion) was used to purchase vehicles, 56% (EUR 439 billion) was spent on the operation of personal transport equipment (e.g. to buy fuel for the car) and the rest (EUR 97 billion) was spent for transport services (e.g. bus, train, plane tickets).

### Goods transport:

In 2020, the total goods transport activities in the EU-27 are estimated to amount to 3272 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 53% of this total, rail for 11.5%, inland waterways for 4% and oil pipelines for 2.8%. Intra-EU maritime transport was the second most important mode with a share of 28.2% while intra-EU air transport only accounted for 0.1% of the total.

### Passenger transport:

In 2020, total passenger transport activities in the EU-27 by any motorized means of transport are estimated to amount to 4446 billion pkm or on average around 10000 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 80.6% of this total, powered two-wheelers for 2.3%, buses & coaches for 6.6%, railways for 5% and tram and metro for 1.2%. Intra-EU air and intra-EU maritime transport contributed for 4% and 0.2% respectively.

- NB:** <sup>(1)</sup> The transport share amounts of 4.6% of total GVA if postal and courier activities are not included. Estimations based on Eurostat National Account (2018 data).  
<sup>(2)</sup> Figures on number of persons employed in transport, total workforce and shares per mode based on Eurostat Labour Force Survey (age 15-64 years).  
<sup>(3)</sup> 4.6% of total employment if postal and courier activities are not included.

## 2.1.1 Statistical overview – EU transport

### Safety:

**Road:** 18 834 persons were killed in road accidents (fatalities within 30 days) in 2020, 17.2% less than in 2019 (when 22 756 people lost their lives). In comparison with 2001, the number of road fatalities was lower by about two thirds (-63.3%).

**Rail:** 10 passengers lost their lives in 2020; this figure does not include casualties among railway employees or other people run over by trains.

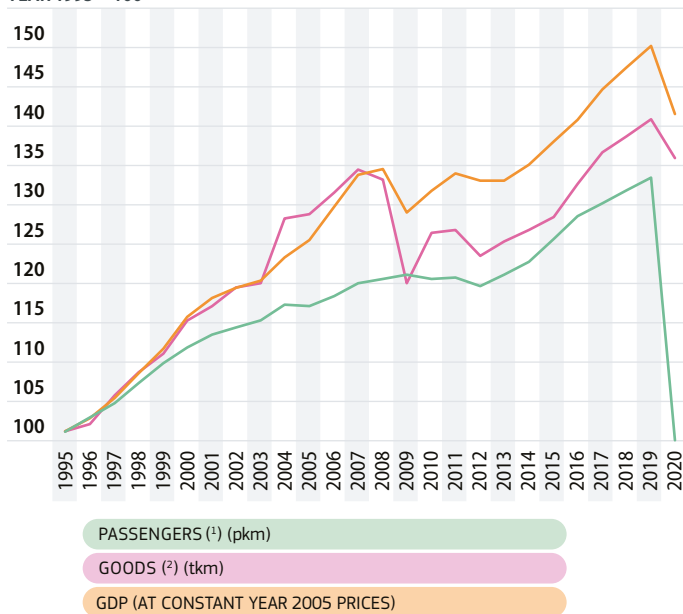
**Air:** No life was lost in 2021.

## Transport growth – EU-27

2.1.2

## PASSENGERS, GOODS, GDP 1995–2020

YEAR 1995 = 100



- NB:** (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-27

	1995–2020 p.a.	2000–2020 p.a.	2019–2020
GDP at year 2005 prices and exchange rates	1.4%	1.0%	-5.9%
Passenger transport (pkm)	0.0%	-0.6%	-26.1%
Freight transport (tkm)	1.2%	0.9%	-3.6%

## 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	0.5
CZ	50	90 / 110	130	0.0
DK	50	80	130	0.5
DE	50	100	(130)	0.5
EE	50	90	90	0.2
IE	50	80 / 100	120	0.5
EL	50	90	110 / 130	0.5
ES	50	80 / 90	90 / 120	0.5
FR	50	80 / 90	110 / 130	0.5
HR	50	90	130	0.5
IT	50	90	130	0.5
CY	30 / 50	80	100	0.5
LV	50	90	-	0.5
LT	50	70 / 90	110 / 130	0.4
LU	50	90	130	0.5
HU	50	90	110 / 130	0.0
MT	40 / 50	60 / 80	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
IS	50	80 / 90	-	0.5
NO	50	80	100	0.2
CH	50	80 / 100	100 / 120	0.5
ME	50	80 / 100	130	0.3
MK	50	80 / 100	120	0.5
AL	40	80 / 90	110	0.1
RS	60	80 / 100	120	0.5
TR	50	90 / 110	120	0.5

**NB:** Situation as of 1 June 2022, the date of accessing the source: Going abroad - European Commission (europa.eu).

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).

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 130km/h (more than half the network has a speed limit of 120km/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 <sup>(1)</sup>	10	12	19	26	39	44	44
BG	10	11.5	18	26 <sup>(2)</sup>	36	40	40
CZ	10	11.5	18	26 <sup>(2)</sup>	32	48	48
DK <sup>(3)</sup>	10	11.5	18	24/26	38	44/50/56	44/50/56
DE	10	11.5	18/19	26/27	36	40/44	40/44
EE	10	11.5	18	26 <sup>(2)</sup>	35/36	40/44	40/44
IE	10	10.5/11.5	18	26	36	42 <sup>(2)</sup>	40/44/46
EL	7/10	13	19	26	33/38/40	40/42	40/42/44
ES	10	11.5	18	25/26	36/38	40	40/42/44
FR	12/13	12/13	19	26	32/38	40/44	40/44
HR	10	11.5	18	25/26	36	40	40/44
IT	12	12	18	26 <sup>(2)</sup>	40	44	44
CY	10	11.5	18	25	36	40	40/44
LV	10	11.5	18	25/26	36	40	40/42/44
LT	10	11.5	18	25/26/27	36	40/42	40/44
LU	10	11.5/12	19	26	44	44	44
HU	10 <sup>(4)</sup>	11.5 <sup>(4)</sup>	18/20	25/26	36/38	40	40/42/44
MT	10	11.5	18	25	36	40	40/44
NL <sup>(3)</sup>	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 <sup>(2)</sup>	36	40	40
PT <sup>(3)</sup>	10 <sup>(4)</sup>	12	19	26	37/38	44 <sup>(4)</sup>	44/60
RO	10	11.5	18	25/26	36	40	40/42/44
SI	10	11.5	18	25/26	36	40	40/44
SK	10	11.5	18	26 <sup>(2)</sup>	40	40	40
FI <sup>(5)</sup>	10	11.5	18	28 <sup>(2)</sup>	36	44 <sup>(6)</sup>	44 <sup>(6)</sup>
SE	10	11.5	18	25/28	38	40 <sup>(7)</sup>	44
IS	10	11.5	18	26 <sup>(2)</sup>	36	40	44
LI	10	11.5	18	26 <sup>(2)</sup>	36	40	40
NO <sup>(3)</sup>	10	11.5	19	26 <sup>(4)</sup>	39	46 - 50	46 - 50
CH	10	11.5	18	26 <sup>(2)</sup>	36	40	40
ME	10	11.5	18	26 <sup>(2)</sup>	36	40	40/44
MK	10	11.5	18	25	35/36	40	40
AL	10	10/11.5	18	24/26 <sup>(2)</sup>	36	40	44
RS	10	11.5	18 <sup>(4)</sup>	25/26 <sup>(4)</sup>	36/38	40	40/42/44
TR	10	11.5	18	25/26	32/36/38	40	40/44

**NB:** 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. The permissible maximum weight varies according to different conditions: distance between the axles, number of driven axles, type of suspension, single or double mounted tyres, the vehicle is performing national or international traffic, performing combined transport operations, type of road, type of fuel or type of goods. For a more complete country overview please consult the International Transport Forum website.

- (1) Differences between regions. For a complete overview please consult the International Transport Forum website.
- (2) Only for air suspension or similar, twin tyres or ABS (Anti-lock Braking System)
- (3) Under specific conditions EMS (European Modular System) combinations may have a maximum length of 25.25 m and maximum mass of 60 t.
- (4) Increased values are applicable for certain type of transport.
- (5) For vehicles registered in an EEA member country.
- (6) Five-axle: 44 t; six-axle: 56 t; seven-axle: 60 t; eight-axle: 64-68 t (restrictions for ADR), 69-76 t (not for ADR).
- (7) 74 t on some roads.

## 2.1.5

## Employment by mode of transport (\*) 2019 – in 1000

	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-27	10449.0	3289.6	1947.5	582.1	26.6	46.5	177.1	309.5	2464.4	1605.7
BE	221.4	63.5	21.3	31.4	1.0	0.7	1.0	8.1	57.0	37.5
BG	174.0	74.3	30.3	10.7	0.5	0.8	0.6	2.4	34.5	19.9
CZ	295.3	131.1	41.6	27.1	0.2	0.6	0.0	2.8	54.1	37.7
DK	147.8	31.4	26.8	5.5	0.8	0.3	16.6	5.2	31.1	30.3
DE	2367.9	455.9	474.6	48.6	3.1	11.7	20.1	65.6	731.7	556.7
EE	41.1	16.8	3.5	0.8	0.0	0.6	2.5	0.5	12.8	3.7
IE	108.6	24.7	30.1	3.9	0.4	0.2	2.9	8.5	19.1	18.8
EL	182.9	37.2	58.3	0.8	0.29	0.3	19.8	4.2	46.5	15.5
ES	947.2	349.3	199.0	16.0	1.0	0.6	7.6	34.2	241.5	98.1
FR	1405.8	388.5	273.2	208.5	1.7	4.3	14.1	67.4	206.1	242.1
HR	92.6	25.9	20.1	4.1	0.7	0.1	5.2	1.1	24.4	11.0
IT	1143.3	352.6	164.7	45.3	2.2	3.4	51.5	21.6	357.7	144.3
CY	20.4	2.2	3.6	0.0	0.0	0.0	0.3	0.2	12.0	2.0
LV	79.1	26.6	12.5	10.8	0.5	0.2	0.9	2.0	20.3	5.3
LT	153.3	93.9	18.1	9.4	0.1	0.2	1.0	1.1	22.4	7.1
LU	23.1	7.9	4.5	1.1	0.0	0.5	0.1	3.7	3.8	1.6
HU	261.1	83.9	55.1	18.4	0.6	0.9	0.0	1.4	64.7	36.0
MT	14.2	1.3	4.1	0.0	0.0	0.0	0.6	2.2	4.8	1.1
NL	433.9	131.5	60.0	18.1	0.1	13.5	7.8	27.0	107.8	68.3
AT	216.0	63.2	57.2	19.3	0.6	0.6	0.0	9.1	40.3	25.6
PL	937.6	480.6	137.8	53.2	6.0	1.0	2.1	7.5	146.9	102.4
PT	188.1	75.9	42.1	0.5	0.3	0.9	1.3	13.7	35.2	18.2
RO	394.4	162.3	80.4	26.1	5.8	2.0	0.3	4.9	70.0	42.5
SI	55.0	29.3	5.9	1.3	0.3	0.1	0.2	0.7	10.3	7.0
SK	120.5	52.7	16.4	7.0	0.3	0.4	0.0	0.5	26.4	16.8
FI	143.2	44.7	27.5	5.9	0.2	0.3	9.1	6.6	27.9	21.0
SE	281.5	82.5	78.7	8.3	0.0	2.6	11.6	7.3	55.2	35.3

**NB:** (\*) 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 (\*) 2019

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-27	1 251 019	555 305	416 944	857	194	9 626	9 594	5 210	142 585	110 705
BE	21 218	9 155	4 383	30	45	408	161	373	3 724	2 939
BG	23 145	13 781	5 665	11	1	28	55	72	2 570	962
CZ	41 571	31 939	4 473	43	2	92	2	48	4 675	297
DK	11 472	4 890	3 442	16	6	20	245	82	1 475	1 296
DE	105 903	37 747	31 022	197	37	958	547	607	19 763	15 025
EE	5 963	3 355	776	6	0	7	35	23	1 585	176
IE	24 851	4 704	15 195	10	4	3	205	107	1 906	2 717
EL	59 997	16 417	34 492	8	12	38	2 402	60	5 449	1 119
ES	204 434	103 033	63 988	17	9	80	573	147	15 218	21 370
FR	145 696	33 377	69 303	29	29	914	864	660	7 654	32 866
HR	13 635	5 881	4 879	9	2	30	1 221	16	1 497	100
IT	117 529	61 353	29 769	21	9	1 160	731	183	21 696	2 607
CY	3 173	777	1 249	0	0	0	69	4	830	244
LV	7 693	3 344	1 214	11	2	20	61	28	2 297	716
LT	20 929	6 486	9 475	6	1	31	14	101	2 646	2 169
LU	1 018	407	256	1	0	24	2	29	221	78
HU	32 995	15 538	9 837	34	4	124	7	87	4 746	2 618
MT	2 043	374	1 122	0	0	0	122	30	346	49
NL	52 476	14 513	12 919	64	11	4 343	792	413	10 252	9 169
AT	14 421	6 480	5 624	30	3	90	0	158	1 382	654
PL	174 666	101 614	49 453	138	9	406	251	1 254	16 251	5 290
PT	31 331	8 027	17 543	5	1	53	276	102	2 494	2 830
RO	54 651	32 695	16 106	93	2	194	61	91	3 332	2 077
SI	8 804	5 787	1 058	9	2	51	47	130	1 294	426
SK	22 872	10 749	5 883	16	2	50	6	64	4 268	1 834
FI	19 790	8 745	8 088	10	1	77	249	76	1 983	561
SE	28 743	14 137	9 730	43	0	425	596	265	3 031	516

NB: (\*) 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 (\*)

### 2019 – 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-27	1437385	361109	132249	74584	16272	9155	122743	126368	480000	114906
BE	51123	12616	1445	3834	749	245	2825	5033	19477	4900
BG	8734	4430	531	186	140	41	45	461	2453	448
CZ	26151	9687	1766	1275	605	50	3.5	1218	10067	1481
DK	60597	6413	3411	1474	10	37	32435	2550	12210	2057
DE	338909	47437	38826	13096	4328	2212	35860	22226	127225	47699
EE	5627	1496	176	80	0	22	550	163	2806	334
IE	24601	2963	2654	321	40	0	975	10770	4614	2263
EL	15051	2658	1501	197	461	16	2305	1436	5548	929
ES	122381	36213	10607	2824	1564	29	2370	12983	50244	5547
FR	224469	52739	25823	26090	789	1151	20962	21921	59611	15383
HR	5347	1835	533	164	100	4	419	249	1739	305
IT	165675	50282	12914	8974	3736	491	11753	9967	57313	10246
CY	3384	195	156	0	0	0	44	68	2839	83
LV	5766	1556	215	270	217	1	164	641	2511	191
LT	12181	6772	366	464	67	6	154	357	3816	181
LU	6474	1509	386	73	0	71	24	1032	3229	150
HU	19559	6249	1867	494	316	95	12	2943	6549	1034
MT	2783	117	159	0	0	0	165	1487	800	55
NL	95486	24999	4349	3157	183	3815	6006	11403	35050	6523
AT	44767	9801	5083	4390	512	133	0	3621	17866	3362
PL	67512	38251	4557	2807	1081	65	450	3534	13329	3439
PT	23097	6325	1602	122	60	48	568	4973	8293	1106
RO	21052	11044	1742	984	476	123	87	875	4578	1143
SI	6598	3252	297	245	40	3	33	194	2168	367
SK	10465	4228	376	756	770	79	0.2	171	3323	761
FI	23622	6496	2288	719	30	19	2034	3386	6751	1899
SE	45974	11547	8618	1588	0	401	2500	2708	15592	3021

NB: (\*) 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 – 2020

	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				%	EUR
<b>EU-27</b>	<b>782 341</b>	<b>246 175</b>	<b>438 831</b>	<b>97 336</b>	<b>11.6</b>	<b>1 750</b>
BE	22 223	6 693	13 988	1 541	10.2	1 930
BG	4 234	585	2 541	1 107	11.7	610
CZ	8 819	3 871	4 260	688	9.1	810
DK	15 804	6 452	8 157	1 196	11.3	2 790
DE	214 933	83 528	102 049	29 356	13.1	2 580
EE	1 246	254	817	175	9.6	940
IE	10 302	3 833	4 030	2 439	11.3	2 070
EL	12 028	4 008	4 664	3 356	10.4	1 120
ES	64 577	18 052	39 085	7 440	10.4	1 360
FR	139 150	36 485	86 490	16 175	11.7	2 040
HR	2 479	516	1 486	477	7.5	610
IT	103 495	29 697	62 302	11 497	10.8	1 740
CY	1 687	553	1 002	132	12.5	1 890
LV	1 731	363	1 122	246	10.5	910
LT	4 023	911	2 888	224	13.9	1 440
LU	2 483	720	1 654	109	12.5	3 930
HU	7 545	2 183	4 735	627	11.3	770
MT	628	175	359	94	10.7	1 220
NL	36 711	10 589	22 195	3 927	11.0	2 100
AT	20 448	5 958	11 403	3 088	10.9	2 290
PL	34 969	9 461	23 265	2 243	11.9	910
PT	15 569	5 585	7 755	2 229	12.0	1 510
RO	14 747	3 740	7 310	3 698	11.3	770
SI	3 353	1 032	2 194	128	14.2	1 590
SK	2 792	739	1 561	492	5.3	510
FI	12 138	3 556	6 984	1 598	10.4	2 190
SE	24 253	7 145	13 063	4 046	12.0	2 340

NB: BE, DE, EL, FR, HR, CY, HU, NL, PT, RO provisional data.

## 2.1.9 EU-27 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
2021	108.8	110.9	107.8	107.7	109.1
2020	105.8	103.8	104.6	104.5	105.0
2019	105.0	106.1	103.4	103.4	104.0
2018	103.6	104.9	102.2	102.1	103.3
2017	101.7	101.5	101.3	101.2	102.6
2016	100.2	98.5	100.7	100.6	101.5
2015	100.0	100.0	100.0	100.0	100.0
2010	93.0	93.6	97.2	97.3	95.7
2005	83.5	83.1	95.9	96.2	92.4

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
2021	113.6	104.1	114.9	115.2	110.8
2020	103.3	101.9	98.0	111.8	107.0
2019	107.7	101.0	108.6	108.8	105.5
2018	106.6	100.5	108.6	105.6	104.1
2017	101.3	100.2	100.1	103.3	102.4
2016	97.2	99.9	93.7	101.4	101.1
2015	100.0	100.0	100.0	100.0	100.0
2010	93.7	95.0	96.7	89.2	92.8
2005	79.8	87.5	81.8	74.6	82.6

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
2021	105.9	103.3	107.3	106.0	108.9	108.4	108.6
2020	104.3	101.6	105.9	102.5	106.0	107.2	106.8
2019	105.7	105.0	104.7	107.0	104.5	106.0	105.1
2018	104.0	103.4	103.4	105.0	103.3	104.4	102.5
2017	102.6	102.7	102.3	102.6	104.9	102.8	100.6
2016	100.0	100.5	101.0	97.4	100.2	101.2	100.1
2015	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2010	87.2	88.8	87.8	88.0	81.8	84.3	96.1
2005	74.3	73.1	72.5	81.0	68.8	70.5	88.3

## EU-27 External trade by mode of transport – 2020

### PARTNER: EXTRA-EU-27

	VALUE (BILLION EUR)					
	EXPORT		IMPORT		EXPORT + IMPORT	
Sea	793.3	41.2 %	857.8	49.7 %	1 651.1	45.2 %
Road	509.0	26.4 %	358.2	20.7 %	867.3	23.7 %
Rail	34.2	1.8 %	34.0	2.0 %	68.2	1.9 %
Inland waterway	3.4	0.2 %	3.9	0.2 %	7.3	0.2 %
Pipeline	4.4	0.2 %	51.2	3.0 %	55.6	1.5 %
Air	495.2	25.7 %	357.6	20.7 %	852.8	23.3 %
Selfpropulsion	47.4	2.5 %	18.1	1.0 %	65.5	1.8 %
Post	3.5	0.2 %	5.3	0.3 %	8.8	0.2 %
Unknown	35.1	1.8 %	41.2	2.4 %	76.3	2.1 %
<b>TOTAL</b>	<b>1 925.5</b>	<b>100.0 %</b>	<b>1 727.4</b>	<b>100.0 %</b>	<b>3 652.8</b>	<b>100.0 %</b>

	WEIGHT (MILLION TONNES)					
	EXPORT		IMPORT		EXPORT + IMPORT	
Sea	526.0	73.5 %	1 084.4	70.9 %	1 610.3	71.7 %
Road	129.8	18.2 %	104.4	6.8 %	234.2	10.4 %
Rail	17.4	2.4 %	66.5	4.3 %	83.9	3.7 %
Inland waterway	9.4	1.3 %	11.8	0.8 %	21.2	0.9 %
Pipeline	7.5	1.0 %	242.9	15.9 %	250.4	11.2 %
Air	8.7	1.2 %	3.7	0.2 %	12.5	0.6 %
Selfpropulsion	0.5	0.1 %	1.6	0.1 %	2.0	0.1 %
Post	0.1	0.0 %	0.1	0.0 %	0.2	0.0 %
Unknown	15.8	2.2 %	14.4	0.9 %	30.1	1.3 %
<b>TOTAL</b>	<b>715.2</b>	<b>100.0 %</b>	<b>1 529.7</b>	<b>100.0 %</b>	<b>2 244.9</b>	<b>100.0 %</b>

NB: The trade type with UK is unknown for reporting countries DK, HR, SE.

## 2.1.11 Environmental taxes &amp; transport

## ENERGY TAXES AS % OF GDP

## (TRANSPORT FUEL TAXES) (\*)

	%								RANKING IN 2020 (EU-27)
	2005	2010	2015	2016	2017	2018	2019	2020	
EU-27		1.3	1.3	1.3	1.3	1.2	1.2	1.1	
EU-28		1.3	1.3	1.3	1.3	1.2	1.2		
BE	1.3	1.2	1.1	1.2	1.2	1.2	1.2	1.0	21
BG		2.4	2.4	2.1	2.1	1.8	1.9	1.8	3
CZ	2.2	1.9	1.7	1.7	1.6	1.6	1.5	1.4	11
DK	1.2	1.0	0.9	0.9	0.6	0.7	0.6	0.6	26
DE	1.5	1.4	1.2	1.2	1.1	1.1	1.1	1.0	20
EE	1.8	2.1	2.0	2.2	2.2	2.0	2.3	1.5	7
IE	1.2	1.3	0.9	0.9	0.8	0.7	0.7	0.5	27
EL	1.1	1.4	1.3	1.4	1.5	1.6	1.4	1.3	13
ES	1.3	1.1	1.1	1.1	1.1	1.1	1.1	1.0	19
FR	1.3	1.2	1.2	1.2	1.3	1.3	1.3	1.2	17
HR	2.2	1.8	2.2	2.3	2.2	2.2	2.0	2.3	1
IT	1.5	1.4	1.6	1.5	1.5	1.5	1.5	1.3	12
CY	1.5	1.6	2.0	2.0	1.9	1.8	1.5	1.5	9
LV	2.1	2.0	1.7	1.8	1.8	1.8	1.8	1.9	2
LT	1.7	1.7	1.6	1.7	1.7	1.7	1.7	1.7	6
LU	2.8	2.1	1.6	1.5	1.5	1.5	1.6	1.2	15
HU	1.8	1.8	1.7	1.7	1.6	1.6	1.5	1.4	10
MT	1.2	1.2	1.0	1.0	1.1	1.0	1.0	0.8	24
NL	1.2	1.2	1.1	1.1	1.1	1.1	1.0	0.9	22
AT	1.3	1.2	1.2	1.2	1.2	1.1	1.1	0.9	23
PL	1.9	1.9	2.0	2.1	2.0	2.0	1.9	1.8	4
PT	1.9	1.6	1.5	1.6	1.6	1.6	1.5	1.5	8
RO		1.5	1.7	1.7	1.4	1.4	1.4	1.2	16
SI	2.1	2.5	2.6	2.6	2.4	2.3	2.1	1.8	5
SK	2.1	1.5	1.3	1.4	1.4	1.4	1.3	1.2	14
FI	1.4	1.3	1.2	1.2	1.2	1.2	1.1	1.1	18
SE	1.3	1.1	0.9	1.0	0.9	0.9	0.7	0.7	25
IS									
NO	0.8	0.8	0.7	0.6	0.6	0.6	0.6	0.6	
CH									
ME									
MK									
AL									
RS									
TR									
UK	1.5	1.6	1.3	1.3	1.3	1.2	1.2		

NB: (\*) Transport fuel taxes include those taxes which are levied on the transport use of fuels/energy products.

EU totals are weighted averages.



## Environmental taxes &amp; transport 2.1.12

## ENVIRONMENTAL TAXES AS % OF GDP

(TRANSPORT EXCL. FUEL) (\*)

	%										RANKING IN 2020 (EU-27)
	1995	2000	2005	2010	2015	2016	2017	2018	2019	2020	
EU-27			0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	
EU-28			0.5	0.5	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	0.7	0.6	0.7	8
BG	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	16
CZ	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	24
DK	2.1	1.8	2.1	1.4	1.5	1.5	1.5	1.5	1.4	1.3	1
DE	0.4	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	18
EE	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	27
IE	1.3	1.4	1.2	0.9	0.7	0.7	0.7	0.6	0.6	0.5	12
EL	0.7	0.8	0.9	0.7	0.8	0.8	0.8	0.8	0.8	0.8	5
ES	0.4	0.4	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.2	20
FR	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	19
HR			1.1	0.8	0.8	0.8	0.9	0.8	0.8	0.7	7
IT	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	10
CY	2.3	2.0	1.4	0.9	0.6	0.6	0.6	0.6	0.5	0.5	11
LV	0.0	0.3	0.3	0.3	0.5	0.5	0.4	0.4	0.4	0.4	15
LT	0.7	0.7	0.5	0.0	0.1	0.1	0.1	0.1	0.1	0.1	26
LU	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	25
HU	0.2	0.4	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.3	17
MT	2.3	2.2	1.7	1.3	1.1	1.1	1.0	1.0	1.0	0.9	2
NL	1.3	1.4	1.2	1.1	1.0	1.0	1.0	1.0	1.0	0.9	3
AT	0.7	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	4
PL	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	22
PT	0.9	1.1	0.9	0.6	0.6	0.7	0.7	0.7	0.7	0.6	9
RO	0.0	0.1	0.1	0.3	0.3	0.2	0.1	0.1	0.1	0.1	23
SI	1.0	0.4	0.5	0.4	0.5	0.4	0.4	0.4	0.5	0.5	13
SK	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	21
FI	0.8	1.1	1.1	0.9	0.9	1.0	1.0	1.0	0.9	0.8	6
SE	0.3	0.3	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	14
IS	1.1	1.7	1.6	0.6	0.6	0.7	0.7	0.7	0.5	0.5	
NO	1.4	1.2	1.4	1.2	1.0	1.0	0.9	0.8	0.7	0.6	
CH											
ME											
MK											
AL											
RS											
TR											
UK	0.6	0.6	0.4	0.6	0.6	0.6	0.5	0.5			

NB: (\*) 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 &amp; transport

AS % OF TOTAL TAXATION

(FUEL &amp; OTHER TAXES) (\*)

	%								RANKING IN 2020 (EU-27)
	2005	2010	2015	2016	2017	2018	2019	2020	
EU-27		4.7	4.4	4.4	4.3	4.3	4.1	3.8	
EU-28		4.9	4.6	4.5	4.4	4.4	4.3		
BE	4.8	4.4	4.0	4.2	4.1	4.2	4.1	3.8	22
BG		10.3	9.3	8.2	7.9	7.2	7.1	6.8	3
CZ	6.8	6.2	5.3	5.3	4.9	4.7	4.5	4.1	20
DK	6.9	5.5	5.2	5.3	4.7	5.0	4.4	4.1	21
DE	5.2	4.6	3.9	3.8	3.6	3.5	3.4	3.2	25
EE	6.3	6.4	6.3	6.9	6.8	6.2	7.0	4.5	16
IE	7.8	8.0	6.9	6.7	6.2	5.8	5.6	5.0	12
EL	6.1	6.5	5.7	5.7	5.9	6.0	5.7	5.5	9
ES	4.8	4.4	4.0	4.1	4.0	3.8	3.8	3.4	24
FR	3.8	3.4	3.1	3.2	3.3	3.4	3.4	3.1	26
HR	8.9	7.5	8.3	8.3	8.3	7.8	7.4	8.1	1
IT	5.4	4.6	5.0	5.1	5.1	5.0	4.9	4.4	17
CY	9.2	7.9	8.0	8.1	7.7	7.2	5.9	5.7	8
LV	8.6	8.2	7.3	7.5	7.1	7.2	7.0	7.3	2
LT	7.4	6.2	6.0	6.1	6.1	6.1	5.8	6.0	4
LU	7.7	6.2	4.9	4.5	4.3	4.2	4.3	3.5	23
HU	6.3	6.1	5.2	5.3	5.2	5.1	4.9	4.8	13
MT	9.0	7.9	6.9	6.7	7.0	6.8	6.7	5.9	6
NL	6.8	6.6	5.8	5.5	5.5	5.5	5.2	4.7	14
AT	5.2	4.9	4.7	4.8	4.9	4.6	4.6	4.2	18
PL	6.7	6.8	6.7	6.9	6.6	6.4	6.1	5.4	10
PT	9.0	7.4	6.2	6.8	6.8	6.5	6.4	5.8	7
RO		6.9	7.0	7.4	6.2	6.0	5.9	5.2	11
SI	6.8	7.6	8.0	8.0	7.7	7.2	7.0	5.9	5
SK	7.2	6.0	4.9	5.0	4.9	4.8	4.6	4.2	19
FI	5.9	5.4	4.8	5.0	5.0	5.0	4.6	4.6	15
SE	3.6	3.7	3.3	3.2	3.1	3.0	2.8	2.7	27
IS									
NO	5.2	4.6	4.2	4.2	3.9	3.6	3.3	3.1	
CH									
ME									
MK									
AL									
RS									
TR									
UK	6.0	6.4	5.8	5.6	5.3	5.2	5.2		

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

## Comparison EU-27 – World

### INFRASTRUCTURE AND VEHICLES

2.1.14

TRANSPORT INFRASTRUCTURE					
	EU-27	UNITED STATES	JAPAN	CHINA	RUSSIA
1 000 km	2020	2020	2019	2020	2019
Road network (paved)	4 467.0	4 577	1 012	4 945	1 189
Motorway network	74.5	92.8 <sup>(1)</sup>	9.2 <sup>(2)</sup>	161.0	57.0 <sup>(3)</sup>
Railway network	200.1	196.6 <sup>(4)</sup>	18.9	146.3	85.5
Electrified rail lines	113.3		11.7	100.4	44.0
Navigable inland waterways	42.3	40.2		127.7	102.0
Oil pipelines	31.6	369.0		134.1 <sup>(5)</sup>	70.0

VEHICLE STOCK						
	EU-27	UNITED STATES	JAPAN	CHINA	RUSSIA	
	2020	2020	2020	2020	2019	
Passenger cars stock	million	250.4	253 <sup>(6)</sup>	61.9 <sup>(7)</sup>	156.4	48.4
Motorisation	cars / 1 000 persons	560	764	492	111	335
Commercial freight vehicles	million	35.5	13.48	14.40 <sup>(8)</sup>	30.43	6.54

TRANSPORT SAFETY						
	EU-27	UNITED STATES	JAPAN	CHINA	RUSSIA	
	2020	2020	2020	2019	2020	
Road fatalities	number	18 834	38 824	3 416	62 763	16 152
	per million inhabitants	42	117	27	45	112

- NB:** <sup>(1)</sup> Divided highways with four or more lanes (rural or urban interstate, freeways, expressways, arterial and collector) with full access control by the authorities.  
<sup>(2)</sup> Japan: national expressways.  
<sup>(3)</sup> Russia: roads of federal importance.  
<sup>(4)</sup> United States: a sum of partly overlapping networks.  
<sup>(5)</sup> China: both oil and gas pipelines.  
<sup>(6)</sup> United States: light duty vehicles, short wheel and long wheel base.  
<sup>(7)</sup> Japan: ordinary, small and light four-wheeled vehicles.  
<sup>(8)</sup> Japan: including 8.2 million light motor vehicles.

## 2.1.15 Comparison EU-27 – World

### PASSENGER AND FREIGHT TRANSPORT

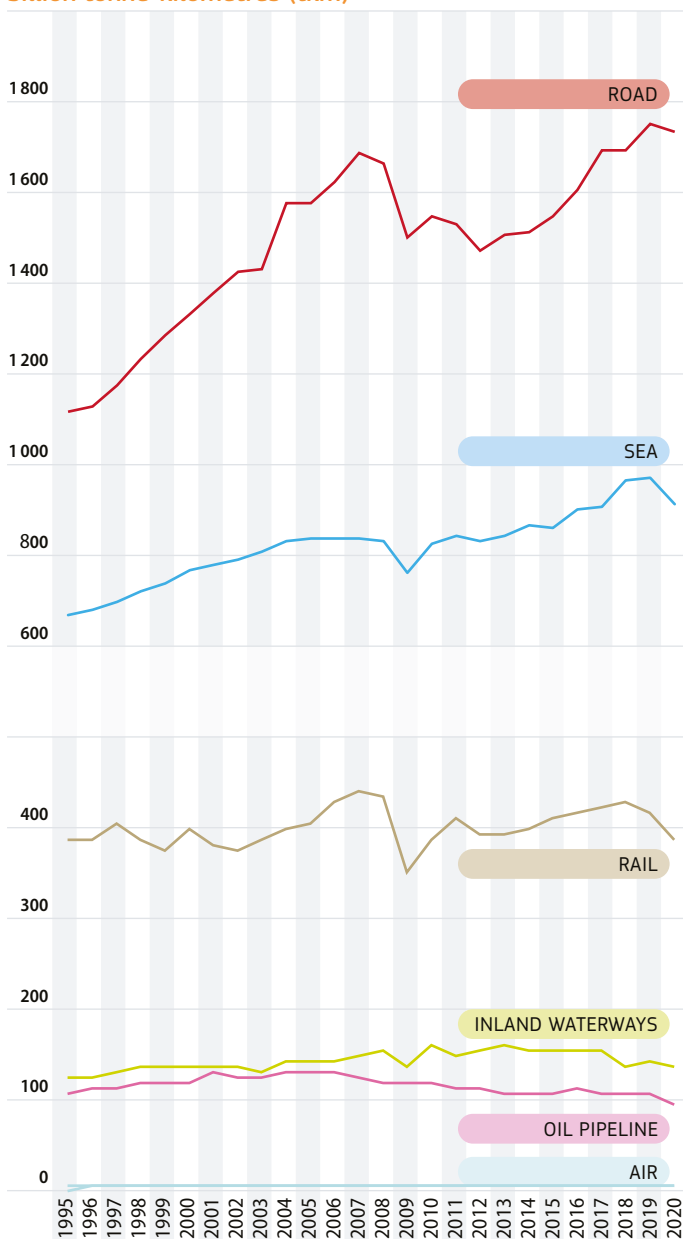
PASSENGER TRANSPORT					
	EU-27	UNITED STATES	JAPAN	CHINA	RUSSIA
billion pkm	2020	2020	2019	2020	2020
Passenger car	3 583.0	6 927.1 <sup>(1)</sup>	5.5	464.1 <sup>(2)</sup>	
Bus + trolley bus + coach	293.6	515.3	60.1		130.5
Railway	227.3	20.0	435.1	826.6	78.6
Tram + metro	53.9	12.6	<sup>(3)</sup>		51.2
Waterborne	10.3	0.7	3.2 <sup>(4)</sup>	3.3	0.7
Air (domestic/intra-EU-27)	177.9	1 214.2	94.5	631.1	323.0

FREIGHT TRANSPORT					
	EU-27	UNITED STATES	JAPAN	CHINA	RUSSIA
billion tkm	2020	2020	2019	2020	2020
Road	1 745.0	3 543.0	213.8	6 017.2	258.5
Rail	377.3	2 012.1 <sup>(5)</sup>	20.0	3 051.4	2 545.3
Inland waterways	131.7	409.7			64.3
Oil pipeline	91.7	1 352.4		545.0 <sup>(6)</sup>	1 249.3
Sea (domestic/intra-EU-27)	924.3	230.2 <sup>(7)</sup>	169.7	10 583.4 <sup>(8)</sup>	24.2 <sup>(9)</sup>

- NB:** <sup>(1)</sup> United States: including light trucks/vans.  
<sup>(2)</sup> China: passenger-kilometers of highways including buses and coaches.  
<sup>(3)</sup> Japan: included in railway pkm.  
<sup>(4)</sup> Japan: 2017 value.  
<sup>(5)</sup> United States: Class I rail.  
<sup>(6)</sup> China: oil and gas pipelines.  
<sup>(7)</sup> United States: refers to coastal shipping.  
<sup>(8)</sup> China: both coastwise and inland waterway transport.  
<sup>(9)</sup> Coastal shipping.

## EU-27 Performance for freight transport 1995-2020 - BY MODE 2.2.1

billion tonne-kilometres (tkm)



## 2.2.2

# EU-27 Performance BY MODE

## FREIGHT TRANSPORT

	billion tkm						
	ROAD	RAIL	INLAND WATERWAYS	PIPELINES	SEA	AIR	TOTAL
1995	1 127.2	374.8	121.9	103.8	676.5	1.4	2 406
2000	1 343.9	387.9	133.7	115.7	775.7	1.7	2 759
2005	1 588.2	394.6	138.6	126.8	844.5	1.8	3 094
2010	1 558.3	375.0	155.4	111.0	834.1	1.8	3 036
2011	1 541.6	401.1	141.8	108.3	850.1	1.9	3 045
2012	1 481.7	385.2	149.8	105.0	838.4	1.8	2 962
2013	1 516.4	384.3	152.6	102.1	851.0	1.8	3 008
2014	1 527.4	388.9	150.7	101.1	875.1	2.1	3 045
2015	1 562.0	398.5	147.4	104.1	870.8	2.1	3 085
2016	1 619.7	407.5	146.6	104.7	909.3	2.1	3 190
2017	1 707.3	411.3	147.2	104.0	917.0	2.2	3 289
2018	1 707.5	418.3	131.3	104.1	977.0	2.2	3 340
2019	1 764.8	407.9	139.7	101.0	979.1	2.3	3 395
2020	1 745.0	377.3	131.7	91.7	924.3	2.1	3 272
1995–2020 per year	54.8 %	0.7 %	8.1 %	-11.6 %	36.6 %	45.4 %	36.0 %
	1.8 %	0.0 %	0.3 %	-0.5 %	1.3 %	1.5 %	1.2 %
2000–2020 per year	29.8 %	-2.7 %	-1.5 %	-20.7 %	19.2 %	18.7 %	18.6 %
	1.3 %	-0.1 %	-0.1 %	-1.2 %	0.9 %	0.9 %	0.9 %
2018–2020	-1.1 %	-7.5 %	-5.7 %	-9.2 %	-5.6 %	-11.2 %	-3.6 %

## MODAL SPLIT

	(%)						
	ROAD	RAIL	INLAND WATERWAYS	PIPELINES	SEA	AIR	
1995	46.9	15.6	5.1	4.3	28.1	0.1	
2000	48.7	14.1	4.8	4.2	28.1	0.1	
2005	51.3	12.8	4.5	4.1	27.3	0.1	
2010	51.3	12.4	5.1	3.7	27.5	0.1	
2011	50.6	13.2	4.7	3.6	27.9	0.1	
2012	50.0	13.0	5.1	3.5	28.3	0.1	
2013	50.4	12.8	5.1	3.4	28.3	0.1	
2014	50.2	12.8	4.9	3.3	28.7	0.1	
2015	50.6	12.9	4.8	3.4	28.2	0.1	
2016	50.8	12.8	4.6	3.3	28.5	0.1	
2017	51.9	12.5	4.5	3.2	27.9	0.1	
2018	51.1	12.5	3.9	3.1	29.2	0.1	
2019	52.0	12.0	4.1	3.0	28.8	0.1	
2020	53.3	11.5	4.0	2.8	28.2	0.1	

**NB:** Air and Sea: only domestic and intra-EU-27 transport; estimates for air and for sea based on Eurostat data. The time series for maritime activity from 1995 to 2004 and for aviation activity from 1995 to 2007 have been recalibrated by DG MOVE in line with the new EU-27 figures to avoid break in series. Following methodological changes, the times series (2005-2020) for maritime activity were backwards revised. Road: national and international haulage by vehicles registered in the EU-27 until 2004, from 2005 onwards the activity performed by European drivers within the EU territory.

## Modal split of freight transport on land 2020 – BY COUNTRY 2.2.3

tkm in %				
	ROAD	RAIL	INLAND WATERWAYS	PIPELINES
<b>EU-27</b>	<b>74.4</b>	<b>16.1</b>	<b>5.6</b>	<b>3.9</b>
BE	76.8	9.9	10.9	2.4
BG	49.3	20.2	28.0	2.5
CZ	75.3	22.2	0.0	2.4
DK	85.5	10.4	-	4.1
DE	73.0	17.1	7.3	2.6
EE	61.4	38.6	-	-
IE	99.2	0.8	-	-
EL	96.6	3.2	-	0.2
ES	92.6	4.0	-	3.5
FR	85.3	9.6	2.1	2.9
HR	61.5	21.7	6.0	10.9
IT	83.6	11.4	0.1	5.0
CY	100.0	-	-	-
LV	42.0	54.5	-	3.5
LT	35.0	64.1	0.0	0.8
LU	85.2	6.6	8.2	-
HU	62.1	27.5	4.7	5.6
MT	100.0	-	-	-
NL	49.9	5.9	39.7	4.6
AT	61.2	26.7	2.1	10.0
PL	71.0	20.7	0.0	8.3
PT	84.2	13.9	-	1.9
RO	44.5	25.3	28.0	2.2
SI	65.5	34.5	-	-
SK	57.6	24.2	2.9	15.3
FI	73.8	25.9	0.3	-
SE	70.2	29.7	0.1	-
IS				
NO	62.8	11.3	-	25.9
CH	67.2	32.4	0.1	0.3
ME				
MK				
AL				
RS				
TR				

2.2.4a

Road

NATIONAL HAULAGE (\*)

HAULAGE BY VEHICLES REGISTERED  
IN THE REPORTING COUNTRY

		billion tkm							% OF TOTAL HAULAGE 2020	% CHANGE '19/'20
	1995	2000	2005	2010	2015	2018	2019	2020		
<b>EU-27</b>		936.1	1 074.6	1 035.4	1 002.6	1 088.6	1 117.8	1 108.3	61.5	-0.9
<b>EU-28</b>		1 086.4	1 225.8	1 173.2	1 145.4	1 240.5	1 272.2			
BE	18.6	19.8	19.3	17.8	21.3	20.6	21.7	21.5	62.6	-0.9
BG		3.1	5.0	6.1	7.2	7.7	5.7	7.4	22.8	29.6
CZ		14.2	15.5	14.8	21.2	23.5	25.0	28.3	50.4	13.0
DK	9.3	11.0	11.1	10.6	12.5	12.1	12.2	12.4	84.5	2.0
DE	201.3	226.5	237.6	252.5	269.7	276.2	274.0	269.9	88.6	-1.5
EE	0.4	0.7	1.8	1.4	1.5	1.7	1.7	1.3	29.7	-25.6
IE	4.7	8.3	14.0	8.2	7.8	9.4	10.0	9.1	79.3	-9.4
EL	20.0	23.0	19.6	25.3	15.0	15.4	15.3	12.9	51.4	-15.4
ES	78.7	106.9	166.4	146.2	137.2	158.5	165.9	163.7	67.6	-1.3
FR	135.3	163.2	177.3	164.3	141.2	159.6	162.5	158.2	93.2	-2.7
HR		1.9	4.4	4.5	4.1	4.2	4.3	4.5	36.6	4.1
IT	150.3	158.3	171.6	149.2	104.1	111.7	122.5	118.2	88.7	-3.5
CY		1.3	1.4	1.1	0.5	0.9	0.8	0.7	94.8	-19.1
LV		1.5	2.7	2.6	2.8	3.5	3.4	3.7	27.1	10.9
LT		1.5	2.1	2.3	2.9	3.6	3.6	4.0	7.2	12.4
LU	0.5	0.4	0.5	0.6	1.0	0.6	0.7	0.5	8.3	-22.7
HU		12.1	11.4	11.3	10.4	13.0	13.4	12.9	39.9	-3.9
MT		0.2	0.2	0.2	0.2	0.2	0.2	0.2	80.0	0.0
NL	26.7	31.5	31.8	30.1	32.2	34.3	35.4	34.8	51.7	-1.8
AT	11.1	12.4	12.5	13.9	15.5	16.9	17.2	17.1	66.0	-0.9
PL		48.0	60.9	82.2	104.7	114.7	119.4	123.8	34.9	3.7
PT	16.5	14.2	17.4	12.9	10.8	10.5	10.4	8.7	36.0	-16.2
RO		9.9	19.4	12.1	12.1	14.4	16.7	17.3	31.4	3.6
SI		1.9	2.4	2.3	2.1	2.3	2.3	2.3	10.0	-1.3
SK		5.1	5.6	5.2	5.2	6.5	6.7	6.5	20.5	-3.8
FI	21.8	27.7	27.8	25.2	21.4	26.0	26.7	27.9	93.9	4.3
SE	28.4	31.5	34.7	32.7	38.1	40.7	40.1	40.7	94.3	1.5
IS	0.5	0.6	0.7	0.8	0.9	1.2	1.2	1.2		-0.3
NO		12.1	15.4	16.3	20.5	18.9	19.4	19.2	89.9	-0.9
CH	8.4	8.9	9.2	9.6	10.4	10.7	10.6	10.6	85.3	0.6
ME						0.0	0.1	0.1	63.7	5.2
MK			1.4	1.2	1.1	1.4	1.5	1.5	14.1	-0.6
AL										
RS										
TR	112.5	161.6	166.8	190.4	244.3	266.5	267.6	272.9		2.0
UK	146.7	150.3	151.2	137.8	142.9	151.9	154.4			

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



## Road

2.2.4b

### INTERNATIONAL HAULAGE (\*)

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

		billion tkm							% OF TOTAL HAULAGE 2020	% CHANGE '19/'20	
		1995	2000	2005	2010	2015	2018	2019	2020		
<b>EU-27</b>			406.3	558.7	574.3	612.6	675.3	702.3	695.2	38.5	-1.0
<b>EU-28</b>			421.6	568.8	583.2	619.8	682.5	708.7			
BE	27.0	31.3	24.6	17.2	14.8	12.1	13.1	12.8	37.4	-2.0	
BG		3.3	9.3	13.3	25.1	19.2	14.8	25.2	77.2	69.6	
CZ		23.1	27.9	37.1	37.5	17.5	14.0	27.8	49.6	98.0	
DK	13.1	13.0	12.2	4.4	3.0	2.9	2.8	2.3	15.5	-19.4	
DE	36.5	54.2	72.5	60.6	45.2	40.6	37.8	34.7	11.4	-8.3	
EE	1.1	3.2	4.0	4.2	4.7	4.1	3.1	3.0	70.3	-2.5	
IE	0.8	3.9	3.9	2.7	2.1	2.2	2.4	2.4	20.7	-3.2	
EL	4.0	4.5	4.2	4.6	4.7	13.9	12.9	12.2	48.6	-5.3	
ES	22.9	41.8	66.8	63.9	72.2	80.5	83.6	78.6	32.4	-6.1	
FR	42.9	40.8	28.0	17.9	12.3	12.3	11.6	11.5	6.8	-0.5	
HR		1.0	4.9	4.2	6.4	8.4	8.2	7.8	63.4	-4.9	
IT	24.1	26.4	40.2	26.5	12.7	13.2	15.5	15.1	11.3	-2.7	
CY		0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	37.0	
LV		3.3	5.7	8.0	11.9	11.5	11.6	10.0	72.9	-14.0	
LT		6.2	13.8	17.1	23.6	39.9	49.6	51.3	92.8	3.5	
LU	5.0	7.2	8.3	8.1	6.9	6.2	6.7	5.7	91.7	-15.7	
HU		7.0	13.8	22.4	28.0	25.0	23.6	19.4	60.1	-17.8	
MT		0.1	0.1	0.1	0.1	0.1	0.1	0.1	20.0	0.0	
NL	40.4	48.0	52.3	46.8	36.7	34.6	33.5	32.5	48.3	-3.2	
AT	15.4	22.7	24.5	14.7	10.0	8.8	9.2	8.8	34.0	-4.2	
PL		27.0	50.9	120.1	156.0	201.2	229.6	231.1	65.1	0.7	
PT	15.5	12.6	25.2	22.5	21.0	22.4	20.6	15.5	64.0	-24.7	
RO		4.4	32.1	13.8	27.0	44.4	44.4	37.7	68.6	-14.9	
SI		3.4	8.7	13.6	15.8	20.0	21.7	20.4	90.0	-6.1	
SK		9.3	16.9	22.4	28.3	29.1	27.2	25.2	79.5	-7.5	
FI	2.7	4.3	4.0	4.4	3.1	2.4	2.1	1.8	6.1	-15.4	
SE	3.2	4.2	3.9	3.5	3.4	2.8	2.5	2.5	5.7	-0.8	
IS											
NO		3.0	2.9	3.4	2.7	2.4	2.1	2.2	10.1	4.9	
CH	0.7	0.9	1.0	3.7	2.1	1.8	1.8	1.8	14.7	1.2	
ME						0.0	0.0	0.0	36.3	26.9	
MK					9.1	9.2	8.8	9.1	85.9	4.4	
AL											
RS											
TR											
UK	14.8	15.3	10.1	8.9	7.2	7.2	6.4				

