

**NATIONAL
ROAD
TRANSPORT
EMISSION
INVENTORY
2017-2018**



NATIONAL ROAD TRANSPORT EMISSION INVENTORY

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List of abbreviations

BoM Bureau of Meteorology

CNG Compressed natural gas

COPERT Computer Programme to calculate Emissions from Road Transport

E10 Petrol-ethanol fuel blend (10 vol% ethanol)

GHG Greenhouse gas

LCV Light commercial vehicle

LPG Liquefied Petroleum Gas

HDV Heavy duty vehicle (rigid)

MVEI Motor Vehicle Emission Inventory

MoEPP Ministry of Environment and Physical Planning

PM Particulate matter

VOC Volatile organic compound

VKT Vehicle Kilometres Travelled

1. Introduction: background and methodological approach

1.1 Background

According to the obligations towards the UNFCCC and EEA, the country has to report on the national GHG emissions and air emissions.

The country is regularly developing national GHG inventories in the framework of the Biennial Update Report and the National Communications to UNFCCC. According to the Third Biennial Update Report¹, the sector Road transport is one of the key sources of GHG emissions, and is responsible for 28% of the national GHG emissions in 2016.

When it comes to the air emissions, the Annual National Report on the Quality of the Environment² identified the following key emission sources of air pollutants: energy industries, road transport sector, residential sector, construction activities, waste and manufacturing industries. Furthermore, the Road transport sector is a significant contributor of NO_x and CO emissions in the country.

The road transport of R. Macedonia is among the top three national contributors to the national GHG emissions, being responsible for 17% of the annual net emissions in 2016, or 2057 kt CO₂-eq. In the same time, the category road transportation is identified as a sector with the fastest growing emission trend in the period 1990 – 2016. Since the emissions of this category are significant according to the level and the trend assessment, the National Inventory Report of the Third National Communication and the First and Second Biennial Update Report of Macedonia have provided recommendations for estimation of the emissions of this category by higher tier methodology or the COPERT model. The same recommendation have been received from the Team of Technical Experts working on the International Consultation and Assessment processes of the GHG inventory submission of Macedonia under the UNFCCC.

Within the Second BUR a COPERT database for the period 2014-2016 has been developed based on the vehicles data sets obtained from the Ministry of Interior, which enabled use of Tier 3 methodology for reporting of the emissions of the road transport sector for both greenhouse gas and air quality inventories in the country. The use of the COPERT tool enabled transparent and standardized manner of data collection and emissions reporting, in accordance with the requirements of international conventions and protocols, as well as with the EU legislation.

The main task of this assignment was collection and assessment of the relevant country specific data for the road transport sector and creation of full-fledged dataset of input data necessary for performing of Computer Programme to calculate Emissions from Road Transport (COPERT V) calculation for the period 2017 - 2018. The detailed vehicle fleet data / database for R. Macedonia for the period 2017 – 2018 and the calculated emissions will be used for update of the national GHG inventory and reporting towards the EEA. The work under this assignment is the first national effort for development of Tier 3 national inventory of the road transport emissions of R. Macedonia. This report also elaborates the national circumstances of the country, the vehicle fleet, the fuel consumptions, the relevant factors for the emission inventory and the resulting emissions of the national road transport sector.

This report is part of the assignment for the update the COPERT database and the GHG inventory database for the road transport sector for the period 2017 – 2018 in the framework

¹ The GHG inventory of the Third Biennial Update Report is available on the following link: <http://www.klimatskipromeni.mk>

² http://air.moepp.gov.mk/wp-content/uploads/2017/07/AirQualityReport_MK.pdf

of the project “Macedonia’s Fourth National Communication and Third Biennial Update Report on Climate Change under the UNFCCC”.

This objective of this report is to provide overview of the methodological approach and the process for estimation of the emissions of the road transport, as well as to analyse the results and to provide recommendation for addressing of the data gaps and creation of enabling environment for continuous monitoring of the emissions from the sector road transport.

Table 1.1 Average age and environmental standard of the national vehicle fleet in 2018, by vehicle category and fuel type

Vehicle type	Fuel	Average vehicle age for the specific class	Average environmental standard
Passenger Cars	Petrol	1999	Euro 2
Passenger Cars	Diesel	2002	Euro 3
Passenger Cars	LPG	1996	Euro 2
Freight vehicles	Petrol	2002	Euro 3
Freight vehicles	Diesel	2004	Euro 3
Heavy duty trucks	Diesel	1999	Euro II
Heavy duty road tractors	Diesel	2007	Euro IV
Busses	Diesel	2001	Euro III
Busses	CNG	1999	Euro II
Motorcycles	Petrol 2-stroke	2005	Euro 2
Motorcycles	Petrol 4-stroke	2008	Euro 3

1.2. Overview of the methodological approach

1.2.1. Basic information about the COPERT tool

COPERT is a software tool used world-wide to calculate air pollutant and greenhouse gas emissions from road transport. The development of COPERT is coordinated by the European Environment Agency (EEA), in the framework of the activities of the European Topic Centre for Air Pollution and Climate Change Mitigation. The European Commission's Joint Research Centre manages the scientific development of the model. COPERT has been developed for official road transport emission inventory preparation in EEA member countries.

The COPERT methodology is part of the EMEP/EEA air pollutant emission inventory guidebook for the calculation of air pollutant emissions and is consistent with the 2006 IPCC Guidelines for the calculation of greenhouse gas emissions. The use of a software tool to calculate road transport emissions allows for a transparent and standardized, hence consistent and comparable data collecting and emissions reporting procedure, in accordance with the requirements of international conventions and protocols and EU legislation.

COPERT 5 is the latest version and is used world-wide to calculate air pollutant and greenhouse gas emissions from road transport.

The COPERT tool is not estimating the emissions of the military vehicles, agricultural machinery and tractors, as well as the emissions from the special vehicles and heavy duty construction equipment (specialised trucks, utility vehicles, fork lifters, asphalt pavers, loaders, cold planners, compactors, dozers, excavators’ drills etc.). The reasoning behind this is that the fuel consumptions of those specialised vehicles are reported under the respective sectors and the emissions are not accounted under the general road transport emissions.

1.2.2. Input data overview

COPERT requires the following input data:

- Hourly meteorological data:
 - ✓ ambient temperature
 - ✓ relative humidity
- Total fuel use (tonnes/year) by type of fuel (Diesel, LPG, CNG, biodiesel, bioethanol)
- Fuel parameters:
 - ✓ monthly average Reid Vapour Pressure (RVP)
 - ✓ sulphur content (mass %) by type of fuel
 - ✓ lead content (grams/litre) by type of fuel
 - ✓ hydrogen to carbon and oxygen to carbon ratios by type of fuel
 - ✓ heavy metal content (ppm-mass) by type of fuel
 - ✓ petrol fuel parameters as vol% (E100, E150, aromatics, olefins, benzene)
 - ✓ diesel fuel parameters (vol% PAHs, CN, density in kg/m³, T95 in °C)

Proportion of travel in urban, rural and highway conditions:

- Average speed (km/h) in urban, rural and highway conditions
- On-road vehicle population, i.e. number of vehicles broken down by 226 vehicle classes
- Mean annual mileage in km/year for 226 vehicle classes
- Mean accumulated mileage in km for 226 vehicle classes
- Fuel tank size in litres for 132 vehicle classes (petrol/E10 vehicles)
- Carbon canister size in litres 132 vehicle classes (petrol/E10 vehicles)
- Proportion of fuel-injected vehicles for 132 vehicle classes (petrol/E10 vehicles)
- Proportion vehicles with evaporative emissions control for 132 vehicle classes (petrol/E10 vehicles)
- Proportion of evaporative emissions in urban, rural and highway conditions

The dataset classify the city vehicle fleet on:

- • Mopeds and Motorcycles (L category).
- • Passenger Cars (M1).
- • Buses (M2, M3).
- • Light Commercial Vehicles (N1).
- • Heavy Duty Trucks (N2, N3).

Two main criteria are used to classify the above vehicle categories: i) vehicle type, ii) fuel used.

- The vehicle types are: 2/4-stroke for mopeds and motorcycles, market segments for passenger cars (small, lower-medium, upper-medium, executive), urban/coaches for buses, and GVW (gross vehicle weight) types for heavy duty trucks (rigid from ≤7.5t to >32t, articulated from 14-20t to 50-60t). The fuels to be considered are: petrol (gasoline), diesel, LPG, CNG and Other.
- Corresponding data are provided as totals per year 2014 - 2016, and with complete age distributions (1-30) for each year in the above mentioned period.

1.2.3. Methodology for classification of the national vehicle fleet

In the framework of the classification of the vehicle fleet during this assignment, the national vehicle fleet was classified in accordance with the EMEP/EEA air pollutant emission inventory guidebook 2019.

It should be mentioned that the latest EMEP/EEA air pollutant inventory guidebook has introduced certain changes in the classification and the EURO categorization of the vehicles. Namely, changes are introduced for the EURO categorization of the light commercial vehicles and the motorcycles from the L-category.

Passenger cars

The general COPERT classification of the passenger cars is segmented as presented in Table 1.2.

Table 1.2 Classification of the passenger vehicles by fuel and vehicle segment

COPERT 5		
Category	Fuel Label	Segment
Passenger Cars	Petrol	Mini
Passenger Cars	Petrol	Small
Passenger Cars	Petrol	Small
Passenger Cars	Petrol	Medium
Passenger Cars	Petrol	Medium
Passenger Cars	Petrol	Large-SUV-Executive
Passenger Cars	Petrol	Large-SUV-Executive
Passenger Cars	Diesel	Mini
Passenger Cars	Diesel	Small
Passenger Cars	Diesel	Large-SUV-Executive
Passenger Cars	Petrol Hybrid	Mini
Passenger Cars	Petrol Hybrid	Small
Passenger Cars	Petrol Hybrid	Large-SUV-Executive
Passenger Cars	LPG Bifuel	Small
Passenger Cars	CNG Bifuel	Small

The environmental classification and the subsequent Euro standardization of the petrol and the diesel passenger cars are presented in Table 1.3 and Table 1.4.

Table 1.3 Environmental classification of the passenger petrol cars

Passenger petrol vehicles	From	To
pre ECE		up to 1971
ECE-15.00 and ECE 15.01	1972	1977
ECE-15.02	1978	1980
ECE-15.03	1981	1985
ECE-15.04	1985	1991
Euro 1	1992	1995
Euro 2	1996	1999
Euro 3	2000	2004
Euro 4	2005	2009
Euro 5	2010	2014
Euro 6	2015	

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Table 1.4 Environmental classification of the passenger diesel cars

Passenger diesel vehicles	From	To
Conventional		up to 1991
Euro 1	1992	1995
Euro 2	1996	1999
Euro 3	2000	2004
Euro 4	2005	2009
Euro 5	2010	2014
Euro 6	2015	

Commercial vehicles

The general COPERT classification of the light commercial vehicles is segmented as presented in *Table 1.5*.

Table 1.5 Classification of the commercial vehicles by fuel and vehicle segment

Light Commercial Vehicles	Petrol N1-I Petrol N1-II Petrol N1-III
	Diesel N1-I Diesel N1-II Diesel N1-III

- N1-I: RW (reference weight) up to 1305kg
- N1-II: 1306kg - 1760kg
- N1-III: 1760kg - 3500kg

The environmental classification and the subsequent Euro standardization of the petrol and the diesel light commercial vehicles up to 3.5t are presented in *Table 1.6*.

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Table 1.6 Environmental classification of the commercial vehicles

Light Commercial Vehicles	All Petrol	Conventional		up to 1993
		Euro 1	1993	1997
		Euro 2	1997	2001
		Euro 3	2001	2006
		Euro 4	2006	2010
		Euro 5	2011	2015
		Euro 6 up to 2017	2016	2017
		Euro 6 2018-2020	2018	2020
	Euro 6 2021+	2021 and on		
	All Diesel	Conventional		up to 1993
		Euro 1	1993	1997
		Euro 2	1997	2001
		Euro 3	2001	2006
		Euro 4	2006	2011
		Euro 5	2011	2015
		Euro 6 up to 2017	2015	2017
Euro 6 2018-2020		2018	2020	
Euro 6 2021+	2021 and on			

Heavy Duty Trucks

The general COPERT classification of the heavy duty trucks is segmented as presented in *Table 1.7*.

Table 1.7 Classification of the heavy duty trucks by fuel and vehicle segment

COPERT 5		
Category	Fuel Label	Segment
Heavy Duty Trucks	Petrol	>3,5 t
Heavy Duty Trucks	Diesel	Rigid <=7,5 t
Heavy Duty Trucks	Diesel	Rigid 7,5 - 12 t
Heavy Duty Trucks	Diesel	Rigid 12 - 14 t
Heavy Duty Trucks	Diesel	Rigid 14 - 20 t
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t
Heavy Duty Trucks	Diesel	Rigid 26 - 28 t
Heavy Duty Trucks	Diesel	Rigid 28 - 32 t
Heavy Duty Trucks	Diesel	Rigid >32 t
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t
Heavy Duty Trucks	Diesel	Articulated 28 - 34 t
Heavy Duty Trucks	Diesel	Articulated 34 - 40 t
Heavy Duty Trucks	Diesel	Articulated 40 - 50 t
Heavy Duty Trucks	Diesel	Articulated 50 - 60 t

The environmental classification and the subsequent Euro standardization of the diesel light heavy duty trucks are presented in *Table 1.8*.

Table 1.8 Environmental classification of the diesel heavy duty vehicles

Heavy Duty Trucks	All Diesel	Conventional		
		Euro I	1992	1995
		Euro II	1996	2000
		Euro III	2000	2005
		Euro IV	2005	2008
		Euro V	2008	2013
		Euro VI	2013 and on	

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Busses

The general COPERT classification of the busses is segmented as presented in *Table 1.9*

Table 1.9 Classification of the busses by fuel and vehicle segment

Buses	Diesel	Urban Buses Midi <=15 t
Buses	Diesel	Urban Buses Standard 15 - 18 t
Buses	Diesel	Urban Buses Articulated >18 t
Buses	Diesel	Coaches Standard <=18 t
Buses	Diesel	Coaches Articulated >18 t
Buses	CNG	Urban CNG Buses
Buses	Biodiesel	Urban Biodiesel Buses

The environmental classification and the subsequent Euro standardization of the busses is same as the classification of the Heavy duty trucks, with a difference of the added CNG and biodiesel fuels.

L-category

The general COPERT classification of the 2 wheelers is segmented as presented in *Table 1.10*

Table 1.10 Classification of the L category vehicles by fuel and vehicle segment

COPERT 5		
Category	Fuel Label	Segment
L-Category	Petrol	Mopeds 2-stroke <50 cm ³
L-Category	Petrol	Mopeds 4-stroke <50 cm ³
L-Category	Petrol	Motorcycles 2-stroke >50 cm ³
L-Category	Petrol	Motorcycles 4-stroke <250 cm ³
L-Category	Petrol	Motorcycles 4-stroke 250 - 750 cm ³
L-Category	Petrol	Motorcycles 4-stroke >750 cm ³

Table 1.11 Environmental classification of the mopeds and motorcycles

Vehicle category	Type	Euro Standard	Start Date	End Date	
L-Category	All Mopeds Mini-cars	Conventional		up to 1999	
		Euro 1	1999	2002	
		Euro 2	2002	2006	
		Euro 3	2006	2016	
		Euro 4	2016	2020	
		Euro 5	2020 and on		
	All Motorcycles	Conventional			up to 1999
		Euro 1	1999	2003	
		Euro 2	2003	2006	
		Euro 3	2006	2013	
Euro 4		2016	2020		
	Euro 5	2020 and on			

2. Country specific input data

2.1 Vehicle population data

The national vehicle fleet data used for performing of this assessment was provided by the Ministry of Interior of R. Macedonia. The Ministry is storing all vehicle data in digital and a hard copy registry, which is based in the Sector for Motor Vehicles. The vehicle fleet data are not publically available, but the vehicle data are provided to the MoEPP for the purpose of the emission estimation and monitoring. Processed and aggregated data regarding the national vehicle fleet are also available in the database of the State Statistical Office.

The fact that the official national vehicle database was used for this assessment is providing a high level of confidence and reliability of the input data used, which is a key factor for consistent and comparable emission estimation.

The structure of the national vehicle fleet is presented on *Figure 2.1* and in Table 2.1.

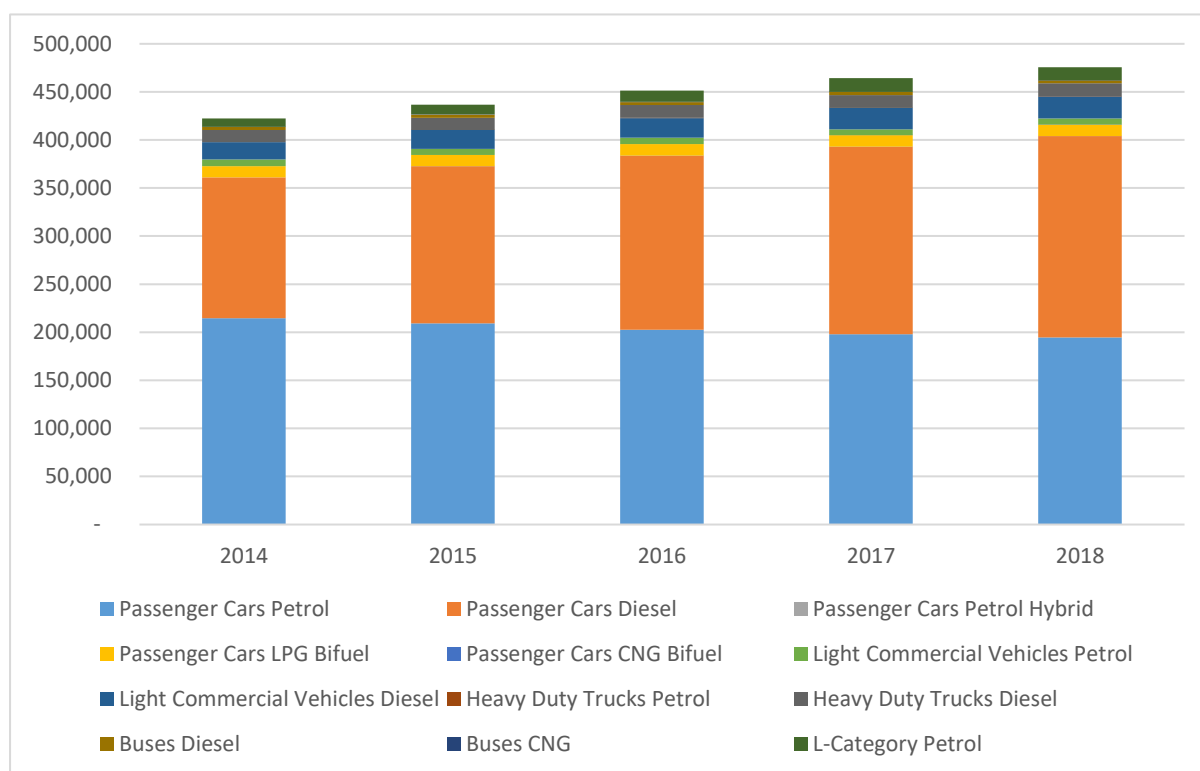


Figure 2.1 Structure of the national vehicle fleet of R. Macedonia

Category	Fuel	2014	2015	2016	2017	2018
Passenger Cars	Petrol	214,636	209,302	202,651	197,806	194,476
Passenger Cars	Diesel	146,288	163,424	181,223	195,108	209,571
Passenger Cars	Petrol Hybrid	-	8	19	19	28
Passenger Cars	LPG Bifuel	11,858	11,713	11,935	12,013	12,072
Passenger Cars	CNG Bifuel	-	-	-	15	27

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Light Commercial Vehicles	Petrol	6,845	6,258	6,380	6,222	6,112
Light Commercial Vehicles	Diesel	18,223	19,576	20,605	22,018	22,973
Heavy Duty Trucks	Petrol	-	194	209	208	207
Heavy Duty Trucks	Diesel	12,545	12,706	13,193	13,347	13,391
Buses	Diesel	3,192	3,238	3,204	3,158	3,181
Buses	CNG	143	132	122	85	40
L-Category	Petrol	8,665	10,077	11,810	14,193	13,395
	Total	422395	436628	451351	464192	475473

Corresponding to the COPERT V fleet classification, all present and future vehicles in the Macedonian fleet are grouped into vehicle classes, sub-classes and layers. The layer classification is a further division of vehicle sub-classes into groups of vehicles with specific fuel consumption and emission behaviour, according to EU emission legislation levels.

Category	Fuel	Euro Standard	2017	2018
Passenger Cars	Petrol	Conventional	21,991	18,574
Passenger Cars	Petrol	Euro 1	21,271	19,297
Passenger Cars	Petrol	Euro 2	53,072	50,005
Passenger Cars	Petrol	Euro 3	40,086	40,116
Passenger Cars	Petrol	Euro 4	46,523	49,035
Passenger Cars	Petrol	Euro 5	10,482	10,654
Passenger Cars	Petrol	Euro 6	4,361	6,777
Passenger Cars	Petrol 2-Stroke	Conventional	20	18
Passenger Cars	Diesel	Conventional	5,952	5,233
Passenger Cars	Diesel	Euro 1	12,774	11,632
Passenger Cars	Diesel	Euro 2	47,193	44,837
Passenger Cars	Diesel	Euro 3	70,836	70,973
Passenger Cars	Diesel	Euro 4	37,012	50,861
Passenger Cars	Diesel	Euro 5	14,014	16,192
Passenger Cars	Diesel	Euro 6	7,327	9,843
Passenger Cars	Petrol Hybrid	Euro 6 up to 2016	19	28
Passenger Cars	LPG Bifuel	Conventional	1,800	1,600
Passenger Cars	LPG Bifuel	Euro 1	2,236	2,091
Passenger Cars	LPG Bifuel	Euro 2	3,737	3,741
Passenger Cars	LPG Bifuel	Euro 3	2,172	2,276
Passenger Cars	LPG Bifuel	Euro 4	1,776	2,015
Passenger Cars	LPG Bifuel	Euro 5	240	270
Passenger Cars	LPG Bifuel	Euro 6	52	79
Passenger Cars	CNG Bifuel	Euro 4	9	23
Passenger Cars	CNG Bifuel	Euro 5	2	4

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Passenger Cars	CNG Bifuel	Euro 6	4	0
Light Commercial Vehicles	Petrol	Conventional	600	510
Light Commercial Vehicles	Petrol	Euro 1	511	449
Light Commercial Vehicles	Petrol	Euro 2	850	768
Light Commercial Vehicles	Petrol	Euro 3	965	947
Light Commercial Vehicles	Petrol	Euro 4	2,163	2,045
Light Commercial Vehicles	Petrol	Euro 5	749	817
Light Commercial Vehicles	Petrol	Euro 6	384	576
Light Commercial Vehicles	Diesel	Conventional	2,092	1,831
Light Commercial Vehicles	Diesel	Euro 1	1,340	1,205
Light Commercial Vehicles	Diesel	Euro 2	2,684	2,488
Light Commercial Vehicles	Diesel	Euro 3	4,458	4,200
Light Commercial Vehicles	Diesel	Euro 4	5,671	6,274
Light Commercial Vehicles	Diesel	Euro 5	3,580	3,965
Light Commercial Vehicles	Diesel	Euro 6	2,193	3,010
Heavy Duty Trucks	Petrol	Conventional	208	207
Heavy Duty Trucks	Diesel	Conventional	2,044	1,866
Heavy Duty Trucks	Diesel	Euro 1	590	563
Heavy Duty Trucks	Diesel	Euro 2	1,528	1,427
Heavy Duty Trucks	Diesel	Euro 3	2,756	2,585
Heavy Duty Trucks	Diesel	Euro 4	2,565	2,578
Heavy Duty Trucks	Diesel	Euro 5	2,514	2,686
Heavy Duty Trucks	Diesel	Euro 6	1,350	1,686
Buses	Diesel	Conventional	221	182
Buses	Diesel	Euro 1	136	127
Buses	Diesel	Euro 2	890	823
Buses	Diesel	Euro 3	946	902
Buses	Diesel	Euro 4	305	354
Buses	Diesel	Euro 5	607	719
Buses	Diesel	Euro 6	53	74
Buses	CNG	Euro I	11	7
Buses	CNG	Euro II	4	5
Buses	CNG	Euro III	21	20
Buses	CNG	EEV	9	8
Buses	CNG	Euro VI	0	0
L-Category	Petrol	Conventional	2,205	1,311
L-Category	Petrol	Euro 1	1,081	598
L-Category	Petrol	Euro 2	2,146	1,901
L-Category	Petrol	Euro 3	6,764	6,390
L-Category	Petrol	Euro 4	1,961	3,133

L-Category	Petrol	Euro 5	36	62
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The assessment of the national vehicle fleet shows that the average age of the vehicle fleet in Macedonia is 20years. The average age is changing in correlation with the vehicle classes, varying from an average age of 21 years for the passenger cars running on LPG, to 14 years of average Euro 4 standard for the Road tractors. This is mainly owned to the international requirements for international freight transport and the national CEMT certificates for environmental compliance with the environmental standards of the Heavy duty road tractors.

2.2 Fuel consumption and mileage data

The fuel consumption and the consecutive energy consumption of the national vehicle fleet was taken from the official Energy statistic of the country / fuel consumption of the subsector road transportation. According to the national energy balance, the road transport sector mainly consumes diesel, petrol, LPG fuel, as well as small quantities of CNG. The national fuel balance is not containing any records for consumption of biodiesel, which should be further assessed and reconsidered by the SSO, due to the EU regulation of biofuels which is implemented in the country and the presence of the biofuels at the petrol stations in R. Macedonia.

What should be underlined is that the 2018 energy balance of R. Macedonia is still preliminary and the fuel consumption of this category for the year 2018 can be slightly modified when the official energy balance of the year is published (in October 2020). However, the past experience shows that there is no significant difference between the preliminary and the final energy balances of R. Macedonia, especially for the subsector Road transportation, since the energy consumption of this sector is based on imported fuel which is constantly monitored and recorded.

The fuel consumption is calculated for each vehicle class by using specific functions, taking into account the vehicle speed, in grams of fuel per activity (Petrol, Diesel, LPG, and CNG). The annual fuel consumption, in TJ as requested by the COPERT model is presented in Figure 2.2.

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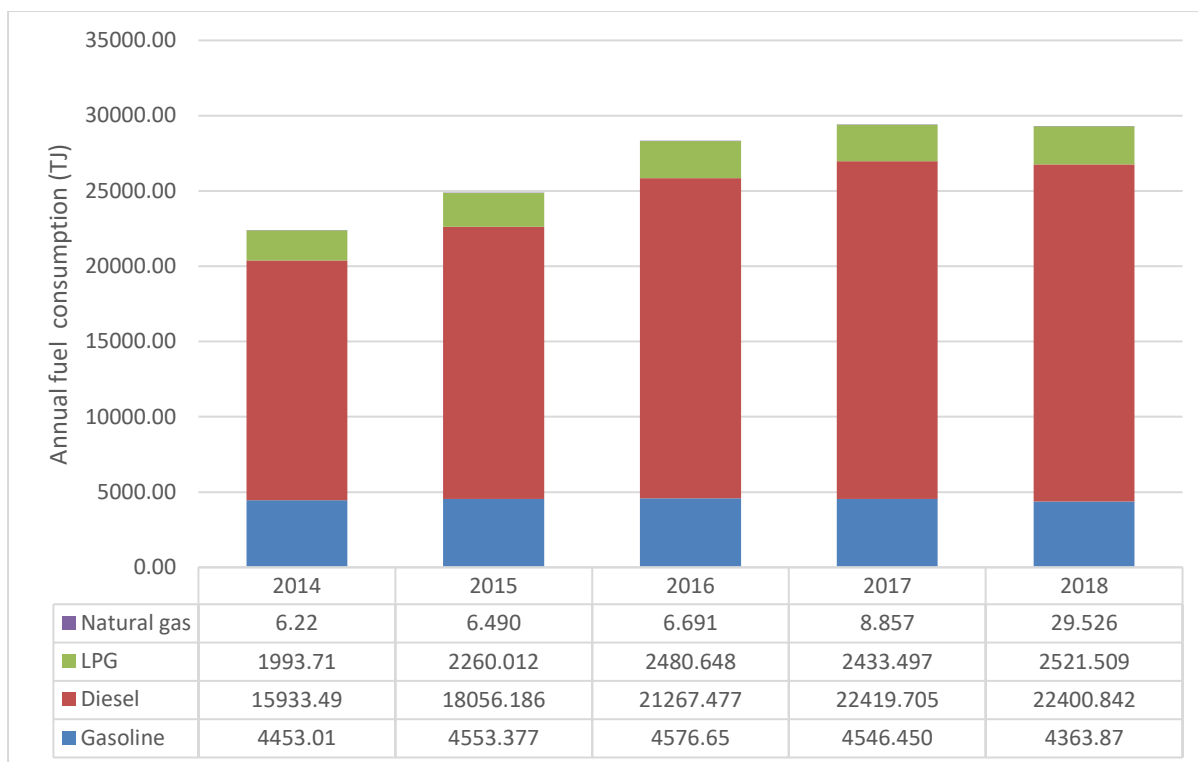


Figure 2.2 Annual national fuel consumption of the category road transportation, 2014 – 2018, in TJ

The initial mileage data per subcategory was obtained by the EMISIA SA database for R. Macedonia containing country specific activity data per vehicle class for the period 2000 - 2017. This EMISIA SA database for the EU and EU accession countries has been prepared using latest official statistics available, relevant studies, and SIBYL data, as well as the road transport dataset and methodology of the TRACCS and FLEETS research projects. The quality, completeness, and consistency of TRACCS and FLEETS datasets, which have been extensively reviewed and cross-checked, together with the expertise of EMISIA on transport data, ensure that the compiled COPERT data are also of good quality.

On the basis of the mileage data for the period 2000 -2017, a linear interpolation of the mileage data has been done for the year 2018. As a last step, the initial mileage data per category has been calibrated using the variables for the annual fuel consumption data and the specifics of the vehicles categories and classes. The detailed mileage matrix contains annual mileage per vehicle subcategory for new vehicles and for every vintage back in time, which determines the yearly mileage reduction percentages as a function of vehicle age. In a first step, the detailed mileage matrix is combined with corresponding fleet numbers in order to estimate intermediate total mileages for each year on a detailed fleet level. Next, each year's detailed (intermediate) mileage figures are scaled according to the difference between true and intermediate total mileage per vehicle subcategory.

The datasets of EMISIA SA also provided information of the mileage split between urban, rural and highway driving based on their surveys and monitoring data. This has been also crosschecked with the national statistical data to assure compliance and consistency with the present national circumstances and the national data.

2.3 Meteorology and climate

Emissions and fuel consumption results for operationally hot engines are calculated for each year and for layer and road type. The procedure is to combine fuel consumption and emission factors (and deterioration factors for catalyst vehicles), number of vehicles, annual mileage levels and the relevant road-type shares.

Extra emissions of NO_x, VOC, CH₄, CO, PM, N₂O, NH₃ and fuel consumption from cold start are simulated separately. For SO₂ and CO₂, the extra emissions are derived from the cold start fuel consumption results.

Each trip is associated with a certain cold-start emission level and is assumed to take place under urban driving conditions. The number of trips is distributed evenly across the months. First, cold emission factors are calculated as the hot emission factor times the cold: hot emission ratio. Secondly, the extra emission factor during cold start is found by subtracting the hot emission factor from the cold emission factor. Finally, this extra factor is applied on the fraction of the total mileage driven with a cold engine (the factor) for all vehicles in the specific layer.

The cold: hot ratios depend on the average trip length and the monthly ambient temperature distribution.

The Macedonian meteorological data as the minimum and the maximum monthly temperature data and the average monthly humidity for the period 2017 - 2018 have been provided by the National Hydrometeorological Service of Macedonia. The City of Skopje is taken as a reference city for this assessment and the meteorological data provided in the COPERT assessment are referring to the meteorological conditions in the city of Skopje.

3. Estimated emissions

3.1 Distribution of the results

The emissions of CO₂ (carbon dioxide), CH₄ (methane) and N₂O (nitrous oxide), SO₂ (sulphur dioxide), NO_x (nitrogen oxides), NMVOC (non-methane volatile organic compounds), CO (carbon monoxide), NH₃ (ammonia), PM (particulate matter), BC (black carbon), heavy metals, dioxins and PAHs are shown in time-series as required by the UNFCCC and the UNECE LRTAP conventions, and grouped according to the UNFCCC Common Reporting Format (CRF).

The COPERT vehicle database offers 383 different vehicles subclasses representing the vehicle category, the fuel type, the segment and the environmental standardisation of the vehicles. According to the COPERT vehicle stock configuration methodology the Macedonian vehicle fleet is divided on 246 vehicle subcategories.

The COPERT result files are detailed to the maximum extent possible and disaggregate the emissions on engine phases and working parameters as the hot and the cold emissions, AC usage, Selective Catalytic Reduction (SCR) and lubricant use emissions. Furthermore, the COPERT tool also analyse the emissions by driving conditions and divides the resulting emissions on the following driving/usage modes: Urban Off Peak, Urban Peak, Rural, and Highway.

The full-fledged emission tables are too extensive to be presented in this report and the resulting emissions per gas for the period 2017 – 2018 will be stored in Macedonian Environmental Informational Center of the MoEPP.

This report will only discuss the emission of direct GHG as CO₂, CH₄ and N₂O, the emissions of NO_x, CO, NMVOC and SO₂ as direct contributors to the national GHG emissions and important for the local air pollution and the emissions of PM₁₀ and PM_{2.5} as one of the main concerns for the ambient air quality in Macedonia.

3.2 Emissions of CO₂, CH₄ and N₂O

CO₂ emissions

The results of the COPERT model demonstrate increase in the CO₂ emissions from the road transport sector for 31.2% in the period 2014 – 2018³. The observed increase is fully in line with the increase of the vehicle fleet and the increase of national fuel consumption in the assessed period.

If we only observe the last two inventory years, the emissions are demonstrating a slight decrease of 0.4% in the period 2017 – 2018. The observed decrease of the emissions is a result of the decreased gasoline and diesel consumption in 2018 in comparison with 2017, as well as the improved environmental performances of the new vehicles.

In 2018, the CO₂ emissions of the road transport sector have been consisted of 92.7% of hot emissions⁴, 5.6% of cold emissions⁵, 1.5% of A/C usage emissions, 0.2% lubricant emissions

³ The fuel consumption for 2018 is based on preliminary data and it might be a subject to slight revision when the final Energy Balance for 2018 is published. The final Energy Balance for 2018 is expected to be published in October 2020.

⁴ Hot emissions are the emissions occurring when the engine is at its normal operating temperature

⁵ Cold or cold start emissions are the emissions during transient thermal engine operation

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⁶and 0.1% of SCR emissions⁷. The assessed emissions in this subchapter represent the total emissions summarising all the above mentioned engine phases and working parameters.

A table containing total disaggregated CO₂ emissions per vehicle class, fuel type, segment and environmental standard are presented in Annex I.

The assessment of the results shows that the most significant share of the CO₂ emissions originate from the diesel passenger vehicles, followed by the diesel heavy duty trucks, the petrol passenger vehicles, the diesel light commercial vehicles and the LPG passenger vehicles. The details regarding the CO₂ emissions by vehicle category and fuel type are presented in **Error! Reference source not found.** and on Figure 3.1.

Table 3.1 Estimated CO₂ emissions by vehicle category and fuel type (in kt)

Category	Fuel	2017	2018
Passenger Cars	Petrol	299.90	289.73
Passenger Cars	Petrol	0.01	0.00
Passenger Cars	Diesel	897.45	922.85
Passenger Cars	Petrol Hybrid	0.01	0.01
Passenger Cars	LPG Bifuel	158.41	164.14
Passenger Cars	CNG Bifuel	0.00	0.00
Light Commercial Vehicles	Petrol	21.97	19.57
Light Commercial Vehicles	Diesel	171.41	168.45
Heavy Duty Trucks	Petrol	1.67	1.47
Heavy Duty Trucks	Diesel	543.08	522.04
Buses	Diesel Urban Buses	18.67	15.84
Buses	Diesel Coaches	36.88	36.92
Buses	CNG Urban Buses	0.51	1.69
L-Category	Petrol Mopeds 2-stroke	0.62	0.47
L-Category	Petrol Mopeds 4-stroke	0.06	0.06
L-Category	Petrol Motorcycles 2-stroke	0.03	0.03
L-Category	Petrol Motorcycles 4-stroke	1.75	1.50

⁶⁶Air-conditioning use emissions are the emissions which are occurring as a result of the increased fuel consumption due to the use of the air conditioning in the vehicles.

⁷ Selective Catalytic Reduction (SCR) is an advanced active emissions control technology system that injects a liquid-reductant agent through a special catalyst into the exhaust stream of a diesel engine. The reductant source is usually automotive-grade urea, otherwise known as Diesel Exhaust Fluid (DEF). The DEF sets off a chemical reaction that converts nitrogen oxides into nitrogen, water and tiny amounts of carbon dioxide (CO₂), natural components of the air we breathe, which is then expelled through the vehicle tailpipe.

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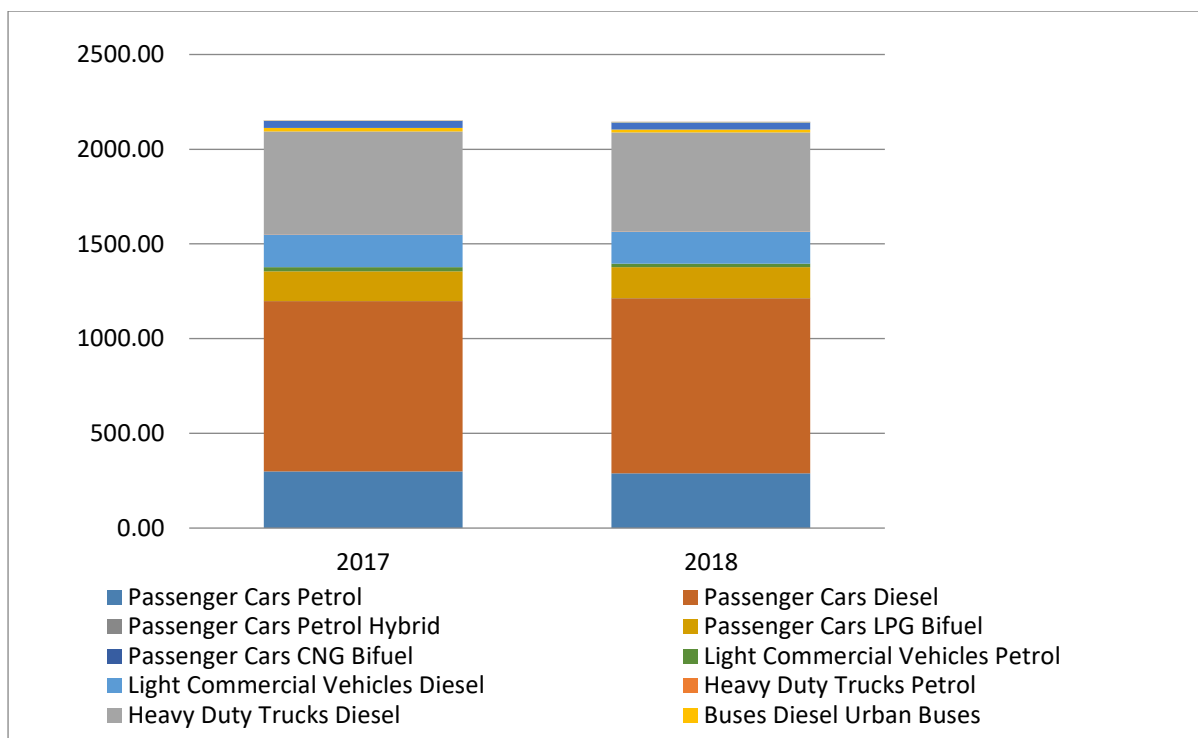


Figure 3.1 CO₂ emissions by vehicle category and fuel type, 2014 – 2016 (in kt)

The top 20 vehicle subclasses (out of the total 246) that contribute to the national CO₂ emissions in the year 2018 are presented in Table 3.2. The table represents 59% of the national emissions of CO₂.

Table 3.2 Top 20 vehicle subclasses that contribute to the national CO₂ emissions in the year 2018

Category	Fuel	Segment	Euro Standard	2018	Share in the total emissions (%)
Passenger Cars	Diesel	Small	Euro 3	208.337	9.7
Passenger Cars	Diesel	Small	Euro 4	180.043	8.4
Passenger Cars	Diesel	Small	Euro 2	128.055	6.0
Passenger Cars	Diesel	Large-SUV-Executive	Euro 3	85.077	4.0
Passenger Cars	Diesel	Small	Euro 5	63.000	2.9
Passenger Cars	Diesel	Large-SUV-Executive	Euro 4	61.131	2.9
Passenger Cars	Petrol	Small	Euro 4	55.531	2.6
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro VI	51.543	2.4
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro V	50.250	2.3
Passenger Cars	LPG Bifuel	Small	Euro 2	46.439	2.2
Passenger Cars	Petrol	Small	Euro 2	43.205	2.0
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro IV	42.143	2.0
Passenger Cars	LPG Bifuel	Small	Euro 4	40.040	1.9
Passenger Cars	Diesel	Large-SUV-Executive	Euro 2	37.172	1.7
Passenger Cars	LPG Bifuel	Small	Euro 3	32.682	1.5

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Light Commercial Vehicles	Diesel	N1-III	Euro 4	31.686	1.5
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro III	30.294	1.4
Passenger Cars	Diesel	Small	Euro 1	28.515	1.3
Passenger Cars	Petrol	Small	Euro 3	25.088	1.2
Passenger Cars	Diesel	Large-SUV-Executive	Euro 5	25.036	1.2

CH4 emissions

The results of the COPERT model demonstrate decrease in the CH4 emissions from the road transport sector for 9.6% in the period 2014 – 2018, and 6.2% in the period 2017-2018. This is mainly owned to the decreased consumption of petrol in the above mentioned period, as well as improvement of the vehicle technologies.

A table containing total disaggregated CH4 emissions per vehicle class, fuel type, segment and environmental standard are presented in **Error! Reference source not found.**, Annex I.

The assessment of the results shows that the most significant share of the CH4 emissions originate from petrol passenger vehicles, followed by the LPG passenger vehicles and diesel heavy duty trucks. The details regarding the CH4 emissions by vehicle category and fuel type are presented in Table 3.3 and on Figure 3.2.