NB: (\*) 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	2015	2018	2019	2020	CHANGE '19/'20
<b>EU-27</b>	1 127.2	1 343.9	1 633.3	1 609.7	1 615.1	1 763.9	1 819.5	1 803.4	-0.9
<b>EU-28</b>	1 288.7	1 509.5	1 794.6	1 756.4	1 765.2	1 923.2	1 980.4		
BE	45.6	51.0	43.8	35.0	36.1	32.7	34.8	34.4	-1.3
BG	5.2	6.4	14.4	19.4	32.3	27.0	20.6	32.6	58.5
CZ	31.3	37.3	43.4	51.8	58.7	41.1	39.1	56.1	43.6
DK	22.4	24.0	23.3	15.0	15.5	15.0	15.0	14.7	-2.0
DE	237.8	280.7	310.1	313.1	314.8	316.8	311.9	304.6	-2.3
EE	1.5	3.9	5.8	5.6	6.3	5.8	4.8	4.3	-10.7
IE	5.5	12.3	17.9	10.9	9.9	11.6	12.4	11.4	-8.2
EL	24.0	29.0	23.8	29.8	19.8	29.3	28.2	25.2	-10.8
ES	101.6	148.7	233.2	210.1	209.4	239.0	249.6	242.3	-2.9
FR	178.2	204.0	205.3	182.2	153.6	171.9	174.1	169.7	-2.5
HR		2.9	9.3	8.8	10.4	12.6	12.5	12.3	-1.8
IT	174.4	184.7	211.8	175.8	116.8	124.9	138.0	133.2	-3.5
CY	1.2	1.3	1.4	1.1	0.6	0.9	0.9	0.7	-17.4
LV	1.8	4.8	8.4	10.6	14.7	15.0	15.0	13.7	-8.4
LT	5.2	7.8	15.9	19.4	26.5	43.6	53.1	55.3	4.1
LU	5.5	7.6	8.8	8.7	7.8	6.8	7.4	6.2	-16.3
HU	13.8	19.1	25.2	33.7	38.4	37.9	37.0	32.2	-12.8
MT	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0
NL	67.1	79.6	84.2	76.8	68.9	68.9	68.3	67.2	-1.6
AT	26.5	35.1	37.0	28.7	25.5	25.8	26.4	25.9	-2.0
PL	51.2	75.0	111.8	202.3	260.7	315.9	349.0	354.9	1.7
PT	32.0	26.8	42.6	35.4	31.8	33.0	31.0	24.2	-21.8
RO	19.7	14.3	51.5	25.9	39.0	58.8	61.0	55.0	-9.9
SI	3.3	5.3	11.0	15.9	17.9	22.2	24.0	22.7	-5.6
SK	15.9	14.3	22.6	27.6	33.5	35.6	33.9	31.6	-6.8
FI	24.5	32.0	31.9	29.5	24.5	28.3	28.8	29.7	2.9
SE	31.6	35.6	38.6	36.3	41.5	43.5	42.6	43.2	1.4
IS	0.5	0.6	0.7	0.8	0.9	1.2	1.2	1.2	-0.3
NO	9.7	15.1	18.2	19.8	23.1	21.3	21.5	21.4	-0.3
CH	9.1	9.8	10.2	13.2	12.4	12.5	12.4	12.5	0.7
ME			0.1	0.2	0.1	0.1	0.1	0.1	12.3
MK			5.6	4.2	10.2	10.6	10.3	10.6	3.7
AL	2.1	2.2	3.2	4.6	3.4	3.5	3.5	3.5	-0.1
RS		0.6	0.7	1.7	3.0	6.4	8.2	7.7	-5.3
TR	112.5	161.6	166.8	190.4	244.3	266.5	267.6	272.9	2.0
UK	161.5	165.6	161.3	146.7	150.1	159.3	160.8		

**NB:** (\*) Including cross-trade and cabotage.  
Only haulage of heavy goods vehicles (usually >3.5 tonnes load capacity).  
TR, IS: national transport only.  
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	2015	2016	2017	2018	2019	2020	CHANGE '19/'20
<b>EU-27</b>	1 588.2	1 558.3	1 562.0	1 619.7	1 707.3	1 707.5	1 764.8	1 745.0	- 1.1
<b>EU-28</b>	1 755.5	1 709.8	1 719.2	1 783.7	1 869.0	1 872.9	1 932.9		
BE	46.8	45.6	50.5	52.3	52.1	50.9	52.4	51.9	-1.0
BG	11.0	8.9	11.2	11.2	12.0	11.1	8.7	11.0	26.4
CZ	32.3	32.0	42.7	43.3	43.1	43.4	45.6	51.7	13.3
DK	16.8	17.2	19.1	20.6	20.4	19.3	19.5	20.2	3.9
DE	370.8	404.9	433.1	447.2	463.0	458.6	469.3	466.5	-0.6
EE	2.7	2.2	2.8	3.1	2.9	3.0	3.0	2.8	-7.6
IE	15.6	9.7	9.2	10.6	10.6	10.8	11.6	9.6	-17.0
EL	21.9	27.6	17.7	19.3	19.7	19.4	19.0	16.8	-11.6
ES	210.7	184.4	178.0	186.7	198.0	203.6	212.7	207.5	-2.5
FR	294.5	275.1	251.2	258.6	277.8	281.6	289.3	280.0	-3.2
HR	10.5	7.9	8.2	8.3	9.5	9.5	9.0	9.3	2.7
IT	204.0	183.6	134.0	131.7	142.1	146.3	158.3	152.9	-3.4
CY	1.4	1.1	0.5	0.7	0.8	0.9	0.8	0.7	-19.1
LV	3.7	3.7	4.8	4.9	5.3	5.7	5.4	6.1	14.3
LT	4.4	5.0	7.3	7.4	7.7	8.0	7.8	8.7	10.9
LU	1.9	2.1	2.5	2.7	2.7	2.3	2.4	2.1	-12.0
HU	22.2	21.3	22.1	24.3	25.8	27.0	27.7	26.2	-5.3
MT									
NL	49.7	49.2	51.7	54.8	54.3	55.1	57.1	56.7	-0.7
AT	32.4	37.9	41.4	43.1	45.8	46.3	47.1	47.0	-0.2
PL	86.8	116.2	147.4	154.2	174.0	161.9	173.1	175.1	1.2
PT	23.9	18.9	16.3	16.4	16.7	16.7	16.6	13.9	-16.2
RO	32.5	15.6	16.5	18.0	19.4	19.9	22.3	21.7	-2.9
SI	7.3	7.3	7.8	8.5	9.3	9.5	9.6	9.0	-6.6
SK	10.5	11.8	13.9	14.9	16.4	16.5	17.2	16.5	-4.1
FI	28.8	26.5	22.8	25.7	27.5	27.3	27.8	28.9	4.2
SE	45.1	42.4	49.4	51.2	50.4	52.8	51.5	52.3	1.6
IS									
NO	17.1	19.1	23.7	22.2	22.6	22.5	22.8	22.8	0.2
CH	23.0	21.6	20.8	20.8	21.9	22.1	22.3	23.0	2.9
ME									
MK									
AL									
RS									
TR									
UK	167.3	151.5	157.2	164.0	161.7	165.4	168.1		

NB: (\*) 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 MT (negligible, exempted 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								%
	1995	2000	2005	2010	2015	2018	2019	2020	CHANGE '19/'20
<b>EU-27</b>	374.8	387.9	394.6	375.0	398.5	418.3	407.9	377.3	-7.5
<b>EU-28</b>	388.1	406.0	416.0	393.5	417.9	435.5	424.8		
BE	7.3	7.7	8.1	7.5	7.3	7.5	7.4	6.7	-9.5
BG	8.6	5.5	5.2	3.1	3.7	3.8	3.9	4.5	15.4
CZ	22.6	17.5	14.9	13.8	15.3	16.6	16.2	15.3	-5.7
DK	2.0	2.0	2.0	2.2	2.6	2.6	2.5	2.5	-3.0
DE	70.5	82.7	95.4	107.3	116.6	117.9	119.5	109.2	-8.6
EE	3.8	8.1	10.6	6.6	3.1	2.6	2.2	1.7	-19.8
IE	0.6	0.5	0.3	0.1	0.1	0.1	0.1	0.1	2.8
EL	0.3	0.4	0.6	0.6	0.3	0.4	0.5	0.6	13.0
ES	11.0	12.2	11.6	8.9	11.0	10.7	10.7	8.9	-16.7
FR	48.3	57.7	40.7	30.0	36.3	34.1	33.7	31.6	-6.3
HR	2.0	1.8	2.8	2.6	2.2	2.7	2.9	3.3	12.6
IT	21.7	22.8	22.8	18.6	20.8	22.1	21.3	20.8	-2.6
CY	-	-	-	-	-	-	-	-	-
LV	9.8	13.3	19.8	17.2	18.9	17.9	15.0	8.0	-46.9
LT	7.2	8.9	12.5	13.4	14.0	16.9	16.2	15.9	-2.0
LU	0.5	0.6	0.4	0.3	0.2	0.2	0.2	0.2	-15.2
HU	8.4	8.8	9.1	8.8	10.0	10.6	10.6	11.6	9.1
MT	-	-	-	-	-	-	-	-	-
NL	3.1	4.5	5.9	5.9	6.5	7.0	7.1	6.7	-5.9
AT	13.2	16.6	19.0	19.8	20.8	22.0	21.7	20.5	-5.7
PL	68.2	54.0	50.0	48.7	50.6	59.4	54.6	51.1	-6.4
PT	2.0	2.2	2.4	2.3	2.7	2.8	2.5	2.3	-7.1
RO	17.9	16.4	16.6	12.4	13.7	13.1	13.3	12.3	-7.7
SI	3.1	2.9	3.2	3.4	4.2	5.2	5.3	4.7	-10.7
SK	13.8	11.2	9.5	8.1	8.4	8.4	8.1	6.9	-15.1
FI	9.6	10.1	9.7	9.8	8.5	11.2	10.3	10.1	-1.3
SE	19.4	19.5	21.7	23.5	20.7	22.8	22.2	22.1	-0.6
IS	-	-	-	-	-	-	-	-	-
NO	2.7	3.0	3.2	3.5	3.5	4.0	3.9	4.1	5.3
CH	8.9	11.1	11.7	11.1	12.4	11.8	11.7	11.1	-5.2
ME				0.2	0.1	0.1	0.1	0.1	0.0
MK		0.5	0.5	0.5	0.3	0.3	0.4	0.3	-2.3
AL	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	-39.5
RS				3.5	3.2	3.2	2.9	2.7	-4.1
TR	8.5	9.8	9.1	11.3	10.2	12.6	14.7	15.3	4.3
UK	13.3	18.1	21.4	18.6	19.3	17.2	16.9		

NB: BE: data from UIC, therefore it refers only to companies members of UIC.

## Inland waterways

2.2.6

	billion tkm								%
	1995	2000	2005	2010	2015	2018	2019	2020	CHANGE '19/'20
<b>EU-27</b>	121.9	133.7	138.6	155.4	147.4	131.3	139.7	131.7	-5.7
<b>EU-28</b>	122.1	133.9	138.8	155.5	147.5	131.4	139.9		
BE	5.7	7.2	8.6	9.1	10.4	8.0	7.8	7.4	-4.9
BG	0.5	0.3	0.8	6.0	5.6	4.9	5.9	6.3	6.6
CZ	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	-43.8
DK	-	-	-	-	-	-	-	-	-
DE	64.0	66.5	64.1	62.3	55.3	46.9	50.9	46.3	-9.0
EE	0.0	-	-	-	-	-	-	-	-
IE	-	-	-	-	-	-	-	-	-
EL	-	-	-	-	-	-	-	-	-
ES	-	-	-	-	-	-	-	-	-
FR	6.6	9.1	8.9	9.5	8.5	7.3	8.0	7.0	-12.8
HR	0.0	0.1	0.1	0.9	0.9	0.7	0.8	0.9	8.1
IT	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	125.5
CY	-	-	-	-	-	-	-	-	-
LV	-	-	-	-	-	-	-	-	-
LT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
LU	0.3	0.4	0.3	0.4	0.2	0.2	0.2	0.2	-11.8
HU	1.2	0.9	2.1	2.4	1.8	1.6	2.1	2.0	-5.8
MT	-	-	-	-	-	-	-	-	-
NL	35.5	41.3	42.2	46.6	48.5	46.9	47.0	45.2	-3.9
AT	2.0	2.4	1.8	2.4	1.8	1.5	1.7	1.6	-6.4
PL	0.9	1.2	0.3	0.1	0.1	0.1	0.1	0.1	-11.5
PT	-	-	-	-	-	-	-	-	-
RO	3.1	2.6	8.4	14.3	13.2	12.3	14.0	13.6	-2.3
SI	-	-	-	-	-	-	-	-	-
SK	1.5	1.4	0.7	1.2	0.7	0.8	0.9	0.8	-11.0
FI	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	4.1
SE	-	-	-	-	-	0.0	0.0	0.1	61.2
IS	-	-	-	-	-	-	-	-	-
NO	-	-	-	-	-	-	-	-	-
CH	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	-11.6
ME	-	-	-	-	-	-	-	-	-
MK	-	-	-	-	-	-	-	-	-
AL	-	-	-	-	-	-	-	-	-
RS	0.3	1.0	1.6	0.9	0.9	0.6	0.7	0.6	-23.2
TR	-	-	-	-	-	-	-	-	-
UK	0.2	0.2	0.2	0.2	0.1	0.1	0.2		

**NB:** FI: only shipborne transport (i.e. no floating).  
 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								%
	1995	2000	2005	2010	2015	2018	2019	2020	CHANGE '19/'20
<b>EU-27</b>	103.8	115.7	126.8	111.0	104.1	104.1	101.0	91.7	-9.2
<b>EU-28</b>	114.9	127.1	137.6	121.1	114.1	114.1	111.0		
BE	1.4	1.6	1.5	1.5	1.6	1.6	1.6	1.6	-0.2
BG	0.4	0.4	0.4	0.4	0.7	0.7	0.7	0.6	-23.9
CZ	2.3	1.6	2.3	2.2	2.0	2.1	2.1	1.7	-18.3
DK	3.1	4.7	5.1	3.5	2.3	2.1	1.5	1.0	-34.3
DE	14.8	15.0	16.7	16.3	17.7	17.2	17.6	16.7	-5.5
EE	-	-	-	-	-	-	-	-	-
IE	-	-	-	-	-	-	-	-	-
EL	-	-	0.2	0.2	0.0	0.0	0.0	0.0	-4.3
ES	5.9	7.5	9.2	8.2	10.1	9.9	10.5	7.8	-25.8
FR	22.3	21.7	20.9	17.6	11.4	12.4	11.8	9.5	-19.4
HR		0.4	1.5	1.3	1.4	2.0	1.4	1.6	18.1
IT	9.7	10.3	11.4	10.4	9.2	10.3	10.1	9.1	-10.3
CY	-	-	-	-	-	-	-	-	-
LV	5.3	6.5	3.4	2.4	2.0	1.1	0.9	0.5	-44.1
LT	2.0	3.5	4.4	0.6	0.5	0.3	0.3	0.2	-36.6
LU	-	-	-	-	-	-	-	-	-
HU	2.2	2.3	2.7	3.2	2.5	2.5	2.5	2.4	-3.0
MT	-	-	-	-	-	-	-	-	-
NL	5.3	5.9	5.9	5.6	6.0	5.5	5.8	5.2	-11.1
AT	6.8	7.6	7.8	7.0	8.5	8.6	8.6	7.7	-9.9
PL	13.5	20.4	25.4	24.2	21.8	21.3	19.4	20.4	5.4
PT	-	0.5	0.5	0.4	0.4	0.4	0.5	0.3	-31.7
RO	2.9	1.4	2.2	1.0	1.0	1.1	1.2	1.1	-8.4
SI	-	-	-	-	-	-	-	-	-
SK	6.7	4.6	5.3	5.0	5.0	4.8	4.6	4.4	-3.8
FI	-	-	-	-	-	-	-	-	-
SE	-	-	-	-	-	-	-	-	-
IS	-	-	-	-	-	-	-	-	-
NO	5.3	3.5	4.6	3.5	3.4	4.5	5.2	9.4	81.0
CH	1.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	-4.8
ME	-	-	-	-	-	-	-	-	-
MK	-	-	0.1	0.1	0.0	0.0	0.0	0.0	15.3
AL	-	-	-	-	-	-	-	-	-
RS	-	-	-	0.4	0.4	1.1	0.9	0.5	-46.8
TR	3.2	53.1	5.7	39.6	52.5	38.7	54.2	54.0	-0.5
UK	11.1	11.4	10.8	10.2	10.0	10.0	10.0		

**NB:** Data are not harmonised and therefore not fully comparable; in most countries, only pipelines longer than 40km are included. Data refer to oil pipelines.  
DE: from 1995 onwards: only crude oil (i.e. no refined petroleum products).  
DK: crude oil including water.

## United States

2.2.8

### PERFORMANCE BY MODE OF TRANSPORT: FREIGHT

	billion tkm				
	ROAD	RAIL	INLAND WATERWAYS	PIPELINES	TOTAL
1990	2 432.2	1 509.6	515.8	1 519.9	5 977.5
1995	2 239.7	1 906.3	534.4	1 564.1	6 244.5
2000	2 929.1	2 140.3	526.2	1 413.0	7 008.6
2005	3 275.6	2 476.7	476.5	1 263.9	7 492.7
2010	2 672.9	2 468.8	450.6	1 395.7	6 988.0
2011	2 409.8	2 524.7	464.2	1 486.4	6 885.0
2012	2 684.4	2 500.3	462.0	1 251.0	6 897.7
2013	2 926.5	2 541.4	438.2	1 195.5	7 101.5
2014	2 856.9	2 702.7	482.7	1 247.7	7 290.1
2015	2 899.4	2 537.8	457.9	1 288.6	7 183.8
2016	3 008.8	2 314.7	445.0	1 269.8	7 038.3
2017	3 454.4	2 445.1	455.0	1 289.0	7 643.4
2018	3 418.8	2 525.2	462.9	1 361.5	7 768.5
2019	3 457.2	2 357.1	425.2	1 409.1	7 648.6
2020	3 543.0	2 102.1	409.7	1 352.4	7 407.2

### AVERAGE ANNUAL CHANGE

	% PER YEAR				
	ROAD	RAIL	INLAND WATERWAYS	PIPELINES	TOTAL
2001	2.5	2.0	-4.1	-4.5	0.5
2002	7.8	0.8	0.3	-4.7	2.7
2003	1.8	2.9	-6.0	-0.6	1.2
2004	1.1	7.2	4.3	-0.6	2.9
2005	-1.6	2.0	-4.0	-0.6	-0.4
2006	-2.4	4.4	2.5	-0.6	0.5
2007	2.1	-0.1	-3.3	-0.6	0.6
2008	-16.1	0.4	-3.8	14.7	-4.6
2009	9.5	-13.8	-10.4	-3.5	-2.7
2010	-10.9	10.4	10.7	0.9	-0.5
2011	-9.8	2.3	3.0	6.5	-1.5
2012	11.4	-1.0	-0.5	-15.8	0.2
2013	9.0	1.6	-5.2	-4.4	3.0
2014	-2.4	6.4	10.2	4.4	2.7
2015	1.5	-6.1	-5.1	3.3	-1.5
2016	3.8	-8.8	-2.8	-1.5	-2.0
2017	14.8	5.6	2.2	1.5	8.6
2018	-1.0	3.3	1.7	5.6	1.6
2019	1.1	-6.7	-8.1	3.5	-1.5
2020	2.5	-10.8	-3.7	-4.0	-3.2
1990 - 1995	-1.6	4.8	0.7	0.6	0.9
1995 - 2000	5.5	2.3	-0.3	-2.0	2.3
2000 - 2010	-0.9	1.4	-1.5	-0.1	0.0
2011 - 2020	4.4	-2.0	-1.4	-1.0	0.8

**NB:** Time series for road transport revised according to the estimates based on the Freight Analysis Framework (FAF). From the break onwards, the source is the Bureau of Transportation Statistics.

## 2.2.8

## United States

### MODAL SPLIT – FREIGHT TRANSPORT

	%			
	ROAD	RAIL	INLAND WATERWAYS	PIPELINES
1990	40.7	25.3	8.6	25.4
1991	39.5	26.0	8.7	25.8
1992	40.0	25.9	8.6	25.5
1993	38.9	27.1	8.3	25.8
1994	39.4	27.9	8.3	24.5
1995	35.9	30.5	8.6	25.0
1996	36.4	30.6	8.0	24.9
1997	39.6	29.1	7.7	23.7
1998	41.0	29.1	7.5	22.3
1999	41.2	30.0	7.6	21.2
2000	41.8	30.5	7.5	20.2
2001	42.7	31.0	7.2	19.2
2002	44.8	30.4	7.0	17.8
2003	45.0	31.0	6.5	17.5
2004	44.3	32.3	6.6	16.9
2005	43.7	33.1	6.4	16.9
2006	42.5	34.4	6.5	16.7
2007	43.1	34.1	6.2	16.5
2008	37.9	35.9	6.3	19.8
2009	42.7	31.8	5.8	19.7
2010	38.2	35.3	6.4	20.0
2011	35.0	36.7	6.7	21.6
2012	38.9	36.2	6.7	18.1
2013	41.2	35.8	6.2	16.8
2014	39.2	37.1	6.6	17.1
2015	40.4	35.3	6.4	17.9
2016	42.7	32.9	6.3	18.0
2017	45.2	32.0	6.0	16.9
2018	44.0	32.5	6.0	17.5
2019	45.2	30.8	5.6	18.4
2020	47.8	28.4	5.5	18.3

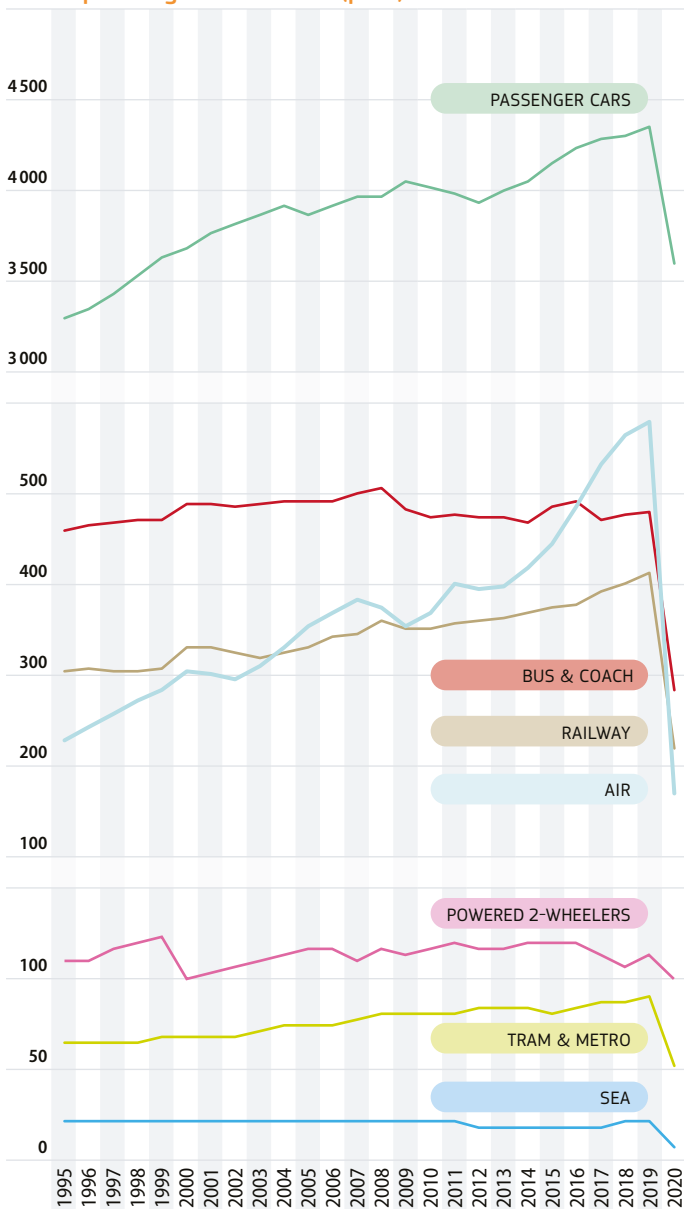
**NB:** Time series for road transport revised according to the estimates based on the Freight Analysis Framework (FAF). From the break onwards, the source is the Bureau of Transportation Statistics.



## EU-27 Performance for passenger transport 1995-2020 – BY MODE

2.3.1

billion passenger-kilometres (pkm)



## 2.3.2

# EU-27 Performance BY MODE

## PASSENGER TRANSPORT

	billion pkm							
	PASSEN- GER CARS	P2W	BUS & COACH	RAILWAY	TRAM & METRO	AIR	SEA	TOTAL
1995	3283.8	108.2	468.0	312.7	63.8	237.2	22.8	4 496
2000	3660.4	99.2	496.5	338.6	67.8	313.3	21.4	4 997
2005	3839.2	114.6	497.8	339.8	73.2	361.3	21.3	5 247
2010	3975.9	113.8	482.2	358.3	80.7	377.3	22.5	5 411
2011	3943.6	117.7	485.6	364.1	81.1	408.5	20.0	5 421
2012	3898.5	115.1	481.6	367.3	82.2	402.1	18.5	5 365
2013	3957.2	114.7	480.5	371.8	82.0	406.0	19.3	5 432
2014	4012.5	117.4	476.2	376.3	82.2	425.6	19.4	5 510
2015	4101.0	117.4	493.4	381.6	80.2	451.8	19.4	5 645
2016	4185.0	118.7	498.3	386.5	82.6	492.6	18.4	5 782
2017	4228.5	112.2	479.0	400.8	84.3	538.4	19.7	5 863
2018	4257.0	106.8	484.1	407.3	86.9	571.8	20.8	5 935
2019	4299.9	111.3	487.5	420.9	87.1	585.5	21.1	6 013
2020	3583.0	100.1	293.6	227.3	53.9	177.9	10.3	4 446
'95/'20	9.1%	-7.4%	-37.3%	-27.3%	-15.6%	-25.0%	-54.6%	-1.1%
/year	0.3%	-0.3%	-1.8%	-1.3%	-0.7%	-1.1%	-3.1%	-0.0%
'00/'20	-2.1%	0.9%	-40.9%	-32.9%	-20.6%	-43.2%	-51.6%	-11.0%
/year	-0.1%	0.0%	-2.6%	-2.0%	-1.1%	-2.8%	-3.6%	-0.6%
'19/'20	-16.7%	-10.0%	-39.8%	-46.0%	-38.2%	-69.6%	-51.0%	-26.1%

## MODAL SPLIT

	%						
	PASSEN- GER CARS	P2W	BUS & COACH	RAILWAY	TRAM & METRO	AIR	SEA
1995	73.0	2.4	10.4	7.0	1.4	5.3	0.5
2000	73.2	2.0	9.9	6.8	1.4	6.3	0.4
2005	73.2	2.2	9.5	6.5	1.4	6.9	0.4
2010	73.5	2.1	8.9	6.6	1.5	7.0	0.4
2011	72.8	2.2	9.0	6.7	1.5	7.5	0.4
2012	72.7	2.1	9.0	6.8	1.5	7.5	0.3
2013	72.9	2.1	8.8	6.8	1.5	7.5	0.4
2014	72.8	2.1	8.6	6.8	1.5	7.7	0.4
2015	72.7	2.1	8.7	6.8	1.4	8.0	0.3
2016	72.4	2.1	8.6	6.7	1.4	8.5	0.3
2017	72.1	1.9	8.2	6.8	1.4	9.2	0.3
2018	71.7	1.8	8.2	6.9	1.5	9.6	0.4
2019	71.5	1.9	8.1	7.0	1.4	9.7	0.4
2020	80.6	2.3	6.6	5.1	1.2	4.0	0.2

**NB:** Air and Sea: only domestic and intra-EU-27 transport; estimates for air and for sea based on Eurostat data. The time series for maritime activity from 1995 to 2004 and for aviation activity from 1995 to 2007 have been recalibrated by DG MOVE in line with the new EU-27 figures to avoid break in series. Following change in the methodology, the time series 2008-2020 for maritime and air activity have been revised.  
P2W: Powered two-wheelers.

## Modal split of passenger transport 2.3.3 on land 2020 – BY COUNTRY

	pkm as %			
	PASSENGER CARS	BUSES & COACHES	RAILWAYS	TRAM & METRO
<b>EU-27</b>	<b>86.2</b>	<b>7.1</b>	<b>5.5</b>	<b>1.3</b>
BE	84.3	8.0	6.8	0.9
BG	88.2	8.7	1.9	1.2
CZ	77.7	10.6	7.5	4.2
DK	87.0	6.8	5.9	0.4
DE	88.7	3.7	6.3	1.3
EE	86.7	10.9	1.8	0.6
IE	86.1	12.3	1.4	0.2
EL	86.0	12.4	0.6	1.0
ES	88.6	6.2	3.6	1.5
FR	86.0	5.1	8.1	0.9
HR	87.4	9.0	1.9	1.7
IT	85.3	10.1	3.9	0.7
CY	87.5	12.5	-	-
LV	88.8	8.3	2.5	0.4
LT	94.2	5.1	0.8	-
LU	86.2	10.1	3.3	0.4
HU	77.0	15.0	5.8	2.2
MT	86.1	13.9	-	-
NL	89.7	2.1	7.8	0.4
AT	73.9	9.4	8.4	8.4
PL	86.7	7.5	4.9	1.0
PT	92.4	4.2	2.7	0.7
RO	79.6	14.8	2.9	2.7
SI	91.2	7.5	1.3	-
SK	80.7	11.9	6.8	0.5
FI	86.3	9.2	3.8	0.8
SE	82.7	8.3	7.5	1.5
IS	91.4	8.6	-	-
NO	92.4	4.2	2.7	0.8
CH	80.4	5.4	13.4	0.8
ME	98.7	0.7	0.6	-
MK	96.2	3.5	0.2	-
AL	92.4	7.6	0.0	-
RS	77.6	20.5	0.4	1.5
TR	73.0	25.0	2.1	0.0

**NB:** If powered two-wheelers are included, they account for 2.4% of the total in EU-27, while the share of the other modes becomes:

<b>EU-27</b>	<b>84.2</b>	<b>6.9</b>	<b>5.3</b>	<b>1.3</b>
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## 2.3.4

## Passenger cars

		billion pkm							%	
		1990	1995	2000	2005	2010	2015	2019	2020	CHANGE '19/'20
<b>EU-27</b>			3 283.8	3 660.4	3 839.2	3 975.9	4 101.0	4 299.9	3 583.0	-16.7
<b>EU-28</b>			3 901.7	4 298.9	4 505.9	4 626.9	4 783.0	5 037.4		
BE	89.5	96.4	102.5	102.8	109.4	107.0	107.4	93.1	-13.4	
BG		25.0	26.9	35.1	46.9	56.8	58.1	51.0	-12.2	
CZ		54.5	63.9	68.6	63.6	69.7	81.2	68.9	-15.1	
DK	47.2	48.4	50.6	49.8	51.7	56.8	62.5	58.5	-6.5	
DE	683.1	815.3	831.3	856.9	887.0	927.0	902.6	809.2	-10.3	
EE		5.1	6.7	9.9	10.1	12.3	14.1	12.4	-11.9	
IE	28.5	31.6	34.6	44.4	48.1	51.9	58.7	51.8	-11.9	
EL	35.0	44.0	63.0	85.0	99.6	98.3	105.3	92.7	-12.0	
ES	174.4	250.4	302.6	337.8	341.6	317.6	342.0	298.2	-12.8	
FR	592.5	641.2	687.7	704.6	695.9	772.7	779.8	629.8	-19.2	
HR		12.5	20.0	24.0	25.7	26.4	25.4	20.2	-20.3	
IT	522.6	614.7	713.9	677.0	698.4	676.4	732.4	488.3	-33.3	
CY		3.4	3.9	4.8	5.9	6.2	7.0	6.2	-12.5	
LV		7.5	11.5	12.1	12.3	13.5	15.5	14.8	-4.7	
LT		16.0	26.0	34.8	32.6	24.9	31.4	28.5	-9.1	
LU	4.0	4.7	5.6	6.3	6.5	7.3	8.0	7.1	-11.6	
HU	47.0	45.4	46.2	49.4	52.6	54.6	67.0	63.9	-4.6	
MT		1.7	1.8	2.0	2.2	2.5	2.7	2.4	-12.7	
NL	137.3	131.4	141.1	148.8	144.2	139.5	147.5	105.2	-28.7	
AT	53.7	59.4	64.7	68.5	68.4	72.9	79.1	65.2	-17.6	
PL		110.7	130.1	152.3	188.8	200.6	244.5	224.1	-8.3	
PT	40.0	52.5	71.0	85.0	83.7	84.5	98.0	86.7	-11.6	
RO		40.0	51.0	61.0	75.5	89.9	110.5	100.9	-8.7	
SI	13.3	16.3	20.3	22.5	25.6	26.0	27.9	24.3	-13.0	
SK		18.0	23.9	25.8	26.9	27.5	28.6	25.3	-11.7	
FI	51.2	50.0	55.7	61.9	64.7	66.3	66.8	64.1	-4.0	
SE	85.9	87.6	103.7	108.0	108.0	111.9	95.6	90.2	-5.7	
IS		3.0	3.8	4.6	5.0	5.6	7.2	6.2	-13.4	
NO	43.5	44.7	51.2	54.0	58.8	64.7	67.2	62.8	-6.7	
CH	73.3	69.6	75.0	77.8	85.9	92.0	97.9	80.1	-18.1	
ME					4.1	4.1	5.1	4.3	-16.5	
MK			4.8	4.0	4.7	7.0	7.7	9.7	26.4	
AL		4.8	5.1	6.6	5.5	9.1	11.8	11.1	-6.5	
RS					30.6	28.6	31.3	28.2	-10.0	
TR	34.3	52.7	79.0	100.0	137.9	199.9	240.5	215.3	-10.5	
UK	588.0	617.9	638.6	666.7	651.1	682.0	737.6			

**NB:** Data is not harmonised and therefore not fully comparable. 2018 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. Due to change in the methodology data revision back to 2012.

UK: data refer to Great Britain only; include pkm by vans; Road estimates for the period 2010-2018 have been revised.

DE: includes DE-E: 1990=90.3. In 2021 revision of 2017 and 2018 data. 2020 provisional figures.

CH: includes activity of foreign vehicles in the country.

TR: excludes urban traffic.

DK: figures exclude activity of vans with a mass higher than 2 000 kg.

SE: 2016-2020: data revision due to change in methodology.

## Buses & coaches

2.3.5

		billion pkm							%	
		1990	1995	2000	2005	2010	2015	2019	2020	CHANGE '19/'20
EU-27			468.0	496.5	497.8	482.2	493.4	487.5	293.6	-39.8
EU-28			512.8	544.5	541.7	528.4	534.3	521.7		-100.0
BE	11.4	13.1	13.3	17.5	17.4	14.4	13.7	8.9		-35.2
BG	26.0	11.6	14.6	13.7	10.6	12.5	10.8	5.0		-53.5
CZ		18.6	16.2	15.6	17.0	16.3	18.0	9.4		-47.9
DK	6.4	7.3	7.4	7.2	6.8	6.9	6.9	4.5		-34.4
DE	73.1	68.5	69.0	67.1	61.8	65.1	61.3	34.0		-44.5
EE	4.5	2.0	2.6	2.7	2.1	3.1	3.1	1.6		-49.8
IE	3.9	5.2	7.0	7.9	8.5	8.5	10.7	7.4		-30.9
EL	17.7	20.2	21.7	21.7	21.1	21.1	20.3	13.3		-34.5
ES	33.4	39.6	50.3	53.2	50.9	46.4	33.3	21.0		-36.8
FR	52.3	53.2	49.6	50.1	54.0	58.0	59.2	37.0		-37.5
HR	7.0	4.1	3.3	3.4	3.2	3.4	4.0	2.1		-48.4
IT	84.0	87.1	93.4	101.0	102.2	102.5	104.3	57.8		-44.6
CY		1.0	1.1	1.3	1.3	1.4	1.6	0.9		-45.0
LV	5.9	1.8	2.3	2.9	2.3	2.2	2.2	1.4		-37.0
LT	7.9	4.2	2.8	3.7	2.7	2.7	2.9	1.5		-47.2
LU	0.5	0.5	0.6	0.8	0.9	1.1	1.2	0.8		-31.9
HU	19.3	16.6	18.7	17.8	16.5	17.8	18.8	12.4		-33.8
MT		0.4	0.5	0.5	0.5	0.5	0.6	0.4		-36.2
NL	13.0	12.0	4.6	4.8	4.8	4.9	5.5	2.4		-55.4
AT	5.7	7.1	9.0	9.2	8.6	9.1	10.4	8.3		-20.5
PL	46.3	34.0	59.2	49.2	41.7	37.6	36.2	19.3		-46.7
PT	10.3	11.3	11.8	6.4	6.1	6.6	7.9	3.9		-50.5
RO	24.0	12.3	7.7	11.8	15.8	24.9	26.7	18.7		-30.0
SI	6.5	4.1	3.5	3.1	3.2	3.6	3.8	2.0		-47.0
SK		14.4	9.3	8.5	5.3	5.4	6.2	3.7		-39.5
FI	8.5	8.0	7.7	7.5	7.5	7.5	7.9	6.8		-13.9
SE	9.7	9.7	9.2	9.3	9.4	9.8	10.1	9.0		-10.5
IS		0.4	0.5	0.6	0.6	0.7	0.9	0.6		-36.5
NO	3.9	3.8	4.1	4.3	4.5	4.1	4.6	2.8		-37.6
CH	3.3	5.5	4.8	5.3	5.5	6.0	6.5	5.4		-17.2
ME					0.1	0.1	0.1	0.0		-73.7
MK		0.9	0.9	1.1	1.4	1.2	1.0	0.4		-66.3
AL	2.2	0.2	0.2	0.3	2.4	1.2	1.4	0.9		-33.9
RS					9.4	9.4	10	7		-27.0
TR		85.7	87.4	95.0	89.1	90.8	99.1	73.7		-25.6
UK	47.1	44.8	48.0	44.0	46.2	40.9	34.1			

**NB:** Data is not harmonised and therefore not fully comparable. 2018 data may be provisional. Data sometimes includes activity of foreign vehicles performed within the country, therefore EU aggregates might be affected by double-counting.

CS: 1990=43.4

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. In 2020 revision of data from 2012 onwards following change in the methodology.

AT: the times series includes an estimate for trolleybuses.

UK: GB data + 1.5 bln pkm throughout to account for Northern Ireland. Road estimates for the period 2010-2018 have been revised.

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. Since 2018 new methodology.

NO: includes scheduled bus transport; 2015-2018 data were adjusted in 2020 due to changes in the underlying statistics.

SE: 2019 time series break due to change in the methodology.

RO: includes interurban and international road transport, local public transport by buses and minibuses, and trolleybuses (since 2015). Data for 2019 for buses and minibuses and trolleybuses are provisional and don't include pensioners residents in Bucarest.

2.3.6

Tram & metro

	billion pkm								%
	1990	1995	2000	2005	2010	2015	2019	2020	CHANGE '19/'20
EU-27		63.8	67.8	73.2	80.7	80.2	87.1	53.9	-38.2
EU-28		70.6	76.2	81.8	90.9	93.4	100.8		
BE	0.7	0.8	0.9	0.9	1.1	1.2	1.5	0.9	-35.7
BG	0.6	0.3	0.4	0.4	0.9	0.7	1.1	0.7	-34.5
CZ		7.7	8.1	7.9	9.0	9.4	11.1	3.8	-66.2
DK	-	-	-	0.2	0.2	0.3	0.4	0.3	-27.8
DE	15.1	14.4	14.6	15.5	16.3	16.7	17.6	11.7	-33.5
EE		0.1	0.1	0.1	0.2	0.2	0.1	0.1	-40.6
IE	-	-	-	0.1	0.1	0.2	0.3	0.1	-60.6
EL	0.8	0.7	1.2	1.5	1.7	1.7	1.7	1.1	-35.1
ES	4.4	4.3	5.2	6.0	7.6	7.2	8.2	5.1	-37.3
FR	6.8	6.2	7.7	9.4	9.8	10.5	11.4	6.6	-42.1
HR		0.5	0.5	0.5	0.5	0.6	0.6	0.4	-28.4
IT	4.2	5.2	5.6	6.0	7.1	6.8	7.6	4.2	-45.2
CY	-	-	-	-	-	-	-	-	-
LV	0.7	0.3	0.3	0.3	0.1	0.1	0.1	0.1	-41.2
LT	-	-	-	-	-	-	-	-	-
LU	-	-	-	-	-	-	0.0	0.0	1.7
HU		2.5	2.6	2.4	2.5	2.9	2.8	1.8	-34.3
MT	-	-	-	-	-	-	-	-	-
NL	1.3	1.4	0.7	0.7	0.9	0.9	1.0	0.5	-55.4
AT	4.2	5.1	6.0	6.4	6.9	7.2	7.4	7.4	0.0
PL		5.0	4.7	4.4	4.3	4.2	4.4	2.6	-41.0
PT	0.7	0.5	0.5	0.8	1.1	1.0	1.3	0.7	-48.5
RO		6.0	6.0	6.6	7.1	4.9	4.9	3.4	-30.3
SI	-	-	-	-	-	-	-	-	-
SK		0.4	0.4	0.4	0.3	0.3	0.3	0.2	-39.5
FI	0.4	0.4	0.5	0.5	0.5	0.5	0.7	0.6	-13.9
SE	2.0	1.9	2.0	2.0	2.3	2.5	2.7	1.7	-37.6
IS	-	-	-	-	-	-	-	-	-
NO	0.4	0.4	0.5	0.5	0.6	0.8	1.0	0.5	-47.1
CH		1.5	1.4	0.8	1.0	1.2	1.2	0.8	-32.5
ME	-	-	-	-	-	-	-	-	-
MK	-	-	-	-	-	-	-	-	-
AL	-	-	-	-	-	-	-	-	-
RS					0.4	0.4	0.6	0.6	-13.8
TR									
UK	6.5	6.8	8.3	8.7	10.2	13.2	13.6		

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

Data for 2017 are mostly provisional.

BE: Data used for the estimations were revised as of 2018 due to change in the methodology.

FR: include metro and tramways in Île-de-France (as of 2000) and metro in other French cities. In 2020 revision of data from 2012 onwards following change in the methodology.

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.

RO: new methodology for 2015 -2019 data.

## Railways

2.3.7

	billion pkm							% UNDER PSO (*) 2020	% CHANGE '19/'20
	1995	2000	2005	2010	2015	2019	2020		
<b>EU-27</b>	312.7	338.6	339.8	358.3	381.6	420.9	227.3	65.8	-46.0
<b>EU-28</b>	342.9	377.0	384.5	414.1	448.1	492.7			
BE	6.8	7.7	8.5	10.6	10.3	11.1	7.5	94.2	-32.2
BG	4.7	3.5	2.4	2.1	1.5	1.5	1.1	99.4	-26.4
CZ	8.0	7.3	6.7	6.6	8.1	10.9	6.6	92.1	-39.0
DK	4.9	5.5	6.0	6.3	6.5	6.2	3.9	100.0	-36.2
DE	71.0	75.4	76.8	83.9	91.7	100.3	57.8	59.7	-42.4
EE	0.4	0.3	0.2	0.2	0.3	0.4	0.3	100.0	-32.9
IE	1.3	1.4	1.8	1.7	1.9	2.4	0.8	100.0	-65.2
EL	1.6	1.9	1.9	1.4	1.3	1.3	0.6	95.1	-48.9
ES	16.6	20.1	21.6	22.5	26.1	28.8	12.1	52.4	-58.2
FR	46.8	74.9	82.3	92.4	94.7	101.9	59.2	41.5	-41.9
HR	1.1	1.3	1.2	1.7	0.9	0.7	0.4	99.3	-38.1
IT	46.7	49.6	50.1	47.2	52.2	56.6	22.3	64.6	-60.6
CY	-	-	-	-	-	-	-	-	-
LV	1.4	0.7	0.9	0.7	0.6	0.6	0.4	99.0	-35.8
LT	1.1	0.6	0.3	0.2	0.3	0.4	0.2	90.0	-34.0
LU	0.3	0.3	0.3	0.3	0.4	0.5	0.3	100.0	-42.1
HU	8.4	9.7	9.9	7.7	7.6	7.8	4.9	99.4	-37.4
MT	-	-	-	-	-	-	-	-	-
NL	16.4	14.7	15.2	16.9	17.5	19.4	9.2	100.0	-52.6
AT	10.1	8.7	8.7	10.3	12.1	13.3	7.4	86.3	-44.3
PL	26.6	24.1	18.2	17.9	17.4	22.1	12.6	90.8	-43.1
PT	4.8	4.0	3.8	4.1	4.0	5.1	2.6	90.3	-49.3
RO	18.9	11.6	8.0	5.4	5.1	5.9	3.7	100.0	-37.0
SI	0.6	0.7	0.7	0.7	0.6	0.6	0.3	90.9	-40.9
SK	4.2	2.9	2.2	2.3	3.4	4.0	2.1	97.0	-46.1
FI	3.2	3.4	3.5	4.0	4.1	4.9	2.8	98.9	-42.7
SE	6.8	8.2	8.9	11.2	12.7	14.6	8.1	61.1	-44.4
IS	-	-	-	-	-	-	-	-	-
NO	2.4	2.6	2.7	3.2	3.6	3.8	1.8	99.9	-52.7
CH	11.7	12.6	16.1	19.2	20.4	21.7	13.3		-38.6
ME				0.1	0.1	0.1	0.0		-57.6
MK	0.1	0.1	0.1	0.2	0.2	0.1	0.0		-59.7
AL	0.2	0.1	0.1	0.0	0.0	0.0	0.0		-50.0
RS	2.3	1.2	0.7	0.5	0.5	0.3	0.2		-44.9
TR	5.8	5.8	5.0	5.5	4.8	11.1	6.1		-44.9
UK	30.3	38.4	44.6	55.8	66.6	71.8	24.2		-66.3

**NB:** (\*) 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 as of 2014, UIC data.

UK share of PSO excludes Northern Ireland.

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

FR: includes RER trains exploited by RATP and Tramline 4; in 2018 the methodology has changed, data back to 2015 were revised; recalibration of time serie back to 1990.

CH: 2018 data revised. Drop caused by a change in the parameter reporting of a company.

## 2.3.8

## Rail

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

	billion pkm													%		
	BE	CZ	DE	ES	FR	IT	NL	PL	PT	SI	FI	SE	UK	EU-27	EU-28	ANNUAL CHANGE
1990	-	-	-	-	14.92	0.30	-	-	-	-	-	0.01	-	15.2	15.2	
1995	-	-	8.70	1.29	21.43	1.10	-	-	-	-	-	0.42	-	32.9	32.9	7.2
2000	0.87	-	13.93	1.94	34.75	5.09	0.11	-	-	-	0.07	2.05	-	58.8	58.8	11.6
2005	0.98	0.01	20.85	2.32	43.13	8.55	0.69	-	0.49	-	0.31	2.33	0.45	79.7	80.1	5.3
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	104.9	105.9	1.7
2011	0.91	0.29	23.31	11.23	51.37	12.28	0.31	-	0.47	0.01	0.71	2.83	4.36	103.7	108.1	-1.1
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	105.4	109.8	1.7
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	107.3	111.7	1.8
2014	0.91	0.25	24.32	12.79	50.66	12.79	0.24	-	0.54	0.01	0.65	3.23	2.90	106.4	109.3	-0.9
2015	1.20	0.57	25.28	14.13	49.98	12.79	1.00	0.47	0.57	0.01	0.57	3.37	2.90	109.9	112.8	3.3
2016	1.50	0.70	27.21	15.06	50.54	12.79	0.37	1.44	0.61	0.00	0.61	3.48	4.60	114.3	118.9	4.0
2017	1.56	0.77	28.50	15.54	58.28	12.79	0.41	1.44	0.65	0.00	0.68	3.60	4.83	124.2	129.1	8.7
2018	1.56	0.79	31.07	16.13	56.81	12.79	0.40	1.55	0.66	0.00	0.80	3.52	4.83	126.1	130.9	1.5
2019	1.56	0.88	33.20	16.07	59.95	12.79	0.45	1.68	0.70	0.00	0.81	3.90	4.83	132.0	136.8	4.7
2020	0.99	0.54	18.15	5.61	35.80	5.03	0.14	0.76	0.22	0.00	0.33	1.80	-	69.4	-	-47.4

**NB:** 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 (\*\*)

														%	
	BE	CZ	DE	ES	FR	IT	NL	PL	PT	SI	FI	SE	UK	EU-27	EU-28
2000	11.2	-	18.5	9.6	46.4	10.3	0.8	-	-	-	2.1	24.8	-	17.4	15.6
2005	11.5	0.1	27.2	10.7	52.4	17.1	4.5	-	12.9	-	8.9	26.2	1.0	23.4	20.8
2010	10.0	4.1	28.5	52.2	56.2	24.6	1.7	-	12.6	2.1	16.4	26.3	1.8	29.3	25.6
2011	8.5	4.3	27.3	49.3	53.7	26.2	1.7	-	11.0	1.9	18.3	24.8	7.5	28.5	25.6
2012	8.3	3.8	27.9	49.7	53.3	27.4	1.8	-	12.1	1.8	17.5	25.0	7.2	28.7	25.7
2013	8.3	3.3	28.1	53.6	53.4	26.3	1.9	-	12.7	1.6	18.7	25.8	7.0	28.9	25.7
2014	8.3	3.2	26.7	51.0	53.7	25.6	1.2	-	14.0	1.2	16.8	26.6	4.5	28.3	24.8
2015	11.6	7.0	27.6	54.0	52.8	24.5	5.7	2.7	14.4	0.9	13.9	26.4	4.4	28.8	25.2
2016	15.0	8.0	28.9	56.5	53.8	24.5	2.0	7.5	14.4	0.6	15.8	27.2	6.8	29.6	26.2
2017	15.1	8.2	29.8	56.5	58.2	24.0	2.2	7.1	14.5	0.3	15.9	27.0	7.0	31.0	27.5
2018	14.6	7.8	31.6	56.7	58.4	23.0	2.1	7.4	14.5	0.3	17.5	26.0	6.9	31.0	27.4
2019	14.1	8.1	33.1	55.7	58.8	22.6	2.3	7.6	13.8	0.3	16.5	26.7	6.7	31.4	27.8
2020	13.2	8.1	31.4	46.5	60.5	22.6	1.5	6.0	8.7	0.3	11.5	22.1	-	30.5	-



## United States

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	195.4	12.3	563.6	6 100.0
1995	5 702.0	17.3	25.9	219.0	14.7	647.6	6 626.5
2000	6 372.2	24.9	31.1	259.0	17.3	829.8	7 534.3
2005	6 952.4	28.2	31.9	238.2	18.0	921.9	8 190.5
2010	7 131.7	34.6	36.7	469.8	20.8	892.7	8 586.4
2015	7 495.0	36.6	40.1	553.7	23.2	1 017.4	9 166.0
2019	7 876.7	36.8	38.3	613.4	24.8	1 214.2	9 804.2
2020	6 927.1	34.2	20.0	515.3	12.6	489.6	7 998.8

### AVERAGE ANNUAL CHANGE

	% per year						
	PASSENGER CARS (*)	MOTOR- CYCLES	RAILWAY	BUS (**)	LIGHT AND COMMUTER RAIL	AIR	TOTAL
2005	1.0	-8.0	-0.3	2.6	-1.1	4.6	1.4
2010	0.6	-11.1	0.5	-4.3	-2.8	2.6	0.5
2015	2.6	-1.8	-0.3	1.4	0.9	5.9	2.8
2016	2.5	4.3	-0.2	0.7	0.8	4.6	2.6
2017	0.9	-1.4	-2.9	5.4	3.5	3.6	1.4
2018	0.7	-0.4	-3.6	6.2	2.1	5.4	1.6
2019	0.9	-1.9	2.2	-1.8	0.4	4.4	1.2
2020	-12.1	-7.0	-47.9	-16.0	-49.0	-59.7	-18.4
'90/'95	1.5	-2.8	-1.7	2.3	3.5	2.8	1.7
'95/'00	2.2	7.5	3.7	3.4	3.4	5.1	2.6
'00/'10	1.1	3.3	1.7	6.1	1.9	0.7	1.3
'11/'20	-0.3	-0.1	-7.0	1.0	-6.0	-6.7	-0.8

### MODAL SPLIT

	%					
	PASSENGER CARS (*)	MOTOR- CYCLES	RAILWAY	BUS (**)	LIGHT AND COMMUTER RAIL	AIR
1990	86.6	0.3	0.5	3.2	0.2	9.2
1995	86.0	0.3	0.4	3.3	0.2	9.8
2000	84.6	0.3	0.4	3.4	0.2	11.0
2005	84.9	0.3	0.4	2.9	0.2	11.3
2010	83.1	0.4	0.4	5.5	0.2	10.4
2015	81.8	0.4	0.4	6.0	0.3	11.1
2016	81.7	0.4	0.4	5.9	0.2	11.3
2017	81.2	0.4	0.4	6.2	0.3	11.6
2018	80.5	0.4	0.4	6.4	0.3	12.0
2019	80.3	0.4	0.4	6.3	0.3	12.4
2020	86.6	0.4	0.2	6.4	0.2	6.1

NB: Revision of bus data.

(\*) Passenger cars include light duty vehicles, short wheel base and long wheel base.

(\*\*) Bus includes highway busses and transit busses (motor bus, commuter bus, demand response; and trolleybus).

## 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
BE	4.7	105.6	104.0	149.5	469.8	15.9	120.8	314.0	1767.2	672.8	50.9	994.0	15.4
BG	105.7	133.7	98.0	42.5	798.5	0.0	31.7	81.1	197.0	155.4	0.1	184.8	41.8
CZ	109.8	92.5	12.6	53.4	255.0	0.0	45.0	191.8	258.5	295.9	33.7	282.5	12.1
DK	149.0	42.0	51.4	814.3	761.9	27.8	60.4	215.5	708.5	354.7	43.7	268.0	33.2
DE	464.6	792.2	227.9	760.0	5890.1	133.9	499.9	3295.1	6537.5	1914.6	554.2	3248.0	159.6
EE	15.6		0.0	27.4	135.1	24.1	4.2	10.8	9.7	9.1	0.1	21.5	17.2
IE	119.7	31.6	46.6	60.7	493.3	4.2	31.8	71.6	798.0	438.5	20.0	323.7	10.6
EL	370.7	87.9	235.0	219.6	3453.4	10.8	72.7	3819.6	175.1	999.9	5.0	752.5	621.0
ES	1787.3	196.9	252.7	715.4	6611.2	10.1	799.1	164.8	16850.1	4137.4	27.9	3382.7	0.4
FR	638.3	133.1	274.8	330.5	1933.4	9.0	423.6	894.5	3772.9	14398.6	145.8	2695.0	6.1
HR	50.1		25.4	44.1	555.8	0.1	19.8	4.1	27.4	170.2	175.3	29.4	
IT	989.6	183.4	276.1	255.7	3244.5	20.4	317.7	709.8	3361.0	2799.4	29.3	12527.0	10.5
CY	15.3	40.1	5.6	31.4	161.3	17.2	10.6	571.5	0.4	13.3	0.1	10.5	0.0
LV	32.7	0.1	21.7	70.9	307.5	87.8	60.1	16.4	37.9	41.8	4.3	64.8	21.5
LT	21.2	1.7	0.2	97.7	162.4	20.9	79.4	30.4	46.6	55.2	1.3	80.7	28.6
LU	0.3	6.9	0.5	11.1	143.8		17.6	30.4	202.2	133.3	3.6	117.1	0.2
HU	117.0	11.8	46.0	54.8	521.0	0.1	84.8	132.4	231.8	207.4	1.0	315.6	37.3
MT	63.2	20.8	9.3	14.5	226.6	3.7	31.0	27.0	87.0	126.5	0.3	336.0	6.0
NL	99.9	213.2	238.1	570.1	1324.8	28.2	432.0	624.8	2426.0	1189.2	136.0	1437.4	15.9
AT	147.3	149.5	33.4	179.3	1918.0	20.7	68.9	464.7	534.4	333.8	71.2	480.4	83.6
PL	246.0	220.1	59.8	237.7	1231.3	47.0	415.5	629.5	635.8	422.3	87.2	788.5	94.1
PT	543.4	2.3	27.5	87.3	1748.7	0.3	236.6	22.1	1457.6	2908.6	0.6	651.5	0.2
RO	219.6	7.5	23.8	76.8	965.4		107.6	171.5	547.5	437.6	0.1	875.0	47.2
SI	20.8	0.0	0.1	0.1	63.2	0.1		23.2	0.1	26.6	0.3	0.1	
SK	8.5	17.1	17.9	0.2	3.6	0.0	35.9	28.4	4.7	6.2	3.8	32.5	15.1
FI	62.9	0.3	44.6	171.6	551.7	99.6	18.8	24.8	406.4	165.0	2.1	76.0	4.2
SE	129.2	0.1	49.5	434.0	841.9	58.6	36.8	89.5	868.1	294.9	30.4	115.6	11.5

NB: (\*) 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

2020

### INCLUDING DOMESTIC FLIGHTS (1 000)

LV	LT	LU	HU	MT	NL	AT	PL	PT	RO	SI	SK	FI	SE
32.8	21.4	0.5	117.4	63.2	96.7	139.8	246.3	543.5	219.0	20.9	8.8	63.4	129.7
0.1	1.7	4.2	12.8	21.0	212.9	148.4	219.0	2.3	7.5	0.0	17.2	0.3	0.0
22.5	1.6	0.5	50.5	8.8	228.0	36.7	61.3	25.9	25.1	4.1	21.1	44.9	49.2
70.7	98.2	11.2	54.6	13.2	570.1	179.0	237.5	84.2	76.7	0.0	0.0	174.2	438.4
304.9	159.7	143.8	519.1	229.0	1 318.9	1 909.6	1 247.7	1 731.7	994.6	62.9	3.3	553.5	857.1
87.6	21.0		0.1	3.7	28.2	20.7	47.0	0.3		0.3		93.2	58.1
60.0	80.6	17.8	84.9	31.1	432.6	68.5	414.8	236.5	108.6		36.6	18.6	37.0
17.8	33.6	42.9	140.7	27.7	734.1	472.8	628.6	24.8	187.1	55.1	29.6	26.2	93.1
38.1	46.9	208.4	230.3	86.9	2 433.6	533.9	636.5	1 420.1	535.9	0.1	4.7	407.3	922.6
42.9	53.4	133.3	210.0	126.9	1 184.8	332.7	380.6	2 625.0	422.1	26.4	6.3	163.3	291.8
4.3	1.1	3.7	1.1	0.3	135.2	70.1	88.2	0.5	0.4	0.3	2.7	2.2	30.1
62.8	76.7	118.3	314.9	336.8	1 420.8	478.4	781.6	647.2	874.0	0.2	32.5	79.0	103.1
19.1	29.0	0.2	35.6	10.2	17.8	83.5	92.7	0.2	46.9	0.0	15.3	4.1	9.4
3.9	94.2		6.2	7.8	85.5	50.6	42.8	3.6		0.1	2.2	106.0	65.9
94.1	1.2	0.2	0.1	7.1	73.2	23.0	71.9	0.4	0.0	0.0	0.0	31.8	29.0
0.0	0.001	0.6	10.1	14.9	62.2	37.7	11.0	387.1	0.3		0.0	1.2	8.9
6.3		10.2	0.7	32.0	250.8	13.6	86.6	67.1	46.3	0.2	0.1	44.9	84.0
7.6	7.1	15.1	31.8	0.0	43.9	49.9	81.3	24.6	13.9	1.0	6.6	0.1	8.9
85.2	73.2	62.3	249.9	44.2	5.0	500.6	674.0	865.8	254.3	11.3	6.0	265.3	491.9
50.8	23.7	37.8	13.9	50.1	518.0	144.1	132.5	142.0	151.8	0.2	16.3	58.7	117.8
42.6	72.0	10.8	86.5	81.6	674.5	132.4	682.6	104.9	57.1	10.0	7.1	80.9	378.7
3.7	0.4	392.3	67.2	24.6	869.3	142.2	105.1	1 885.1	27.6	0.0	0.1	44.8	71.8
0.0	0.0	0.3	28.1	14.0	253.7	150.3	58.2	27.8	436.5	0.0	0.0	13.3	89.3
0.0	0.0		0.1	1.0	13.1	0.0	10.0	0.0	0.0	0.0	0.0	0.1	0.0
0.2	0.0	0.0	0.0	6.6	6.0	16.3	7.3	0.1	0.2	0.0	0.5	0.2	3.2
105.6	32.0	1.2	37.8	0.1	264.7	58.7	81.0	44.5	13.6	0.0	0.2	1 014.8	407.2
66.0	29.4	9.0	83.9	9.1	492.0	117.7	379.7	70.5	89.3	0.0	3.0	407.0	2 033.4

2.4.2

**Air**  
**MAJOR EUROPEAN AIRLINES**

**DOMESTIC + INTERNATIONAL**

RANKING	BILLION REVENUE PASSENGER-KILOMETRES							%	
	AIRLINE		2000	2005	2010	2015	2019		2020
1	EasyJet <sup>(1)</sup>	UK	3.926	27.448	56.128	77.619	107.741	58.914	-45.3
2	Turkish Airlines	TR	17.396	21.318	47.950	119.372	153.186	53.249	-65.2
3	Air France <sup>(2)</sup>	FR	91.848	115.163	125.165	142.487	154.033	47.339	-69.3
4	Lufthansa	DE	92.160	108.185	129.668	146.317	175.719	40.064	-77.2
5	British Airways	UK	119.385	107.892	106.082	142.016	155.580	39.117	-74.9
6	Ryanair <sup>(3)</sup>	IE	4.772	31.205	72.149	130.564	182.556	34.982	-80.8
7	KLM Royal Dutch Airlines <sup>(2)</sup>	NL	60.336	68.322	76.065	93.228	109.476	33.873	-69.1
8	TUI Group <sup>(4)</sup>	UK	25.886	50.575	52.903	67.306	71.801	31.067	-56.7
9	Pegasus	TR			10.662	21.223	35.064	17.867	-49.0
10	Iberia	ES	40.049	49.060	51.242	48.569	63.991	17.757	-72.3
11	Wizz Air	HU			12.278	30.786	65.698	15.932	-75.8
12	SAS	SE	22.922	27.724	23.497	33.780	39.375	14.127	-64.1
13	Norwegian	NO		2.703	13.774	42.284	86.616	13.680	-84.2
14	SWISS	CH	3.481	21.164	29.522	40.047	53.120	13.069	-75.4
15	TAP Air Portugal	PT	10.414	14.536	23.651	29.552	42.065	11.876	-71.8
16	Vueling Airlines	ES		1.661	9.932	24.775	33.410	9.179	-72.5
17	Air Europa	ES	8.831	13.442	17.180	22.502	30.691	9.074	-70.4
18	Finnair	FI	12.587	16.735	19.222	25.592	38.534	8.150	-78.8
19	Virgin Atlantic Airways	UK	31.315	32.118	38.158	37.157	39.644	7.793	-80.3
20	Condor	DE		22.245	19.888	27.903	31.995	7.642	-76.1
21	Eurowings	DE		4.519	6.966	15.870	26.599	7.501	-71.8
22	SunExpress	TR	1.969	3.938	10.840	12.210	17.139	6.246	-63.6
23	Jet2	UK		3.105	6.219	12.222	32.047	6.072	-81.1
24	Brussels Airlines	BE	3.418	4.559	7.313	11.833	17.928	4.428	-75.3
25	Austrian	AT	17.967	22.894	17.494	18.190	23.050	4.412	-80.9
26	Aer Lingus	IE	8.808	12.563	13.895	17.531	24.753	4.056	-83.6
27	Corsair	FR		12.623	9.980	8.971	8.596	3.700	-57.0
28	Edelweiss Air	CH	0.900	1.879	2.799	4.119	10.820	3.248	-70.0
29	French Bee	FR					4.276	2.227	-47.9
30	Icelandair	IS	4.113	4.307	4.093	9.211	13.673	2.104	-84.6

NB: Scheduled and non-scheduled flights.

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

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

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

(4) TUI Group includes: TUI UK, TUIfly, TUI Airlines Netherlands, TUIfly Belgium and TUIfly Nordic.

(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	(arriving + departing + in transit)		MILLION PASSENGERS						%
	AIRPORT		2000	2005	2010	2015	2019	2020	CHANGE '19/'20
1	Paris / Charles de Gaulle	FR	64.29	53.38	57.93	65.67	76.14	22.24	-70.8
2	Amsterdam / Schiphol	NL	39.27	44.08	45.15	58.17	71.69	20.88	-70.9
3	Frankfurt (Main)	DE	48.96	51.79	52.65	60.89	70.44	18.74	-73.4
4	Madrid / Barajas	ES	24.38	41.72	49.80	46.30	59.75	16.49	-72.4
5	Barcelona / El Prat	ES	14.39	27.02	29.18	39.42	51.73	12.44	-76.0
6	München	DE	22.87	28.45	34.52	40.86	47.89	11.09	-76.8
7	Paris / Orly	FR	23.83	24.85	25.16	29.66	31.85	10.78	-66.1
8	Roma / Fiumicino	IT	25.94	27.78	35.95	40.23	43.40	9.77	-77.5
9	Lisboa	PT	9.21	11.24	14.05	20.11	31.19	9.27	-70.3
10	Athinai / Eleftherios Venizelos	EL	13.35	14.34	15.39	18.09	25.57	8.77	-65.7
11	Wien / Schwechat	AT	11.92	15.80	19.62	22.74	31.63	7.85	-75.2
12	København / Kastrup	DK	18.11	19.82	21.39	26.51	30.12	7.49	-75.1
13	Dublin	IE	13.66	18.33	18.41	24.92	32.65	7.26	-77.8
14	Milano / Malpensa	IT	20.55	19.49	18.71	18.44	28.71	7.21	-74.9
15	Brussel-Bruxelles / Brussels	BE	21.60	15.95	16.98	23.27	26.29	6.71	-74.5
16	Düsseldorf	DE	15.91	15.39	18.91	22.45	25.48	6.56	-74.2
17	Stockholm / Arlanda	SE	18.61	17.16	16.96	23.15	25.63	6.53	-74.5
18	Palma de Mallorca	ES	16.87	21.22	21.08	23.72	29.62	6.10	-79.4
19	Warszawa / Chopina	PL	4.33	7.08	8.73	11.21	18.87	5.47	-71.0
20	Helsinki / Vantaa	FI	10.00	11.13	12.86	16.42	22.05	5.08	-76.9
21	Las Palmas / Gran Canaria	ES	7.66	9.69	9.28	10.44	13.10	5.08	-61.2
22	Malaga	ES	8.26	12.61	12.02	14.36	19.60	5.07	-74.1
23	Nice / Côte d'Azur	FR	9.33	9.74	9.59	12.01	14.47	4.57	-68.4
24	Hamburg	DE	9.82	10.57	12.88	15.58	17.27	4.56	-73.6
25	Porto	PT	2.73	3.11	5.28	8.09	13.19	4.45	-66.3
26	Budapest / Ferihegy	HU	4.68	7.92	8.17	10.23	16.10	3.84	-76.1
27	Bergamo / Orio Al Serio	IT	1.24	4.29	7.66	10.40	13.84	3.83	-72.3
28	Alicante	ES	5.29	8.93	9.37	10.56	15.00	3.72	-75.2
29	Praha / Ruzyne	CZ	5.55	10.72	11.51	11.87	17.84	3.65	-79.5
30	Catania / Fontanarossa	IT	3.97	5.17	6.30	7.09	10.20	3.65	-64.2

**NB:** (\*) '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

### PASSENGERS CARRIED

RANKING	(arriving + departing from first named airport) 1 000					%	
	AIRPORT PAIRS	2005	2010	2015	2019		2020
1	Paris / Orly - Nice / Côte d'Azur	2 262.6	2 100.3	2 112.9	2 059.1	833.9	-59.5
2	Palma De Mallorca - Barcelona	1 689.3	1 532.5	1 576.1	2 173.9	820.7	-62.2
3	Palma de Mallorca - Madrid / Barajas	1 641.5	1 698.9	1 411.2	1 995.1	793.8	-60.2
4	Madrid / Barajas - Barcelona	4 358.3	3 083.8	2 251.7	2 572.9	754.1	-70.7
5	Paris / Charles de Gaulle - Nice / Côte d'Azur	909.2	789.0	806.1	1 125.6	744.2	-33.9
6	Toulouse / Blagnac - Paris / Orly	2 327.1	2 193.7	2 318.1	2 217.9	736.9	-66.8
7	Ponte-à-Pitre (Guadeloupe) / Pôle Caraïbes - Paris / Orly	987.6	1 033.8	1 159.6	1 431.5	723.7	-49.4
8	Catania / Fontanarossa - Roma / Fiumicino	1 368.7	1 717.8	1 987.7	1 826.9	649.4	-64.5
9	Las Palmas / Gran Canaria - Madrid / Barajas	1 388.1	1 553.7	1 305.7	1 659.1	638.1	-61.5
10	Aime Cesaire (Martinique) - Paris / Orly	934.5	954.4	1 001.0	1 215.2	626.0	-48.5
11	Tenerife Norte - Madrid / Barajas	1 359.4	1 319.7	1 149.5	1 493.8	617.7	-58.6
12	Frankfurt (Main) - Berlin / Tegel	1 545.6	1 609.4	1 906.1	2 249.7	572.4	-74.6
13	Athinai / Eleftherios Venizelos - Thessaloniki	1 054.3	1 176.3	1 639.5	1 354.9	551.9	-59.3
14	Palermo / Punta Raisi - Roma / Fiumicino	1 106.7	1 406.8	1 476.9	1 582.1	551.4	-65.2
15	München - Hamburg	1 450.5	1 653.0	1 811.0	1 739.9	537.0	-69.1
16	Toulouse / Blagnac - Paris / Charles de Gaulle	665.7	754.4	891.2	1 001.4	520.7	-48.0
17	Milano / Malpensa - Catania / Fontanarossa	308.4	543.5	380.2	1 265.3	509.1	-59.8
18	Athinai / Eleftherios Venizelos - Iraklion	778.6	798.6	734.5	1 008.6	504.1	-50.0
19	Amsterdam / Schiphol - Paris / Charles de Gaulle	1 038.7	990.2	1 137.2	1 239.8	494.1	-60.1
20	Roland Garros (La Réunion) - Paris / Orly	595.8	532.5	693.2	981.3	482.8	-50.8
21	Ibiza - Barcelona	843.0	737.1	938.8	1 206.3	473.5	-60.7
22	Tenerife Norte - Las Palmas / Gran Canaria	655.3	646.1	604.6	1 001.2	473.3	-52.7
23	Lisboa - Paris / Orly	556.2	604.7	1 045.1	1 304.7	471.4	-63.9
24	Lanzarote (Canaria) - Las Palmas / Gran Canaria	551.8	534.8	525.6	804.0	461.9	-42.6
25	Madrid / Barajas - Paris / Orly	964.3	1 105.9	1 169.1	1 361.6	460.8	-66.2
26	München - Berlin / Tegel	1 419.2	1 580.0	1 975.2	1 934.2	443.1	-77.1
27	Athinai / Eleftherios Venizelos - Larnaka	801.8	831.0	673.9	1 110.6	427.3	-61.5
28	Düsseldorf - München	1 381.5	1 533.4	1 552.1	1 488.1	425.1	-71.4
29	Lisboa - Madrid / Barajas	742.3	1 172.0	1 175.2	1 559.3	415.5	-73.4
30	La Palma (Canaria) - Tenerife Norte	588.0	574.8	502.5	760.2	408.2	-46.3

NB: Istanbul / Ataturk airport was closed in course of 2019 and has been replaced by Istanbul / Havalimani airport.

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

### TOTAL PASSENGERS CARRIED

RANKING	(arriving + departing from first named airport) 1 000					%	
	AIRPORT PAIRS	2005	2010	2015	2019	2020	CHANGE '19/'20
1	Amsterdam / Schiphol - London / Heathrow, UK	1 894	1 333	1 549	1 748	525	-69.9
2	Madrid / Barajas - London / Heathrow, UK	1 073	1 089	1 321	1 476	454	-69.2
3	Dublin - London / Heathrow, UK	2 086	1 491	1 683	1 856	445	-76.0
4	Paris / Charles de Gaulle - Dubai Intl, United Arab Emirates	439	716	1 077	1 186	417	-64.8
5	København / Kastrup - Oslo / Gardermoen, Norway	1 247	1 132	1 423	1 479	410	-72.3
6	Frankfurt (Main) - London / Heathrow, UK	1 523	1 260	1 523	1 541	409	-73.5
7	Paris / Charles de Gaulle - London / Heathrow, UK		1 313	1 282	1 255	373	-70.3
8	Paris / Charles de Gaulle - Montreal / Pierre Elliot Trudeau Intl, Canada	929	1 148	1 147	1 247	364	-70.8
9	Berlin / Tegel - Zürich, Switzerland	467	801	986	1 165	354	-69.6
10	Paris / Charles de Gaulle - New York / J.F. Kennedy Intl, NY, USA	1 730	1 190	1 503	1 636	352	-78.5
11	Amsterdam / Schiphol - Manchester, UK	592	442	858	1 070	349	-67.4
12	Dublin - London / Gatwick, UK	626	843	1 087	1 348	342	-74.6
13	Amsterdam / Schiphol - Dubai Intl, United Arab Emirates	231	434	775	1 014	326	-67.9
14	Frankfurt (Main) - Dubai Intl, United Arab Emirates	491	679	903	960	325	-66.2
15	Amsterdam / Schiphol - Istanbul / Havalimani, Turkey				839	322	-61.7
16	Paris / Charles de Gaulle - Istanbul / Havalimani, Turkey				758	318	-58.0
17	München - London / Heathrow, UK	914	970	1 225	1 261	315	-75.0
18	Stockholm / Arlanda - Oslo / Gardermoen, Norway	937	1 007	1 336	1 379	309	-77.6
19	Amsterdam / Schiphol - Atlanta / Hartfield Jackson Intl, GA, USA	253	345	777	809	307	-62.0
20	Athinaí / Eleftherios Venizelos - London / Heathrow, UK		777	694	743	306	-58.8
21	Amsterdam / Schiphol - Zürich, Switzerland	549	612	761	979	306	-68.7
22	Roma / Fiumicino - London / Heathrow, UK	971	1 031	969	930	304	-67.3
23	Lisboa - London / Heathrow, UK	622	730	768	943	301	-68.1
24	Porto - Geneva, Switzerland	76	324	545	694	294	-57.6
25	Amsterdam / Schiphol - Hato, Curaçao	271	392	459	557	289	-48.2
26	Barcelona - London / Gatwick, UK	556	377	1 354	1 588	285	-82.1
27	Frankfurt (Main) - Istanbul / Havalimani, Turkey					282	-
28	Madrid / Barajas - Mexico, Mexico	454	520	599	883	268	-69.6
29	Amsterdam / Schiphol - London / Gatwick, UK	596	556	1 030	1 097	263	-76.0
30	Lisboa - Geneva, Switzerland	188	377	531	629	262	-58.3

NB: Istanbul / Ataturk airport was closed in course of 2019 and has been replaced by Istanbul / Havalimani airport.

## 2.4.5

# Air – FREIGHT TRAFFIC AT MAJOR EU AIRPORTS

## CARGO AND MAIL LOADED AND UNLOADED

RANKING	1 000 TONNES							CHANGE '19/'20
	AIRPORT	2000	2005	2010	2015	2019	2020	
1	Frankfurt / Main DE	1703.4	1950.6	2270.2	2075.7	2089.3	1911.3	-8.5
2	Paris / Charles de Gaulle FR	<i>1067.0</i>	1217.8	1290.9	2090.6	2096.3	1740.0	-17.0
3	Amsterdam / Schiphol NL	1222.5	1495.6	1538.0	1655.3	1592.2	1455.4	-8.6
4	Leipzig - Halle DE	13.7	12.3	637.8	982.5	1227.3	1377.4	12.2
5	Liège BE	270.3	325.7	508.5	625.3	808.5	1026.4	26.9
6	Luxembourg LU	499.9	624.8	705.8	736.9	853.0	905.3	6.1
7	Köln-Bonn DE	438.3	646.8	638.2	739.5	799.1	841.7	5.3
8	Milano / Malpensa IT	295.7	383.8	432.7	511.2	558.1	516.5	-7.5
9	Brussel-Bruxelles / Brussels BE	687.4	694.5	385.0	483.1	561.5	511.9	-8.8
10	Madrid / Barajas ES	280.4	360.3	400.5	382.6	511.2	371.1	-27.4
11	Frankfurt / Hahn DE	75.0	100.9	164.5	73.2	142.4	203.4	42.8
12	København / Kastrup DK	419.4	355.1	138.1	196.6	226.2	159.9	-29.3
13	Wien / Schwechat AT	65.9	180.0	231.8	209.1	220.8	154.7	-30.0
14	München DE	148.4	218.2	291.1	336.0	350.0	150.3	-57.0
15	Helsinki / Vantaa FI	96.1	114.8	157.5	177.4	221.5	142.7	-35.6
16	Maastricht / Aachen NL	44.3	54.6	62.0	56.6	111.4	136.0	22.1
17	Dublin IE	35.5	64.1	105.3	137.3	133.2	123.2	-7.5
18	Lisboa PT	114.6	100.0	105.2	100.8	154.3	96.0	-37.8
19	Barcelona ES	75.5	94.5	105.9	102.2	143.1	94.0	-34.4
20	Zaragoza ES	3.2	3.8	42.1	65.1	111.3	90.1	-19.0
21	Budapest / Liszt HU	43.5	55.5	65.3	65.8	95.6	88.9	-7.0
22	Stockholm / Arlanda SE	154.0	158.0	99.4	90.7	93.5	86.7	-7.4
23	Warszawa / Chopina PL	44.6	31.1	57.1	72.3	114.1	82.1	-28.1
24	Roma / Fiumicino IT	153.3	131.9	164.4	145.0	194.5	76.0	-60.9
25	Athinai / Eleftherios Venizelos EL	123.4	101.4	84.0	58.1	103.0	71.1	-31.0
26	Paris / Orly FR	107.3	80.0	53.8	126.3	98.5	62.2	-36.8
27	Praha / Ruzyně CZ		51.6	58.2	50.5	85.4	52.6	-38.4
28	Marseille / Provence FR	36.0	51.0	58.6	55.2	61.1	52.3	-14.5
29	Bergamo / Orio al Serio IT		135.1	105.8	121.0	119.0	51.5	-56.7
30	Toulouse / Blagnac FR	37.8	56.2	52.2	61.0	65.3	48.9	-25.0

**NB:** 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					CHANGE '19/'20
	AIRPORT		2005	2010	2015	2019	2020	
1	Amsterdam / Schiphol	NL	408.2	390.4	455.2	496.0	222.8	-55.1
2	Frankfurt / Main	DE	475.6	456.0	460.5	506.9	206.2	-59.3
3	Paris / Charles de Gaulle	FR	543.8	477.9	468.5	494.8	205.9	-58.4
4	Madrid / Barajas	ES	406.3	426.9	357.7	408.4	154.0	-62.3
5	München	DE	382.3	368.2	365.7	402.2	135.7	-66.3
6	Barcelona	ES	294.3	268.5	279.0	331.1	114.1	-65.5
8	Athinai / Eleftherios Venizelos	EL	170.4	181.6	167.9	220.2	110.0	-50.0
7	Roma / Fiumicino	IT	299.6	327.3	311.8	310.5	102.5	-67.0
9	København / Kastrup	DK	262.1	240.6	250.2	257.5	95.1	-63.1
10	Wien / Schwechat	AT	227.5	243.0	224.8	264.1	94.1	-64.4
11	Milano / Malpensa	IT	222.2	187.8	154.6	229.1	90.6	-60.5
12	Lisboa	PT	125.9	136.9	162.8	219.1	87.3	-60.1
13	Brussel-Bruxelles / Brussels	BE	228.7	205.2	221.1	222.3	85.7	-61.4
14	Paris / Orly	FR	231.0	215.5	231.3	218.4	82.9	-62.1
15	Stockholm / Arlanda	SE	222.2	185.4	216.9	225.6	80.7	-64.2
16	Dublin	IE	169.6	156.4	188.8	229.1	80.5	-64.9
17	Düsseldorf	DE	189.0	211.4	202.8	216.9	71.8	-66.9
18	Warszawa / Chopina	PL	131.1	133.0	136.4	184.2	71.5	-61.2
19	Palma De Mallorca	ES	170.5	165.2	170.0	207.2	69.5	-66.5
20	Köln-Bonn	DE	139.9	120.6	114.8	130.8	69.0	-47.3
21	Helsinki / Vantaa	FI	163.1	169.9	165.3	187.0	67.0	-64.2
22	Gran Canaria	ES	98.4	93.2	89.9	117.2	59.5	-49.3
23	Nice / Côte d'Azur	FR	158.1	132.1	139.8	148.2	58.7	-60.4
24	Berlin / Tegel	DE	137.2	150.5	177.9	188.4	57.2	-69.6
25	Leipzig / Halle	DE	30.2	57.2	58.5	70.2	56.4	-19.7
26	Hamburg	DE	134.2	138.4	142.1	140.3	51.5	-63.3
27	Malaga / Costa del Sol	ES	111.1	97.3	101.0	134.6	51.1	-62.0
28	Bucuresti / Henri Coanda	RO	90.2	128.1	90.8	117.2	46.2	-60.6
29	Lyon / Saint-Exupéry	FR	130.1	115.4	105.0	113.0	42.5	-62.3
30	Tenerife Norte	ES	53.2	56.1	46.2	71.2	42.5	-40.3
31	Porto	PT	45.3	54.6	68.6	96.9	42.3	-56.4
32	Marseille / Provence	FR	90.3	95.9	89.8	96.2	42.0	-56.4
33	Praha / Ruzyně	CZ	150.2	147.9	120.1	141.2	41.9	-70.3
34	Budapest / Liszt Ferenc	HU	116.7	99.6	86.0	113.8	41.2	-63.8
35	Stuttgart	DE	135.0	111.7	105.0	120.8	40.4	-66.5
36	Berlin / Brandenburg	DE	46.5	65.5	67.5	83.2	36.6	-56.0
37	Bergamo / Orio Al Serio	IT	47.8	65.3	74.3	91.7	36.1	-60.6
38	Toulouse / Blagnac	FR	80.2	80.4	81.1	88.6	35.3	-60.2
39	Alicante	ES	70.2	72.0	72.2	99.1	35.2	-64.4
40	Luxembourg	LU	51.4	45.6	52.6	67.0	34.0	-49.2

## 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		
	2018	2019	2020	2018	2019	2020	2018	2019	2020
<b>EU-27</b>	198570	201545	114466	6881	7 194	649			
<b>EU-28</b>	210711	213098		7986	8 284				
BE	166	155	19	396	397	15			
BG	0	1	1				0	1	
CZ	-	-	-	-	-	-	-	-	-
DK	21743	21924	15470	204	209		681	672	0
DE	14118	14138	8106	1186	1318	56			
EE	7384	7498	4310	6	13		652	676	1
IE	1366	1328	404	20	22		378	388	2
EL	36041	36715	20452	236	265	8			
ES	14441	15406	6945	1677	1788	253	7848	9428	894
FR	12524	12029	5160	423	421	111	3798	3981	420
HR	16523	17063	9388	34	40	1	1316	1434	7
IT	40278	40761	27457	2495	2403	182	4150	3838	229
CY	13	15		1	13	3			
LV	521	522	224				77	70	
LT	154	165	143				70	68	
LU	-	-	-	-	-	-	-	-	-
HU	-	-	-	-	-	-	-	-	-
MT	5758	5918	3774	79	136	0			
NL	996	998	533						
AT	-	-	-	-	-	-	-	-	-
PL	1360	1409	956	0	0	0			
PT	349	370	417	30	41	6	683	712	149
RO									
SI	12	13	0				109	118	
SK	-	-	-	-	-	-	-	-	-
FI	9670	9642	3696	9	16	13	533	626	13
SE	15151	15476	7010	85	112	0	590	699	36
IS	403	414	255		0		436	369	76
NO	2923	3012	927	8	32	3	646	563	2
ME	45	43	0						3
TR	624	751	160	64		0			
UK	12141	11553		1105	1090				

## 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		
	2018	2019	2020	2018	2019	2020
<b>EU-27</b>	197 388	200 872	114 070	6 659		
<b>EU-28</b>	209 714	212 651		7 762		
BE	169	156	21	396	384	15
BG	3	4	2		0	
CZ	-	-	-	-	-	-
DK	21 621	21 880	15 389	206	213	
DE	14 229	14 627	8 157	1 154	1 329	54
EE	7 440	7 535	4 313	6	13	
IE	1 344	1 316	410	21	22	
EL	36 003	36 685	20 427	240	266	8
ES	14 388	15 334	6 862	1 667	1 796	222
FR	12 359	11 798	5 076	426	418	98
HR	16 068	17 000	9 390	33	39	1
IT	40 278	40 751	27 383	2 331	2 615	125
CY	13	15		1	11	2
LV	542	550	242			
LT	169	178	166			
LU	-	-	-	-	-	-
HU	-	-	-	-	-	-
MT	5 758	5 918	3 774	77	135	0
NL	984	1 011	435			
AT	-	-	-	-	-	-
PL	1 360	1 378	948	0	0	0
PT	349	371	418	29	41	5
RO						
SI	12	13	0			
SK	-	-	-	-	-	-
FI	9 552	9 530	3 647	0		
SE	14 746	14 823	7 010	72	112	0
IS	403	414	255			
NO	3 244	3 354	967	3	6	1
ME	54	46	0			
TR	618	861	146	77		
<b>UK</b>	12 326	11 779		1 103	1 082	

## 2.4.8 Sea – PASSENGER TRAFFIC AT MAJOR EU SEAPORTS

### PASSENGERS EMBARKED AND DISEMBARKED

RANKING	PORT		1 000					CHANGE '19/'20
			2005	2010	2015	2019	2020	
1	Messina	IT	9802	10765	7021	11669	7737	-34
2	Reggio di Calabria	IT	9645	9891	6053	10884	7528	-31
3	Paloukia Salaminas	EL	11663	12705	7050	6939	5730	-17
4	Perama	EL	11663	12705	7050	6939	5730	-17
5	Napoli	IT	6084	8356	6484	9257	5318	-43
6	Helsinki	FI	8854	9849	11214	11619	4754	-59
7	Peiraias	EL	11076	10944	8169	9331	4370	-53
8	Tallinn	EE	6701	7523	9299	9961	4331	-57
9	Cirkewwa	MT	3463	4031	4740	5918	3774	-36
10	Mgarr, Gozo	MT	3463	4031	4740	5918	3774	-36
11	Palma Mallorca	ES	4817	4496	5496	7848	3726	-53
12	Helsingborg	SE	11102	8540	7670	7153	3562	-50
13	Helsingør (Elsinore)	DK	11023	8534	7644	7105	3548	-50
14	Calais	FR	11695	10237	9757	8478	3269	-61
15	Santa Cruz de Tenerife	ES	4249	4110	4320	5448	2964	-46
16	Capri	IT	3860	6517	4355	4796	2714	-43
17	Ischia (¹)	IT	3169	2589	2769	4788	2645	-45
18	Piombino	IT	3277	3477	3517	2827	2594	-8
19	Split	HR	3267	3523	3992	4958	2523	-49
20	Sjællands Odde	DK	2310	1777	2690	3493	2506	-28
21	Århus	DK	1710	1284	2532	3385	2436	-28
22	Isola d'Elba (²)	IT	2829	2769	2945	2641	2384	-10
23	Rødby (Færgenhavn)	DK	6761	6261	6139	5483	2331	-57
24	Puttgarden	DE	6760	6261	6141	6007	2329	-61
25	Olbia	IT	3253	3863	2598	3200	2087	-35
26	Ystad	SE	1815	1770	1983	2335	2018	-14
27	Stockholm	SE	8211	9147	9887	8349	1906	-77
28	Esbjerg	DK	1796	1790	1631	1824	1810	-1
29	Nordby Havn, Fanø	DK	1709	1667	1631	1824	1810	-1
30	Livorno	IT	2103	2782	2001	2941	1743	-41
31	Norddeich	DE	2257	2287	2497	2648	1688	-36
32	Rønne	DK	1464	1385	1490	1860	1616	-13
33	Zadar	HR	1924	2145	1873	2319	1609	-31
34	Trapani	IT	865	871	1221	1249	1559	25
35	Algeciras	ES	4829	4663	5519	6148	1546	-75
36	Egadi (³)	IT	655	900	1040	1099	1467	33
37	Norderney	DE	1990	2093	2162	2326	1460	-37
38	Preko	HR	1266	1495	1617	1921	1418	-26
39	Genova	IT	2406	2991	2344	2881	1410	-51
40	Kuivastu	EE		1299	1535	1774	1409	-21

**NB:** The three Italian ports Ischia (containing Casamicciola, Forio and Porto D'Ischia), Isola d'Alba (containing Cavo, Porto Azzuro, Portoferraio and Rio Marina) and Egadi (containing Favignana, Levanzo and Marettimo) started reporting data as statistical ports in 2019.

(¹) Data up to 2018 for Porto D'Ischia

(²) Data up to 2018 for Portoferraio

(³) Data up to 2018 for Favignana.

## Sea – FREIGHT TRAFFIC AT MAJOR EU SEAPORTS

2.4.9

### TONNES LOADED AND UNLOADED

RANKING	PORT		MILLION					% CHANGE '19/'20
			2005	2010	2015	2019	2020	
1	Rotterdam	NL	345.8	395.8	436.9	439.6	409.2	-6.9
2	Antwerpen	BE	145.8	160.0	190.1	214.0	206.3	-3.6
3	Hamburg	DE	108.3	104.5	120.2	117.2	109.2	-6.8
4	Amsterdam	NL	69.3	89.9	98.8	103.9	89.5	-13.9
5	Algeciras	ES	55.2	58.6	79.4	89.9	88.5	-1.6
6	Marseille	FR	93.3	82.4	77.5	74.1	71.6	-3.3
7	Valencia	ES	35.0	53.1	57.6	65.3	65.6	0.5
8	Trieste	IT	43.4	40.6	49.1	60.3	57.8	-4.1
9	Peiraia	EL	18.7	13.1	38.3	56.8	52.4	-7.8
10	Le Havre	FR	70.8	65.8	62.9	60.2	49.0	-18.5
11	Barcelona	ES	37.1	35.3	38.0	54.7	48.8	-10.8
12	Bremerhaven	DE	33.7	45.9	49.8	47.6	46.6	-2.1
13	Genova	IT	42.6	41.4	43.4	49.7	44.2	-11.1
14	Klaipeda	LT	20.0	28.9	34.4	42.7	43.7	2.3
15	Gdansk	PL	22.5	26.4	31.7	45.5	40.6	-10.9
16	Constanta	RO	44.4	30.4	36.3	42.2	39.4	-6.5
17	Sines	PT	24.9	24.7	41.2	38.9	38.9	-0.1
18	Göteborg	SE	36.5	42.9	37.8	38.9	38.5	-1.1
19	Dunkerque	FR	48.5	36.3	36.9	42.6	35.1	-17.6
20	Zeeland Seaports	NL			33.6	38.9	34.3	-11.8
21	Cartagena	ES	26.7	19.0	32.4	33.9	32.6	-4.0
22	Zeebrugge	BE	28.4	33.9	23.8	29.0	31.7	9.4
23	Livorno	IT	24.0	22.7	29.3	36.3	30.8	-15.0
24	Gent (Ghent)	BE	22.1	27.6	26.1	33.3	29.4	-11.7
25	Huelva	ES	20.9	22.1	27.2	33.3	29.3	-11.9
26	Bilbao	ES	32.2	32.4	31.0	33.9	28.3	-16.3
27	Wilhelmshaven	DE	46.0	24.7	27.4	28.9	27.8	-3.7
28	Nantes Saint-Nazaire	FR	34.0	30.6	24.9	30.2	27.6	-8.5
29	Ravenna	IT	24.3	22.2	25.3	31.3	27.1	-13.5
30	Tarragona	ES	30.7	32.1	32.8	32.6	26.2	-19.5
31	Dublin	IE	19.2	19.5	22.2	26.3	25.2	-4.3
32	Venezia	IT	30.5	26.2	25.1	27.9	24.3	-13.2
33	Gioia Tauro	IT	29.6	35.4	26.1	22.7	24.2	6.5
34	Rouen	FR	21.6	26.5	22.3	23.3	23.4	0.2
35	Sköldvik	FI	17.4	20.5	20.6	25.2	23.3	-7.4
36	Agioi Theodoroi	EL	13.0	17.4	23.4	25.4	23.1	-9.3
37	Augusta	IT	33.0	25.8	19.9	21.5	22.3	4.1
38	Riga	LV	24.4	29.1	39.4	30.6	22.1	-27.9
39	Porto Foxi	IT	22.8	23.9	24.6	26.8	21.7	-19.1
40	Tallinn	EE	38.8	36.3	22.3	19.6	21.2	8.1

2.4.10a

Sea – INTRA-EU

MARITIME TRANSPORT – BY COUNTRY

(1) RELEVANCE OF INTRA-EU TRANSPORT  
IN TOTAL MARITIME TRANSPORT BY EU COUNTRY 2020

	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	142.3	37.5	26.4 %	126.4	29.1	23.0 %
BG	12.5	1.3	10.5 %	12.7	4.4	34.3 %
DK	49.1	29.7	60.5 %	32.2	22.0	68.3 %
DE	160.9	51.6	32.1 %	114.8	45.2	39.4 %
EE	11.7	6.9	58.9 %	22.9	12.5	54.6 %
IE	32.4	12.1	37.4 %	16.9	7.3	43.4 %
EL	87.6	34.5	39.4 %	76.0	41.9	55.1 %
ES	265.3	78.4	29.6 %	190.2	74.4	39.1 %
FR	179.1	49.3	27.5 %	89.4	30.2	33.7 %
HR	13.8	3.1	22.5 %	5.8	3.1	53.9 %
IT	286.5	126.1	44.0 %	173.3	127.1	73.3 %
CY (**)	5.4	4.0	73.8 %	2.1	0.2	10.3 %
LV	8.5	4.2	49.5 %	31.8	17.9	56.3 %
LT	18.3	5.8	32.0 %	33.3	15.4	46.2 %
MT	5.4	4.4	82.3 %	0.4	0.2	43.2 %
NL	365.3	57.6	15.8 %	192.3	32.4	16.9 %
PL	54.4	18.8	34.6 %	33.7	20.9	61.9 %
PT	47.3	18.7	39.6 %	32.1	15.8	49.3 %
RO (**)	22.9	1.8	8.0 %	23.5	6.8	28.9 %
SI	12.5	2.8	22.6 %	5.8	1.4	24.4 %
FI	51.4	32.5	63.3 %	55.8	43.8	78.4 %
SE	92.1	60.1	65.3 %	76.9	59.3	77.1 %

**NB:** 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

### (2) MAIN ROUTES IN INTRA-EU MARITIME TRANSPORT 2020

	TOTAL			RANKING	country of loading port	country of unloading port	million tonnes transported
	total goods transported (*)	of which to/from EU	share of EU in total				
	million tonnes	million tonnes	(%)				
				1	ITALY	ITALY	93.292
				2	SPAIN	SPAIN	35.353
BE	268.7	66.6	24.8 %	3	GREECE	GREECE	24.833
BG	25.3	5.7	22.5 %	4	FRANCE	FRANCE	20.687
DK	79.7	50.1	62.9 %	5	SWEDEN	SWEDEN	20.095
DE	273.0	94.2	34.5 %	6	SPAIN	ITALY	15.248
EE	34.6	19.4	56.0 %	7	SWEDEN	GERMANY	13.965
IE	48.9	19.0	38.9 %	8	ITALY	SPAIN	13.105
EL	144.3	57.1	39.6 %	9	FINLAND	GERMANY	12.405
ES	424.8	122.1	28.8 %	10	NETHERLANDS	FRANCE	11.723
FR	262.5	73.5	28.0 %	11	GERMANY	SWEDEN	10.930
HR	19.1	5.7	29.8 %	12	DENMARK	DENMARK	10.588
IT	370.6	164.0	44.2 %	13	SWEDEN	FINLAND	9.807
CY (**)	7.5	4.2	56.0 %	14	SPAIN	FRANCE	9.488
LV	40.3	22.1	54.9 %	15	DENMARK	SWEDEN	9.238
LT	51.5	21.2	41.1 %	16	SPAIN	NETHERLANDS	8.906
MT	5.7	4.6	79.8 %	17	FINLAND	NETHERLANDS	8.856
NL	557.5	90.0	16.1 %	18	GREECE	ITALY	8.555
PL	87.2	38.8	44.5 %	19	NETHERLANDS	SPAIN	8.369
PT	73.9	29.1	39.4 %	20	GERMANY	DENMARK	8.216
RO (**)	46.4	8.6	18.6 %	21	SWEDEN	DENMARK	7.637
SI	18.3	4.2	23.2 %	22	NETHERLANDS	SWEDEN	7.399
FI	101.7	70.8	69.6 %	23	FINLAND	FINLAND	7.230
SE	164.6	115.0	69.9 %	24	NETHERLANDS	GERMANY	7.196
				25	SWEDEN	NETHERLANDS	6.853
				26	ITALY	GREECE	6.537
				27	FINLAND	SWEDEN	6.414
				28	ITALY	MALTA	6.181
				29	SWEDEN	BELGIUM	6.144
				30	SWEDEN	POLAND	5.920

**NB:** 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 '19/'20
	PORT		2005	2010	2015	2019	2020	
1	Rotterdam	NL	9 194.6	11 017.5	11 577.2	13 492.8	13 294.1	-1.5
2	Antwerpen	BE	6 220.9	8 144.4	9 370.3	11 676.0	11 970.0	2.5
3	Hamburg	DE	8 084.3	7 905.5	8 847.9	9 282.0	8 577.6	-7.6
4	Valencia	ES	2 415.2	4 211.2	4 608.7	5 420.8	5 413.2	-0.1
5	Piraeus	EL	1 401.1	850.3	3 359.6	5 646.5	5 202.0	-7.9
6	Algeciras	ES	3 179.8	2 772.7	4 515.8	5 125.4	5 107.9	-0.3
7	Bremerhaven	DE	3 696.1	4 858.3	5 466.8	4 849.7	4 766.7	-1.7
8	Gioia Tauro	IT	3 123.2	3 896.7	3 030.0	2 981.9	3 319.6	11.3
9	Barcelona	ES	2 071.4	1 928.0	1 950.1	3 313.3	2 949.8	-11.0
10	Genova	IT	1 037.6	1 020.0	2 079.1	2 175.6	2 491.3	14.5
11	Le Havre	FR	2 144.3	2 369.3	2 560.1	2 762.7	2 170.3	-21.4
12	Marseille	FR	910.6	1 030.9	1 255.8	1 454.6	1 717.1	18.0
13	Gdansk	PL	63.3	509.9	1 041.3	1 800.2	1 623.0	-9.8
14	Sines	PT	51.0	382.1	1 332.2	1 423.2	1 612.0	13.3
15	La Spezia	IT	915.6	1 180.6	1 578.9	1 658.9	1 333.0	-19.6
16	Livorno	IT	461.4	369.9	652.8	987.2	1 165.1	18.0
17	Las Palmas de Gran Canaria	ES	1 210.4	1 118.0	900.5	1 006.9	1 000.0	-0.7
18	Koper	SI	210.3	481.0	802.7	934.1	918.1	-1.7
19	Trieste	IT	182.7	261.1	628.0	917.9	890.6	-3.0
20	Gdynia	PL	392.9	477.0	676.4	877.0	890.3	1.5
21	Goteborg	SE	771.7	891.5	809.6	762.9	770.7	1.0
22	Dublin	IE	590.2	554.0	627.7	774.0	758.0	-2.1
23	Thessaloniki	EL	372.5	289.2	591.4	618.8	699.2	13.0
24	Constanta	RO	867.0	546.1	689.5	664.7	643.0	-3.3
25	Klaipeda	LT	214.3	295.2	350.4	705.2	639.0	-9.4
26	Leixoes	PT	351.8	481.8	568.3	620.7	638.1	2.8
27	Arhus	DK	397.2	446.3	445.2	574.1	622.7	8.5
28	Napoli	IT	178.5	224.2	210.0	375.5	600.0	59.8
29	Hamina Kotka (¹)	FI	0.0	0.0	487.4	626.9	584.3	-6.8
30	Zeebrugge	BE	682.3	1 436.8	393.0	477.4	577.7	21.0
31	Bilbao	ES	862.8	532.0	627.9	628.4	485.8	-22.7
32	Dunkerque	FR	201.6	200.8	292.1	451.5	474.4	5.1
33	Helsinki	FI	460.2	400.7	411.1	495.1	474.3	-4.2
34	Riga	LV	157.8	254.6	355.4	472.5	458.2	-3.0
35	Wilhelmshaven	DE	2.7	0.0	611.0	640.7	422.3	-34.1
36	Lemesos (Limassol)	CY	320.8	332.5	308.4	389.9	360.4	-7.6
37	Port Réunion (ex Pointe des Galets) (Réunion)	FR	80.1	86.7	113.0	374.8	357.0	-4.8
38	Venezia	IT	196.0	237.7	476.0	547.6	347.0	-36.6
39	Santa Cruz de Tenerife	ES	416.9	308.6	310.4	373.8	313.0	-16.3
40	Rijeka	HR	76.1	121.1	152.7	287.9	310.1	7.7

NB: (¹) 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

YEAR	Billion	TONNE-KILOMETRES		
		% of which:		
		< 300 km	300 - 900 km	> 900 km
1990	18.7	1%	68%	31%
1995	25.0	2%	56%	42%
2000	35.2	2%	71%	27%
2005	38.8	3%	63%	34%
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	58.3	1%	46%	53%
2017	75.1	1%	42%	57%
2018	83.6	2%	45%	54%
2019	83.5	1%	51%	48%
2020	90.3	1%	49%	50%
2021	100.2	1%	48%	51%

YEAR	TRAFFIC % OF CONSIGNMENTS (*)		
	Semi-trailers	Rolling motorway	Swap bodies and containers
1990	20%	18%	61%
1995	14%	19%	67%
2000	9%	23%	68%
2005	7%	13%	80%
2010	10%	15%	75%
2011	10%	14%	76%
2012	13%	5%	82%
2013	14%	5%	81%
2014	13%	5%	82%
2015	13%	5%	82%
2016	16%	4%	80%
2017	11%	8%	81%
2018	15%	6%	81%
2019	15%	6%	80%
2020	15%	5%	80%
2021	14%	5%	80%

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

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

From 2012 to 2016, figures exclude traffic from RoLa operators.