Table 3.3 Estimated CH4 emissions by vehicle category and fuel type (in kt)

Category	Fuel	2017	2018
Passenger Cars	Petrol	0.040	0.036
Passenger Cars	Petrol 2 stroke	0.000	0.000
Passenger Cars	Diesel	0.010	0.009
Passenger Cars	Petrol Hybrid	0.000	0.000
Passenger Cars	LPG Bifuel	0.029	0.029
Passenger Cars	CNG Bifuel	0.000	0.000
Light Commercial Vehicles	Petrol	0.002	0.001
Light Commercial Vehicles	Diesel	0.001	0.001
Heavy Duty Trucks	Petrol	0.000	0.000
Heavy Duty Trucks	Diesel	0.025	0.022
Buses	Diesel Urban Buses	0.001	0.001
Buses	Diesel Coaches	0.002	0.002
Buses	CNG Urban Buses	0.001	0.003
L-Category	Petrol Mopeds 2-stroke	0.000	0.000
L-Category	Petrol Mopeds 4-stroke	0.000	0.000
L-Category	Petrol Motorcycles 2-stroke	0.000	0.000
L-Category	Petrol Motorcycles 4-stroke	0.002	0.001
Total CH4 emissions		0.113	0.106

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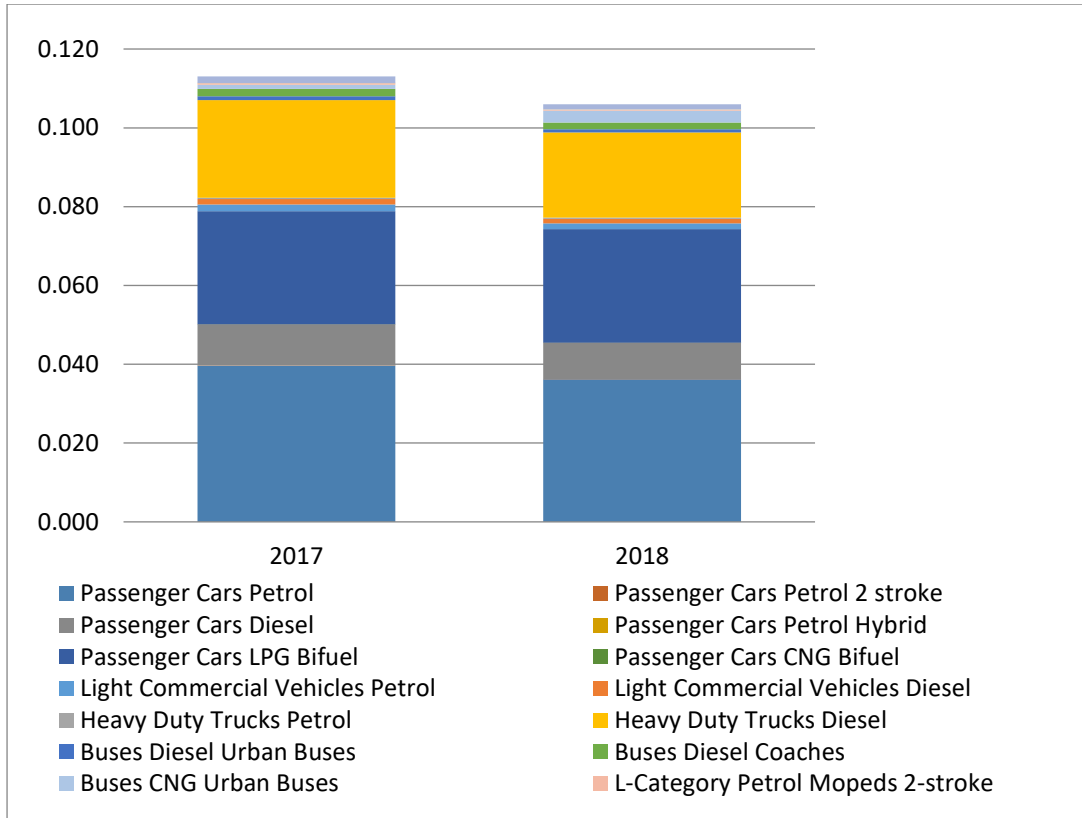


Figure 3.2 CH₄ emissions by vehicle category and fuel type, 2017 – 2018 (in kt)

The top 20 vehicle subclasses (out of the total 246 observed) that contribute to the national CH₄ emissions in the year 2018 are presented in **Error! Reference source not found.**. The table represents 63.8% of the national CH₄ emissions.

Table 3.4 Top 20 vehicle subclasses that contribute to the national CH₄ emissions in the year 2018

Category	Fuel	Segment	Euro Standard	2018	Share in the total emissions (%)
Passenger Cars	Petrol	Small	Euro 2	0.008	7.3
Passenger Cars	LPG Bifuel	Small	Euro 2	0.007	7.1
Passenger Cars	LPG Bifuel	Small	Euro 1	0.007	6.4
Passenger Cars	LPG Bifuel	Small	Euro 4	0.005	4.7
Passenger Cars	Petrol	Small	Euro 4	0.005	4.4
Passenger Cars	LPG Bifuel	Small	Conventional	0.005	4.3
Passenger Cars	LPG Bifuel	Small	Euro 3	0.004	3.9
Passenger Cars	Petrol	Medium	Euro 2	0.004	3.4
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro III	0.004	3.4
Passenger Cars	Petrol	Small	ECE 15/04	0.003	2.9
Passenger Cars	Petrol	Small	Euro 3	0.003	2.8
Passenger Cars	Diesel	Small	Euro 2	0.003	2.7
Passenger Cars	Petrol	Medium	Euro 3	0.002	1.8

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Passenger Cars	Petrol	Small	Euro 1	0.002	1.7
Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Conventional	0.002	1.6
Passenger Cars	Diesel	Small	Euro 1	0.002	1.6
Passenger Cars	Diesel	Small	Euro 3	0.001	1.4
Passenger Cars	Petrol	Medium	Euro 4	0.001	1.4
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Euro III	0.001	1.2

N₂O emissions

The results of the COPERT model demonstrate increase in the N₂O emissions from the road transport sector for 45.8% in the period 2014 – 2018, and 1.9% in the period 2017 - 2018.

A table containing total disaggregated N₂O emissions per vehicle class, fuel type, segment and environmental standard are presented in Annex I.

The assessment of the results shows that the most significant share of the N₂O emissions originate from diesel passenger vehicles, followed by the diesel heavy duty trucks and the LPG and the petrol passenger cars. The details regarding the N₂O emissions by vehicle category and fuel type are presented in **Error! Reference source not found..** and on Figure 3.3.

Table 3.5 Estimated N₂O emissions by vehicle category and fuel type (in kt)

Category	Fuel	2017	2018
Passenger Cars	Petrol	0.006	0.006
Passenger Cars	Petrol 2 stroke	0.000	0.000
Passenger Cars	Diesel	0.031	0.032
Passenger Cars	Petrol Hybrid	0.000	0.000
Passenger Cars	LPG Bifuel	0.007	0.007
Passenger Cars	CNG Bifuel	0.000	0.000
Light Commercial Vehicles	Petrol	0.000	0.000
Light Commercial Vehicles	Diesel	0.004	0.004
Heavy Duty Trucks	Petrol	0.000	0.000
Heavy Duty Trucks	Diesel	0.017	0.017
Buses	Diesel Urban Buses	0.000	0.000
Buses	Diesel Coaches	0.001	0.001
Buses	CNG Urban Buses	0.000	0.000
L-Category	Petrol Mopeds 2-stroke	0.000	0.000
L-Category	Petrol Mopeds 4-stroke	0.000	0.000
L-Category	Petrol Motorcycles 2-stroke	0.000	0.000
L-Category	Petrol Motorcycles 4-stroke	0.000	0.000
Total N₂O emissions		0.066	0.067

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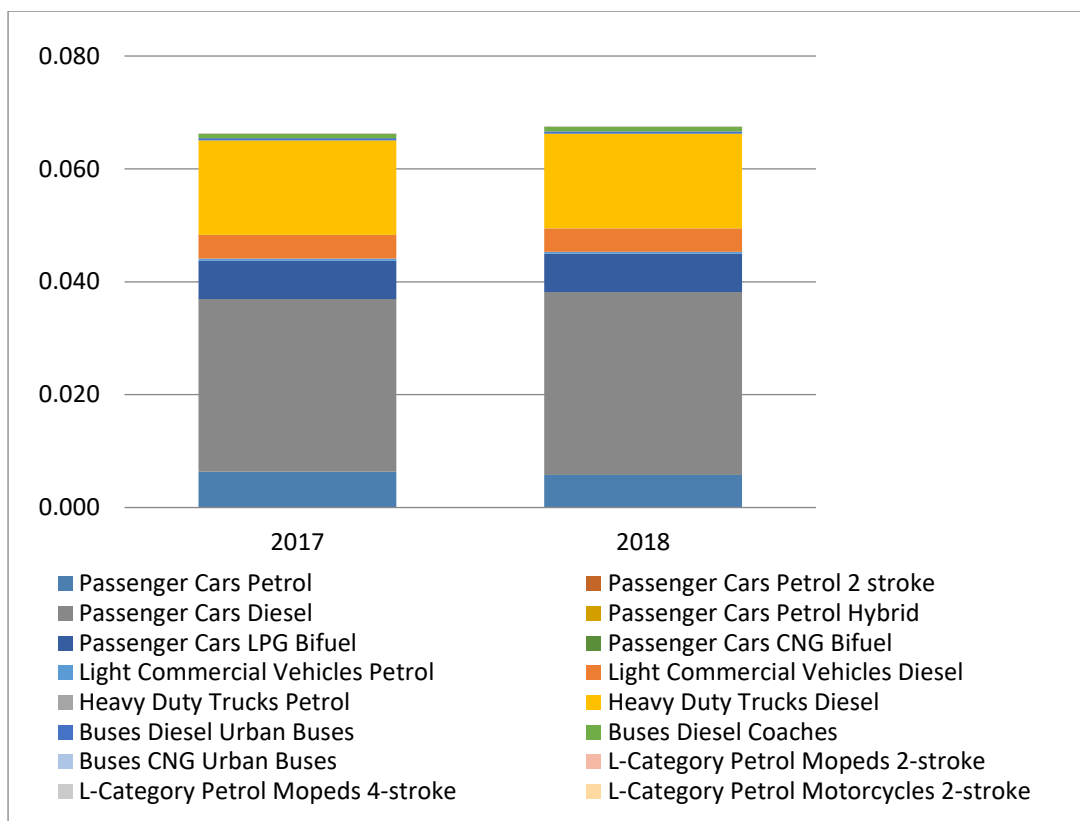


Figure 3.3 N₂O emissions by vehicle category and fuel type, 2014 – 2018 (in kt)

The top 20 vehicle subclasses (out of the total 246 observed) that contribute to the national N₂O emissions in the year 2018 are presented in Table 3.6. The table represents 69.9% of the national N₂O emissions.

Table 3.6 Top 20 vehicle subclasses that contribute to the national N₂O emissions (in kt)

Category	Fuel	Segment	Euro Standard	2018_T	Share in the total emissions (%)
Passenger Cars	Diesel	Small	Euro 3	0.009	13.0
Passenger Cars	Diesel	Small	Euro 4	0.008	11.2
Passenger Cars	Diesel	Small	Euro 2	0.003	4.7
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro VI	0.003	4.3
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro V	0.003	4.2
Passenger Cars	Diesel	Small	Euro 5	0.003	3.9
Passenger Cars	Diesel	Large-SUV-Executive	Euro 3	0.003	3.9
Passenger Cars	LPG Bifuel	Small	Euro 1	0.003	3.8
Passenger Cars	LPG Bifuel	Small	Euro 2	0.003	3.8
Passenger Cars	Diesel	Large-SUV-Executive	Euro 4	0.002	2.8
Passenger Cars	Petrol	Small	Euro 2	0.002	2.4
Passenger Cars	Diesel	Mini	Euro 4	0.001	2.1
Passenger Cars	LPG Bifuel	Small	Euro 4	0.001	1.4
Passenger Cars	Petrol	Small	Euro 1	0.001	1.3

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Light Commercial Vehicles	Diesel	N1-III	Euro 4	0.001	1.3
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t	Euro VI	0.001	1.2
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro IV	0.001	1.2
Passenger Cars	Diesel	Small	Euro 6 up to 2016	0.001	1.2
Passenger Cars	Diesel	Small	Euro 6 2017-2019	0.001	1.2
Passenger Cars	Diesel	Large-SUV-Executive	Euro 5	0.001	1.1

3.3 Emissions of NO_x, CO, NMVOC and SO₂

NO_x emissions

The results of the COPERT model demonstrate increase in the NO_x emissions from the road transport sector for 9.7% in the period 2014 – 2018, and decrease of 5.3% of in the period 2017 - 2018.

A table containing total disaggregated emissions per vehicle class, fuel type, segment and environmental standard is presented in Annex I.

The assessment of the results shows that the most significant share of the emissions originate from diesel heavy duty trucks, the diesel passenger cars and the diesel light commercial vehicles. The details regarding the emissions by vehicle category and fuel type are presented in **Error! Reference source not found.**

Table 3.7 Estimated NO_x emissions by vehicle category and fuel type (in kt)

Category	Fuel	2017	2018
Passenger Cars	Petrol	0.324	0.276
Passenger Cars	Petrol 2 stroke	0.000	0.000
Passenger Cars	Diesel	3.277	3.319
Passenger Cars	Petrol Hybrid	0.000	0.000
Passenger Cars	LPG Bifuel	0.348	0.324
Passenger Cars	CNG Bifuel	0.000	0.000
Light Commercial Vehicles	Petrol	0.018	0.014
Light Commercial Vehicles	Diesel	0.691	0.660
Heavy Duty Trucks	Petrol	0.015	0.013
Heavy Duty Trucks	Diesel	3.765	3.391
Buses	Diesel Urban Buses	0.179	0.150
Buses	Diesel Coaches	0.310	0.294
Buses	CNG Urban Buses	0.004	0.013
L-Category	Petrol Mopeds 2-stroke	0.001	0.001
L-Category	Petrol Mopeds 4-stroke	0.000	0.000
L-Category	Petrol Motorcycles 2-stroke	0.000	0.000
L-Category	Petrol Motorcycles 4-stroke	0.002	0.002

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Total NOx emissions

8.935

8.457

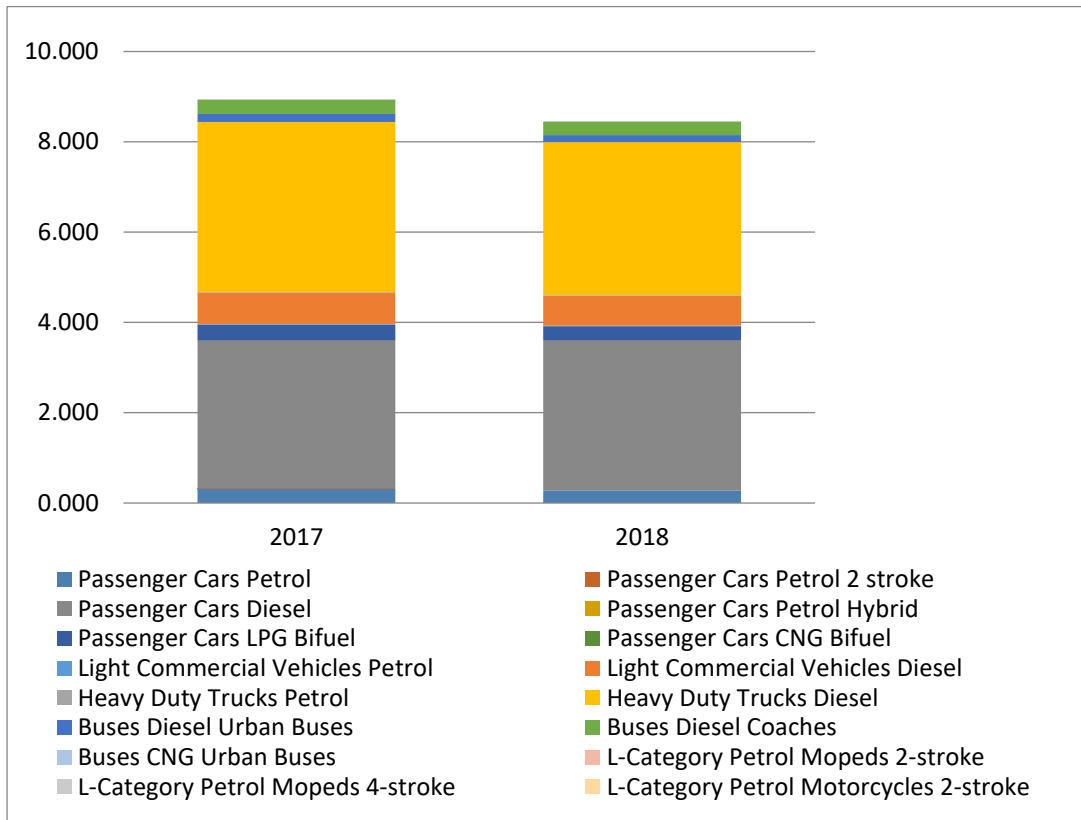


Figure 3.4 NOx emissions by vehicle category and fuel type, 2014 – 2018 (in kt)

The top 20 vehicle subclasses (out of the total 246 observed) that contribute to the national NOx emissions in the year 2018 are presented in Table 3.8. The table represents 57.8% of the national NOx emissions in 2018.

Table 3.8 Top 20 vehicle subclasses that contribute to the national NOx emissions (in kt) in the year 2018

Category	Fuel	Segment	Euro Standard	2018_T	Share in the total emissions (%)
Passenger Cars	Diesel	Small	Euro 3	1	10.8
Passenger Cars	Diesel	Small	Euro 4	1	7.1
Passenger Cars	Diesel	Small	Euro 2	1	6.0
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro V	0	3.7
Passenger Cars	Diesel	Large-SUV-Executive	Euro 3	0	3.2
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro III	0	3.1
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro IV	0	3.1

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Passenger Cars	Diesel	Small	Euro 5	0	2.6
Passenger Cars	LPG Bifuel	Small	Conventional	0	2.2
Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Conventional	0	2.1
Passenger Cars	Diesel	Large-SUV-Executive	Euro 4	0	1.8
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Conventional	0	1.6
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Euro III	0	1.5
Heavy Duty Trucks	Diesel	Rigid 12 - 14 t	Conventional	0	1.4
Passenger Cars	Diesel	Large-SUV-Executive	Euro 2	0	1.4
Passenger Cars	Diesel	Small	Euro 1	0	1.4
Passenger Cars	Diesel	Mini	Euro 4	0	1.3
Light Commercial Vehicles	Diesel	N1-III	Euro 4	0	1.2
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t	Euro V	0	1.1
Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Euro III	0	1.1

CO emissions

The results of the COPERT model demonstrate decrease of the CO emissions from the road transport sector for 20% in the period 2014 – 2018, and 10% in the period 2017 - 2018.

A table containing total disaggregated emissions per vehicle class, fuel type, segment and environmental standard is presented in Annex I.

The assessment of the results shows that the most significant share of the emissions originate from petrol passenger vehicles, LPG passenger vehicles and the diesel heavy duty trucks. The details regarding the emissions by vehicle category and fuel type are presented in **Error! Reference source not found.**

Table 3.9 Estimated CO emissions by vehicle category and fuel type (in kt)

Category	Fuel	2017	2018
Passenger Cars	Petrol	3.741	3.203
Passenger Cars	Petrol 2 stroke	0.000	0.000
Passenger Cars	Diesel	0.945	0.901
Passenger Cars	Petrol Hybrid	0.000	0.000
Passenger Cars	LPG Bifuel	2.240	2.180
Passenger Cars	CNG Bifuel	0.000	0.000
Light Commercial Vehicles	Petrol	0.297	0.236

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Light Commercial Vehicles	Diesel	0.228	0.205
Heavy Duty Trucks	Petrol	0.013	0.011
Heavy Duty Trucks	Diesel	0.962	0.871
Buses	Diesel Urban Buses	0.054	0.044
Buses	Diesel Coaches	0.069	0.067
Buses	CNG Urban Buses	0.001	0.003
L-Category	Petrol Mopeds 2-stroke	0.035	0.023
L-Category	Petrol Mopeds 4-stroke	0.004	0.004
L-Category	Petrol Motorcycles 2-stroke	0.003	0.003
L-Category	Petrol Motorcycles 4-stroke	0.072	0.043
Total CO emissions		8.663	7.794

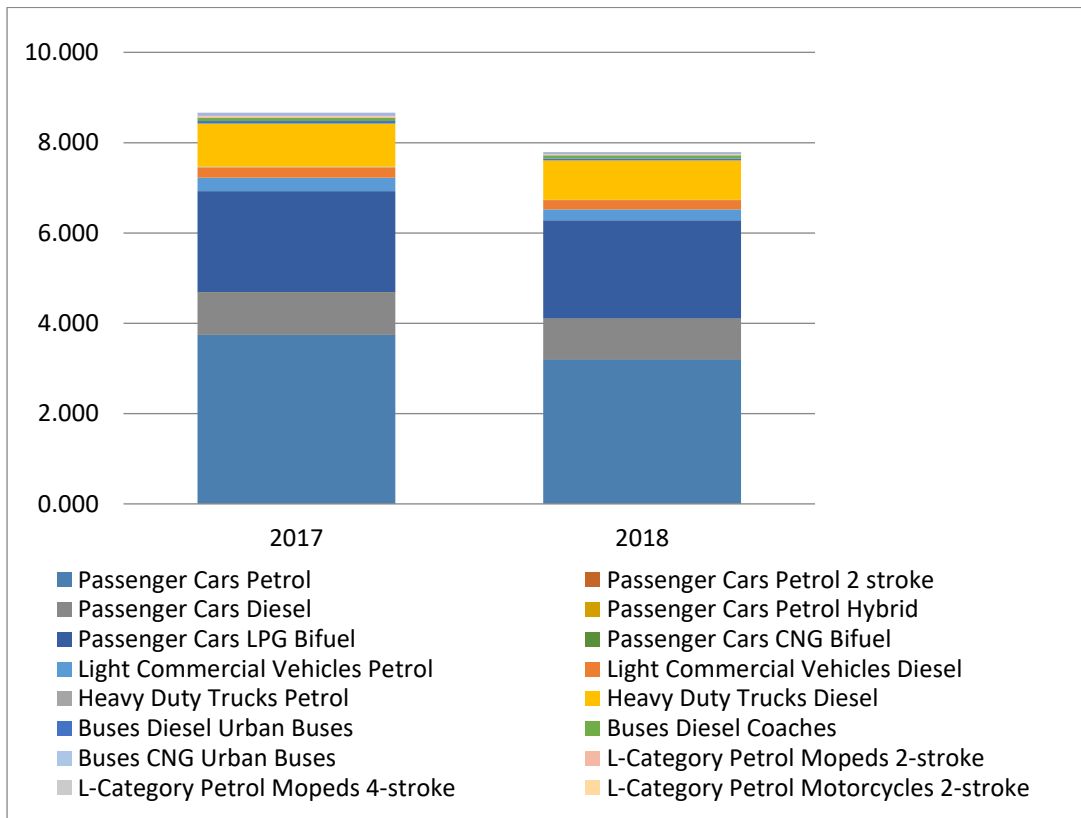


Figure 3.5 CO emissions by vehicle category and fuel type, 2017 – 2018 (in kt)

The top 20 vehicle subclasses (out of the total 246 observed) that contribute to the national emissions in the year 2018 are presented in Table 3.10. The table represents 71.4% of the national CO emissions in 2018.

Table 3.10 Top 20 vehicle subclasses that contribute to the national CO emissions

Category	Fuel	Segment	Euro Standard	2018_T	Share in the total emissions (%)
Passenger Cars	LPG Bifuel	Small	Euro 2	0.658	8.4

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Passenger Cars	Petrol	Small	Euro 2	0.567	7.3
Passenger Cars	LPG Bifuel	Small	Conventional	0.543	7.0
Passenger Cars	Petrol	Small	ECE 15/04	0.469	6.0
Passenger Cars	LPG Bifuel	Small	Euro 1	0.460	5.9
Passenger Cars	LPG Bifuel	Small	Euro 3	0.354	4.5
Passenger Cars	Petrol	Small	Euro 1	0.322	4.1
Passenger Cars	Diesel	Small	Euro 2	0.274	3.5
Passenger Cars	Petrol	Small	Euro 3	0.266	3.4
Passenger Cars	Petrol	Medium	Euro 2	0.246	3.2
Passenger Cars	Petrol	Small	Euro 4	0.178	2.3
Passenger Cars	Petrol	Medium	ECE 15/04	0.172	2.2
Passenger Cars	Petrol	Medium	Euro 1	0.166	2.1
Passenger Cars	Petrol	Medium	Euro 3	0.157	2.0
Passenger Cars	Petrol	Small	ECE 15/03	0.150	1.9
Passenger Cars	Diesel	Small	Euro 3	0.142	1.8
Passenger Cars	LPG Bifuel	Small	Euro 4	0.138	1.8
Passenger Cars	Diesel	Small	Euro 4	0.126	1.6
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro V	0.096	1.2
Passenger Cars	Diesel	Small	Euro 1	0.080	1.0

NMVOC emissions

The results of the COPERT model demonstrate decrease in the NMVOC emissions from the road transport sector for 10% in the period 2014 – 2018 and 8.5% in the period 2017-2018.

A table containing total disaggregated emissions per specific pollutant and condition is presented in Annex I.

The top 20 pollutantsthat contribute to the national NMVOC emissions in the year 2018 are presented in Table 3.11. The table represents 83.9% of the national NMVOC emissions.

Table 3.11 Top 20 pollutant subclasses that contribute to the national NMVOC emissions

Emission	Condition	2018	Share in the total emissions (%)
Total	ALKANES / propane	0.237	12.2

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Total	ALKANES / 3-methylpentane	0.197	10.2
Total	ALKANES / butane	0.123	6.3
Total	ALKANES / isopentane	0.112	5.8
Total	ALKANES / 2-methylpentane	0.110	5.7
Total	AROMATICICS / toluene	0.087	4.5
Total	ALKANES / Alkanes C>13	0.083	4.3
Total	AROMATICICS / m,p-xylene	0.083	4.3
Total	ALKENES / ethylene	0.082	4.2
Total	Aromatics C>13 / Aromatics C>13	0.075	3.9
Total	ALKANES / pentane	0.069	3.6
Total	ALKANES / isobutane	0.067	3.5
Total	ALDEHYDES / formaldehyde	0.050	2.6
Total	ALKENES / propylene	0.047	2.4
Total	AROMATICICS / ethylbenzene	0.046	2.4
Total	AROMATICICS / o-xylene	0.038	2.0
Total	AROMATICICS / benzene	0.033	1.7
Total	ALKENES / 2-butene	0.030	1.5
Total	ALDEHYDES / acetaldahyde	0.030	1.5
Total	ALKINES / acetylene	0.025	1.3

SO₂ emissions

The results of the COPERT model demonstrate increase in the emissions from the road transport sector for 29.9% in the period 2014 – 2018, and 0.5% in the period 2017 - 2018.

A table containing total disaggregated emissions per vehicle class, fuel type, segment and environmental standard are presented in Annex I.

The assessment of the results shows that the most significant share of the emissions originate from LPG passenger cars, followed by the diesel passenger cars and diesel heavy duty trucks. The details regarding the emissions by vehicle category and fuel type are presented in Table 3.12 and Figure 3.6.

Table 3.12 Estimated SO₂ emissions by vehicle category and fuel type (in kt)

Category	Fuel	2017	2018
Passenger Cars	Petrol	0.002	0.002
Passenger Cars	Petrol 2 stroke	0.000	0.000
Passenger Cars	Diesel	0.004	0.004
Passenger Cars	Petrol Hybrid	0.000	0.000
Passenger Cars	LPG Bifuel	0.004	0.005
Passenger Cars	CNG Bifuel	0.000	0.000
Light Commercial Vehicles	Petrol	0.000	0.000
Light Commercial Vehicles	Diesel	0.001	0.001
Heavy Duty Trucks	Petrol	0.000	0.000
Heavy Duty Trucks	Diesel	0.003	0.003
Buses	Diesel Urban Buses	0.000	0.000
Buses	Diesel Coaches	0.000	0.000
Buses	CNG Urban Buses	0.000	0.000

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L-Category	Petrol Mopeds 2-stroke	0.000	0.000
L-Category	Petrol Mopeds 4-stroke	0.000	0.000
L-Category	Petrol Motorcycles 2-stroke	0.000	0.000
L-Category	Petrol Motorcycles 4-stroke	0.000	0.000
Total SO2 emissions		0.014	0.015

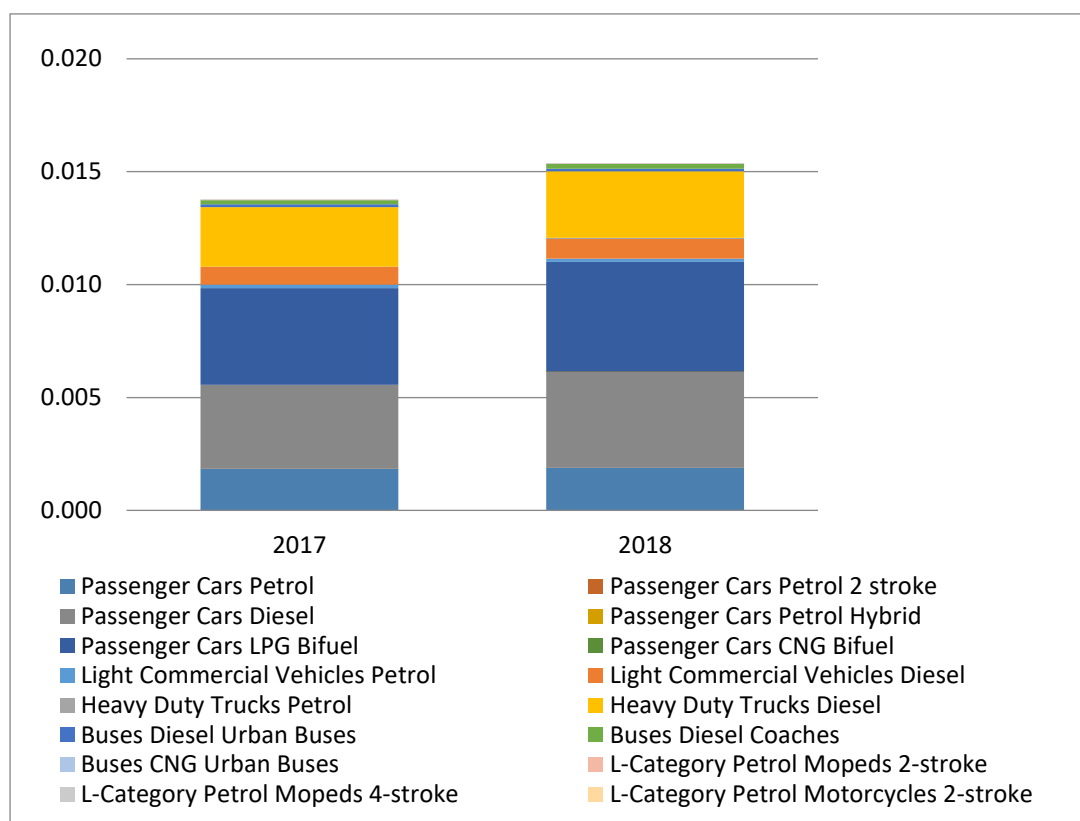


Figure 3.6 SO2 emissions by vehicle category and fuel type, 2014 – 2018 (in kt)

The top 20 vehicle subclasses (out of the total 246 observed) that contribute to the national emissions in the year 2018 are presented in Table 3.13. The table represents 67.6% of the national SO2 emissions.

Table 3.13 Top 20 vehicle subclasses that contribute to the national SO2 emissions

Category	Fuel	Segment	Euro Standard	2018_T	Share in the total emissions (%)
Passenger Cars	LPG Bifuel	Small	Euro 2	0.0015	8.6
Passenger Cars	LPG Bifuel	Small	Euro 4	0.0013	7.4
Passenger Cars	Diesel	Small	Euro 3	0.0013	7.3
Passenger Cars	Diesel	Small	Euro 4	0.0011	6.3
Passenger Cars	LPG Bifuel	Small	Euro 3	0.0011	6.0
Passenger Cars	Diesel	Small	Euro 2	0.0008	4.5
Passenger Cars	LPG Bifuel	Small	Euro 1	0.0007	4.1

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Passenger Cars	Diesel	Large-SUV-Executive	Euro 3	0.0005	3.0
Passenger Cars	LPG Bifuel	Small	Conventional	0.0005	2.8
Passenger Cars	Diesel	Small	Euro 5	0.0004	2.2
Passenger Cars	Diesel	Large-SUV-Executive	Euro 4	0.0004	2.2
Passenger Cars	Petrol	Small	Euro 4	0.0003	2.0
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro VI	0.0003	1.8
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro V	0.0003	1.8
Passenger Cars	Petrol	Small	Euro 2	0.0003	1.5
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro IV	0.0003	1.5
Passenger Cars	Diesel	Large-SUV-Executive	Euro 2	0.0002	1.3
Light Commercial Vehicles	Diesel	N1-III	Euro 4	0.0002	1.1
Passenger Cars	LPG Bifuel	Small	Euro 5	0.0002	1.1
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro III	0.0002	1.1

3.4 Emissions of PM 10 and PM2.5

PM10

The results of the COPERT model demonstrate increase in the PM10 emissions from the road transport sector for 13% in the period 2014 – 2018, and decrease of 4% of in the period 2017 - 2018.

A table containing total disaggregated emissions per vehicle class, fuel type, segment and environmental standard is presented in Annex I.

The assessment of the results shows that the most significant share of the emissions originate from diesel passenger vehicles diesel, followed by the diesel heavy duty vehicles and the diesel light commercial vehicles. The details regarding the emissions by vehicle category and fuel type are presented in **Error! Reference source not found.**

Table 3.14 Estimated PM10 emissions by vehicle category and fuel type (in kt)

Category	Fuel	2017	2018
Passenger Cars	Petrol	0.036	0.035
Passenger Cars	Petrol 2 stroke	0.000	0.000
Passenger Cars	Diesel	0.317	0.314
Passenger Cars	Petrol Hybrid	0.000	0.000
Passenger Cars	LPG Bifuel	0.023	0.024
Passenger Cars	CNG Bifuel	0.000	0.000
Light Commercial Vehicles	Petrol	0.002	0.002
Light Commercial Vehicles	Diesel	0.063	0.058
Heavy Duty Trucks	Petrol	0.000	0.000
Heavy Duty Trucks	Diesel	0.157	0.144
Buses	Diesel Urban Buses	0.006	0.005
Buses	Diesel Coaches	0.010	0.010
Buses	CNG Urban Buses	0.000	0.000

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L-Category	Petrol Mopeds 2-stroke	0.000	0.000
L-Category	Petrol Mopeds 4-stroke	0.000	0.000
L-Category	Petrol Motorcycles 2-stroke	0.000	0.000
L-Category	Petrol Motorcycles 4-stroke	0.000	0.000
Total PM10 emissions		0.616	0.592

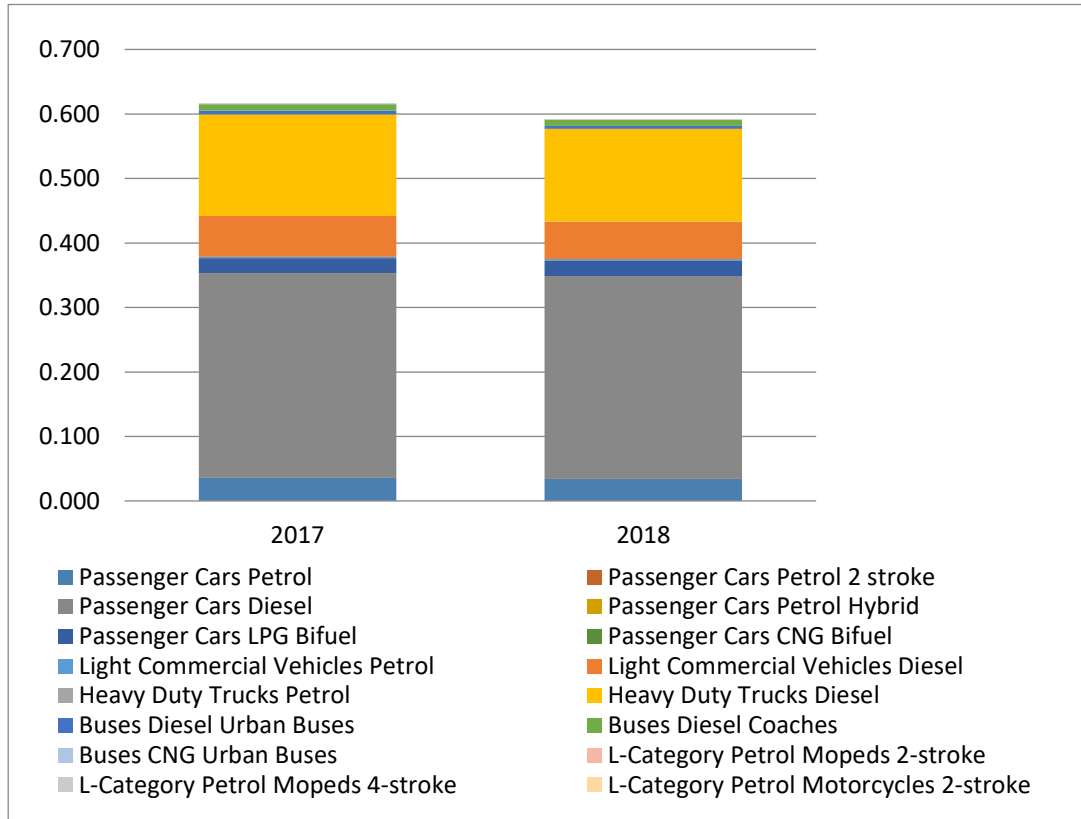


Figure 3.7 PM10 emissions by vehicle category and fuel type, 2017 – 2018 (in kt)

The top 20 vehicle subclasses (out of the total 246 observed) that contribute to the national PM10 emissions in the year 2018 are presented in **Error! Reference source not found.** The table represents 64.8% of the national NOx emissions in 2018.

Table 3.15 Top 20 vehicle subclasses that contribute to the national PM10 emissions (in kt) in the year 2018

Category	Fuel	Segment	Euro Standard	2018_T	Share in the total emissions (%)
Passenger Cars	Diesel	Small	Euro 3	0.074	12.4
Passenger Cars	Diesel	Small	Euro 4	0.059	10.0
Passenger Cars	Diesel	Small	Euro 2	0.057	9.6
Passenger Cars	Diesel	Large-SUV-Executive	Euro 3	0.022	3.7
Passenger Cars	Diesel	Small	Conventional	0.018	3.0
Passenger Cars	Diesel	Small	Euro 1	0.017	2.8
Passenger Cars	Diesel	Large-SUV-Executive	Euro 4	0.015	2.5
Passenger Cars	Diesel	Large-SUV-Executive	Euro 2	0.013	2.2

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Passenger Cars	Diesel	Mini	Euro 4	0.011	1.9
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro V	0.011	1.8
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro III	0.011	1.8
Light Commercial Vehicles	Diesel	N1-III	Conventional	0.011	1.8
Passenger Cars	Diesel	Small	Euro 5	0.009	1.6
Light Commercial Vehicles	Diesel	N1-III	Euro 4	0.009	1.5
Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Conventional	0.009	1.5
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro IV	0.008	1.4
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro VI	0.008	1.4
Light Commercial Vehicles	Diesel	N1-III	Euro 3	0.008	1.3
Passenger Cars	LPG Bifuel	Small	Euro 2	0.007	1.2
Passenger Cars	Petrol	Small	Euro 4	0.007	1.2

PM2.5

The results of the COPERT model demonstrate increase in the PM10 emissions from the road transport sector for 8.7% in the period 2014 – 2018, and decrease of 5% of in the period 2017 - 2018.

A table containing total disaggregated emissions per vehicle class, fuel type, segment and environmental standard is presented in Annex I.

The assessment of the results shows that the most significant share of the emissions originate from diesel passenger vehicles diesel, followed by the diesel heavy duty vehicles and the diesel light commercial vehicles. The details regarding the emissions by vehicle category and fuel type are presented in **Error! Reference source not found.**

Table 3.16 Estimated PM2.5 emissions by vehicle category and fuel type (in kt)

Category	Fuel	2017	2018
Passenger Cars	Petrol	0.021	0.020
Passenger Cars	Petrol 2 stroke	0.000	0.000
Passenger Cars	Diesel	0.265	0.260
Passenger Cars	Petrol Hybrid	0.000	0.000
Passenger Cars	LPG Bifuel	0.013	0.014
Passenger Cars	CNG Bifuel	0.000	0.000
Light Commercial Vehicles	Petrol	0.001	0.001
Light Commercial Vehicles	Diesel	0.054	0.048
Heavy Duty Trucks	Petrol	0.000	0.000
Heavy Duty Trucks	Diesel	0.122	0.110
Buses	Diesel Urban Buses	0.005	0.004
Buses	Diesel Coaches	0.008	0.008

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Buses	CNG Urban Buses	0.000	0.000
L-Category	Petrol Mopeds 2-stroke	0.000	0.000
L-Category	Petrol Mopeds 4-stroke	0.000	0.000
L-Category	Petrol Motorcycles 2-stroke	0.000	0.000
L-Category	Petrol Motorcycles 4-stroke	0.000	0.000
Total PM2.5 emissions		0.490	0.465

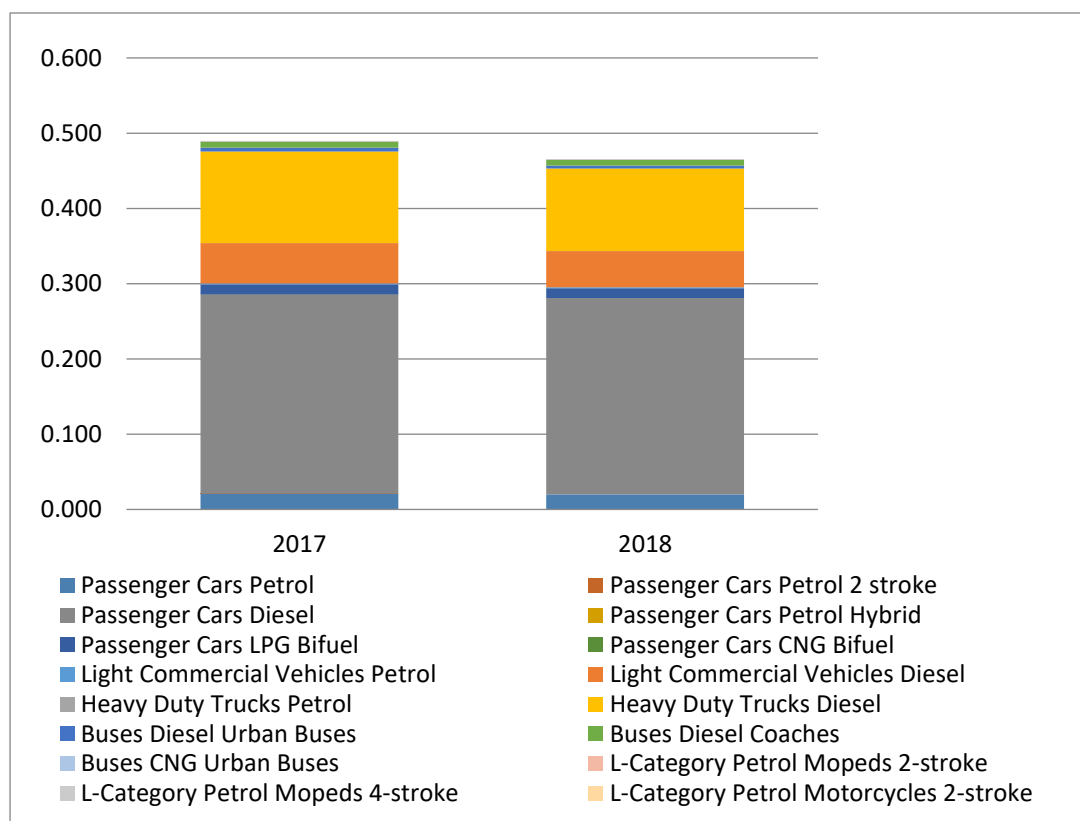


Figure 3.8 PM2.5 emissions by vehicle category and fuel type, 2014 – 2018 (in kt)

The top 20 vehicle subclasses (out of the total 246 observed) that contribute to the national PM2.5 emissions in the year 2018 are presented in . The table represents 68.1% of the national PM2.5 emissions in 2018.