From 2013 figures include traffic of new members TEL and FELB.

From 2015 figures include RCO CZ.

From 2017 figures include RCO (full), Metrans, Lugo, Amber Rail and Baltic Rail.

From 2018 figures include CargoBeamer and VIIA.

## 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
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
2016	8.4	3.3	34.6	19.8	66.2
2017	8.6	3.1	37.3	21.2	70.2
2018	8.4	3.3	39.8	21.9	73.4
2019	7.3	2.9	40.8	21.1	72.1
2020	7.1	2.7	38.2	19.3	67.3
AVERAGE ANNUAL CHANGE					
'85/'00	9.7%	3.3%	3.9%	5.4%	5.0%
'00/'20	-0.3%	3.6%	1.8%	-1.7%	0.4%
'19/'20	-2.2%	-7.6%	-6.2%	-8.8%	-6.6%

NB: France: Montgenèvre: from 1999 to 2018.

#### 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
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
2016	701	274	2 315	1 330	4 620
2017	698	257	2 453	1 419	4 827
2018	677	264	2 602	1 472	5 014
2019	643	255	2 660	1 400	4 958
2020	628	234	2 465	1 277	4 604

NB: Internal, import, export and transit traffic.  
Since 2019 no data available on the traffic at Montgenèvre.

## Road

2.4.14

### PYRENEES CROSSING TRAFFIC

#### GOODS TRAFFIC

	VEHICLES PER DAY			TOTAL
	West coast Irun Biriattou	East coast La Jonquera Le Perthus	Other crossings	
1997	5657	6729	880	13 266
1998	6447	7413	905	14 765
1999	6914	8018	914	15 846
2000	8224	8200	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	1 316	19 674
2013	9 165	9 163	1 307	19 634
2014	8 605	9 501	1 242	19 348
2015	9 280	10 066	1 387	20 733
2016	10 745	10 097	1 454	22 295
2017	10 170	10 463	1 243	21 876
2018	10 480	10 907	1 508	22 894

#### PASSENGER CAR TRAFFIC

	VEHICLES PER DAY			TOTAL
	West coast Irun Biriattou	East coast La Jonquera Le Perthus	Other crossings	
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
2015	49 150	32 458	41 496	123 104
2016	47 421	33 049	40 611	121 080
2017	50 130	33 441	44 587	128 158
2018	51 260	33 559	46 421	131 239

**NB:** Between 2006 -2013, these statistics were available every two years.  
Goods traffic: other crossing: data revised back to 2013 due to a computation error.

2.4.15

**Rail – TRAFFIC MEASURED  
IN TRAIN-KILOMETRES**

	million train-km					%	Of which:	Of which:
	2005	2010	2015	2019	2020		% of passenger traffic	% of freight traffic
						CHANGE '19/'20	2020	2020
<b>EU-27</b>	<b>3 485.3</b>	<b>3 461.5</b>	<b>3 579.1</b>	<b>3 684.1</b>	<b>3 334.1</b>	<b>-9.5</b>	<b>78.7</b>	<b>21.1</b>
<b>EU-28</b>	<b>3 976.7</b>	<b>4 005.5</b>	<b>4 148.8</b>	<b>4 278.5</b>				
BE	92.6	95.1	95.2	105.5	92.7	-12.2	87.2	12.8
BG	33.5	29.3	28.6	28.0	28.1	0.4	70.0	30.0
CZ	147.7	155.1	157.3	170.4	167.0	-1.9	82.3	17.7
DK	75.0	78.3	78.8	78.0	76.2	-2.3	95.6	4.4
DE	986.7	992.4	1 032.6	1 069.6	1 049.8	-1.8	75.3	24.7
EE	8.9	7.4	8.0	7.2	6.6	-8.8	81.0	19.0
IE	16.0	18.3	18.2	18.4	15.0	-18.4	99.0	1.0
EL	17.7	17.0	10.8	10.5	8.5	-18.9	86.9	13.1
ES	199.4	206.0	209.1	211.2	158.2	-25.1	86.0	14.0
FR	505.8	458.0	460.0	425.4	338.7	-20.4	84.1	15.9
HR	26.1	25.8	19.7	20.5	18.6	-9.6	68.8	31.2
IT	373.3	356.1	366.4	395.8	319.5	-19.3	85.2	14.8
CY	-	-	-	-	-	-	-	-
LV	18.9	16.6	17.2	14.4	10.7	-25.5	55.3	44.7
LT	14.3	14.4	14.0	14.4	15.6	8.6	38.9	61.1
LU	7.6	8.0	8.9	8.0	7.4	-7.2	94.8	5.2
HU	102.8	100.6	164.8	129.2	123.0	-4.7	69.4	29.7
MT	-	-	-	-	-	-	-	-
NL	133.8	139.1	149.4	161.0	148.8	-7.5	94.3	5.7
AT	143.9	151.8	153.4	163.0	153.3	-6.0	74.0	26.0
PL	207.2	211.7	204.6	245.0	224.2	-8.5	68.6	29.1
PT	37.7	40.0	37.1	37.0	33.3	-9.8	82.4	17.6
RO	94.5	86.3	79.9	84.3	77.6	-7.9	73.9	26.1
SI	18.6	18.6	17.7	19.0	16.0	-16.1	47.7	52.3
SK	47.3	44.0	46.0	48.7	46.2	-5.2	73.8	26.2
FI	48.2	51.0	48.6	51.5	47.7	-7.3	70.8	29.2
SE	127.7	140.6	152.7	168.1	151.4	-9.9	76.8	23.2
IS	-	-	-	-	-	-	-	-
NO	41.1	43.8	48.6	48.8	44.7	-8.4	82.9	17.1
CH	0.0	210.5	222.7	228.9	221.5	-3.2	88.0	12.0
ME			1.4	1.7	1.1	-37.4	73.7	26.3
MK		2.8	2.2	1.7	1.4	-15.3	61.2	38.8
AL				0.3	0.1	-74.9	56.0	44.0
RS								
TR	44.9	38.8	41.1	50.5	38.6	-23.6	34.5	65.5
UK	491.4	544.0	569.8	594.5				

## Rail – DEGREE OF MARKET OPENING – PASSENGERS

2.4.16a

### SHARE OF ALL BUT THE PRINCIPAL UNDERTAKINGS

	%				Of which: Market share PSO (*)	Of which: Market share Commercial
	2010	2015	2019	2020	2020	2020
BE	0.2	3.3	7.0	2.2	0.0	37.2
BG	2.6	0.0	0.0	0.0	0.0	0.0
CZ	0.2	5.0	13.0	14.5	9.4	73.8
DK	18.0	7.0	8.0	9.8	9.8	
DE	8.0	13.5	17.0	20.7	33.0	2.6
EE	50.0	0.0	5.0	0.7	0.7	
IE	0.0		0.0	0.0	0.0	
EL	0.0	0.0	0.0	1.6	0.0	100.0
ES	0.0	0.0	0.0	0.1	0.1	0.1
FR	1.0	5.0	5.0	1.3	0.0	2.2
HR	0.0	0.0	0.0	0.0	0.0	0.0
IT	8.3	23.0	29.0	28.7	25.6	34.4
CY	-	-	-			
LV	10.5	8.3	6.0	1.1	0.1	99.3
LT	0.0	0.0	0.0	0.0	0.0	0.0
LU		0.0	0.0	0.0	0.0	n/a
HU	1.8	3.5	3.0	0.3	0.0	52.2
MT	-	-	-			
NL	4.8	14.9	6.0	5.0	5.0	
AT	5.4	12.2	13.0	9.7	8.4	18.1
PL	48.3	51.7	42.0	46.3	50.6	0.7
PT	9.0	5.4	5.0	5.2	6.6	0.0
RO	3.9		0.0	12.3	12.3	
SI	0.0	0.0	0.0	0.0	0.0	0.0
SK	0.0	6.0	8.0	9.9	6.8	100.0
FI	0.0	0.0	0.0	0.0	0.0	0.0
SE		33.5	43.0	49.7	73.0	13.0
NO	12.0	10.7	12.0	24.5	24.5	44.0

**NB** (\*) 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.

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.

2.4.16b

**Rail – DEGREE OF MARKET  
OPENING – FREIGHT**

**SHARE OF ALL BUT THE PRINCIPAL UNDERTAKINGS**

	%											
	2006	2008	2010	2012	2013	2014	2015	2016	2017	2018	2019	2020
BE	0.0	6.1	11.8	13.4	18.5	24.3	25.1	48.6	27.1	18.2	19.2	35.5
BG	3.2	14.3	21.6	36.5	44.7	48.8	51.4	54.5	58.6	52.7	42.8	45.7
CZ			13.2	20.6	23.7	30.1	33.5	34.9	36.8	35.1	39.8	41.3
DK			25.0	27.0	25.0	24.0	29.0	26.1	17.7	26.3	38.0	36.8
DE	16.4	22.0	25.0	28.6	32.6	34.1	40.9	45.5	47.5	51.3	54.0	54.7
EE	30.6	49.0	45.0	30.0	35.0	30.5	29.0	20.1	23.7	1.4	0.0	0.2
IE	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0
EL	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	3.0
ES	4.9	5.0	8.1	16.8	19.1	20.5	26.0	29.5	30.8	34.3	37.0	38.3
FR	0.6	10.0	20.0	32.0	36.0	37.0	25.6	41.0	43.0	46.0	47.0	47.6
HR	0.0	0.0	0.0	0.0	0.0	0.5	2.0	14.7	23.9	32.0	38.0	45.6
IT	11.5		24.1	16.8	7.6	41.0	41.2	55.1	55.4	57.0	57.0	59.2
CY	-	-	-	-	-	-	-	-	-	-	-	-
LV	10.6	9.6	23.3	22.6	23.3	21.5	31.1	25.5	33.6	31.6	31.0	24.4
LT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
LU	0.0		0.0	0.0		0.0	0.0	0.0	0.0	0.0		
HU	9.0	14.4	19.5	31.8	34.8	37.6	39.6	42.1	47.5	50.6	51.0	55.0
MT	-	-	-	-	-	-	-	-	-	-	-	-
NL	14.0	25.0	40.0	36.0	41.4	41.0		45.0	56.5	59.0	51.0	58.0
AT	10.0	14.0	14.6	17.6	19.3	21.4	23.6	26.1	24.5	30.7	32.0	33.1
PL	16.9	24.0	35.8	32.9	34.5	36.3	38.1	48.6	42.9	45.9	50.7	54.5
PT	0.0		9.0	11.0	13.4	11.3	11.8	15.4	14.2	13.6	17.9	19.3
RO	26.7	41.0	54.7	53.7	57.6	42.8	60.2	62.9	63.4	63.9	71.0	78.4
SI	0.0	0.0	0.0	9.5	9.2	9.9	12.1	13.0	13.3	14.8	16.8	18.8
SK	2.9	2.0	2.0	11.8	13.5	10.0	17.6	19.9	22.1	24.6	27.8	29.5
FI	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	1.3	2.0	2.2
SE	32.5		40.0		56.0	55.0	48.0	46.0	46.0	48.0	51.0	51.0
NO		21.0	25.0	38.0	42.0	47.0	42.2	49.8	51.1	51.5	56.0	55.8

**NB:** 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).

## Rail

2.4.17

### 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
1994	13.2	4.7	8.3	7.7	33.9
1995	13.6	4.4	8.4	8.0	34.4
1996	11.7	4.0	7.9	9.7	33.3
1997	13.7	4.3	7.8	10.1	35.9
1998	15.0	4.3	8.6	9.3	37.2
1999	14.9	3.5	8.3	8.4	35.1
2000	16.8	3.8	8.7	8.6	37.9
2001	15.8	4.8	10.7	8.6	39.9
2002	14.2	4.8	10.5	8.6	38.1
2003	14.3	5.6	10.7	7.8	38.4
2004	16.1	6.8	10.7	6.4	40.0
2005	15.6	8.1	10.0	5.2	38.9
2006	16.2	9.0	11.6	4.8	41.6
2007	15.5	9.7	13.3	5.7	44.2
2008	15.5	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
2016	15.3	13.5	13.4	2.9	45.2
2017	13.6	13.6	13.8	2.7	43.7
2018	15.3	12.6	14.0	2.6	44.6
2019	15.1	11.5	13.8	2.9	43.3
2020	15.3	9.7	13.6	2.4	41.0
AVERAGE ANNUAL CHANGE					
'85/'00	2.7%	2.1%	4.2%	0.9%	2.5%
'00/'20	-0.5%	4.8%	2.3%	-6.2%	0.4%
'19/'20	1.2%	-15.8%	-1.3%	-16.0%	-5.3%

## 2.5.1

## Road

### LENGTH OF MOTORWAYS

	km (at end of year)							
	1990	1995	2000	2005	2010	2015	2019	2020
<b>EU-27</b>	<b>38 995</b>	<b>44 889</b>	<b>51 530</b>	<b>59 474</b>	<b>67 450</b>	<b>71 888</b>	<b>74 157</b>	<b>74 502</b>
<b>EU-28</b>	<b>42 176</b>	<b>48 269</b>	<b>55 111</b>	<b>63 107</b>	<b>71 122</b>	<b>75 657</b>	<b>78 014</b>	
BE	1 666	1 666	1 702	1 747	1 763	1 763	1 763	1 763
BG	273	277	319	331	437	734	790	806
CZ	357	414	501	564	734	776	1 276	1 298
DK	611	796	923	1 032	1 130	1 237	1 346	1 354
DE	10 854	11 190	11 712	12 363	12 819	12 993	13 183	13 192
EE	41	65	93	99	115	147	161	199
IE	26	70	103	247	900	916	995	995
EL	190	421	615	917	1 558	1 589	2 098	2 145
ES	4 976	6 962	9 049	11 432	14 262	15 336	15 722	15 722
FR	6 824	8 275	9 766	10 798	11 392	11 599	11 671	11 660
HR	291	302	411	1 016	1 244	1 310	1 310	1 310
IT	6 193	6 435	6 478	6 542	6 668	6 943	6 977	6 977
CY	120	167	257	276	257	272	257	257
LV	-	-	-	-	-	-	-	-
LT	421	394	417	417	309	309	403	400
LU	78	123	114	147	152	161	165	165
HU	267	335	448	859	1 477	1 884	1 723	1 774
MT	-	-	-	-	-	-	-	-
NL	2 092	2 208	2 265	2 600	2 651	2 756	2 790	2 789
AT	1 445	1 596	1 633	1 677	1 719	1 719	1 743	1 749
PL	257	246	358	552	857	1 559	1 676	1 712
PT	316	687	1 482	2 341	2 737	3 065	3 065	3 065
RO	113	113	113	228	332	747	866	920
SI	228	293	427	569	771	610	623	616
SK	192	198	296	328	416	463	495	521
FI	225	394	549	693	779	881	926	933
SE	939	1 262	1 499	1 700	1 971	2 119	2 133	2 179
IS	-	-	-	11	11	11	41	41
NO	73	107	144	264	381	392	580	580
CH	1 148	1 197	1 270	1 358	1 406	1 440	1 462	1 544
ME	-	-	-	-	-	-	-	-
MK	83			216	251	259	335	335
AL								22
RS				603	603	693	963	928
TR	281			1 667	2 080	2 282	3 060	3 523
UK	3 181	3 380	3 581	3 633	3 672	3 768	3 857	

**NB:** 2020 data: BE: situation at the end of 2015. IT, ES situation at the end of 2019 data. IS: situation at the end of 2018.

CZ: as from 2016 most of expressways have been changed into class II motorways.

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.

RS: Starting with 2013, ASECAP figures were replaced by Eurostat data.

Sources: Eurostat [road\_if\_motorwa], International Road Federation (www.irfnet.ch) (EL, IS provided in 2020), European Association of Operators of Toll Road Infrastructures (ASECAP) statistical bulletin (EL), national statistics (BG, AT, UK), estimates (*in italics*)



## Road

### LENGTH OF ROAD NETWORK

2.5.2

	km (at end of 2020) (*)			
	Motorways	Main or national roads	Secondary or regional roads	Other roads (**)
BE	1 763	13 229	1 349	138 869
BG	806	2 883	4 019	12 209
CZ	1 298	5 808	48 685	74 919
DK	1 354	2 606	70 975	
DE	13 192	37 826	178 703	
EE	199	3 811	12 655	42 181
IE	995	4 314	13 120	80 548
EL	2 145	9 299	30 864	75 600
ES	15 722	14 920	134 827	501 053
FR	11 660	9 698	378 834	704 999
HR	1 310	7 137	9 456	8 846
IT	6 977	23 305	137 283	67 927
CY	257	5 461	2 431	4 990
LV	-	1 673	5 453	62 327
LT	400	6 679	14 559	50 982
LU	165	839	1 891	19
HU	1 774	30 621		183 155
MT	-	520		2 120
NL	2 789	2 714	7 817	128 041
AT	1 749	10 762	23 555	91 916
PL	1 712	17 765	153 586	257 204
PT	3 065	6 469	4 791	
RO	920	16 993	35 085	33 793
SI	616	5 925	32 143	
SK	521	3 634	13 975	39 671
FI	933	12 518	13 484	50 973
SE	2 179	13 499	136 964	43 008
IS	41	4 370	3 380	5 158
NO	580	10 489	44 701	39 480
CH	1 544	710	17 278	63 742
ME	-		8 412	
MK	335	897	3 794	9 786
AL	22		3 675	
RS	928	3 865	9 662	30 453
TR	3 523	30 974	34 136	187 695

**NB:** (\*) BE end of 2015; EL: 2018; IT, ES end of 2019; LU: 2018 (other roads); for MT end of 2017; CY: other road network includes forest gravel roads.

(\*\*) The definition of road types varies from country to country, the data are therefore not fully comparable.

MT, CY: data for 2016.

'Other roads' sometimes includes roads without a hard surface.

## 2.5.3

## Railways

### LENGTH OF LINES IN USE

	1990	2000	2005	2010	2015	2019	2020	km	%
								OF WHICH: ELECTRIFIED 2020	
<b>EU-27</b>	<b>220 757</b>	<b>205 664</b>	<b>200 457</b>	<b>204 149</b>	<b>199 741</b>	<b>199 587</b>	<b>200 099</b>	<b>113 279</b>	<b>56.6</b>
<b>EU-28</b>	<b>237 671</b>	<b>222 708</b>	<b>216 665</b>	<b>220 324</b>	<b>215 950</b>	<b>215 933</b>			
BE	3 479	3 471	3 544	3 582	3 607	3 602	3 602	3 160	87.7
BG	4 299	4 320	4 154	4 097	4 019	4 030	4 029	2 871	71.3
CZ		9 444	9 614	9 468	9 466	9 396	9 376	3 217	34.3
DK	2 838	2 787	2 646	2 606	2 552	2 646	2 595	886	34.1
DE	40 981	36 588	34 221	37 679	38 828	39 379	39 379	20 942	53.2
EE	1 026	968	925	1 196	1 164	1 167	1 167	138	11.8
IE	1 944	1 919	1 919	1 919	1 458	1 888	1 888	53	2.8
EL	2 484	2 385	2 576	2 552	2 239	2 280	2 345	731	31.2
ES	14 539	14 347	15 015	15 837	16 056	15 718	15 847	10 182	64.3
FR	34 070	31 397	30 871	30 335	27 343	26 932	26 838	16 900	63.0
HR	2 429	2 726	2 726	2 722	2 604	2 617	2 617	970	37.1
IT	16 066	16 187	16 545	17 022	17 041	16 779	17 256	12 113	70.2
CY	-	-	-	-	-	-	-	-	-
LV	2 397	2 331	2 270	1 897	1 859	1 860	1 859	251	13.5
LT	2 007	1 905	1 771	1 767	1 877	1 911	1 911	152	8.0
LU	271	274	275	275	275	288	288	262	91.0
HU	7 838	8 005	7 950	7 893	7 894	7 588	7 511	3 183	42.4
MT	-	-	-	-	-	-	-	-	-
NL	2 798	2 802	2 810	3 013	3 031	3 055	3 055	2 310	75.6
AT	5 624	5 665	5 691	5 039	4 937	4 968	4 966	3 598	72.5
PL	26 228	22 560	19 507	19 702	18 510	18 538	18 611	11 902	64.0
PT	3 064	2 814	2 844	2 842	2 545	2 526	2 526	1 696	67.1
RO	11 348	11 015	10 948	10 777	10 770	10 759	10 769	4 034	37.5
SI	1 196	1 201	1 228	1 228	1 209	1 209	1 210	610	50.4
SK	3 660	3 662	3 658	3 622	3 626	3 629	3 627	1 585	43.7
FI	5 867	5 854	5 732	5 919	5 923	5 923	5 918	3 349	56.6
SE	11 193	11 037	11 017	11 160	10 908	10 899	10 909	8 184	75.0
IS	-	-	-	-	-	-	-	-	-
NO	4 044	4 179	4 114	3 958	3 896	3 890	3 851	2 483	64.5
CH	3 215	3 216	3 399	3 597	3 592	4 055	4 106	4 105	100.0
ME			248	249	250	249	250	225	90.0
MK	696	699	699	699	699	683	683	234	34.3
AL				423	423	169	224	0	0.0
RS			3 809	3 809	3 739	3 724	3 333	1 274	38.2
TR	8 429	8 671	8 697	9 594	10 131	10 378	10 378	5 145	49.6
UK	16 914	17 044	16 208	16 175	16 209	16 346			

**NB:** DE: includes former GDR: 1990=14031.

CH: since 2017 RhB is included.

CS: 1990: 13111.

FR: revision of time series 2013-2020.

# Railways

## HIGH-SPEED RAIL NETWORK

2.5.4

### LENGTH OF LINES

	km (at end of year)												
	BE	DE	DK	ES	FR	IT	NL	AT	PL	FI	SE	UK	EU-27
1985	-	-	-	-	425	174	-	-	-	-	-	-	599
1990	-	90	-	-	717	194	-	24	-	-	-	-	1 025
1995	-	426	-	471	1 290	238	-	24	-	156	-	-	2 605
2000	72	576	-	471	1 290	238	-	24	-	156	187	-	3 014
2005	137	1 089	-	1 038	1 549	238	-	105	-	882	187	74	5 225
2010	209	1 178	-	2 102	1 912	856	90	121	-	1 120	680	113	8 268
2015	209	1 381	-	3 002	2 058	856	90	237	224	1 120	860	113	10 037
2018	209	1 571	-	3 002	2 734	896	90	254	224	1 120	860	113	10 960
2019	209	1 571	56	3 297	2 734	921	90	254	224	1 120	860	113	11 336
2020	209	1 571	56	3 487	2 734	921	90	254	224	1 120	860	113	11 526

**NB:** **High speed lines** include principal railway lines allowing traffic at speeds on the main segments equal to or greater than 200 km/h on upgraded lines and 250 km/h on especially built lines. **Dedicated high-speed** railway line is a line specially built to allow traffic at speeds equal to or greater than 250 km/h for the main segments. **Dedicated high-speed lines:** BE: 209 km; DE: 1 223 km; DK: 56 km; ES: 3 015 km; FR: 2 735 km; IT: 896 km; NL: 90 km.

### HIGH-SPEED LINES CURRENTLY UNDER CONSTRUCTION

	LINE	LENGTH km	START OF OPERATION
DE	Wendlingen - Ulm	60	2022
DE	Stuttgart - Wendlingen	25	2024
DE	Karlsruhe - Raststatt (Basel)	17	2024
DE	Buggingen - Katzenbergtunnel (Basel)	32	2025
DE	(Karlsruhe) Katzenbergtunnel (Basel)	13	2025
ES	Venta de Banos - Burgos	91	2021
ES	León-Pola de Lena (Pajares New Pass)	76	2021
ES	Navalmoral - Plasencia/Badajos	246	2021
ES	Pedralba - Orense	113	2021
ES	Vitoria Gasteiz-Bilbao - San Sebastian	175	2028
ES	Monforte del Cid - Murcia	64	2021
ES	Murcia - Almeria	188	-
ES	Castejon - Pamplona	75	-
ES	La Encina - Valencia	107	-
IT	Genova - Milano (Tortona)	53	2022
IT	Brescia - Verona	45	-
IT	Napoli - Bari	150	-
IT	Verona - Padova	79	-
AT	Wien Stadlau - Staatsgrenze (AT/SK)	38	2022
AT	Wien Inzersdorf Ort - Wr. Neustadt	47	2023
AT	Graz - Klagenfurt	122	2025
AT	Gloggnitz - Müzzzuschlag	28	2026
AT	Volders-Baumkirchen/Innsbruck - Staatsgrenze AT/IT	46	2027
SE	Umeå - Dävå	12	2024
SE	Lund - Arlöv	11	2024
SE	Varberg - Hamra (Varbergstunnel)	7	2025
SE	Ängelholm - Maria	24	2025
SE	Järna - Linköping	160	2035

**NB:** 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	800-1200 (contact rail)	15 000	16.7 Hz
EE	1 520	3 000		
IE	1 600	1 500		
EL	600			
	750			
	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
	1 435			
LU	1 435		25 000	50 HZ
HU	1 435		25 000	50 HZ
MT	-	-	-	-
NL	1 435	1 500		
AT	1 435		15 000	16.7 Hz
PL	1 435	3 000		
PT	1 000			
	1 668		25 000	50 HZ
RO	1 435		25 000	50 HZ
SI	1 435	3 000		
SK	1 435	3 000	25 000	50 HZ
FI	1 524		25 000	50 HZ
SE	1 435		15 000	16.7 Hz

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

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

## Air

### NUMBER OF AIRPORTS

2.5.6

#### BY NUMBER OF PASSENGERS CARRIED (\*) IN 2020

	more than 10 million	5 to 10 million	1 to 5 million	500 000 to 1 million	100 000 to 500 000	15 000 to 100 000
<b>EU-27</b>	<b>7</b>	<b>16</b>	<b>62</b>	<b>34</b>	<b>89</b>	<b>76</b>
BE		1	1		1	2
BG			1	1	1	
CZ			1			4
DK		1		2	2	3
DE	2	2	6	4	5	5
EE				1		
IE		1		1	2	1
EL		1	3	4	8	11
ES	2	3	10	2	12	5
FR	2		9	6	16	9
HR				2	2	2
IT		2	15	3	9	5
CY			1	1		
LV			1			
LT			1		2	
LU			1			
HU			1		1	
MT			1			
NL	1		1		1	2
AT		1		1	2	2
PL		1	4	2	4	1
PT		1	3	1	1	7
RO			1	1	6	2
SI					1	
SK					1	1
FI		1			5	7
SE		1	1	2	7	7
IS			1		1	1
NO		1	4	2	9	12
CH		2	1			1
ME					2	
MK				1		
AL			1			
RS			1		1	
TR	3	3	7	6	19	11

**NB:** (\*) '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). 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	2015	2019	2020
EU-27		37 458	39 658	40 783	40 738	40 885	41 941	42 286
EU-28		38 611	40 811	41 848	41 788	41 935	42 991	
BE	1 515	1 540	1 534	1 516	<i>1 516</i>	<i>1 516</i>	<i>1 516</i>	<i>1 516</i>
BG	470	470	470	470	470	470	470	470
CZ		677	664	664	676	720	720	726
DK	-	-	-	-	-	-	-	-
DE	4 350	6 663	6 754	7 565	7 728	7 675	7 675	7 675
EE		520	320	320	335	416	449	449
IE	-	-	-	-	-	-	-	-
EL	-	-	-	-	-	-	-	-
ES	-	-	-	-	-	-	-	-
FR	6 197	5 962	5 789	5 788	5 110	4 822	4 827	4 984
HR	933	933	720	804	805	1 017	1 017	1 017
IT	1 366	1 466	1 477	1 562	1 562	1 562	1 562	1 562
CY	-	-	-	-	-	-	-	-
LV	-	-	-	-	-	-	-	-
LT	369	369	380	290	448	446	506	506
LU	37	37	37	37	37	37	37	37
HU	1 373	1 373	1 373	1 587	1 864	1 864	1 860	1 860
MT	-	-	-	-	-	-	-	-
NL	5 046	5 046	6 183	6 211	6 219	6 256	6 297	6 297
AT	351	351	351	351	351	351	351	351
PL	3 997	3 980	3 813	3 638	3 659	3 655	3 722	3 768
PT	-	-	-	-	-	-	-	-
RO	1 782	1 779	1 779	1 779	1 779	1 779	2 635	2 763
SI	-	-	-	-	-	-	-	-
SK	2 379	172	172	172	172	172	172	172
FI	6 072	6 120	7 842	8 029	8 006	8 127	8 125	8 133
SE	-	-	-	-	-	-	-	-
IS	-	-	-	-	-	-	-	-
NO	-	-	-	-	-	-	-	-
CH	-	-	-	-	-	-	-	-
ME	-	-	-	-	-	-	-	-
MK	-	-	-	-	-	-	-	-
AL	-	-	-	-	-	-	-	-
RS					1 364	1 593	1 593	1 593
TR	-	-	-	-	-	-	-	-
UK	1 631	1 153	1 153	1 065	1 050	1 050	<i>1 050</i>	

NB: DE: includes former GDR: 1990 = 2 319.

RO: since 2019 the length of navigable lakes was added to the previous figures.

## Pipelines

2.5.8

## LENGTH OF OIL PIPELINES

km								
	1990	1995	2000	2005	2010	2015	2019	2020
<b>EU-27</b>		28 497	30 578	31 338	31 168	31 690	31 681	31 593
<b>EU-28</b>		31 967	34 532	35 839	35 614	36 136	36 127	
BE	301	294	294	294	294	294	294	294
BG	578	578	578	578	578	570	571	571
CZ		581	675	675	674	642	642	642
DK	444	330	330	330	330	330	330	330
DE	2 222	2 460	2 370	2 370	2 370	2 370	2 370	2 370
EE	-	-	-	-	-	-	-	-
IE	-	-	-	-	-	-	-	-
EL	-	-	-	267	267	53	53	53
ES	2 678	3 691	3 780	3 833	4 365	4 736	4 722	4 722
FR	4 948	4 983	5 746	5 746	6 293	7 142	7 142	7 142
HR	865	601	601	610	610	610	610	610
IT	4 086	4 235	4 346	4 328	4 291	4 022	4 018	3 931
CY	-	-	-	-	-	-	-	-
LV	766	766	766	860	417	417	340	339
LT		400	500	500	500	500	500	500
LU	-	-	-	-	-	-	-	-
HU	2 574	2 071	2 061	2 032	2 209	2 215	2 236	2 236
MT	-	-	-	-	-	-	-	-
NL	391	391	391	391	391	391	391	391
AT	777	777	777	777	1 214	1 214	1 214	1 214
PL	2 039	2 278	2 278	2 278	2 362	2 483	2 483	2 483
PT	-	-	147	147	147	147	147	147
RO	3 694	3 546	4 423	4 807	3 346	3 048	3 112	3 112
SI	-	-	-	-	-	-	-	-
SK		515	515	515	510	506	506	506
FI	-	-	-	-	-	-	-	-
SE	-	-	-	-	-	-	-	-
IS	-	-	-	-	-	-	-	-
NO		3 701	7 908	1 189	1 260	1 245	1 571	1 571
CH	239	239	109	109	109	48	48	48
ME	-	-	-	-	-	-	-	-
MK				155	144	144	144	144
AL	-	-	-	-	-	-	-	-
RS					374	279	280	280
TR		1 126	2 112	3 065	3 038	3 053	3 060	3 060
UK	2 462	3 470	3 954	4 501	4 446	4 446	4 446	

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

DE: crude oil pipelines only; includes former GDR: 1990 = 1 323 km.

CS: 1990 = 1 090.

## 2.6.1

## Road MOTORISATION

NUMBER OF PASSENGER CARS PER 1 000 INHABITANTS									%
	1990	1995	2000	2005	2010	2015	2019	2020	CHANGE '19/'20
<b>EU-27</b>	339	377	412	443	480	513	553	560	1.2
<b>EU-28</b>	342	377	414	446	478	508	545		
BE	387	421	456	468	480	497	511	509	-0.4
BG	152	196	245	333	353	442	407	414	1.8
CZ	234	295	336	387	429	485	554	565	2.0
DK	309	320	347	362	389	419	455	466	2.4
DE	461	495	475	493	527	548	574	580	1.1
EE	154	269	333	366	416	514	598	608	1.6
IE	228	276	348	400	416	425	442	446	0.9
EL	169	208	295	391	469	474	504	514	2.0
ES	309	360	429	460	475	481	519	521	0.5
FR	464	468	489	482	487	556	571	567	-0.8
HR	121	155	262	321	353	358	425	433	1.8
IT	483	533	572	597	619	616	663	670	1.1
CY	304	335	384	477	551	575	645	645	0.1
LV	106	134	237	333	307	345	381	390	2.4
LT	133	199	336	442	554	431	536	560	4.4
LU	477	556	622	655	659	661	681	682	0.2
HU	187	218	232	287	299	325	390	403	3.3
MT	337	487	483	525	581	611	597	597	0.1
NL	367	364	409	434	464	477	499	503	0.9
AT	388	452	511	504	530	546	566	570	0.7
PL	138	195	261	323	453	546	642	664	3.4
PT	185	255	333	400	444	457	530	540	2.1
RO	56	97	124	158	214	261	357	379	6.1
SI	294	357	435	479	518	523	556	555	-0.2
SK	166	189	237	243	310	375	439	447	1.9
FI	388	371	412	462	535	594	647	656	1.5
SE	419	411	450	459	460	474	473	476	0.6
IS	468	445	561	625	643	681	741	731	-1.3
LI	582	609	663	699	744	766	774	768	-0.8
NO	380	386	411	437	469	501	522	544	4.3
CH	442	457	492	518	518	535	537	537	0.0
ME					266	283	350	338	-3.4
MK		145	148	124	151	185	205	207	1.1
AL		18	37	62	101	140	176	191	8.6
RS				200	216	259	301	315	4.7
TR	0	49	68	84	102	134	150	157	4.2
UK	361	378	425	467	465	477	491		

**NB:** 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	2015	2019	2020	CHANGE '19/'20
<b>EU-27</b>	142 906	160 511	176 926	193 282	211 305	228 175	247 503	250 411	1.2
<b>EU-28</b>	163 628	182 462	201 993	221 608	240 639	259 346	280 387		
BE	3 864	4 273	4 678	4 919	5 276	5 624	5 889	5 889	0.0
BG	1 317	1 648	1 993	2 538	2 602	3 162	2 830	2 867	1.3
CZ	2 410	3 043	3 439	3 959	4 496	5 115	5 925	6 049	2.1
DK	1 590	1 679	1 854	1 965	2 164	2 391	2 652	2 724	2.7
DE	36 772	40 499	39 059	40 660	42 302	45 071	47 716	48 249	1.1
EE	241	383	464	494	553	677	795	809	1.7
IE	801	998	1 333	1 684	1 899	2 007	2 197	2 234	1.7
EL	1 736	2 205	3 195	4 303	5 217	5 108	5 407	5 492	1.6
ES	11 996	14 212	17 449	20 250	22 147	22 356	24 558	24 717	0.6
FR	27 072	27 872	29 808	30 497	31 657	37 061	38 467	38 346	-0.3
HR	580	711	1 125	1 385	1 515	1 500	1 725	1 746	1.2
IT	27 416	30 301	32 584	34 667	36 751	37 351	39 545	39 718	0.4
CY	179	220	268	355	463	488	573	578	1.0
LV	283	332	557	742	637	679	727	739	1.6
LT	493	718	1 172	1 455	1 692	1 244	1 499	1 565	4.5
LU	183	229	273	307	337	381	426	433	1.6
HU	1 944	2 245	2 365	2 889	2 984	3 197	3 812	3 921	2.9
MT	120	181	189	213	241	275	307	308	0.4
NL	5 509	5 633	6 539	7 092	7 736	8 101	8 678	8 794	1.3
AT	2 991	3 594	4 097	4 157	4 441	4 748	5 040	5 092	1.0
PL	5 261	7 517	9 991	12 339	17 240	20 723	24 360	25 114	3.1
PT	1 849	2 560	3 443	4 200	4 692	4 723	5 452	5 566	2.1
RO	1 292	2 197	2 778	3 364	4 320	5 155	6 903	7 275	5.4
SI	587	711	866	960	1 062	1 079	1 165	1 171	0.5
SK	880	1 016	1 274	1 304	1 669	2 035	2 394	2 440	1.9
FI	1 939	1 901	2 135	2 430	2 877	3 258	3 575	3 633	1.6
SE	3 601	3 631	3 999	4 154	4 335	4 669	4 887	4 943	1.1
IS	120	119	159	187	205	226	270	270	-0.1
LI	17	19	22	24	27	29	30	30	0.0
NO	1 613	1 685	1 852	2 029	2 309	2 610	2 801	2 935	4.8
CH	2 985	3 229	3 545	3 861	4 076	4 458	4 624	4 658	0.7
ME					165	176	218	210	-3.6
MK		286	300	253	310	384	426	429	0.7
AL		59	115	195	295	404	500	539	7.9
RS				1 481	1 566	1 835	2 084	2 165	3.9
TR		3 059	4 422	5 773	7 545	10 589	12 503	13 099	4.8
<b>UK</b>	20 722	21 951	25 067	28 326	29 334	31 171	32 884		

**NB:** 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 in goods vehicles.

FR: 2013-2019 data were revised; data until 2012 included private cars < 15 years old; provisional data for 2020.

## 2.6.3

## Road

### BUSES AND COACHES

## STOCK OF REGISTERED VEHICLES

	1 000								%
	1990	1995	2000	2005	2010	2015	2019	2020	CHANGE '19/'20
<b>EU-27</b>	665.3	678.4	693.1	689.8	706.1	718.4	762.7	740.3	-2.9
<b>EU-28</b>	740.3	754.3	781.7	795.4	817.7	831.8	873.6		
BE	15.6	14.6	14.7	15.4	16.2	16.1	16.5	16.4	-0.7
BG	34.6	41.8	43.0	37.8	24.5	24.1	20.7	19.5	-6.0
CZ	20.5	20.5	19.0	20.9	20.4	20.7	22.2	20.0	-10.1
DK	8.1	13.7	14.0	14.4	14.5	13.4	13.0	12.3	-5.4
DE	100.4	85.4	77.2	75.2	76.5	78.3	81.4	75.5	-7.1
EE	7.9	7.0	6.1	5.2	4.2	4.8	5.2	5.3	1.2
IE	4.0	5.3	7.0	7.6	8.2	9.3	11.4	10.4	-9.2
EL	21.4	24.6	27.0	26.8	27.3	26.6	26.5	26.5	0.2
ES	45.8	47.4	54.7	58.2	62.4	60.3	65.5	63.4	-3.2
FR	70.0	79.0	85.7	90.1	89.7	91.5	94.5	93.5	-1.1
HR	5.8	3.9	4.7	4.9	4.9	5.3	6.0	5.2	-13.3
IT	77.7	75.0	88.0	94.4	99.9	98.0	100.1	99.9	-0.3
CY	2.3	2.7	2.9	3.2	3.4	2.7	3.2	2.7	-15.7
LV	12.1	16.5	11.5	10.6	5.4	4.8	4.5	4.1	-9.8
LT	15.2	17.6	15.5	15.3	13.7	6.9	7.6	7.7	0.1
LU	0.8	0.9	1.1	1.3	1.6	1.9	2.2	2.3	4.3
HU	26.4	20.5	17.9	17.5	17.6	18.1	19.5	17.0	-12.7
MT	1.0	1.0	1.1	1.1	1.8	2.0	2.3	2.2	-2.3
NL	12.1	11.6	11.4	11.0	11.3	9.4	9.9	9.3	-6.1
AT	9.4	9.8	9.9	9.3	9.6	9.7	10.1	10.1	-0.8
PL	92.4	85.4	82.6	79.6	97.0	109.8	122.6	124.5	1.6
PT	12.1	15.0	19.8	14.7	15.4	14.7	17.8	15.2	-14.7
RO	28.3	42.0	40.7	39.3	40.9	47.3	53.8	54.2	0.7
SI	3.1	2.5	2.3	2.3	2.4	2.6	2.9	2.3	-18.9
SK	14.3	12.1	11.1	9.4	9.6	9.3	9.3	8.2	-11.9
FI	9.3	8.1	9.9	10.9	13.7	16.9	19.1	19.3	0.8
SE	14.6	14.6	14.4	13.5	13.9	14.1	14.9	13.5	-9.6
IS	1.3	1.3	1.7	1.9	1.9	2.5	3.2	3.1	-2.8
LI			0.1	0.1	0.1	0.1	0.1	0.1	-26.5
NO	21.2	32.5	36.7	28.8	20.3	16.7	15.9	16.1	1.4
CH	31.2	36.5	40.3	45.8	52.8	65.7	83.1	88.3	6.3
ME						1.3	1.5	1.0	-34.3
MK	2.3	2.5	2.5	2.3	2.7	3.2	3.1	2.6	-16.9
AL		6.7	16.8	29.5	7.0	6.4	7.5	7.6	1.2
RS				9.7	8.0	9.5	10.4	9.9	-5.2
TR	188.1	263.2	354.3	501.9	595.5	666.3	706.7	705.8	-0.1
UK	75.0	75.9	88.6	105.6	111.5	113.3	110.9		

**NB:** 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 (BG: includes trolleybuses).  
FR: 2015-2019 data were revised due to change in methodology.

## Road

### GOODS VEHICLES

2.6.4

#### STOCK OF REGISTERED VEHICLES

	1 000							%	
	1990	1995	2000	2005	2010	2015	2019	2020	CHANGE '19/'20
<b>EU-27</b>		20 297	23 988	27 389	30 538	32 291	35 192	35 516	0.9
<b>EU-28</b>		22 862	26 917	30 942	34 335	36 534	39 964		
BE	380	442	548	662	738	815	938	963	2.7
BG	162	223	259	334	334	444	452	461	2.0
CZ		219	298	439	598	652	724	732	1.2
DK	287	334	385	470	485	437	423	419	-1.0
DE	1 653	2 379	2 419	2 405	2 619	2 995	3 495	3 629	3.8
EE	68	66	82	86	81	102	131	135	3.2
IE	143	142	206	287	327	331	367	378	3.0
EL	766	884	1 057	1 186	1 319	1 323	1 359	1 374	1.1
ES	2 401	3 024	3 923	4 850	5 303	5 047	5 249	5 266	0.3
FR	4 840	5 116	5 152	5 347	5 841	6 470	6 608	6 505	-1.6
HR		73	123	163	158	149	194	202	4.5
IT	2 208	2 510	3 087	3 786	4 142	4 098	4 368	4 417	1.1
CY	74	101	115	118	121	104	115	116	1.5
LV		69	97	113	72	86	91	92	1.3
LT	83	109	99	122	134	103	136	143	5.4
LU	11	16	25	30	36	40	47	49	3.6
HU	262	278	353	413	451	496	599	616	2.9
MT		41	51	44	42	44	51	52	2.8
NL	553	654	899	1 005	1 004	963	1 084	1 104	1.8
AT	262	303	344	358	397	444	514	532	3.4
PL		1 354	1 879	2 305	2 982	3 428	3 883	3 999	3.0
PT	781	912	1 313	1 308	1 337	1 313	1 513	1 396	-7.8
RO	259	343	427	494	667	856	1 090	1 142	4.7
SI	31	43	54	66	84	91	116	118	2.1
SK	92	103	114	174	276	303	326	327	0.1
FI	264	252	304	364	464	561	649	669	3.0
SE	310	308	374	461	526	596	669	680	1.6
IS	13	15	19	26	30	33	42	43	1.9
LI			2	3	3	3	4	4	0.9
NO	308	350	414	465	527	554	576	580	0.6
CH	252	262	279	307	335	394	452	464	2.7
ME						14	20	20	0.4
MK		23	25	18	33	39	44	45	2.9
AL		29	46	47	84	50	51	49	-4.3
RS				118	152	140	241	256	6.1
TR		830	1 352	2 152	3 125	4 060	4 641	4 798	3.4
UK	2 706	2 565	2 928	3 552	3 797	4 242	4 772		

**NB:** 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	2015	2019	2020	CHANGE '19/'20
<b>EU-27</b>		22 848.7	29 056.9	31 604.4	32 749.4	35 738.4	36 021.3	0.8
<b>EU-28</b>		23 819.7	30 291.9	32 868.8	34 002.5	37 011.8		
BE		277.8	346.3	419.0	465.8	690.7	718.6	4.0
BG	519.3	520.5	146.5	125.4	163.3	199.1	206.3	3.6
CZ	915.0	1 178.6	1 254.0	1 402.0	1 531.7	1 647.2	1 680.3	2.0
DK	58.0	138.3	171.9	203.6	198.0	194.3	195.9	0.8
DE	3 995.5	4 438.1	5 202.9	3 827.9	4 228.2	4 506.4	4 661.6	3.4
EE	3.3	6.7	10.2	19.7	45.5	57.9	60.7	4.8
IE	23.5	30.6	34.3	38.1	37.0	42.5	44.8	5.5
EL		781.4	1 124.2	1 499.1	1 619.6	1 609.9	1 637.6	1.7
ES	1 301.2	1 445.6	4 117.6	4 997.7	5 102.7	5 515.7	5 627.7	2.0
FR	2 289.0	2 410.0	2 475.3	3 561.0	2 694.2	3 034.0	3 058.0	0.8
HR	9.9	21.9	128.4	176.8	151.3	159.4	158.9	-0.3
IT	6 228.3	7 826.9	9 298.4	8 855.0	8 965.6	9 521.5	9 630.9	1.1
CY	50.4	43.3	40.4	40.7	39.3	39.7	40.4	1.6
LV	15.8	20.7	32.5	36.7	49.3	60.4	64.4	6.6
LT	20.0	19.8	24.0	56.3	37.8	53.2	60.9	14.6
LU	28.4	32.8	37.7	42.1	28.3	30.8	32.2	4.6
HU		91.2	122.7	142.3	162.8	185.9	194.6	4.7
MT	17.4	12.4	12.0	14.7	19.2	30.3	32.1	6.1
NL	855.0	970.8	1 112.9	1 664.3	1 803.4	1 929.3	1 993.1	3.3
AT	546.4	632.7	627.7	727.9	799.9	860.8	884.5	2.8
PL	929.0	803.0	1 091.2	1 935.1	2 531.5	2 962.0	3 069.2	3.6
PT	216.3	345.9	588.4	498.0	527.6	660.9	162.1	-75.5
RO	327.7	239.2	197.4	85.2	112.9	148.4	162.1	9.2
SI	8.5	11.2	48.7	91.0	100.3	135.8	140.3	3.3
SK	81.8	45.6	56.4	87.9	120.6	147.5	154.4	4.7
FI	159.5	193.4	301.8	486.8	581.1	624.0	636.5	2.0
SE	264.2	310.1	453.1	570.2	632.6	690.9	713.4	3.3
IS	1.9	2.3	4.2	9.7	10.4	13.7	14.3	4.4
LI		2.6	3.1	3.7	4.3	4.7	4.9	5.9
NO	158.6	201.6	257.5	315.5	354.3	357.7	384.6	7.5
CH	688.5	712.7	748.0	790.8	871.3	956.0	1 001.0	4.7
ME					4.2	6.3	5.8	-8.5
MK			1.7	7.8	10.1	12.0	12.8	6.7
AL	6.9	3.8	7.2	24.0	33.1	37.1	41.6	12.2
RS			16.0	37.9	64.2	72.0	77.0	6.9
TR	819.9	1 011.3	1 441.1	2 389.5	2 938.4	3 331.3	3 512.6	5.4
UK	714.0	971.0	1 235.0	1 264.4	1 253.1	1 273.4		

**NB:** 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.

SE: data includes cross-country scooters. CH: mopeds include fast e-bikes.

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 2009 in SK, from 2011 in EE, from 2018 in BE.

## Road PASSENGER CARS

2.6.6

### NEW VEHICLE REGISTRATIONS

	1 000					Zero emission vehicles (%) *			CHANGE '20/'21
	2005	2010	2015	2020	2021	2015	2020	2021	
<b>EU-27</b>	12 754.6	11 407.4	11 100.9	9 953.6	9 710.5	0.4	5.4	9.0	-2.4
<b>EU-28</b>	15 194.3	13 438.2	13 734.4	11 584.7	11 357.7	0.4	5.6		
BE	480.1	547.3	501.1	431.5	383.1	0.3	3.5	5.7	-11.2
BG	32.7	15.6	23.5	22.4	24.5	0.0	1.2	2.2	9.7
CZ	151.7	169.6	230.8	203.0	206.9	0.1	1.6	1.3	1.9
DK	146.9	153.6	207.7	198.1	185.3	2.2	7.2	13.4	-6.5
DE	3 319.3	2 916.3	3 206.0	2 917.7	2 622.1	0.4	6.6	13.4	-10.1
EE	19.6	10.3	20.3	18.8	22.3	0.2	1.9	2.2	19.1
IE	171.7	88.4	124.7	88.3	104.7	0.4	4.5	8.3	18.5
EL	269.7	141.5	72.9	81.0	100.9	0.1	0.8	2.2	24.6
ES	1 528.9	982.0	1 041.3	851.2	859.5	0.1	2.1	2.8	1.0
FR	2 067.8	2 251.7	1 917.5	1 650.1	1 659.0	0.9	6.7	9.8	0.5
HR	102.1	46.2	34.8	36.0	44.9	0.2	1.5	3.3	24.7
IT	2 237.4	1 961.6	1 578.6	1 381.5	1 458.0	0.1	2.4	4.6	5.5
CY	19.2	15.1	10.3	10.1	10.6	0.0	0.4	0.8	5.6
LV	16.6	6.4	13.8	13.9	14.3	0.1	2.1	3.2	3.5
LT	10.5	8.0	17.1	40.2	31.4	0.1	1.1	2.5	-22.0
LU	48.5	49.7	46.5	45.2	44.4	0.2	5.6	10.4	-1.8
HU	199.0	43.5	77.2	128.0	121.9	0.2	2.3	3.5	-4.8
MT	6.6	4.1	13.0	11.1	10.4	0.3	1.2	1.1	-6.8
NL	465.2	482.6	449.4	358.3	322.8	0.7	20.5	20.0	-9.9
AT	307.9	328.6	308.6	248.7	239.8	0.5	6.4	13.9	-3.6
PL	235.5	333.5	355.0	428.3	446.6	0.0	0.9	1.6	4.3
PT	206.5	223.5	178.5	145.4	146.6	0.4	5.4	9.0	0.8
RO <sup>(1)</sup>	172.5	106.3	81.2	126.4	121.2	0.0	2.3	5.2	-4.1
SI	59.3	61.1	59.5	53.7	54.0	0.2	3.1	3.1	0.5
SK	57.1	64.0	78.0	76.3	75.7	0.2	1.2	1.5	-0.8
FI	147.9	107.3	108.8	96.4	98.5	0.2	4.4	10.3	2.1
SE	274.3	289.7	345.0	292.0	301.0	0.9	9.6	19.1	3.1
IS	18.1	3.1	14.0	9.4	12.8	2.8	27.0	33.5	36.1
NO	109.9	127.8	150.7	141.4	176.3	17.1	54.3	64.5	24.7
CH	264.9	292.5	323.9	236.8	238.5	0.9	8.2	13.3	0.7
ME		8.6	13.7	16.4	14.3				-12.8
MK	15.9	49.3	29.3	30.0	39.4				31.6
AL									
RS			112.6	166.2	180.0				8.3
TR	406.8	485.6	725.6	772.8	709.9	0.0	0.1	0.4	-8.1
UK	2 439.7	2 030.8	2 633.5	1 631.1		0.4	6.6		1.0

NB: 2020 figures are provisional.

(\*) Zero emission vehicles include battery electric vehicles and hydrogen vehicles.

(1) Data for RO refers to sales (APIA).

For registrations, see ACAROM figures at [www.acea.be](http://www.acea.be)

## 2.6.7

## Road

### GOODS VEHICLES

#### NEW VEHICLE REGISTRATIONS

	LIGHT COMMERCIAL		COMMERCIAL VEHICLES		HEAVY COMMERCIAL		TOTAL		CHANGE '19/20
	<3.5 t		>3.5 t & <16 t		>16 t				
	2019	2020	2019	2020	2019	2020	2019	2020	
<b>EU-27</b>	1751311	1440352					2084223	1 689483	-18.9
<b>EU-28</b>	2 127 168						2515513		
<b>BE</b>	85 101	75 750	2 672	2 323	9 744	6 375	97 517	84 448	-13.4
<b>BG</b>	10 331	6 501	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	10 331	6 501	-37.1
<b>CZ</b>	20 440	17 115	1 502	1 219	8 393	5 998	30 335	24 332	-19.8
<b>DK</b>	33 045	30 493	457	563	4 583	4 546	38 085	35 602	-6.5
<b>DE</b>	304 925	267 981	28 273	22 538	71 267	52 117	404 465	342 636	-15.3
<b>EE</b>	4 450	3 301	51	48	1 006	457	5 507	3 806	-30.9
<b>IE</b>	25 091	21 512	556	477	1 869	1 641	27 516	23 630	-14.1
<b>EL</b>	7 878	6 848	145	212	289	351	8 312	7 411	-10.8
<b>ES</b>	214 975	158 108	3 971	3 159	20 793	16 176	239 739	177 443	-26.0
<b>FR</b>	478 375	401 154	6 742	5 962	49 519	36 737	534 636	443 853	-17.0
<b>HR</b>	9 143	7 004	284	181	1 127	725	10 554	7 910	-25.1
<b>IT</b>	186 334	158 462	4 525	3 701	18 679	16 279	209 538	178 442	-14.8
<b>CY</b>	1 894	1 440	108	73	12	12	2 014	1 525	-24.3
<b>LV</b>	2 700	2 119	61	60	1 169	654	3 930	2 833	-27.9
<b>LT</b>	4 424	2 979	147	95	7 266	4 093	11 837	7 167	-39.5
<b>LU</b>	5 401	4 727	143	196	1 216	849	6 760	5 772	-14.6
<b>HU</b>	26 203	22 041	514	321	4 760	2 950	31 477	25 312	-19.6
<b>MT</b>	779	630	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	779	630	-19.1
<b>NL</b>	75 860	60 103	1 957	1 614	14 025	9 217	91 842	70 934	-22.8
<b>AT</b>	43 413	36 539	742	507	7 503	5 262	51 658	42 308	-18.1
<b>PL</b>	67 908	56 954	2 757	2 367	25 877	18 319	96 542	77 640	-19.6
<b>PT</b>	38 392	27 297	829	823	3 973	3 812	43 194	31 932	-26.1
<b>RO</b>	18 037	14 266	411	318	6 536	4 186	24 984	18 770	-24.9
<b>SI</b>	8 597	6 256	143	94	2 122	1 252	10 862	7 602	-30.0
<b>SK</b>	8 543	6 375	369	208	3 000	1 511	11 912	8 094	-32.1
<b>FI</b>	15 261	13 389	598	597	2 914	2 328	18 773	16 314	-13.1
<b>SE</b>	53 811	31 008	568	408	6 745	5 220	61 124	36 636	-40.1
<b>IS</b>	1 368	1 025	138	94	162	100	1 668	1 219	-26.9
<b>NO</b>	37 723	32 101	2 012	1 871	5 378	4 092	45 113	38 064	-15.6
<b>CH</b>	40 119	34 612	1 122	1 063	3 609	3 085	44 850	38 760	6.7
<b>UK</b>	375 857	301 549	55 433	37 619	( <sup>2</sup> )	( <sup>2</sup> )	431 290	339 168	-21.4

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

(<sup>2</sup>) The split in UK corresponds to Light Goods Vehicles and Heavy Goods Vehicles with no further separation.

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 '19/20
	<3.5 t		>3.5 t & <16 t		>16 t				
	2019	2020	2019	2020	2019	2020	2019	2020	
<b>EU-27</b>							<b>38 313</b>	<b>29 079</b>	<b>-24.1</b>
<b>EU-28</b>							<b>45 539</b>		
BE	1	0	230	220	1 056	547	1 287	767	-40.4
BG	346	167	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	346	167	-51.7
CZ	1	4	90	66	1 150	1 197	1 241	1 267	2.1
DK	1 101	403	288	200	127	7	1 516	610	-59.8
DE	9	10	886	784	5 199	5 639	6 094	6 433	5.6
EE	0	0	52	75	155	148	207	223	7.7
IE	48	24	123	70	347	74	518	168	-67.6
EL	108	85	125	110	142	110	375	305	-18.7
ES	0	0	677	349	2 541	1 741	3 218	2 090	-35.1
FR	0	0	1 265	941	5 515	5 109	6 780	6 050	-10.8
HR	0	0	61	22	253	92	314	114	-63.7
IT	38	24	1 415	913	2 698	1 985	4 151	2 922	-29.6
CY <sup>(2)</sup>	19	246	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	19	246	1194.7
LV	2	0	76	53	41	56	119	109	-8.4
LT	0	0	229	152	286	163	515	315	-38.8
LU	0	0	32	17	240	180	272	197	-27.6
HU	3	0	95	188	611	444	709	632	-10.9
MT	33	96	40	51	2	2	75	149	98.7
NL	2	0	98	45	836	600	936	645	-31.1
AT	4	1	100	72	1 014	775	1 118	848	-24.2
PL	3 598	1 599	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3 598	1 599	-55.6
PT	0	0	215	183	303	286	518	469	-9.5
RO	5	5	1 241	534	663	283	1 909	822	-56.9
SI	0	0	53	26	149	47	202	73	-63.9
SK	0	0	50	20	315	209	365	229	-37.3
FI	1	1	277	144	315	139	593	284	-52.1
SE	1	1	384	226	933	1 119	1 318	1 346	2.1
IS	47	13	4	8	48	8	99	29	-70.7
NO	36	26	450	295	1 844	1 087	2 330	1 408	-39.6
CH	136	161	170	109	476	462	782	732	-6.4
UK	7 226	5 202	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	7 226		

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

(<sup>2</sup>) The high increase is caused by the renewal of the vehicle fleet of one of the major urban transport companies in Cyprus.

## 2.6.9

## Road MOTORCYCLES

### NEW VEHICLE REGISTRATIONS

								1 000	%
								CHANGE	'19/'20
	1995	2000	2005	2010	2015	2018	2019	2020	
EU-27			1 229.0	1 000.0	794.7	912.1	991.6	1 014.8	2.3
EU-28			1 337.1	1 081.3	900.4	1 012.5	1 092.9		
BE		25.3	25.0	26.4	21.6	23.9	24.2	25.1	3.7
BG		1.2	0.6	0.9	0.8	0.9	1.0	0.8	-15.3
CZ	6.9	3.9	7.6	5.4	13.4	13.9	15.1	17.4	15.0
DK	2.3	3.3	5.8	2.6	2.2	3.5	3.2	3.7	14.7
DE	218.2	252.6	168.7	122.3	151.7	156.1	166.7	220.3	32.2
EE		0.1	0.3	0.5	0.5	0.6	0.7	0.8	7.1
IE		3.8	2.4	1.1	1.0	1.4	1.7	1.6	-4.6
EL		64.0	83.1	61.5	32.5	32.6	37.2	34.6	-7.0
ES		72.0	205.6	134.3	132.5	159.9	177.0	156.2	-11.8
FR		179.6	196.6	231.6	153.2	177.2	197.5	190.7	-3.4
HR			6.7	2.9	1.5	2.8	3.2	2.7	-16.9
IT		524.6	420.5	306.3	172.1	219.7	231.7	218.1	-5.9
CY			2.5	3.1	1.7	2.3	1.9	2.5	31.2
LV			0.4	0.3	0.6	0.8	1.0	1.0	0.1
LT		0.4	1.7	0.2	0.3	0.4	0.6	0.7	25.7
LU	1.0	1.3	1.3	1.6	1.7	2.0	2.1	2.4	13.6
HU			12.5	3.2	2.1	3.1	4.1	4.3	7.0
MT			0.4	0.6	1.3	2.5	3.1	2.4	-24.1
NL	17.8	19.6	16.8	15.2	11.7	13.5	14.4	14.9	3.4
AT	18.7	23.8	19.1	21.4	24.9	26.0	28.0	32.5	16.2
PL			3.8	8.7	23.9	14.6	19.2	21.8	13.6
PT	12.1	17.7	11.2	18.9	17.6	28.3	29.9	29.0	-3.0
RO			0.8	1.6	1.3	2.7	3.9	5.8	48.4
SI		1.2	2.5	2.7	1.9	2.3	2.3	2.0	-12.6
SK			1.2	2.3	5.3	5.3	5.7	5.2	-9.3
FI		5.2	9.2	9.5	3.2	3.2	3.3	3.7	11.9
SE		18.4	22.8	14.8	14.4	12.7	12.8	14.4	12.8
IS		0.2	1.1						
NO			6.2	7.0	6.8	11.3	10.5	11.4	9.2
CH		30.6	40.2	38.2	47.7	40.8	39.2	46.2	17.9
ME					0.7	0.9	1.1	0.8	-29.2
MK	1.0	0.5	0.1	3.2	2.4	3.0	3.2	4.1	30.1
AL									
RS				8.0	3.9	3.7	3.9	5.9	50.2
TR			227.7	135.6	162.8	110.4	94.5	107.9	14.2
UK		121.9	108.1	81.3	105.7	100.4	101.3		

**NB:** SE: Since 2010 national figures are used.  
MT: including e-bicycles.



## Road MOPEDS

2.6.10

### NEW VEHICLE DELIVERIES

	1 000							%
	2000	2005	2010	2015	2018	2019	2020	CHANGE '19/'20
<b>EU-27</b>				336.2	288.6	324.7	372.0	14.6
<b>EU-28</b>				345.6	294.0	330.8		
BE	33.2	17.3	14.2	12.4	21.4	27.1	28.5	5.4
BG	2.1	1.1	2.1	0.8	0.8	1.0	0.4	-57.4
CZ		8.0	2.9	1.5	0.9	1.1	1.2	1.1
DK	9.8	4.9	17.6	8.0	5.6	6.1	8.6	40.7
DE	108.7	97.3	64.9	32.6	25.6	25.2	23.9	-5.2
EE		8.0	0.0	0.7	0.6	0.6	0.5	-15.9
IE	3.0	0.8	0.2	0.2	0.2	0.2	0.2	-30.5
EL	19.2	24.1	18.9	8.6	3.4	2.4	2.7	14.4
ES	248.6	115.1	34.2	16.0	16.1	18.7	22.7	21.1
FR	192.3	154.9	144.5	89.6	72.9	91.0	99.1	8.8
HR		13.2	6.4	1.8	2.5	1.9	1.3	-27.8
IT	311.8	128.3	90.2	24.6	21.3	21.1	21.4	1.1
CY		2.1	0.5	0.2	0.3	0.3	0.2	-13.8
LV		0.6	1.0	1.0	0.6	0.8	0.7	-14.7
LT			1.2	0.7	0.3	0.3	0.2	-54.5
LU	0.5	0.5	0.7	0.9	0.3	0.4	0.4	19.3
HU			3.6	3.3	3.2	3.2	3.7	14.5
MT				0.0	0.1	0.7	0.1	-82.7
NL	66.9	40.9	90.7	66.0	59.4	62.3	84.7	35.9
AT	21.3	27.7	24.9	13.8	11.9	13.0	14.0	7.3
PL		23.3	72.2	30.4	16.4	19.1	18.3	-3.8
PT	15.0		4.6	2.6	2.5	2.2	2.3	2.8
RO			1.1	0.0	0.0	0.0	0.0	-38.9
SI		3.1	3.5	2.3	5.2	4.3	5.1	18.0
SK		2.0	1.8	0.6	0.2	0.3	0.3	-19.2
FI	6.4	20.9	17.9	7.0	4.9	5.2	6.9	32.7
SE	10.0	15.4	13.3	10.6	11.6	16.0	24.7	53.9
IS								
NO		11.9	8.1	7.4	4.2	3.3	3.4	4.3
CH	19.4	3.1	3.1	0.8	0.8	0.9	1.0	9.1
ME								
MK								
AL							0.3	
RS			8.8	2.4	1.9	2.2	2.0	-10.4
TR			1.5	2.3	46.6	60.1	100.5	67.3
UK	48.2	24.7	14.5	9.4	5.4	6.1		

Sources: Association des constructeurs européens de motocycles (ACEM), Eurostat (MT), national sources (BG, CY, RO, CH), estimates (*in italics*). Official statistics on mopeds are often unavailable, therefore data and estimates should be considered as indicative

## 2.6.11

## Sea

### EU MERCHANT FLEET

## SHIPS OF 1 000 gt AND OVER

On 1 January 2021								
	TOTAL FLEET CONTROLLED		NATIONAL FLAG (*)		FOREIGN FLAG (INCLUDING OTHER EU)		% OF FOREIGN FLAG IN TOTAL FLEET	
	Number	dwt (1 000)	Number	dwt (1 000)	Number	dwt (1 000)	Number	dwt (1 000)
<b>EU-27</b>	<b>12 523</b>	<b>680 419</b>	<b>2 812</b>	<b>121 117</b>	<b>9 711</b>	<b>559 302</b>	<b>77.5</b>	<b>82.2</b>
BE	254	29 127	80	9 055	174	20 072	68.5	68.9
BG	67	1 757	12	104	55	1 653	82.1	94.1
CZ	-	-	-	-	-	-	-	-
DK	856	44 556	381	21 854	475	22 702	55.5	51.0
DE	2 401	81 809	165	7 250	2 236	74 559	93.1	91.1
EE	87	674	10	19	77	655	88.5	97.2
IE	99	1 768	40	378	59	1 390	59.6	78.6
EL	5 086	409 840	625	58 880	4 461	350 960	87.7	85.6
ES	196	3 695	85	482	111	3 213	56.6	87.0
FR	356	18 454	123	4 176	233	14 278	65.4	77.4
HR	83	2 428	55	1 442	28	986	33.7	40.6
IT	1 079	48 143	399	8 083	680	40 060	63.0	83.2
CY	214	9 589	55	2 365	159	7 224	74.3	75.3
LV	56	314	3	7	53	307	94.6	97.8
LT	54	252	19	114	35	138	64.8	54.8
LU	12	1 201	0	0	12	1 201	100.0	100.0
HU	-	-	-	-	-	-	-	-
MT	64	1 119	34	426	30	693	46.9	61.9
NL	906	12 607	547	4 626	359	7 981	39.6	63.3
AT	4	31			4	31	100.0	100.0
PL	104	2 633	5	15	99	2 618	95.2	99.4
PT	43	890	22	123	21	767	48.8	86.2
RO	91	1 158	2	24	89	1 134	97.8	97.9
SI	1	6	-	-	1	6	100.0	100.0
SK	-	-	-	-	-	-	-	-
FI	113	1 988	68	674	45	1 314	39.8	66.1
SE	297	6 380	82	1 020	215	5 360	72.4	84.0
IS	14	111	3	1	11	110	78.6	99.1
NO	1 732	78 168	652	17 157	1 080	61 011	62.4	78.1
CH	162	7 890	18	928	144	6 962	88.9	88.2
ME	4	140	4	140	-	-	0.0	0.0
MK	-	-	-	-	-	-	-	-
AL	28	95	10	26	18	69	64.3	72.6
RS	1	5	-	-	1	5	100.0	100.0
TR	1 500	29 232	376	5 492	1 124	23 740	74.9	81.2

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

## 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	2019	2020	2021
Europe (*)	311.246	350.136	400.947	518.276	739.100	843.062	866.235	871.766
of which: EU-27 (**)	223.564	257.975	316.850	432.246	578.157	654.901	680.419	680.419
North America	51.024	49.413	45.414	50.539	82.881	93.243	87.887	91.691
Latin America	18.691	15.679	14.422	30.867	29.608	27.835	33.609	29.746
Asia / Oceania	246.722	292.722	361.311	532.446	805.594	931.773	983.390	1037.398
Africa	6.742	7.121	5.142	6.981	13.451	15.183	15.529	15.291
Unknown	37.956	38.115	52.687	86.555	4.561	5.852	5.607	14.304
<b>TOTAL</b>	<b>672.381</b>	<b>753.226</b>	<b>879.923</b>	<b>1 225.665</b>	<b>1 675.195</b>	<b>1 872.817</b>	<b>1 961.597</b>	<b>2 024.433</b>

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

EU-27 (**)									%
Control of total	33.2	34.2	36.0	35.3	34.5	35.0	34.7	33.6	
Foreign flag share (***)	56.5	68.1	67.8	69.4	75.5	80.2	82.2	82.2	

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

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

(\*\*) EU-27 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

NUMBERS AND DEADWEIGHT						
On 1 January 2021	Number			dwt (1 000)		
(ships of 1 000 gt and over)	WORLD	EU-27	%	WORLD	EU-27	%
<b>TOTAL FLEET</b>	46 350	12 523	27	2 024 433	680 418	34
Tankers	13 644	3 534	26	740 186	257 062	35
OF WHICH:						
Crude oil and oil product tankers	6 387	1 528	24	536 634	193 933	36
Oil / chemical tankers	5 382	1 531	28	126 277	45 270	36
Liquid gas tankers	1 875	480	26	77 275	17 859	23
Bulk carriers	12 085	3 140	26	881 166	249 190	28
Container ships	5 395	2 346	43	281 402	136 590	49
General cargo	12 684	2 895	23	117 619	30 274	26
OF WHICH:						
Conventional cargo	8 598	1 550	18	45 189	9 047	20
Special cargo (*)	1 793	633	35	46 112	12 876	28
Pure car carriers	752	82	11	12 212	1 236	10
Reefer	621	132	21	3 818	1 203	32
Ro-Ro cargo	920	285	31	7 382	3 893	53
Passenger and passenger cargo	2 537	721	28	6 958	2 443	35

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

NUMBERS AND GROSS TONS						
On 1 January 2021	Number			gt (1 000)		
(ships of 300 gt and over)	WORLD	EU-27	%	WORLD	EU-27	%
<b>TOTAL</b>	5 203	1 364	26	44 679	17 196	38
Cargo passenger and Ro-Ro passenger ships	3 065	855	28	18 823	9 508	51
Passenger (not Ro-Ro)	2 138	509	24	25 856	7 688	30

#### Up to December 2020 (\*\*)

(ships of 1 000 gt and over)	WORLD	EU-27	%	WORLD	EU-27	%
<b>Cruise ships by registered flag</b>	352	107	30	24 426	7 560	31

NB: (\*) 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

PASSENGER AIRCRAFT					
On 31 December 2021					
	50 seats or less	51 to 150 seats	151 to 250 seats	251 seats and more	TOTAL
<b>EU-27</b>	<b>102</b>	<b>635</b>	<b>1 787</b>	<b>426</b>	<b>2 950</b>
BE		21	34	14	69
BG		13	23	2	38
CZ	4	2	30		36
DK	11	10	16	2	39
DE	5	98	214	98	415
EE	7		3		10
IE		5	287	7	299
EL	9	20	53		82
ES	5	83	215	66	369
FR	31	92	124	98	345
HR	2	11	4		17
IT		32	35	10	77
CY		1	2		3
LV	1	27	4		32
LT	3	1	4	1	9
LU		14	4		18
HU	1		129		130
MT	3	1	200	4	208
NL	3	66	76	63	208
AT	3	23	150	5	181
PL	5	43	87	12	147
PT	6	27	53	27	113
RO		16	19		35
SI	2				2
SK			2		2
FI	1	29	19	17	66
SE	10	56	78	16	160
IS	11	2	23	4	40
LI					0
NO	28	12	32		72
CH	10	41	69	16	136
ME		1			1
MK					0
AL		1	4		5
RS		13	1		14
TR	1	5	357	89	452

**NB:** More than 30 000 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

## FREIGHT, SPECIAL, BUSINESS AIRCRAFT

On 31 December 2021

EU-27	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		
BE	1	36			63
BG		6			15
CZ				1	62
DK	4	14	7	1	69
DE	4	88		46	440
EE	9				14
IE	14	15			28
EL	5	1		3	16
ES	27	11	5	9	62
FR		19	2	2	143
HR					16
IT	3	9		19	72
CY					12
LV	2				1
LT		1	3	1	12
LU	1	26		6	84
HU	6	2	1		15
MT		6			202
NL		4		1	32
AT	2			7	222
PL	17		1		44
PT		4		4	117
RO					11
SI		2			14
SK					14
FI		3			12
SE	20	4		20	36
IS		11		2	
LI					3
NO				2	13
CH	6	3		5	132
ME					2
MK					5
AL					1
RS					25
TR		31		17	84

**NB:** 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	2015	2019	2020	% CHANGE '19/'20
<b>EU-27</b>			46 374	53 322	53 495	53 696	56 531	5.3
<b>EU-28</b>			49 551	64 032	64 842	65 043		
BE	1 727	1 670	1 518	1 341	1 188	1 188	1 188	0.0
BG	1 119	762	669	624	440	450	311	-30.9
CZ		3 596	3 163	2 258	2 285	2 162	2 161	0.0
DK	524	415	464	495	881	741	725	-2.2
DE	14 437	9 656	7 742	15 613	16 613	16 804	17 010	1.2
EE	300	196	344	374	358	266	238	-10.5
IE	166	224	412	572	482	482	482	0.0
EL	400	244	289	306	258	217	217	0.0
ES	1 922	1 693	1 946	1 732	1 634	1 595	1 595	0.0
FR	7 422	7 158	6 948	6 849	7 614	7 566	7 838	3.6
HR	563	480	377	284	298	266	267	0.4
IT	4 818	4 697	4 674	4 494	2 631	2 048	1 947	-4.9
CY	-	-	-	-	-	-	-	-
LV	739	433	358	196	204	177	157	-11.3
LT	389	419	365	275	240	224	227	1.3
LU	97	124	145	91	89	119	119	0.0
HU	2 040	1 453	1 385	1 275	1 225	1 081	1 071	-0.9
MT	-	-	-	-	-	-	-	-
NL	2 372	1 965	2 078	2 411	2 780	3 333	3 349	0.5
AT	1 543	1 530	1 500	2 081	1 972	1 949	2 006	2.9
PL	5 483	5 293	5 828	5 657	5 526	5 197	7 846	51.0
PT	530	589	439	363	231	247	247	0.0
RO	4 515	3 440	2 186	2 158	2 095	2 995	2 779	-7.2
SI	358	300	261	267	401	389	410	5.4
SK		1 570	1 204	1 035	978	788	780	-1.0
FI	669	735	702	644	650	641	641	0.0
SE	1 234	1 032	1 377	1 927	2 422	2 771	2 920	5.4
IS	-	-	-	-	-	-	-	-
NO	502	299	289	544	270	279	279	0.0
CH	1 254	1 528	2 198	1 745	1 694	1 501	1 509	0.5
ME						37	37	0.0
MK	92	101	73	63	53	59	59	0.0
AL								
RS					506	239	255	6.7
TR	897	849	735	673	864	799	901	12.8
UK	5 610		3 177	10 710	11 347	11 347		

**NB:** Data relates to main railway undertakings.

Values on this table consider the declared values of locomotives (diesel + electric) and railcars (diesel + electric) and in some cases multiple units.

EL, FI, NO: figures in italics refer to value of previous year.

BE: 2013 data.

UK: 2014 data.

DE: includes former GDR: 1990=6 331.

CS: 1990: 6 010.

## 2.6.16

## Rail

## PASSENGER TRANSPORT VEHICLES

## STOCK OF COACHES, RAILCARS AND TRAILERS

	1990	2000	2005	2010	2015	2018	2019	2020	% CHANGE '19/'20
<b>EU-27</b>		<i>100 981</i>	<i>90 831</i>	<i>89 486</i>	<i>86 554</i>	<i>85 959</i>	<i>86 062</i>	<i>84 827</i>	-1,4
<b>EU-28</b>		<i>111 405</i>	<i>101 765</i>	<i>101 237</i>	<i>98 858</i>	<i>98 263</i>	<i>98 366</i>		
BE	3 286	3 494	3 251	3 412	2 345	3 838	3 838	3 838	0,0
BG	2 386	2 099	1 558	1 369	756	778	766	667	-12,9
CZ		5 252	4 895	4 514	4 139	3 845	3 816	3 771	-1,2
DK	1 594	1 590	1 473	1 307	2 209	1 999	1 927	1 927	0,0
DE	24 139	21 097	20 169	18 565	18 990	18 059	18 133	17 874	-1,4
EE	596	241	234	217	280	273	267	199	-25,5
IE	314	421	581	592	426	426	426	426	0,0
EL	810	505	564	718	707	707	312	312	0,0
ES	3 839	4 315	5 236	5 365	4 292	4 267	4 420	4 323	-2,2
FR	15 798	15 694	15 879	13 521	16 909	17 587	17 873	18 246	2,1
HR	1 052	720	579	523	545	497	452	527	16,6
IT	14 025	11 914	10 066	12 465	9 762	8 692	8 588	7 837	-8,7
CY	-	-	-	-	-	-	-	-	-
LV	1 226	702	490	238	374	370	370	370	0,0
LT	664	563	467	337	217	192	171	165	-3,5
LU	114	149	185	214	242	251	251	255	1,6
HU	4 385	3 232	2 787	3 136	2 495	2 176	2 132	2 042	-4,2
MT	-	-	-	-	-	-	-	-	-
NL	2 268	2 742	852	2 824	2 791	3 165	3 233	3 274	1,3
AT	3 689	3 468	3 112	2 974	2 646	2 834	3 004	2 935	-2,3
PL	11 928	9 761	8 843	7 885	7 409	6 764	6 808	6 392	-6,1
PT	1 232	1 303	1 125	965	977	981	990	988	-0,2
RO	6 352	6 234	3 310	3 037	2 329	2 312	2 312	2 216	-4,2
SI	606	461	401	355	349	347	348	356	2,3
SK		2 273	1 808	1 530	1 406	1 289	1 303	1 377	5,7
FI	957	1 003	1 084	1 071	1 101	1 226	1 226	1 226	0,0
SE	1 747	1 748	1 882	2 352	2 858	3 084	3 096	3 284	6,1
IS	-	-	-	-	-	-	-	-	-
NO	900	918	191	210	386	394	394	394	0,0
CH	4 136	3 333	4 293	4 949	5 245	5 474	5 566	5 940	6,7
ME			83			35	34	27	-20,6
MK	175	164	125	64	67	67	67	67	0,0
AL									
RS					817	542	467	464	-0,6
TR	1 443	1 415	1 312	1 342	1 467	1 332	1 521	1 338	-12,0
UK		<i>10 424</i>	<i>10 934</i>	<i>11 751</i>	<i>12 304</i>	<i>12 304</i>	<i>12 304</i>		

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

LV, RO, FI, MK, NO: figures in italics refer to value of previous year.

BE: 2017 data.

UK: 2014 data.

DE: includes former GDR: 1990 = 9635.

CS: 1990 = 8597.



## Rail

2.6.17

## GOODS TRANSPORT WAGONS

## STOCK OF VEHICLES

	1990	2000	2005	2010 (*)	2015 (*)	2019 (*)	2020
<b>EU-27</b>							
<b>EU-28</b>							
BE	30 332	18 790	17 375	11 612	<i>11 612</i>	7 123	7 123
BG	42 459	29 720	16 511	11 751	4 572	4 877	4 838
CZ		58 524	44 545	27 416	25 863	21 835	21 611
DK	4 632	2 236					
DE	366 724	189 558	158 247	108 840	88 066	79 531	78 101
EE		5 857	18 971	17 575	21 501	22 752	22 852
IE	1 830	1 856	926	502	254	254	254
EL	10 967	3 453	3 491	3 158	3 522	715	715
ES	37 687	26 452	23 842	14 337	11 353	10 168	10 162
FR	148 100	94 789	95 738	25 314	14 052	12 347	13 976
HR	13 720	9 986	7 330	6 674	5 519	5 252	5 251
IT	99 728	70 115	45 730	30 331	20 270	13 697	13 173
CY	-	-	-	-	-	-	-
LV	11 085	9 146	8 871	9 033	9 807	7 215	6 107
LT	12 860	13 155	13 192	9 238	8 574	7 692	7 514
LU	2 719	2 626	3 222	4 147	3 006	3 175	3 154
HU		23 528	19 130	11 357	8 916	8 679	8 640
MT	-	-	-	-	-	-	-
NL	6 697	4 700					
AT	34 330	23 970	22 655	21 015	19 294	17 895	17 511
PL	275 582	130 116	103 234	89 270	86 364	86 796	83 011
PT	4 579	4 162	3 495	3 194	3 283	2 684	2 719
RO	166 086	117 982	65 175	72 605	36 858	33 201	32 905
SI	8 692	6 258	4 465	3 211	3 049	2 692	2 693
SK		26 975	25 515	15 260	15 533	13 182	12 968
FI	15 200	12 630	11 216	10 464	8 854	8 741	8 741
SE	27 470	17 596	16 637	15 166			
IS	-	-	-	-	-	-	-
NO							
CH	27 104	19 894	18 339	8 794	6 467	5 247	5 344
ME	-	-	-	-	-	-	-
MK			1 525	1 144	1 161	1 242	1 204
AL							
RS					8 486	5 661	5 661
TR	21 941	17 872	17 499	17 773	19 077	17 025	16 951
UK	34 403						
UK	21 941	17 872	17 499	17 773	19 077	17 025	16 951

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

Data relate to main railways (UIC members).

FI, IE, RS: figures in italics refer to value of previous year.

BE: 2009 data (UIC).

DE: includes former GDR: 1990 = 163 158.

## 2.7.1

## Road fatalities

	1990	2000	2005	2010	2015	2019	2020	%	
								CHANGE '19/'20	CHANGE '01/'20
<b>EU-27</b>	<b>71 774</b>	<b>53 502</b>	<b>42 607</b>	<b>29 611</b>	<b>24 358</b>	<b>22 756</b>	<b>18 834</b>	<b>-17.2</b>	<b>-63.3</b>
<b>EU-28</b>	<b>77 176</b>	<b>57 082</b>	<b>45 943</b>	<b>31 516</b>	<b>26 162</b>	<b>24 564</b>			
BE	1 976	1 470	1 089	850	762	646	499	-22.8	-66.4
BG	1 567	1 012	957	776	708	628	463	-26.3	-54.2
CZ	1 291	1 486	1 286	802	734	618	518	-16.2	-61.1
DK	634	498	331	255	178	199	163	-18.1	-62.2
DE	11 046	7 503	5 361	3 648	3 459	3 046	2 719	-10.7	-61.0
EE	436	204	170	79	67	52	59	13.5	-70.4
IE	478	418	400	212	162	140	146	4.3	-64.6
EL	1 737	2 037	1 658	1 258	793	688	584	-15.1	-68.9
ES	9 032	5 777	4 442	2 479	1 689	1 755	1 370	-21.9	-75.2
FR	11 215	8 079	5 318	3 992	3 459	3 237	2 538	-21.6	-68.9
HR	1 360	655	597	426	348	297	237	-20.2	-63.4
IT	7 151	7 061	5 818	4 114	3 428	3 173	2 395	-24.5	-66.2
CY	101	111	102	60	57	52	48	-7.7	-51.0
LV	947	635	442	218	188	132	139	5.3	-75.1
LT	1 001	641	773	299	242	186	175	-5.9	-75.2
LU	71	76	47	32	36	22	26	18.2	-62.9
HU	2 432	1 200	1 278	740	644	602	460	-23.6	-62.9
MT	4	15	17	13	11	16	11	-31.3	-31.3
NL	1 376	1 082	750	537	531	586	515	-12.1	-48.1
AT	1 558	976	768	552	479	416	344	-17.3	-64.1
PL	7 333	6 294	5 444	3 908	2 938	2 909	2 491	-14.4	-55.0
PT	2 646	1 877	1 247	937	593	688	536	-22.1	-67.9
RO	3 782	2 466	2 629	2 377	1 893	1 864	1 644	-11.8	-32.9
SI	517	314	258	138	120	102	80	-21.6	-71.2
SK	662	628	606	371	310	270	247	-8.5	-59.8
FI	649	396	379	272	270	211	223	5.7	-48.5
SE	772	591	440	266	259	221	204	-7.7	-65.0
IS	24	32	19	8	16	6	8	33.3	-66.7
NO	332	341	224	208	117	108	93	-13.9	-66.2
CH	954	592	409	327	253	187	227	21.4	-58.3
ME				95	51	47	48	2.1	
MK		162	143	162	148	132	125	-5.3	23.4
AL		280	307	352	270	227	181	-20.3	-23.6
RS				656	601	534	492	-7.9	
TR	6 317	5 510	4 505	4 045	7 530	5 473	4 866	-11.1	24.8
UK	5 402	3 580	3 336	1 905	1 804	1 808			

**NB:** 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). As of 2018 PT includes data for Azores and Madeira.

For the NL, the number of fatalities registered by the police is under-reported and equates to around 85 % of the total number of fatalities published nationally (total in 2020 was 610).

## Road fatalities country rankings 2.7.2

## FATALITIES

						2020
per million inhabitants		per 10 billion pkm		per million passenger cars		
SE	20	SE	22	MT	36	
MT	21	DK	28	SE	42	
DK	28	IE	28	ES	56	
ES	29	SI	32	DE	57	
IE	29	DE	33	NL	59	
NL	30	FI	34	IT	60	
DE	33	LU	36	LU	60	
FR	38	FR	40	DK	61	
SI	38	MT	44	FI	62	
AT	39	ES	44	IE	66	
IT	40	EE	46	FR	66	
FI	40	IT	46	AT	68	
LU	41	NL	48	SI	68	
<b>EU-27</b>	<b>42</b>	<b>EU-27</b>	<b>51</b>	EE	74	
BE	43	AT	52	<b>EU-27</b>	<b>76</b>	
EE	44	BE	53	CY	83	
SK	45	EL	60	BE	85	
HU	47	LT	61	CZ	87	
CZ	48	PT	61	PT	97	
PT	52	HU	70	PL	101	
CY	54	CZ	71	SK	102	
EL	55	CY	77	EL	107	
HR	59	BG	88	LT	114	
LT	63	LV	90	HU	119	
PL	66	SK	93	HR	137	
BG	67	PL	109	BG	163	
LV	73	HR	110	LV	190	
RO	85	RO	156	RO	232	

**NB:** 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.

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

Inhabitants: the average population in 2020, Eurostat [demo\_gind].

Passenger cars: the average stock of vehicles indicated in table 2.6.2 for 2019 and 2020.

## 2.7.3a

## Road fatalities

### BY TYPE OF USER

	YEAR	TOTAL	DRIVERS	PASSENGERS	CYCLISTS	MOPED/MOTOR- BIKE RIDERS AND PASSENGERS	PEDESTRIANS	VULNERABLE ROAD USERS AS % OF TOTAL	PEDESTRIANS AS % OF TOTAL
BE	2020	499	204	51	87	91	65	49	13
BG	2020	463	197	113	19	37	94	32	20
CZ	2020	518	223	87	51	62	95	40	18
DK	2020	163	75	19	27	19	23	42	14
DE	2020	2 719	1 069	293	426	552	379	50	14
EE	2020	59	31	9	1	3	14	31	24
IE	2016	182	77	38	10	22	35	37	19
EL	2020	584	224	60	12	212	76	51	13
ES	2020	1 370	522	172	71	345	260	49	19
FR	2020	2 538	1 066	327	178	579	388	45	15
HR	2020	237	100	40	9	49	38	41	16
IT	2020	2 395	922	244	175	645	409	51	17
CY	2020	48	16	4	1	14	13	58	27
LV	2020	139	48	23	17	8	43	49	31
LT	2020	175	56	35	12	18	52	47	30
LU	2020	26	9	3	3	7	4	54	15
HU	2020	460	182	71	40	58	109	45	24
MT	2019	16	0	7	0	4	5	56	31
NL	2020	515	208	-	158	70	35	51	7
AT	2020	344	138	37	40	78	51	49	15
PL	2020	2 491	882	414	249	315	631	48	25
PT	2020	536	200	74	19	142	101	49	19
RO	2020	1 644	474	307	191	85	587	52	36
SI	2020	80	32	11	8	22	7	46	9
SK	2020	247	126	38	24	10	49	34	20
FI	2020	223	120	28	31	22	22	34	10
SE	2019	221	94	40	17	35	27	36	12

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

For some countries, there are some minor discrepancies between the total and the sum of the types of user due to a small number of unknown cases.

Vulnerable road users comprise pedestrians, cyclists, moped and motorbike riders.

NL - 2020 data on passengers not available.

## Road fatalities of vehicle occupants 2.7.3b

### BY TYPE OF VEHICLE

	YEAR	TOTAL	CAR & TAXI	MOTOR CYCLE	MOPED	BUS AND COACH	PEDAL CYCLE	AGRICULTURAL TRACTOR	HEAVY GOODS VEHICLE	LORRY, <3.5 TONNES	OTHER OR UNKNOWN
BE	2020	434	221	78	13	1	87	3	17	11	3
BG	2020	369	260	32	5	8	19	0	21	0	24
CZ	2020	423	269	58	4	3	51	0	35	0	3
DK	2020	140	80	11	8	0	27	0	2	8	4
DE	2020	2 340	1 170	499	53	10	426	20	61	63	38
EE	2020	45	7	3	0	0	1	0	4	-	30
IE	2016	147	106	22	-	0	10	-	3	5	1
EL	2020	508	205	188	24	0	12	26	10	38	5
ES	2020	1 110	544	313	32	3	71	15	45	57	30
FR	2020	2 150	1 243	479	100	3	178	10	33	59	45
HR	2020	199	126	44	5	0	9	4	4	4	3
IT	2020	1 986	1 018	586	59	1	175	12	36	81	18
CY	2020	35	18	14	0	0	1	1	1	0	0
LV	2020	96	64	6	2	0	17	2	3	1	1
LT	2020	123	78	17	1	0	12	1	2	5	7
LU	2020	22	9	7	0	0	3	1	0	2	0
HU	2020	351	219	42	16	2	40	-	9	20	3
MT	2019	11	7	4	0	0	0	0	0	0	0
NL	2020	480	198	44	26	0	158	-	4	21	29
AT	2020	293	146	74	4	1	40	3	5	15	5
PL	2020	1 860	1 162	244	71	9	249	3	31	73	18
PT	2020	435	198	116	26	1	19	13	9	41	12
RO	2020	1 057	617	64	21	4	191	12	11	69	68
SI	2020	73	29	16	6	0	8	1	1	1	11
SK	2020	198	128	-	10	1	24	0	2	9	24
FI	2020	201	127	20	2	0	31	5	3	10	3
SE	2019	194	103	29	6	0	17	2	3	26	8

**NB:** Persons deceased within 30 days of their accident.  
Pedestrians killed are excluded from this table (see 2.7.3a).

## 2.7.4

## Road accidents

## NUMBER OF ACCIDENTS INVOLVING PERSONAL INJURY

	1 000								%
	1990	1995	2000	2005	2010	2015	2019	2020	CHANGE '19/20
EU-27	1236.48	1195.68	1263.54	1138.27	973.60	944.25	936.80	752.45	-19.7
EU-28	1502.08	1433.02	1505.65	1341.98	1133.68	1090.46	1065.18		
BE	62.45	50.74	49.07	49.31	45.75	40.30	37.70	30.23	-19.8
BG	6.48	7.44	6.89	8.22	6.61	7.23	6.73	5.71	-15.2
CZ	21.91	28.75	25.45	25.24	19.68	21.56	20.81	18.42	-11.5
DK	9.16	8.37	7.35	5.41	3.50	2.85	2.81	2.53	-10.0
DE	389.35	388.00	382.95	336.62	288.30	305.66	300.14	264.50	-11.9
EE	2.10	1.64	1.50	2.34	1.35	1.39	1.41	1.41	-0.3
IE	6.07	8.12	7.75	6.53	5.78	5.83	5.88	5.88	
EL	19.61	22.80	23.00	16.91	15.03	11.44	10.71	9.08	-15.2
ES	101.51	83.59	101.73	91.19	85.50	97.76	104.08	72.96	-29.9
FR	162.57	132.95	121.22	84.53	67.29	56.60	56.01	45.12	-19.4
HR	14.47	12.67	14.43	15.68	13.27	11.04	9.69	7.71	-20.5
IT	161.78	182.76	256.55	240.01	213.00	174.54	172.18	118.30	-31.3
CY	3.17	3.05	2.41	1.38	1.20	0.66	0.49	0.34	-30.4
LV	4.33	4.06	4.48	9.31	3.19	3.69	3.73	3.40	-8.7
LT	5.14	4.14	5.81	6.77	3.53	3.03	3.19	2.83	-11.4
LU	1.22	1.15	0.90	0.78	0.88	0.98	0.99	0.77	-21.9
HU	27.80	19.82	17.49	20.78	16.31	16.33	16.63	13.78	-17.1
MT	0.24	0.97	1.25	0.85	0.58	1.38	1.34	1.34	
NL	44.89	42.64	42.27	27.01	10.78	18.52	19.05	17.04	-10.5
AT	46.34	38.96	42.13	40.90	35.35	37.96	35.74	30.67	-14.2
PL	50.53	56.90	57.33	48.10	38.83	32.97	30.29	23.54	-22.3
PT	45.11	48.34	44.46	37.07	35.43	31.95	37.25	27.73	-25.6
RO	9.71	9.12	7.89	19.82	26.00	28.94	31.15	22.81	-26.8
SI	5.18	6.57	8.95	10.51	7.66	6.58	6.02	4.78	-20.7
SK	8.24	8.71	7.88	7.90	6.13	5.17	5.11	4.30	-15.7
FI	10.18	7.81	6.63	7.02	6.07	5.19	4.00	3.61	-9.8
SE	16.98	15.63	15.77	18.09	16.63	14.70	13.68	13.68	
IS	0.56	1.06	0.98	0.67	0.88	0.91	0.77	0.73	-5.6
NO	8.80	8.63	8.44	8.09	6.43	4.56	3.58	3.50	-2.2
CH	23.83	23.03	23.74	21.71	19.61	17.74	17.76	16.90	-4.9
ME					1.52	1.55	1.92	1.49	3.7
MK	2.30	2.44	1.67	2.82	4.22	3.85	3.23	3.70	-13.6
AL		0.40	0.43	0.85	1.56	1.99	1.50	1.23	-12.8
RS					14.20	13.66	14.24	12.31	0.1
TR	55.77	66.03	75.20	87.27	116.80	183.01	174.90	150.28	-6.2
UK	265.60	237.34	242.12	203.71	160.08	146.20	128.38		

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

As of 2018 PT includes data for Azores and Madeira.