Table 3.17 Top 20 vehicle subclasses that contribute to the national PM2.5 emissions (in kt) in the year 2018

Category	Fuel	Segment	Euro Standard	2018_T	Share in the total emissions (%)
Passenger Cars	Diesel	Small	Euro 3	0.0607	13.1
Passenger Cars	Diesel	Small	Euro 2	0.0497	10.7
Passenger Cars	Diesel	Small	Euro 4	0.0484	10.4
Passenger Cars	Diesel	Large-SUV-Executive	Euro 3	0.0183	3.9
Passenger Cars	Diesel	Small	Conventional	0.0173	3.7
Passenger Cars	Diesel	Small	Euro 1	0.0151	3.2
Passenger Cars	Diesel	Large-SUV-Executive	Euro 4	0.0121	2.6

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Passenger Cars	Diesel	Large-SUV-Executive	Euro 2	0.0113	2.4
Light Commercial Vehicles	Diesel	N1-III	Conventional	0.0103	2.2
Passenger Cars	Diesel	Mini	Euro 4	0.0090	1.9
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro III	0.0087	1.9
Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Conventional	0.0081	1.7
Light Commercial Vehicles	Diesel	N1-III	Euro 4	0.0071	1.5
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro V	0.0071	1.5
Light Commercial Vehicles	Diesel	N1-III	Euro 3	0.0066	1.4
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Conventional	0.0062	1.3
Passenger Cars	Diesel	Small	Euro 5	0.0056	1.2
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro IV	0.0054	1.2
Heavy Duty Trucks	Diesel	Rigid 12 - 14 t	Conventional	0.0052	1.1
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro VI	0.0045	1.0

4. Constrains, gaps and recommendations for improved data collection and reporting

In the process of development of on-road mobile source emission inventories, reliable data on vehicle fleet characteristics such as age distribution and alternative vehicle fuels and technologies fraction are as important as accurate data concerning vehicle activity and emission rates. In many emission and air quality analyses, there is a need for of highly-resolved and area-specific vehicle fleet data, which can be gathered on a systematic manner during the vehicle registration process and taking into consideration the local and the national circumstance.

The identified constrains and gaps in regards to performing detailed assessment of the road transport emissions can be grouped into the following 3 aspects:

a) Data availability

<i>Problem</i>	<i>The availability of the vehicle fleet data can be a significant issue and constrain for performing detailed road transport assessments. The vehicle fleet database is not publically available and can be only obtained by interinstitutional arrangements and Memorandums for data exchange. The database is not publically due to data protection issues and protection of market relevant data.</i>
<i>Temporary solution</i>	<i>In the scope of the assessment the data has been provided on the basis of interinstitutional memorandum between the Mol and the MoEPP.</i>
<i>Recommendation for a long term solution</i>	<i>This issue can be solved by regular publication of detailed vehicle database containing summary data by vehicle class, type and categorisation. This will allow more frequent and more detailed analyses and scientific activities for evaluation of the impact of the road transport sector on the national GHG emissions and air emissions.</i>
<i>Problem</i>	<ul style="list-style-type: none"> ➤ <i>There is no data for the average annual mileage per vehicle class and vehicle type since there is no a systematised manner for collection of data relevant for assessment of the average annual data of vehicle activity/mileage per year.</i> ➤ <i>There is no official statistic on the average trip length on national level.</i> ➤ <i>There is no official statistics of the number of vehicles having an air-conditioning and in regards to the average use of this system per year;</i>
<i>Temporary solution</i>	<i>In the scope of the assessment the country specific data on the average vehicle mileage, average trip length and the default values of the share of the vehicles equipped with A/C per vehicle class and category has been provided by the EMISIA SA.</i>
<i>Recommendation for a long term solution</i>	<i>This issue should be solved by development of a policy, legal and institutional setup for systematic and regular collection and</i>

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	<i>integration of the above mentioned data into the national vehicle fleet data.</i>
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b) Data quality

During the assessment and elaboration of the vehicle data and their translation into the COPERT model, few issues has been identified and underlined as possible gaps and limitations in the national vehicle fleet database.

<i>Problem</i>	<i>In many cases there is no strict distinction between vehicles operating on LPG and CNG, since expression Mixture (or "Mesavina") is used. Since the Law of vehicles recognizes and approves CNG vehicles since 2012, there is small amount of vehicles operating on CNG, but they cannot be identified in the vehicle database. However, this number is still very negligible due to the fact that the installation of the CNG fuel systems is very expensive, as well as due to the fact that there is no well extensive fuel distribution network for CNG.</i>
<i>Temporary solution</i>	<i>In the scope of this assessment this issue has been addressed by sorting all referred vehicles as vehicles operating on LPG. As a consequence, the present classification of the vehicle fleet of R. Macedonia vehicles has not contain vehicles operating on CNG, although in the reality small amount of vehicles operating on CNG exist in the country.</i>
<i>Problem</i>	<i>There is a discrepancy between the consumption of LPG in the country and the national vehicle fleet operating on LPG. This is mainly owned to the fact that number of vehicles operating on LPG don't have attest/certificate for the LPG system installed, or the change of the fuel type is not properly recorded in the vehicle registration document and in the national vehicle fleet database.</i>
<i>Temporary solution</i>	<i>This issue has been solved by performing of a fuel balance of the national fuel consumption and the recorded vehicle fleet, with which the COPERT model provided adjusted or fuel balanced mileage by vehicle class and vehicle category. According to the fuel balanced approach of the vehicle activity per vehicle category it can be concluded that the number of vehicles operating on LPG is double in comparison with the LPG vehicles recorded in the dataset.</i>
<i>Problem</i>	<i>Significant number of heavy duty vehicles/trucks are recorded as vehicles operating on petrol, which is not possible for vehicles of that certain type, since the petrol engines are not technologically appropriate for heavy duty vehicles.</i>
<i>Temporary solution</i>	<i>This discrepancy has been solved by revision of the heavy duty vehicles in the database and manual transfer of the wrongly recorded gasoline entries to diesel.</i>
<i>Problem</i>	<i>Significant amount of mopeds and motorcycles are listed as diesel operating vehicles. Diesel operating mopeds and</i>

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	<i>motorcycles are very rare and are generally used for military purposes, and as such are not present in Macedonia.</i>
<i>Temporary solution</i>	<i>This discrepancy has been solved by revision of the mopeds and motorcycles in the database and manual editing of the wrong records in regards to the fuel used.</i>
<i>Problem</i>	<i>There is no fuel type distinction between the 2 stoke mopeds and motorcycles and the 4 stoke mopeds and motorcycles.</i>
<i>Temporary solution</i>	<i>This discrepancy has been solved by revision of the mopeds and motorcycles in the database, their assessment by engine type, and manual editing of the wrong records in regards to the engine type and fuel used.</i>
<i>Problem</i>	<i>The database contains significant number of entries of the production year which are not fulfilled in a right manner, are empty or are not contacting 4 digits.</i>
<i>Temporary solution</i>	<i>This discrepancy has been solved by manual revision of the inconsistent and inappropriate entries.</i>
<i>Problem</i>	<i>There are significant number of entries of the reference weight and the payload weight of the vehicles which are not fulfilled in a right manner, are empty or are not contacting appropriate data.</i>
<i>Temporary solution</i>	<i>This discrepancy has been solved by manual revision of the inconsistent and inappropriate entries.</i>
<i>Recommendation for a long term solution</i>	<i>All the constrains related with data quality which have been mentioned above should be considered and addressed for improved monitoring and management of the national vehicle fleet and in order to allow more efficient and more effective translation of the national vehicle data into emission estimations.</i>

c) General remarks regarding the monitoring, reporting and verification of the vehicle database and the road transport emissions

<i>Problem</i>	<i>In the process of development of the COPERT dataset for Macedonia it was noted that some vehicle records require improved quality control and verification. This is especially important when it comes to the COPERT relevant data of the vehicles as a production year, fuel type, reference mass and maximum payload mass etc.</i>
<i>Temporary solution</i>	<i>All the data which were considered as outliers have been assessed and corrected. However, the entire process requires significant amount of time, as well as broad knowledge on the vehicle types and characteristics</i>

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<p><i>Recommendation for a long term solution</i></p>	<p><i>In cases where inconsistencies in the national vehicle database are identified, a vehicle VIN assessment or VIN decoder exercise should be made in order to check and to validate the vehicle fleet data. This validation exercise is recommended to be done for the Macedonian vehicle database, in conjunction with the policy and the legal setup for systematic collection of activity data relevant for the road transport sector.</i></p> <p><i>In this sense, it is strongly recommended the vehicle data database to be interlinked with a software solution which will contain preentered vehicle type data and will do a constant QC of the data entry process. Furthermore, we recommend the software to be connected with the Ministry of Environment and Physical Planning, so the Ministry is able to cross check and verify the vehicle fleet data during the preparation of the annual COPERT inventory.</i></p> <p><i>The proposed recommendations aim to assure the consistency and the accuracy of the input data needed for regular and transparent update of the emissions of the road transport sector, and a solid ground for planning of policy and measures in regards to climate mitigation and environmental protection of the country.</i></p>
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Annex I

CO2 emissions

Category	Fuel	Segment	Euro Standard	2017_T	2018_T
Passenger Cars	Petrol	Mini	Euro 4	6.458	5.655
Passenger Cars	Petrol	Mini	Euro 5	0.002	0.002
Passenger Cars	Petrol	Mini	Euro 6 up to 2016	0.000	0.000
Passenger Cars	Petrol	Mini	Euro 6 2017-2019	0.000	0.000
Passenger Cars	Petrol	Mini	Euro 6 2020+	0.000	0.000
Passenger Cars	Petrol	Small	PRE ECE	0.047	0.031
Passenger Cars	Petrol	Small	ECE 15/00-01	0.360	0.294
Passenger Cars	Petrol	Small	ECE 15/02	0.531	0.378
Passenger Cars	Petrol	Small	ECE 15/03	1.514	1.101
Passenger Cars	Petrol	Small	ECE 15/04	6.953	5.182
Passenger Cars	Petrol	Small	Improved Conventional	0.000	0.000
Passenger Cars	Petrol	Small	Open Loop	0.000	0.000
Passenger Cars	Petrol	Small	Euro 1	14.461	13.339
Passenger Cars	Petrol	Small	Euro 2	45.190	43.205
Passenger Cars	Petrol	Small	Euro 3	28.064	25.088
Passenger Cars	Petrol	Small	Euro 4	55.459	55.531
Passenger Cars	Petrol	Small	Euro 5	15.473	15.293
Passenger Cars	Petrol	Small	Euro 6 up to 2016	3.478	3.386
Passenger Cars	Petrol	Small	Euro 6 2017-2019	3.787	8.771
Passenger Cars	Petrol	Small	Euro 6 2020+	0.000	0.000
Passenger Cars	Petrol	Medium	PRE ECE	0.030	0.025
Passenger Cars	Petrol	Medium	ECE 15/00-01	0.079	0.062
Passenger Cars	Petrol	Medium	ECE 15/02	0.165	0.117
Passenger Cars	Petrol	Medium	ECE 15/03	0.804	0.581
Passenger Cars	Petrol	Medium	ECE 15/04	3.046	2.287
Passenger Cars	Petrol	Medium	Improved Conventional	0.000	0.000
Passenger Cars	Petrol	Medium	Open Loop	0.000	0.000
Passenger Cars	Petrol	Medium	Euro 1	11.058	8.775
Passenger Cars	Petrol	Medium	Euro 2	29.032	23.932
Passenger Cars	Petrol	Medium	Euro 3	22.168	19.144
Passenger Cars	Petrol	Medium	Euro 4	19.711	20.164
Passenger Cars	Petrol	Medium	Euro 5	8.737	8.695
Passenger Cars	Petrol	Medium	Euro 6 up to 2016	3.393	4.331
Passenger Cars	Petrol	Medium	Euro 6 2017-2019	2.259	7.118
Passenger Cars	Petrol	Medium	Euro 6 2020+	0.000	0.000

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Passenger Cars	Petrol	Large-SUV-Executive	PRE ECE	0.044	0.030
Passenger Cars	Petrol	Large-SUV-Executive	ECE 15/00-01	0.061	0.043
Passenger Cars	Petrol	Large-SUV-Executive	ECE 15/02	0.067	0.048
Passenger Cars	Petrol	Large-SUV-Executive	ECE 15/03	0.138	0.104
Passenger Cars	Petrol	Large-SUV-Executive	ECE 15/04	0.419	0.325
Passenger Cars	Petrol	Large-SUV-Executive	Euro 1	0.920	0.714
Passenger Cars	Petrol	Large-SUV-Executive	Euro 2	3.612	2.964
Passenger Cars	Petrol	Large-SUV-Executive	Euro 3	4.434	3.850
Passenger Cars	Petrol	Large-SUV-Executive	Euro 4	4.576	4.836
Passenger Cars	Petrol	Large-SUV-Executive	Euro 5	1.841	2.072
Passenger Cars	Petrol	Large-SUV-Executive	Euro 6 up to 2016	1.038	1.071
Passenger Cars	Petrol	Large-SUV-Executive	Euro 6 2017-2019	0.489	1.181
Passenger Cars	Petrol	Large-SUV-Executive	Euro 6 2020+	0.000	0.000
Passenger Cars	Petrol	2-Stroke	Conventional	0.008	0.002
Passenger Cars	Diesel	Mini	Euro 4	18.180	22.889
Passenger Cars	Diesel	Mini	Euro 5	7.722	7.925
Passenger Cars	Diesel	Mini	Euro 6 up to 2016	1.352	1.316
Passenger Cars	Diesel	Mini	Euro 6 2017-2019	0.635	1.107
Passenger Cars	Diesel	Mini	Euro 6 2020+	0.000	0.000
Passenger Cars	Diesel	Small	Conventional	15.725	12.801
Passenger Cars	Diesel	Small	Euro 1	34.064	28.515
Passenger Cars	Diesel	Small	Euro 2	145.671	128.055
Passenger Cars	Diesel	Small	Euro 3	223.597	208.337
Passenger Cars	Diesel	Small	Euro 4	131.817	180.043
Passenger Cars	Diesel	Small	Euro 5	56.806	63.000
Passenger Cars	Diesel	Small	Euro 6 up to 2016	23.409	22.822
Passenger Cars	Diesel	Small	Euro 6 2017-2019	11.607	22.253
Passenger Cars	Diesel	Small	Euro 6 2020+	0.000	0.000
Passenger Cars	Diesel	Medium	Conventional	0.000	0.000
Passenger Cars	Diesel	Medium	Euro 1	0.000	0.000
Passenger Cars	Diesel	Medium	Euro 2	0.000	0.000
Passenger Cars	Diesel	Medium	Euro 3	0.000	0.000
Passenger Cars	Diesel	Medium	Euro 4	0.000	0.000
Passenger Cars	Diesel	Medium	Euro 5	0.000	0.000
Passenger Cars	Diesel	Medium	Euro 6 up to 2016	0.000	0.000
Passenger Cars	Diesel	Medium	Euro 6 2017-2019	0.000	0.000
Passenger Cars	Diesel	Medium	Euro 6 2020+	0.000	0.000
Passenger Cars	Diesel	Large-SUV-Executive	Conventional	2.891	2.302
Passenger Cars	Diesel	Large-SUV-Executive	Euro 1	7.550	6.542
Passenger Cars	Diesel	Large-SUV-Executive	Euro 2	42.897	37.172

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Passenger Cars	Diesel	Large-SUV-Executive	Euro 3	94.720	85.077
Passenger Cars	Diesel	Large-SUV-Executive	Euro 4	51.170	61.131
Passenger Cars	Diesel	Large-SUV-Executive	Euro 5	21.770	25.036
Passenger Cars	Diesel	Large-SUV-Executive	Euro 6 up to 2016	5.861	6.526
Passenger Cars	Diesel	Large-SUV-Executive	Euro 6 2017-2019	0.000	0.000
Passenger Cars	Diesel	Large-SUV-Executive	Euro 6 2020+	0.000	0.000
Passenger Cars	Petrol Hybrid	Mini	Euro 4	0.000	0.000
Passenger Cars	Petrol Hybrid	Mini	Euro 5	0.000	0.000
Passenger Cars	Petrol Hybrid	Mini	Euro 6 up to 2016	0.004	0.004
Passenger Cars	Petrol Hybrid	Mini	Euro 6 2017-2019	0.000	0.000
Passenger Cars	Petrol Hybrid	Mini	Euro 6 2020+	0.000	0.000
Passenger Cars	Petrol Hybrid	Small	Euro 4	0.000	0.000
Passenger Cars	Petrol Hybrid	Small	Euro 5	0.000	0.000
Passenger Cars	Petrol Hybrid	Small	Euro 6 up to 2016	0.000	0.000
Passenger Cars	Petrol Hybrid	Small	Euro 6 2017-2019	0.000	0.000
Passenger Cars	Petrol Hybrid	Small	Euro 6 2020+	0.000	0.000
Passenger Cars	Petrol Hybrid	Medium	Euro 4	0.000	0.000
Passenger Cars	Petrol Hybrid	Medium	Euro 5	0.000	0.000
Passenger Cars	Petrol Hybrid	Medium	Euro 6 up to 2016	0.000	0.000
Passenger Cars	Petrol Hybrid	Medium	Euro 6 2017-2019	0.000	0.000
Passenger Cars	Petrol Hybrid	Medium	Euro 6 2020+	0.000	0.000
Passenger Cars	Petrol Hybrid	Large-SUV-Executive	Euro 4	0.000	0.000
Passenger Cars	Petrol Hybrid	Large-SUV-Executive	Euro 5	0.000	0.000
Passenger Cars	Petrol Hybrid	Large-SUV-Executive	Euro 6 up to 2016	0.010	0.008
Passenger Cars	Petrol Hybrid	Large-SUV-Executive	Euro 6 2017-2019	0.000	0.000
Passenger Cars	Petrol Hybrid	Large-SUV-Executive	Euro 6 2020+	0.000	0.000
Passenger Cars	LPG Bifuel	Mini	Euro 4	0.000	0.000
Passenger Cars	LPG Bifuel	Mini	Euro 5	0.000	0.000

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Passenger Cars	LPG Bifuel	Mini	Euro 6	0.000	0.000
Passenger Cars	LPG Bifuel	Small	Conventional	16.820	14.921
Passenger Cars	LPG Bifuel	Small	Euro 1	23.887	22.294
Passenger Cars	LPG Bifuel	Small	Euro 2	46.481	46.439
Passenger Cars	LPG Bifuel	Small	Euro 3	31.250	32.682
Passenger Cars	LPG Bifuel	Small	Euro 4	33.723	40.040
Passenger Cars	LPG Bifuel	Small	Euro 5	5.154	6.048
Passenger Cars	LPG Bifuel	Small	Euro 6	1.097	1.715
Passenger Cars	LPG Bifuel	Medium	Conventional	0.000	0.000
Passenger Cars	LPG Bifuel	Medium	Euro 1	0.000	0.000
Passenger Cars	LPG Bifuel	Medium	Euro 2	0.000	0.000
Passenger Cars	LPG Bifuel	Medium	Euro 3	0.000	0.000
Passenger Cars	LPG Bifuel	Medium	Euro 4	0.000	0.000
Passenger Cars	LPG Bifuel	Medium	Euro 5	0.000	0.000
Passenger Cars	LPG Bifuel	Medium	Euro 6	0.000	0.000
Passenger Cars	LPG Bifuel	Large-SUV-Executive	Conventional	0.000	0.000
Passenger Cars	LPG Bifuel	Large-SUV-Executive	Euro 1	0.000	0.000
Passenger Cars	LPG Bifuel	Large-SUV-Executive	Euro 2	0.000	0.000
Passenger Cars	LPG Bifuel	Large-SUV-Executive	Euro 3	0.000	0.000
Passenger Cars	LPG Bifuel	Large-SUV-Executive	Euro 4	0.000	0.000
Passenger Cars	LPG Bifuel	Large-SUV-Executive	Euro 5	0.000	0.000
Passenger Cars	LPG Bifuel	Large-SUV-Executive	Euro 6	0.000	0.000
Passenger Cars	CNG Bifuel	Mini	Euro 4	0.000	0.000
Passenger Cars	CNG Bifuel	Mini	Euro 5	0.000	0.000
Passenger Cars	CNG Bifuel	Mini	Euro 6	0.000	0.000
Passenger Cars	CNG Bifuel	Small	Euro 4	0.000	0.000
Passenger Cars	CNG Bifuel	Small	Euro 5	0.000	0.000

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Passenger Cars	CNG Bifuel	Small	Euro 6	0.000	0.000
Passenger Cars	CNG Bifuel	Medium	Euro 4	0.000	0.000
Passenger Cars	CNG Bifuel	Medium	Euro 5	0.000	0.000
Passenger Cars	CNG Bifuel	Medium	Euro 6	0.000	0.000
Passenger Cars	CNG Bifuel	Large-SUV-Executive	Euro 4	0.000	0.000
Passenger Cars	CNG Bifuel	Large-SUV-Executive	Euro 5	0.000	0.000
Passenger Cars	CNG Bifuel	Large-SUV-Executive	Euro 6	0.000	0.000
Light Commercial Vehicles	Petrol	N1-I	Conventional	0.294	0.215
Light Commercial Vehicles	Petrol	N1-I	Euro 1	0.628	0.479
Light Commercial Vehicles	Petrol	N1-I	Euro 2	0.934	0.784
Light Commercial Vehicles	Petrol	N1-I	Euro 3	0.856	0.764
Light Commercial Vehicles	Petrol	N1-I	Euro 4	3.570	2.840
Light Commercial Vehicles	Petrol	N1-I	Euro 5	2.494	2.531
Light Commercial Vehicles	Petrol	N1-I	Euro 6 up to 2016	0.840	0.748
Light Commercial Vehicles	Petrol	N1-I	Euro 6 2017-2019	0.780	1.500
Light Commercial Vehicles	Petrol	N1-I	Euro 6 2020+	0.000	0.000
Light Commercial Vehicles	Petrol	N1-II	Conventional	0.167	0.108
Light Commercial Vehicles	Petrol	N1-II	Euro 1	0.306	0.238
Light Commercial Vehicles	Petrol	N1-II	Euro 2	0.700	0.508
Light Commercial Vehicles	Petrol	N1-II	Euro 3	0.899	0.763
Light Commercial Vehicles	Petrol	N1-II	Euro 4	2.175	1.901
Light Commercial Vehicles	Petrol	N1-II	Euro 5	0.383	0.371
Light Commercial Vehicles	Petrol	N1-II	Euro 6 up to 2017	0.060	0.051
Light Commercial Vehicles	Petrol	N1-II	Euro 6 2018-2020	0.000	0.000
Light Commercial Vehicles	Petrol	N1-II	Euro 6 2021+	0.000	0.000
Light Commercial Vehicles	Petrol	N1-III	Conventional	0.828	0.642
Light Commercial Vehicles	Petrol	N1-III	Euro 1	0.317	0.253

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Light Commercial Vehicles	Petrol	N1-III	Euro 2	0.908	0.725
Light Commercial Vehicles	Petrol	N1-III	Euro 3	1.505	1.284
Light Commercial Vehicles	Petrol	N1-III	Euro 4	2.952	2.513
Light Commercial Vehicles	Petrol	N1-III	Euro 5	0.320	0.295
Light Commercial Vehicles	Petrol	N1-III	Euro 6 up to 2017	0.050	0.054
Light Commercial Vehicles	Petrol	N1-III	Euro 6 2018-2020	0.000	0.006
Light Commercial Vehicles	Petrol	N1-III	Euro 6 2021+	0.000	0.000
Light Commercial Vehicles	Diesel	N1-I	Conventional	0.459	0.331
Light Commercial Vehicles	Diesel	N1-I	Euro 1	1.436	1.209
Light Commercial Vehicles	Diesel	N1-I	Euro 2	3.414	2.883
Light Commercial Vehicles	Diesel	N1-I	Euro 3	5.326	4.655
Light Commercial Vehicles	Diesel	N1-I	Euro 4	6.072	5.853
Light Commercial Vehicles	Diesel	N1-I	Euro 5	7.458	7.364
Light Commercial Vehicles	Diesel	N1-I	Euro 6 up to 2016	2.528	2.293
Light Commercial Vehicles	Diesel	N1-I	Euro 6 2017-2019	1.162	1.973
Light Commercial Vehicles	Diesel	N1-I	Euro 6 2020+	0.000	0.000
Light Commercial Vehicles	Diesel	N1-II	Conventional	1.307	0.940
Light Commercial Vehicles	Diesel	N1-II	Euro 1	2.431	2.050
Light Commercial Vehicles	Diesel	N1-II	Euro 2	4.518	3.900
Light Commercial Vehicles	Diesel	N1-II	Euro 3	7.541	6.602
Light Commercial Vehicles	Diesel	N1-II	Euro 4	11.444	12.128
Light Commercial Vehicles	Diesel	N1-II	Euro 5	10.698	10.751
Light Commercial Vehicles	Diesel	N1-II	Euro 6 up to 2017	8.202	8.046
Light Commercial Vehicles	Diesel	N1-II	Euro 6 2018-2020	0.000	2.349
Light Commercial Vehicles	Diesel	N1-II	Euro 6 2021+	0.000	0.000
Light Commercial Vehicles	Diesel	N1-III	Conventional	9.663	7.985
Light Commercial Vehicles	Diesel	N1-III	Euro 1	3.683	3.011

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Light Commercial Vehicles	Diesel	N1-III	Euro 2	9.451	8.104
Light Commercial Vehicles	Diesel	N1-III	Euro 3	20.365	17.660
Light Commercial Vehicles	Diesel	N1-III	Euro 4	31.062	31.686
Light Commercial Vehicles	Diesel	N1-III	Euro 5	14.826	15.640
Light Commercial Vehicles	Diesel	N1-III	Euro 6 up to 2017	8.364	8.415
Light Commercial Vehicles	Diesel	N1-III	Euro 6 2018-2020	0.000	2.618
Light Commercial Vehicles	Diesel	N1-III	Euro 6 2021+	0.000	0.000
Heavy Duty Trucks	Petrol	>3,5 t	Conventional	1.673	1.474
Heavy Duty Trucks	Diesel	Rigid <=7,5 t	Conventional	2.454	2.153
Heavy Duty Trucks	Diesel	Rigid <=7,5 t	Euro I	0.922	0.907
Heavy Duty Trucks	Diesel	Rigid <=7,5 t	Euro II	3.503	3.212
Heavy Duty Trucks	Diesel	Rigid <=7,5 t	Euro III	5.463	4.623
Heavy Duty Trucks	Diesel	Rigid <=7,5 t	Euro IV	3.117	3.332
Heavy Duty Trucks	Diesel	Rigid <=7,5 t	Euro V	3.712	4.227
Heavy Duty Trucks	Diesel	Rigid <=7,5 t	Euro VI	1.361	2.089
Heavy Duty Trucks	Diesel	Rigid 7,5 - 12 t	Conventional	7.593	6.247
Heavy Duty Trucks	Diesel	Rigid 7,5 - 12 t	Euro I	2.138	1.956
Heavy Duty Trucks	Diesel	Rigid 7,5 - 12 t	Euro II	4.588	4.011
Heavy Duty Trucks	Diesel	Rigid 7,5 - 12 t	Euro III	8.270	8.010
Heavy Duty Trucks	Diesel	Rigid 7,5 - 12 t	Euro IV	5.817	6.971
Heavy Duty Trucks	Diesel	Rigid 7,5 - 12 t	Euro V	5.804	7.561
Heavy Duty Trucks	Diesel	Rigid 7,5 - 12 t	Euro VI	1.728	2.470
Heavy Duty Trucks	Diesel	Rigid 12 - 14 t	Conventional	10.993	8.505
Heavy Duty Trucks	Diesel	Rigid 12 - 14 t	Euro I	1.038	0.736
Heavy Duty Trucks	Diesel	Rigid 12 - 14 t	Euro II	1.010	1.019
Heavy Duty Trucks	Diesel	Rigid 12 - 14 t	Euro III	2.490	1.710
Heavy Duty Trucks	Diesel	Rigid 12 - 14 t	Euro IV	1.641	1.215

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Heavy Duty Trucks	Diesel	Rigid 12 - 14 t	Euro V	2.372	1.473
Heavy Duty Trucks	Diesel	Rigid 12 - 14 t	Euro VI	0.552	0.404
Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Conventional	15.593	12.999
Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Euro I	3.946	3.644
Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Euro II	7.272	6.056
Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Euro III	11.783	10.436
Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Euro IV	7.565	7.949
Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Euro V	7.635	8.255
Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Euro VI	3.447	3.768
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Conventional	12.727	11.459
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Euro I	3.755	3.414
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Euro II	7.540	7.968
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Euro III	14.497	14.185
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Euro IV	9.508	10.178
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Euro V	9.904	11.251
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Euro VI	3.217	5.899
Heavy Duty Trucks	Diesel	Rigid 26 - 28 t	Conventional	0.559	0.480
Heavy Duty Trucks	Diesel	Rigid 26 - 28 t	Euro I	0.431	0.326
Heavy Duty Trucks	Diesel	Rigid 26 - 28 t	Euro II	0.519	0.639
Heavy Duty Trucks	Diesel	Rigid 26 - 28 t	Euro III	1.492	1.283
Heavy Duty Trucks	Diesel	Rigid 26 - 28 t	Euro IV	1.296	0.885
Heavy Duty Trucks	Diesel	Rigid 26 - 28 t	Euro V	0.945	1.211
Heavy Duty Trucks	Diesel	Rigid 26 - 28 t	Euro VI	0.664	0.649
Heavy Duty Trucks	Diesel	Rigid 28 - 32 t	Conventional	1.624	1.581
Heavy Duty Trucks	Diesel	Rigid 28 - 32 t	Euro I	1.015	1.060
Heavy Duty Trucks	Diesel	Rigid 28 - 32 t	Euro II	5.289	4.471
Heavy Duty Trucks	Diesel	Rigid 28 - 32 t	Euro III	10.002	9.292

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Heavy Duty Trucks	Diesel	Rigid 28 - 32 t	Euro IV	8.922	9.065
Heavy Duty Trucks	Diesel	Rigid 28 - 32 t	Euro V	7.086	7.404
Heavy Duty Trucks	Diesel	Rigid 28 - 32 t	Euro VI	2.717	5.123
Heavy Duty Trucks	Diesel	Rigid >32 t	Conventional	1.475	0.630
Heavy Duty Trucks	Diesel	Rigid >32 t	Euro I	0.935	0.766
Heavy Duty Trucks	Diesel	Rigid >32 t	Euro II	3.472	3.697
Heavy Duty Trucks	Diesel	Rigid >32 t	Euro III	6.605	6.258
Heavy Duty Trucks	Diesel	Rigid >32 t	Euro IV	6.023	6.597
Heavy Duty Trucks	Diesel	Rigid >32 t	Euro V	7.000	6.357
Heavy Duty Trucks	Diesel	Rigid >32 t	Euro VI	8.517	9.147
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Conventional	1.436	0.948
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro I	1.176	0.905
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro II	11.312	7.921
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro III	37.220	30.294
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro IV	49.525	42.143
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro V	54.269	50.250
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro VI	42.491	51.543
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t	Conventional	0.602	0.487
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t	Euro I	0.572	0.317
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t	Euro II	1.362	1.067
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t	Euro III	4.174	3.221
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t	Euro IV	13.672	11.242
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t	Euro V	16.838	16.148
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t	Euro VI	16.776	18.916
Heavy Duty Trucks	Diesel	Articulated 28 - 34 t	Conventional	0.041	0.039
Heavy Duty Trucks	Diesel	Articulated 28 - 34 t	Euro I	0.241	0.260
Heavy Duty Trucks	Diesel	Articulated 28 - 34 t	Euro II	0.714	0.577

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Heavy Duty Trucks	Diesel	Articulated 28 - 34 t	Euro III	0.207	0.287
Heavy Duty Trucks	Diesel	Articulated 28 - 34 t	Euro IV	1.190	1.047
Heavy Duty Trucks	Diesel	Articulated 28 - 34 t	Euro V	1.540	1.600
Heavy Duty Trucks	Diesel	Articulated 28 - 34 t	Euro VI	2.173	2.856
Heavy Duty Trucks	Diesel	Articulated 34 - 40 t	Conventional	0.143	0.089
Heavy Duty Trucks	Diesel	Articulated 34 - 40 t	Euro I	0.429	0.179
Heavy Duty Trucks	Diesel	Articulated 34 - 40 t	Euro II	0.106	0.199
Heavy Duty Trucks	Diesel	Articulated 34 - 40 t	Euro III	0.749	0.586
Heavy Duty Trucks	Diesel	Articulated 34 - 40 t	Euro IV	2.552	2.478
Heavy Duty Trucks	Diesel	Articulated 34 - 40 t	Euro V	4.955	4.854
Heavy Duty Trucks	Diesel	Articulated 34 - 40 t	Euro VI	5.071	4.379
Heavy Duty Trucks	Diesel	Articulated 40 - 50 t	Conventional	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 40 - 50 t	Euro I	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 40 - 50 t	Euro II	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 40 - 50 t	Euro III	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 40 - 50 t	Euro IV	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 40 - 50 t	Euro V	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 40 - 50 t	Euro VI	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 50 - 60 t	Conventional	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 50 - 60 t	Euro I	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 50 - 60 t	Euro II	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 50 - 60 t	Euro III	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 50 - 60 t	Euro IV	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 50 - 60 t	Euro V	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 50 - 60 t	Euro VI	0.000	0.000
Buses	Diesel	Urban Buses Midi <=15 t	Conventional	0.578	0.082
Buses	Diesel	Urban Buses Midi <=15 t	Euro I	0.016	0.015

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Buses	Diesel	Urban Buses Midi <=15 t	Euro II	0.085	0.128
Buses	Diesel	Urban Buses Midi <=15 t	Euro III	0.083	0.078
Buses	Diesel	Urban Buses Midi <=15 t	Euro IV	0.000	0.000
Buses	Diesel	Urban Buses Midi <=15 t	Euro V	0.738	0.737
Buses	Diesel	Urban Buses Midi <=15 t	Euro VI	0.000	0.000
Buses	Diesel	Urban Buses Standard 15 - 18 t	Conventional	1.642	1.187
Buses	Diesel	Urban Buses Standard 15 - 18 t	Euro I	1.289	0.992
Buses	Diesel	Urban Buses Standard 15 - 18 t	Euro II	3.261	2.996
Buses	Diesel	Urban Buses Standard 15 - 18 t	Euro III	0.361	0.365
Buses	Diesel	Urban Buses Standard 15 - 18 t	Euro IV	0.000	0.000
Buses	Diesel	Urban Buses Standard 15 - 18 t	Euro V	9.134	8.061
Buses	Diesel	Urban Buses Standard 15 - 18 t	Euro VI	0.000	0.000
Buses	Diesel	Urban Buses Articulated >18 t	Conventional	0.109	0.077
Buses	Diesel	Urban Buses Articulated >18 t	Euro I	0.027	0.025
Buses	Diesel	Urban Buses Articulated >18 t	Euro II	0.295	0.249
Buses	Diesel	Urban Buses Articulated >18 t	Euro III	1.012	0.851
Buses	Diesel	Urban Buses Articulated >18 t	Euro IV	0.040	0.000
Buses	Diesel	Urban Buses Articulated >18 t	Euro V	0.000	0.000
Buses	Diesel	Urban Buses Articulated >18 t	Euro VI	0.000	0.000
Buses	Diesel	Coaches Standard <=18 t	Conventional	1.046	1.075
Buses	Diesel	Coaches Standard <=18 t	Euro I	0.578	0.572
Buses	Diesel	Coaches Standard <=18 t	Euro II	6.021	5.054
Buses	Diesel	Coaches Standard <=18 t	Euro III	9.060	8.186
Buses	Diesel	Coaches Standard <=18 t	Euro IV	3.145	3.330
Buses	Diesel	Coaches Standard <=18 t	Euro V	3.910	5.118
Buses	Diesel	Coaches Standard <=18 t	Euro VI	0.859	1.057
Buses	Diesel	Coaches Articulated >18 t	Conventional	0.061	0.023

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Buses	Diesel	Coaches Articulated >18 t	Euro I	0.222	0.197
Buses	Diesel	Coaches Articulated >18 t	Euro II	3.257	2.887
Buses	Diesel	Coaches Articulated >18 t	Euro III	4.593	4.025
Buses	Diesel	Coaches Articulated >18 t	Euro IV	2.107	2.421
Buses	Diesel	Coaches Articulated >18 t	Euro V	1.834	2.633
Buses	Diesel	Coaches Articulated >18 t	Euro VI	0.190	0.343
Buses	CNG	Urban CNG Buses	Euro I	0.113	0.262
Buses	CNG	Urban CNG Buses	Euro II	0.045	0.211
Buses	CNG	Urban CNG Buses	Euro III	0.239	0.853
Buses	CNG	Urban CNG Buses	EEV	0.110	0.365
Buses	Biodiesel	Urban Biodiesel Buses	Conventional	0.000	0.000
Buses	Biodiesel	Urban Biodiesel Buses	Euro I	0.000	0.000
Buses	Biodiesel	Urban Biodiesel Buses	Euro II	0.000	0.000
Buses	Biodiesel	Urban Biodiesel Buses	Euro III	0.000	0.000
Buses	Biodiesel	Urban Biodiesel Buses	Euro IV	0.000	0.000
Buses	Biodiesel	Urban Biodiesel Buses	Euro V	0.000	0.000
Buses	Biodiesel	Urban Biodiesel Buses	Euro VI	0.000	0.000
L-Category	Petrol	Mopeds 2-stroke <50 cm ³	Conventional	0.098	0.058
L-Category	Petrol	Mopeds 2-stroke <50 cm ³	Euro 1	0.045	0.017
L-Category	Petrol	Mopeds 2-stroke <50 cm ³	Euro 2	0.085	0.065
L-Category	Petrol	Mopeds 2-stroke <50 cm ³	Euro 3	0.396	0.333
L-Category	Petrol	Mopeds 2-stroke <50 cm ³	Euro 4	0.000	0.000
L-Category	Petrol	Mopeds 2-stroke <50 cm ³	Euro 5	0.000	0.000
L-Category	Petrol	Mopeds 4-stroke <50 cm ³	Conventional	0.000	0.000
L-Category	Petrol	Mopeds 4-stroke <50 cm ³	Euro 1	0.000	0.000
L-Category	Petrol	Mopeds 4-stroke <50 cm ³	Euro 2	0.000	0.001
L-Category	Petrol	Mopeds 4-stroke <50 cm ³	Euro 3	0.063	0.056
L-Category	Petrol	Mopeds 4-stroke <50 cm ³	Euro 4	0.000	0.000
L-Category	Petrol	Mopeds 4-stroke <50 cm ³	Euro 5	0.000	0.000
L-Category	Petrol	Motorcycles 2-stroke >50 cm ³	Conventional	0.007	0.010
L-Category	Petrol	Motorcycles 2-stroke >50 cm ³	Euro 1	0.002	0.002

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

L-Category	Petrol	Motorcycles 2-stroke >50 cm ³	Euro 2	0.005	0.004
L-Category	Petrol	Motorcycles 2-stroke >50 cm ³	Euro 3	0.013	0.017
L-Category	Petrol	Motorcycles 2-stroke >50 cm ³	Euro 4	0.000	0.001
L-Category	Petrol	Motorcycles 2-stroke >50 cm ³	Euro 5	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke <250 cm ³	Conventional	0.094	0.033
L-Category	Petrol	Motorcycles 4-stroke <250 cm ³	Euro 1	0.041	0.021
L-Category	Petrol	Motorcycles 4-stroke <250 cm ³	Euro 2	0.125	0.106
L-Category	Petrol	Motorcycles 4-stroke <250 cm ³	Euro 3	0.237	0.210
L-Category	Petrol	Motorcycles 4-stroke <250 cm ³	Euro 4	0.089	0.133
L-Category	Petrol	Motorcycles 4-stroke <250 cm ³	Euro 5	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke 250 - 750 cm ³	Conventional	0.103	0.062
L-Category	Petrol	Motorcycles 4-stroke 250 - 750 cm ³	Euro 1	0.055	0.031
L-Category	Petrol	Motorcycles 4-stroke 250 - 750 cm ³	Euro 2	0.086	0.064
L-Category	Petrol	Motorcycles 4-stroke 250 - 750 cm ³	Euro 3	0.386	0.316
L-Category	Petrol	Motorcycles 4-stroke 250 - 750 cm ³	Euro 4	0.140	0.179
L-Category	Petrol	Motorcycles 4-stroke 250 - 750 cm ³	Euro 5	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke >750 cm ³	Conventional	0.047	0.029
L-Category	Petrol	Motorcycles 4-stroke >750 cm ³	Euro 1	0.031	0.021
L-Category	Petrol	Motorcycles 4-stroke >750 cm ³	Euro 2	0.042	0.035
L-Category	Petrol	Motorcycles 4-stroke >750 cm ³	Euro 3	0.188	0.159
L-Category	Petrol	Motorcycles 4-stroke >750 cm ³	Euro 4	0.086	0.103
L-Category	Petrol	Motorcycles 4-stroke >750 cm ³	Euro 5	0.000	0.000
L-Category	Petrol	Quad & ATVs	Euro 1	0.000	0.000
L-Category	Petrol	Quad & ATVs	Euro 2	0.000	0.000
L-Category	Petrol	Quad & ATVs	Euro 3	0.000	0.000
L-Category	Petrol	Quad & ATVs	Euro 4	0.000	0.000
L-Category	Petrol	Quad & ATVs	Euro 5	0.000	0.000
L-Category	Diesel	Micro-car	Euro 1	0.000	0.000
L-Category	Diesel	Micro-car	Euro 2	0.000	0.000
L-Category	Diesel	Micro-car	Euro 3	0.000	0.000

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

L-Category	Diesel	Micro-car	Euro 4	0.000	0.000
L-Category	Diesel	Micro-car	Euro 5	0.000	0.000
				2,152.4	2,144.8