2019 figures for IE, LT, MT, UK refers to 2018.

## Railway fatalities

2.7.5

NUMBER OF RAILWAY PASSENGERS KILLED  
IN ACCIDENTS INVOLVING RAILWAY

	1990	2000	2005	2010	2015	2016	2017	2018	2019	2020
<b>EU-27</b>			<b>58</b>	<b>63</b>	<b>27</b>	<b>44</b>	<b>12</b>	<b>13</b>	<b>16</b>	<b>10</b>
<b>EU-28</b>			<b>58</b>	<b>63</b>	<b>27</b>	<b>44</b>	<b>15</b>	<b>16</b>	<b>16</b>	
BE	0	3	0	18	0	2	1	0	0	0
BG			3	0	2	1	0	0	0	0
CZ		1	4	2	6	4	1	0	1	2
DK	1	3	0	0	0	0	0	0	8	0
DE	50	38	7	0	3	7	2	1	0	1
EE			0	0	0	0	0	0	0	0
IE	1	2	0	0	0	0	0	0	0	0
EL	0	20	0	1	0	0	1	0	1	0
ES	4	0	1	15	0	3	1	0	0	0
FR	30	15	5	2	4	2	1	0	2	2
HR			1	1	0	0	0	0	0	0
IT	9	8	22	7	2	19	2	4	1	1
CY	-	-	-	-	-	-	-	-	-	-
LV			0	0	0	0	0	0	1	0
LT			0	0	0	0	0	0	0	0
LU	0	0	0	0	0	0	0	0	0	0
HU	33	11	6	3	3	4	1	3	1	3
MT	-	-	-	-	-	-	-	-	-	-
NL	2	0	0	0	0	1	0	0	0	0
AT	6	4	1	0	1	0	0	1	0	0
PL	21	20	0	7	3	1	1	2	0	0
PT	22	2	7	1	0	0	0	0	0	0
RO		0	1	4	3	0	0	0	0	1
SI		0	0	0	0	0	0	1	0	0
SK		0	0	0	0	0	1	1	1	0
FI	0	2	0	0	0	0	0	0	0	0
SE	3	0	0	2	0	0	0	0	0	0
IS	-	-	-	-	-	-	-	-	-	-
NO	4	32	0	0	0	0	0	1	0	0
CH	8	2	3	0	0	0	0	0	0	0
ME					0	0	0	0	0	0
MK			0	0	0	0	0	0	0	0
AL										
RS					0	0	4	0	0	0
TR	17	9	10	3	0	1	0	32	1	0
UK	37	20	8	0	0	0	3	3*	0	1

NB: (\*) Includes the figure for Channel Tunnel (2 in 2018).

## 2.7.6

## Air LIVES LOST

PERIOD	Lives lost over EU-27 territory by any operator	Lives lost by EU-27 operators anywhere
1990	0	46
1991	32	264
1992	154	147
1993	8	6
1994	3	7
1995	119	70
1996	12	11
1997	71	1
1998	24	62
1999	40	63
2000	112	110
2001	120	123
2002	96	25
2003	3	3
2004	0	0
2005	144	128
2006	3	4
2007	0	0
2008	154	154
2009	9	228
2010	0	0
2011	6	6
2012	1	1
2013	0	0
2014	0	120
2015	150	150
2016	2	2
2017	0	0
2018	0	0
2019	0	0
2020	0	0
2021	0	0
<b>1970 – 1979/yr.*</b>	<b>312</b>	<b>328</b>
<b>1980 – 1989/yr.*</b>	<b>179</b>	<b>128</b>
<b>1990 – 1999/yr.</b>	<b>46</b>	<b>68</b>
<b>2000 – 2009/yr.</b>	<b>64</b>	<b>78</b>
<b>2010 – 2021/yr.</b>	<b>13</b>	<b>23</b>

**NB:** (\*) UK is included.

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



## Sea

2.7.7

## SHIPS LOST (WORLD) – BY TYPE

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
2016	1	2	4	124	35	123
2017	3	7	4	196	41	168
2018	3	90	5	92	30	97
2019	3	9	2	69	40	225
2020	5	8	2	254	27	152

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



PART 3

# ENERGY AND ENVIRONMENT



**PART 3**  
**SUMMARY**

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## Glossary

### 3.1.1

**Conventional thermal power:**

Technology for the production of electricity by combustion. May or may not include 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, along with energy consumption in international maritime and air transport.

**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:

$\text{primary production} + \text{recovered products} + \text{imports} + \text{stock changes} - \text{exports} - \text{bunkers}$

**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 or 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, as described below.

**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), along with 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 reinjected, vented and flared, and any extraction losses. The production includes all quantities used within the natural gas industry, in gas extraction, pipeline systems and processing plants.

**Nuclear heat:**

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

**Hydropower, wind energy, solar photovoltaic energy:**

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

**Geothermal energy:**

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

**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):**

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

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

### 3.1.3 Conversion factors

#### ENERGY

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

#### VOLUME

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

#### MASS

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

#### DECIMAL PREFIXES

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



## Energy statistics for EU-27

3.1.4

	Mtoe	1990	1995	2000	2005	2010	2015	2019	2020
<b>Production (*)</b>	741.7	705.6	675.7	702.8	694.8	656.1	616.7	572.6	
Solid fuels	315.1	246.1	194.9	183.4	153.8	139.1	104.7	86.9	
Oil & petroleum products	40.4	39.6	44.6	45.9	33.1	28.3	22.7	21.3	
Gas	123.1	127.3	112.2	111.1	109.5	72.4	52.3	41.2	
Nuclear	188.6	204.5	222.1	236.8	219.6	203.8	196.2	175.2	
Renewables	70.8	82.7	96.1	118.4	168.2	200.4	227.3	234.2	
Waste, non-renewable	3.7	5.5	5.9	7.2	10.6	12.3	13.6	13.8	
<b>Net imports</b>	744.8	774.0	865.7	954.5	895.4	834.4	907.5	792.9	
Solid fuels	71.5	67.8	83.3	97.9	93.7	96.0	74.4	50.3	
Oil & petroleum products	540.8	560.6	578.5	606.1	550.3	514.5	527.3	461.5	
Gas	129.5	144.9	202.8	248.1	245.9	220.6	300.4	273.5	
Electricity	2.9	0.4	0.8	0.6	0.4	-0.6	0.3	1.2	
Renewables	0.2	0.3	0.3	1.7	5.1	3.6	4.7	6.1	
Other (**)	0.0	0.0	0.0	0.0	0.0	0.4	0.5	0.4	
<b>Gross inland consumption</b>	1 456.8	1 452.0	1 498.3	1 603.9	1 559.1	1 448.0	1 457.9	1 340.1	
Solid fuels	392.6	317.7	284.4	280.4	252.5	239.6	177.1	144.6	
Oil & petroleum products	547.9	570.3	579.8	598.6	538.9	491.5	502.2	437.2	
Gas	249.8	270.6	308.6	359.7	362.8	296.1	335.1	326.9	
Nuclear	188.6	204.5	222.1	236.8	219.6	203.8	196.2	175.2	
Renewables	71.1	83.0	96.5	120.0	173.4	203.9	232.0	239.7	
Other (***)	6.7	5.9	6.9	8.3	11.8	13.1	15.4	16.6	
<b>Gross electricity generation (TWh)</b>	2 275.0	2 408.7	2 656.9	2 916.3	2 979.7	2 900.5	2 902.3	2 781.3	
<b>Bunker fuels</b>									
International maritime	33.2	32.8	40.4	47.2	46.7	40.3	43.1	39.0	
International aviation	18.2	22.5	28.6	31.1	32.1	34.6	41.8	18.0	
<b>Final energy consumption by fuel/product</b>	906.4	892.5	926.0	986.6	973.1	909.4	937.9	885.8	
Solid fuels	104.6	64.3	42.5	35.9	33.2	28.9	24.7	23.2	
Oil & petroleum products	374.2	381.1	396.7	405.2	366.2	338.8	346.0	310.3	
Gas	170.8	187.0	205.1	222.8	217.7	192.3	199.1	193.9	
Electricity	162.3	168.8	189.0	209.4	215.9	210.7	213.3	205.1	
Renewables	38.6	43.6	48.8	60.7	85.7	89.7	104.1	104.2	
Other (**)	56.0	47.8	43.9	52.6	54.4	49.1	50.7	49.0	
<b>by sector</b>									
Industry	310.2	271.7	271.0	275.2	243.9	233.7	239.4	231.2	
Transport (****)	220.7	235.9	262.9	281.6	280.0	272.8	289.0	252.0	
Rail	7.5	7.5	7.4	6.8	6.3	5.4	5.3	4.7	
Road	201.6	218.0	243.2	260.2	260.6	255.6	270.0	238.2	
Domestic aviation	5.0	4.3	5.7	5.8	5.6	5.4	6.5	3.1	
Domestic navigation	5.2	5.1	5.2	5.6	5.0	3.9	4.2	3.6	
Consumption in pipeline transport, etc.	1.4	1.1	1.4	3.2	2.4	2.5	3.0	2.3	
Households	239.8	249.7	248.5	266.2	278.9	245.0	248.2	248.2	
Agriculture and fishing	33.4	31.3	28.4	28.5	26.7	25.7	29.2	29.3	
Services, etc.	102.3	104.0	115.2	135.2	143.7	132.2	132.0	125.0	
<b>CO<sub>2</sub> emissions (Mt) (*****)</b>	3 928.3	3 712.3	3 697.6	3 842.9	3 544.6	3 212.4	3 050.2	2 688.0	
<b>Primary energy intensity 2020-2030 (toe/M€ '15)</b>	166.5	153.2	137.1	135.2	125.3	110.7	101.7	98.7	
<b>CO<sub>2</sub> intensity (tCO<sub>2</sub>/toe)</b>	2.70	2.56	2.47	2.40	2.27	2.22	2.09	2.01	
<b>Import dependency, %</b>	51.2	53.3	57.8	59.5	57.4	57.6	62.3	59.2	
<b>RES share in transport, % (*****)</b>	0.0	0.0	0.0	2.0	5.5	6.8	8.8	10.2	

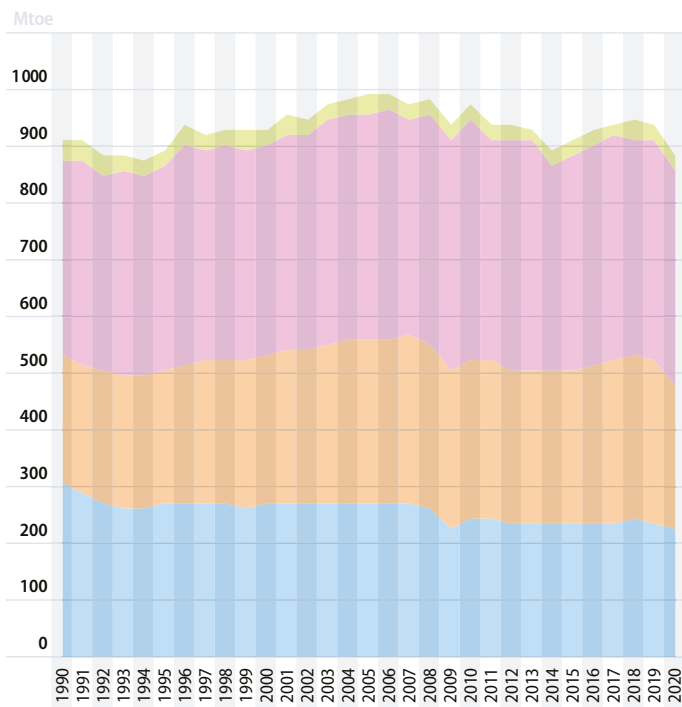
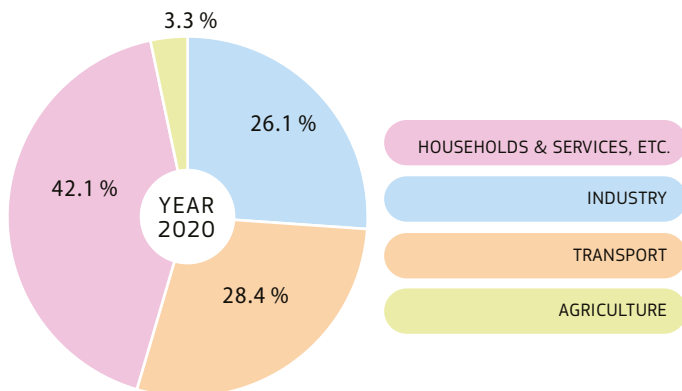
**NB:** (\*) Including recovered products. (\*\*) Derived heat and industrial waste. (\*\*\*) Electrical energy and industrial waste. (\*\*\*\*) Excluding international aviation, in line with changes in the energy balance methodology. (\*\*\*\*\*) Source: European Environment Agency (EEA), June 2022, including international aviation and indirect CO<sub>2</sub> but excluding international maritime and LULUCF (Land Use, Land - Use Change and Forestry). (\*\*\*\*\*) Renewables share in transport, according to the definition in 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 2020 – BY SECTOR (MTOE)

	ALL SECTORS	INDUSTRY	TRANSPORT						HOUSEHOLDS, SERVICES, ETC.			
			Road	Railways	Domestic aviation	Domestic navigation	Consumption in pipeline transport, etc.	Households	Agriculture	Services, etc.		
EU-27	885.8	231.2	252.0	238.2	4.7	3.1	3.6	2.3	402.6	248.2	29.3	125.0
Share	100 %	26 %	28 %	27 %	1 %	0 %	0 %	0 %	45 %	28 %	3 %	14 %
BE	31.0	10.0	7.8	7.4	0.1	0.0	0.2	0.0	13.3	7.9	0.8	4.5
BG	9.5	2.6	3.2	3.1	0.0	0.0	0.0	0.0	3.7	2.4	0.2	1.1
CZ	23.8	6.6	6.4	6.1	0.2	0.0	0.0	0.0	10.8	7.1	0.6	3.0
DK	13.1	2.3	3.9	3.7	0.1	0.0	0.1	0.0	6.9	4.3	0.7	1.9
DE	193.6	54.2	51.0	48.8	1.2	0.3	0.3	0.4	88.5	58.0	3.6	26.8
EE	2.7	0.4	0.8	0.8	0.0	0.0	0.0	0.0	1.5	0.9	0.1	0.5
IE	10.8	2.2	3.5	3.3	0.0	0.0	0.1	0.0	5.2	3.1	0.2	1.8
EL	14.5	2.5	5.1	4.5	0.0	0.1	0.5	0.0	6.8	4.3	0.3	2.2
ES	72.3	18.8	26.2	24.0	0.3	1.0	0.8	0.1	27.3	14.6	3.0	9.8
FR	128.2	25.8	38.2	36.0	0.7	1.0	0.4	0.1	64.2	38.7	4.5	20.9
HR	6.4	1.2	2.0	1.9	0.0	0.0	0.0	0.0	3.3	2.3	0.3	0.8
IT	103.1	23.9	29.0	27.0	0.4	0.3	0.6	0.6	50.2	30.7	3.0	16.6
CY	1.5	0.2	0.6	0.6	0.0	0.0	0.0	0.0	0.7	0.4	0.0	0.3
LV	3.8	0.9	1.0	1.0	0.0	0.0	0.0	0.0	1.9	1.1	0.2	0.6
LT	5.3	1.0	2.1	2.0	0.1	0.0	0.0	0.0	2.1	1.4	0.1	0.6
LU	3.3	0.6	1.7	1.7	0.0	0.0	0.0	0.0	1.0	0.5	0.0	0.5
HU	17.6	4.4	4.5	4.3	0.1	0.0	0.0	0.1	8.7	6.0	0.7	2.0
MT	0.5	0.1	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.1
NL	42.3	13.1	9.3	8.9	0.1	0.0	0.2	0.0	19.8	9.3	4.0	6.5
AT	24.8	7.3	7.7	7.2	0.2	0.0	0.0	0.3	9.8	6.7	0.5	2.6
PL	70.3	15.9	21.8	21.1	0.3	0.0	0.0	0.3	32.6	21.1	3.9	7.6
PT	15.2	4.5	5.0	4.8	0.0	0.1	0.1	0.0	5.7	3.0	0.5	2.2
RO	23.5	6.4	6.5	6.2	0.2	0.0	0.0	0.0	10.6	8.0	0.5	2.0
SI	4.4	1.3	1.6	1.6	0.0	0.0	0.0	0.0	1.6	1.1	0.1	0.4
SK	9.6	3.1	2.5	2.3	0.0	0.0	0.0	0.1	4.0	2.7	0.1	1.1
FI	23.2	10.2	3.9	3.7	0.1	0.0	0.1	0.0	9.1	5.3	0.7	3.1
SE	31.5	11.6	6.6	6.2	0.2	0.1	0.1	0.0	13.3	7.2	0.6	5.5
IS	2.9	1.3	0.3	0.3	0.0	0.0	0.0	0.0	1.3	0.5	0.3	0.5
NO	18.9	6.3	4.5	3.2	0.1	0.2	0.9	0.1	8.1	4.4	0.6	3.0
CH												
MK	1.8	0.5	0.6	0.6	0.0	0.0	0.0	0.0	0.7	0.5	0.0	0.2
TR	101.1	32.6	26.7	25.2	0.2	0.7	0.4	0.2	41.9	23.0	5.0	13.9
UK												

## Final energy consumption EU-27 – BY SECTOR (MTOE)

3.1.5



**NB:** Transport excluding international aviation and maritime.

### 3.1.6 Final consumption of motor gasoline, diesel, biofuels & biogas for transport 2020 – BY FUEL (KTOE)

	TOTAL FINAL CONSUMPTION OF MOTOR GASOLINE AND DIESEL OIL FOR TRANSPORT (*)	Motor gasoline	Gas / Diesel oil	BIOFUELS AND BIOGAS	Biogasoline	Biodiesel	Biogas	Other liquid biofuels (**)
<b>EU-27</b>	<b>218917.6</b>	<b>57262.2</b>	<b>161655.4</b>	<b>16003.3</b>	<b>2655.7</b>	<b>13168.7</b>	<b>178.3</b>	<b>0.7</b>
BE	6805.7	1489.5	5316.2	701.9	129.6	572.3		
BG	2461.9	459.2	2002.6	172.1	26.5	145.6		
CZ	5629.3	1456.0	4173.4	373.6	65.8	306.7	1.2	
DK	3602.6	1175.5	2427.1	251.5	79.8	171.7		
DE	45533.4	14914.7	30618.7	3347.2	690.3	2580.2	76.0	0.7
EE	712.8	214.4	498.4	47.3	6.2	32.7	8.4	
IE	3278.7	578.4	2700.3	174.6	19.4	155.1		
EL	4333.1	1880.6	2452.4	199.5	62.7	136.9		
ES	22781.0	4281.0	18500.0	1402.5	86.2	1316.3		
FR	33591.3	7013.9	26577.4	2636.0	554.6	2081.4		
HR	1812.7	411.2	1401.5	65.6	0.8	64.8		
IT	23728.0	6079.0	17649.0	1264.7	19.6	1245.1	0.0	
CY	590.1	301.0	289.1	25.4	0.7	24.8		
LV	947.6	167.7	779.9	45.1	12.8	32.4		
LT	1891.2	236.9	1654.3	102.9	15.7	87.1		
LU	1512.8	261.8	1251.0	142.5	13.8	128.6		0.0
HU	3999.1	1308.4	2690.7	279.1	83.9	195.3		
MT	187.2	71.1	116.1	13.8		13.8		
NL	8403.0	3483.0	4920.1	528.3	226.5	301.8		
AT	6784.8	1293.1	5491.7	409.3	55.0	354.0	0.3	
PL	18192.0	4226.9	13965.0	1039.5	183.0	856.5		
PT	4550.5	916.1	3634.3	243.9	6.4	237.4		
RO	5756.7	1234.3	4522.4	483.3	91.6	391.6		
SI	1458.8	321.9	1136.9	93.3	8.0	85.2		
SK	2172.3	503.7	1668.6	155.3	25.9	129.3		
FI	3360.0	1165.1	2194.9	399.0	93.5	301.5	4.1	
SE	4841.0	1817.8	3023.2	1406.2	97.4	1220.5	88.3	
IS	276.2	96.3	179.8	22.0	6.8	13.5	1.7	
NO	3634.2	688.7	2945.5	402.0	42.1	339.9	20.0	
CH								
MK	595.1	79.4	515.7	0.1		0.1		
TR	22055.6	2391.4	19664.2	82.1	33.5	48.6		
UK								

NB: (\*) Without bio components.

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

## Biofuels production 2020 – BY FUEL (KTOE)

3.1.7

	TOTAL	Biogasoline	Biodiesel	Bio jet kerosene	Other liquid biofuels (*)
EU-27	15 526.6	2 293.8	12 585.4	45.3	602.1
BE	466.1	261.9	203.4		0.7
BG	132.9	9.9	123.0		
CZ	277.4	48.8	228.6		
DK	1.9				1.9
DE	3 260.6	350.6	2 847.9		62.2
EE					
IE	40.4	3.2	37.2		
EL	178.6	20.2	158.4		
ES	1 951.1	274.8	1 676.3		
FR	2 336.5	530.9	1 780.6		25.0
HR	0.2		0.2		
IT	1 453.3	7.3	1 109.8		336.2
CY					
LV	77.9		77.9		
LT	164.2	20.4	143.8		
LU					
HU	445.6	315.8	129.9		
MT					
NL	1 777.8		1 750.1		27.6
AT	314.4	116.1	198.2		0.0
PL	975.1	131.1	842.0		2.0
PT	295.2		295.2		
RO	285.4	28.4	257.0		
SI					
SK	178.4	67.2	111.2		
FI	392.8		301.2	45.3	46.3
SE	520.9	107.2	313.4		100.3
IS					
NO	75.2		75.2		
CH					
MK	1.2		1.2		
TR	117.3	36.4	71.1		9.8
UK					

NB: (\*) Including liquid biofuels used directly as fuel, not included in biogasoline, biodiesel or bio jet kerosene.

### 3.2.1 Total greenhouse gas (GHG) emissions (\*) (MILLION TONNES CO<sub>2</sub> EQUIVALENT)

	1990	1995	2000	2005	2010	2015	2019	2020
<b>EU-27</b>	<b>4 900.6</b>	<b>4 613.0</b>	<b>4 528.8</b>	<b>4 632.9</b>	<b>4 276.2</b>	<b>3 924.4</b>	<b>3 734.5</b>	<b>3 354.1</b>
<b>EU-28</b>	<b>5 709.5</b>	<b>5 378.1</b>	<b>5 269.4</b>	<b>5 355.3</b>	<b>4 913.5</b>	<b>4 463.0</b>	<b>4 215.5</b>	
BE	148.8	156.5	153.6	149.1	137.9	123.4	121.7	110.1
BG	99.1	72.6	57.2	62.6	59.8	62.8	60.2	49.6
CZ	199.5	158.4	151.4	150.2	141.5	129.9	124.8	113.7
DK	72.9	80.9	73.8	69.6	66.2	51.6	47.6	42.7
DE	1 254.0	1 130.5	1 056.3	1 009.7	960.2	922.7	829.6	742.5
EE	40.3	20.1	17.5	19.3	21.3	18.2	14.8	11.6
IE	55.5	59.9	70.3	72.8	64.3	63.0	63.2	58.9
EL	105.9	112.1	129.1	139.0	121.1	98.3	89.6	76.2
ES	294.9	336.7	397.7	454.0	370.9	352.1	333.0	281.2
FR	553.0	547.2	563.2	567.3	523.7	475.6	453.7	401.1
HR	31.9	22.7	25.7	29.9	28.2	24.7	25.2	23.9
IT	524.2	539.7	565.3	599.5	526.7	451.4	430.9	385.1
CY	6.3	7.8	9.1	10.1	10.3	9.1	9.9	9.2
LV	26.1	12.6	10.2	11.1	12.2	11.1	11.6	10.6
LT	48.3	22.4	19.5	22.9	20.9	20.6	20.7	20.3
LU	13.1	10.7	10.6	14.3	13.5	11.7	12.5	10.7
HU	95.3	77.8	75.7	77.5	66.7	62.1	65.4	63.1
MT	2.8	3.0	3.1	3.2	3.2	2.5	2.7	2.3
NL	225.2	237.9	228.0	223.9	222.3	204.6	192.3	171.0
AT	79.3	80.6	81.8	94.0	86.2	80.6	82.7	74.6
PL	476.5	448.1	397.5	406.1	414.4	391.0	393.8	377.4
PT	60.0	70.1	83.6	88.1	71.6	70.9	68.0	59.2
RO	250.5	185.6	139.4	147.3	123.4	115.5	114.4	110.1
SI	18.6	18.7	18.7	20.5	19.7	16.9	17.2	15.9
SK	73.5	53.0	48.8	50.7	45.8	40.9	40.0	37.1
FI	72.2	72.7	71.3	71.2	77.3	57.0	55.4	48.7
SE	72.8	74.8	70.3	68.8	66.9	56.3	53.5	47.2
IS	3.9	3.7	4.5	4.4	5.2	5.4	5.7	4.8
NO	52.1	52.2	55.8	55.9	56.2	56.1	52.8	49.8
CH	57.1	56.6	57.8	59.0	59.1	53.4	51.8	45.5
MK								
TR	220.3	249.4	300.6	340.3	404.6	485.6	522.1	529.8
UK	808.9	765.1	740.6	722.4	637.2	538.7	481.0	416.5

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

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

(\*) Excluding international maritime and LULUCF (land use, land-use change and forestry) emissions, including international aviation and indirect CO<sub>2</sub>.

## GHG emissions from transport 3.2.2

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

### INCLUDING INTERNATIONAL BUNKERS (\*)

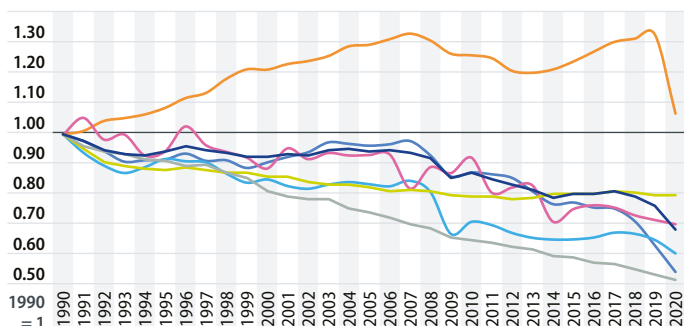
	1990	1995	2000	2005	2010	2015	2019	2020
<b>EU-27</b>	<b>829.6</b>	<b>894.0</b>	<b>1 012.2</b>	<b>1 097.7</b>	<b>1 068.7</b>	<b>1 033.0</b>	<b>1 105.1</b>	<b>899.7</b>
<b>EU-28</b>	<b>975.5</b>	<b>1 047.1</b>	<b>1 180.0</b>	<b>1 274.2</b>	<b>1 233.1</b>	<b>1 198.3</b>	<b>1 271.7</b>	
BE	37.5	39.0	46.1	55.8	56.0	50.4	58.2	45.9
BG	7.4	6.1	5.9	8.7	8.8	10.1	10.9	10.0
CZ	12.0	11.0	12.7	18.4	17.8	18.4	20.4	18.1
DK	15.6	19.0	18.9	18.5	17.9	17.7	18.5	14.7
DE	183.7	198.7	208.2	191.9	187.2	195.0	198.8	164.6
EE	3.2	1.9	2.1	2.7	3.1	3.4	3.2	3.2
IE	6.3	7.8	13.1	16.0	14.3	14.9	16.0	12.0
EL	25.4	31.0	33.2	33.9	34.1	25.9	30.3	22.3
ES	75.2	87.8	115.7	140.3	132.0	122.7	133.9	101.2
FR	139.2	150.2	164.9	166.8	158.0	157.1	156.5	120.7
HR	4.5	3.7	4.8	5.9	6.3	6.3	7.3	6.0
IT	111.0	124.3	136.0	143.7	131.4	121.4	124.5	94.9
CY	2.2	2.6	3.3	3.9	3.8	3.5	4.1	3.1
LV	4.8	2.7	2.3	4.2	4.5	4.3	4.8	4.0
LT	6.5	3.8	3.6	4.8	5.0	5.6	7.3	6.9
LU	3.0	3.9	5.8	8.5	7.8	7.1	8.0	6.3
HU	9.4	8.1	9.9	12.9	12.4	12.8	15.6	12.9
MT	1.5	2.3	3.1	2.9	5.6	5.9	8.6	7.9
NL	68.0	73.2	85.7	97.3	90.1	83.1	79.7	70.8
AT	14.9	17.3	20.6	27.0	24.7	24.9	27.5	22.3
PL	22.7	25.0	30.4	38.2	51.6	50.6	70.3	65.6
PT	13.8	17.0	23.5	23.8	23.3	21.6	25.3	18.6
RO	13.2	9.2	10.4	13.0	14.8	16.6	19.5	18.7
SI	2.8	4.1	3.8	4.5	5.4	5.6	6.3	5.0
SK	7.0	5.6	5.8	7.8	7.6	7.5	8.3	7.1
FI	15.0	13.3	15.2	15.8	15.0	13.8	14.9	12.3
SE	23.8	25.5	27.3	30.4	30.2	26.8	26.6	24.7
IS	1.0	1.0	1.3	1.5	1.4	1.8	2.2	1.2
NO	13.1	13.9	15.8	16.6	17.1	17.2	15.6	13.5
CH	17.8	18.1	20.7	19.4	20.7	20.3	20.6	15.7
MK								
TR	27.9	35.5	39.4	48.8	53.7	89.7	99.3	88.3
UK	145.9	153.1	167.8	176.5	164.4	165.3	166.6	119.8

**NB:** (\*) 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-27, changes in international maritime emissions between 2010 and 2011 show inconsistencies with changes in energy statistics on bunker fuels.

### 3.2.3 GHG emissions (\*) EU-27 – BY SECTOR (MILLION TONNES CO<sub>2</sub> EQUIVALENT)

	TOTAL ENERGY	FUEL COMBUSTION	ENERGY INDUSTRIES	Public electricity and heat production	Petroleum refining	Other energy industries	MANUFACTURING AND CONSTRUCTION	Iron and steel	Non-ferrous metals	Chemicals	Pulp, paper and print	Food, beverages and tobacco	Other
1990	3778.4	3626.3	1438.4	1233.0	103.5	101.9	727.2	152.3	12.2	102.3	30.3	45.4	384.7
1995	3571.1	3440.9	1317.3	1125.7	108.5	83.1	646.8	131.3	11.7	98.9	34.5	55.0	315.4
2000	3527.0	3419.3	1303.9	1126.3	115.9	61.7	587.6	117.0	12.9	86.9	32.4	48.9	289.3
2005	3654.4	3558.3	1384.0	1197.4	123.6	63.0	556.7	104.9	11.5	84.4	30.9	45.3	279.6
2010	3397.1	3315.9	1255.8	1084.0	116.5	55.3	480.7	93.5	11.1	76.0	27.2	36.4	236.5
2011	3296.6	3215.3	1247.4	1078.9	114.0	54.6	468.9	92.8	10.4	74.6	26.2	34.7	230.2
2012	3236.7	3155.7	1230.0	1074.6	110.6	44.8	450.7	87.1	9.6	73.0	25.5	34.6	221.0
2013	3153.7	3073.4	1165.6	1018.5	104.9	42.2	433.2	82.1	9.1	69.6	24.9	34.9	212.6
2014	3008.8	2931.2	1104.9	960.5	102.7	41.8	419.7	80.6	8.5	64.5	23.4	34.6	208.1
2015	3068.4	2990.9	1112.7	969.3	103.5	39.8	427.2	85.3	8.6	63.0	23.4	34.8	212.1
2016	3077.7	3002.7	1088.4	944.4	103.9	40.1	431.7	82.1	8.8	63.2	23.7	35.5	218.3
2017	3101.9	3027.1	1083.7	942.3	102.0	39.4	441.8	82.8	9.3	66.9	23.9	36.9	222.0
2018	3033.3	2961.6	1024.0	883.2	100.9	39.9	443.4	82.6	9.1	70.0	23.8	36.7	221.2
2019	2894.4	2828.3	906.2	765.6	102.0	38.6	428.9	78.0	9.4	65.8	24.6	36.2	215.0
2020	2544.0	2482.1	781.0	655.6	92.6	32.8	405.7	69.8	8.5	65.4	22.1	34.6	205.2

Energy industries - Industry (\*\*\*) - Transport (\*\*) - Residential & commercial - Agriculture, forestry, fisheries (\*\*\*\*) - Other (\*\*\*\*\*) - Total



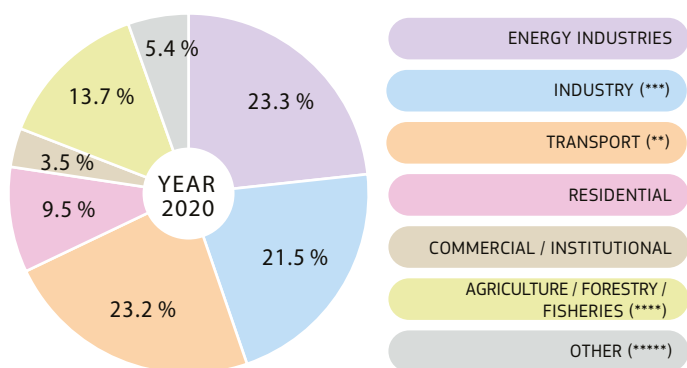
- NB:** (\*) Excluding LULUCF (land use, land-use change and forestry) emissions and international maritime, including international aviation and indirect CO<sub>2</sub>.  
 (\*\*) Excluding international maritime (international traffic departing from the EU), including international aviation.  
 (\*\*\*) Emissions from manufacturing and construction, industrial processes and product use.  
 (\*\*\*\*) Emissions from fuel combustion and other emissions from agriculture.  
 (\*\*\*\*\*) Emissions from fuel combustion in other (not elsewhere specified), fugitive emissions from fuels, waste, indirect CO<sub>2</sub> and other.



## GHG emissions (\*) EU-27 – BY SECTOR 3.2.3

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

TRANSPORT (**)	OTHER SECTORS			OTHER (NOT ELSE-WHERE SPECIFIED)		FUGITIVE EMISSIONS FROM FUELS	INDUSTRIAL PROCESSES & PRODUCT USE			Indirect CO <sub>2</sub>	TOTAL EMISSIONS		
	Commercial / Institutional	Residential	Agriculture / Forestry / Fisheries				Agriculture	Waste	Other				
726.9	711.7	172.1	448.5	91.1	22.0	152.1	462.4	482.9	172.5		4.3	4900.6	1990
791.0	675.8	149.2	436.9	89.7	10.0	130.2	445.1	417.4	175.8		3.6	4613.0	1995
883.6	635.7	144.1	406.4	85.2	8.5	107.7	424.0	409.5	165.4		3.0	4528.8	2000
943.9	662.9	154.5	424.1	84.3	10.8	96.1	435.9	389.0	150.9		2.6	4632.9	2005
918.4	653.3	163.4	409.9	80.0	7.8	81.2	363.4	376.7	136.7		2.3	4276.2	2010
911.4	579.5	140.8	359.6	79.1	8.1	81.3	362.6	375.5	133.2		2.2	4170.0	2011
880.6	587.3	141.0	369.9	76.3	7.0	81.0	349.6	375.1	130.3		2.1	4093.8	2012
876.0	591.5	142.7	372.6	76.3	7.0	80.3	347.9	378.2	127.1		1.9	4008.8	2013
884.1	515.8	125.4	314.7	75.7	6.8	77.6	354.7	384.0	123.1		1.9	3872.5	2014
903.2	540.8	134.0	332.2	74.6	6.9	77.6	347.7	385.5	120.8		1.9	3924.4	2015
927.2	549.2	134.8	339.3	75.0	6.2	74.9	350.7	386.9	118.3		1.8	3935.3	2016
950.6	544.7	134.3	335.2	75.2	6.2	74.7	359.7	389.5	116.6		1.8	3969.5	2017
958.5	529.9	130.6	322.8	76.5	5.8	71.7	353.6	386.3	115.2		1.7	3890.1	2018
967.6	519.3	126.5	317.0	75.7	6.3	66.1	343.3	381.6	113.5		1.6	3734.5	2019
777.2	511.8	117.2	317.7	76.9	6.4	61.9	313.9	382.4	112.3		1.5	3354.1	2020



- NB:** (\*) Excluding LULUCF (land use, land-use change and forestry) emissions and international maritime, including international aviation and indirect CO<sub>2</sub>.
- (\*\*) Excluding international maritime (international traffic departing from the EU), including international aviation.
- (\*\*\*) Emissions from manufacturing and construction, industrial processes and product use.
- (\*\*\*\*) Emissions from fuel combustion and other emissions from agriculture.
- (\*\*\*\*\*) Emissions from fuel combustion in other (not elsewhere specified), fugitive emissions from fuels, waste, indirect CO<sub>2</sub> and other.

## 3.2.3

## GHG emissions (\*) EU-27 BY SECTOR (SHARES %)

	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	77.1	74.0	29.4	25.2	2.1	2.1	14.8	3.1	0.2	2.1	0.6	0.9	7.9
1991	77.9	74.9	29.3	25.3	2.0	2.0	14.4	2.9	0.3	2.1	0.7	1.0	7.4
1992	77.9	75.0	29.2	25.3	2.1	1.8	14.0	2.8	0.3	1.9	0.7	1.0	7.4
1993	77.9	74.9	28.6	24.6	2.2	1.8	13.8	2.7	0.2	1.8	0.7	1.1	7.3
1994	77.4	74.5	28.8	24.7	2.3	1.8	13.8	2.8	0.2	1.9	0.7	1.1	6.9
1995	77.4	74.6	28.6	24.4	2.4	1.8	14.0	2.8	0.3	2.1	0.7	1.2	6.8
1996	77.9	75.2	28.6	24.6	2.4	1.6	13.6	2.6	0.3	2.1	0.7	1.2	6.8
1997	77.5	74.7	28.3	24.2	2.4	1.7	13.6	2.7	0.3	2.0	0.8	1.2	6.6
1998	77.9	75.2	28.5	24.5	2.5	1.6	13.1	2.6	0.3	1.9	0.7	1.1	6.6
1999	78.1	75.4	28.2	24.3	2.5	1.4	13.0	2.4	0.3	1.9	0.7	1.1	6.5
2000	77.9	75.5	28.8	24.9	2.6	1.4	13.0	2.6	0.3	1.9	0.7	1.1	6.4
2001	78.5	76.2	29.1	25.2	2.6	1.3	12.6	2.4	0.3	1.9	0.7	1.1	6.3
2002	78.7	76.4	29.7	25.8	2.6	1.3	12.4	2.3	0.3	1.8	0.7	1.1	6.2
2003	79.0	76.7	30.1	26.3	2.5	1.3	12.3	2.3	0.3	1.8	0.7	1.1	6.2
2004	78.8	76.7	29.9	26.0	2.6	1.3	12.1	2.3	0.3	1.8	0.7	1.0	6.1
2005	78.9	76.8	29.9	25.8	2.7	1.4	12.0	2.3	0.2	1.8	0.7	1.0	6.0
2006	79.0	76.9	30.0	26.0	2.7	1.4	11.8	2.3	0.2	1.8	0.7	0.9	5.9
2007	78.6	76.7	30.5	26.4	2.7	1.4	12.1	2.5	0.3	1.8	0.6	0.9	6.1
2008	78.9	77.0	29.6	25.6	2.7	1.3	12.0	2.4	0.2	1.8	0.6	0.9	6.0
2009	79.2	77.2	29.6	25.6	2.8	1.1	10.7	1.8	0.2	1.7	0.6	0.8	5.5
2010	79.4	77.5	29.4	25.3	2.7	1.3	11.2	2.2	0.3	1.8	0.6	0.9	5.5
2011	79.1	77.1	29.9	25.9	2.7	1.3	11.2	2.2	0.3	1.8	0.6	0.8	5.5
2012	79.1	77.1	30.0	26.3	2.7	1.1	11.0	2.1	0.2	1.8	0.6	0.8	5.4
2013	78.7	76.7	29.1	25.4	2.6	1.1	10.8	2.0	0.2	1.7	0.6	0.9	5.3
2014	77.7	75.7	28.5	24.8	2.7	1.1	10.8	2.1	0.2	1.7	0.6	0.9	5.4
2015	78.2	76.2	28.4	24.7	2.6	1.0	10.9	2.2	0.2	1.6	0.6	0.9	5.4
2016	78.2	76.3	27.7	24.0	2.6	1.0	11.0	2.1	0.2	1.6	0.6	0.9	5.5
2017	78.1	76.3	27.3	23.7	2.6	1.0	11.1	2.1	0.2	1.7	0.6	0.9	5.6
2018	78.0	76.1	26.3	22.7	2.6	1.0	11.4	2.1	0.2	1.8	0.6	0.9	5.7
2019	77.5	75.7	24.3	20.5	2.7	1.0	11.5	2.1	0.3	1.8	0.7	1.0	5.8
2020	75.8	74.0	23.3	19.5	2.8	1.0	12.1	2.1	0.3	1.9	0.7	1.0	6.1

**NB:** (\*) Excluding LULUCF (land use, land-use change and forestry) emissions and international maritime, including international aviation and indirect CO<sub>2</sub>. Indirect emissions from electricity use are not included in the GHG emissions from fuel combustion by manufacturing and construction, transport and other sectors (commercial/institutional, residential and agriculture/forestry/fisheries).

## GHG emissions (\*) EU-27 BY SECTOR (SHARES %)

3.2.3

TRANSPORT (**)	OTHER SECTORS				OTHER (NOT ELSE-WHERE SPECIFIED)	FUGITIVE EMISSIONS FROM FUELS	INDUSTRIAL PROCESSES & PRODUCT USE					TOTAL EMISSIONS	
	Commercial / Institutional	Residential	Agriculture / Forestry / Fisheries				Agriculture	Waste	Other	Indirect CO <sub>2</sub>			
14.8	14.5	3.5	9.2	1.9	0.4	3.1	9.4	9.9	3.5		0.1	100	1990
15.3	15.6	3.7	10.0	1.9	0.4	2.9	8.9	9.5	3.7		0.1	100	1991
16.3	15.0	3.4	9.7	1.9	0.3	2.9	8.9	9.3	3.8		0.1	100	1992
16.8	15.6	3.5	10.1	2.0	0.3	2.9	8.9	9.2	3.9		0.1	100	1993
17.0	14.7	3.2	9.4	2.0	0.2	2.9	9.5	9.2	3.9		0.1	100	1994
17.1	14.7	3.2	9.5	1.9	0.2	2.8	9.6	9.0	3.8		0.1	100	1995
17.3	15.5	3.5	10.1	2.0	0.2	2.7	9.4	8.9	3.7		0.1	100	1996
17.8	14.8	3.3	9.7	1.9	0.2	2.8	9.7	9.0	3.7		0.1	100	1997
18.7	14.6	3.3	9.4	1.9	0.2	2.7	9.3	9.0	3.7		0.1	100	1998
19.5	14.6	3.3	9.3	1.9	0.2	2.7	9.0	9.1	3.7		0.1	100	1999
19.5	14.0	3.2	9.0	1.9	0.2	2.4	9.4	9.0	3.7		0.1	100	2000
19.6	14.8	3.4	9.5	1.9	0.2	2.3	9.0	8.9	3.6		0.1	100	2001
19.8	14.3	3.3	9.2	1.8	0.2	2.3	9.0	8.8	3.5		0.1	100	2002
19.7	14.4	3.3	9.3	1.8	0.2	2.2	9.0	8.5	3.4		0.1	100	2003
20.2	14.2	3.3	9.1	1.8	0.2	2.1	9.4	8.5	3.3		0.1	100	2004
20.4	14.3	3.3	9.2	1.8	0.2	2.1	9.4	8.4	3.3		0.1	100	2005
20.7	14.3	3.5	9.0	1.8	0.2	2.0	9.4	8.3	3.2		0.1	100	2006
21.1	12.7	3.1	7.9	1.7	0.2	1.9	9.7	8.5	3.1		0.1	100	2007
21.1	14.0	3.5	8.8	1.8	0.2	1.9	9.3	8.6	3.1		0.1	100	2008
22.0	14.8	3.7	9.2	1.9	0.2	1.9	8.3	9.1	3.3		0.1	100	2009
21.5	15.3	3.8	9.6	1.9	0.2	1.9	8.5	8.8	3.2		0.1	100	2010
21.9	13.9	3.4	8.6	1.9	0.2	1.9	8.7	9.0	3.2		0.1	100	2011
21.5	14.3	3.4	9.0	1.9	0.2	2.0	8.5	9.2	3.2		0.1	100	2012
21.9	14.8	3.6	9.3	1.9	0.2	2.0	8.7	9.4	3.2		0.0	100	2013
22.8	13.3	3.2	8.1	2.0	0.2	2.0	9.2	9.9	3.2		0.0	100	2014
23.0	13.8	3.4	8.5	1.9	0.2	2.0	8.9	9.8	3.1		0.0	100	2015
23.6	14.0	3.4	8.6	1.9	0.2	1.9	8.9	9.8	3.0		0.0	100	2016
23.9	13.7	3.4	8.4	1.9	0.2	1.9	9.1	9.8	2.9		0.0	100	2017
24.6	13.6	3.4	8.3	2.0	0.1	1.8	9.1	9.9	3.0		0.0	100	2018
25.9	13.9	3.4	8.5	2.0	0.2	1.8	9.2	10.2	3.0		0.0	100	2019
23.2	15.3	3.5	9.5	2.3	0.2	1.8	9.4	11.4	3.3		0.0	100	2020

**NB:** (\*) Excluding LULUCF (land use, land-use change and forestry) emissions and international maritime, including international aviation and indirect CO<sub>2</sub>.  
 (\*\*) Excluding international maritime (international traffic departing from the EU), including international aviation.

Indirect emissions from electricity use are not included in the GHG emissions from fuel combustion by manufacturing and construction, transport and other sectors (commercial/institutional, residential and agriculture/forestry/fisheries).

### 3.2.4 GHG emissions (\*) 2020 – BY SECTOR (MILLION TONNES CO<sub>2</sub> 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			
EU-27	2544.0	2482.1	781.0	655.6	92.6	32.8	405.7	69.8	8.5	65.4	22.1	34.6	205.2	
BE	80.6	80.0	19.0	14.0	4.9	0.1	13.1	1.2	0.4	3.5	0.6	2.5	4.9	
BG	35.5	33.9	18.2	17.4	0.8	0.0	4.0	0.1	0.2	1.3	0.1	0.2	2.0	
CZ	84.9	82.6	41.6	36.9	0.4	4.2	10.2	1.9	0.1	2.0	0.5	1.0	4.7	
DK	28.1	27.9	7.4	5.5	0.9	0.9	3.6	0.1		0.2	0.1	0.9	2.3	
DE	622.2	615.4	212.5	184.6	18.6	9.3	116.4	32.7	0.1		0.0	0.2	83.3	
EE	9.5	9.5	5.8	4.3		1.6	0.5	0.0	0.0	0.0	0.1	0.1	0.3	
IE	34.3	34.3	8.6	8.3	0.3	0.1	4.5	0.0	1.3	0.4	0.0	1.0	1.7	
EL	53.0	52.5	24.5	20.0	4.5	0.0	4.5	0.1	0.3	0.6	0.1	0.6	2.8	
ES	205.8	202.0	43.6	32.5	10.3	0.8	40.2	4.3	1.4	8.6	3.9	4.6	17.4	
FR	272.8	269.6	37.1	29.9	5.1	2.1	42.2	5.6	1.1	9.6	2.3	7.3	16.3	
HR	15.7	15.2	3.7	2.7	0.8	0.2	2.4	0.0	0.0	0.3	0.1	0.3	1.6	
IT	302.7	296.7	81.8	60.2	17.6	4.0	45.9	8.1	1.0	8.7	4.7	3.7	19.6	
CY	6.7	6.7	3.0	3.0		0.0	0.9	0.0	0.0	0.0	0.0	0.1	0.8	
LV	7.0	6.9	1.4	1.3		0.0	0.7	0.0	0.0	0.0	0.0	0.1	0.5	
LT	12.0	11.5	2.6	1.4	1.2	0.1	1.2			0.3	0.0	0.2	0.6	
LU	9.3	9.3	0.2	0.2			1.1	0.3	0.0	0.1	0.0	0.0	0.6	
HU	44.7	42.9	12.3	10.4	1.6	0.3	5.0	0.2	0.2	0.4	0.4	0.8	3.0	
MT	1.8	1.8	0.8	0.8			0.1						0.1	
NL	141.5	140.1	47.8	35.8	9.4	2.7	27.3	4.2	0.1	14.8	0.8	3.4	3.9	
AT	51.0	50.7	8.8	5.8	2.7	0.3	10.5	1.9	0.3	1.4	1.8	0.8	4.4	
PL	306.7	285.3	139.8	132.0	4.6	3.2	29.2	3.7	1.1	6.5	1.4	4.3	12.3	
PT	40.1	39.0	10.4	8.3	2.1		7.6	0.1		1.2	1.3	0.7	4.2	
RO	73.0	64.4	18.3	15.3	1.9	1.2	14.8	0.9	0.4	3.6	0.2	0.9	8.8	
SI	12.6	12.2	4.5	4.5		0.0	1.7	0.2	0.1	0.1	0.3	0.1	1.0	
SK	24.7	24.2	6.4	4.0	1.5	1.0	5.9	2.2	0.1	0.5	0.4	0.3	2.4	
FI	35.2	35.1	13.1	11.3	1.6	0.3	6.2	0.8	0.1	0.7	2.2	0.1	2.2	
SE	32.7	32.2	7.5	5.4	1.7	0.4	6.1	1.2	0.1	0.4	0.7	0.3	3.4	
IS	1.9	1.7	0.0	0.0			0.0	0.0	0.0			0.0	0.0	
NO	34.7	32.7	14.3	1.4	0.9	12.0	2.9	0.1	0.2	0.2	0.1	0.3	2.1	
CH	34.7	34.5	3.3	3.0	0.3	0.0	4.5	0.3	0.1	0.6	0.1	0.7	2.7	
MK														
TR	373.5	364.9	142.9	131.7	9.0	2.2	60.1	5.6	0.7	6.8	1.3	5.9	39.8	
UK	324.1	316.0	75.9	50.3	11.1	14.5	39.3	0.9	0.6	5.0	1.3	4.0	27.4	

NB: (\*) Excluding LULUCF (land use, land-use change and forestry) emissions and international maritime, including international aviation and indirect CO<sub>2</sub>.