Category	Fuel	Segment	Euro Standard	2017	2018
Passenger Cars	Petrol	Mini	Euro 4	0.001	0.001
Passenger Cars	Petrol	Mini	Euro 5	0.000	0.000
Passenger Cars	Petrol	Mini	Euro 6 up to 2016	0.000	0.000
Passenger Cars	Petrol	Mini	Euro 6 2017-2019	0.000	0.000
Passenger Cars	Petrol	Mini	Euro 6 2020+	0.000	0.000
Passenger Cars	Petrol	Small	PRE ECE	0.000	0.000
Passenger Cars	Petrol	Small	ECE 15/00-01	0.000	0.000
Passenger Cars	Petrol	Small	ECE 15/02	0.000	0.000
Passenger Cars	Petrol	Small	ECE 15/03	0.001	0.001
Passenger Cars	Petrol	Small	ECE 15/04	0.004	0.003
Passenger Cars	Petrol	Small	Improved Conventional	0.000	0.000
Passenger Cars	Petrol	Small	Open Loop	0.000	0.000
Passenger Cars	Petrol	Small	Euro 1	0.002	0.002
Passenger Cars	Petrol	Small	Euro 2	0.008	0.008
Passenger Cars	Petrol	Small	Euro 3	0.003	0.003
Passenger Cars	Petrol	Small	Euro 4	0.005	0.005
Passenger Cars	Petrol	Small	Euro 5	0.001	0.001
Passenger Cars	Petrol	Small	Euro 6 up to 2016	0.000	0.000
Passenger Cars	Petrol	Small	Euro 6 2017-2019	0.000	0.001
Passenger Cars	Petrol	Small	Euro 6 2020+	0.000	0.000
Passenger Cars	Petrol	Medium	PRE ECE	0.000	0.000
Passenger Cars	Petrol	Medium	ECE 15/00-01	0.000	0.000
Passenger Cars	Petrol	Medium	ECE 15/02	0.000	0.000
Passenger Cars	Petrol	Medium	ECE 15/03	0.000	0.000
Passenger Cars	Petrol	Medium	ECE 15/04	0.002	0.001
Passenger Cars	Petrol	Medium	Improved Conventional	0.000	0.000
Passenger Cars	Petrol	Medium	Open Loop	0.000	0.000
Passenger Cars	Petrol	Medium	Euro 1	0.001	0.001
Passenger Cars	Petrol	Medium	Euro 2	0.004	0.004
Passenger Cars	Petrol	Medium	Euro 3	0.002	0.002
Passenger Cars	Petrol	Medium	Euro 4	0.001	0.001
Passenger Cars	Petrol	Medium	Euro 5	0.001	0.001
Passenger Cars	Petrol	Medium	Euro 6 up to 2016	0.000	0.000
Passenger Cars	Petrol	Medium	Euro 6 2017-2019	0.000	0.001

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Passenger Cars	Petrol	Medium	Euro 6 2020+	0.000	0.000
Passenger Cars	Petrol	Large-SUV-Executive	PRE ECE	0.000	0.000
Passenger Cars	Petrol	Large-SUV-Executive	ECE 15/00-01	0.000	0.000
Passenger Cars	Petrol	Large-SUV-Executive	ECE 15/02	0.000	0.000
Passenger Cars	Petrol	Large-SUV-Executive	ECE 15/03	0.000	0.000
Passenger Cars	Petrol	Large-SUV-Executive	ECE 15/04	0.000	0.000
Passenger Cars	Petrol	Large-SUV-Executive	Euro 1	0.000	0.000
Passenger Cars	Petrol	Large-SUV-Executive	Euro 2	0.000	0.000
Passenger Cars	Petrol	Large-SUV-Executive	Euro 3	0.000	0.000
Passenger Cars	Petrol	Large-SUV-Executive	Euro 4	0.000	0.000
Passenger Cars	Petrol	Large-SUV-Executive	Euro 5	0.000	0.000
Passenger Cars	Petrol	Large-SUV-Executive	Euro 6 up to 2016	0.000	0.000
Passenger Cars	Petrol	Large-SUV-Executive	Euro 6 2017-2019	0.000	0.000
Passenger Cars	Petrol	Large-SUV-Executive	Euro 6 2020+	0.000	0.000
Passenger Cars	Petrol	2-Stroke	Conventional	0.000	0.000
Passenger Cars	Diesel	Mini	Euro 4	0.000	0.000
Passenger Cars	Diesel	Mini	Euro 5	0.000	0.000
Passenger Cars	Diesel	Mini	Euro 6 up to 2016	0.000	0.000
Passenger Cars	Diesel	Mini	Euro 6 2017-2019	0.000	0.000
Passenger Cars	Diesel	Mini	Euro 6 2020+	0.000	0.000
Passenger Cars	Diesel	Small	Conventional	0.001	0.001
Passenger Cars	Diesel	Small	Euro 1	0.002	0.002
Passenger Cars	Diesel	Small	Euro 2	0.003	0.003
Passenger Cars	Diesel	Small	Euro 3	0.002	0.001
Passenger Cars	Diesel	Small	Euro 4	0.000	0.000
Passenger Cars	Diesel	Small	Euro 5	0.000	0.000
Passenger Cars	Diesel	Small	Euro 6 up to 2016	0.000	0.000
Passenger Cars	Diesel	Small	Euro 6 2017-2019	0.000	0.000
Passenger Cars	Diesel	Small	Euro 6 2020+	0.000	0.000
Passenger Cars	Diesel	Medium	Conventional	0.000	0.000
Passenger Cars	Diesel	Medium	Euro 1	0.000	0.000
Passenger Cars	Diesel	Medium	Euro 2	0.000	0.000
Passenger Cars	Diesel	Medium	Euro 3	0.000	0.000
Passenger Cars	Diesel	Medium	Euro 4	0.000	0.000
Passenger Cars	Diesel	Medium	Euro 5	0.000	0.000
Passenger Cars	Diesel	Medium	Euro 6 up to 2016	0.000	0.000
Passenger Cars	Diesel	Medium	Euro 6 2017-2019	0.000	0.000
Passenger Cars	Diesel	Medium	Euro 6 2020+	0.000	0.000
Passenger Cars	Diesel	Large-SUV-Executive	Conventional	0.000	0.000
Passenger Cars	Diesel	Large-SUV-Executive	Euro 1	0.000	0.000

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Passenger Cars	Diesel	Large-SUV-Executive	Euro 2	0.001	0.001
Passenger Cars	Diesel	Large-SUV-Executive	Euro 3	0.000	0.000
Passenger Cars	Diesel	Large-SUV-Executive	Euro 4	0.000	0.000
Passenger Cars	Diesel	Large-SUV-Executive	Euro 5	0.000	0.000
Passenger Cars	Diesel	Large-SUV-Executive	Euro 6 up to 2016	0.000	0.000
Passenger Cars	Diesel	Large-SUV-Executive	Euro 6 2017-2019	0.000	0.000
Passenger Cars	Diesel	Large-SUV-Executive	Euro 6 2020+	0.000	0.000
Passenger Cars	Petrol Hybrid	Mini	Euro 4	0.000	0.000
Passenger Cars	Petrol Hybrid	Mini	Euro 5	0.000	0.000
Passenger Cars	Petrol Hybrid	Mini	Euro 6 up to 2016	0.000	0.000
Passenger Cars	Petrol Hybrid	Mini	Euro 6 2017-2019	0.000	0.000
Passenger Cars	Petrol Hybrid	Mini	Euro 6 2020+	0.000	0.000
Passenger Cars	Petrol Hybrid	Small	Euro 4	0.000	0.000
Passenger Cars	Petrol Hybrid	Small	Euro 5	0.000	0.000
Passenger Cars	Petrol Hybrid	Small	Euro 6 up to 2016	0.000	0.000
Passenger Cars	Petrol Hybrid	Small	Euro 6 2017-2019	0.000	0.000
Passenger Cars	Petrol Hybrid	Small	Euro 6 2020+	0.000	0.000
Passenger Cars	Petrol Hybrid	Medium	Euro 4	0.000	0.000
Passenger Cars	Petrol Hybrid	Medium	Euro 5	0.000	0.000
Passenger Cars	Petrol Hybrid	Medium	Euro 6 up to 2016	0.000	0.000
Passenger Cars	Petrol Hybrid	Medium	Euro 6 2017-2019	0.000	0.000
Passenger Cars	Petrol Hybrid	Medium	Euro 6 2020+	0.000	0.000
Passenger Cars	Petrol Hybrid	Large-SUV-Executive	Euro 4	0.000	0.000
Passenger Cars	Petrol Hybrid	Large-SUV-Executive	Euro 5	0.000	0.000
Passenger Cars	Petrol Hybrid	Large-SUV-Executive	Euro 6 up to 2016	0.000	0.000
Passenger Cars	Petrol Hybrid	Large-SUV-Executive	Euro 6 2017-2019	0.000	0.000
Passenger Cars	Petrol Hybrid	Large-SUV-Executive	Euro 6 2020+	0.000	0.000
Passenger Cars	LPG Bifuel	Mini	Euro 4	0.000	0.000
Passenger Cars	LPG Bifuel	Mini	Euro 5	0.000	0.000

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Passenger Cars	LPG Bifuel	Mini	Euro 6	0.000	0.000
Passenger Cars	LPG Bifuel	Small	Conventional	0.005	0.005
Passenger Cars	LPG Bifuel	Small	Euro 1	0.007	0.007
Passenger Cars	LPG Bifuel	Small	Euro 2	0.007	0.007
Passenger Cars	LPG Bifuel	Small	Euro 3	0.004	0.004
Passenger Cars	LPG Bifuel	Small	Euro 4	0.004	0.005
Passenger Cars	LPG Bifuel	Small	Euro 5	0.001	0.001
Passenger Cars	LPG Bifuel	Small	Euro 6	0.000	0.000
Passenger Cars	LPG Bifuel	Medium	Conventional	0.000	0.000
Passenger Cars	LPG Bifuel	Medium	Euro 1	0.000	0.000
Passenger Cars	LPG Bifuel	Medium	Euro 2	0.000	0.000
Passenger Cars	LPG Bifuel	Medium	Euro 3	0.000	0.000
Passenger Cars	LPG Bifuel	Medium	Euro 4	0.000	0.000
Passenger Cars	LPG Bifuel	Medium	Euro 5	0.000	0.000
Passenger Cars	LPG Bifuel	Medium	Euro 6	0.000	0.000
Passenger Cars	LPG Bifuel	Large-SUV-Executive	Conventional	0.000	0.000
Passenger Cars	LPG Bifuel	Large-SUV-Executive	Euro 1	0.000	0.000
Passenger Cars	LPG Bifuel	Large-SUV-Executive	Euro 2	0.000	0.000
Passenger Cars	LPG Bifuel	Large-SUV-Executive	Euro 3	0.000	0.000
Passenger Cars	LPG Bifuel	Large-SUV-Executive	Euro 4	0.000	0.000
Passenger Cars	LPG Bifuel	Large-SUV-Executive	Euro 5	0.000	0.000
Passenger Cars	LPG Bifuel	Large-SUV-Executive	Euro 6	0.000	0.000
Passenger Cars	CNG Bifuel	Mini	Euro 4	0.000	0.000
Passenger Cars	CNG Bifuel	Mini	Euro 5	0.000	0.000
Passenger Cars	CNG Bifuel	Mini	Euro 6	0.000	0.000
Passenger Cars	CNG Bifuel	Small	Euro 4	0.000	0.000
Passenger Cars	CNG Bifuel	Small	Euro 5	0.000	0.000

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Passenger Cars	CNG Bifuel	Small	Euro 6	0.000	0.000
Passenger Cars	CNG Bifuel	Medium	Euro 4	0.000	0.000
Passenger Cars	CNG Bifuel	Medium	Euro 5	0.000	0.000
Passenger Cars	CNG Bifuel	Medium	Euro 6	0.000	0.000
Passenger Cars	CNG Bifuel	Large-SUV-Executive	Euro 4	0.000	0.000
Passenger Cars	CNG Bifuel	Large-SUV-Executive	Euro 5	0.000	0.000
Passenger Cars	CNG Bifuel	Large-SUV-Executive	Euro 6	0.000	0.000
Light Commercial Vehicles	Petrol	N1-I	Conventional	0.000	0.000
Light Commercial Vehicles	Petrol	N1-I	Euro 1	0.000	0.000
Light Commercial Vehicles	Petrol	N1-I	Euro 2	0.000	0.000
Light Commercial Vehicles	Petrol	N1-I	Euro 3	0.000	0.000
Light Commercial Vehicles	Petrol	N1-I	Euro 4	0.000	0.000
Light Commercial Vehicles	Petrol	N1-I	Euro 5	0.000	0.000
Light Commercial Vehicles	Petrol	N1-I	Euro 6 up to 2016	0.000	0.000
Light Commercial Vehicles	Petrol	N1-I	Euro 6 2017-2019	0.000	0.000
Light Commercial Vehicles	Petrol	N1-I	Euro 6 2020+	0.000	0.000
Light Commercial Vehicles	Petrol	N1-II	Conventional	0.000	0.000
Light Commercial Vehicles	Petrol	N1-II	Euro 1	0.000	0.000
Light Commercial Vehicles	Petrol	N1-II	Euro 2	0.000	0.000
Light Commercial Vehicles	Petrol	N1-II	Euro 3	0.000	0.000
Light Commercial Vehicles	Petrol	N1-II	Euro 4	0.000	0.000
Light Commercial Vehicles	Petrol	N1-II	Euro 5	0.000	0.000
Light Commercial Vehicles	Petrol	N1-II	Euro 6 up to 2017	0.000	0.000
Light Commercial Vehicles	Petrol	N1-II	Euro 6 2018-2020	0.000	0.000
Light Commercial Vehicles	Petrol	N1-II	Euro 6 2021+	0.000	0.000
Light Commercial Vehicles	Petrol	N1-III	Conventional	0.000	0.000
Light Commercial Vehicles	Petrol	N1-III	Euro 1	0.000	0.000

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Light Commercial Vehicles	Petrol	N1-III	Euro 2	0.000	0.000
Light Commercial Vehicles	Petrol	N1-III	Euro 3	0.000	0.000
Light Commercial Vehicles	Petrol	N1-III	Euro 4	0.000	0.000
Light Commercial Vehicles	Petrol	N1-III	Euro 5	0.000	0.000
Light Commercial Vehicles	Petrol	N1-III	Euro 6 up to 2017	0.000	0.000
Light Commercial Vehicles	Petrol	N1-III	Euro 6 2018-2020	0.000	0.000
Light Commercial Vehicles	Petrol	N1-III	Euro 6 2021+	0.000	0.000
Light Commercial Vehicles	Diesel	N1-I	Conventional	0.000	0.000
Light Commercial Vehicles	Diesel	N1-I	Euro 1	0.000	0.000
Light Commercial Vehicles	Diesel	N1-I	Euro 2	0.000	0.000
Light Commercial Vehicles	Diesel	N1-I	Euro 3	0.000	0.000
Light Commercial Vehicles	Diesel	N1-I	Euro 4	0.000	0.000
Light Commercial Vehicles	Diesel	N1-I	Euro 5	0.000	0.000
Light Commercial Vehicles	Diesel	N1-I	Euro 6 up to 2016	0.000	0.000
Light Commercial Vehicles	Diesel	N1-I	Euro 6 2017-2019	0.000	0.000
Light Commercial Vehicles	Diesel	N1-I	Euro 6 2020+	0.000	0.000
Light Commercial Vehicles	Diesel	N1-II	Conventional	0.000	0.000
Light Commercial Vehicles	Diesel	N1-II	Euro 1	0.000	0.000
Light Commercial Vehicles	Diesel	N1-II	Euro 2	0.000	0.000
Light Commercial Vehicles	Diesel	N1-II	Euro 3	0.000	0.000
Light Commercial Vehicles	Diesel	N1-II	Euro 4	0.000	0.000
Light Commercial Vehicles	Diesel	N1-II	Euro 5	0.000	0.000
Light Commercial Vehicles	Diesel	N1-II	Euro 6 up to 2017	0.000	0.000
Light Commercial Vehicles	Diesel	N1-II	Euro 6 2018-2020	0.000	0.000
Light Commercial Vehicles	Diesel	N1-II	Euro 6 2021+	0.000	0.000
Light Commercial Vehicles	Diesel	N1-III	Conventional	0.000	0.000
Light Commercial Vehicles	Diesel	N1-III	Euro 1	0.000	0.000

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Light Commercial Vehicles	Diesel	N1-III	Euro 2	0.000	0.000
Light Commercial Vehicles	Diesel	N1-III	Euro 3	0.000	0.000
Light Commercial Vehicles	Diesel	N1-III	Euro 4	0.000	0.000
Light Commercial Vehicles	Diesel	N1-III	Euro 5	0.000	0.000
Light Commercial Vehicles	Diesel	N1-III	Euro 6 up to 2017	0.000	0.000
Light Commercial Vehicles	Diesel	N1-III	Euro 6 2018-2020	0.000	0.000
Light Commercial Vehicles	Diesel	N1-III	Euro 6 2021+	0.000	0.000
Heavy Duty Trucks	Petrol	>3,5 t	Conventional	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid <=7,5 t	Conventional	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid <=7,5 t	Euro I	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid <=7,5 t	Euro II	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid <=7,5 t	Euro III	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid <=7,5 t	Euro IV	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid <=7,5 t	Euro V	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid <=7,5 t	Euro VI	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 7,5 - 12 t	Conventional	0.001	0.000
Heavy Duty Trucks	Diesel	Rigid 7,5 - 12 t	Euro I	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 7,5 - 12 t	Euro II	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 7,5 - 12 t	Euro III	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 7,5 - 12 t	Euro IV	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 7,5 - 12 t	Euro V	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 7,5 - 12 t	Euro VI	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 12 - 14 t	Conventional	0.001	0.001
Heavy Duty Trucks	Diesel	Rigid 12 - 14 t	Euro I	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 12 - 14 t	Euro II	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 12 - 14 t	Euro III	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 12 - 14 t	Euro IV	0.000	0.000

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Heavy Duty Trucks	Diesel	Rigid 12 - 14 t	Euro V	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 12 - 14 t	Euro VI	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Conventional	0.002	0.002
Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Euro I	0.001	0.001
Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Euro II	0.001	0.001
Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Euro III	0.001	0.001
Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Euro IV	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Euro V	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Euro VI	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Conventional	0.001	0.001
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Euro I	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Euro II	0.001	0.001
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Euro III	0.001	0.001
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Euro IV	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Euro V	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Euro VI	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 26 - 28 t	Conventional	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 26 - 28 t	Euro I	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 26 - 28 t	Euro II	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 26 - 28 t	Euro III	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 26 - 28 t	Euro IV	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 26 - 28 t	Euro V	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 26 - 28 t	Euro VI	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 28 - 32 t	Conventional	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 28 - 32 t	Euro I	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 28 - 32 t	Euro II	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 28 - 32 t	Euro III	0.001	0.001

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Heavy Duty Trucks	Diesel	Rigid 28 - 32 t	Euro IV	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 28 - 32 t	Euro V	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 28 - 32 t	Euro VI	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid >32 t	Conventional	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid >32 t	Euro I	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid >32 t	Euro II	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid >32 t	Euro III	0.001	0.000
Heavy Duty Trucks	Diesel	Rigid >32 t	Euro IV	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid >32 t	Euro V	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid >32 t	Euro VI	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Conventional	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro I	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro II	0.001	0.001
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro III	0.004	0.004
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro IV	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro V	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro VI	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t	Conventional	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t	Euro I	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t	Euro II	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t	Euro III	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t	Euro IV	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t	Euro V	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t	Euro VI	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 28 - 34 t	Conventional	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 28 - 34 t	Euro I	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 28 - 34 t	Euro II	0.000	0.000

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Heavy Duty Trucks	Diesel	Articulated 28 - 34 t	Euro III	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 28 - 34 t	Euro IV	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 28 - 34 t	Euro V	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 28 - 34 t	Euro VI	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 34 - 40 t	Conventional	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 34 - 40 t	Euro I	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 34 - 40 t	Euro II	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 34 - 40 t	Euro III	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 34 - 40 t	Euro IV	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 34 - 40 t	Euro V	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 34 - 40 t	Euro VI	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 40 - 50 t	Conventional	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 40 - 50 t	Euro I	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 40 - 50 t	Euro II	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 40 - 50 t	Euro III	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 40 - 50 t	Euro IV	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 40 - 50 t	Euro V	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 40 - 50 t	Euro VI	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 50 - 60 t	Conventional	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 50 - 60 t	Euro I	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 50 - 60 t	Euro II	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 50 - 60 t	Euro III	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 50 - 60 t	Euro IV	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 50 - 60 t	Euro V	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 50 - 60 t	Euro VI	0.000	0.000
Buses	Diesel	Urban Buses Midi <=15 t	Conventional	0.000	0.000
Buses	Diesel	Urban Buses Midi <=15 t	Euro I	0.000	0.000
Buses	Diesel	Urban Buses Midi <=15 t	Euro II	0.000	0.000

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Buses	Diesel	Urban Buses Midi <=15 t	Euro III	0.000	0.000
Buses	Diesel	Urban Buses Midi <=15 t	Euro IV	0.000	0.000
Buses	Diesel	Urban Buses Midi <=15 t	Euro V	0.000	0.000
Buses	Diesel	Urban Buses Midi <=15 t	Euro VI	0.000	0.000
Buses	Diesel	Urban Buses Standard 15 - 18 t	Conventional	0.000	0.000
Buses	Diesel	Urban Buses Standard 15 - 18 t	Euro I	0.000	0.000
Buses	Diesel	Urban Buses Standard 15 - 18 t	Euro II	0.000	0.000
Buses	Diesel	Urban Buses Standard 15 - 18 t	Euro III	0.000	0.000
Buses	Diesel	Urban Buses Standard 15 - 18 t	Euro IV	0.000	0.000
Buses	Diesel	Urban Buses Standard 15 - 18 t	Euro V	0.000	0.000
Buses	Diesel	Urban Buses Standard 15 - 18 t	Euro VI	0.000	0.000
Buses	Diesel	Urban Buses Articulated >18 t	Conventional	0.000	0.000
Buses	Diesel	Urban Buses Articulated >18 t	Euro I	0.000	0.000
Buses	Diesel	Urban Buses Articulated >18 t	Euro II	0.000	0.000
Buses	Diesel	Urban Buses Articulated >18 t	Euro III	0.000	0.000
Buses	Diesel	Urban Buses Articulated >18 t	Euro IV	0.000	0.000
Buses	Diesel	Urban Buses Articulated >18 t	Euro V	0.000	0.000
Buses	Diesel	Urban Buses Articulated >18 t	Euro VI	0.000	0.000
Buses	Diesel	Coaches Standard <=18 t	Conventional	0.000	0.000
Buses	Diesel	Coaches Standard <=18 t	Euro I	0.000	0.000
Buses	Diesel	Coaches Standard <=18 t	Euro II	0.000	0.000
Buses	Diesel	Coaches Standard <=18 t	Euro III	0.001	0.001
Buses	Diesel	Coaches Standard <=18 t	Euro IV	0.000	0.000
Buses	Diesel	Coaches Standard <=18 t	Euro V	0.000	0.000
Buses	Diesel	Coaches Standard <=18 t	Euro VI	0.000	0.000
Buses	Diesel	Coaches Articulated >18 t	Conventional	0.000	0.000
Buses	Diesel	Coaches Articulated >18 t	Euro I	0.000	0.000
Buses	Diesel	Coaches Articulated >18 t	Euro II	0.000	0.000

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Buses	Diesel	Coaches Articulated >18 t	Euro III	0.000	0.000
Buses	Diesel	Coaches Articulated >18 t	Euro IV	0.000	0.000
Buses	Diesel	Coaches Articulated >18 t	Euro V	0.000	0.000
Buses	Diesel	Coaches Articulated >18 t	Euro VI	0.000	0.000
Buses	CNG	Urban CNG Buses	Euro I	0.001	0.001
Buses	CNG	Urban CNG Buses	Euro II	0.000	0.001
Buses	CNG	Urban CNG Buses	Euro III	0.000	0.001
Buses	CNG	Urban CNG Buses	EEV	0.000	0.000
Buses	Biodiesel	Urban Biodiesel Buses	Conventional	0.000	0.000
Buses	Biodiesel	Urban Biodiesel Buses	Euro I	0.000	0.000
Buses	Biodiesel	Urban Biodiesel Buses	Euro II	0.000	0.000
Buses	Biodiesel	Urban Biodiesel Buses	Euro III	0.000	0.000
Buses	Biodiesel	Urban Biodiesel Buses	Euro IV	0.000	0.000
Buses	Biodiesel	Urban Biodiesel Buses	Euro V	0.000	0.000
Buses	Biodiesel	Urban Biodiesel Buses	Euro VI	0.000	0.000
L-Category	Petrol	Mopeds 2-stroke <50 cm ³	Conventional	0.000	0.000
L-Category	Petrol	Mopeds 2-stroke <50 cm ³	Euro 1	0.000	0.000
L-Category	Petrol	Mopeds 2-stroke <50 cm ³	Euro 2	0.000	0.000
L-Category	Petrol	Mopeds 2-stroke <50 cm ³	Euro 3	0.000	0.000
L-Category	Petrol	Mopeds 2-stroke <50 cm ³	Euro 4	0.000	0.000
L-Category	Petrol	Mopeds 2-stroke <50 cm ³	Euro 5	0.000	0.000
L-Category	Petrol	Mopeds 4-stroke <50 cm ³	Conventional	0.000	0.000
L-Category	Petrol	Mopeds 4-stroke <50 cm ³	Euro 1	0.000	0.000
L-Category	Petrol	Mopeds 4-stroke <50 cm ³	Euro 2	0.000	0.000
L-Category	Petrol	Mopeds 4-stroke <50 cm ³	Euro 3	0.000	0.000
L-Category	Petrol	Mopeds 4-stroke <50 cm ³	Euro 4	0.000	0.000
L-Category	Petrol	Mopeds 4-stroke <50 cm ³	Euro 5	0.000	0.000
L-Category	Petrol	Motorcycles 2-stroke >50 cm ³	Conventional	0.000	0.000
L-Category	Petrol	Motorcycles 2-stroke >50 cm ³	Euro 1	0.000	0.000
L-Category	Petrol	Motorcycles 2-stroke >50 cm ³	Euro 2	0.000	0.000
L-Category	Petrol	Motorcycles 2-stroke >50 cm ³	Euro 3	0.000	0.000

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

L-Category	Petrol	Motorcycles 2-stroke >50 cm ³	Euro 4	0.000	0.000
L-Category	Petrol	Motorcycles 2-stroke >50 cm ³	Euro 5	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke <250 cm ³	Conventional	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke <250 cm ³	Euro 1	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke <250 cm ³	Euro 2	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke <250 cm ³	Euro 3	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke <250 cm ³	Euro 4	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke <250 cm ³	Euro 5	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke 250 - 750 cm ³	Conventional	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke 250 - 750 cm ³	Euro 1	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke 250 - 750 cm ³	Euro 2	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke 250 - 750 cm ³	Euro 3	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke 250 - 750 cm ³	Euro 4	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke 250 - 750 cm ³	Euro 5	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke >750 cm ³	Conventional	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke >750 cm ³	Euro 1	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke >750 cm ³	Euro 2	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke >750 cm ³	Euro 3	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke >750 cm ³	Euro 4	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke >750 cm ³	Euro 5	0.000	0.000
L-Category	Petrol	Quad & ATVs	Euro 1	0.000	0.000
L-Category	Petrol	Quad & ATVs	Euro 2	0.000	0.000
L-Category	Petrol	Quad & ATVs	Euro 3	0.000	0.000
L-Category	Petrol	Quad & ATVs	Euro 4	0.000	0.000
L-Category	Petrol	Quad & ATVs	Euro 5	0.000	0.000
L-Category	Diesel	Micro-car	Euro 1	0.000	0.000
L-Category	Diesel	Micro-car	Euro 2	0.000	0.000
L-Category	Diesel	Micro-car	Euro 3	0.000	0.000
L-Category	Diesel	Micro-car	Euro 4	0.000	0.000
L-Category	Diesel	Micro-car	Euro 5	0.000	0.000

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

CH4 emissions

Category	Fuel	Segment	Euro Standard	2017	2018
Passenger Cars	Petrol	Mini	Euro 4	0.001	0.001
Passenger Cars	Petrol	Mini	Euro 5	0.000	0.000
Passenger Cars	Petrol	Mini	Euro 6 up to 2016	0.000	0.000
Passenger Cars	Petrol	Mini	Euro 6 2017-2019	0.000	0.000
Passenger Cars	Petrol	Mini	Euro 6 2020+	0.000	0.000
Passenger Cars	Petrol	Small	PRE ECE	0.000	0.000
Passenger Cars	Petrol	Small	ECE 15/00-01	0.000	0.000
Passenger Cars	Petrol	Small	ECE 15/02	0.000	0.000
Passenger Cars	Petrol	Small	ECE 15/03	0.001	0.001
Passenger Cars	Petrol	Small	ECE 15/04	0.004	0.003
Passenger Cars	Petrol	Small	Improved Conventional	0.000	0.000
Passenger Cars	Petrol	Small	Open Loop	0.000	0.000
Passenger Cars	Petrol	Small	Euro 1	0.002	0.002
Passenger Cars	Petrol	Small	Euro 2	0.008	0.008
Passenger Cars	Petrol	Small	Euro 3	0.003	0.003
Passenger Cars	Petrol	Small	Euro 4	0.005	0.005
Passenger Cars	Petrol	Small	Euro 5	0.001	0.001
Passenger Cars	Petrol	Small	Euro 6 up to 2016	0.000	0.000
Passenger Cars	Petrol	Small	Euro 6 2017-2019	0.000	0.001
Passenger Cars	Petrol	Small	Euro 6 2020+	0.000	0.000
Passenger Cars	Petrol	Medium	PRE ECE	0.000	0.000
Passenger Cars	Petrol	Medium	ECE 15/00-01	0.000	0.000
Passenger Cars	Petrol	Medium	ECE 15/02	0.000	0.000
Passenger Cars	Petrol	Medium	ECE 15/03	0.000	0.000
Passenger Cars	Petrol	Medium	ECE 15/04	0.002	0.001

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Passenger Cars	Petrol	Medium	Improved Conventional	0.000	0.000
Passenger Cars	Petrol	Medium	Open Loop	0.000	0.000
Passenger Cars	Petrol	Medium	Euro 1	0.001	0.001
Passenger Cars	Petrol	Medium	Euro 2	0.004	0.004
Passenger Cars	Petrol	Medium	Euro 3	0.002	0.002
Passenger Cars	Petrol	Medium	Euro 4	0.001	0.001
Passenger Cars	Petrol	Medium	Euro 5	0.001	0.001
Passenger Cars	Petrol	Medium	Euro 6 up to 2016	0.000	0.000
Passenger Cars	Petrol	Medium	Euro 6 2017-2019	0.000	0.001
Passenger Cars	Petrol	Medium	Euro 6 2020+	0.000	0.000
Passenger Cars	Petrol	Large-SUV-Executive	PRE ECE	0.000	0.000
Passenger Cars	Petrol	Large-SUV-Executive	ECE 15/00-01	0.000	0.000
Passenger Cars	Petrol	Large-SUV-Executive	ECE 15/02	0.000	0.000
Passenger Cars	Petrol	Large-SUV-Executive	ECE 15/03	0.000	0.000
Passenger Cars	Petrol	Large-SUV-Executive	ECE 15/04	0.000	0.000
Passenger Cars	Petrol	Large-SUV-Executive	Euro 1	0.000	0.000
Passenger Cars	Petrol	Large-SUV-Executive	Euro 2	0.000	0.000
Passenger Cars	Petrol	Large-SUV-Executive	Euro 3	0.000	0.000
Passenger Cars	Petrol	Large-SUV-Executive	Euro 4	0.000	0.000
Passenger Cars	Petrol	Large-SUV-Executive	Euro 5	0.000	0.000
Passenger Cars	Petrol	Large-SUV-Executive	Euro 6 up to 2016	0.000	0.000
Passenger Cars	Petrol	Large-SUV-Executive	Euro 6 2017-2019	0.000	0.000
Passenger Cars	Petrol	Large-SUV-Executive	Euro 6 2020+	0.000	0.000
Passenger Cars	Petrol	2-Stroke	Conventional	0.000	0.000
Passenger Cars	Diesel	Mini	Euro 4	0.000	0.000
Passenger Cars	Diesel	Mini	Euro 5	0.000	0.000
Passenger Cars	Diesel	Mini	Euro 6 up to 2016	0.000	0.000

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Passenger Cars	Diesel	Mini	Euro 6 2017-2019	0.000	0.000
Passenger Cars	Diesel	Mini	Euro 6 2020+	0.000	0.000
Passenger Cars	Diesel	Small	Conventional	0.001	0.001
Passenger Cars	Diesel	Small	Euro 1	0.002	0.002
Passenger Cars	Diesel	Small	Euro 2	0.003	0.003
Passenger Cars	Diesel	Small	Euro 3	0.002	0.001
Passenger Cars	Diesel	Small	Euro 4	0.000	0.000
Passenger Cars	Diesel	Small	Euro 5	0.000	0.000
Passenger Cars	Diesel	Small	Euro 6 up to 2016	0.000	0.000
Passenger Cars	Diesel	Small	Euro 6 2017-2019	0.000	0.000
Passenger Cars	Diesel	Small	Euro 6 2020+	0.000	0.000
Passenger Cars	Diesel	Medium	Conventional	0.000	0.000
Passenger Cars	Diesel	Medium	Euro 1	0.000	0.000
Passenger Cars	Diesel	Medium	Euro 2	0.000	0.000
Passenger Cars	Diesel	Medium	Euro 3	0.000	0.000
Passenger Cars	Diesel	Medium	Euro 4	0.000	0.000
Passenger Cars	Diesel	Medium	Euro 5	0.000	0.000
Passenger Cars	Diesel	Medium	Euro 6 up to 2016	0.000	0.000
Passenger Cars	Diesel	Medium	Euro 6 2017-2019	0.000	0.000
Passenger Cars	Diesel	Medium	Euro 6 2020+	0.000	0.000
Passenger Cars	Diesel	Large-SUV-Executive	Conventional	0.000	0.000
Passenger Cars	Diesel	Large-SUV-Executive	Euro 1	0.000	0.000
Passenger Cars	Diesel	Large-SUV-Executive	Euro 2	0.001	0.001
Passenger Cars	Diesel	Large-SUV-Executive	Euro 3	0.000	0.000
Passenger Cars	Diesel	Large-SUV-Executive	Euro 4	0.000	0.000
Passenger Cars	Diesel	Large-SUV-Executive	Euro 5	0.000	0.000
Passenger Cars	Diesel	Large-SUV-Executive	Euro 6 up to 2016	0.000	0.000

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Passenger Cars	Diesel	Large-SUV-Executive	Euro 6 2017-2019	0.000	0.000
Passenger Cars	Diesel	Large-SUV-Executive	Euro 6 2020+	0.000	0.000
Passenger Cars	Petrol Hybrid	Mini	Euro 4	0.000	0.000
Passenger Cars	Petrol Hybrid	Mini	Euro 5	0.000	0.000
Passenger Cars	Petrol Hybrid	Mini	Euro 6 up to 2016	0.000	0.000
Passenger Cars	Petrol Hybrid	Mini	Euro 6 2017-2019	0.000	0.000
Passenger Cars	Petrol Hybrid	Mini	Euro 6 2020+	0.000	0.000
Passenger Cars	Petrol Hybrid	Small	Euro 4	0.000	0.000
Passenger Cars	Petrol Hybrid	Small	Euro 5	0.000	0.000
Passenger Cars	Petrol Hybrid	Small	Euro 6 up to 2016	0.000	0.000
Passenger Cars	Petrol Hybrid	Small	Euro 6 2017-2019	0.000	0.000
Passenger Cars	Petrol Hybrid	Small	Euro 6 2020+	0.000	0.000
Passenger Cars	Petrol Hybrid	Medium	Euro 4	0.000	0.000
Passenger Cars	Petrol Hybrid	Medium	Euro 5	0.000	0.000
Passenger Cars	Petrol Hybrid	Medium	Euro 6 up to 2016	0.000	0.000
Passenger Cars	Petrol Hybrid	Medium	Euro 6 2017-2019	0.000	0.000
Passenger Cars	Petrol Hybrid	Medium	Euro 6 2020+	0.000	0.000
Passenger Cars	Petrol Hybrid	Large-SUV-Executive	Euro 4	0.000	0.000
Passenger Cars	Petrol Hybrid	Large-SUV-Executive	Euro 5	0.000	0.000
Passenger Cars	Petrol Hybrid	Large-SUV-Executive	Euro 6 up to 2016	0.000	0.000
Passenger Cars	Petrol Hybrid	Large-SUV-Executive	Euro 6 2017-2019	0.000	0.000
Passenger Cars	Petrol Hybrid	Large-SUV-Executive	Euro 6 2020+	0.000	0.000
Passenger Cars	LPG Bifuel	Mini	Euro 4	0.000	0.000
Passenger Cars	LPG Bifuel	Mini	Euro 5	0.000	0.000
Passenger Cars	LPG Bifuel	Mini	Euro 6	0.000	0.000
Passenger Cars	LPG Bifuel	Small	Conventional	0.005	0.005
Passenger Cars	LPG Bifuel	Small	Euro 1	0.007	0.007

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Passenger Cars	LPG Bifuel	Small	Euro 2	0.007	0.007
Passenger Cars	LPG Bifuel	Small	Euro 3	0.004	0.004
Passenger Cars	LPG Bifuel	Small	Euro 4	0.004	0.005
Passenger Cars	LPG Bifuel	Small	Euro 5	0.001	0.001
Passenger Cars	LPG Bifuel	Small	Euro 6	0.000	0.000
Passenger Cars	LPG Bifuel	Medium	Conventional	0.000	0.000
Passenger Cars	LPG Bifuel	Medium	Euro 1	0.000	0.000
Passenger Cars	LPG Bifuel	Medium	Euro 2	0.000	0.000
Passenger Cars	LPG Bifuel	Medium	Euro 3	0.000	0.000
Passenger Cars	LPG Bifuel	Medium	Euro 4	0.000	0.000
Passenger Cars	LPG Bifuel	Medium	Euro 5	0.000	0.000
Passenger Cars	LPG Bifuel	Medium	Euro 6	0.000	0.000
Passenger Cars	LPG Bifuel	Large-SUV-Executive	Conventional	0.000	0.000
Passenger Cars	LPG Bifuel	Large-SUV-Executive	Euro 1	0.000	0.000
Passenger Cars	LPG Bifuel	Large-SUV-Executive	Euro 2	0.000	0.000
Passenger Cars	LPG Bifuel	Large-SUV-Executive	Euro 3	0.000	0.000
Passenger Cars	LPG Bifuel	Large-SUV-Executive	Euro 4	0.000	0.000
Passenger Cars	LPG Bifuel	Large-SUV-Executive	Euro 5	0.000	0.000
Passenger Cars	LPG Bifuel	Large-SUV-Executive	Euro 6	0.000	0.000
Passenger Cars	CNG Bifuel	Mini	Euro 4	0.000	0.000
Passenger Cars	CNG Bifuel	Mini	Euro 5	0.000	0.000
Passenger Cars	CNG Bifuel	Mini	Euro 6	0.000	0.000
Passenger Cars	CNG Bifuel	Small	Euro 4	0.000	0.000
Passenger Cars	CNG Bifuel	Small	Euro 5	0.000	0.000
Passenger Cars	CNG Bifuel	Small	Euro 6	0.000	0.000
Passenger Cars	CNG Bifuel	Medium	Euro 4	0.000	0.000
Passenger Cars	CNG Bifuel	Medium	Euro 5	0.000	0.000

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Passenger Cars	CNG Bifuel	Medium	Euro 6	0.000	0.000
Passenger Cars	CNG Bifuel	Large-SUV-Executive	Euro 4	0.000	0.000
Passenger Cars	CNG Bifuel	Large-SUV-Executive	Euro 5	0.000	0.000
Passenger Cars	CNG Bifuel	Large-SUV-Executive	Euro 6	0.000	0.000
Light Commercial Vehicles	Petrol	N1-I	Conventional	0.000	0.000
Light Commercial Vehicles	Petrol	N1-I	Euro 1	0.000	0.000
Light Commercial Vehicles	Petrol	N1-I	Euro 2	0.000	0.000
Light Commercial Vehicles	Petrol	N1-I	Euro 3	0.000	0.000
Light Commercial Vehicles	Petrol	N1-I	Euro 4	0.000	0.000
Light Commercial Vehicles	Petrol	N1-I	Euro 5	0.000	0.000
Light Commercial Vehicles	Petrol	N1-I	Euro 6 up to 2016	0.000	0.000
Light Commercial Vehicles	Petrol	N1-I	Euro 6 2017-2019	0.000	0.000
Light Commercial Vehicles	Petrol	N1-I	Euro 6 2020+	0.000	0.000
Light Commercial Vehicles	Petrol	N1-II	Conventional	0.000	0.000
Light Commercial Vehicles	Petrol	N1-II	Euro 1	0.000	0.000
Light Commercial Vehicles	Petrol	N1-II	Euro 2	0.000	0.000
Light Commercial Vehicles	Petrol	N1-II	Euro 3	0.000	0.000
Light Commercial Vehicles	Petrol	N1-II	Euro 4	0.000	0.000
Light Commercial Vehicles	Petrol	N1-II	Euro 5	0.000	0.000

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Light Commercial Vehicles	Petrol	N1-II	Euro 6 up to 2017	0.000	0.000
Light Commercial Vehicles	Petrol	N1-II	Euro 6 2018-2020	0.000	0.000
Light Commercial Vehicles	Petrol	N1-II	Euro 6 2021+	0.000	0.000
Light Commercial Vehicles	Petrol	N1-III	Conventional	0.000	0.000
Light Commercial Vehicles	Petrol	N1-III	Euro 1	0.000	0.000
Light Commercial Vehicles	Petrol	N1-III	Euro 2	0.000	0.000
Light Commercial Vehicles	Petrol	N1-III	Euro 3	0.000	0.000
Light Commercial Vehicles	Petrol	N1-III	Euro 4	0.000	0.000
Light Commercial Vehicles	Petrol	N1-III	Euro 5	0.000	0.000
Light Commercial Vehicles	Petrol	N1-III	Euro 6 up to 2017	0.000	0.000
Light Commercial Vehicles	Petrol	N1-III	Euro 6 2018-2020	0.000	0.000
Light Commercial Vehicles	Petrol	N1-III	Euro 6 2021+	0.000	0.000
Light Commercial Vehicles	Diesel	N1-I	Conventional	0.000	0.000
Light Commercial Vehicles	Diesel	N1-I	Euro 1	0.000	0.000
Light Commercial Vehicles	Diesel	N1-I	Euro 2	0.000	0.000
Light Commercial Vehicles	Diesel	N1-I	Euro 3	0.000	0.000
Light Commercial Vehicles	Diesel	N1-I	Euro 4	0.000	0.000
Light Commercial Vehicles	Diesel	N1-I	Euro 5	0.000	0.000

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Light Commercial Vehicles	Diesel	N1-I	Euro 6 up to 2016	0.000	0.000
Light Commercial Vehicles	Diesel	N1-I	Euro 6 2017-2019	0.000	0.000
Light Commercial Vehicles	Diesel	N1-I	Euro 6 2020+	0.000	0.000
Light Commercial Vehicles	Diesel	N1-II	Conventional	0.000	0.000
Light Commercial Vehicles	Diesel	N1-II	Euro 1	0.000	0.000
Light Commercial Vehicles	Diesel	N1-II	Euro 2	0.000	0.000
Light Commercial Vehicles	Diesel	N1-II	Euro 3	0.000	0.000
Light Commercial Vehicles	Diesel	N1-II	Euro 4	0.000	0.000
Light Commercial Vehicles	Diesel	N1-II	Euro 5	0.000	0.000
Light Commercial Vehicles	Diesel	N1-II	Euro 6 up to 2017	0.000	0.000
Light Commercial Vehicles	Diesel	N1-II	Euro 6 2018-2020	0.000	0.000
Light Commercial Vehicles	Diesel	N1-II	Euro 6 2021+	0.000	0.000
Light Commercial Vehicles	Diesel	N1-III	Conventional	0.000	0.000
Light Commercial Vehicles	Diesel	N1-III	Euro 1	0.000	0.000
Light Commercial Vehicles	Diesel	N1-III	Euro 2	0.000	0.000
Light Commercial Vehicles	Diesel	N1-III	Euro 3	0.000	0.000
Light Commercial Vehicles	Diesel	N1-III	Euro 4	0.000	0.000
Light Commercial Vehicles	Diesel	N1-III	Euro 5	0.000	0.000

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Light Commercial Vehicles	Diesel	N1-III	Euro 6 up to 2017	0.000	0.000
Light Commercial Vehicles	Diesel	N1-III	Euro 6 2018-2020	0.000	0.000
Light Commercial Vehicles	Diesel	N1-III	Euro 6 2021+	0.000	0.000
Heavy Duty Trucks	Petrol	>3,5 t	Conventional	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid <=7,5 t	Conventional	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid <=7,5 t	Euro I	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid <=7,5 t	Euro II	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid <=7,5 t	Euro III	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid <=7,5 t	Euro IV	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid <=7,5 t	Euro V	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid <=7,5 t	Euro VI	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 7,5 - 12 t	Conventional	0.001	0.000
Heavy Duty Trucks	Diesel	Rigid 7,5 - 12 t	Euro I	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 7,5 - 12 t	Euro II	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 7,5 - 12 t	Euro III	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 7,5 - 12 t	Euro IV	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 7,5 - 12 t	Euro V	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 7,5 - 12 t	Euro VI	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 12 - 14 t	Conventional	0.001	0.001
Heavy Duty Trucks	Diesel	Rigid 12 - 14 t	Euro I	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 12 - 14 t	Euro II	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 12 - 14 t	Euro III	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 12 - 14 t	Euro IV	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 12 - 14 t	Euro V	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 12 - 14 t	Euro VI	0.000	0.000

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Conventional	0.002	0.002
Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Euro I	0.001	0.001
Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Euro II	0.001	0.001
Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Euro III	0.001	0.001
Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Euro IV	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Euro V	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Euro VI	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Conventional	0.001	0.001
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Euro I	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Euro II	0.001	0.001
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Euro III	0.001	0.001
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Euro IV	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Euro V	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Euro VI	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 26 - 28 t	Conventional	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 26 - 28 t	Euro I	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 26 - 28 t	Euro II	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 26 - 28 t	Euro III	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 26 - 28 t	Euro IV	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 26 - 28 t	Euro V	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 26 - 28 t	Euro VI	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 28 - 32 t	Conventional	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 28 - 32 t	Euro I	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 28 - 32 t	Euro II	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 28 - 32 t	Euro III	0.001	0.001
Heavy Duty Trucks	Diesel	Rigid 28 - 32 t	Euro IV	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 28 - 32 t	Euro V	0.000	0.000

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Heavy Duty Trucks	Diesel	Rigid 28 - 32 t	Euro VI	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid >32 t	Conventional	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid >32 t	Euro I	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid >32 t	Euro II	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid >32 t	Euro III	0.001	0.000
Heavy Duty Trucks	Diesel	Rigid >32 t	Euro IV	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid >32 t	Euro V	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid >32 t	Euro VI	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Conventional	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro I	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro II	0.001	0.001
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro III	0.004	0.004
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro IV	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro V	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro VI	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t	Conventional	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t	Euro I	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t	Euro II	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t	Euro III	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t	Euro IV	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t	Euro V	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t	Euro VI	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 28 - 34 t	Conventional	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 28 - 34 t	Euro I	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 28 - 34 t	Euro II	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 28 - 34 t	Euro III	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 28 - 34 t	Euro IV	0.000	0.000

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Heavy Duty Trucks	Diesel	Articulated 28 - 34 t	Euro V	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 28 - 34 t	Euro VI	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 34 - 40 t	Conventional	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 34 - 40 t	Euro I	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 34 - 40 t	Euro II	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 34 - 40 t	Euro III	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 34 - 40 t	Euro IV	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 34 - 40 t	Euro V	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 34 - 40 t	Euro VI	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 40 - 50 t	Conventional	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 40 - 50 t	Euro I	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 40 - 50 t	Euro II	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 40 - 50 t	Euro III	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 40 - 50 t	Euro IV	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 40 - 50 t	Euro V	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 40 - 50 t	Euro VI	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 50 - 60 t	Conventional	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 50 - 60 t	Euro I	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 50 - 60 t	Euro II	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 50 - 60 t	Euro III	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 50 - 60 t	Euro IV	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 50 - 60 t	Euro V	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 50 - 60 t	Euro VI	0.000	0.000
Buses	Diesel	Urban Buses Midi <=15 t	Conventional	0.000	0.000
Buses	Diesel	Urban Buses Midi <=15 t	Euro I	0.000	0.000
Buses	Diesel	Urban Buses Midi <=15 t	Euro II	0.000	0.000
Buses	Diesel	Urban Buses Midi <=15 t	Euro III	0.000	0.000

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Buses	Diesel	Urban Buses Midi <=15 t	Euro IV	0.000	0.000
Buses	Diesel	Urban Buses Midi <=15 t	Euro V	0.000	0.000
Buses	Diesel	Urban Buses Midi <=15 t	Euro VI	0.000	0.000
Buses	Diesel	Urban Buses Standard 15 - 18 t	Conventional	0.000	0.000
Buses	Diesel	Urban Buses Standard 15 - 18 t	Euro I	0.000	0.000
Buses	Diesel	Urban Buses Standard 15 - 18 t	Euro II	0.000	0.000
Buses	Diesel	Urban Buses Standard 15 - 18 t	Euro III	0.000	0.000
Buses	Diesel	Urban Buses Standard 15 - 18 t	Euro IV	0.000	0.000
Buses	Diesel	Urban Buses Standard 15 - 18 t	Euro V	0.000	0.000
Buses	Diesel	Urban Buses Standard 15 - 18 t	Euro VI	0.000	0.000
Buses	Diesel	Urban Buses Articulated >18 t	Conventional	0.000	0.000
Buses	Diesel	Urban Buses Articulated >18 t	Euro I	0.000	0.000
Buses	Diesel	Urban Buses Articulated >18 t	Euro II	0.000	0.000
Buses	Diesel	Urban Buses Articulated >18 t	Euro III	0.000	0.000
Buses	Diesel	Urban Buses Articulated >18 t	Euro IV	0.000	0.000
Buses	Diesel	Urban Buses Articulated >18 t	Euro V	0.000	0.000
Buses	Diesel	Urban Buses Articulated >18 t	Euro VI	0.000	0.000
Buses	Diesel	Coaches Standard <=18 t	Conventional	0.000	0.000
Buses	Diesel	Coaches Standard <=18 t	Euro I	0.000	0.000

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Buses	Diesel	Coaches Standard <=18 t	Euro II	0.000	0.000
Buses	Diesel	Coaches Standard <=18 t	Euro III	0.001	0.001
Buses	Diesel	Coaches Standard <=18 t	Euro IV	0.000	0.000
Buses	Diesel	Coaches Standard <=18 t	Euro V	0.000	0.000
Buses	Diesel	Coaches Standard <=18 t	Euro VI	0.000	0.000
Buses	Diesel	Coaches Articulated >18 t	Conventional	0.000	0.000
Buses	Diesel	Coaches Articulated >18 t	Euro I	0.000	0.000
Buses	Diesel	Coaches Articulated >18 t	Euro II	0.000	0.000
Buses	Diesel	Coaches Articulated >18 t	Euro III	0.000	0.000
Buses	Diesel	Coaches Articulated >18 t	Euro IV	0.000	0.000
Buses	Diesel	Coaches Articulated >18 t	Euro V	0.000	0.000
Buses	Diesel	Coaches Articulated >18 t	Euro VI	0.000	0.000
Buses	CNG	Urban CNG Buses	Euro I	0.001	0.001
Buses	CNG	Urban CNG Buses	Euro II	0.000	0.001
Buses	CNG	Urban CNG Buses	Euro III	0.000	0.001
Buses	CNG	Urban CNG Buses	EEV	0.000	0.000
Buses	Biodiesel	Urban Biodiesel Buses	Conventional	0.000	0.000
Buses	Biodiesel	Urban Biodiesel Buses	Euro I	0.000	0.000
Buses	Biodiesel	Urban Biodiesel Buses	Euro II	0.000	0.000

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Buses	Biodiesel	Urban Biodiesel Buses	Euro III	0.000	0.000
Buses	Biodiesel	Urban Biodiesel Buses	Euro IV	0.000	0.000
Buses	Biodiesel	Urban Biodiesel Buses	Euro V	0.000	0.000
Buses	Biodiesel	Urban Biodiesel Buses	Euro VI	0.000	0.000
L-Category	Petrol	Mopeds 2-stroke <50 cm ³	Conventional	0.000	0.000
L-Category	Petrol	Mopeds 2-stroke <50 cm ³	Euro 1	0.000	0.000
L-Category	Petrol	Mopeds 2-stroke <50 cm ³	Euro 2	0.000	0.000
L-Category	Petrol	Mopeds 2-stroke <50 cm ³	Euro 3	0.000	0.000
L-Category	Petrol	Mopeds 2-stroke <50 cm ³	Euro 4	0.000	0.000
L-Category	Petrol	Mopeds 2-stroke <50 cm ³	Euro 5	0.000	0.000
L-Category	Petrol	Mopeds 4-stroke <50 cm ³	Conventional	0.000	0.000
L-Category	Petrol	Mopeds 4-stroke <50 cm ³	Euro 1	0.000	0.000
L-Category	Petrol	Mopeds 4-stroke <50 cm ³	Euro 2	0.000	0.000
L-Category	Petrol	Mopeds 4-stroke <50 cm ³	Euro 3	0.000	0.000
L-Category	Petrol	Mopeds 4-stroke <50 cm ³	Euro 4	0.000	0.000
L-Category	Petrol	Mopeds 4-stroke <50 cm ³	Euro 5	0.000	0.000
L-Category	Petrol	Motorcycles 2-stroke >50 cm ³	Conventional	0.000	0.000
L-Category	Petrol	Motorcycles 2-stroke >50 cm ³	Euro 1	0.000	0.000

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

L-Category	Petrol	Motorcycles 2-stroke >50 cm ³	Euro 2	0.000	0.000
L-Category	Petrol	Motorcycles 2-stroke >50 cm ³	Euro 3	0.000	0.000
L-Category	Petrol	Motorcycles 2-stroke >50 cm ³	Euro 4	0.000	0.000
L-Category	Petrol	Motorcycles 2-stroke >50 cm ³	Euro 5	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke <250 cm ³	Conventional	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke <250 cm ³	Euro 1	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke <250 cm ³	Euro 2	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke <250 cm ³	Euro 3	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke <250 cm ³	Euro 4	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke <250 cm ³	Euro 5	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke 250 - 750 cm ³	Conventional	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke 250 - 750 cm ³	Euro 1	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke 250 - 750 cm ³	Euro 2	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke 250 - 750 cm ³	Euro 3	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke 250 - 750 cm ³	Euro 4	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke 250 - 750 cm ³	Euro 5	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke >750 cm ³	Conventional	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke >750 cm ³	Euro 1	0.000	0.000

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

L-Category	Petrol	Motorcycles 4-stroke >750 cm ³	Euro 2	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke >750 cm ³	Euro 3	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke >750 cm ³	Euro 4	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke >750 cm ³	Euro 5	0.000	0.000
L-Category	Petrol	Quad & ATVs	Euro 1	0.000	0.000
L-Category	Petrol	Quad & ATVs	Euro 2	0.000	0.000
L-Category	Petrol	Quad & ATVs	Euro 3	0.000	0.000
L-Category	Petrol	Quad & ATVs	Euro 4	0.000	0.000
L-Category	Petrol	Quad & ATVs	Euro 5	0.000	0.000
L-Category	Diesel	Micro-car	Euro 1	0.000	0.000
L-Category	Diesel	Micro-car	Euro 2	0.000	0.000
L-Category	Diesel	Micro-car	Euro 3	0.000	0.000
L-Category	Diesel	Micro-car	Euro 4	0.000	0.000
L-Category	Diesel	Micro-car	Euro 5	0.000	0.000

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

N2O emissions

Category	Fuel	Segment	Euro Standard	2017_T	2018_T
Passenger Cars	Petrol	Mini	Euro 4	0.000	0.000
Passenger Cars	Petrol	Mini	Euro 5	0.000	0.000
Passenger Cars	Petrol	Mini	Euro 6 up to 2016	0.000	0.000
Passenger Cars	Petrol	Mini	Euro 6 2017-2019	0.000	0.000
Passenger Cars	Petrol	Mini	Euro 6 2020+	0.000	0.000
Passenger Cars	Petrol	Small	PRE ECE	0.000	0.000
Passenger Cars	Petrol	Small	ECE 15/00-01	0.000	0.000
Passenger Cars	Petrol	Small	ECE 15/02	0.000	0.000
Passenger Cars	Petrol	Small	ECE 15/03	0.000	0.000
Passenger Cars	Petrol	Small	ECE 15/04	0.000	0.000
Passenger Cars	Petrol	Small	Improved Conventional	0.000	0.000
Passenger Cars	Petrol	Small	Open Loop	0.000	0.000
Passenger Cars	Petrol	Small	Euro 1	0.001	0.001
Passenger Cars	Petrol	Small	Euro 2	0.002	0.002
Passenger Cars	Petrol	Small	Euro 3	0.000	0.000
Passenger Cars	Petrol	Small	Euro 4	0.001	0.001
Passenger Cars	Petrol	Small	Euro 5	0.000	0.000
Passenger Cars	Petrol	Small	Euro 6 up to 2016	0.000	0.000
Passenger Cars	Petrol	Small	Euro 6 2017-2019	0.000	0.000
Passenger Cars	Petrol	Small	Euro 6 2020+	0.000	0.000
Passenger Cars	Petrol	Medium	PRE ECE	0.000	0.000
Passenger Cars	Petrol	Medium	ECE 15/00-01	0.000	0.000
Passenger Cars	Petrol	Medium	ECE 15/02	0.000	0.000
Passenger Cars	Petrol	Medium	ECE 15/03	0.000	0.000
Passenger Cars	Petrol	Medium	ECE 15/04	0.000	0.000

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Passenger Cars	Petrol	Medium	Improved Conventional	0.000	0.000
Passenger Cars	Petrol	Medium	Open Loop	0.000	0.000
Passenger Cars	Petrol	Medium	Euro 1	0.001	0.000
Passenger Cars	Petrol	Medium	Euro 2	0.001	0.001
Passenger Cars	Petrol	Medium	Euro 3	0.000	0.000
Passenger Cars	Petrol	Medium	Euro 4	0.000	0.000
Passenger Cars	Petrol	Medium	Euro 5	0.000	0.000
Passenger Cars	Petrol	Medium	Euro 6 up to 2016	0.000	0.000
Passenger Cars	Petrol	Medium	Euro 6 2017-2019	0.000	0.000
Passenger Cars	Petrol	Medium	Euro 6 2020+	0.000	0.000
Passenger Cars	Petrol	Large-SUV-Executive	PRE ECE	0.000	0.000
Passenger Cars	Petrol	Large-SUV-Executive	ECE 15/00-01	0.000	0.000
Passenger Cars	Petrol	Large-SUV-Executive	ECE 15/02	0.000	0.000
Passenger Cars	Petrol	Large-SUV-Executive	ECE 15/03	0.000	0.000
Passenger Cars	Petrol	Large-SUV-Executive	ECE 15/04	0.000	0.000
Passenger Cars	Petrol	Large-SUV-Executive	Euro 1	0.000	0.000
Passenger Cars	Petrol	Large-SUV-Executive	Euro 2	0.000	0.000
Passenger Cars	Petrol	Large-SUV-Executive	Euro 3	0.000	0.000
Passenger Cars	Petrol	Large-SUV-Executive	Euro 4	0.000	0.000
Passenger Cars	Petrol	Large-SUV-Executive	Euro 5	0.000	0.000
Passenger Cars	Petrol	Large-SUV-Executive	Euro 6 up to 2016	0.000	0.000
Passenger Cars	Petrol	Large-SUV-Executive	Euro 6 2017-2019	0.000	0.000
Passenger Cars	Petrol	Large-SUV-Executive	Euro 6 2020+	0.000	0.000
Passenger Cars	Petrol	2-Stroke	Conventional	0.000	0.000
Passenger Cars	Diesel	Mini	Euro 4	0.001	0.001
Passenger Cars	Diesel	Mini	Euro 5	0.000	0.000
Passenger Cars	Diesel	Mini	Euro 6 up to 2016	0.000	0.000

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Passenger Cars	Diesel	Mini	Euro 6 2017-2019	0.000	0.000
Passenger Cars	Diesel	Mini	Euro 6 2020+	0.000	0.000
Passenger Cars	Diesel	Small	Conventional	0.000	0.000
Passenger Cars	Diesel	Small	Euro 1	0.000	0.000
Passenger Cars	Diesel	Small	Euro 2	0.004	0.003
Passenger Cars	Diesel	Small	Euro 3	0.009	0.009
Passenger Cars	Diesel	Small	Euro 4	0.006	0.008
Passenger Cars	Diesel	Small	Euro 5	0.002	0.003
Passenger Cars	Diesel	Small	Euro 6 up to 2016	0.001	0.001
Passenger Cars	Diesel	Small	Euro 6 2017-2019	0.000	0.001
Passenger Cars	Diesel	Small	Euro 6 2020+	0.000	0.000
Passenger Cars	Diesel	Medium	Conventional	0.000	0.000
Passenger Cars	Diesel	Medium	Euro 1	0.000	0.000
Passenger Cars	Diesel	Medium	Euro 2	0.000	0.000
Passenger Cars	Diesel	Medium	Euro 3	0.000	0.000
Passenger Cars	Diesel	Medium	Euro 4	0.000	0.000
Passenger Cars	Diesel	Medium	Euro 5	0.000	0.000
Passenger Cars	Diesel	Medium	Euro 6 up to 2016	0.000	0.000
Passenger Cars	Diesel	Medium	Euro 6 2017-2019	0.000	0.000
Passenger Cars	Diesel	Medium	Euro 6 2020+	0.000	0.000
Passenger Cars	Diesel	Large-SUV-Executive	Conventional	0.000	0.000
Passenger Cars	Diesel	Large-SUV-Executive	Euro 1	0.000	0.000
Passenger Cars	Diesel	Large-SUV-Executive	Euro 2	0.001	0.001
Passenger Cars	Diesel	Large-SUV-Executive	Euro 3	0.003	0.003
Passenger Cars	Diesel	Large-SUV-Executive	Euro 4	0.002	0.002
Passenger Cars	Diesel	Large-SUV-Executive	Euro 5	0.001	0.001
Passenger Cars	Diesel	Large-SUV-Executive	Euro 6 up to 2016	0.000	0.000

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Passenger Cars	Diesel	Large-SUV-Executive	Euro 6 2017-2019	0.000	0.000
Passenger Cars	Diesel	Large-SUV-Executive	Euro 6 2020+	0.000	0.000
Passenger Cars	Petrol Hybrid	Mini	Euro 4	0.000	0.000
Passenger Cars	Petrol Hybrid	Mini	Euro 5	0.000	0.000
Passenger Cars	Petrol Hybrid	Mini	Euro 6 up to 2016	0.000	0.000
Passenger Cars	Petrol Hybrid	Mini	Euro 6 2017-2019	0.000	0.000
Passenger Cars	Petrol Hybrid	Mini	Euro 6 2020+	0.000	0.000
Passenger Cars	Petrol Hybrid	Small	Euro 4	0.000	0.000
Passenger Cars	Petrol Hybrid	Small	Euro 5	0.000	0.000
Passenger Cars	Petrol Hybrid	Small	Euro 6 up to 2016	0.000	0.000
Passenger Cars	Petrol Hybrid	Small	Euro 6 2017-2019	0.000	0.000
Passenger Cars	Petrol Hybrid	Small	Euro 6 2020+	0.000	0.000
Passenger Cars	Petrol Hybrid	Medium	Euro 4	0.000	0.000
Passenger Cars	Petrol Hybrid	Medium	Euro 5	0.000	0.000
Passenger Cars	Petrol Hybrid	Medium	Euro 6 up to 2016	0.000	0.000
Passenger Cars	Petrol Hybrid	Medium	Euro 6 2017-2019	0.000	0.000
Passenger Cars	Petrol Hybrid	Medium	Euro 6 2020+	0.000	0.000
Passenger Cars	Petrol Hybrid	Large-SUV-Executive	Euro 4	0.000	0.000
Passenger Cars	Petrol Hybrid	Large-SUV-Executive	Euro 5	0.000	0.000
Passenger Cars	Petrol Hybrid	Large-SUV-Executive	Euro 6 up to 2016	0.000	0.000
Passenger Cars	Petrol Hybrid	Large-SUV-Executive	Euro 6 2017-2019	0.000	0.000
Passenger Cars	Petrol Hybrid	Large-SUV-Executive	Euro 6 2020+	0.000	0.000
Passenger Cars	LPG Bifuel	Mini	Euro 4	0.000	0.000
Passenger Cars	LPG Bifuel	Mini	Euro 5	0.000	0.000
Passenger Cars	LPG Bifuel	Mini	Euro 6	0.000	0.000
Passenger Cars	LPG Bifuel	Small	Conventional	0.000	0.000
Passenger Cars	LPG Bifuel	Small	Euro 1	0.003	0.003

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Passenger Cars	LPG Bifuel	Small	Euro 2	0.003	0.003
Passenger Cars	LPG Bifuel	Small	Euro 3	0.001	0.001
Passenger Cars	LPG Bifuel	Small	Euro 4	0.001	0.001
Passenger Cars	LPG Bifuel	Small	Euro 5	0.000	0.000
Passenger Cars	LPG Bifuel	Small	Euro 6	0.000	0.000
Passenger Cars	LPG Bifuel	Medium	Conventional	0.000	0.000
Passenger Cars	LPG Bifuel	Medium	Euro 1	0.000	0.000
Passenger Cars	LPG Bifuel	Medium	Euro 2	0.000	0.000
Passenger Cars	LPG Bifuel	Medium	Euro 3	0.000	0.000
Passenger Cars	LPG Bifuel	Medium	Euro 4	0.000	0.000
Passenger Cars	LPG Bifuel	Medium	Euro 5	0.000	0.000
Passenger Cars	LPG Bifuel	Medium	Euro 6	0.000	0.000
Passenger Cars	LPG Bifuel	Large-SUV-Executive	Conventional	0.000	0.000
Passenger Cars	LPG Bifuel	Large-SUV-Executive	Euro 1	0.000	0.000
Passenger Cars	LPG Bifuel	Large-SUV-Executive	Euro 2	0.000	0.000
Passenger Cars	LPG Bifuel	Large-SUV-Executive	Euro 3	0.000	0.000
Passenger Cars	LPG Bifuel	Large-SUV-Executive	Euro 4	0.000	0.000
Passenger Cars	LPG Bifuel	Large-SUV-Executive	Euro 5	0.000	0.000
Passenger Cars	LPG Bifuel	Large-SUV-Executive	Euro 6	0.000	0.000
Passenger Cars	CNG Bifuel	Mini	Euro 4	0.000	0.000
Passenger Cars	CNG Bifuel	Mini	Euro 5	0.000	0.000
Passenger Cars	CNG Bifuel	Mini	Euro 6	0.000	0.000
Passenger Cars	CNG Bifuel	Small	Euro 4	0.000	0.000
Passenger Cars	CNG Bifuel	Small	Euro 5	0.000	0.000
Passenger Cars	CNG Bifuel	Small	Euro 6	0.000	0.000
Passenger Cars	CNG Bifuel	Medium	Euro 4	0.000	0.000
Passenger Cars	CNG Bifuel	Medium	Euro 5	0.000	0.000

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Passenger Cars	CNG Bifuel	Medium	Euro 6	0.000	0.000
Passenger Cars	CNG Bifuel	Large-SUV-Executive	Euro 4	0.000	0.000
Passenger Cars	CNG Bifuel	Large-SUV-Executive	Euro 5	0.000	0.000
Passenger Cars	CNG Bifuel	Large-SUV-Executive	Euro 6	0.000	0.000
Light Commercial Vehicles	Petrol	N1-I	Conventional	0.000	0.000
Light Commercial Vehicles	Petrol	N1-I	Euro 1	0.000	0.000
Light Commercial Vehicles	Petrol	N1-I	Euro 2	0.000	0.000
Light Commercial Vehicles	Petrol	N1-I	Euro 3	0.000	0.000
Light Commercial Vehicles	Petrol	N1-I	Euro 4	0.000	0.000
Light Commercial Vehicles	Petrol	N1-I	Euro 5	0.000	0.000
Light Commercial Vehicles	Petrol	N1-I	Euro 6 up to 2016	0.000	0.000
Light Commercial Vehicles	Petrol	N1-I	Euro 6 2017-2019	0.000	0.000
Light Commercial Vehicles	Petrol	N1-I	Euro 6 2020+	0.000	0.000
Light Commercial Vehicles	Petrol	N1-II	Conventional	0.000	0.000
Light Commercial Vehicles	Petrol	N1-II	Euro 1	0.000	0.000
Light Commercial Vehicles	Petrol	N1-II	Euro 2	0.000	0.000
Light Commercial Vehicles	Petrol	N1-II	Euro 3	0.000	0.000
Light Commercial Vehicles	Petrol	N1-II	Euro 4	0.000	0.000
Light Commercial Vehicles	Petrol	N1-II	Euro 5	0.000	0.000

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Light Commercial Vehicles	Petrol	N1-II	Euro 6 up to 2017	0.000	0.000
Light Commercial Vehicles	Petrol	N1-II	Euro 6 2018-2020	0.000	0.000
Light Commercial Vehicles	Petrol	N1-II	Euro 6 2021+	0.000	0.000
Light Commercial Vehicles	Petrol	N1-III	Conventional	0.000	0.000
Light Commercial Vehicles	Petrol	N1-III	Euro 1	0.000	0.000
Light Commercial Vehicles	Petrol	N1-III	Euro 2	0.000	0.000
Light Commercial Vehicles	Petrol	N1-III	Euro 3	0.000	0.000
Light Commercial Vehicles	Petrol	N1-III	Euro 4	0.000	0.000
Light Commercial Vehicles	Petrol	N1-III	Euro 5	0.000	0.000
Light Commercial Vehicles	Petrol	N1-III	Euro 6 up to 2017	0.000	0.000
Light Commercial Vehicles	Petrol	N1-III	Euro 6 2018-2020	0.000	0.000
Light Commercial Vehicles	Petrol	N1-III	Euro 6 2021+	0.000	0.000
Light Commercial Vehicles	Diesel	N1-I	Conventional	0.000	0.000
Light Commercial Vehicles	Diesel	N1-I	Euro 1	0.000	0.000
Light Commercial Vehicles	Diesel	N1-I	Euro 2	0.000	0.000
Light Commercial Vehicles	Diesel	N1-I	Euro 3	0.000	0.000
Light Commercial Vehicles	Diesel	N1-I	Euro 4	0.000	0.000
Light Commercial Vehicles	Diesel	N1-I	Euro 5	0.000	0.000

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Light Commercial Vehicles	Diesel	N1-I	Euro 6 up to 2016	0.000	0.000
Light Commercial Vehicles	Diesel	N1-I	Euro 6 2017-2019	0.000	0.000
Light Commercial Vehicles	Diesel	N1-I	Euro 6 2020+	0.000	0.000
Light Commercial Vehicles	Diesel	N1-II	Conventional	0.000	0.000
Light Commercial Vehicles	Diesel	N1-II	Euro 1	0.000	0.000
Light Commercial Vehicles	Diesel	N1-II	Euro 2	0.000	0.000
Light Commercial Vehicles	Diesel	N1-II	Euro 3	0.000	0.000
Light Commercial Vehicles	Diesel	N1-II	Euro 4	0.000	0.000
Light Commercial Vehicles	Diesel	N1-II	Euro 5	0.000	0.000
Light Commercial Vehicles	Diesel	N1-II	Euro 6 up to 2017	0.000	0.000
Light Commercial Vehicles	Diesel	N1-II	Euro 6 2018-2020	0.000	0.000
Light Commercial Vehicles	Diesel	N1-II	Euro 6 2021+	0.000	0.000
Light Commercial Vehicles	Diesel	N1-III	Conventional	0.000	0.000
Light Commercial Vehicles	Diesel	N1-III	Euro 1	0.000	0.000
Light Commercial Vehicles	Diesel	N1-III	Euro 2	0.000	0.000
Light Commercial Vehicles	Diesel	N1-III	Euro 3	0.001	0.000
Light Commercial Vehicles	Diesel	N1-III	Euro 4	0.001	0.001
Light Commercial Vehicles	Diesel	N1-III	Euro 5	0.000	0.000

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Light Commercial Vehicles	Diesel	N1-III	Euro 6 up to 2017	0.000	0.000
Light Commercial Vehicles	Diesel	N1-III	Euro 6 2018-2020	0.000	0.000
Light Commercial Vehicles	Diesel	N1-III	Euro 6 2021+	0.000	0.000
Heavy Duty Trucks	Petrol	>3,5 t	Conventional	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid <=7,5 t	Conventional	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid <=7,5 t	Euro I	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid <=7,5 t	Euro II	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid <=7,5 t	Euro III	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid <=7,5 t	Euro IV	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid <=7,5 t	Euro V	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid <=7,5 t	Euro VI	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 7,5 - 12 t	Conventional	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 7,5 - 12 t	Euro I	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 7,5 - 12 t	Euro II	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 7,5 - 12 t	Euro III	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 7,5 - 12 t	Euro IV	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 7,5 - 12 t	Euro V	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 7,5 - 12 t	Euro VI	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 12 - 14 t	Conventional	0.001	0.000
Heavy Duty Trucks	Diesel	Rigid 12 - 14 t	Euro I	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 12 - 14 t	Euro II	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 12 - 14 t	Euro III	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 12 - 14 t	Euro IV	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 12 - 14 t	Euro V	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 12 - 14 t	Euro VI	0.000	0.000

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Conventional	0.001	0.000
Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Euro I	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Euro II	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Euro III	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Euro IV	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Euro V	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Euro VI	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Conventional	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Euro I	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Euro II	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Euro III	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Euro IV	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Euro V	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Euro VI	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 26 - 28 t	Conventional	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 26 - 28 t	Euro I	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 26 - 28 t	Euro II	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 26 - 28 t	Euro III	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 26 - 28 t	Euro IV	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 26 - 28 t	Euro V	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 26 - 28 t	Euro VI	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 28 - 32 t	Conventional	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 28 - 32 t	Euro I	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 28 - 32 t	Euro II	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 28 - 32 t	Euro III	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 28 - 32 t	Euro IV	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 28 - 32 t	Euro V	0.000	0.000

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Heavy Duty Trucks	Diesel	Rigid 28 - 32 t	Euro VI	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid >32 t	Conventional	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid >32 t	Euro I	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid >32 t	Euro II	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid >32 t	Euro III	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid >32 t	Euro IV	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid >32 t	Euro V	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid >32 t	Euro VI	0.000	0.001
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Conventional	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro I	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro II	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro III	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro IV	0.001	0.001
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro V	0.003	0.003
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro VI	0.002	0.003
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t	Conventional	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t	Euro I	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t	Euro II	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t	Euro III	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t	Euro IV	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t	Euro V	0.001	0.001
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t	Euro VI	0.001	0.001
Heavy Duty Trucks	Diesel	Articulated 28 - 34 t	Conventional	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 28 - 34 t	Euro I	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 28 - 34 t	Euro II	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 28 - 34 t	Euro III	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 28 - 34 t	Euro IV	0.000	0.000

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Heavy Duty Trucks	Diesel	Articulated 28 - 34 t	Euro V	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 28 - 34 t	Euro VI	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 34 - 40 t	Conventional	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 34 - 40 t	Euro I	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 34 - 40 t	Euro II	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 34 - 40 t	Euro III	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 34 - 40 t	Euro IV	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 34 - 40 t	Euro V	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 34 - 40 t	Euro VI	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 40 - 50 t	Conventional	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 40 - 50 t	Euro I	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 40 - 50 t	Euro II	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 40 - 50 t	Euro III	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 40 - 50 t	Euro IV	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 40 - 50 t	Euro V	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 40 - 50 t	Euro VI	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 50 - 60 t	Conventional	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 50 - 60 t	Euro I	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 50 - 60 t	Euro II	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 50 - 60 t	Euro III	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 50 - 60 t	Euro IV	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 50 - 60 t	Euro V	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 50 - 60 t	Euro VI	0.000	0.000
Buses	Diesel	Urban Buses Midi <=15 t	Conventional	0.000	0.000
Buses	Diesel	Urban Buses Midi <=15 t	Euro I	0.000	0.000
Buses	Diesel	Urban Buses Midi <=15 t	Euro II	0.000	0.000
Buses	Diesel	Urban Buses Midi <=15 t	Euro III	0.000	0.000

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Buses	Diesel	Urban Buses Midi <=15 t	Euro IV	0.000	0.000
Buses	Diesel	Urban Buses Midi <=15 t	Euro V	0.000	0.000
Buses	Diesel	Urban Buses Midi <=15 t	Euro VI	0.000	0.000
Buses	Diesel	Urban Buses Standard 15 - 18 t	Conventional	0.000	0.000
Buses	Diesel	Urban Buses Standard 15 - 18 t	Euro I	0.000	0.000
Buses	Diesel	Urban Buses Standard 15 - 18 t	Euro II	0.000	0.000
Buses	Diesel	Urban Buses Standard 15 - 18 t	Euro III	0.000	0.000
Buses	Diesel	Urban Buses Standard 15 - 18 t	Euro IV	0.000	0.000
Buses	Diesel	Urban Buses Standard 15 - 18 t	Euro V	0.000	0.000
Buses	Diesel	Urban Buses Standard 15 - 18 t	Euro VI	0.000	0.000
Buses	Diesel	Urban Buses Articulated >18 t	Conventional	0.000	0.000
Buses	Diesel	Urban Buses Articulated >18 t	Euro I	0.000	0.000
Buses	Diesel	Urban Buses Articulated >18 t	Euro II	0.000	0.000
Buses	Diesel	Urban Buses Articulated >18 t	Euro III	0.000	0.000
Buses	Diesel	Urban Buses Articulated >18 t	Euro IV	0.000	0.000
Buses	Diesel	Urban Buses Articulated >18 t	Euro V	0.000	0.000
Buses	Diesel	Urban Buses Articulated >18 t	Euro VI	0.000	0.000
Buses	Diesel	Coaches Standard <=18 t	Conventional	0.000	0.000
Buses	Diesel	Coaches Standard <=18 t	Euro I	0.000	0.000

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Buses	Diesel	Coaches Standard <=18 t	Euro II	0.000	0.000
Buses	Diesel	Coaches Standard <=18 t	Euro III	0.000	0.000
Buses	Diesel	Coaches Standard <=18 t	Euro IV	0.000	0.000
Buses	Diesel	Coaches Standard <=18 t	Euro V	0.000	0.000
Buses	Diesel	Coaches Standard <=18 t	Euro VI	0.000	0.000
Buses	Diesel	Coaches Articulated >18 t	Conventional	0.000	0.000
Buses	Diesel	Coaches Articulated >18 t	Euro I	0.000	0.000
Buses	Diesel	Coaches Articulated >18 t	Euro II	0.000	0.000
Buses	Diesel	Coaches Articulated >18 t	Euro III	0.000	0.000
Buses	Diesel	Coaches Articulated >18 t	Euro IV	0.000	0.000
Buses	Diesel	Coaches Articulated >18 t	Euro V	0.000	0.000
Buses	Diesel	Coaches Articulated >18 t	Euro VI	0.000	0.000
Buses	CNG	Urban CNG Buses	Euro I	0.000	0.000
Buses	CNG	Urban CNG Buses	Euro II	0.000	0.000
Buses	CNG	Urban CNG Buses	Euro III	0.000	0.000
Buses	CNG	Urban CNG Buses	EEV	0.000	0.000
Buses	Biodiesel	Urban Biodiesel Buses	Conventional	0.000	0.000
Buses	Biodiesel	Urban Biodiesel Buses	Euro I	0.000	0.000
Buses	Biodiesel	Urban Biodiesel Buses	Euro II	0.000	0.000

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Buses	Biodiesel	Urban Biodiesel Buses	Euro III	0.000	0.000
Buses	Biodiesel	Urban Biodiesel Buses	Euro IV	0.000	0.000
Buses	Biodiesel	Urban Biodiesel Buses	Euro V	0.000	0.000
Buses	Biodiesel	Urban Biodiesel Buses	Euro VI	0.000	0.000
L-Category	Petrol	Mopeds 2-stroke <50 cm ³	Conventional	0.000	0.000
L-Category	Petrol	Mopeds 2-stroke <50 cm ³	Euro 1	0.000	0.000
L-Category	Petrol	Mopeds 2-stroke <50 cm ³	Euro 2	0.000	0.000
L-Category	Petrol	Mopeds 2-stroke <50 cm ³	Euro 3	0.000	0.000
L-Category	Petrol	Mopeds 2-stroke <50 cm ³	Euro 4	0.000	0.000
L-Category	Petrol	Mopeds 2-stroke <50 cm ³	Euro 5	0.000	0.000
L-Category	Petrol	Mopeds 4-stroke <50 cm ³	Conventional	0.000	0.000
L-Category	Petrol	Mopeds 4-stroke <50 cm ³	Euro 1	0.000	0.000
L-Category	Petrol	Mopeds 4-stroke <50 cm ³	Euro 2	0.000	0.000
L-Category	Petrol	Mopeds 4-stroke <50 cm ³	Euro 3	0.000	0.000
L-Category	Petrol	Mopeds 4-stroke <50 cm ³	Euro 4	0.000	0.000
L-Category	Petrol	Mopeds 4-stroke <50 cm ³	Euro 5	0.000	0.000
L-Category	Petrol	Motorcycles 2-stroke >50 cm ³	Conventional	0.000	0.000
L-Category	Petrol	Motorcycles 2-stroke >50 cm ³	Euro 1	0.000	0.000
L-Category	Petrol	Motorcycles 2-stroke >50 cm ³	Euro 2	0.000	0.000
L-Category	Petrol	Motorcycles 2-stroke >50 cm ³	Euro 3	0.000	0.000
L-Category	Petrol	Motorcycles 2-stroke >50 cm ³	Euro 4	0.000	0.000
L-Category	Petrol	Motorcycles 2-stroke >50 cm ³	Euro 5	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke <250 cm ³	Conventional	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke <250 cm ³	Euro 1	0.000	0.000

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

L-Category	Petrol	Motorcycles 4-stroke <250 cm ³	Euro 2	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke <250 cm ³	Euro 3	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke <250 cm ³	Euro 4	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke <250 cm ³	Euro 5	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke 250 - 750 cm ³	Conventional	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke 250 - 750 cm ³	Euro 1	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke 250 - 750 cm ³	Euro 2	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke 250 - 750 cm ³	Euro 3	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke 250 - 750 cm ³	Euro 4	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke 250 - 750 cm ³	Euro 5	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke >750 cm ³	Conventional	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke >750 cm ³	Euro 1	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke >750 cm ³	Euro 2	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke >750 cm ³	Euro 3	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke >750 cm ³	Euro 4	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke >750 cm ³	Euro 5	0.000	0.000
L-Category	Petrol	Quad & ATVs	Euro 1	0.000	0.000
L-Category	Petrol	Quad & ATVs	Euro 2	0.000	0.000
L-Category	Petrol	Quad & ATVs	Euro 3	0.000	0.000
L-Category	Petrol	Quad & ATVs	Euro 4	0.000	0.000
L-Category	Petrol	Quad & ATVs	Euro 5	0.000	0.000

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

L-Category	Diesel	Micro-car	Euro 1	0.000	0.000
L-Category	Diesel	Micro-car	Euro 2	0.000	0.000
L-Category	Diesel	Micro-car	Euro 3	0.000	0.000
L-Category	Diesel	Micro-car	Euro 4	0.000	0.000
L-Category	Diesel	Micro-car	Euro 5	0.000	0.000
				0.066	0.067

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

NOx emissions

Category	Fuel	Segment	Euro Standard	2017_T	2018_T
Passenger Cars	Petrol	Mini	Euro 4	0	0
Passenger Cars	Petrol	Mini	Euro 5	0	0
Passenger Cars	Petrol	Mini	Euro 6 up to 2016	0	0
Passenger Cars	Petrol	Mini	Euro 6 2017-2019	0	0
Passenger Cars	Petrol	Mini	Euro 6 2020+	0	0
Passenger Cars	Petrol	Small	PRE ECE	0	0
Passenger Cars	Petrol	Small	ECE 15/00-01	0	0
Passenger Cars	Petrol	Small	ECE 15/02	0	0
Passenger Cars	Petrol	Small	ECE 15/03	0	0
Passenger Cars	Petrol	Small	ECE 15/04	0	0
Passenger Cars	Petrol	Small	Improved Conventional	0	0
Passenger Cars	Petrol	Small	Open Loop	0	0
Passenger Cars	Petrol	Small	Euro 1	0	0
Passenger Cars	Petrol	Small	Euro 2	0	0
Passenger Cars	Petrol	Small	Euro 3	0	0
Passenger Cars	Petrol	Small	Euro 4	0	0
Passenger Cars	Petrol	Small	Euro 5	0	0
Passenger Cars	Petrol	Small	Euro 6 up to 2016	0	0
Passenger Cars	Petrol	Small	Euro 6 2017-2019	0	0
Passenger Cars	Petrol	Small	Euro 6 2020+	0	0
Passenger Cars	Petrol	Medium	PRE ECE	0	0
Passenger Cars	Petrol	Medium	ECE 15/00-01	0	0
Passenger Cars	Petrol	Medium	ECE 15/02	0	0
Passenger Cars	Petrol	Medium	ECE 15/03	0	0
Passenger Cars	Petrol	Medium	ECE 15/04	0	0