## GHG emissions (\*) 2020 – BY SECTOR 3.2.4 (MILLION TONNES CO<sub>2</sub> EQUIVALENT)

TRANSPORT (**)	OTHER SECTORS	Commercial / institutional	Residential	Agriculture / forestry / fisheries	OTHER (NOT ELSE-WHERE SPECIFIED)	FUGITIVE EMISSIONS FROM FUELS	INDUSTRIAL PROCESSES & PRODUCT USE				TOTAL EMISSIONS	EU-27
							Agriculture	Waste	Other	Indirect CO <sub>2</sub>		
777.2	511.8	117.2	317.7	76.9	6.4	61.9	313.9	382.4	112.3	1.5	3 354.1	EU-27
25.3	22.5	5.2	14.7	2.6	0.1	0.6	18.9	9.3	1.2		110.1	BE
9.8	1.8	0.3	1.0	0.5	0.0	1.6	5.3	6.2	2.6		49.6	BG
18.1	12.3	2.7	8.4	1.3	0.3	2.3	15.2	7.8	5.1	0.5	113.7	CZ
13.0	3.7	0.7	1.7	1.3	0.2	0.2	1.9	11.3	1.2	0.2	42.7	DK
160.9	124.9	27.8	90.8	6.3	0.7	6.7	55.5	56.1	8.8		742.5	DE
2.3	0.9	0.3	0.3	0.3		0.0	0.3	1.5	0.3		11.6	EE
11.5	9.6	1.8	7.1	0.7		0.1	2.9	20.8	0.9		58.9	IE
16.7	6.6	0.6	5.2	0.8	0.3	0.4	10.5	7.8	4.9		76.2	EL
80.7	37.1	9.2	16.1	11.8	0.4	3.7	23.7	38.5	13.2		281.2	ES
117.6	71.3	19.9	40.0	11.4	1.5	3.2	40.2	70.4	17.7		401.1	FR
6.0	3.2	0.6	1.9	0.8		0.4	3.8	2.7	1.8		23.9	HR
89.3	79.2	23.9	47.4	7.9	0.6	6.0	31.0	32.7	18.6		385.1	IT
2.3	0.5	0.1	0.3	0.1	0.0		1.3	0.6	0.6	0.0	9.2	CY
3.3	1.5	0.4	0.6	0.5	0.0	0.1	0.9	2.3	0.5	0.0	10.6	LV
6.3	1.4	0.3	0.9	0.2	0.0	0.4	3.1	4.5	0.8		20.3	LT
6.3	1.6	0.6	1.0	0.0	0.0	0.0	0.6	0.7	0.1		10.7	LU
12.9	12.6	2.8	8.1	1.7	0.1	1.8	7.7	7.3	3.4		63.1	HU
0.8	0.2	0.1	0.0	0.0	0.0		0.3	0.1	0.2		2.3	MT
33.0	31.8	6.4	15.4	10.0	0.2	1.4	8.8	17.7	2.7	0.4	171.0	NL
22.2	9.0	1.3	6.7	1.0	0.0	0.3	15.5	7.0	1.2		74.6	AT
64.6	51.8	6.0	33.8	11.9		21.4	25.1	34.3	11.3		377.4	PL
16.4	4.5	1.0	2.2	1.4	0.1	1.1	7.6	7.0	4.4	0.1	59.2	PT
18.5	12.1	2.1	8.4	1.6	0.7	8.6	12.9	18.3	5.9		110.1	RO
4.6	1.3	0.3	0.8	0.2	0.0	0.4	1.2	1.7	0.4		15.9	SI
7.1	4.7	1.2	3.1	0.4	0.1	0.4	8.1	2.6	1.7	0.0	37.1	SK
11.3	3.4	1.1	1.1	1.2	0.9	0.1	5.1	6.6	1.7	0.1	48.7	FI
16.3	2.3	0.6	0.5	1.2		0.5	6.6	6.9	1.0		47.2	SE
1.2	0.5	0.0	0.0	0.5	0.0	0.2	2.0	0.6	0.2		4.8	IS
12.5	2.9	1.0	0.6	1.3	0.1	2.0	9.2	4.5	1.4		49.8	NO
15.6	11.0	3.3	7.1	0.6	0.1	0.2	4.2	5.8	0.7	0.0 0.1	45.5	CH
												MK
86.6	75.2	13.7	50.3	11.3		8.6	66.8	73.2	16.4		529.8	TR
111.2	88.2	18.3	65.0	4.9	1.4	8.2	34.4	40.4	17.7		416.5	UK

- NB:** (\*) Excluding LULUCF (land use, land-use change and forestry) emissions and international maritime, including international aviation and indirect CO<sub>2</sub>.
- (\*\*) Excluding international maritime (international traffic departing from the EU), including international aviation.

## 3.2.4

## GHG emissions (\*) 2020

### 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-27	75.8	74.0	23.3	19.5	2.8	1.0	12.1	2.1	0.3	1.9	0.7	1.0	6.1
BE	73.3	72.7	17.3	12.7	4.4	0.1	11.9	1.1	0.4	3.2	0.5	2.2	4.5
BG	71.5	68.3	36.8	35.2	1.6	0.0	8.1	0.2	0.5	2.7	0.2	0.5	4.0
CZ	74.7	72.7	36.6	32.5	0.4	3.7	9.0	1.7	0.1	1.8	0.5	0.9	4.1
DK	65.7	65.3	17.2	12.9	2.1	2.1	8.4	0.2		0.5	0.1	2.1	5.4
DE	83.8	82.9	28.6	24.9	2.5	1.3	15.7	4.4	0.0		0.0	0.0	11.2
EE	82.0	81.8	50.3	36.8		13.4	4.4	0.0	0.0	0.1	0.5	0.8	2.9
IE	58.3	58.1	14.7	14.0	0.5	0.2	7.7	0.0	2.3	0.7	0.0	1.7	2.9
EL	69.5	68.9	32.1	26.3	5.8	0.0	5.8	0.1	0.4	0.8	0.1	0.7	3.6
ES	73.2	71.8	15.5	11.5	3.6	0.3	14.3	1.5	0.5	3.1	1.4	1.6	6.2
FR	68.0	67.2	9.3	7.5	1.3	0.5	10.5	1.4	0.3	2.4	0.6	1.8	4.1
HR	65.6	63.7	15.4	11.1	3.5	0.8	10.0	0.1	0.1	1.4	0.5	1.2	6.6
IT	78.6	77.1	21.2	15.6	4.6	1.0	11.9	2.1	0.3	2.3	1.2	1.0	5.1
CY	73.3	73.3	32.9	32.7		0.2	10.0	0.0	0.0	0.1	0.0	0.7	9.2
LV	65.4	64.5	12.9	12.4		0.5	6.2	0.0	0.0	0.2	0.0	0.8	5.1
LT	58.9	56.8	13.0	6.7	6.0	0.3	5.8			1.4	0.2	1.2	3.1
LU	86.8	86.5	2.1	2.1			10.2	2.5	0.4	1.1	0.0	0.3	6.0
HU	70.8	67.9	19.5	16.5	2.6	0.5	7.9	0.3	0.2	0.6	0.7	1.3	4.7
MT	77.6	77.6	34.9	34.9			2.5						2.5
NL	82.7	81.9	28.0	20.9	5.5	1.6	15.9	2.4	0.1	8.6	0.5	2.0	2.3
AT	68.3	67.9	11.8	7.7	3.7	0.4	14.1	2.5	0.4	1.9	2.4	1.0	5.9
PL	81.3	75.6	37.0	35.0	1.2	0.8	7.7	1.0	0.3	1.7	0.4	1.1	3.3
PT	67.8	66.0	17.6	14.0	3.5		12.9	0.2		2.1	2.2	1.3	7.2
RO	66.3	58.5	16.7	13.9	1.7	1.1	13.4	0.8	0.3	3.3	0.2	0.8	8.0
SI	79.1	76.7	28.4	28.4		0.0	10.8	1.2	0.7	0.5	1.7	0.6	6.0
SK	66.5	65.3	17.4	10.7	4.1	2.6	16.0	5.9	0.3	1.3	1.1	0.9	6.5
FI	72.3	72.1	27.0	23.2	3.2	0.6	12.8	1.7	0.2	1.5	4.6	0.3	4.6
SE	69.3	68.2	15.9	11.4	3.7	0.8	12.9	2.5	0.2	0.8	1.5	0.6	7.2
IS	40.3	36.5	0.0	0.0			0.9	0.0	0.1			0.3	0.5
NO	69.7	65.6	28.7	2.9	1.8	24.0	5.8	0.1	0.4	0.3	0.2	0.6	4.2
CH	76.3	75.9	7.2	6.5	0.7	0.0	9.9	0.6	0.2	1.4	0.3	1.6	5.9
MK													
TR	70.5	68.9	27.0	24.9	1.7	0.4	11.4	1.1	0.1	1.3	0.2	1.1	7.5
UK	77.8	75.9	18.2	12.1	2.7	3.5	9.4	0.2	0.2	1.2	0.3	1.0	6.6

NB: (\*) Excluding LULUCF (land use, land-use change and forestry) emissions and international maritime, including international aviation and indirect CO<sub>2</sub>.

## GHG emissions (\*) 2020

### BY SECTOR (SHARES %)

3.2.4

TRANSPORT (**)	OTHER SECTORS					OTHER (NOT ELSE-SPECIFIED)	FUGITIVE EMISSIONS FROM FUELS	INDUSTRIAL PROCESSES & PRODUCT USE					TOTAL EMISSIONS	EU-27
	Commercial / institutional	Residential	Agriculture / forestry / fisheries					Agriculture	Waste	Other	Indirect CO <sub>2</sub>			
23.2	15.3	3.5	9.5	2.3	0.2	1.8	9.4	11.4	3.3		0.0	100	EU-27	
23.0	20.5	4.7	13.4	2.4	0.1	0.6	17.2	8.5	1.1			100	BE	
19.7	3.7	0.7	2.0	0.9	0.0	3.3	10.7	12.5	5.3			100	BG	
16.0	10.8	2.4	7.4	1.1	0.3	2.0	13.4	6.9	4.5		0.5	100	CZ	
30.5	8.7	1.7	3.9	3.1	0.6	0.5	4.5	26.4	2.8		0.6	100	DK	
21.7	16.8	3.7	12.2	0.8	0.1	0.9	7.5	7.6	1.2			100	DE	
19.8	7.3	2.2	2.7	2.4		0.2	2.5	13.0	2.5			100	EE	
19.5	16.3	3.1	12.1	1.1		0.2	4.9	35.2	1.5			100	IE	
21.9	8.6	0.8	6.9	1.0	0.4	0.6	13.8	10.3	6.4			100	EL	
28.7	13.2	3.3	5.7	4.2	0.2	1.3	8.4	13.7	4.7			100	ES	
29.3	17.8	5.0	10.0	2.8	0.4	0.8	10.0	17.5	4.4			100	FR	
24.9	13.3	2.4	7.8	3.1		1.8	15.7	11.3	7.5			100	HR	
23.2	20.6	6.2	12.3	2.0	0.2	1.6	8.1	8.5	4.8			100	IT	
24.5	5.5	1.0	3.6	1.0	0.3		14.0	6.0	6.7		0.1	100	CY	
30.9	14.4	4.1	5.2	5.1	0.1	0.9	8.2	21.2	5.1		0.1	100	LV	
31.0	6.8	1.3	4.3	1.2	0.1	2.1	15.2	21.9	4.0			100	LT	
59.1	15.1	5.2	9.7	0.2	0.0	0.3	5.9	6.6	0.7			100	LU	
20.4	20.0	4.4	12.9	2.6	0.1	2.9	12.2	11.6	5.4			100	HU	
33.2	6.9	4.1	1.8	1.0	0.2		12.0	3.5	6.9			100	MT	
19.3	18.6	3.8	9.0	5.8	0.1	0.8	5.1	10.3	1.6		0.2	100	NL	
29.8	12.1	1.8	9.0	1.3	0.0	0.4	20.8	9.3	1.6			100	AT	
17.1	13.7	1.6	9.0	3.2		5.7	6.6	9.1	3.0			100	PL	
27.7	7.7	1.6	3.7	2.3	0.1	1.8	12.8	11.8	7.4		0.2	100	PT	
16.8	11.0	1.9	7.6	1.5	0.6	7.8	11.7	16.6	5.4			100	RO	
29.0	8.5	2.1	4.9	1.5	0.0	2.4	7.4	10.9	2.6			100	SI	
19.2	12.6	3.1	8.5	1.0	0.2	1.1	21.9	7.0	4.5		0.1	100	SK	
23.3	7.0	2.2	2.3	2.6	2.0	0.2	10.5	13.5	3.6		0.1	100	FI	
34.6	4.9	1.3	1.2	2.4		1.0	13.9	14.7	2.2			100	SE	
24.1	11.4	0.1	0.1	11.2	0.0	3.8	41.6	13.0	5.2			100	IS	
25.0	5.8	2.0	1.2	2.7	0.2	4.1	18.5	9.1	2.7			100	NO	
34.4	24.1	7.2	15.7	1.3	0.3	0.5	9.2	12.7	1.5	0.0	0.3	100	CH	
													MK	
16.3	14.2	2.6	9.5	2.1		1.6	12.6	13.8	3.1			100	TR	
26.7	21.2	4.4	15.6	1.2	0.3	2.0	8.3	9.7	4.2			100	UK	

**NB:** (\*) Excluding LULUCF (land use, land-use change and forestry) emissions and international maritime, including international aviation and indirect CO<sub>2</sub>.

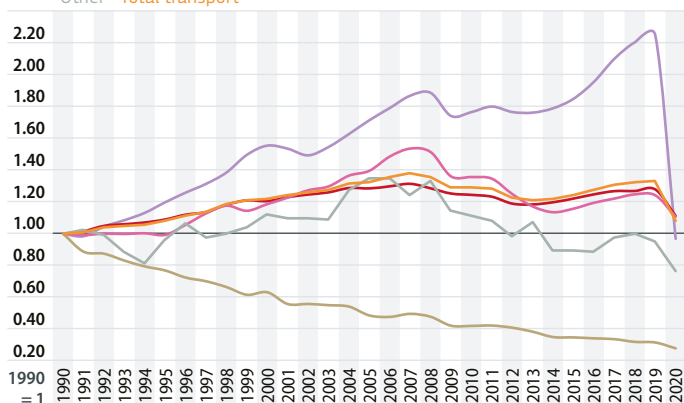
(\*\*) Excluding international maritime (international traffic departing from the EU), including international aviation.

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

### INCLUDING INTERNATIONAL BUNKERS

	TOTAL CIVIL AVIATION	Civil aviation (domestic) (*)	International bunkers – Aviation	ROAD TRANSPORTATION	RAILWAYS (***)	TOTAL NAVIGATION	Navigation (domestic) (*)	International bunkers – Maritime transport	OTHER TRANSPORTATION (****)	TOTAL TRANSPORT	TOTAL EMISSIONS (**)
1990	66.0	12.0	54.0	620.1	13.0	124.4	21.8	102.7	6.1	829.6	5 003.3
1995	79.0	13.2	65.9	675.7	10.0	123.5	20.5	103.0	5.8	894.0	4 716.1
2000	102.4	17.5	85.0	747.3	8.2	147.5	18.8	128.6	6.8	1 012.2	4 657.5
2005	112.9	17.0	96.0	796.9	6.3	173.4	19.5	153.8	8.2	1 097.7	4 786.7
2010	116.3	15.9	100.4	771.7	5.5	168.5	18.2	150.3	6.8	1 068.7	4 426.6
2011	118.6	15.5	103.1	764.4	5.5	167.2	16.3	150.9	6.5	1 062.3	4 320.9
2012	116.3	14.5	101.8	737.5	5.3	155.2	15.5	139.7	5.9	1 020.3	4 233.5
2013	116.1	13.4	102.7	734.4	5.0	145.6	14.1	131.5	6.5	1 007.5	4 140.3
2014	117.9	13.1	104.8	742.9	4.6	141.1	13.3	127.8	5.4	1 011.9	4 000.3
2015	121.8	13.1	108.7	757.3	4.6	143.9	14.1	129.8	5.4	1 033.0	4 054.2
2016	128.8	13.7	115.2	773.7	4.5	148.5	14.8	133.7	5.4	1 060.9	4 069.0
2017	138.3	14.2	124.1	786.3	4.4	151.7	15.7	136.0	5.9	1 086.6	4 105.5
2018	145.1	14.9	130.3	786.8	4.2	155.0	16.4	138.6	6.1	1 097.2	4 028.8
2019	148.1	15.1	133.0	792.9	4.1	154.3	16.8	137.5	5.8	1 105.1	3 872.0
2020	63.9	8.0	55.9	689.8	3.7	137.7	15.1	122.5	4.6	899.7	3 476.6

Total civil aviation · Road transportation · Railways (\*\*\*) · Total navigation · Other · Total transport



- NB:** (\*) Excluding international bunkers (international traffic departing from the EU)  
 (\*\*) Including international bunkers and indirect CO<sub>2</sub> but excluding LULUCF (land use, land-use change and forestry).  
 (\*\*\*) 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.

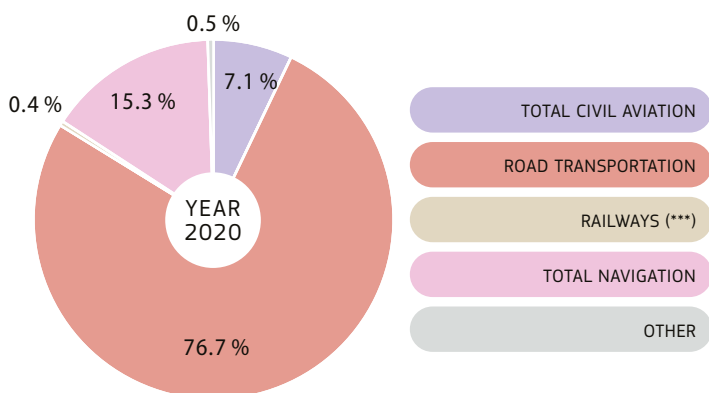


## GHG emissions from transport 3.2.5

### EU-27 – BY MODE (SHARES %)

#### INCLUDING INTERNATIONAL BUNKERS

	TOTAL CIVIL AVIATION			ROAD TRANSPORTATION	RAILWAYS (***)	TOTAL NAVIGATION			OTHER TRANSPORTATION (****)	TOTAL TRANSPORT (*****)	TOTAL EMISSIONS (**)
	Civil aviation (domestic) (*)	International bunkers – Aviation				Navigation (domestic) (*)	International bunkers – Maritime transport				
1990	8.0	1.4	6.5	74.8	1.6	15.0	2.6	12.4	0.7	16.6	100
1995	8.8	1.5	7.4	75.6	1.1	13.8	2.3	11.5	0.6	19.0	100
2000	10.1	1.7	8.4	73.8	0.8	14.6	1.9	12.7	0.7	21.7	100
2005	10.3	1.5	8.7	72.6	0.6	15.8	1.8	14.0	0.7	22.9	100
2010	10.9	1.5	9.4	72.2	0.5	15.8	1.7	14.1	0.6	24.1	100
2011	11.2	1.5	9.7	72.0	0.5	15.7	1.5	14.2	0.6	24.6	100
2012	11.4	1.4	10.0	72.3	0.5	15.2	1.5	13.7	0.6	24.1	100
2013	11.5	1.3	10.2	72.9	0.5	14.5	1.4	13.1	0.6	24.3	100
2014	11.6	1.3	10.4	73.4	0.5	13.9	1.3	12.6	0.5	25.3	100
2015	11.8	1.3	10.5	73.3	0.4	13.9	1.4	12.6	0.5	25.5	100
2016	12.1	1.3	10.9	72.9	0.4	14.0	1.4	12.6	0.5	26.1	100
2017	12.7	1.3	11.4	72.4	0.4	14.0	1.4	12.5	0.5	26.5	100
2018	13.2	1.4	11.9	71.7	0.4	14.1	1.5	12.6	0.6	27.2	100
2019	13.4	1.4	12.0	71.7	0.4	14.0	1.5	12.4	0.5	28.5	100
2020	7.1	0.9	6.2	76.7	0.4	15.3	1.7	13.6	0.5	25.9	100



- NB:** (\*) Excluding international bunkers (international traffic departing from the EU).  
 (\*\*) Including international bunkers and indirect CO<sub>2</sub> but excluding LULUCF (land use, land-use change and forestry).  
 (\*\*\*) 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 – 2020

### BY MODE (MILLION TONNES CO<sub>2</sub> EQUIVALENT)

#### INCLUDING INTERNATIONAL BUNKERS

	TOTAL CIVIL AVIATION	Civil aviation (domestic) (*)	International bunkers – Aviation	ROAD TRANSPORTATION	RAILWAYS	TOTAL NAVIGATION	Navigation (domestic) (*)	International bunkers – Maritime transport	OTHER TRANSPORTATION	TOTAL TRANSPORT	TOTAL EMISSIONS (**)
EU-27	63.9	8.0	55.9	689.8	3.7	137.7	15.1	122.5	4.6	899.7	3 476.6
BE	3.6	0.0	3.6	20.8	0.1	21.0	0.4	20.6	0.4	45.9	130.7
BG	0.4	0.0	0.4	9.2	0.0	0.3	0.0	0.3	0.1	10.0	49.9
CZ	0.4	0.0	0.4	17.4	0.3	0.0	0.0		0.1	18.1	113.7
DK	1.1	0.1	1.0	11.3	0.2	2.1	0.5	1.6		14.7	44.4
DE	14.8	1.0	13.8	143.1	0.8	5.1	1.4	3.6	0.8	164.6	746.1
EE	0.1	0.0	0.1	2.2	0.0	0.9	0.0	0.9		3.2	12.5
IE	1.2	0.0	1.2	9.7	0.1	0.8	0.3	0.5	0.1	12.0	59.4
EL	1.6	0.2	1.3	13.4	0.0	7.4	1.8	5.6		22.3	81.8
ES	8.0	1.5	6.5	70.0	0.2	22.9	2.5	20.4	0.1	101.2	301.7
FR	11.2	3.1	8.1	104.5	0.3	4.5	1.3	3.2	0.3	120.7	404.2
HR	0.2	0.0	0.2	5.6	0.0	0.2	0.1	0.1		6.0	24.0
IT	5.0	1.2	3.8	78.7	0.2	10.3	4.7	5.6	0.7	94.9	390.7
CY	0.3	0.0	0.3	1.9		0.9	0.0	0.9		3.1	10.1
LV	0.2	0.0	0.2	3.0	0.1	0.7	0.0	0.7		4.0	11.4
LT	0.2	0.0	0.2	5.9	0.2	0.6	0.0	0.6	0.0	6.9	20.9
LU	1.7	0.0	1.7	4.7	0.0	0.0	0.0	0.0		6.3	10.7
HU	0.3	0.0	0.3	12.3	0.1	0.0	0.0		0.1	12.9	63.1
MT	0.2	0.0	0.2	0.5		7.1	0.0	7.1		7.9	9.4
NL	6.7	0.0	6.7	25.5	0.1	38.4	0.7	37.7	0.1	70.8	208.8
AT	1.1	0.0	1.1	20.6	0.1	0.1	0.0	0.0	0.5	22.3	74.7
PL	1.4	0.1	1.4	62.1	0.3	1.0	0.0	1.0	0.8	65.6	378.4
PT	1.8	0.3	1.6	14.3	0.0	2.4	0.2	2.2		18.6	61.4
RO	0.3	0.1	0.1	17.7	0.4	0.3	0.1	0.1	0.0	18.7	110.2
SI	0.0	0.0	0.0	4.6	0.0	0.4	0.0	0.4	0.0	5.0	16.2
SK	0.1	0.0	0.1	6.8	0.1	0.0	0.0	0.0	0.2	7.1	37.1
FI	1.0	0.1	0.9	9.9	0.1	1.3	0.4	1.0		12.3	49.6
SE	1.1	0.2	0.9	14.1	0.0	9.0	0.7	8.3	0.4	24.7	55.5
IS	0.3	0.0	0.3	0.8		0.1	0.0	0.1	0.0	1.2	4.9
NO	1.3	0.7	0.5	8.4	0.0	3.9	2.8	1.0		13.5	50.9
CH	2.1	0.1	2.1	13.3	0.0	0.1	0.1	0.0	0.0	15.7	45.5
MK											
TR	8.1	2.2	5.9	76.6	0.3	3.0	1.3	1.7	0.3	88.3	531.5
UK	15.0	0.6	14.5	89.4	1.4	13.4	4.8	8.6	0.6	119.8	425.2

NB: (\*) Excluding international bunkers (international traffic departing from the EU).

(\*\*) Including international bunkers and indirect CO<sub>2</sub> but excluding LULUCF (land use, land-use change and forestry).

## GHG emissions from transport 3.2.6 2020 – BY MODE (SHARES %)

### INCLUDING INTERNATIONAL BUNKERS

	TOTAL CIVIL AVIATION	Civil aviation (domestic) (*)	International bunkers – Aviation	ROAD TRANSPORTATION	RAILWAYS	TOTAL NAVIGATION	Navigation (domestic) (*)	International bunkers – Maritime transport	OTHER TRANSPORTATION	TOTAL TRANSPORT (***)	TOTAL EMISSIONS (**)
EU-27	7.1	0.9	6.2	76.7	0.4	15.3	1.7	13.6	0.5	25.9	100
BE	7.9	0.0	7.9	45.3	0.2	45.7	0.8	44.9	0.9	35.1	100
BG	4.3	0.1	4.2	91.8	0.4	2.7	0.0	2.6	0.8	20.1	100
CZ	2.0	0.1	1.9	96.0	1.4	0.1	0.1		0.5	16.0	100
DK	7.3	0.5	6.7	76.9	1.4	14.5	3.3	11.2		33.0	100
DE	9.0	0.6	8.4	87.0	0.5	3.1	0.9	2.2	0.5	22.1	100
EE	2.4	0.1	2.3	67.6	1.1	28.9	0.6	28.3		25.6	100
IE	10.0	0.1	9.9	81.1	0.9	6.7	2.7	4.0	1.2	20.1	100
EL	7.0	1.0	6.0	59.9	0.1	33.0	7.9	25.1		27.3	100
ES	7.9	1.5	6.4	69.2	0.2	22.7	2.4	20.2	0.1	33.5	100
FR	9.3	2.5	6.7	86.5	0.3	3.7	1.1	2.6	0.3	29.9	100
HR	3.0	0.3	2.7	93.0	0.8	3.2	2.1	1.1		25.1	100
IT	5.3	1.3	4.0	83.0	0.2	10.8	4.9	5.9	0.7	24.3	100
CY	10.5	0.0	10.5	61.2		28.3	0.0	28.2		31.1	100
LV	4.5	0.0	4.5	74.9	2.3	18.3	0.2	18.1		35.3	100
LT	2.4	0.0	2.4	85.7	2.6	8.7	0.2	8.5	0.5	32.9	100
LU	26.1	0.0	26.1	73.8	0.1	0.0	0.0	0.0		59.1	100
HU	2.4	0.0	2.4	95.6	0.9	0.1	0.1		1.0	20.4	100
MT	2.5	0.0	2.5	6.8		90.7	0.5	90.2		83.5	100
NL	9.5	0.0	9.5	36.0	0.1	54.3	1.0	53.3	0.1	33.9	100
AT	4.8	0.1	4.7	92.3	0.4	0.3	0.1	0.2	2.2	29.8	100
PL	2.2	0.1	2.1	94.7	0.4	1.5	0.0	1.5	1.2	17.3	100
PT	9.9	1.4	8.5	77.0	0.2	13.0	1.1	11.9		30.3	100
RO	1.4	0.6	0.8	95.0	2.1	1.5	0.7	0.7	0.0	17.0	100
SI	0.6	0.0	0.5	91.9	0.4	7.1	0.0	7.1	0.0	30.6	100
SK	0.8	0.0	0.8	95.4	1.1	0.3	0.1	0.2	2.4	19.2	100
FI	7.8	0.7	7.1	80.7	0.5	10.9	2.9	8.0		24.8	100
SE	4.6	0.8	3.8	57.3	0.2	36.4	2.7	33.7	1.5	44.4	100
IS	22.5	1.1	21.5	67.1		8.4	2.0	6.3	1.9	25.3	100
NO	9.3	5.3	4.0	61.8	0.2	28.7	20.9	7.7		26.6	100
CH	13.7	0.5	13.2	85.1	0.2	0.8	0.7	0.1	0.2	34.4	100
MK											
TR	9.1	2.5	6.7	86.7	0.4	3.4	1.4	2.0	0.4	16.6	100
UK	12.6	0.5	12.1	74.6	1.2	11.2	4.0	7.2	0.5	28.2	100

NB: (\*) Excluding international bunkers (international traffic departing from the EU).

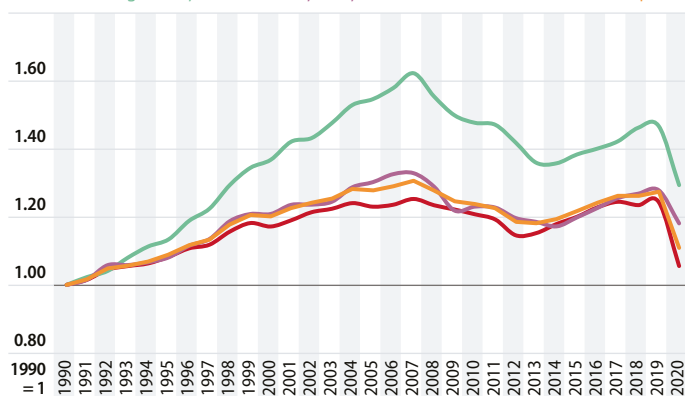
(\*\*) Including international bunkers and indirect CO<sub>2</sub> but excluding LULUCF (land use, land-use change and forestry).

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

## 3.2.7 GHG emissions from road transport EU-27 – BY TRANSPORT MEAN (MILLION TONNES CO<sub>2</sub> EQUIVALENT)

	ROAD TRANSPORTATION	Cars	Light-duty trucks	Heavy-duty trucks and buses	Motorcycles	Other road transportation	TOTAL TRANSPORT (*)	TOTAL EMISSIONS (**)
1990	620.1	388.0	58.4	164.8	8.6	0.4	829.6	5 003.3
1995	675.7	420.8	66.4	178.3	9.9	0.2	894.0	4 716.1
2000	747.3	456.1	80.3	199.8	10.9	0.2	1 012.2	4 657.5
2005	796.9	479.3	90.9	215.5	11.0	0.2	1 097.7	4 786.7
2010	771.7	470.4	86.8	203.4	10.9	0.1	1 068.7	4 426.6
2011	764.4	464.2	86.4	203.0	10.7	0.1	1 062.3	4 320.9
2012	737.5	445.8	83.3	197.8	10.4	0.1	1 020.3	4 233.5
2013	734.4	448.4	79.8	195.9	10.1	0.1	1 007.5	4 140.3
2014	742.9	459.0	79.7	193.7	10.4	0.1	1 011.9	4 000.3
2015	757.3	467.5	81.2	198.1	10.4	0.1	1 033.0	4 054.2
2016	773.7	478.5	82.3	202.8	10.1	0.1	1 060.9	4 069.0
2017	786.3	485.0	83.5	207.7	10.0	0.1	1 086.6	4 105.5
2018	786.8	481.1	85.9	209.8	9.8	0.1	1 097.2	4 028.8
2019	792.9	484.7	86.2	211.5	10.3	0.1	1 105.1	3 872.0
2020	689.8	409.9	75.9	195.2	8.8	0.1	899.7	3 476.6

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



NB: (\*) Including international bunkers (international traffic departing from the EU).

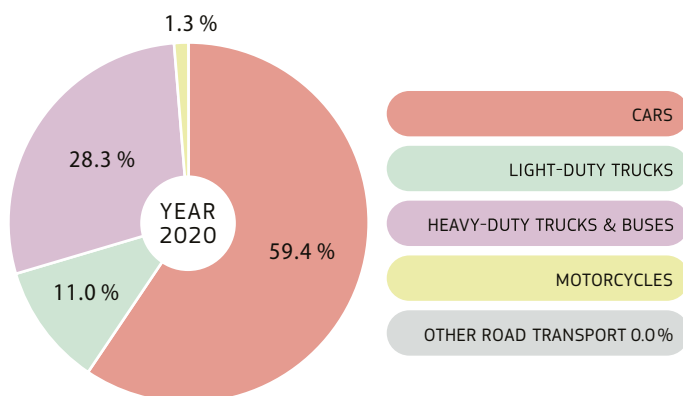
(\*\*) Including international bunkers and indirect CO<sub>2</sub> but excluding LULUCF (land use, land-use change and forestry).

## GHG emissions from road transport 3.2.7

### EU-27 – BY TRANSPORT MEAN

(SHARES %)

	ROAD TRANSPORTATION	Cars	Light-duty trucks	Heavy-duty trucks and buses	Motorcycles	Other road transportation	TOTAL TRANSPORT (***)	TOTAL EMISSIONS (**)
1990	74.8	46.8	7.0	19.9	1.0	0.0	16.6	100
1995	75.6	47.1	7.4	19.9	1.1	0.0	19.0	100
2000	73.8	45.1	7.9	19.7	1.1	0.0	21.7	100
2005	72.6	43.7	8.3	19.6	1.0	0.0	22.9	100
2010	72.2	44.0	8.1	19.0	1.0	0.0	24.1	100
2011	72.0	43.7	8.1	19.1	1.0	0.0	24.6	100
2012	72.3	43.7	8.2	19.4	1.0	0.0	24.1	100
2013	72.9	44.5	7.9	19.4	1.0	0.0	24.3	100
2014	73.4	45.4	7.9	19.1	1.0	0.0	25.3	100
2015	73.3	45.3	7.9	19.2	1.0	0.0	25.5	100
2016	72.9	45.1	7.8	19.1	1.0	0.0	26.1	100
2017	72.4	44.6	7.7	19.1	0.9	0.0	26.5	100
2018	71.7	43.8	7.8	19.1	0.9	0.0	27.2	100
2019	71.7	43.9	7.8	19.1	0.9	0.0	28.5	100
2020	76.7	45.6	8.4	21.7	1.0	0.0	25.9	100



**NB:** (\*\*) Including international bunkers and indirect CO<sub>2</sub> but excluding LULUCF (land use, land-use change and forestry).

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

## 3.2.8

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

(MILLION TONNES)

	1990	1995	2000	2005	2010	2015	2019	2020
<b>EU-27</b>	<b>3 928.3</b>	<b>3 712.3</b>	<b>3 697.6</b>	<b>3 842.9</b>	<b>3 544.6</b>	<b>3 212.4</b>	<b>3 050.2</b>	<b>2 688.0</b>
<b>EU-28</b>	<b>4 543.4</b>	<b>4 296.0</b>	<b>4 294.0</b>	<b>4 445.6</b>	<b>4 085.8</b>	<b>3 665.6</b>	<b>3 449.0</b>	
BE	123.4	128.8	131.4	129.2	118.7	105.5	104.6	94.0
BG	77.4	58.9	45.7	51.2	48.4	48.8	43.0	37.4
CZ	166.8	133.7	128.9	127.8	119.4	106.7	103.0	92.8
DK	56.5	64.5	57.5	54.8	52.1	38.2	34.3	29.5
DE	1 063.9	953.7	918.6	889.1	856.8	820.1	736.8	653.0
EE	37.0	18.1	15.6	17.2	19.1	16.0	12.6	9.4
IE	34.0	37.0	47.1	50.6	44.1	41.2	40.6	36.3
EL	85.9	89.6	105.5	116.5	99.9	77.8	69.7	56.9
ES	236.1	274.2	321.2	381.6	296.9	286.7	270.8	219.8
FR	407.2	403.5	428.9	441.2	403.0	359.2	345.8	297.4
HR	23.5	17.1	19.9	23.6	21.3	18.2	18.5	17.0
IT	443.8	455.6	478.4	510.7	444.9	370.7	351.6	306.1
CY	5.4	6.7	8.0	8.8	8.9	7.7	8.4	7.6
LV	19.9	9.2	7.2	8.0	8.9	7.6	8.1	7.2
LT	36.2	15.2	11.9	14.3	14.1	13.6	14.3	13.8
LU	12.2	9.7	9.7	13.4	12.5	10.7	11.5	9.7
HU	73.7	61.9	59.1	61.1	52.8	47.2	50.1	47.6
MT	2.6	2.8	2.8	2.9	2.9	2.0	2.2	1.8
NL	167.3	180.6	181.5	188.3	192.2	176.0	165.4	144.9
AT	63.0	65.4	67.8	81.0	74.1	68.5	70.8	63.1
PL	377.5	363.7	318.5	324.3	336.4	315.3	321.7	304.9
PT	46.9	56.3	67.9	72.2	55.8	55.6	52.1	43.5
RO	174.3	126.2	93.1	100.6	85.1	78.7	77.5	74.3
SI	15.1	15.4	15.1	17.0	16.5	13.7	14.1	12.9
SK	61.6	44.3	41.2	43.0	38.6	34.7	34.0	31.2
FI	58.1	59.1	58.2	58.4	65.8	46.1	45.0	38.5
SE	58.9	61.0	56.8	56.0	55.4	45.9	43.6	37.4
IS	2.4	2.7	3.3	3.4	4.0	4.2	4.5	3.6
NO	35.7	39.1	43.0	44.3	47.0	47.2	44.5	41.7
CH	47.6	47.4	48.5	49.4	49.4	43.8	42.5	36.4
MK								
TR	152.2	182.3	231.5	268.1	321.9	395.4	415.6	419.3
UK	615.1	583.7	596.4	602.7	541.1	453.2	398.8	338.6

**NB:** (\*) Excluding international maritime and LULUCF (land use, land-use change and forestry) emissions, including international aviation and indirect CO<sub>2</sub>. Emissions data are downloaded from the European Environment Agency (EEA), which is the main provider for EU-wide GHG emissions data. EEA prepares and maintains the complete EU GHG emissions inventory, which is based on data reported by Member States through the EU GHG monitoring mechanism and the UNFCCC process.

## CO<sub>2</sub> emissions from transport 3.2.9

### (MILLION TONNES)

#### INCLUDING INTERNATIONAL BUNKERS (\*)

	1990	1995	2000	2005	2010	2015	2019	2020
<b>EU-27</b>	<b>815.6</b>	<b>877.5</b>	<b>997.0</b>	<b>1 085.0</b>	<b>1 057.1</b>	<b>1 021.4</b>	<b>1 092.3</b>	<b>888.8</b>
<b>EU-28</b>	<b>958.5</b>	<b>1 027.4</b>	<b>1 162.0</b>	<b>1 259.3</b>	<b>1 219.9</b>	<b>1 185.0</b>	<b>1 257.2</b>	
BE	37.0	38.5	45.6	55.3	55.5	49.9	57.6	45.5
BG	7.2	6.0	5.8	8.6	8.7	10.0	10.8	9.9
CZ	11.7	10.8	12.4	18.1	17.6	18.2	20.1	17.9
DK	15.4	18.8	18.7	18.4	17.8	17.5	18.3	14.5
DE	180.5	195.8	205.7	190.2	185.5	192.9	196.5	162.5
EE	3.1	1.9	2.0	2.6	3.0	3.3	3.1	3.2
IE	6.2	7.6	12.9	15.7	14.1	14.7	15.8	11.8
EL	24.7	30.1	32.4	33.1	33.4	25.5	29.8	21.8
ES	74.1	85.8	114.0	138.8	130.6	121.3	132.4	100.0
FR	137.1	147.6	162.7	164.7	156.3	155.3	154.8	119.4
HR	4.4	3.6	4.6	5.8	6.2	6.3	7.2	6.0
IT	109.1	121.4	133.5	141.9	129.9	120.1	123.1	93.8
CY	2.1	2.5	3.2	3.8	3.8	3.4	4.0	3.1
LV	4.7	2.6	2.3	4.1	4.4	4.2	4.7	3.9
LT	6.4	3.7	3.5	4.7	4.9	5.5	7.2	6.8
LU	3.0	3.9	5.8	8.4	7.8	7.0	7.9	6.3
HU	9.2	7.9	9.7	12.7	12.3	12.6	15.4	12.7
MT	1.5	2.3	3.1	2.9	5.5	5.9	8.5	7.8
NL	67.3	72.4	84.8	96.3	89.2	82.3	78.9	70.0
AT	14.7	17.0	20.4	26.8	24.5	24.7	27.2	22.0
PL	22.2	24.3	29.7	37.6	50.9	50.0	69.4	64.8
PT	13.6	16.6	23.0	23.5	23.1	21.4	25.0	18.4
RO	12.9	8.9	10.0	12.8	14.6	16.4	19.2	18.4
SI	2.7	3.9	3.6	4.5	5.4	5.6	6.3	4.9
SK	6.8	5.5	5.7	7.7	7.5	7.4	8.2	7.1
FI	14.7	13.0	15.0	15.6	14.9	13.6	14.8	12.2
SE	23.4	25.1	27.0	30.1	29.9	26.5	26.2	24.3
IS	0.9	1.0	1.3	1.4	1.3	1.8	2.2	1.2
NO	12.8	13.7	15.5	16.4	16.8	16.8	15.2	13.2
CH	17.5	17.7	20.4	19.2	20.5	20.1	20.4	15.5
<b>MK</b>								
TR	27.2	34.6	38.4	47.7	52.6	88.1	97.5	86.6
UK	142.9	149.9	165.0	174.3	162.8	163.6	164.9	118.5

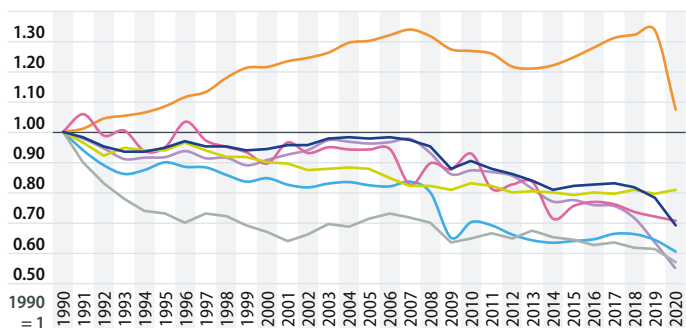
**NB:** (\*) The activity data used in GHG inventories to report international maritime emissions (emissions from bunker fuels) are not fully consistent with the energy statistics on bunker fuels for some years and countries. For the EU-27, changes in international maritime emissions between 2010 and 2011 show inconsistencies with changes in energy statistics on bunker fuels.

## 3.2.10

## CO<sub>2</sub> emissions (\*) EU-27 BY SECTOR (MILLION TONNES)

	TOTAL ENERGY	FUEL COMBUSTION	ENERGY INDUSTRIES	Public electricity and heat production	Petroleum refining	Other energy industries	MANUFACTURING AND CONSTRUCTION	Iron and steel	Non-ferrous metals	Chemicals	Pulp, paper and print	Food, beverages and tobacco	Other
1990	3593.3	3570.1	1430.3	1226.5	103.0	100.8	721.2	151.5	12.2	101.8	29.9	45.2	380.6
1995	3407.7	3386.4	1309.4	1119.1	108.0	82.4	641.3	130.6	11.6	98.4	34.0	54.7	311.9
2000	3389.8	3368.9	1295.9	1119.3	115.3	61.2	581.7	116.5	12.8	86.4	31.8	48.6	285.7
2005	3528.9	3508.0	1374.6	1188.9	123.0	62.6	550.1	104.3	11.5	83.8	30.2	45.0	275.3
2010	3283.7	3263.1	1245.6	1074.8	116.0	54.8	475.0	93.0	11.0	75.5	26.6	36.1	232.9
2011	3186.7	3165.2	1237.2	1069.7	113.5	54.0	463.1	92.3	10.4	74.0	25.5	34.3	226.6
2012	3126.0	3104.3	1219.5	1065.1	110.1	44.3	445.1	86.6	9.5	72.4	24.8	34.2	217.7
2013	3045.7	3022.4	1155.4	1009.2	104.5	41.7	427.6	81.6	9.1	68.9	24.3	34.3	209.3
2014	2905.5	2883.1	1095.0	951.5	102.3	41.2	414.3	80.1	8.5	64.0	22.7	34.0	204.9
2015	2963.8	2941.5	1102.7	960.2	103.1	39.3	421.7	84.8	8.6	62.5	22.7	34.3	208.8
2016	2975.2	2953.4	1078.4	935.3	103.4	39.6	426.3	81.7	8.8	62.8	23.0	34.9	215.1
2017	2999.0	2976.7	1073.6	933.0	101.6	38.9	436.2	82.4	9.2	66.4	23.2	36.3	218.7
2018	2933.7	2911.7	1014.0	874.2	100.5	39.3	437.5	82.2	9.0	69.3	23.1	36.1	217.8
2019	2800.6	2779.4	896.7	757.2	101.6	38.0	423.2	77.7	9.3	65.2	23.8	35.6	211.6
2020	2455.3	2436.3	772.3	647.8	92.2	32.3	400.3	69.5	8.5	64.8	21.4	34.0	202.0

Energy industries - Industry (\*\*\*) - Transport (\*\*) - Residential & commercial - Agriculture, forestry, fisheries (\*\*\*\*) - Other (\*\*\*\*\*) - Total



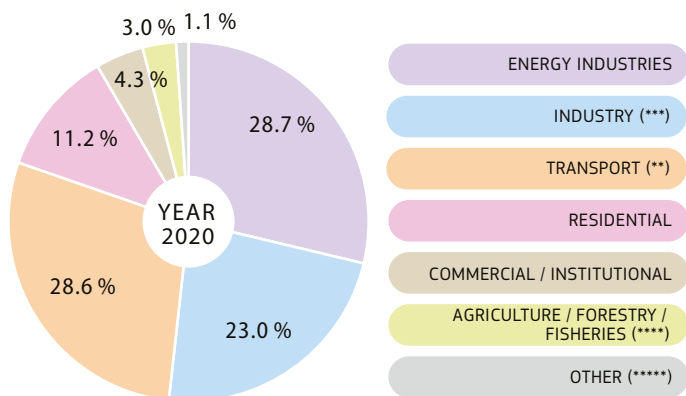
- NB:** (\*) Excluding LULUCF (land use, land-use change and forestry) emissions and international maritime, including international aviation and indirect CO<sub>2</sub>.  
 (\*\*) Excluding international maritime (international traffic departing from the EU), including international aviation.  
 (\*\*\*) Emissions from manufacturing and construction, industrial processes and product use.  
 (\*\*\*\*) Emissions from fuel combustion and other emissions from agriculture.  
 (\*\*\*\*\*) Emissions from other (not elsewhere specified), fugitive emissions from fuels, waste, indirect CO<sub>2</sub> and other.



## CO<sub>2</sub> emissions (\*) EU-27 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	Agriculture	Waste	Other	Indirect CO <sub>2</sub>	TOTAL EMISSIONS	
	Commercial / institutional	Residential											
714.2	682.9	169.6	426.6	86.7	21.5	23.2	312.8	14.1	3.8		4.3	3928.3	1990
775.8	650.2	147.9	417.5	84.8	9.8	21.2	287.5	9.9	3.6		3.6	3712.3	1995
870.0	613.0	142.9	389.8	80.3	8.4	20.8	291.8	10.2	2.8		3.0	3697.6	2000
932.8	640.0	153.2	407.4	79.4	10.6	20.9	298.9	9.1	3.4		2.6	3842.9	2005
908.4	626.5	161.8	390.2	74.5	7.7	20.6	246.5	8.8	3.3		2.3	3544.6	2010
901.5	555.3	139.3	342.4	73.6	8.0	21.5	246.6	8.9	3.2		2.2	3447.5	2011
870.9	561.8	139.5	351.2	71.2	6.9	21.6	232.7	9.2	3.2		2.1	3373.2	2012
866.3	566.2	141.3	353.9	71.0	6.9	23.3	230.2	9.8	3.1		1.9	3290.7	2013
874.2	492.9	124.1	298.2	70.6	6.7	22.4	235.5	9.8	3.1		1.9	3155.8	2014
893.1	517.2	132.7	315.1	69.5	6.8	22.3	234.1	9.8	2.8		1.9	3212.4	2015
916.7	525.8	133.5	322.4	69.9	6.1	21.8	235.6	10.4	2.9		1.8	3226.0	2016
939.8	521.0	133.0	318.1	69.9	6.1	22.3	244.5	10.0	2.9		1.8	3258.2	2017
947.5	506.9	129.2	306.6	71.1	5.8	22.0	241.8	10.1	2.9		1.7	3190.1	2018
956.5	496.9	125.1	301.4	70.3	6.2	21.2	235.6	9.3	3.0		1.6	3050.2	2019
767.8	489.6	115.9	302.3	71.3	6.3	19.0	218.6	9.7	2.9		1.5	2688.0	2020



- NB:** (\*) Excluding LULUCF (land use, land-use change and forestry) emissions and international maritime, including international aviation and indirect CO<sub>2</sub>.  
 (\*\*) Excluding international maritime (international traffic departing from the EU), including international aviation.  
 (\*\*\*) Emissions from manufacturing and construction, industrial processes and product use.  
 (\*\*\*\*) Emissions from fuel combustion and other emissions from agriculture.  
 (\*\*\*\*\*) Emissions from other (not elsewhere specified), fugitive emissions from fuels, waste, indirect CO<sub>2</sub> and other.