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Passenger Cars	Petrol	Medium	Improved Conventional	0	0
Passenger Cars	Petrol	Medium	Open Loop	0	0
Passenger Cars	Petrol	Medium	Euro 1	0	0
Passenger Cars	Petrol	Medium	Euro 2	0	0
Passenger Cars	Petrol	Medium	Euro 3	0	0
Passenger Cars	Petrol	Medium	Euro 4	0	0
Passenger Cars	Petrol	Medium	Euro 5	0	0
Passenger Cars	Petrol	Medium	Euro 6 up to 2016	0	0
Passenger Cars	Petrol	Medium	Euro 6 2017-2019	0	0
Passenger Cars	Petrol	Medium	Euro 6 2020+	0	0
Passenger Cars	Petrol	Large-SUV-Executive	PRE ECE	0	0
Passenger Cars	Petrol	Large-SUV-Executive	ECE 15/00-01	0	0
Passenger Cars	Petrol	Large-SUV-Executive	ECE 15/02	0	0
Passenger Cars	Petrol	Large-SUV-Executive	ECE 15/03	0	0
Passenger Cars	Petrol	Large-SUV-Executive	ECE 15/04	0	0
Passenger Cars	Petrol	Large-SUV-Executive	Euro 1	0	0
Passenger Cars	Petrol	Large-SUV-Executive	Euro 2	0	0
Passenger Cars	Petrol	Large-SUV-Executive	Euro 3	0	0
Passenger Cars	Petrol	Large-SUV-Executive	Euro 4	0	0
Passenger Cars	Petrol	Large-SUV-Executive	Euro 5	0	0
Passenger Cars	Petrol	Large-SUV-Executive	Euro 6 up to 2016	0	0
Passenger Cars	Petrol	Large-SUV-Executive	Euro 6 2017-2019	0	0
Passenger Cars	Petrol	Large-SUV-Executive	Euro 6 2020+	0	0
Passenger Cars	Petrol	2-Stroke	Conventional	0	0
Passenger Cars	Diesel	Mini	Euro 4	0	0
Passenger Cars	Diesel	Mini	Euro 5	0	0
Passenger Cars	Diesel	Mini	Euro 6 up to 2016	0	0

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Passenger Cars	Diesel	Mini	Euro 6 2017-2019	0	0
Passenger Cars	Diesel	Mini	Euro 6 2020+	0	0
Passenger Cars	Diesel	Small	Conventional	0	0
Passenger Cars	Diesel	Small	Euro 1	0	0
Passenger Cars	Diesel	Small	Euro 2	1	1
Passenger Cars	Diesel	Small	Euro 3	1	1
Passenger Cars	Diesel	Small	Euro 4	0	1
Passenger Cars	Diesel	Small	Euro 5	0	0
Passenger Cars	Diesel	Small	Euro 6 up to 2016	0	0
Passenger Cars	Diesel	Small	Euro 6 2017-2019	0	0
Passenger Cars	Diesel	Small	Euro 6 2020+	0	0
Passenger Cars	Diesel	Medium	Conventional	0	0
Passenger Cars	Diesel	Medium	Euro 1	0	0
Passenger Cars	Diesel	Medium	Euro 2	0	0
Passenger Cars	Diesel	Medium	Euro 3	0	0
Passenger Cars	Diesel	Medium	Euro 4	0	0
Passenger Cars	Diesel	Medium	Euro 5	0	0
Passenger Cars	Diesel	Medium	Euro 6 up to 2016	0	0
Passenger Cars	Diesel	Medium	Euro 6 2017-2019	0	0
Passenger Cars	Diesel	Medium	Euro 6 2020+	0	0
Passenger Cars	Diesel	Large-SUV-Executive	Conventional	0	0
Passenger Cars	Diesel	Large-SUV-Executive	Euro 1	0	0
Passenger Cars	Diesel	Large-SUV-Executive	Euro 2	0	0
Passenger Cars	Diesel	Large-SUV-Executive	Euro 3	0	0
Passenger Cars	Diesel	Large-SUV-Executive	Euro 4	0	0
Passenger Cars	Diesel	Large-SUV-Executive	Euro 5	0	0
Passenger Cars	Diesel	Large-SUV-Executive	Euro 6 up to 2016	0	0

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Passenger Cars	Diesel	Large-SUV-Executive	Euro 6 2017-2019	0	0
Passenger Cars	Diesel	Large-SUV-Executive	Euro 6 2020+	0	0
Passenger Cars	Petrol Hybrid	Mini	Euro 4	0	0
Passenger Cars	Petrol Hybrid	Mini	Euro 5	0	0
Passenger Cars	Petrol Hybrid	Mini	Euro 6 up to 2016	0	0
Passenger Cars	Petrol Hybrid	Mini	Euro 6 2017-2019	0	0
Passenger Cars	Petrol Hybrid	Mini	Euro 6 2020+	0	0
Passenger Cars	Petrol Hybrid	Small	Euro 4	0	0
Passenger Cars	Petrol Hybrid	Small	Euro 5	0	0
Passenger Cars	Petrol Hybrid	Small	Euro 6 up to 2016	0	0
Passenger Cars	Petrol Hybrid	Small	Euro 6 2017-2019	0	0
Passenger Cars	Petrol Hybrid	Small	Euro 6 2020+	0	0
Passenger Cars	Petrol Hybrid	Medium	Euro 4	0	0
Passenger Cars	Petrol Hybrid	Medium	Euro 5	0	0
Passenger Cars	Petrol Hybrid	Medium	Euro 6 up to 2016	0	0
Passenger Cars	Petrol Hybrid	Medium	Euro 6 2017-2019	0	0
Passenger Cars	Petrol Hybrid	Medium	Euro 6 2020+	0	0
Passenger Cars	Petrol Hybrid	Large-SUV-Executive	Euro 4	0	0
Passenger Cars	Petrol Hybrid	Large-SUV-Executive	Euro 5	0	0
Passenger Cars	Petrol Hybrid	Large-SUV-Executive	Euro 6 up to 2016	0	0
Passenger Cars	Petrol Hybrid	Large-SUV-Executive	Euro 6 2017-2019	0	0
Passenger Cars	Petrol Hybrid	Large-SUV-Executive	Euro 6 2020+	0	0
Passenger Cars	LPG Bifuel	Mini	Euro 4	0	0
Passenger Cars	LPG Bifuel	Mini	Euro 5	0	0
Passenger Cars	LPG Bifuel	Mini	Euro 6	0	0
Passenger Cars	LPG Bifuel	Small	Conventional	0	0
Passenger Cars	LPG Bifuel	Small	Euro 1	0	0

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Passenger Cars	LPG Bifuel	Small	Euro 2	0	0
Passenger Cars	LPG Bifuel	Small	Euro 3	0	0
Passenger Cars	LPG Bifuel	Small	Euro 4	0	0
Passenger Cars	LPG Bifuel	Small	Euro 5	0	0
Passenger Cars	LPG Bifuel	Small	Euro 6	0	0
Passenger Cars	LPG Bifuel	Medium	Conventional	0	0
Passenger Cars	LPG Bifuel	Medium	Euro 1	0	0
Passenger Cars	LPG Bifuel	Medium	Euro 2	0	0
Passenger Cars	LPG Bifuel	Medium	Euro 3	0	0
Passenger Cars	LPG Bifuel	Medium	Euro 4	0	0
Passenger Cars	LPG Bifuel	Medium	Euro 5	0	0
Passenger Cars	LPG Bifuel	Medium	Euro 6	0	0
Passenger Cars	LPG Bifuel	Large-SUV-Executive	Conventional	0	0
Passenger Cars	LPG Bifuel	Large-SUV-Executive	Euro 1	0	0
Passenger Cars	LPG Bifuel	Large-SUV-Executive	Euro 2	0	0
Passenger Cars	LPG Bifuel	Large-SUV-Executive	Euro 3	0	0
Passenger Cars	LPG Bifuel	Large-SUV-Executive	Euro 4	0	0
Passenger Cars	LPG Bifuel	Large-SUV-Executive	Euro 5	0	0
Passenger Cars	LPG Bifuel	Large-SUV-Executive	Euro 6	0	0
Passenger Cars	CNG Bifuel	Mini	Euro 4	0	0
Passenger Cars	CNG Bifuel	Mini	Euro 5	0	0
Passenger Cars	CNG Bifuel	Mini	Euro 6	0	0
Passenger Cars	CNG Bifuel	Small	Euro 4	0	0
Passenger Cars	CNG Bifuel	Small	Euro 5	0	0
Passenger Cars	CNG Bifuel	Small	Euro 6	0	0
Passenger Cars	CNG Bifuel	Medium	Euro 4	0	0
Passenger Cars	CNG Bifuel	Medium	Euro 5	0	0

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Passenger Cars	CNG Bifuel	Medium	Euro 6	0	0
Passenger Cars	CNG Bifuel	Large-SUV-Executive	Euro 4	0	0
Passenger Cars	CNG Bifuel	Large-SUV-Executive	Euro 5	0	0
Passenger Cars	CNG Bifuel	Large-SUV-Executive	Euro 6	0	0
Light Commercial Vehicles	Petrol	N1-I	Conventional	0	0
Light Commercial Vehicles	Petrol	N1-I	Euro 1	0	0
Light Commercial Vehicles	Petrol	N1-I	Euro 2	0	0
Light Commercial Vehicles	Petrol	N1-I	Euro 3	0	0
Light Commercial Vehicles	Petrol	N1-I	Euro 4	0	0
Light Commercial Vehicles	Petrol	N1-I	Euro 5	0	0
Light Commercial Vehicles	Petrol	N1-I	Euro 6 up to 2016	0	0
Light Commercial Vehicles	Petrol	N1-I	Euro 6 2017-2019	0	0
Light Commercial Vehicles	Petrol	N1-I	Euro 6 2020+	0	0
Light Commercial Vehicles	Petrol	N1-II	Conventional	0	0
Light Commercial Vehicles	Petrol	N1-II	Euro 1	0	0
Light Commercial Vehicles	Petrol	N1-II	Euro 2	0	0
Light Commercial Vehicles	Petrol	N1-II	Euro 3	0	0
Light Commercial Vehicles	Petrol	N1-II	Euro 4	0	0
Light Commercial Vehicles	Petrol	N1-II	Euro 5	0	0

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Light Commercial Vehicles	Petrol	N1-II	Euro 6 up to 2017	0	0
Light Commercial Vehicles	Petrol	N1-II	Euro 6 2018-2020	0	0
Light Commercial Vehicles	Petrol	N1-II	Euro 6 2021+	0	0
Light Commercial Vehicles	Petrol	N1-III	Conventional	0	0
Light Commercial Vehicles	Petrol	N1-III	Euro 1	0	0
Light Commercial Vehicles	Petrol	N1-III	Euro 2	0	0
Light Commercial Vehicles	Petrol	N1-III	Euro 3	0	0
Light Commercial Vehicles	Petrol	N1-III	Euro 4	0	0
Light Commercial Vehicles	Petrol	N1-III	Euro 5	0	0
Light Commercial Vehicles	Petrol	N1-III	Euro 6 up to 2017	0	0
Light Commercial Vehicles	Petrol	N1-III	Euro 6 2018-2020	0	0
Light Commercial Vehicles	Petrol	N1-III	Euro 6 2021+	0	0
Light Commercial Vehicles	Diesel	N1-I	Conventional	0	0
Light Commercial Vehicles	Diesel	N1-I	Euro 1	0	0
Light Commercial Vehicles	Diesel	N1-I	Euro 2	0	0
Light Commercial Vehicles	Diesel	N1-I	Euro 3	0	0
Light Commercial Vehicles	Diesel	N1-I	Euro 4	0	0
Light Commercial Vehicles	Diesel	N1-I	Euro 5	0	0

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Light Commercial Vehicles	Diesel	N1-I	Euro 6 up to 2016	0	0
Light Commercial Vehicles	Diesel	N1-I	Euro 6 2017-2019	0	0
Light Commercial Vehicles	Diesel	N1-I	Euro 6 2020+	0	0
Light Commercial Vehicles	Diesel	N1-II	Conventional	0	0
Light Commercial Vehicles	Diesel	N1-II	Euro 1	0	0
Light Commercial Vehicles	Diesel	N1-II	Euro 2	0	0
Light Commercial Vehicles	Diesel	N1-II	Euro 3	0	0
Light Commercial Vehicles	Diesel	N1-II	Euro 4	0	0
Light Commercial Vehicles	Diesel	N1-II	Euro 5	0	0
Light Commercial Vehicles	Diesel	N1-II	Euro 6 up to 2017	0	0
Light Commercial Vehicles	Diesel	N1-II	Euro 6 2018-2020	0	0
Light Commercial Vehicles	Diesel	N1-II	Euro 6 2021+	0	0
Light Commercial Vehicles	Diesel	N1-III	Conventional	0	0
Light Commercial Vehicles	Diesel	N1-III	Euro 1	0	0
Light Commercial Vehicles	Diesel	N1-III	Euro 2	0	0
Light Commercial Vehicles	Diesel	N1-III	Euro 3	0	0
Light Commercial Vehicles	Diesel	N1-III	Euro 4	0	0
Light Commercial Vehicles	Diesel	N1-III	Euro 5	0	0

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Light Commercial Vehicles	Diesel	N1-III	Euro 6 up to 2017	0	0
Light Commercial Vehicles	Diesel	N1-III	Euro 6 2018-2020	0	0
Light Commercial Vehicles	Diesel	N1-III	Euro 6 2021+	0	0
Heavy Duty Trucks	Petrol	>3,5 t	Conventional	0	0
Heavy Duty Trucks	Diesel	Rigid <=7,5 t	Conventional	0	0
Heavy Duty Trucks	Diesel	Rigid <=7,5 t	Euro I	0	0
Heavy Duty Trucks	Diesel	Rigid <=7,5 t	Euro II	0	0
Heavy Duty Trucks	Diesel	Rigid <=7,5 t	Euro III	0	0
Heavy Duty Trucks	Diesel	Rigid <=7,5 t	Euro IV	0	0
Heavy Duty Trucks	Diesel	Rigid <=7,5 t	Euro V	0	0
Heavy Duty Trucks	Diesel	Rigid <=7,5 t	Euro VI	0	0
Heavy Duty Trucks	Diesel	Rigid 7,5 - 12 t	Conventional	0	0
Heavy Duty Trucks	Diesel	Rigid 7,5 - 12 t	Euro I	0	0
Heavy Duty Trucks	Diesel	Rigid 7,5 - 12 t	Euro II	0	0
Heavy Duty Trucks	Diesel	Rigid 7,5 - 12 t	Euro III	0	0
Heavy Duty Trucks	Diesel	Rigid 7,5 - 12 t	Euro IV	0	0
Heavy Duty Trucks	Diesel	Rigid 7,5 - 12 t	Euro V	0	0
Heavy Duty Trucks	Diesel	Rigid 7,5 - 12 t	Euro VI	0	0
Heavy Duty Trucks	Diesel	Rigid 12 - 14 t	Conventional	0	0
Heavy Duty Trucks	Diesel	Rigid 12 - 14 t	Euro I	0	0
Heavy Duty Trucks	Diesel	Rigid 12 - 14 t	Euro II	0	0
Heavy Duty Trucks	Diesel	Rigid 12 - 14 t	Euro III	0	0
Heavy Duty Trucks	Diesel	Rigid 12 - 14 t	Euro IV	0	0
Heavy Duty Trucks	Diesel	Rigid 12 - 14 t	Euro V	0	0
Heavy Duty Trucks	Diesel	Rigid 12 - 14 t	Euro VI	0	0

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Conventional	0	0
Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Euro I	0	0
Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Euro II	0	0
Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Euro III	0	0
Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Euro IV	0	0
Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Euro V	0	0
Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Euro VI	0	0
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Conventional	0	0
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Euro I	0	0
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Euro II	0	0
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Euro III	0	0
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Euro IV	0	0
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Euro V	0	0
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Euro VI	0	0
Heavy Duty Trucks	Diesel	Rigid 26 - 28 t	Conventional	0	0
Heavy Duty Trucks	Diesel	Rigid 26 - 28 t	Euro I	0	0
Heavy Duty Trucks	Diesel	Rigid 26 - 28 t	Euro II	0	0
Heavy Duty Trucks	Diesel	Rigid 26 - 28 t	Euro III	0	0
Heavy Duty Trucks	Diesel	Rigid 26 - 28 t	Euro IV	0	0
Heavy Duty Trucks	Diesel	Rigid 26 - 28 t	Euro V	0	0
Heavy Duty Trucks	Diesel	Rigid 26 - 28 t	Euro VI	0	0
Heavy Duty Trucks	Diesel	Rigid 28 - 32 t	Conventional	0	0
Heavy Duty Trucks	Diesel	Rigid 28 - 32 t	Euro I	0	0
Heavy Duty Trucks	Diesel	Rigid 28 - 32 t	Euro II	0	0
Heavy Duty Trucks	Diesel	Rigid 28 - 32 t	Euro III	0	0
Heavy Duty Trucks	Diesel	Rigid 28 - 32 t	Euro IV	0	0
Heavy Duty Trucks	Diesel	Rigid 28 - 32 t	Euro V	0	0

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Heavy Duty Trucks	Diesel	Rigid 28 - 32 t	Euro VI	0	0
Heavy Duty Trucks	Diesel	Rigid >32 t	Conventional	0	0
Heavy Duty Trucks	Diesel	Rigid >32 t	Euro I	0	0
Heavy Duty Trucks	Diesel	Rigid >32 t	Euro II	0	0
Heavy Duty Trucks	Diesel	Rigid >32 t	Euro III	0	0
Heavy Duty Trucks	Diesel	Rigid >32 t	Euro IV	0	0
Heavy Duty Trucks	Diesel	Rigid >32 t	Euro V	0	0
Heavy Duty Trucks	Diesel	Rigid >32 t	Euro VI	0	0
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Conventional	0	0
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro I	0	0
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro II	0	0
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro III	0	0
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro IV	0	0
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro V	0	0
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro VI	0	0
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t	Conventional	0	0
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t	Euro I	0	0
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t	Euro II	0	0
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t	Euro III	0	0
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t	Euro IV	0	0
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t	Euro V	0	0
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t	Euro VI	0	0
Heavy Duty Trucks	Diesel	Articulated 28 - 34 t	Conventional	0	0
Heavy Duty Trucks	Diesel	Articulated 28 - 34 t	Euro I	0	0
Heavy Duty Trucks	Diesel	Articulated 28 - 34 t	Euro II	0	0
Heavy Duty Trucks	Diesel	Articulated 28 - 34 t	Euro III	0	0
Heavy Duty Trucks	Diesel	Articulated 28 - 34 t	Euro IV	0	0

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Heavy Duty Trucks	Diesel	Articulated 28 - 34 t	Euro V	0	0
Heavy Duty Trucks	Diesel	Articulated 28 - 34 t	Euro VI	0	0
Heavy Duty Trucks	Diesel	Articulated 34 - 40 t	Conventional	0	0
Heavy Duty Trucks	Diesel	Articulated 34 - 40 t	Euro I	0	0
Heavy Duty Trucks	Diesel	Articulated 34 - 40 t	Euro II	0	0
Heavy Duty Trucks	Diesel	Articulated 34 - 40 t	Euro III	0	0
Heavy Duty Trucks	Diesel	Articulated 34 - 40 t	Euro IV	0	0
Heavy Duty Trucks	Diesel	Articulated 34 - 40 t	Euro V	0	0
Heavy Duty Trucks	Diesel	Articulated 34 - 40 t	Euro VI	0	0
Heavy Duty Trucks	Diesel	Articulated 40 - 50 t	Conventional	0	0
Heavy Duty Trucks	Diesel	Articulated 40 - 50 t	Euro I	0	0
Heavy Duty Trucks	Diesel	Articulated 40 - 50 t	Euro II	0	0
Heavy Duty Trucks	Diesel	Articulated 40 - 50 t	Euro III	0	0
Heavy Duty Trucks	Diesel	Articulated 40 - 50 t	Euro IV	0	0
Heavy Duty Trucks	Diesel	Articulated 40 - 50 t	Euro V	0	0
Heavy Duty Trucks	Diesel	Articulated 40 - 50 t	Euro VI	0	0
Heavy Duty Trucks	Diesel	Articulated 50 - 60 t	Conventional	0	0
Heavy Duty Trucks	Diesel	Articulated 50 - 60 t	Euro I	0	0
Heavy Duty Trucks	Diesel	Articulated 50 - 60 t	Euro II	0	0
Heavy Duty Trucks	Diesel	Articulated 50 - 60 t	Euro III	0	0
Heavy Duty Trucks	Diesel	Articulated 50 - 60 t	Euro IV	0	0
Heavy Duty Trucks	Diesel	Articulated 50 - 60 t	Euro V	0	0
Heavy Duty Trucks	Diesel	Articulated 50 - 60 t	Euro VI	0	0
Buses	Diesel	Urban Buses Midi <=15 t	Conventional	0	0
Buses	Diesel	Urban Buses Midi <=15 t	Euro I	0	0
Buses	Diesel	Urban Buses Midi <=15 t	Euro II	0	0
Buses	Diesel	Urban Buses Midi <=15 t	Euro III	0	0

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Buses	Diesel	Urban Buses Midi <=15 t	Euro IV	0	0
Buses	Diesel	Urban Buses Midi <=15 t	Euro V	0	0
Buses	Diesel	Urban Buses Midi <=15 t	Euro VI	0	0
Buses	Diesel	Urban Buses Standard 15 - 18 t	Conventional	0	0
Buses	Diesel	Urban Buses Standard 15 - 18 t	Euro I	0	0
Buses	Diesel	Urban Buses Standard 15 - 18 t	Euro II	0	0
Buses	Diesel	Urban Buses Standard 15 - 18 t	Euro III	0	0
Buses	Diesel	Urban Buses Standard 15 - 18 t	Euro IV	0	0
Buses	Diesel	Urban Buses Standard 15 - 18 t	Euro V	0	0
Buses	Diesel	Urban Buses Standard 15 - 18 t	Euro VI	0	0
Buses	Diesel	Urban Buses Articulated >18 t	Conventional	0	0
Buses	Diesel	Urban Buses Articulated >18 t	Euro I	0	0
Buses	Diesel	Urban Buses Articulated >18 t	Euro II	0	0
Buses	Diesel	Urban Buses Articulated >18 t	Euro III	0	0
Buses	Diesel	Urban Buses Articulated >18 t	Euro IV	0	0
Buses	Diesel	Urban Buses Articulated >18 t	Euro V	0	0
Buses	Diesel	Urban Buses Articulated >18 t	Euro VI	0	0
Buses	Diesel	Coaches Standard <=18 t	Conventional	0	0
Buses	Diesel	Coaches Standard <=18 t	Euro I	0	0

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Buses	Diesel	Coaches Standard <=18 t	Euro II	0	0
Buses	Diesel	Coaches Standard <=18 t	Euro III	0	0
Buses	Diesel	Coaches Standard <=18 t	Euro IV	0	0
Buses	Diesel	Coaches Standard <=18 t	Euro V	0	0
Buses	Diesel	Coaches Standard <=18 t	Euro VI	0	0
Buses	Diesel	Coaches Articulated >18 t	Conventional	0	0
Buses	Diesel	Coaches Articulated >18 t	Euro I	0	0
Buses	Diesel	Coaches Articulated >18 t	Euro II	0	0
Buses	Diesel	Coaches Articulated >18 t	Euro III	0	0
Buses	Diesel	Coaches Articulated >18 t	Euro IV	0	0
Buses	Diesel	Coaches Articulated >18 t	Euro V	0	0
Buses	Diesel	Coaches Articulated >18 t	Euro VI	0	0
Buses	CNG	Urban CNG Buses	Euro I	0	0
Buses	CNG	Urban CNG Buses	Euro II	0	0
Buses	CNG	Urban CNG Buses	Euro III	0	0
Buses	CNG	Urban CNG Buses	EEV	0	0
Buses	Biodiesel	Urban Biodiesel Buses	Conventional	0	0
Buses	Biodiesel	Urban Biodiesel Buses	Euro I	0	0
Buses	Biodiesel	Urban Biodiesel Buses	Euro II	0	0

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Buses	Biodiesel	Urban Biodiesel Buses	Euro III	0	0
Buses	Biodiesel	Urban Biodiesel Buses	Euro IV	0	0
Buses	Biodiesel	Urban Biodiesel Buses	Euro V	0	0
Buses	Biodiesel	Urban Biodiesel Buses	Euro VI	0	0
L-Category	Petrol	Mopeds 2-stroke <50 cm ³	Conventional	0	0
L-Category	Petrol	Mopeds 2-stroke <50 cm ³	Euro 1	0	0
L-Category	Petrol	Mopeds 2-stroke <50 cm ³	Euro 2	0	0
L-Category	Petrol	Mopeds 2-stroke <50 cm ³	Euro 3	0	0
L-Category	Petrol	Mopeds 2-stroke <50 cm ³	Euro 4	0	0
L-Category	Petrol	Mopeds 2-stroke <50 cm ³	Euro 5	0	0
L-Category	Petrol	Mopeds 4-stroke <50 cm ³	Conventional	0	0
L-Category	Petrol	Mopeds 4-stroke <50 cm ³	Euro 1	0	0
L-Category	Petrol	Mopeds 4-stroke <50 cm ³	Euro 2	0	0
L-Category	Petrol	Mopeds 4-stroke <50 cm ³	Euro 3	0	0
L-Category	Petrol	Mopeds 4-stroke <50 cm ³	Euro 4	0	0
L-Category	Petrol	Mopeds 4-stroke <50 cm ³	Euro 5	0	0
L-Category	Petrol	Motorcycles 2-stroke >50 cm ³	Conventional	0	0
L-Category	Petrol	Motorcycles 2-stroke >50 cm ³	Euro 1	0	0
L-Category	Petrol	Motorcycles 2-stroke >50 cm ³	Euro 2	0	0
L-Category	Petrol	Motorcycles 2-stroke >50 cm ³	Euro 3	0	0
L-Category	Petrol	Motorcycles 2-stroke >50 cm ³	Euro 4	0	0
L-Category	Petrol	Motorcycles 2-stroke >50 cm ³	Euro 5	0	0
L-Category	Petrol	Motorcycles 4-stroke <250 cm ³	Conventional	0	0
L-Category	Petrol	Motorcycles 4-stroke <250 cm ³	Euro 1	0	0

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

L-Category	Petrol	Motorcycles 4-stroke <250 cm ³	Euro 2	0	0
L-Category	Petrol	Motorcycles 4-stroke <250 cm ³	Euro 3	0	0
L-Category	Petrol	Motorcycles 4-stroke <250 cm ³	Euro 4	0	0
L-Category	Petrol	Motorcycles 4-stroke <250 cm ³	Euro 5	0	0
L-Category	Petrol	Motorcycles 4-stroke 250 - 750 cm ³	Conventional	0	0
L-Category	Petrol	Motorcycles 4-stroke 250 - 750 cm ³	Euro 1	0	0
L-Category	Petrol	Motorcycles 4-stroke 250 - 750 cm ³	Euro 2	0	0
L-Category	Petrol	Motorcycles 4-stroke 250 - 750 cm ³	Euro 3	0	0
L-Category	Petrol	Motorcycles 4-stroke 250 - 750 cm ³	Euro 4	0	0
L-Category	Petrol	Motorcycles 4-stroke 250 - 750 cm ³	Euro 5	0	0
L-Category	Petrol	Motorcycles 4-stroke >750 cm ³	Conventional	0	0
L-Category	Petrol	Motorcycles 4-stroke >750 cm ³	Euro 1	0	0
L-Category	Petrol	Motorcycles 4-stroke >750 cm ³	Euro 2	0	0
L-Category	Petrol	Motorcycles 4-stroke >750 cm ³	Euro 3	0	0
L-Category	Petrol	Motorcycles 4-stroke >750 cm ³	Euro 4	0	0
L-Category	Petrol	Motorcycles 4-stroke >750 cm ³	Euro 5	0	0
L-Category	Petrol	Quad & ATVs	Euro 1	0	0
L-Category	Petrol	Quad & ATVs	Euro 2	0	0
L-Category	Petrol	Quad & ATVs	Euro 3	0	0
L-Category	Petrol	Quad & ATVs	Euro 4	0	0
L-Category	Petrol	Quad & ATVs	Euro 5	0	0

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

L-Category	Diesel	Micro-car	Euro 1	0	0
L-Category	Diesel	Micro-car	Euro 2	0	0
L-Category	Diesel	Micro-car	Euro 3	0	0
L-Category	Diesel	Micro-car	Euro 4	0	0
L-Category	Diesel	Micro-car	Euro 5	0	0

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

CO emissions

Category	Fuel	Segment	Euro Standard	2017_T	2018_T
Passenger Cars	Petrol	Mini	Euro 4	0.025	0.022
Passenger Cars	Petrol	Mini	Euro 5	0.000	0.000
Passenger Cars	Petrol	Mini	Euro 6 up to 2016	0.000	0.000
Passenger Cars	Petrol	Mini	Euro 6 2017-2019	0.000	0.000
Passenger Cars	Petrol	Mini	Euro 6 2020+	0.000	0.000
Passenger Cars	Petrol	Small	PRE ECE	0.008	0.005
Passenger Cars	Petrol	Small	ECE 15/00-01	0.054	0.044
Passenger Cars	Petrol	Small	ECE 15/02	0.068	0.049
Passenger Cars	Petrol	Small	ECE 15/03	0.207	0.150
Passenger Cars	Petrol	Small	ECE 15/04	0.629	0.469
Passenger Cars	Petrol	Small	Improved Conventional	0.000	0.000
Passenger Cars	Petrol	Small	Open Loop	0.000	0.000
Passenger Cars	Petrol	Small	Euro 1	0.349	0.322
Passenger Cars	Petrol	Small	Euro 2	0.593	0.567
Passenger Cars	Petrol	Small	Euro 3	0.298	0.266
Passenger Cars	Petrol	Small	Euro 4	0.177	0.178
Passenger Cars	Petrol	Small	Euro 5	0.052	0.051
Passenger Cars	Petrol	Small	Euro 6 up to 2016	0.011	0.011
Passenger Cars	Petrol	Small	Euro 6 2017-2019	0.012	0.028
Passenger Cars	Petrol	Small	Euro 6 2020+	0.000	0.000
Passenger Cars	Petrol	Medium	PRE ECE	0.004	0.004
Passenger Cars	Petrol	Medium	ECE 15/00-01	0.010	0.008
Passenger Cars	Petrol	Medium	ECE 15/02	0.018	0.013
Passenger Cars	Petrol	Medium	ECE 15/03	0.092	0.066
Passenger Cars	Petrol	Medium	ECE 15/04	0.229	0.172

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Passenger Cars	Petrol	Medium	Improved Conventional	0.000	0.000
Passenger Cars	Petrol	Medium	Open Loop	0.000	0.000
Passenger Cars	Petrol	Medium	Euro 1	0.209	0.166
Passenger Cars	Petrol	Medium	Euro 2	0.299	0.246
Passenger Cars	Petrol	Medium	Euro 3	0.182	0.157
Passenger Cars	Petrol	Medium	Euro 4	0.051	0.052
Passenger Cars	Petrol	Medium	Euro 5	0.024	0.024
Passenger Cars	Petrol	Medium	Euro 6 up to 2016	0.009	0.011
Passenger Cars	Petrol	Medium	Euro 6 2017-2019	0.006	0.019
Passenger Cars	Petrol	Medium	Euro 6 2020+	0.000	0.000
Passenger Cars	Petrol	Large-SUV-Executive	PRE ECE	0.005	0.004
Passenger Cars	Petrol	Large-SUV-Executive	ECE 15/00-01	0.007	0.005
Passenger Cars	Petrol	Large-SUV-Executive	ECE 15/02	0.006	0.004
Passenger Cars	Petrol	Large-SUV-Executive	ECE 15/03	0.013	0.010
Passenger Cars	Petrol	Large-SUV-Executive	ECE 15/04	0.025	0.019
Passenger Cars	Petrol	Large-SUV-Executive	Euro 1	0.012	0.009
Passenger Cars	Petrol	Large-SUV-Executive	Euro 2	0.022	0.018
Passenger Cars	Petrol	Large-SUV-Executive	Euro 3	0.024	0.021
Passenger Cars	Petrol	Large-SUV-Executive	Euro 4	0.007	0.007
Passenger Cars	Petrol	Large-SUV-Executive	Euro 5	0.003	0.003
Passenger Cars	Petrol	Large-SUV-Executive	Euro 6 up to 2016	0.002	0.002
Passenger Cars	Petrol	Large-SUV-Executive	Euro 6 2017-2019	0.001	0.002
Passenger Cars	Petrol	Large-SUV-Executive	Euro 6 2020+	0.000	0.000
Passenger Cars	Petrol	2-Stroke	Conventional	0.000	0.000
Passenger Cars	Diesel	Mini	Euro 4	0.018	0.023
Passenger Cars	Diesel	Mini	Euro 5	0.003	0.003
Passenger Cars	Diesel	Mini	Euro 6 up to 2016	0.001	0.001

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Passenger Cars	Diesel	Mini	Euro 6 2017-2019	0.000	0.001
Passenger Cars	Diesel	Mini	Euro 6 2020+	0.000	0.000
Passenger Cars	Diesel	Small	Conventional	0.062	0.051
Passenger Cars	Diesel	Small	Euro 1	0.096	0.080
Passenger Cars	Diesel	Small	Euro 2	0.312	0.274
Passenger Cars	Diesel	Small	Euro 3	0.152	0.142
Passenger Cars	Diesel	Small	Euro 4	0.092	0.126
Passenger Cars	Diesel	Small	Euro 5	0.017	0.019
Passenger Cars	Diesel	Small	Euro 6 up to 2016	0.008	0.008
Passenger Cars	Diesel	Small	Euro 6 2017-2019	0.004	0.008
Passenger Cars	Diesel	Small	Euro 6 2020+	0.000	0.000
Passenger Cars	Diesel	Medium	Conventional	0.000	0.000
Passenger Cars	Diesel	Medium	Euro 1	0.000	0.000
Passenger Cars	Diesel	Medium	Euro 2	0.000	0.000
Passenger Cars	Diesel	Medium	Euro 3	0.000	0.000
Passenger Cars	Diesel	Medium	Euro 4	0.000	0.000
Passenger Cars	Diesel	Medium	Euro 5	0.000	0.000
Passenger Cars	Diesel	Medium	Euro 6 up to 2016	0.000	0.000
Passenger Cars	Diesel	Medium	Euro 6 2017-2019	0.000	0.000
Passenger Cars	Diesel	Medium	Euro 6 2020+	0.000	0.000
Passenger Cars	Diesel	Large-SUV-Executive	Conventional	0.011	0.009
Passenger Cars	Diesel	Large-SUV-Executive	Euro 1	0.016	0.014
Passenger Cars	Diesel	Large-SUV-Executive	Euro 2	0.072	0.062
Passenger Cars	Diesel	Large-SUV-Executive	Euro 3	0.047	0.043
Passenger Cars	Diesel	Large-SUV-Executive	Euro 4	0.026	0.031
Passenger Cars	Diesel	Large-SUV-Executive	Euro 5	0.005	0.005
Passenger Cars	Diesel	Large-SUV-Executive	Euro 6 up to 2016	0.001	0.002

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Passenger Cars	Diesel	Large-SUV-Executive	Euro 6 2017-2019	0.000	0.000
Passenger Cars	Diesel	Large-SUV-Executive	Euro 6 2020+	0.000	0.000
Passenger Cars	Petrol Hybrid	Mini	Euro 4	0.000	0.000
Passenger Cars	Petrol Hybrid	Mini	Euro 5	0.000	0.000
Passenger Cars	Petrol Hybrid	Mini	Euro 6 up to 2016	0.000	0.000
Passenger Cars	Petrol Hybrid	Mini	Euro 6 2017-2019	0.000	0.000
Passenger Cars	Petrol Hybrid	Mini	Euro 6 2020+	0.000	0.000
Passenger Cars	Petrol Hybrid	Small	Euro 4	0.000	0.000
Passenger Cars	Petrol Hybrid	Small	Euro 5	0.000	0.000
Passenger Cars	Petrol Hybrid	Small	Euro 6 up to 2016	0.000	0.000
Passenger Cars	Petrol Hybrid	Small	Euro 6 2017-2019	0.000	0.000
Passenger Cars	Petrol Hybrid	Small	Euro 6 2020+	0.000	0.000
Passenger Cars	Petrol Hybrid	Medium	Euro 4	0.000	0.000
Passenger Cars	Petrol Hybrid	Medium	Euro 5	0.000	0.000
Passenger Cars	Petrol Hybrid	Medium	Euro 6 up to 2016	0.000	0.000
Passenger Cars	Petrol Hybrid	Medium	Euro 6 2017-2019	0.000	0.000
Passenger Cars	Petrol Hybrid	Medium	Euro 6 2020+	0.000	0.000
Passenger Cars	Petrol Hybrid	Large-SUV-Executive	Euro 4	0.000	0.000
Passenger Cars	Petrol Hybrid	Large-SUV-Executive	Euro 5	0.000	0.000
Passenger Cars	Petrol Hybrid	Large-SUV-Executive	Euro 6 up to 2016	0.000	0.000
Passenger Cars	Petrol Hybrid	Large-SUV-Executive	Euro 6 2017-2019	0.000	0.000
Passenger Cars	Petrol Hybrid	Large-SUV-Executive	Euro 6 2020+	0.000	0.000
Passenger Cars	LPG Bifuel	Mini	Euro 4	0.000	0.000
Passenger Cars	LPG Bifuel	Mini	Euro 5	0.000	0.000
Passenger Cars	LPG Bifuel	Mini	Euro 6	0.000	0.000
Passenger Cars	LPG Bifuel	Small	Conventional	0.613	0.543
Passenger Cars	LPG Bifuel	Small	Euro 1	0.493	0.460

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Passenger Cars	LPG Bifuel	Small	Euro 2	0.658	0.658
Passenger Cars	LPG Bifuel	Small	Euro 3	0.339	0.354
Passenger Cars	LPG Bifuel	Small	Euro 4	0.116	0.138
Passenger Cars	LPG Bifuel	Small	Euro 5	0.018	0.021
Passenger Cars	LPG Bifuel	Small	Euro 6	0.004	0.006
Passenger Cars	LPG Bifuel	Medium	Conventional	0.000	0.000
Passenger Cars	LPG Bifuel	Medium	Euro 1	0.000	0.000
Passenger Cars	LPG Bifuel	Medium	Euro 2	0.000	0.000
Passenger Cars	LPG Bifuel	Medium	Euro 3	0.000	0.000
Passenger Cars	LPG Bifuel	Medium	Euro 4	0.000	0.000
Passenger Cars	LPG Bifuel	Medium	Euro 5	0.000	0.000
Passenger Cars	LPG Bifuel	Medium	Euro 6	0.000	0.000
Passenger Cars	LPG Bifuel	Large-SUV-Executive	Conventional	0.000	0.000
Passenger Cars	LPG Bifuel	Large-SUV-Executive	Euro 1	0.000	0.000
Passenger Cars	LPG Bifuel	Large-SUV-Executive	Euro 2	0.000	0.000
Passenger Cars	LPG Bifuel	Large-SUV-Executive	Euro 3	0.000	0.000
Passenger Cars	LPG Bifuel	Large-SUV-Executive	Euro 4	0.000	0.000
Passenger Cars	LPG Bifuel	Large-SUV-Executive	Euro 5	0.000	0.000
Passenger Cars	LPG Bifuel	Large-SUV-Executive	Euro 6	0.000	0.000
Passenger Cars	CNG Bifuel	Mini	Euro 4	0.000	0.000
Passenger Cars	CNG Bifuel	Mini	Euro 5	0.000	0.000
Passenger Cars	CNG Bifuel	Mini	Euro 6	0.000	0.000
Passenger Cars	CNG Bifuel	Small	Euro 4	0.000	0.000
Passenger Cars	CNG Bifuel	Small	Euro 5	0.000	0.000
Passenger Cars	CNG Bifuel	Small	Euro 6	0.000	0.000
Passenger Cars	CNG Bifuel	Medium	Euro 4	0.000	0.000
Passenger Cars	CNG Bifuel	Medium	Euro 5	0.000	0.000

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Passenger Cars	CNG Bifuel	Medium	Euro 6	0.000	0.000
Passenger Cars	CNG Bifuel	Large-SUV-Executive	Euro 4	0.000	0.000
Passenger Cars	CNG Bifuel	Large-SUV-Executive	Euro 5	0.000	0.000
Passenger Cars	CNG Bifuel	Large-SUV-Executive	Euro 6	0.000	0.000
Light Commercial Vehicles	Petrol	N1-I	Conventional	0.035	0.025
Light Commercial Vehicles	Petrol	N1-I	Euro 1	0.008	0.006
Light Commercial Vehicles	Petrol	N1-I	Euro 2	0.006	0.005
Light Commercial Vehicles	Petrol	N1-I	Euro 3	0.005	0.004
Light Commercial Vehicles	Petrol	N1-I	Euro 4	0.005	0.004
Light Commercial Vehicles	Petrol	N1-I	Euro 5	0.004	0.004
Light Commercial Vehicles	Petrol	N1-I	Euro 6 up to 2016	0.001	0.001
Light Commercial Vehicles	Petrol	N1-I	Euro 6 2017-2019	0.001	0.002
Light Commercial Vehicles	Petrol	N1-I	Euro 6 2020+	0.000	0.000
Light Commercial Vehicles	Petrol	N1-II	Conventional	0.017	0.011
Light Commercial Vehicles	Petrol	N1-II	Euro 1	0.009	0.007
Light Commercial Vehicles	Petrol	N1-II	Euro 2	0.014	0.010
Light Commercial Vehicles	Petrol	N1-II	Euro 3	0.015	0.013
Light Commercial Vehicles	Petrol	N1-II	Euro 4	0.015	0.013
Light Commercial Vehicles	Petrol	N1-II	Euro 5	0.002	0.002

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Light Commercial Vehicles	Petrol	N1-II	Euro 6 up to 2017	0.000	0.000
Light Commercial Vehicles	Petrol	N1-II	Euro 6 2018-2020	0.000	0.000
Light Commercial Vehicles	Petrol	N1-II	Euro 6 2021+	0.000	0.000
Light Commercial Vehicles	Petrol	N1-III	Conventional	0.085	0.066
Light Commercial Vehicles	Petrol	N1-III	Euro 1	0.009	0.008
Light Commercial Vehicles	Petrol	N1-III	Euro 2	0.018	0.014
Light Commercial Vehicles	Petrol	N1-III	Euro 3	0.025	0.021
Light Commercial Vehicles	Petrol	N1-III	Euro 4	0.020	0.017
Light Commercial Vehicles	Petrol	N1-III	Euro 5	0.002	0.002
Light Commercial Vehicles	Petrol	N1-III	Euro 6 up to 2017	0.000	0.000
Light Commercial Vehicles	Petrol	N1-III	Euro 6 2018-2020	0.000	0.000
Light Commercial Vehicles	Petrol	N1-III	Euro 6 2021+	0.000	0.000
Light Commercial Vehicles	Diesel	N1-I	Conventional	0.002	0.001
Light Commercial Vehicles	Diesel	N1-I	Euro 1	0.003	0.002
Light Commercial Vehicles	Diesel	N1-I	Euro 2	0.005	0.004
Light Commercial Vehicles	Diesel	N1-I	Euro 3	0.002	0.002
Light Commercial Vehicles	Diesel	N1-I	Euro 4	0.003	0.003
Light Commercial Vehicles	Diesel	N1-I	Euro 5	0.001	0.001

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Light Commercial Vehicles	Diesel	N1-I	Euro 6 up to 2016	0.001	0.001
Light Commercial Vehicles	Diesel	N1-I	Euro 6 2017-2019	0.000	0.000
Light Commercial Vehicles	Diesel	N1-I	Euro 6 2020+	0.000	0.000
Light Commercial Vehicles	Diesel	N1-II	Conventional	0.006	0.004
Light Commercial Vehicles	Diesel	N1-II	Euro 1	0.006	0.005
Light Commercial Vehicles	Diesel	N1-II	Euro 2	0.010	0.009
Light Commercial Vehicles	Diesel	N1-II	Euro 3	0.014	0.012
Light Commercial Vehicles	Diesel	N1-II	Euro 4	0.017	0.018
Light Commercial Vehicles	Diesel	N1-II	Euro 5	0.000	0.000
Light Commercial Vehicles	Diesel	N1-II	Euro 6 up to 2017	0.000	0.000
Light Commercial Vehicles	Diesel	N1-II	Euro 6 2018-2020	0.000	0.000
Light Commercial Vehicles	Diesel	N1-II	Euro 6 2021+	0.000	0.000
Light Commercial Vehicles	Diesel	N1-III	Conventional	0.046	0.038
Light Commercial Vehicles	Diesel	N1-III	Euro 1	0.008	0.007
Light Commercial Vehicles	Diesel	N1-III	Euro 2	0.021	0.018
Light Commercial Vehicles	Diesel	N1-III	Euro 3	0.038	0.033
Light Commercial Vehicles	Diesel	N1-III	Euro 4	0.045	0.046
Light Commercial Vehicles	Diesel	N1-III	Euro 5	0.000	0.000

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Light Commercial Vehicles	Diesel	N1-III	Euro 6 up to 2017	0.000	0.000
Light Commercial Vehicles	Diesel	N1-III	Euro 6 2018-2020	0.000	0.000
Light Commercial Vehicles	Diesel	N1-III	Euro 6 2021+	0.000	0.000
Heavy Duty Trucks	Petrol	>3,5 t	Conventional	0.013	0.011
Heavy Duty Trucks	Diesel	Rigid <=7,5 t	Conventional	0.012	0.010
Heavy Duty Trucks	Diesel	Rigid <=7,5 t	Euro I	0.002	0.002
Heavy Duty Trucks	Diesel	Rigid <=7,5 t	Euro II	0.006	0.005
Heavy Duty Trucks	Diesel	Rigid <=7,5 t	Euro III	0.010	0.009
Heavy Duty Trucks	Diesel	Rigid <=7,5 t	Euro IV	0.003	0.003
Heavy Duty Trucks	Diesel	Rigid <=7,5 t	Euro V	0.006	0.007
Heavy Duty Trucks	Diesel	Rigid <=7,5 t	Euro VI	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 7,5 - 12 t	Conventional	0.030	0.025
Heavy Duty Trucks	Diesel	Rigid 7,5 - 12 t	Euro I	0.005	0.004
Heavy Duty Trucks	Diesel	Rigid 7,5 - 12 t	Euro II	0.009	0.008
Heavy Duty Trucks	Diesel	Rigid 7,5 - 12 t	Euro III	0.018	0.017
Heavy Duty Trucks	Diesel	Rigid 7,5 - 12 t	Euro IV	0.006	0.008
Heavy Duty Trucks	Diesel	Rigid 7,5 - 12 t	Euro V	0.010	0.013
Heavy Duty Trucks	Diesel	Rigid 7,5 - 12 t	Euro VI	0.000	0.001
Heavy Duty Trucks	Diesel	Rigid 12 - 14 t	Conventional	0.043	0.033
Heavy Duty Trucks	Diesel	Rigid 12 - 14 t	Euro I	0.002	0.002
Heavy Duty Trucks	Diesel	Rigid 12 - 14 t	Euro II	0.002	0.002
Heavy Duty Trucks	Diesel	Rigid 12 - 14 t	Euro III	0.005	0.004
Heavy Duty Trucks	Diesel	Rigid 12 - 14 t	Euro IV	0.002	0.001
Heavy Duty Trucks	Diesel	Rigid 12 - 14 t	Euro V	0.004	0.003
Heavy Duty Trucks	Diesel	Rigid 12 - 14 t	Euro VI	0.000	0.000

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Conventional	0.065	0.054
Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Euro I	0.009	0.009
Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Euro II	0.015	0.012
Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Euro III	0.029	0.026
Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Euro IV	0.010	0.010
Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Euro V	0.015	0.016
Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Euro VI	0.001	0.001
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Conventional	0.033	0.030
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Euro I	0.009	0.008
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Euro II	0.016	0.017
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Euro III	0.036	0.035
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Euro IV	0.012	0.012
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Euro V	0.019	0.022
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Euro VI	0.001	0.001
Heavy Duty Trucks	Diesel	Rigid 26 - 28 t	Conventional	0.001	0.001
Heavy Duty Trucks	Diesel	Rigid 26 - 28 t	Euro I	0.001	0.001
Heavy Duty Trucks	Diesel	Rigid 26 - 28 t	Euro II	0.001	0.001
Heavy Duty Trucks	Diesel	Rigid 26 - 28 t	Euro III	0.004	0.003
Heavy Duty Trucks	Diesel	Rigid 26 - 28 t	Euro IV	0.002	0.001
Heavy Duty Trucks	Diesel	Rigid 26 - 28 t	Euro V	0.002	0.002
Heavy Duty Trucks	Diesel	Rigid 26 - 28 t	Euro VI	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 28 - 32 t	Conventional	0.004	0.004
Heavy Duty Trucks	Diesel	Rigid 28 - 32 t	Euro I	0.003	0.003
Heavy Duty Trucks	Diesel	Rigid 28 - 32 t	Euro II	0.011	0.009
Heavy Duty Trucks	Diesel	Rigid 28 - 32 t	Euro III	0.025	0.023
Heavy Duty Trucks	Diesel	Rigid 28 - 32 t	Euro IV	0.010	0.010
Heavy Duty Trucks	Diesel	Rigid 28 - 32 t	Euro V	0.013	0.014

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Heavy Duty Trucks	Diesel	Rigid 28 - 32 t	Euro VI	0.001	0.001
Heavy Duty Trucks	Diesel	Rigid >32 t	Conventional	0.004	0.002
Heavy Duty Trucks	Diesel	Rigid >32 t	Euro I	0.002	0.002
Heavy Duty Trucks	Diesel	Rigid >32 t	Euro II	0.008	0.008
Heavy Duty Trucks	Diesel	Rigid >32 t	Euro III	0.017	0.016
Heavy Duty Trucks	Diesel	Rigid >32 t	Euro IV	0.007	0.008
Heavy Duty Trucks	Diesel	Rigid >32 t	Euro V	0.013	0.012
Heavy Duty Trucks	Diesel	Rigid >32 t	Euro VI	0.002	0.002
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Conventional	0.006	0.004
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro I	0.003	0.002
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro II	0.023	0.016
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro III	0.089	0.073
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro IV	0.059	0.050
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro V	0.104	0.096
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro VI	0.009	0.011
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t	Conventional	0.002	0.001
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t	Euro I	0.001	0.001
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t	Euro II	0.003	0.002
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t	Euro III	0.010	0.008
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t	Euro IV	0.016	0.013
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t	Euro V	0.032	0.031
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t	Euro VI	0.004	0.004
Heavy Duty Trucks	Diesel	Articulated 28 - 34 t	Conventional	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 28 - 34 t	Euro I	0.001	0.001
Heavy Duty Trucks	Diesel	Articulated 28 - 34 t	Euro II	0.002	0.001
Heavy Duty Trucks	Diesel	Articulated 28 - 34 t	Euro III	0.001	0.001
Heavy Duty Trucks	Diesel	Articulated 28 - 34 t	Euro IV	0.001	0.001

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Heavy Duty Trucks	Diesel	Articulated 28 - 34 t	Euro V	0.003	0.003
Heavy Duty Trucks	Diesel	Articulated 28 - 34 t	Euro VI	0.000	0.001
Heavy Duty Trucks	Diesel	Articulated 34 - 40 t	Conventional	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 34 - 40 t	Euro I	0.001	0.000
Heavy Duty Trucks	Diesel	Articulated 34 - 40 t	Euro II	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 34 - 40 t	Euro III	0.002	0.001
Heavy Duty Trucks	Diesel	Articulated 34 - 40 t	Euro IV	0.003	0.003
Heavy Duty Trucks	Diesel	Articulated 34 - 40 t	Euro V	0.009	0.009
Heavy Duty Trucks	Diesel	Articulated 34 - 40 t	Euro VI	0.001	0.001
Heavy Duty Trucks	Diesel	Articulated 40 - 50 t	Conventional	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 40 - 50 t	Euro I	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 40 - 50 t	Euro II	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 40 - 50 t	Euro III	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 40 - 50 t	Euro IV	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 40 - 50 t	Euro V	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 40 - 50 t	Euro VI	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 50 - 60 t	Conventional	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 50 - 60 t	Euro I	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 50 - 60 t	Euro II	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 50 - 60 t	Euro III	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 50 - 60 t	Euro IV	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 50 - 60 t	Euro V	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 50 - 60 t	Euro VI	0.000	0.000
Buses	Diesel	Urban Buses Midi <=15 t	Conventional	0.003	0.000
Buses	Diesel	Urban Buses Midi <=15 t	Euro I	0.000	0.000
Buses	Diesel	Urban Buses Midi <=15 t	Euro II	0.000	0.000
Buses	Diesel	Urban Buses Midi <=15 t	Euro III	0.000	0.000

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Buses	Diesel	Urban Buses Midi <=15 t	Euro IV	0.000	0.000
Buses	Diesel	Urban Buses Midi <=15 t	Euro V	0.002	0.002
Buses	Diesel	Urban Buses Midi <=15 t	Euro VI	0.000	0.000
Buses	Diesel	Urban Buses Standard 15 - 18 t	Conventional	0.008	0.006
Buses	Diesel	Urban Buses Standard 15 - 18 t	Euro I	0.003	0.003
Buses	Diesel	Urban Buses Standard 15 - 18 t	Euro II	0.008	0.008
Buses	Diesel	Urban Buses Standard 15 - 18 t	Euro III	0.001	0.001
Buses	Diesel	Urban Buses Standard 15 - 18 t	Euro IV	0.000	0.000
Buses	Diesel	Urban Buses Standard 15 - 18 t	Euro V	0.023	0.020
Buses	Diesel	Urban Buses Standard 15 - 18 t	Euro VI	0.000	0.000
Buses	Diesel	Urban Buses Articulated >18 t	Conventional	0.001	0.000
Buses	Diesel	Urban Buses Articulated >18 t	Euro I	0.000	0.000
Buses	Diesel	Urban Buses Articulated >18 t	Euro II	0.001	0.001
Buses	Diesel	Urban Buses Articulated >18 t	Euro III	0.003	0.002
Buses	Diesel	Urban Buses Articulated >18 t	Euro IV	0.000	0.000
Buses	Diesel	Urban Buses Articulated >18 t	Euro V	0.000	0.000
Buses	Diesel	Urban Buses Articulated >18 t	Euro VI	0.000	0.000
Buses	Diesel	Coaches Standard <=18 t	Conventional	0.002	0.003
Buses	Diesel	Coaches Standard <=18 t	Euro I	0.001	0.001

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Buses	Diesel	Coaches Standard <=18 t	Euro II	0.011	0.010
Buses	Diesel	Coaches Standard <=18 t	Euro III	0.019	0.017
Buses	Diesel	Coaches Standard <=18 t	Euro IV	0.004	0.004
Buses	Diesel	Coaches Standard <=18 t	Euro V	0.007	0.009
Buses	Diesel	Coaches Standard <=18 t	Euro VI	0.000	0.000
Buses	Diesel	Coaches Articulated >18 t	Conventional	0.000	0.000
Buses	Diesel	Coaches Articulated >18 t	Euro I	0.000	0.000
Buses	Diesel	Coaches Articulated >18 t	Euro II	0.006	0.006
Buses	Diesel	Coaches Articulated >18 t	Euro III	0.010	0.009
Buses	Diesel	Coaches Articulated >18 t	Euro IV	0.002	0.003
Buses	Diesel	Coaches Articulated >18 t	Euro V	0.003	0.005
Buses	Diesel	Coaches Articulated >18 t	Euro VI	0.000	0.000
Buses	CNG	Urban CNG Buses	Euro I	0.001	0.001
Buses	CNG	Urban CNG Buses	Euro II	0.000	0.000
Buses	CNG	Urban CNG Buses	Euro III	0.000	0.001
Buses	CNG	Urban CNG Buses	EEV	0.000	0.000
Buses	Biodiesel	Urban Biodiesel Buses	Conventional	0.000	0.000
Buses	Biodiesel	Urban Biodiesel Buses	Euro I	0.000	0.000
Buses	Biodiesel	Urban Biodiesel Buses	Euro II	0.000	0.000

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Buses	Biodiesel	Urban Biodiesel Buses	Euro III	0.000	0.000
Buses	Biodiesel	Urban Biodiesel Buses	Euro IV	0.000	0.000
Buses	Biodiesel	Urban Biodiesel Buses	Euro V	0.000	0.000
Buses	Biodiesel	Urban Biodiesel Buses	Euro VI	0.000	0.000
L-Category	Petrol	Mopeds 2-stroke <50 cm ³	Conventional	0.017	0.010
L-Category	Petrol	Mopeds 2-stroke <50 cm ³	Euro 1	0.003	0.001
L-Category	Petrol	Mopeds 2-stroke <50 cm ³	Euro 2	0.004	0.003
L-Category	Petrol	Mopeds 2-stroke <50 cm ³	Euro 3	0.011	0.009
L-Category	Petrol	Mopeds 2-stroke <50 cm ³	Euro 4	0.000	0.000
L-Category	Petrol	Mopeds 2-stroke <50 cm ³	Euro 5	0.000	0.000
L-Category	Petrol	Mopeds 4-stroke <50 cm ³	Conventional	0.000	0.000
L-Category	Petrol	Mopeds 4-stroke <50 cm ³	Euro 1	0.000	0.000
L-Category	Petrol	Mopeds 4-stroke <50 cm ³	Euro 2	0.000	0.000
L-Category	Petrol	Mopeds 4-stroke <50 cm ³	Euro 3	0.004	0.004
L-Category	Petrol	Mopeds 4-stroke <50 cm ³	Euro 4	0.000	0.000
L-Category	Petrol	Mopeds 4-stroke <50 cm ³	Euro 5	0.000	0.000
L-Category	Petrol	Motorcycles 2-stroke >50 cm ³	Conventional	0.001	0.002
L-Category	Petrol	Motorcycles 2-stroke >50 cm ³	Euro 1	0.000	0.000
L-Category	Petrol	Motorcycles 2-stroke >50 cm ³	Euro 2	0.000	0.000
L-Category	Petrol	Motorcycles 2-stroke >50 cm ³	Euro 3	0.001	0.001
L-Category	Petrol	Motorcycles 2-stroke >50 cm ³	Euro 4	0.000	0.000
L-Category	Petrol	Motorcycles 2-stroke >50 cm ³	Euro 5	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke <250 cm ³	Conventional	0.017	0.006
L-Category	Petrol	Motorcycles 4-stroke <250 cm ³	Euro 1	0.006	0.003

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L-Category	Petrol	Motorcycles 4-stroke <250 cm ³	Euro 2	0.008	0.007
L-Category	Petrol	Motorcycles 4-stroke <250 cm ³	Euro 3	0.003	0.002
L-Category	Petrol	Motorcycles 4-stroke <250 cm ³	Euro 4	0.001	0.001
L-Category	Petrol	Motorcycles 4-stroke <250 cm ³	Euro 5	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke 250 - 750 cm ³	Conventional	0.018	0.011
L-Category	Petrol	Motorcycles 4-stroke 250 - 750 cm ³	Euro 1	0.005	0.003
L-Category	Petrol	Motorcycles 4-stroke 250 - 750 cm ³	Euro 2	0.002	0.002
L-Category	Petrol	Motorcycles 4-stroke 250 - 750 cm ³	Euro 3	0.001	0.001
L-Category	Petrol	Motorcycles 4-stroke 250 - 750 cm ³	Euro 4	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke 250 - 750 cm ³	Euro 5	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke >750 cm ³	Conventional	0.007	0.004
L-Category	Petrol	Motorcycles 4-stroke >750 cm ³	Euro 1	0.002	0.002
L-Category	Petrol	Motorcycles 4-stroke >750 cm ³	Euro 2	0.001	0.001
L-Category	Petrol	Motorcycles 4-stroke >750 cm ³	Euro 3	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke >750 cm ³	Euro 4	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke >750 cm ³	Euro 5	0.000	0.000
L-Category	Petrol	Quad & ATVs	Euro 1	0.000	0.000
L-Category	Petrol	Quad & ATVs	Euro 2	0.000	0.000
L-Category	Petrol	Quad & ATVs	Euro 3	0.000	0.000
L-Category	Petrol	Quad & ATVs	Euro 4	0.000	0.000
L-Category	Petrol	Quad & ATVs	Euro 5	0.000	0.000

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L-Category	Diesel	Micro-car	Euro 1	0.000	0.000
L-Category	Diesel	Micro-car	Euro 2	0.000	0.000
L-Category	Diesel	Micro-car	Euro 3	0.000	0.000
L-Category	Diesel	Micro-car	Euro 4	0.000	0.000
L-Category	Diesel	Micro-car	Euro 5	0.000	0.000

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

NMVOC emissions

Emission	Condition	2017	2018
Total	ALKANES / ethane	0.024	0.022
Total	ALKANES / propane	0.249	0.237
Total	ALKANES / butane	0.131	0.123
Total	ALKANES / isobutane	0.071	0.067
Total	ALKANES / pentane	0.074	0.069
Total	ALKANES / isopentane	0.121	0.112
Total	ALKANES / hexane	0.023	0.021
Total	ALKANES / heptane	0.018	0.017
Total	ALKANES / octane	0.003	0.003
Total	ALKANES / 2-methylhexane	0.009	0.007
Total	ALKANES / nonane	0.002	0.002
Total	ALKANES / 2-methylheptane	0.003	0.002
Total	ALKANES / 3-methylhexane	0.006	0.005
Total	ALKANES / decane	0.007	0.006
Total	ALKANES / 3-methylheptane	0.003	0.003
Total	ALKANES / Alkanes C10-C12	0.009	0.008
Total	ALKANES / Alkanes C>13	0.094	0.083
Total	ALKANES / 2-methylpentane	0.116	0.110
Total	ALKANES / 3-methylpentane	0.207	0.197
Total	CYCLOALKANES / Cycloalkanes	0.009	0.007
Total	ALKENES / ethylene	0.093	0.082
Total	ALKENES / propylene	0.053	0.047
Total	ALKENES / propadiene	0.000	0.000
Total	ALKENES / 1-butene	0.010	0.009
Total	ALKENES / isobutene	0.023	0.019
Total	ALKENES / 2-butene	0.032	0.030
Total	ALKENES / 1,3-butadiene	0.014	0.012
Total	ALKENES / 1-pentene	0.000	0.000
Total	ALKENES / 2-pentene	0.025	0.024
Total	ALKENES / 1-hexene	0.000	0.000
Total	ALKENES / dimethylhexene	0.000	0.000
Total	ALKINES / 1-butine	0.001	0.001
Total	ALKINES / propine	0.002	0.002
Total	ALKINES / acetylene	0.029	0.025
Total	ALDEHYDES / formaldehyde	0.056	0.050
Total	ALDEHYDES / acetaldahyde	0.033	0.030
Total	ALDEHYDES / acrolein	0.014	0.013
Total	ALDEHYDES / benzaldehyde	0.006	0.005
Total	ALDEHYDES / crotonaldehyde	0.007	0.006
Total	ALDEHYDES / methacrolein	0.004	0.003
Total	ALDEHYDES / butyraldehyde	0.004	0.004
Total	ALDEHYDES / isobutanaldehyde	0.005	0.005
Total	ALDEHYDES / propionaldehyde	0.009	0.008
Total	ALDEHYDES / hexanal	0.003	0.003

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Total	ALDEHYDES / i-valeraldehyde	0.000	0.000
Total	ALDEHYDES / valeraldehyde	0.002	0.001
Total	ALDEHYDES / o-tolualdehyde	0.003	0.002
Total	ALDEHYDES / m-tolualdehyde	0.003	0.002
Total	ALDEHYDES / p-tolualdehyde	0.001	0.001
Total	KETONES / acetone	0.011	0.010
Total	KETONES / methylethylketone	0.003	0.003
Total	AROMATICS / toluene	0.098	0.087
Total	AROMATICS / ethylbenzene	0.051	0.046
Total	AROMATICS / m,p-xylene	0.091	0.083
Total	AROMATICS / o-xylene	0.042	0.038
Total	AROMATICS / 1,2,3 trimethylbenzene	0.005	0.004
Total	AROMATICS / 1,2,4 trimethylbenzene	0.025	0.022
Total	AROMATICS / 1,3,5 trimethylbenzene	0.008	0.006
Total	AROMATICS / styrene	0.006	0.005
Total	AROMATICS / benzene	0.039	0.033
Total	AROMATICS C9 / Aromatics C9	0.022	0.019
Total	AROMATICS C10 / Aromatics C10	0.008	0.007
Total	Aromatics C>13 / Aromatics C>13	0.087	0.075
Total	PAHs & POPs / indeno(1,2,3- cd)pyrene	0.000	0.000
Total	PAHs & POPs / benzo(k)fluoranthene	0.000	0.000
Total	PAHs & POPs / benzo(b)fluoranthene	0.000	0.000
Total	PAHs & POPs / benzo(ghi)perylene	0.000	0.000
Total	PAHs & POPs / fluoranthene	0.000	0.000
Total	PAHs & POPs / benzo(a)pyrene	0.000	0.000
Total	PAHs & POPs / pyrene	0.000	0.000
Total	PAHs & POPs / perylene	0.000	0.000
Total	PAHs & POPs / anthanthrene	0.000	0.000
Total	PAHs & POPs / benzo(b)fluorene	0.000	0.000
Total	PAHs & POPs / benzo(e)pyrene	0.000	0.000
Total	PAHs & POPs / triphenylene	0.000	0.000
Total	PAHs & POPs / benzo(j)fluoranthene	0.000	0.000
Total	PAHs & POPs / dibenzo(a,j)anthracene	0.000	0.000
Total	PAHs & POPs / dibenzo(a,l)pyrene	0.000	0.000
Total	PAHs & POPs / 3,6-dimethyl- phenanthrene	0.000	0.000
Total	PAHs & POPs / benzo(a)anthracene	0.000	0.000
Total	PAHs & POPs / acenaphthylene	0.000	0.000

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Total	PAHs & POPs / acenaphthene	0.000	0.000
Total	PAHs & POPs / fluorene	0.000	0.000
Total	PAHs & POPs / chrysene	0.000	0.000
Total	PAHs & POPs / phenanthrene	0.000	0.000
Total	PAHs & POPs / naphthalene	0.008	0.008
Total	PAHs & POPs / anthracene	0.000	0.000
Total	PAHs & POPs / coronene	0.000	0.000
Total	PAHs & POPs / dibenzo(ah)anthracene	0.000	0.000
Total	DIOXINS / Dioxins	0.000	0.000
Total	FURANS / Furans	0.000	0.000
Total	HCB / Hexachlorobenzene	0.000	0.000
Total	PCB / Polychlorinated Biphenyls	0.000	0.000
		2.1	1.9

Emission	Condition	2014	2015	2016	2017	2018
Total	ALKANES / ethane	26,917	26,092	26,116	24,214	23,214
Total	ALKANES / propane	256,860	260,618	272,769	249,332	249,332
Total	ALKANES / butane	132,856	135,219	140,144	131,264	131,264
Total	ALKANES / isobutane	70,002	72,234	75,385	71,421	71,421
Total	ALKANES / pentane	67,818	71,986	75,416	74,108	74,108
Total	ALKANES / isopentane	115,935	120,097	124,169	121,021	121,021
Total	ALKANES / hexane	22,721	23,228	23,795	23,212	23,212
Total	ALKANES / heptane	16,640	17,586	18,375	17,930	17,930
Total	ALKANES / octane	3,807	3,398	3,254	3,075	3,075
Total	ALKANES / 2-methylhexane	9,807	9,311	9,132	8,508	8,508
Total	ALKANES / nonane	1,920	1,897	2,018	1,966	1,966
Total	ALKANES / 2-methylheptane	2,658	2,719	2,743	2,540	2,540
Total	ALKANES / 3-methylhexane	6,854	6,512	6,367	5,922	5,922
Total	ALKANES / decane	7,160	7,067	7,220	6,772	6,772
Total	ALKANES / 3-methylheptane	4,005	3,736	3,640	3,398	3,398
Total	ALKANES / Alkanes C10-C12	9,080	9,255	9,655	9,260	9,260
Total	ALKANES / Alkanes C>13	95,519	96,683	100,154	93,864	93,864
Total	ALKANES / 2-methylpentane	99,425	109,297	116,608	115,628	115,628
Total	ALKANES / 3-methylpentane	178,270	195,970	209,079	207,321	207,321
Total	CYCLOALKANES / Cycloalkanes	9,929	9,352	9,165	8,558	8,558
Total	ALKENES / ethylene	104,870	98,829	98,970	92,709	92,709
Total	ALKENES / propylene	59,793	56,511	56,682	52,743	52,743
Total	ALKENES / propadiene	140	145	144	133	133
Total	ALKENES / 1-butene	9,785	10,059	10,326	10,072	10,072
Total	ALKENES / isobutene	28,278	25,181	24,104	22,610	22,610
Total	ALKENES / 2-butene	30,542	31,572	32,744	31,901	31,901
Total	ALKENES / 1,3-butadiene	16,222	15,244	14,935	13,853	13,853
Total	ALKENES / 1-pentene	579	515	481	450	450

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Total	ALKENES / 2-pentene	22,047	23,914	25,326	25,036
Total	ALKENES / 1-hexene	477	493	488	453
Total	ALKENES / dimethylhexene	421	435	431	400
Total	ALKINES / 1-butine	740	718	694	647
Total	ALKINES / propine	3,133	2,575	2,361	2,272
Total	ALKINES / acetylene	36,615	32,424	31,220	29,322
Total	ALDEHYDES / formaldehyde	57,829	56,724	58,753	55,588
Total	ALDEHYDES / acetaldahyde	33,417	33,254	34,720	32,641
Total	ALDEHYDES / acrolein	13,972	13,974	14,777	14,035
Total	ALDEHYDES / benzaldehyde	7,034	6,612	6,577	6,168
Total	ALDEHYDES / crotonaldehyde	6,903	6,954	7,235	6,735
Total	ALDEHYDES / methacrolein	3,820	3,863	4,037	3,790
Total	ALDEHYDES / butyraldehyde	4,055	4,100	4,292	4,036
Total	ALDEHYDES / isobutanaldehyde	5,134	5,187	5,629	5,477
Total	ALDEHYDES / propionaldehyde	9,442	9,427	9,890	9,264
Total	ALDEHYDES / hexanal	3,289	3,331	3,349	3,051
Total	ALDEHYDES / i-valeraldehyde	438	442	467	442
Total	ALDEHYDES / valeraldehyde	1,634	1,653	1,736	1,645
Total	ALDEHYDES / o-tolualdehyde	2,898	2,774	2,750	2,549
Total	ALDEHYDES / m-tolualdehyde	3,380	3,101	3,034	2,847
Total	ALDEHYDES / p-tolualdehyde	1,390	1,245	1,254	1,220
Total	KETONES / acetone	11,208	11,149	11,842	11,300
Total	KETONES / methylethiketone	2,705	2,639	2,858	2,822
Total	AROMATICS / toluene	110,538	104,406	102,646	98,364
Total	AROMATICS / ethylbenzene	52,137	51,441	52,146	50,920
Total	AROMATICS / m,p-xylene	92,448	92,535	94,110	91,359
Total	AROMATICS / o-xylene	44,457	43,144	43,271	41,987
Total	AROMATICS / 1,2,3 trimethylbenzene	5,499	5,105	4,938	4,622
Total	AROMATICS / 1,2,4 trimethylbenzene	27,729	26,497	25,992	24,566
Total	AROMATICS / 1,3,5 trimethylbenzene	9,190	8,423	8,080	7,558
Total	AROMATICS / styrene	6,501	6,146	5,999	5,612
Total	AROMATICS / benzene	46,414	41,957	40,362	38,508
Total	AROMATICS C9 / Aromatics C9	26,184	24,045	23,061	21,558
Total	AROMATICS C10 / Aromatics C10	8,623	8,907	8,812	8,187

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Total	Aromatics C>13 / Aromatics C>13	95,535	91,693	92,193	86,520
Total	PAHs & POPs / indeno(1,2,3-cd)pyrene	7	8	10	10
Total	PAHs & POPs / benzo(k)fluoranthene	10	11	13	14
Total	PAHs & POPs / benzo(b)fluoranthene	11	12	15	15
Total	PAHs & POPs / benzo(ghi)perylene	14	15	18	20
Total	PAHs & POPs / fluoranthene	119	134	160	170
Total	PAHs & POPs / benzo(a)pyrene	7	8	10	10
Total	PAHs & POPs / pyrene	114	129	154	163
Total	PAHs & POPs / perylene	2	2	2	3
Total	PAHs & POPs / anthanthrene	0	0	1	1
Total	PAHs & POPs / benzo(b)fluorene	59	67	81	86
Total	PAHs & POPs / benzo(e)pyrene	25	28	34	36
Total	PAHs & POPs / triphenylene	32	36	43	46
Total	PAHs & POPs / benzo(j)fluoranthene	10	11	12	13
Total	PAHs & POPs / dibenzo(a,j)anthracene	0	1	1	1
Total	PAHs & POPs / dibenzo(a,l)pyrene	0	0	0	0
Total	PAHs & POPs / 3,6-dimethylphenanthrene	11	13	15	17
Total	PAHs & POPs / benzo(a)anthracene	13	14	17	18
Total	PAHs & POPs / acenaphthylene	90	103	125	133
Total	PAHs & POPs / acenaphthene	120	137	167	178
Total	PAHs & POPs / fluorene	27	30	33	34
Total	PAHs & POPs / chrysene	29	33	38	40
Total	PAHs & POPs / phenanthrene	229	257	308	329
Total	PAHs & POPs / naphthalene	5,628	6,357	7,570	7,986
Total	PAHs & POPs / anthracene	16	18	21	22
Total	PAHs & POPs / coronene	0	0	1	1
Total	PAHs & POPs / dibenzo(ah)anthracene	2	2	2	2
Total	DIOXINS / Dioxins	0	0	0	0
Total	FURANS / Furans	0	0	0	0
Total	HCB / Hexachlorobenzene	0	0	0	0
Total	PCB / Polychlorinated Biphenyls	0	0	0	0
		2,152,207.8	2,159,027.0	2,217,772.5	2,114,634.5
					1,935

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

SO2 emissions

Category	Fuel	Segment	Euro Standard	2014_T	2015_T	2016_T	2017_T	2018_T
Passenger Cars	Petrol	Mini	Euro 4	0	0	0	0	0
Passenger Cars	Petrol	Mini	Euro 5	0	0	0	0	0
Passenger Cars	Petrol	Mini	Euro 6 up to 2016	0	0	0	0	0
Passenger Cars	Petrol	Mini	Euro 6 2017-2019	0	0	0	0	0
Passenger Cars	Petrol	Mini	Euro 6 2020+	0	0	0	0	0
Passenger Cars	Petrol	Small	PRE ECE	0	0	0	0	0
Passenger Cars	Petrol	Small	ECE 15/00-01	0	0	0	0	0
Passenger Cars	Petrol	Small	ECE 15/02	0	0	0	0	0
Passenger Cars	Petrol	Small	ECE 15/03	0	0	0	0	0
Passenger Cars	Petrol	Small	ECE 15/04	0	0	0	0	0
Passenger Cars	Petrol	Small	Improved Conventional	0	0	0	0	0
Passenger Cars	Petrol	Small	Open Loop	0	0	0	0	0
Passenger Cars	Petrol	Small	Euro 1	0	0	0	0	0
Passenger Cars	Petrol	Small	Euro 2	0	0	0	0	0
Passenger Cars	Petrol	Small	Euro 3	0	0	0	0	0
Passenger Cars	Petrol	Small	Euro 4	0	0	0	0	0
Passenger Cars	Petrol	Small	Euro 5	0	0	0	0	0
Passenger Cars	Petrol	Small	Euro 6 up to 2016	0	0	0	0	0
Passenger Cars	Petrol	Small	Euro 6 2017-2019	0	0	0	0	0
Passenger Cars	Petrol	Small	Euro 6 2020+	0	0	0	0	0
Passenger Cars	Petrol	Medium	PRE ECE	0	0	0	0	0
Passenger Cars	Petrol	Medium	ECE 15/00-01	0	0	0	0	0
Passenger Cars	Petrol	Medium	ECE 15/02	0	0	0	0	0
Passenger Cars	Petrol	Medium	ECE 15/03	0	0	0	0	0
Passenger Cars	Petrol	Medium	ECE 15/04	0	0	0	0	0

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Passenger Cars	Petrol	Medium	Improved Conventional	0	0	0	0
Passenger Cars	Petrol	Medium	Open Loop	0	0	0	0
Passenger Cars	Petrol	Medium	Euro 1	0	0	0	0
Passenger Cars	Petrol	Medium	Euro 2	0	0	0	0
Passenger Cars	Petrol	Medium	Euro 3	0	0	0	0
Passenger Cars	Petrol	Medium	Euro 4	0	0	0	0
Passenger Cars	Petrol	Medium	Euro 5	0	0	0	0
Passenger Cars	Petrol	Medium	Euro 6 up to 2016	0	0	0	0
Passenger Cars	Petrol	Medium	Euro 6 2017-2019	0	0	0	0
Passenger Cars	Petrol	Medium	Euro 6 2020+	0	0	0	0
Passenger Cars	Petrol	Large-SUV-Executive	PRE ECE	0	0	0	0
Passenger Cars	Petrol	Large-SUV-Executive	ECE 15/00-01	0	0	0	0
Passenger Cars	Petrol	Large-SUV-Executive	ECE 15/02	0	0	0	0
Passenger Cars	Petrol	Large-SUV-Executive	ECE 15/03	0	0	0	0
Passenger Cars	Petrol	Large-SUV-Executive	ECE 15/04	0	0	0	0
Passenger Cars	Petrol	Large-SUV-Executive	Euro 1	0	0	0	0
Passenger Cars	Petrol	Large-SUV-Executive	Euro 2	0	0	0	0
Passenger Cars	Petrol	Large-SUV-Executive	Euro 3	0	0	0	0
Passenger Cars	Petrol	Large-SUV-Executive	Euro 4	0	0	0	0
Passenger Cars	Petrol	Large-SUV-Executive	Euro 5	0	0	0	0
Passenger Cars	Petrol	Large-SUV-Executive	Euro 6 up to 2016	0	0	0	0
Passenger Cars	Petrol	Large-SUV-Executive	Euro 6 2017-2019	0	0	0	0
Passenger Cars	Petrol	Large-SUV-Executive	Euro 6 2020+	0	0	0	0
Passenger Cars	Petrol	2-Stroke	Conventional	0	0	0	0
Passenger Cars	Diesel	Mini	Euro 4	0	0	0	0
Passenger Cars	Diesel	Mini	Euro 5	0	0	0	0
Passenger Cars	Diesel	Mini	Euro 6 up to 2016	0	0	0	0

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Passenger Cars	Diesel	Mini	Euro 6 2017-2019	0	0	0	0
Passenger Cars	Diesel	Mini	Euro 6 2020+	0	0	0	0
Passenger Cars	Diesel	Small	Conventional	0	0	0	0
Passenger Cars	Diesel	Small	Euro 1	0	0	0	0
Passenger Cars	Diesel	Small	Euro 2	1	1	1	1
Passenger Cars	Diesel	Small	Euro 3	1	1	1	1
Passenger Cars	Diesel	Small	Euro 4	0	0	1	1
Passenger Cars	Diesel	Small	Euro 5	0	0	0	0
Passenger Cars	Diesel	Small	Euro 6 up to 2016	0	0	0	0
Passenger Cars	Diesel	Small	Euro 6 2017-2019	0	0	0	0
Passenger Cars	Diesel	Small	Euro 6 2020+	0	0	0	0
Passenger Cars	Diesel	Medium	Conventional	0	0	0	0
Passenger Cars	Diesel	Medium	Euro 1	0	0	0	0
Passenger Cars	Diesel	Medium	Euro 2	0	0	0	0
Passenger Cars	Diesel	Medium	Euro 3	0	0	0	0
Passenger Cars	Diesel	Medium	Euro 4	0	0	0	0
Passenger Cars	Diesel	Medium	Euro 5	0	0	0	0
Passenger Cars	Diesel	Medium	Euro 6 up to 2016	0	0	0	0
Passenger Cars	Diesel	Medium	Euro 6 2017-2019	0	0	0	0
Passenger Cars	Diesel	Medium	Euro 6 2020+	0	0	0	0
Passenger Cars	Diesel	Large-SUV-Executive	Conventional	0	0	0	0
Passenger Cars	Diesel	Large-SUV-Executive	Euro 1	0	0	0	0
Passenger Cars	Diesel	Large-SUV-Executive	Euro 2	0	0	0	0
Passenger Cars	Diesel	Large-SUV-Executive	Euro 3	0	0	1	1
Passenger Cars	Diesel	Large-SUV-Executive	Euro 4	0	0	0	0
Passenger Cars	Diesel	Large-SUV-Executive	Euro 5	0	0	0	0
Passenger Cars	Diesel	Large-SUV-Executive	Euro 6 up to 2016	0	0	0	0

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Passenger Cars	Diesel	Large-SUV-Executive	Euro 6 2017-2019	0	0	0	0
Passenger Cars	Diesel	Large-SUV-Executive	Euro 6 2020+	0	0	0	0
Passenger Cars	Petrol Hybrid	Mini	Euro 4	0	0	0	0
Passenger Cars	Petrol Hybrid	Mini	Euro 5	0	0	0	0
Passenger Cars	Petrol Hybrid	Mini	Euro 6 up to 2016	0	0	0	0
Passenger Cars	Petrol Hybrid	Mini	Euro 6 2017-2019	0	0	0	0
Passenger Cars	Petrol Hybrid	Mini	Euro 6 2020+	0	0	0	0
Passenger Cars	Petrol Hybrid	Small	Euro 4	0	0	0	0
Passenger Cars	Petrol Hybrid	Small	Euro 5	0	0	0	0
Passenger Cars	Petrol Hybrid	Small	Euro 6 up to 2016	0	0	0	0
Passenger Cars	Petrol Hybrid	Small	Euro 6 2017-2019	0	0	0	0
Passenger Cars	Petrol Hybrid	Small	Euro 6 2020+	0	0	0	0
Passenger Cars	Petrol Hybrid	Medium	Euro 4	0	0	0	0
Passenger Cars	Petrol Hybrid	Medium	Euro 5	0	0	0	0
Passenger Cars	Petrol Hybrid	Medium	Euro 6 up to 2016	0	0	0	0
Passenger Cars	Petrol Hybrid	Medium	Euro 6 2017-2019	0	0	0	0
Passenger Cars	Petrol Hybrid	Medium	Euro 6 2020+	0	0	0	0
Passenger Cars	Petrol Hybrid	Large-SUV-Executive	Euro 4	0	0	0	0
Passenger Cars	Petrol Hybrid	Large-SUV-Executive	Euro 5	0	0	0	0
Passenger Cars	Petrol Hybrid	Large-SUV-Executive	Euro 6 up to 2016	0	0	0	0
Passenger Cars	Petrol Hybrid	Large-SUV-Executive	Euro 6 2017-2019	0	0	0	0
Passenger Cars	Petrol Hybrid	Large-SUV-Executive	Euro 6 2020+	0	0	0	0
Passenger Cars	LPG Bifuel	Mini	Euro 4	0	0	0	0
Passenger Cars	LPG Bifuel	Mini	Euro 5	0	0	0	0
Passenger Cars	LPG Bifuel	Mini	Euro 6	0	0	0	0
Passenger Cars	LPG Bifuel	Small	Conventional	1	1	1	1
Passenger Cars	LPG Bifuel	Small	Euro 1	1	1	1	1

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Passenger Cars	LPG Bifuel	Small	Euro 2	1	1	2	2
Passenger Cars	LPG Bifuel	Small	Euro 3	1	1	1	1
Passenger Cars	LPG Bifuel	Small	Euro 4	1	1	1	1
Passenger Cars	LPG Bifuel	Small	Euro 5	0	0	0	0
Passenger Cars	LPG Bifuel	Small	Euro 6	0	0	0	0
Passenger Cars	LPG Bifuel	Medium	Conventional	0	0	0	0
Passenger Cars	LPG Bifuel	Medium	Euro 1	0	0	0	0
Passenger Cars	LPG Bifuel	Medium	Euro 2	0	0	0	0
Passenger Cars	LPG Bifuel	Medium	Euro 3	0	0	0	0
Passenger Cars	LPG Bifuel	Medium	Euro 4	0	0	0	0
Passenger Cars	LPG Bifuel	Medium	Euro 5	0	0	0	0
Passenger Cars	LPG Bifuel	Medium	Euro 6	0	0	0	0
Passenger Cars	LPG Bifuel	Large-SUV-Executive	Conventional	0	0	0	0
Passenger Cars	LPG Bifuel	Large-SUV-Executive	Euro 1	0	0	0	0
Passenger Cars	LPG Bifuel	Large-SUV-Executive	Euro 2	0	0	0	0
Passenger Cars	LPG Bifuel	Large-SUV-Executive	Euro 3	0	0	0	0
Passenger Cars	LPG Bifuel	Large-SUV-Executive	Euro 4	0	0	0	0
Passenger Cars	LPG Bifuel	Large-SUV-Executive	Euro 5	0	0	0	0
Passenger Cars	LPG Bifuel	Large-SUV-Executive	Euro 6	0	0	0	0
Passenger Cars	CNG Bifuel	Mini	Euro 4	0	0	0	0
Passenger Cars	CNG Bifuel	Mini	Euro 5	0	0	0	0
Passenger Cars	CNG Bifuel	Mini	Euro 6	0	0	0	0
Passenger Cars	CNG Bifuel	Small	Euro 4	0	0	0	0
Passenger Cars	CNG Bifuel	Small	Euro 5	0	0	0	0
Passenger Cars	CNG Bifuel	Small	Euro 6	0	0	0	0
Passenger Cars	CNG Bifuel	Medium	Euro 4	0	0	0	0
Passenger Cars	CNG Bifuel	Medium	Euro 5	0	0	0	0

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Passenger Cars	CNG Bifuel	Medium	Euro 6	0	0	0	0
Passenger Cars	CNG Bifuel	Large-SUV-Executive	Euro 4	0	0	0	0
Passenger Cars	CNG Bifuel	Large-SUV-Executive	Euro 5	0	0	0	0
Passenger Cars	CNG Bifuel	Large-SUV-Executive	Euro 6	0	0	0	0
Light Commercial Vehicles	Petrol	N1-I	Conventional	0	0	0	0
Light Commercial Vehicles	Petrol	N1-I	Euro 1	0	0	0	0
Light Commercial Vehicles	Petrol	N1-I	Euro 2	0	0	0	0
Light Commercial Vehicles	Petrol	N1-I	Euro 3	0	0	0	0
Light Commercial Vehicles	Petrol	N1-I	Euro 4	0	0	0	0
Light Commercial Vehicles	Petrol	N1-I	Euro 5	0	0	0	0
Light Commercial Vehicles	Petrol	N1-I	Euro 6 up to 2016	0	0	0	0
Light Commercial Vehicles	Petrol	N1-I	Euro 6 2017-2019	0	0	0	0
Light Commercial Vehicles	Petrol	N1-I	Euro 6 2020+	0	0	0	0
Light Commercial Vehicles	Petrol	N1-II	Conventional	0	0	0	0
Light Commercial Vehicles	Petrol	N1-II	Euro 1	0	0	0	0
Light Commercial Vehicles	Petrol	N1-II	Euro 2	0	0	0	0
Light Commercial Vehicles	Petrol	N1-II	Euro 3	0	0	0	0
Light Commercial Vehicles	Petrol	N1-II	Euro 4	0	0	0	0
Light Commercial Vehicles	Petrol	N1-II	Euro 5	0	0	0	0