## 3.2.10

## CO<sub>2</sub> emissions (\*) EU-27 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	91.5	90.9	36.4	31.2	2.6	2.6	18.4	3.9	0.3	2.6	0.8	1.2	9.7
1991	92.1	91.6	36.2	31.2	2.5	2.4	17.7	3.6	0.3	2.5	0.8	1.3	9.1
1992	92.3	91.7	36.1	31.3	2.6	2.2	17.3	3.5	0.3	2.3	0.8	1.3	9.1
1993	92.3	91.8	35.4	30.4	2.7	2.2	17.0	3.3	0.3	2.2	0.8	1.3	9.0
1994	91.9	91.3	35.7	30.6	2.8	2.3	17.0	3.5	0.3	2.4	0.9	1.4	8.5
1995	91.8	91.2	35.3	30.1	2.9	2.2	17.3	3.5	0.3	2.7	0.9	1.5	8.4
1996	92.2	91.6	35.2	30.3	2.9	2.0	16.7	3.2	0.3	2.5	0.9	1.5	8.3
1997	91.9	91.3	34.9	29.8	3.0	2.0	16.7	3.3	0.3	2.5	0.9	1.4	8.2
1998	91.9	91.3	35.0	30.0	3.1	1.9	16.1	3.2	0.3	2.3	0.9	1.4	8.0
1999	92.0	91.4	34.5	29.7	3.0	1.7	15.9	3.0	0.3	2.4	0.9	1.4	8.0
2000	91.7	91.1	35.0	30.3	3.1	1.7	15.7	3.1	0.3	2.3	0.9	1.3	7.7
2001	92.1	91.6	35.2	30.5	3.1	1.6	15.2	2.9	0.4	2.3	0.8	1.3	7.5
2002	92.1	91.5	35.8	31.1	3.1	1.6	14.9	2.8	0.3	2.2	0.8	1.3	7.5
2003	92.1	91.5	36.2	31.6	3.0	1.5	14.7	2.7	0.3	2.2	0.8	1.3	7.4
2004	91.8	91.3	35.9	31.1	3.1	1.6	14.5	2.7	0.3	2.2	0.8	1.2	7.3
2005	91.8	91.3	35.8	30.9	3.2	1.6	14.3	2.7	0.3	2.2	0.8	1.2	7.2
2006	91.7	91.1	35.8	31.0	3.2	1.7	14.0	2.7	0.3	2.1	0.8	1.1	7.0
2007	91.6	91.0	36.5	31.6	3.3	1.6	14.4	2.9	0.3	2.2	0.8	1.0	7.2
2008	91.9	91.3	35.4	30.6	3.3	1.6	14.3	2.8	0.3	2.2	0.7	1.0	7.2
2009	93.1	92.5	35.7	30.9	3.4	1.4	12.9	2.2	0.3	2.1	0.8	1.0	6.6
2010	92.6	92.1	35.1	30.3	3.3	1.5	13.4	2.6	0.3	2.1	0.7	1.0	6.6
2011	92.4	91.8	35.9	31.0	3.3	1.6	13.4	2.7	0.3	2.1	0.7	1.0	6.6
2012	92.7	92.0	36.2	31.6	3.3	1.3	13.2	2.6	0.3	2.1	0.7	1.0	6.5
2013	92.6	91.8	35.1	30.7	3.2	1.3	13.0	2.5	0.3	2.1	0.7	1.0	6.4
2014	92.1	91.4	34.7	30.2	3.2	1.3	13.1	2.5	0.3	2.0	0.7	1.1	6.5
2015	92.3	91.6	34.3	29.9	3.2	1.2	13.1	2.6	0.3	1.9	0.7	1.1	6.5
2016	92.2	91.6	33.4	29.0	3.2	1.2	13.2	2.5	0.3	1.9	0.7	1.1	6.7
2017	92.0	91.4	33.0	28.6	3.1	1.2	13.4	2.5	0.3	2.0	0.7	1.1	6.7
2018	92.0	91.3	31.8	27.4	3.1	1.2	13.7	2.6	0.3	2.2	0.7	1.1	6.8
2019	91.8	91.1	29.4	24.8	3.3	1.2	13.9	2.5	0.3	2.1	0.8	1.2	6.9
2020	91.3	90.6	28.7	24.1	3.4	1.2	14.9	2.6	0.3	2.4	0.8	1.3	7.5

**NB:** (\*) Excluding LULUCF (land use, land-use change and forestry) emissions and international maritime, including international aviation and indirect CO<sub>2</sub>. Indirect emissions from electricity use are not included in the CO<sub>2</sub> emissions from fuel combustion by manufacturing and construction, transport and other sectors (commercial/institutional, residential and agriculture/forestry/fisheries).

## CO<sub>2</sub> emissions (\*) EU-27 BY SECTOR (SHARES %)

3.2.10

TRANSPORT (**)	OTHER SECTORS	Commercial / institutional	Residential	Agriculture / forestry / fisheries	OTHER (NOT ELSE-WHERE SPECIFIED)	FUGITIVE EMISSIONS FROM FUELS	INDUSTRIAL PROCESSES & PRODUCT USE	Agriculture	Waste	Other	Indirect CO <sub>2</sub>	TOTAL EMISSIONS	
18.2	17.4	4.3	10.9	2.2	0.5	0.6	8.0	0.4	0.1		0.1	100	1990
18.7	18.6	4.5	11.8	2.2	0.5	0.6	7.4	0.3	0.1		0.1	100	1991
20.0	17.9	4.2	11.5	2.2	0.4	0.6	7.2	0.3	0.1		0.1	100	1992
20.5	18.6	4.3	12.0	2.3	0.3	0.6	7.2	0.3	0.1		0.1	100	1993
20.8	17.5	4.0	11.2	2.3	0.3	0.6	7.6	0.3	0.1		0.1	100	1994
20.9	17.5	4.0	11.2	2.3	0.3	0.6	7.7	0.3	0.1		0.1	100	1995
21.0	18.5	4.3	12.0	2.3	0.2	0.5	7.4	0.3	0.1		0.1	100	1996
21.7	17.7	4.0	11.5	2.3	0.3	0.6	7.7	0.3	0.1		0.1	100	1997
22.6	17.4	4.0	11.2	2.2	0.3	0.6	7.7	0.3	0.1		0.1	100	1998
23.6	17.3	4.1	11.0	2.2	0.2	0.6	7.5	0.3	0.1		0.1	100	1999
23.5	16.6	3.9	10.5	2.2	0.2	0.6	7.9	0.3	0.1		0.1	100	2000
23.5	17.4	4.2	11.1	2.1	0.2	0.5	7.5	0.3	0.1		0.1	100	2001
23.8	16.8	4.0	10.8	2.1	0.2	0.5	7.5	0.3	0.1		0.1	100	2002
23.6	16.8	3.9	10.8	2.1	0.2	0.6	7.5	0.3	0.1		0.1	100	2003
24.1	16.6	4.0	10.6	2.1	0.3	0.5	7.8	0.2	0.1		0.1	100	2004
24.3	16.7	4.0	10.6	2.1	0.3	0.5	7.8	0.2	0.1		0.1	100	2005
24.5	16.5	4.2	10.4	2.0	0.2	0.6	7.9	0.2	0.1		0.1	100	2006
25.1	14.7	3.7	9.1	1.9	0.2	0.6	8.1	0.2	0.1		0.1	100	2007
25.2	16.2	4.2	10.1	2.0	0.2	0.6	7.7	0.2	0.1		0.1	100	2008
26.5	17.2	4.4	10.7	2.1	0.2	0.6	6.5	0.3	0.1		0.1	100	2009
25.6	17.7	4.6	11.0	2.1	0.2	0.6	7.0	0.2	0.1		0.1	100	2010
26.2	16.1	4.0	9.9	2.1	0.2	0.6	7.2	0.3	0.1		0.1	100	2011
25.8	16.7	4.1	10.4	2.1	0.2	0.6	6.9	0.3	0.1		0.1	100	2012
26.3	17.2	4.3	10.8	2.2	0.2	0.7	7.0	0.3	0.1		0.1	100	2013
27.7	15.6	3.9	9.4	2.2	0.2	0.7	7.5	0.3	0.1		0.1	100	2014
27.8	16.1	4.1	9.8	2.2	0.2	0.7	7.3	0.3	0.1		0.1	100	2015
28.4	16.3	4.1	10.0	2.2	0.2	0.7	7.3	0.3	0.1		0.1	100	2016
28.8	16.0	4.1	9.8	2.1	0.2	0.7	7.5	0.3	0.1		0.1	100	2017
29.7	15.9	4.1	9.6	2.2	0.2	0.7	7.6	0.3	0.1		0.1	100	2018
31.4	16.3	4.1	9.9	2.3	0.2	0.7	7.7	0.3	0.1		0.1	100	2019
28.6	18.2	4.3	11.2	2.7	0.2	0.7	8.1	0.4	0.1		0.1	100	2020

**NB:** (\*) Excluding LULUCF (land use, land-use change and forestry) emissions and international maritime, including international aviation and indirect CO<sub>2</sub>.  
 (\*\*) Excluding international maritime (international traffic departing from the EU), including international aviation.

Indirect emissions from electricity use are not included in the CO<sub>2</sub> emissions from fuel combustion by manufacturing and construction, transport and other sectors (commercial/institutional, residential and agriculture/forestry/fisheries).

## 3.2.11

## CO<sub>2</sub> emissions (\*) 2020

### 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-27	2455.3	2436.3	772.3	647.8	92.2	32.3	400.3	69.5	8.5	64.8	21.4	34.0	202.0
BE	79.0	78.9	18.8	13.9	4.8	0.1	12.9	1.2	0.4	3.5	0.6	2.4	4.8
BG	33.9	33.2	18.1	17.3	0.8	0.0	4.0	0.1	0.2	1.3	0.1	0.2	1.9
CZ	81.0	81.0	41.4	36.7	0.4	4.2	10.1	1.9	0.1	2.0	0.5	1.0	4.6
DK	27.5	27.3	7.2	5.4	0.9	0.9	3.5	0.1		0.2	0.1	0.9	2.3
DE	608.5	606.7	208.3	180.7	18.6	9.0	115.3	32.6	0.1		0.0	0.2	82.4
EE	9.3	9.3	5.8	4.2		1.6	0.5	0.0	0.0	0.0	0.1	0.1	0.3
IE	33.7	33.7	8.5	8.1	0.3	0.1	4.5	0.0	1.3	0.4	0.0	1.0	1.7
EL	51.8	51.8	24.4	19.9	4.4	0.0	4.4	0.1	0.3	0.6	0.1	0.6	2.7
ES	202.0	198.5	43.0	32.0	10.2	0.8	39.2	4.3	1.3	8.3	3.8	4.4	17.0
FR	267.2	265.0	36.8	29.6	5.1	2.1	41.6	5.6	1.1	9.6	2.2	7.2	15.8
HR	15.0	14.7	3.7	2.6	0.8	0.2	2.4	0.0	0.0	0.3	0.1	0.3	1.6
IT	291.8	289.7	81.4	59.9	17.4	4.0	44.9	8.0	1.0	8.7	4.7	3.5	19.0
CY	6.7	6.7	3.0	3.0		0.0	0.9	0.0	0.0	0.0	0.0	0.1	0.8
LV	6.5	6.5	1.3	1.3		0.0	0.6	0.0	0.0	0.0	0.0	0.1	0.5
LT	11.4	11.2	2.6	1.3	1.2	0.1	1.2			0.3	0.0	0.2	0.6
LU	9.2	9.2	0.2	0.2			1.1	0.3	0.0	0.1	0.0	0.0	0.6
HU	42.2	42.0	12.3	10.4	1.6	0.3	4.9	0.2	0.2	0.4	0.4	0.8	3.0
MT	1.8	1.8	0.8	0.8			0.1						0.1
NL	138.7	137.7	47.4	35.4	9.4	2.6	27.2	4.1	0.1	14.7	0.8	3.4	3.9
AT	49.8	49.7	8.7	5.7	2.7	0.3	10.4	1.8	0.3	1.4	1.8	0.8	4.3
PL	283.7	279.4	139.0	131.2	4.6	3.2	28.9	3.7	1.1	6.4	1.3	4.2	12.1
PT	39.2	38.2	10.3	8.2	2.1		7.5	0.1		1.2	1.2	0.7	4.2
RO	63.4	62.6	18.3	15.2	1.9	1.2	14.7	0.9	0.4	3.6	0.2	0.9	8.7
SI	12.1	11.9	4.5	4.5		0.0	1.7	0.2	0.1	0.1	0.3	0.1	0.9
SK	23.8	23.8	6.4	3.9	1.5	1.0	5.9	2.2	0.1	0.5	0.4	0.3	2.4
FI	34.4	34.3	12.9	11.0	1.6	0.3	6.1	0.8	0.1	0.7	2.1	0.1	2.2
SE	31.9	31.4	7.3	5.2	1.7	0.4	5.9	1.2	0.1	0.4	0.6	0.3	3.3
IS	1.9	1.7	0.0	0.0			0.0	0.0	0.0			0.0	0.0
NO	33.5	32.0	14.2	1.4	0.9	11.9	2.9	0.1	0.2	0.2	0.1	0.3	2.0
CH	34.2	34.2	3.3	2.9	0.3		4.5	0.3	0.1	0.6	0.1	0.7	2.6
MK													
TR	358.9	358.7	142.0	130.8	9.0	2.2	59.9	5.6	0.7	6.8	1.3	5.8	39.6
UK	316.0	312.5	74.8	49.6	11.1	14.1	38.9	0.9	0.6	5.0	1.3	4.0	27.0

NB: (\*) Excluding LULUCF (land use, land-use change and forestry) emissions and international maritime, including international aviation and indirect CO<sub>2</sub>.

## CO<sub>2</sub> emissions (\*) 2020 BY SECTOR (MILLION TONNES)

3.2.11

TRANSPORT (**)	OTHER SECTORS					OTHER (NOT ELSE-WHERE SPECIFIED)	FUGITIVE EMISSIONS FROM FUELS	INDUSTRIAL PROCESSES & PRODUCT USE					TOTAL EMISSIONS	
	Commercial / institutional	Residential	Agriculture / forestry / fisheries					Agriculture	Waste	Other	Indirect CO <sub>2</sub>			
767.8	489.6	115.9	302.3	71.3	6.3	19.0	218.6	9.7	2.9		1.5	2688.0	EU-27	
25.0	22.0	5.2	14.4	2.4	0.1	0.1	14.5	0.2	0.3			94.0	BE	
9.7	1.4	0.3	0.7	0.4	0.0	0.7	3.5	0.0	0.0			37.4	BG	
17.9	11.3	2.7	7.4	1.2	0.3	0.1	10.7	0.3	0.1		0.5	92.8	CZ	
12.9	3.5	0.7	1.5	1.3	0.2	0.1	1.5	0.3	0.0		0.2	29.5	DK	
158.9	123.4	27.6	89.8	6.0	0.7	1.8	41.9	2.6				653.0	DE	
2.3	0.7	0.3	0.2	0.3		0.0	0.1	0.0	0.0			9.4	EE	
11.3	9.4	1.8	6.9	0.6		0.0	2.1	0.5	0.0			36.3	IE	
16.4	6.3	0.6	5.0	0.7	0.3	0.0	5.1	0.0	0.0			56.9	EL	
79.8	36.1	9.0	15.4	11.7	0.4	3.6	17.1	0.6				219.8	ES	
116.2	68.9	19.8	38.7	10.4	1.5	2.2	26.8	1.9	1.6			297.4	FR	
5.9	2.7	0.6	1.5	0.7		0.3	2.0	0.1				17.0	HR	
88.2	74.6	23.4	44.1	7.1	0.6	2.1	13.7	0.5	0.1			306.1	IT	
2.2	0.5	0.1	0.3	0.1	0.0		0.9	0.0			0.0	7.6	CY	
3.2	1.3	0.4	0.4	0.5	0.0	0.0	0.6	0.1	0.0		0.0	7.2	LV	
6.2	1.2	0.3	0.7	0.2	0.0	0.2	2.4	0.0	0.0			13.8	LT	
6.3	1.6	0.6	1.0	0.0	0.0	0.0	0.6	0.0				9.7	LU	
12.7	12.1	2.8	7.6	1.6	0.1	0.2	5.1	0.2	0.0			47.6	HU	
0.8	0.2	0.1	0.0	0.0	0.0		0.0		0.0			1.8	MT	
32.7	30.3	6.4	15.0	8.9	0.2	0.9	5.7	0.1			0.4	144.9	NL	
22.0	8.6	1.3	6.4	0.9	0.0	0.1	13.1	0.1	0.0			63.1	AT	
63.8	47.7	5.9	31.2	10.7		4.2	19.1	1.5	0.6			304.9	PL	
16.2	4.2	1.0	1.9	1.3	0.1	1.0	4.1	0.0	0.0		0.1	43.5	PT	
18.3	10.8	2.1	7.2	1.5	0.6	0.8	10.7	0.1	0.0			74.3	RO	
4.5	1.2	0.3	0.6	0.2	0.0	0.1	0.8	0.0	0.0			12.9	SI	
7.0	4.4	1.1	2.9	0.3	0.1	0.0	7.3	0.1	0.0		0.0	31.2	SK	
11.2	3.2	1.1	0.9	1.2	0.9	0.1	3.9	0.2			0.1	38.5	FI	
16.1	2.2	0.6	0.4	1.1		0.4	5.3	0.1	0.1			37.4	SE	
1.1	0.5	0.0	0.0	0.5	0.0	0.2	1.7	0.0	0.0			3.6	IS	
12.2	2.6	1.0	0.4	1.3	0.1	1.5	7.9	0.1	0.2			41.7	NO	
15.5	10.9	3.2	7.0	0.6	0.1	0.0	2.0	0.0	0.0	0.0	0.1	36.4	CH	
													MK	
84.9	71.9	13.6	48.2	10.1		0.2	58.7	1.7	0.0			419.3	TR	
110.1	87.4	18.3	64.3	4.8	1.4	3.4	21.2	1.2	0.2			338.6	UK	

**NB:** (\*) Excluding LULUCF (land use, land-use change and forestry) emissions and international maritime, including international aviation and indirect CO<sub>2</sub>;  
(\*\*) Excluding international maritime (international traffic departing from the EU), including international aviation.

## 3.2.11

## CO<sub>2</sub> emissions (\*) 2020

### BY SECTOR (SHARES %)

	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			
EU-27	91.3	90.6	28.7	24.1	3.4	1.2	14.9	2.6	0.3	2.4	0.8	1.3	7.5	
BE	84.1	84.0	20.0	14.8	5.1	0.1	13.8	1.3	0.4	3.7	0.6	2.6	5.1	
BG	90.6	88.7	48.5	46.4	2.1	0.0	10.6	0.3	0.7	3.6	0.3	0.6	5.2	
CZ	87.4	87.3	44.6	39.6	0.5	4.5	10.9	2.0	0.2	2.2	0.5	1.1	5.0	
DK	93.1	92.7	24.4	18.2	3.1	3.1	11.9	0.3		0.7	0.2	2.9	7.7	
DE	93.2	92.9	31.9	27.7	2.8	1.4	17.7	5.0	0.0		0.0	0.0	12.6	
EE	98.7	98.7	61.7	45.1		16.6	5.4	0.0	0.0	0.1	0.7	1.0	3.6	
IE	92.8	92.8	23.4	22.4	0.8	0.3	12.4	0.0	3.7	1.1	0.1	2.8	4.7	
EL	91.1	91.0	42.9	35.0	7.8	0.1	7.7	0.2	0.6	1.1	0.1	1.0	4.8	
ES	91.9	90.3	19.6	14.6	4.7	0.3	17.8	2.0	0.6	3.8	1.7	2.0	7.8	
FR	89.8	89.1	12.4	10.0	1.7	0.7	14.0	1.9	0.4	3.2	0.7	2.4	5.3	
HR	87.8	86.1	21.5	15.4	4.9	1.2	14.0	0.2	0.1	2.0	0.7	1.7	9.3	
IT	95.3	94.6	26.6	19.6	5.7	1.3	14.7	2.6	0.3	2.8	1.5	1.1	6.2	
CY	88.0	88.0	39.8	39.5		0.3	12.0	0.0	0.0	0.1	0.0	0.8	11.0	
LV	90.4	90.4	18.5	17.8		0.7	8.5	0.0	0.0	0.3	0.1	1.2	6.8	
LT	82.3	81.0	18.7	9.4	8.8	0.5	8.5			2.0	0.2	1.8	4.4	
LU	94.1	94.1	2.2	2.2			11.1	2.7	0.4	1.2	0.0	0.3	6.5	
HU	88.7	88.3	25.8	21.8	3.4	0.6	10.4	0.4	0.3	0.8	0.9	1.8	6.2	
MT	99.7	99.7	45.0	45.0			3.2						3.2	
NL	95.7	95.1	32.7	24.4	6.5	1.8	18.7	2.9	0.1	10.2	0.6	2.4	2.7	
AT	79.0	78.8	13.8	9.0	4.3	0.5	16.5	2.9	0.4	2.2	2.8	1.2	6.9	
PL	93.0	91.7	45.6	43.0	1.5	1.0	9.5	1.2	0.4	2.1	0.4	1.4	4.0	
PT	90.1	87.7	23.6	18.8	4.8		17.2	0.2		2.8	2.8	1.7	9.6	
RO	85.4	84.3	24.6	20.5	2.5	1.6	19.8	1.2	0.5	4.9	0.3	1.3	11.8	
SI	93.5	92.5	34.8	34.8		0.0	13.1	1.5	0.9	0.6	2.1	0.7	7.2	
SK	76.3	76.2	20.5	12.6	4.8	3.1	18.9	7.0	0.3	1.5	1.3	1.1	7.7	
FI	89.2	89.0	33.4	28.6	4.0	0.7	15.8	2.1	0.3	1.8	5.5	0.3	5.7	
SE	85.1	83.9	19.4	13.8	4.6	1.0	15.8	3.2	0.3	1.0	1.6	0.7	8.9	
IS	52.8	47.9	0.0	0.0			1.2	0.0	0.2			0.4	0.6	
NO	80.3	76.7	33.9	3.3	2.1	28.5	6.8	0.1	0.5	0.4	0.2	0.8	4.9	
CH	93.9	93.9	8.9	8.0	0.9		12.2	0.7	0.3	1.7	0.3	1.9	7.3	
MK														
TR	85.6	85.5	33.9	31.2	2.2	0.5	14.3	1.3	0.2	1.6	0.3	1.4	9.5	
UK	93.3	92.3	22.1	14.6	3.3	4.2	11.5	0.3	0.2	1.5	0.4	1.2	8.0	

NB: (\*) Excluding LULUCF (land use, land-use change and forestry) emissions and international maritime, including international aviation and indirect CO<sub>2</sub>.

## CO<sub>2</sub> emissions (\*) 2020 BY SECTOR (SHARES %)

3.2.11

TRANSPORT (**)	OTHER SECTORS				OTHER (NOT ELSE-SPECIFIED)	FUGITIVE EMISSIONS FROM FUELS	INDUSTRIAL PROCESSES & PRODUCT USE				INDIRECT CO <sub>2</sub>	TOTAL EMISSIONS	
	Commercial / institutional	Residential	Agriculture / forestry / fisheries				Agriculture	Waste	Other				
28.6	18.2	4.3	11.2	2.7	0.2	0.7	8.1	0.4	0.1		0.1	100	EU-27
26.6	23.4	5.5	15.4	2.6	0.1	0.1	15.4	0.2	0.3			100	BE
25.8	3.7	0.8	1.8	1.1	0.0	1.8	9.3	0.1	0.0			100	BG
19.3	12.1	2.9	7.9	1.3	0.3	0.1	11.6	0.4	0.1		0.6	100	CZ
43.6	12.0	2.4	5.2	4.3	0.8	0.4	5.2	0.9	0.1		0.8	100	DK
24.3	18.9	4.2	13.7	0.9	0.1	0.3	6.4	0.4				100	DE
24.2	7.4	2.7	1.7	3.0		0.0	1.1	0.2	0.0			100	EE
31.2	25.8	5.0	19.1	1.6		0.0	5.7	1.4	0.1			100	IE
28.8	11.0	1.0	8.8	1.2	0.5	0.0	8.9	0.1	0.0			100	EL
36.3	16.4	4.1	7.0	5.3	0.2	1.6	7.8	0.3				100	ES
39.1	23.2	6.7	13.0	3.5	0.5	0.7	9.0	0.6	0.5			100	FR
34.6	16.0	3.4	8.7	4.0		1.7	11.7	0.6				100	HR
28.8	24.4	7.7	14.4	2.3	0.2	0.7	4.5	0.2	0.0			100	IT
29.3	6.6	1.1	4.3	1.2	0.3		11.9	0.0			0.1	100	CY
45.2	18.1	5.6	5.8	6.7	0.2	0.0	8.4	1.0	0.0		0.2	100	LV
45.1	8.6	1.9	5.1	1.6	0.2	1.3	17.5	0.2	0.0			100	LT
64.3	16.5	5.7	10.6	0.2	0.0	0.0	5.7	0.2				100	LU
26.8	25.3	5.8	16.0	3.4	0.1	0.3	10.8	0.5	0.1			100	HU
42.5	8.8	5.3	2.3	1.2	0.2		0.2		0.0			100	MT
22.5	20.9	4.4	10.4	6.1	0.1	0.6	4.0	0.1			0.3	100	NL
34.8	13.7	2.1	10.2	1.4	0.1	0.2	20.8	0.2	0.0			100	AT
20.9	15.7	1.9	10.2	3.5		1.4	6.3	0.5	0.2			100	PL
37.3	9.5	2.2	4.4	3.0	0.2	2.3	9.4	0.1	0.1		0.3	100	PT
24.6	14.5	2.8	9.7	2.0	0.9	1.1	14.4	0.2	0.0			100	RO
35.3	9.3	2.6	5.0	1.6	0.0	1.0	6.1	0.2	0.2			100	SI
22.6	14.0	3.7	9.3	1.1	0.2	0.0	23.4	0.2	0.0		0.1	100	SK
29.1	8.3	2.8	2.4	3.2	2.4	0.2	10.1	0.5			0.2	100	FI
43.0	5.8	1.6	1.2	3.0		1.2	14.3	0.3	0.3			100	SE
31.7	15.0	0.1	0.1	14.7	0.0	4.9	46.9	0.2	0.2			100	IS
29.3	6.3	2.3	0.9	3.2	0.2	3.6	19.0	0.3	0.4			100	NO
42.5	29.8	8.9	19.4	1.6	0.3	0.1	5.6	0.1	0.0	0.0	0.3	100	CH
													MK
20.2	17.2	3.2	11.5	2.4		0.0	14.0	0.4	0.0			100	TR
32.5	25.8	5.4	19.0	1.4	0.4	1.0	6.3	0.3	0.1			100	UK

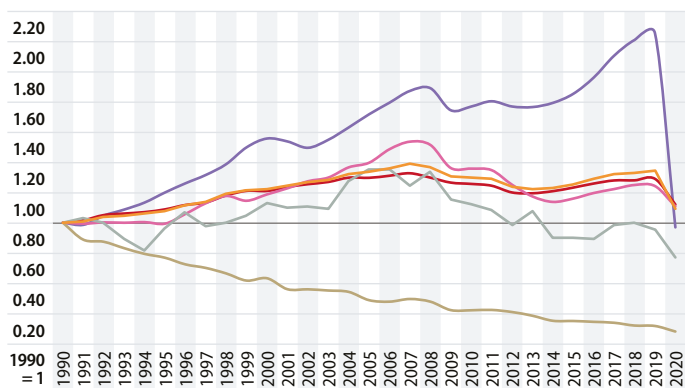
**NB:** (\*) Excluding LULUCF (land use, land-use change and forestry) emissions and international maritime, including international aviation and indirect CO<sub>2</sub>.  
(\*\*) Excluding international maritime (international traffic departing from the EU), including international aviation.

## 3.2.12 CO<sub>2</sub> emissions from transport EU-27 – BY MODE (MILLION TONNES)

### INCLUDING INTERNATIONAL BUNKERS

	TOTAL CIVIL AVIATION	Civil aviation (domestic) (*)	International bunkers – Aviation	ROAD TRANSPORTATION	RAILWAYS (***)	TOTAL NAVIGATION	Navigation (domestic) (*)	International bunkers – Maritime transport	OTHER TRANSPORTATION (****)	TOTAL TRANSPORT	TOTAL EMISSIONS (**)
1990	65.4	11.9	53.5	609.2	12.2	122.8	21.4	101.4	6.0	815.6	4 029.7
1995	78.3	13.0	65.3	662.2	9.4	121.8	20.1	101.7	5.7	877.5	3 813.9
2000	101.5	17.3	84.2	735.5	7.7	145.6	18.5	127.1	6.8	997.0	3 824.6
2005	111.9	16.8	95.1	787.7	6.0	171.3	19.2	152.1	8.1	1 085.0	3 995.1
2010	115.2	15.7	99.5	763.4	5.2	166.5	17.9	148.7	6.7	1 057.1	3 693.3
2011	117.5	15.3	102.2	756.3	5.2	165.3	16.1	149.2	6.5	1 050.7	3 596.7
2012	115.3	14.4	100.9	729.4	5.0	153.5	15.3	138.2	5.9	1 009.1	3 511.4
2013	115.0	13.3	101.7	726.2	4.7	143.9	13.9	130.1	6.4	996.4	3 420.8
2014	116.8	13.0	103.8	734.6	4.3	139.5	13.1	126.4	5.4	1 000.6	3 282.2
2015	120.7	13.0	107.7	748.8	4.3	142.2	13.9	128.3	5.4	1 021.4	3 340.7
2016	127.7	13.5	114.2	764.9	4.2	146.7	14.5	132.2	5.4	1 048.9	3 358.1
2017	137.1	14.1	123.0	777.2	4.2	149.9	15.4	134.5	5.9	1 074.2	3 392.6
2018	143.8	14.7	129.1	777.6	3.9	153.2	16.1	137.1	6.0	1 084.7	3 327.2
2019	146.8	15.0	131.8	783.6	3.9	152.4	16.5	135.9	5.7	1 092.3	3 186.1
2020	63.3	7.9	55.4	681.6	3.5	135.9	14.9	121.0	4.6	888.8	2 809.0

Total civil aviation · Road transportation · Railways (\*\*\*) · Total navigation · Other · Total transport



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

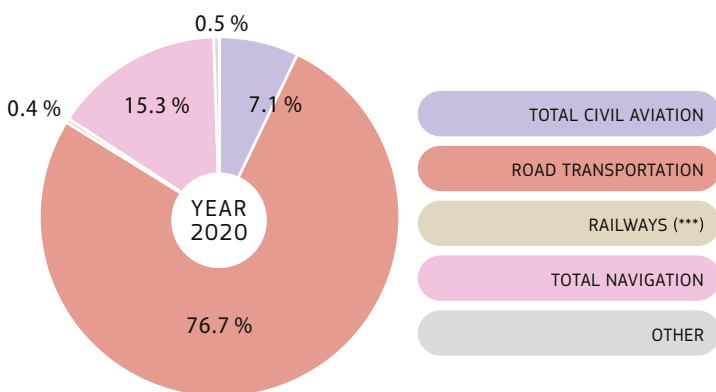


## CO<sub>2</sub> emissions from transport 3.2.12

### EU-27 – BY MODE (SHARES %)

#### INCLUDING INTERNATIONAL BUNKERS

	TOTAL CIVIL AVIATION	Civil aviation (domestic) (*)	International bunkers – Aviation	ROAD TRANSPORTATION	RAILWAYS (***)	TOTAL NAVIGATION	Navigation (domestic) (*)	International bunkers – Maritime transport	OTHER TRANSPORTATION (****)	TOTAL TRANSPORT (*****)	TOTAL EMISSIONS (**)
1990	8.0	1.5	6.6	74.7	1.5	15.1	2.6	12.4	0.7	20.2	100
1995	8.9	1.5	7.4	75.5	1.1	13.9	2.3	11.6	0.7	23.0	100
2000	10.2	1.7	8.4	73.8	0.8	14.6	1.9	12.7	0.7	26.1	100
2005	10.3	1.6	8.8	72.6	0.6	15.8	1.8	14.0	0.7	27.2	100
2010	10.9	1.5	9.4	72.2	0.5	15.8	1.7	14.1	0.6	28.6	100
2011	11.2	1.5	9.7	72.0	0.5	15.7	1.5	14.2	0.6	29.2	100
2012	11.4	1.4	10.0	72.3	0.5	15.2	1.5	13.7	0.6	28.7	100
2013	11.5	1.3	10.2	72.9	0.5	14.4	1.4	13.1	0.6	29.1	100
2014	11.7	1.3	10.4	73.4	0.4	13.9	1.3	12.6	0.5	30.5	100
2015	11.8	1.3	10.5	73.3	0.4	13.9	1.4	12.6	0.5	30.6	100
2016	12.2	1.3	10.9	72.9	0.4	14.0	1.4	12.6	0.5	31.2	100
2017	12.8	1.3	11.4	72.3	0.4	14.0	1.4	12.5	0.5	31.7	100
2018	13.3	1.4	11.9	71.7	0.4	14.1	1.5	12.6	0.6	32.6	100
2019	13.4	1.4	12.1	71.7	0.4	13.9	1.5	12.4	0.5	34.3	100
2020	7.1	0.9	6.2	76.7	0.4	15.3	1.7	13.6	0.5	31.6	100



- NB:** (\*) Excluding international bunkers (international traffic departing from the EU).  
 (\*\*) Including international bunkers and indirect CO<sub>2</sub> but excluding LULUCF (land use, land-use change and forestry).  
 (\*\*\*) 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 CO<sub>2</sub> emissions from transport 2020 – BY MODE (MILLION TONNES)

#### INCLUDING INTERNATIONAL BUNKERS

	TOTAL CIVIL AVIATION	Civil aviation (domestic) (*)	International bunkers – Aviation	ROAD TRANSPORTATION	RAILWAYS	TOTAL NAVIGATION	Navigation (domestic) (*)	International bunkers – Maritime transport	OTHER TRANSPORTATION	TOTAL TRANSPORT	TOTAL EMISSIONS (**)
EU-27	63.3	7.9	55.4	681.6	3.5	135.9	14.9	121.0	4.6	888.8	2809.0
BE	3.6	0.0	3.6	20.5	0.1	20.8	0.4	20.5	0.4	45.5	114.4
BG	0.4	0.0	0.4	9.1	0.0	0.3	0.0	0.3	0.1	9.9	37.6
CZ	0.4	0.0	0.3	17.2	0.2	0.0	0.0		0.1	17.9	92.8
DK	1.1	0.1	1.0	11.1	0.2	2.1	0.5	1.6		14.5	31.1
DE	14.7	1.0	13.6	141.3	0.8	5.0	1.4	3.6	0.8	162.5	656.6
EE	0.1	0.0	0.1	2.2	0.0	0.9	0.0	0.9		3.2	10.3
IE	1.2	0.0	1.2	9.6	0.1	0.8	0.3	0.5	0.1	11.8	36.8
EL	1.5	0.2	1.3	13.2	0.0	7.1	1.7	5.4		21.8	62.4
ES	7.9	1.5	6.4	69.1	0.2	22.7	2.5	20.2	0.1	100.0	240.0
FR	11.1	3.1	8.0	103.2	0.3	4.4	1.3	3.1	0.3	119.4	300.6
HR	0.2	0.0	0.2	5.5	0.0	0.2	0.1	0.1		6.0	17.1
IT	5.0	1.2	3.8	77.8	0.1	10.2	4.6	5.6	0.7	93.8	311.6
CY	0.3	0.0	0.3	1.9		0.9	0.0	0.9		3.1	8.5
LV	0.2	0.0	0.2	3.0	0.1	0.7	0.0	0.6		3.9	7.8
LT	0.2	0.0	0.2	5.9	0.2	0.6	0.0	0.6	0.0	6.8	14.4
LU	1.6	0.0	1.6	4.6	0.0	0.0	0.0	0.0		6.3	9.7
HU	0.3	0.0	0.3	12.2	0.1	0.0	0.0		0.1	12.7	47.6
MT	0.2	0.0	0.2	0.5		7.1	0.0	7.0		7.8	8.8
NL	6.7	0.0	6.6	25.2	0.1	38.0	0.7	37.3	0.1	70.0	182.2
AT	1.1	0.0	1.0	20.3	0.1	0.1	0.0	0.0	0.5	22.0	63.1
PL	1.4	0.1	1.3	61.4	0.3	1.0	0.0	0.9	0.8	64.8	305.8
PT	1.8	0.3	1.6	14.2	0.0	2.4	0.2	2.2		18.4	45.7
RO	0.3	0.1	0.1	17.5	0.4	0.3	0.1	0.1	0.0	18.4	74.4
SI	0.0	0.0	0.0	4.5	0.0	0.4	0.0	0.4	0.0	4.9	13.2
SK	0.1	0.0	0.1	6.7	0.1	0.0	0.0	0.0	0.2	7.1	31.2
FI	1.0	0.1	0.9	9.8	0.1	1.3	0.4	1.0		12.2	39.5
SE	1.1	0.2	0.9	13.9	0.0	8.8	0.6	8.2	0.4	24.3	45.6
IS	0.3	0.0	0.3	0.8		0.1	0.0	0.1	0.0	1.2	3.7
NO	1.2	0.7	0.5	8.2	0.0	3.7	2.7	1.0		13.2	42.7
CH	2.1	0.1	2.1	13.2	0.0	0.1	0.1	0.0	0.0	15.5	36.4
MK											
TR	8.0	2.1	5.8	75.0	0.3	3.0	1.3	1.7	0.3	86.6	421.0
UK	14.9	0.6	14.3	88.4	1.4	13.2	4.7	8.5	0.6	118.5	347.1

NB: (\*) Excluding international bunkers (international traffic departing from the EU).

(\*\*) Including international bunkers and indirect CO<sub>2</sub> but excluding LULUCF (land use, land-use change and forestry).

# CO<sub>2</sub> emissions from transport 3.2.13

## 2020 – BY MODE (SHARES %)

### INCLUDING INTERNATIONAL BUNKERS

	TOTAL CIVIL AVIATION			ROAD TRANSPORTATION	RAILWAYS	TOTAL NAVIGATION			OTHER TRANSPORTATION	TOTAL TRANSPORT (***)	TOTAL EMISSIONS (**)
	Civil aviation (domestic) (*)	International bunkers – Aviation				Navigation (domestic) (*)	International bunkers – Maritime transport				
EU-27	7.1	0.9	6.2	76.7	0.4	15.3	1.7	13.6	0.5	31.6	100
BE	7.9	0.0	7.9	45.2	0.2	45.8	0.8	45.0	0.9	39.7	100
BG	4.3	0.1	4.2	91.8	0.3	2.7	0.0	2.6	0.8	26.4	100
CZ	2.0	0.1	1.9	96.1	1.3	0.1	0.1		0.5	19.3	100
DK	7.3	0.5	6.7	76.8	1.4	14.5	3.3	11.2		46.6	100
DE	9.0	0.6	8.4	87.0	0.5	3.1	0.9	2.2	0.5	24.7	100
EE	2.4	0.1	2.3	67.7	1.0	29.0	0.6	28.3		30.8	100
IE	10.1	0.1	10.0	81.1	0.8	6.7	2.7	4.0	1.2	32.1	100
EL	7.0	1.0	6.1	60.4	0.1	32.5	7.6	24.8		35.0	100
ES	7.9	1.5	6.4	69.1	0.2	22.7	2.5	20.2	0.1	41.7	100
FR	9.3	2.6	6.7	86.5	0.3	3.7	1.1	2.6	0.3	39.7	100
HR	3.0	0.3	2.7	93.1	0.7	3.2	2.1	1.1		34.9	100
IT	5.3	1.3	4.0	83.0	0.1	10.9	4.9	5.9	0.7	30.1	100
CY	10.5	0.0	10.5	61.2		28.2	0.0	28.2		36.6	100
LV	4.6	0.0	4.6	76.5	2.1	16.8	0.2	16.6		49.7	100
LT	2.4	0.0	2.4	86.0	2.4	8.7	0.2	8.5	0.5	47.3	100
LU	26.2	0.0	26.2	73.7	0.1	0.0	0.0	0.0		64.3	100
HU	2.5	0.0	2.4	95.7	0.8	0.1	0.1		1.0	26.8	100
MT	2.5	0.0	2.5	6.8		90.7	0.5	90.2		88.3	100
NL	9.5	0.0	9.5	36.0	0.1	54.3	1.0	53.3	0.1	38.4	100
AT	4.9	0.1	4.7	92.3	0.4	0.3	0.1	0.2	2.2	34.9	100
PL	2.2	0.1	2.1	94.7	0.4	1.5	0.0	1.5	1.2	21.2	100
PT	9.9	1.4	8.5	77.0	0.1	13.0	1.1	11.9		40.3	100
RO	1.4	0.6	0.8	95.1	2.0	1.5	0.7	0.8	0.0	24.7	100
SI	0.6	0.0	0.5	91.9	0.3	7.2	0.0	7.2	0.0	37.0	100
SK	0.8	0.0	0.8	95.5	1.0	0.3	0.1	0.2	2.4	22.6	100
FI	7.8	0.7	7.1	80.7	0.5	10.9	2.9	8.0		30.9	100
SE	4.6	0.8	3.8	57.5	0.2	36.3	2.6	33.7	1.5	53.2	100
IS	22.6	1.1	21.5	67.2		8.4	2.1	6.4	1.8	33.1	100
NO	9.4	5.4	4.0	62.4	0.2	28.0	20.7	7.3		30.9	100
CH	13.7	0.5	13.2	85.1	0.2	0.8	0.7	0.1	0.2	42.6	100
MK											
TR	9.2	2.5	6.7	86.6	0.3	3.4	1.4	2.0	0.4	20.6	100
UK	12.6	0.5	12.1	74.6	1.2	11.2	4.0	7.2	0.5	34.2	100

NB: (\*) Excluding international bunkers (international traffic departing from the EU).  
 (\*\*) Including international bunkers and indirect CO<sub>2</sub> but excluding LULUCF (land use, land-use change and forestry).  
 (\*\*\*) Total transport share in total emissions.

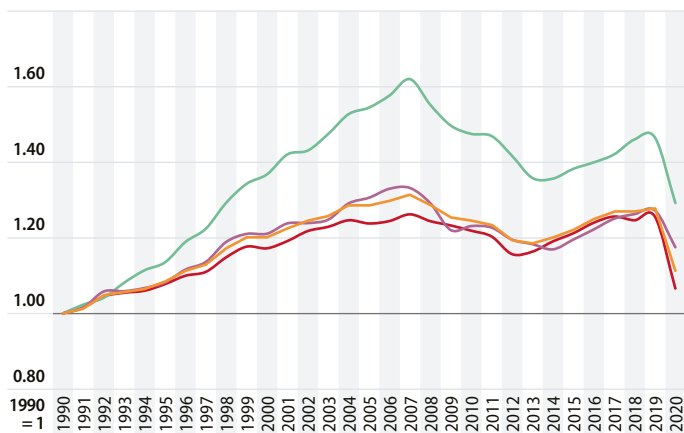
3.2.14

## CO<sub>2</sub> emissions from road transport – EU-27

### BY TRANSPORT MEAN (MILLION TONNES)

	ROAD TRANSPORTATION						TOTAL TRANSPORT (*)	TOTAL EMISSIONS (**)
	Cars	Light-duty trucks	Heavy-duty trucks and buses	Motorcycles	Other road transportation			
1990	609.2	380.0	57.8	163.0	8.0	0.4	815.6	4 029.7
1995	662.2	410.1	65.8	176.7	9.4	0.2	877.5	3 813.9
2000	735.5	447.1	79.6	198.3	10.4	0.1	997.0	3 824.6
2005	787.7	472.7	90.1	214.2	10.6	0.2	1 085.0	3 995.1
2010	763.4	465.2	86.0	201.6	10.5	0.1	1 057.1	3 693.3
2011	756.3	459.2	85.6	201.0	10.3	0.1	1 050.7	3 596.7
2012	729.4	441.0	82.5	195.7	10.1	0.1	1 009.1	3 511.4
2013	726.2	443.6	79.0	193.7	9.8	0.1	996.4	3 420.8
2014	734.6	454.2	78.9	191.3	10.1	0.1	1 000.6	3 282.2
2015	748.8	462.5	80.5	195.7	10.1	0.1	1 021.4	3 340.7
2016	764.9	473.4	81.5	200.1	9.8	0.1	1 048.9	3 358.1
2017	777.2	479.8	82.7	204.9	9.7	0.1	1 074.2	3 392.6
2018	777.6	476.0	85.1	206.9	9.5	0.1	1 084.7	3 327.2
2019	783.6	479.6	85.4	208.5	10.0	0.1	1 092.3	3 186.1
2020	681.6	405.6	75.1	192.3	8.5	0.1	888.8	2 809.0

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



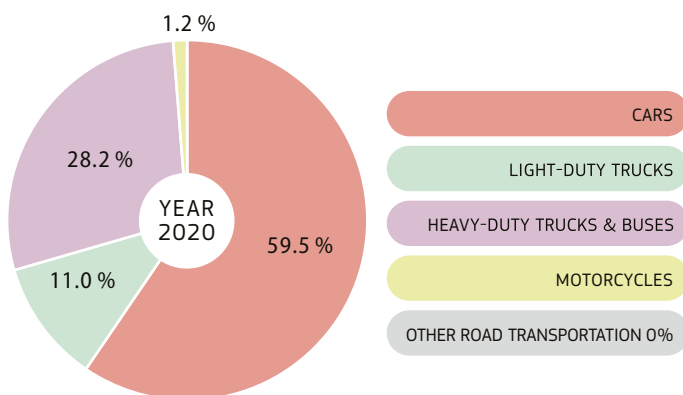
**NB:** (\*) Including international bunkers (international traffic departing from the EU).  
 (\*\*) Including international bunkers and indirect CO<sub>2</sub> but excluding LULUCF (land use, land-use change and forestry).

## CO<sub>2</sub> emissions from road transport – EU-27

3.2.14

BY TRANSPORT MEAN (SHARES %)

	ROAD TRANSPORTATION						TOTAL TRANSPORT (***)	TOTAL EMISSIONS (**)
	Cars	Light-duty trucks	Heavy-duty trucks and buses	Motorcycles	Other road transportation			
1990	74.7	46.6	7.1	20.0	1.0	0.0	20.2	100
1995	75.5	46.7	7.5	20.1	1.1	0.0	23.0	100
2000	73.8	44.8	8.0	19.9	1.0	0.0	26.1	100
2005	72.6	43.6	8.3	19.7	1.0	0.0	27.2	100
2010	72.2	44.0	8.1	19.1	1.0	0.0	28.6	100
2011	72.0	43.7	8.1	19.1	1.0	0.0	29.2	100
2012	72.3	43.7	8.2	19.4	1.0	0.0	28.7	100
2013	72.9	44.5	7.9	19.4	1.0	0.0	29.1	100
2014	73.4	45.4	7.9	19.1	1.0	0.0	30.5	100
2015	73.3	45.3	7.9	19.2	1.0	0.0	30.6	100
2016	72.9	45.1	7.8	19.1	0.9	0.0	31.2	100
2017	72.3	44.7	7.7	19.1	0.9	0.0	31.7	100
2018	71.7	43.9	7.8	19.1	0.9	0.0	32.6	100
2019	71.7	43.9	7.8	19.1	0.9	0.0	34.3	100
2020	76.7	45.6	8.5	21.6	1.0	0.0	31.6	100



**NB:** (\*\*) Including international bunkers and indirect CO<sub>2</sub> but excluding LULUCF (land use, land-use change and forestry).

(\*\*\*) 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
2021		5	1	10 000
2020		4	0	1 000
2019		2	1	1 000
2018		4	3	116 000
2017		4	2	7 000
2016		4	1	6 000
2015		6	2	7 000
2010		5	4	12 000
2005		22	3	15 000
2000		21	4	14 000
1990-1999	average	28.1	7.7	113 400
1980-1989	per	36.0	9.4	117 500
1970-1979	year	54.3	24.5	319 500

## 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
Sanchi	2018	Off Shanghai	113 000
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

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