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Light Commercial Vehicles	Petrol	N1-II	Euro 6 up to 2017	0	0	0	0
Light Commercial Vehicles	Petrol	N1-II	Euro 6 2018-2020	0	0	0	0
Light Commercial Vehicles	Petrol	N1-II	Euro 6 2021+	0	0	0	0
Light Commercial Vehicles	Petrol	N1-III	Conventional	0	0	0	0
Light Commercial Vehicles	Petrol	N1-III	Euro 1	0	0	0	0
Light Commercial Vehicles	Petrol	N1-III	Euro 2	0	0	0	0
Light Commercial Vehicles	Petrol	N1-III	Euro 3	0	0	0	0
Light Commercial Vehicles	Petrol	N1-III	Euro 4	0	0	0	0
Light Commercial Vehicles	Petrol	N1-III	Euro 5	0	0	0	0
Light Commercial Vehicles	Petrol	N1-III	Euro 6 up to 2017	0	0	0	0
Light Commercial Vehicles	Petrol	N1-III	Euro 6 2018-2020	0	0	0	0
Light Commercial Vehicles	Petrol	N1-III	Euro 6 2021+	0	0	0	0
Light Commercial Vehicles	Diesel	N1-I	Conventional	0	0	0	0
Light Commercial Vehicles	Diesel	N1-I	Euro 1	0	0	0	0
Light Commercial Vehicles	Diesel	N1-I	Euro 2	0	0	0	0
Light Commercial Vehicles	Diesel	N1-I	Euro 3	0	0	0	0
Light Commercial Vehicles	Diesel	N1-I	Euro 4	0	0	0	0
Light Commercial Vehicles	Diesel	N1-I	Euro 5	0	0	0	0

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Light Commercial Vehicles	Diesel	N1-I	Euro 6 up to 2016	0	0	0	0
Light Commercial Vehicles	Diesel	N1-I	Euro 6 2017-2019	0	0	0	0
Light Commercial Vehicles	Diesel	N1-I	Euro 6 2020+	0	0	0	0
Light Commercial Vehicles	Diesel	N1-II	Conventional	0	0	0	0
Light Commercial Vehicles	Diesel	N1-II	Euro 1	0	0	0	0
Light Commercial Vehicles	Diesel	N1-II	Euro 2	0	0	0	0
Light Commercial Vehicles	Diesel	N1-II	Euro 3	0	0	0	0
Light Commercial Vehicles	Diesel	N1-II	Euro 4	0	0	0	0
Light Commercial Vehicles	Diesel	N1-II	Euro 5	0	0	0	0
Light Commercial Vehicles	Diesel	N1-II	Euro 6 up to 2017	0	0	0	0
Light Commercial Vehicles	Diesel	N1-II	Euro 6 2018-2020	0	0	0	0
Light Commercial Vehicles	Diesel	N1-II	Euro 6 2021+	0	0	0	0
Light Commercial Vehicles	Diesel	N1-III	Conventional	0	0	0	0
Light Commercial Vehicles	Diesel	N1-III	Euro 1	0	0	0	0
Light Commercial Vehicles	Diesel	N1-III	Euro 2	0	0	0	0
Light Commercial Vehicles	Diesel	N1-III	Euro 3	0	0	0	0
Light Commercial Vehicles	Diesel	N1-III	Euro 4	0	0	0	0
Light Commercial Vehicles	Diesel	N1-III	Euro 5	0	0	0	0

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Light Commercial Vehicles	Diesel	N1-III	Euro 6 up to 2017	0	0	0	0
Light Commercial Vehicles	Diesel	N1-III	Euro 6 2018-2020	0	0	0	0
Light Commercial Vehicles	Diesel	N1-III	Euro 6 2021+	0	0	0	0
Heavy Duty Trucks	Petrol	>3,5 t	Conventional	0	0	0	0
Heavy Duty Trucks	Diesel	Rigid <=7,5 t	Conventional	0	0	0	0
Heavy Duty Trucks	Diesel	Rigid <=7,5 t	Euro I	0	0	0	0
Heavy Duty Trucks	Diesel	Rigid <=7,5 t	Euro II	0	0	0	0
Heavy Duty Trucks	Diesel	Rigid <=7,5 t	Euro III	0	0	0	0
Heavy Duty Trucks	Diesel	Rigid <=7,5 t	Euro IV	0	0	0	0
Heavy Duty Trucks	Diesel	Rigid <=7,5 t	Euro V	0	0	0	0
Heavy Duty Trucks	Diesel	Rigid <=7,5 t	Euro VI	0	0	0	0
Heavy Duty Trucks	Diesel	Rigid 7,5 - 12 t	Conventional	0	0	0	0
Heavy Duty Trucks	Diesel	Rigid 7,5 - 12 t	Euro I	0	0	0	0
Heavy Duty Trucks	Diesel	Rigid 7,5 - 12 t	Euro II	0	0	0	0
Heavy Duty Trucks	Diesel	Rigid 7,5 - 12 t	Euro III	0	0	0	0
Heavy Duty Trucks	Diesel	Rigid 7,5 - 12 t	Euro IV	0	0	0	0
Heavy Duty Trucks	Diesel	Rigid 7,5 - 12 t	Euro V	0	0	0	0
Heavy Duty Trucks	Diesel	Rigid 7,5 - 12 t	Euro VI	0	0	0	0
Heavy Duty Trucks	Diesel	Rigid 12 - 14 t	Conventional	0	0	0	0
Heavy Duty Trucks	Diesel	Rigid 12 - 14 t	Euro I	0	0	0	0
Heavy Duty Trucks	Diesel	Rigid 12 - 14 t	Euro II	0	0	0	0
Heavy Duty Trucks	Diesel	Rigid 12 - 14 t	Euro III	0	0	0	0
Heavy Duty Trucks	Diesel	Rigid 12 - 14 t	Euro IV	0	0	0	0
Heavy Duty Trucks	Diesel	Rigid 12 - 14 t	Euro V	0	0	0	0
Heavy Duty Trucks	Diesel	Rigid 12 - 14 t	Euro VI	0	0	0	0

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Conventional	0	0	0	0
Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Euro I	0	0	0	0
Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Euro II	0	0	0	0
Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Euro III	0	0	0	0
Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Euro IV	0	0	0	0
Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Euro V	0	0	0	0
Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Euro VI	0	0	0	0
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Conventional	0	0	0	0
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Euro I	0	0	0	0
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Euro II	0	0	0	0
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Euro III	0	0	0	0
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Euro IV	0	0	0	0
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Euro V	0	0	0	0
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Euro VI	0	0	0	0
Heavy Duty Trucks	Diesel	Rigid 26 - 28 t	Conventional	0	0	0	0
Heavy Duty Trucks	Diesel	Rigid 26 - 28 t	Euro I	0	0	0	0
Heavy Duty Trucks	Diesel	Rigid 26 - 28 t	Euro II	0	0	0	0
Heavy Duty Trucks	Diesel	Rigid 26 - 28 t	Euro III	0	0	0	0
Heavy Duty Trucks	Diesel	Rigid 26 - 28 t	Euro IV	0	0	0	0
Heavy Duty Trucks	Diesel	Rigid 26 - 28 t	Euro V	0	0	0	0
Heavy Duty Trucks	Diesel	Rigid 26 - 28 t	Euro VI	0	0	0	0
Heavy Duty Trucks	Diesel	Rigid 28 - 32 t	Conventional	0	0	0	0
Heavy Duty Trucks	Diesel	Rigid 28 - 32 t	Euro I	0	0	0	0
Heavy Duty Trucks	Diesel	Rigid 28 - 32 t	Euro II	0	0	0	0
Heavy Duty Trucks	Diesel	Rigid 28 - 32 t	Euro III	0	0	0	0
Heavy Duty Trucks	Diesel	Rigid 28 - 32 t	Euro IV	0	0	0	0
Heavy Duty Trucks	Diesel	Rigid 28 - 32 t	Euro V	0	0	0	0

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Heavy Duty Trucks	Diesel	Rigid 28 - 32 t	Euro VI	0	0	0	0
Heavy Duty Trucks	Diesel	Rigid >32 t	Conventional	0	0	0	0
Heavy Duty Trucks	Diesel	Rigid >32 t	Euro I	0	0	0	0
Heavy Duty Trucks	Diesel	Rigid >32 t	Euro II	0	0	0	0
Heavy Duty Trucks	Diesel	Rigid >32 t	Euro III	0	0	0	0
Heavy Duty Trucks	Diesel	Rigid >32 t	Euro IV	0	0	0	0
Heavy Duty Trucks	Diesel	Rigid >32 t	Euro V	0	0	0	0
Heavy Duty Trucks	Diesel	Rigid >32 t	Euro VI	0	0	0	0
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Conventional	0	0	0	0
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro I	0	0	0	0
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro II	0	0	0	0
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro III	0	0	0	0
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro IV	0	0	0	0
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro V	0	0	0	0
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro VI	0	0	0	0
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t	Conventional	0	0	0	0
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t	Euro I	0	0	0	0
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t	Euro II	0	0	0	0
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t	Euro III	0	0	0	0
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t	Euro IV	0	0	0	0
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t	Euro V	0	0	0	0
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t	Euro VI	0	0	0	0
Heavy Duty Trucks	Diesel	Articulated 28 - 34 t	Conventional	0	0	0	0
Heavy Duty Trucks	Diesel	Articulated 28 - 34 t	Euro I	0	0	0	0
Heavy Duty Trucks	Diesel	Articulated 28 - 34 t	Euro II	0	0	0	0
Heavy Duty Trucks	Diesel	Articulated 28 - 34 t	Euro III	0	0	0	0
Heavy Duty Trucks	Diesel	Articulated 28 - 34 t	Euro IV	0	0	0	0

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Heavy Duty Trucks	Diesel	Articulated 28 - 34 t	Euro V	0	0	0	0
Heavy Duty Trucks	Diesel	Articulated 28 - 34 t	Euro VI	0	0	0	0
Heavy Duty Trucks	Diesel	Articulated 34 - 40 t	Conventional	0	0	0	0
Heavy Duty Trucks	Diesel	Articulated 34 - 40 t	Euro I	0	0	0	0
Heavy Duty Trucks	Diesel	Articulated 34 - 40 t	Euro II	0	0	0	0
Heavy Duty Trucks	Diesel	Articulated 34 - 40 t	Euro III	0	0	0	0
Heavy Duty Trucks	Diesel	Articulated 34 - 40 t	Euro IV	0	0	0	0
Heavy Duty Trucks	Diesel	Articulated 34 - 40 t	Euro V	0	0	0	0
Heavy Duty Trucks	Diesel	Articulated 34 - 40 t	Euro VI	0	0	0	0
Heavy Duty Trucks	Diesel	Articulated 40 - 50 t	Conventional	0	0	0	0
Heavy Duty Trucks	Diesel	Articulated 40 - 50 t	Euro I	0	0	0	0
Heavy Duty Trucks	Diesel	Articulated 40 - 50 t	Euro II	0	0	0	0
Heavy Duty Trucks	Diesel	Articulated 40 - 50 t	Euro III	0	0	0	0
Heavy Duty Trucks	Diesel	Articulated 40 - 50 t	Euro IV	0	0	0	0
Heavy Duty Trucks	Diesel	Articulated 40 - 50 t	Euro V	0	0	0	0
Heavy Duty Trucks	Diesel	Articulated 40 - 50 t	Euro VI	0	0	0	0
Heavy Duty Trucks	Diesel	Articulated 50 - 60 t	Conventional	0	0	0	0
Heavy Duty Trucks	Diesel	Articulated 50 - 60 t	Euro I	0	0	0	0
Heavy Duty Trucks	Diesel	Articulated 50 - 60 t	Euro II	0	0	0	0
Heavy Duty Trucks	Diesel	Articulated 50 - 60 t	Euro III	0	0	0	0
Heavy Duty Trucks	Diesel	Articulated 50 - 60 t	Euro IV	0	0	0	0
Heavy Duty Trucks	Diesel	Articulated 50 - 60 t	Euro V	0	0	0	0
Heavy Duty Trucks	Diesel	Articulated 50 - 60 t	Euro VI	0	0	0	0
Buses	Diesel	Urban Buses Midi <=15 t	Conventional	0	0	0	0
Buses	Diesel	Urban Buses Midi <=15 t	Euro I	0	0	0	0
Buses	Diesel	Urban Buses Midi <=15 t	Euro II	0	0	0	0
Buses	Diesel	Urban Buses Midi <=15 t	Euro III	0	0	0	0

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Buses	Diesel	Urban Buses Midi ≤15 t	Euro IV	0	0	0	0
Buses	Diesel	Urban Buses Midi ≤15 t	Euro V	0	0	0	0
Buses	Diesel	Urban Buses Midi ≤15 t	Euro VI	0	0	0	0
Buses	Diesel	Urban Buses Standard 15 - 18 t	Conventional	0	0	0	0
Buses	Diesel	Urban Buses Standard 15 - 18 t	Euro I	0	0	0	0
Buses	Diesel	Urban Buses Standard 15 - 18 t	Euro II	0	0	0	0
Buses	Diesel	Urban Buses Standard 15 - 18 t	Euro III	0	0	0	0
Buses	Diesel	Urban Buses Standard 15 - 18 t	Euro IV	0	0	0	0
Buses	Diesel	Urban Buses Standard 15 - 18 t	Euro V	0	0	0	0
Buses	Diesel	Urban Buses Standard 15 - 18 t	Euro VI	0	0	0	0
Buses	Diesel	Urban Buses Articulated >18 t	Conventional	0	0	0	0
Buses	Diesel	Urban Buses Articulated >18 t	Euro I	0	0	0	0
Buses	Diesel	Urban Buses Articulated >18 t	Euro II	0	0	0	0
Buses	Diesel	Urban Buses Articulated >18 t	Euro III	0	0	0	0
Buses	Diesel	Urban Buses Articulated >18 t	Euro IV	0	0	0	0
Buses	Diesel	Urban Buses Articulated >18 t	Euro V	0	0	0	0
Buses	Diesel	Urban Buses Articulated >18 t	Euro VI	0	0	0	0
Buses	Diesel	Coaches Standard ≤18 t	Conventional	0	0	0	0
Buses	Diesel	Coaches Standard ≤18 t	Euro I	0	0	0	0
Buses	Diesel	Coaches Standard ≤18 t	Euro II	0	0	0	0
Buses	Diesel	Coaches Standard ≤18 t	Euro III	0	0	0	0
Buses	Diesel	Coaches Standard ≤18 t	Euro IV	0	0	0	0
Buses	Diesel	Coaches Standard ≤18 t	Euro V	0	0	0	0
Buses	Diesel	Coaches Standard ≤18 t	Euro VI	0	0	0	0
Buses	Diesel	Coaches Articulated >18 t	Conventional	0	0	0	0
Buses	Diesel	Coaches Articulated >18 t	Euro I	0	0	0	0
Buses	Diesel	Coaches Articulated >18 t	Euro II	0	0	0	0

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Buses	Diesel	Coaches Articulated >18 t	Euro III	0	0	0	0
Buses	Diesel	Coaches Articulated >18 t	Euro IV	0	0	0	0
Buses	Diesel	Coaches Articulated >18 t	Euro V	0	0	0	0
Buses	Diesel	Coaches Articulated >18 t	Euro VI	0	0	0	0
Buses	CNG	Urban CNG Buses	Euro I	0	0	0	0
Buses	CNG	Urban CNG Buses	Euro II	0	0	0	0
Buses	CNG	Urban CNG Buses	Euro III	0	0	0	0
Buses	CNG	Urban CNG Buses	EEV	0	0	0	0
Buses	Biodiesel	Urban Biodiesel Buses	Conventional	0	0	0	0
Buses	Biodiesel	Urban Biodiesel Buses	Euro I	0	0	0	0
Buses	Biodiesel	Urban Biodiesel Buses	Euro II	0	0	0	0
Buses	Biodiesel	Urban Biodiesel Buses	Euro III	0	0	0	0
Buses	Biodiesel	Urban Biodiesel Buses	Euro IV	0	0	0	0
Buses	Biodiesel	Urban Biodiesel Buses	Euro V	0	0	0	0
Buses	Biodiesel	Urban Biodiesel Buses	Euro VI	0	0	0	0
L-Category	Petrol	Mopeds 2-stroke <50 cm ³	Conventional	0	0	0	0
L-Category	Petrol	Mopeds 2-stroke <50 cm ³	Euro 1	0	0	0	0
L-Category	Petrol	Mopeds 2-stroke <50 cm ³	Euro 2	0	0	0	0
L-Category	Petrol	Mopeds 2-stroke <50 cm ³	Euro 3	0	0	0	0
L-Category	Petrol	Mopeds 2-stroke <50 cm ³	Euro 4	0	0	0	0
L-Category	Petrol	Mopeds 2-stroke <50 cm ³	Euro 5	0	0	0	0
L-Category	Petrol	Mopeds 4-stroke <50 cm ³	Conventional	0	0	0	0
L-Category	Petrol	Mopeds 4-stroke <50 cm ³	Euro 1	0	0	0	0
L-Category	Petrol	Mopeds 4-stroke <50 cm ³	Euro 2	0	0	0	0
L-Category	Petrol	Mopeds 4-stroke <50 cm ³	Euro 3	0	0	0	0
L-Category	Petrol	Mopeds 4-stroke <50 cm ³	Euro 4	0	0	0	0
L-Category	Petrol	Mopeds 4-stroke <50 cm ³	Euro 5	0	0	0	0
L-Category	Petrol	Motorcycles 2- stroke >50 cm ³	Conventional	0	0	0	0

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

L-Category	Petrol	Motorcycles 2-stroke >50 cm ³	Euro 1	0	0	0	0
L-Category	Petrol	Motorcycles 2-stroke >50 cm ³	Euro 2	0	0	0	0
L-Category	Petrol	Motorcycles 2-stroke >50 cm ³	Euro 3	0	0	0	0
L-Category	Petrol	Motorcycles 2-stroke >50 cm ³	Euro 4	0	0	0	0
L-Category	Petrol	Motorcycles 2-stroke >50 cm ³	Euro 5	0	0	0	0
L-Category	Petrol	Motorcycles 4-stroke <250 cm ³	Conventional	0	0	0	0
L-Category	Petrol	Motorcycles 4-stroke <250 cm ³	Euro 1	0	0	0	0
L-Category	Petrol	Motorcycles 4-stroke <250 cm ³	Euro 2	0	0	0	0
L-Category	Petrol	Motorcycles 4-stroke <250 cm ³	Euro 3	0	0	0	0
L-Category	Petrol	Motorcycles 4-stroke <250 cm ³	Euro 4	0	0	0	0
L-Category	Petrol	Motorcycles 4-stroke <250 cm ³	Euro 5	0	0	0	0
L-Category	Petrol	Motorcycles 4-stroke 250 - 750 cm ³	Conventional	0	0	0	0
L-Category	Petrol	Motorcycles 4-stroke 250 - 750 cm ³	Euro 1	0	0	0	0
L-Category	Petrol	Motorcycles 4-stroke 250 - 750 cm ³	Euro 2	0	0	0	0
L-Category	Petrol	Motorcycles 4-stroke 250 - 750 cm ³	Euro 3	0	0	0	0
L-Category	Petrol	Motorcycles 4-stroke 250 - 750 cm ³	Euro 4	0	0	0	0
L-Category	Petrol	Motorcycles 4-stroke 250 - 750 cm ³	Euro 5	0	0	0	0
L-Category	Petrol	Motorcycles 4-stroke >750 cm ³	Conventional	0	0	0	0
L-Category	Petrol	Motorcycles 4-stroke >750 cm ³	Euro 1	0	0	0	0
L-Category	Petrol	Motorcycles 4-stroke >750 cm ³	Euro 2	0	0	0	0
L-Category	Petrol	Motorcycles 4-stroke >750 cm ³	Euro 3	0	0	0	0
L-Category	Petrol	Motorcycles 4-stroke >750 cm ³	Euro 4	0	0	0	0
L-Category	Petrol	Motorcycles 4-stroke >750 cm ³	Euro 5	0	0	0	0
L-Category	Petrol	Quad & ATVs	Euro 1	0	0	0	0

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

L-Category	Petrol	Quad & ATVs	Euro 2	0	0	0	0
L-Category	Petrol	Quad & ATVs	Euro 3	0	0	0	0
L-Category	Petrol	Quad & ATVs	Euro 4	0	0	0	0
L-Category	Petrol	Quad & ATVs	Euro 5	0	0	0	0
L-Category	Diesel	Micro-car	Euro 1	0	0	0	0
L-Category	Diesel	Micro-car	Euro 2	0	0	0	0
L-Category	Diesel	Micro-car	Euro 3	0	0	0	0
L-Category	Diesel	Micro-car	Euro 4	0	0	0	0
L-Category	Diesel	Micro-car	Euro 5	0	0	0	0
				13.8	15.4	17.4	17.8

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

PM10 emissions

Category	Fuel	Segment	Euro Standard	2017_T	2018_T
Passenger Cars	Petrol	Mini	Euro 4	0.001	0.001
Passenger Cars	Petrol	Mini	Euro 5	0.000	0.000
Passenger Cars	Petrol	Mini	Euro 6 up to 2016	0.000	0.000
Passenger Cars	Petrol	Mini	Euro 6 2017-2019	0.000	0.000
Passenger Cars	Petrol	Mini	Euro 6 2020+	0.000	0.000
Passenger Cars	Petrol	Small	PRE ECE	0.000	0.000
Passenger Cars	Petrol	Small	ECE 15/00-01	0.000	0.000
Passenger Cars	Petrol	Small	ECE 15/02	0.000	0.000
Passenger Cars	Petrol	Small	ECE 15/03	0.000	0.000
Passenger Cars	Petrol	Small	ECE 15/04	0.001	0.001
Passenger Cars	Petrol	Small	Improved Conventional	0.000	0.000
Passenger Cars	Petrol	Small	Open Loop	0.000	0.000
Passenger Cars	Petrol	Small	Euro 1	0.002	0.002
Passenger Cars	Petrol	Small	Euro 2	0.006	0.006
Passenger Cars	Petrol	Small	Euro 3	0.004	0.003
Passenger Cars	Petrol	Small	Euro 4	0.007	0.007
Passenger Cars	Petrol	Small	Euro 5	0.002	0.002
Passenger Cars	Petrol	Small	Euro 6 up to 2016	0.000	0.000
Passenger Cars	Petrol	Small	Euro 6 2017-2019	0.000	0.001
Passenger Cars	Petrol	Small	Euro 6 2020+	0.000	0.000
Passenger Cars	Petrol	Medium	PRE ECE	0.000	0.000
Passenger Cars	Petrol	Medium	ECE 15/00-01	0.000	0.000
Passenger Cars	Petrol	Medium	ECE 15/02	0.000	0.000
Passenger Cars	Petrol	Medium	ECE 15/03	0.000	0.000
Passenger Cars	Petrol	Medium	ECE 15/04	0.000	0.000

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Passenger Cars	Petrol	Medium	Improved Conventional	0.000	0.000
Passenger Cars	Petrol	Medium	Open Loop	0.000	0.000
Passenger Cars	Petrol	Medium	Euro 1	0.001	0.001
Passenger Cars	Petrol	Medium	Euro 2	0.003	0.003
Passenger Cars	Petrol	Medium	Euro 3	0.002	0.002
Passenger Cars	Petrol	Medium	Euro 4	0.002	0.002
Passenger Cars	Petrol	Medium	Euro 5	0.001	0.001
Passenger Cars	Petrol	Medium	Euro 6 up to 2016	0.000	0.000
Passenger Cars	Petrol	Medium	Euro 6 2017-2019	0.000	0.001
Passenger Cars	Petrol	Medium	Euro 6 2020+	0.000	0.000
Passenger Cars	Petrol	Large-SUV-Executive	PRE ECE	0.000	0.000
Passenger Cars	Petrol	Large-SUV-Executive	ECE 15/00-01	0.000	0.000
Passenger Cars	Petrol	Large-SUV-Executive	ECE 15/02	0.000	0.000
Passenger Cars	Petrol	Large-SUV-Executive	ECE 15/03	0.000	0.000
Passenger Cars	Petrol	Large-SUV-Executive	ECE 15/04	0.000	0.000
Passenger Cars	Petrol	Large-SUV-Executive	Euro 1	0.000	0.000
Passenger Cars	Petrol	Large-SUV-Executive	Euro 2	0.000	0.000
Passenger Cars	Petrol	Large-SUV-Executive	Euro 3	0.000	0.000
Passenger Cars	Petrol	Large-SUV-Executive	Euro 4	0.000	0.000
Passenger Cars	Petrol	Large-SUV-Executive	Euro 5	0.000	0.000
Passenger Cars	Petrol	Large-SUV-Executive	Euro 6 up to 2016	0.000	0.000
Passenger Cars	Petrol	Large-SUV-Executive	Euro 6 2017-2019	0.000	0.000
Passenger Cars	Petrol	Large-SUV-Executive	Euro 6 2020+	0.000	0.000
Passenger Cars	Petrol	2-Stroke	Conventional	0.000	0.000
Passenger Cars	Diesel	Mini	Euro 4	0.009	0.011
Passenger Cars	Diesel	Mini	Euro 5	0.002	0.002
Passenger Cars	Diesel	Mini	Euro 6 up to 2016	0.000	0.000

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Passenger Cars	Diesel	Mini	Euro 6 2017-2019	0.000	0.000
Passenger Cars	Diesel	Mini	Euro 6 2020+	0.000	0.000
Passenger Cars	Diesel	Small	Conventional	0.022	0.018
Passenger Cars	Diesel	Small	Euro 1	0.020	0.017
Passenger Cars	Diesel	Small	Euro 2	0.065	0.057
Passenger Cars	Diesel	Small	Euro 3	0.079	0.074
Passenger Cars	Diesel	Small	Euro 4	0.044	0.059
Passenger Cars	Diesel	Small	Euro 5	0.009	0.009
Passenger Cars	Diesel	Small	Euro 6 up to 2016	0.003	0.003
Passenger Cars	Diesel	Small	Euro 6 2017-2019	0.002	0.003
Passenger Cars	Diesel	Small	Euro 6 2020+	0.000	0.000
Passenger Cars	Diesel	Medium	Conventional	0.000	0.000
Passenger Cars	Diesel	Medium	Euro 1	0.000	0.000
Passenger Cars	Diesel	Medium	Euro 2	0.000	0.000
Passenger Cars	Diesel	Medium	Euro 3	0.000	0.000
Passenger Cars	Diesel	Medium	Euro 4	0.000	0.000
Passenger Cars	Diesel	Medium	Euro 5	0.000	0.000
Passenger Cars	Diesel	Medium	Euro 6 up to 2016	0.000	0.000
Passenger Cars	Diesel	Medium	Euro 6 2017-2019	0.000	0.000
Passenger Cars	Diesel	Medium	Euro 6 2020+	0.000	0.000
Passenger Cars	Diesel	Large-SUV-Executive	Conventional	0.004	0.003
Passenger Cars	Diesel	Large-SUV-Executive	Euro 1	0.003	0.003
Passenger Cars	Diesel	Large-SUV-Executive	Euro 2	0.015	0.013
Passenger Cars	Diesel	Large-SUV-Executive	Euro 3	0.025	0.022
Passenger Cars	Diesel	Large-SUV-Executive	Euro 4	0.012	0.015
Passenger Cars	Diesel	Large-SUV-Executive	Euro 5	0.002	0.003
Passenger Cars	Diesel	Large-SUV-Executive	Euro 6 up to 2016	0.001	0.001

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Passenger Cars	Diesel	Large-SUV-Executive	Euro 6 2017-2019	0.000	0.000
Passenger Cars	Diesel	Large-SUV-Executive	Euro 6 2020+	0.000	0.000
Passenger Cars	Petrol Hybrid	Mini	Euro 4	0.000	0.000
Passenger Cars	Petrol Hybrid	Mini	Euro 5	0.000	0.000
Passenger Cars	Petrol Hybrid	Mini	Euro 6 up to 2016	0.000	0.000
Passenger Cars	Petrol Hybrid	Mini	Euro 6 2017-2019	0.000	0.000
Passenger Cars	Petrol Hybrid	Mini	Euro 6 2020+	0.000	0.000
Passenger Cars	Petrol Hybrid	Small	Euro 4	0.000	0.000
Passenger Cars	Petrol Hybrid	Small	Euro 5	0.000	0.000
Passenger Cars	Petrol Hybrid	Small	Euro 6 up to 2016	0.000	0.000
Passenger Cars	Petrol Hybrid	Small	Euro 6 2017-2019	0.000	0.000
Passenger Cars	Petrol Hybrid	Small	Euro 6 2020+	0.000	0.000
Passenger Cars	Petrol Hybrid	Medium	Euro 4	0.000	0.000
Passenger Cars	Petrol Hybrid	Medium	Euro 5	0.000	0.000
Passenger Cars	Petrol Hybrid	Medium	Euro 6 up to 2016	0.000	0.000
Passenger Cars	Petrol Hybrid	Medium	Euro 6 2017-2019	0.000	0.000
Passenger Cars	Petrol Hybrid	Medium	Euro 6 2020+	0.000	0.000
Passenger Cars	Petrol Hybrid	Large-SUV-Executive	Euro 4	0.000	0.000
Passenger Cars	Petrol Hybrid	Large-SUV-Executive	Euro 5	0.000	0.000
Passenger Cars	Petrol Hybrid	Large-SUV-Executive	Euro 6 up to 2016	0.000	0.000
Passenger Cars	Petrol Hybrid	Large-SUV-Executive	Euro 6 2017-2019	0.000	0.000
Passenger Cars	Petrol Hybrid	Large-SUV-Executive	Euro 6 2020+	0.000	0.000
Passenger Cars	LPG Bifuel	Mini	Euro 4	0.000	0.000
Passenger Cars	LPG Bifuel	Mini	Euro 5	0.000	0.000
Passenger Cars	LPG Bifuel	Mini	Euro 6	0.000	0.000
Passenger Cars	LPG Bifuel	Small	Conventional	0.003	0.002
Passenger Cars	LPG Bifuel	Small	Euro 1	0.004	0.003

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Passenger Cars	LPG Bifuel	Small	Euro 2	0.007	0.007
Passenger Cars	LPG Bifuel	Small	Euro 3	0.004	0.005
Passenger Cars	LPG Bifuel	Small	Euro 4	0.005	0.006
Passenger Cars	LPG Bifuel	Small	Euro 5	0.001	0.001
Passenger Cars	LPG Bifuel	Small	Euro 6	0.000	0.000
Passenger Cars	LPG Bifuel	Medium	Conventional	0.000	0.000
Passenger Cars	LPG Bifuel	Medium	Euro 1	0.000	0.000
Passenger Cars	LPG Bifuel	Medium	Euro 2	0.000	0.000
Passenger Cars	LPG Bifuel	Medium	Euro 3	0.000	0.000
Passenger Cars	LPG Bifuel	Medium	Euro 4	0.000	0.000
Passenger Cars	LPG Bifuel	Medium	Euro 5	0.000	0.000
Passenger Cars	LPG Bifuel	Medium	Euro 6	0.000	0.000
Passenger Cars	LPG Bifuel	Large-SUV-Executive	Conventional	0.000	0.000
Passenger Cars	LPG Bifuel	Large-SUV-Executive	Euro 1	0.000	0.000
Passenger Cars	LPG Bifuel	Large-SUV-Executive	Euro 2	0.000	0.000
Passenger Cars	LPG Bifuel	Large-SUV-Executive	Euro 3	0.000	0.000
Passenger Cars	LPG Bifuel	Large-SUV-Executive	Euro 4	0.000	0.000
Passenger Cars	LPG Bifuel	Large-SUV-Executive	Euro 5	0.000	0.000
Passenger Cars	LPG Bifuel	Large-SUV-Executive	Euro 6	0.000	0.000
Passenger Cars	CNG Bifuel	Mini	Euro 4	0.000	0.000
Passenger Cars	CNG Bifuel	Mini	Euro 5	0.000	0.000
Passenger Cars	CNG Bifuel	Mini	Euro 6	0.000	0.000
Passenger Cars	CNG Bifuel	Small	Euro 4	0.000	0.000
Passenger Cars	CNG Bifuel	Small	Euro 5	0.000	0.000
Passenger Cars	CNG Bifuel	Small	Euro 6	0.000	0.000
Passenger Cars	CNG Bifuel	Medium	Euro 4	0.000	0.000
Passenger Cars	CNG Bifuel	Medium	Euro 5	0.000	0.000

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Passenger Cars	CNG Bifuel	Medium	Euro 6	0.000	0.000
Passenger Cars	CNG Bifuel	Large-SUV-Executive	Euro 4	0.000	0.000
Passenger Cars	CNG Bifuel	Large-SUV-Executive	Euro 5	0.000	0.000
Passenger Cars	CNG Bifuel	Large-SUV-Executive	Euro 6	0.000	0.000
Light Commercial Vehicles	Petrol	N1-I	Conventional	0.000	0.000
Light Commercial Vehicles	Petrol	N1-I	Euro 1	0.000	0.000
Light Commercial Vehicles	Petrol	N1-I	Euro 2	0.000	0.000
Light Commercial Vehicles	Petrol	N1-I	Euro 3	0.000	0.000
Light Commercial Vehicles	Petrol	N1-I	Euro 4	0.000	0.000
Light Commercial Vehicles	Petrol	N1-I	Euro 5	0.000	0.000
Light Commercial Vehicles	Petrol	N1-I	Euro 6 up to 2016	0.000	0.000
Light Commercial Vehicles	Petrol	N1-I	Euro 6 2017-2019	0.000	0.000
Light Commercial Vehicles	Petrol	N1-I	Euro 6 2020+	0.000	0.000
Light Commercial Vehicles	Petrol	N1-II	Conventional	0.000	0.000
Light Commercial Vehicles	Petrol	N1-II	Euro 1	0.000	0.000
Light Commercial Vehicles	Petrol	N1-II	Euro 2	0.000	0.000
Light Commercial Vehicles	Petrol	N1-II	Euro 3	0.000	0.000
Light Commercial Vehicles	Petrol	N1-II	Euro 4	0.000	0.000
Light Commercial Vehicles	Petrol	N1-II	Euro 5	0.000	0.000

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Light Commercial Vehicles	Petrol	N1-II	Euro 6 up to 2017	0.000	0.000
Light Commercial Vehicles	Petrol	N1-II	Euro 6 2018-2020	0.000	0.000
Light Commercial Vehicles	Petrol	N1-II	Euro 6 2021+	0.000	0.000
Light Commercial Vehicles	Petrol	N1-III	Conventional	0.000	0.000
Light Commercial Vehicles	Petrol	N1-III	Euro 1	0.000	0.000
Light Commercial Vehicles	Petrol	N1-III	Euro 2	0.000	0.000
Light Commercial Vehicles	Petrol	N1-III	Euro 3	0.000	0.000
Light Commercial Vehicles	Petrol	N1-III	Euro 4	0.000	0.000
Light Commercial Vehicles	Petrol	N1-III	Euro 5	0.000	0.000
Light Commercial Vehicles	Petrol	N1-III	Euro 6 up to 2017	0.000	0.000
Light Commercial Vehicles	Petrol	N1-III	Euro 6 2018-2020	0.000	0.000
Light Commercial Vehicles	Petrol	N1-III	Euro 6 2021+	0.000	0.000
Light Commercial Vehicles	Diesel	N1-I	Conventional	0.001	0.000
Light Commercial Vehicles	Diesel	N1-I	Euro 1	0.001	0.001
Light Commercial Vehicles	Diesel	N1-I	Euro 2	0.001	0.001
Light Commercial Vehicles	Diesel	N1-I	Euro 3	0.002	0.001
Light Commercial Vehicles	Diesel	N1-I	Euro 4	0.002	0.002
Light Commercial Vehicles	Diesel	N1-I	Euro 5	0.001	0.001

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Light Commercial Vehicles	Diesel	N1-I	Euro 6 up to 2016	0.000	0.000
Light Commercial Vehicles	Diesel	N1-I	Euro 6 2017-2019	0.000	0.000
Light Commercial Vehicles	Diesel	N1-I	Euro 6 2020+	0.000	0.000
Light Commercial Vehicles	Diesel	N1-II	Conventional	0.002	0.001
Light Commercial Vehicles	Diesel	N1-II	Euro 1	0.001	0.001
Light Commercial Vehicles	Diesel	N1-II	Euro 2	0.003	0.002
Light Commercial Vehicles	Diesel	N1-II	Euro 3	0.003	0.003
Light Commercial Vehicles	Diesel	N1-II	Euro 4	0.003	0.003
Light Commercial Vehicles	Diesel	N1-II	Euro 5	0.001	0.001
Light Commercial Vehicles	Diesel	N1-II	Euro 6 up to 2017	0.001	0.001
Light Commercial Vehicles	Diesel	N1-II	Euro 6 2018-2020	0.000	0.000
Light Commercial Vehicles	Diesel	N1-II	Euro 6 2021+	0.000	0.000
Light Commercial Vehicles	Diesel	N1-III	Conventional	0.013	0.011
Light Commercial Vehicles	Diesel	N1-III	Euro 1	0.002	0.002
Light Commercial Vehicles	Diesel	N1-III	Euro 2	0.005	0.005
Light Commercial Vehicles	Diesel	N1-III	Euro 3	0.009	0.008
Light Commercial Vehicles	Diesel	N1-III	Euro 4	0.009	0.009
Light Commercial Vehicles	Diesel	N1-III	Euro 5	0.002	0.002

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Light Commercial Vehicles	Diesel	N1-III	Euro 6 up to 2017	0.001	0.001
Light Commercial Vehicles	Diesel	N1-III	Euro 6 2018-2020	0.000	0.000
Light Commercial Vehicles	Diesel	N1-III	Euro 6 2021+	0.000	0.000
Heavy Duty Trucks	Petrol	>3,5 t	Conventional	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid <=7,5 t	Conventional	0.002	0.002
Heavy Duty Trucks	Diesel	Rigid <=7,5 t	Euro I	0.001	0.001
Heavy Duty Trucks	Diesel	Rigid <=7,5 t	Euro II	0.002	0.001
Heavy Duty Trucks	Diesel	Rigid <=7,5 t	Euro III	0.002	0.002
Heavy Duty Trucks	Diesel	Rigid <=7,5 t	Euro IV	0.001	0.001
Heavy Duty Trucks	Diesel	Rigid <=7,5 t	Euro V	0.001	0.001
Heavy Duty Trucks	Diesel	Rigid <=7,5 t	Euro VI	0.000	0.001
Heavy Duty Trucks	Diesel	Rigid 7,5 - 12 t	Conventional	0.005	0.004
Heavy Duty Trucks	Diesel	Rigid 7,5 - 12 t	Euro I	0.001	0.001
Heavy Duty Trucks	Diesel	Rigid 7,5 - 12 t	Euro II	0.002	0.002
Heavy Duty Trucks	Diesel	Rigid 7,5 - 12 t	Euro III	0.003	0.003
Heavy Duty Trucks	Diesel	Rigid 7,5 - 12 t	Euro IV	0.001	0.002
Heavy Duty Trucks	Diesel	Rigid 7,5 - 12 t	Euro V	0.001	0.002
Heavy Duty Trucks	Diesel	Rigid 7,5 - 12 t	Euro VI	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 12 - 14 t	Conventional	0.007	0.006
Heavy Duty Trucks	Diesel	Rigid 12 - 14 t	Euro I	0.001	0.000
Heavy Duty Trucks	Diesel	Rigid 12 - 14 t	Euro II	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 12 - 14 t	Euro III	0.001	0.001
Heavy Duty Trucks	Diesel	Rigid 12 - 14 t	Euro IV	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 12 - 14 t	Euro V	0.001	0.000
Heavy Duty Trucks	Diesel	Rigid 12 - 14 t	Euro VI	0.000	0.000

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Conventional	0.011	0.009
Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Euro I	0.002	0.002
Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Euro II	0.003	0.002
Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Euro III	0.004	0.004
Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Euro IV	0.001	0.001
Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Euro V	0.002	0.002
Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Euro VI	0.001	0.001
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Conventional	0.007	0.007
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Euro I	0.002	0.002
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Euro II	0.003	0.003
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Euro III	0.005	0.005
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Euro IV	0.002	0.002
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Euro V	0.002	0.002
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Euro VI	0.000	0.001
Heavy Duty Trucks	Diesel	Rigid 26 - 28 t	Conventional	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 26 - 28 t	Euro I	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 26 - 28 t	Euro II	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 26 - 28 t	Euro III	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 26 - 28 t	Euro IV	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 26 - 28 t	Euro V	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 26 - 28 t	Euro VI	0.000	0.000
Heavy Duty Trucks	Diesel	Rigid 28 - 32 t	Conventional	0.001	0.001
Heavy Duty Trucks	Diesel	Rigid 28 - 32 t	Euro I	0.001	0.001
Heavy Duty Trucks	Diesel	Rigid 28 - 32 t	Euro II	0.002	0.001
Heavy Duty Trucks	Diesel	Rigid 28 - 32 t	Euro III	0.003	0.003
Heavy Duty Trucks	Diesel	Rigid 28 - 32 t	Euro IV	0.001	0.001
Heavy Duty Trucks	Diesel	Rigid 28 - 32 t	Euro V	0.001	0.001

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Heavy Duty Trucks	Diesel	Rigid 28 - 32 t	Euro VI	0.000	0.001
Heavy Duty Trucks	Diesel	Rigid >32 t	Conventional	0.001	0.000
Heavy Duty Trucks	Diesel	Rigid >32 t	Euro I	0.001	0.000
Heavy Duty Trucks	Diesel	Rigid >32 t	Euro II	0.001	0.001
Heavy Duty Trucks	Diesel	Rigid >32 t	Euro III	0.002	0.002
Heavy Duty Trucks	Diesel	Rigid >32 t	Euro IV	0.001	0.001
Heavy Duty Trucks	Diesel	Rigid >32 t	Euro V	0.001	0.001
Heavy Duty Trucks	Diesel	Rigid >32 t	Euro VI	0.001	0.001
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Conventional	0.001	0.001
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro I	0.001	0.001
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro II	0.004	0.003
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro III	0.013	0.011
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro IV	0.010	0.008
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro V	0.012	0.011
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro VI	0.007	0.008
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t	Conventional	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t	Euro I	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t	Euro II	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t	Euro III	0.001	0.001
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t	Euro IV	0.002	0.002
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t	Euro V	0.003	0.003
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t	Euro VI	0.002	0.003
Heavy Duty Trucks	Diesel	Articulated 28 - 34 t	Conventional	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 28 - 34 t	Euro I	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 28 - 34 t	Euro II	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 28 - 34 t	Euro III	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 28 - 34 t	Euro IV	0.000	0.000

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Heavy Duty Trucks	Diesel	Articulated 28 - 34 t	Euro V	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 28 - 34 t	Euro VI	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 34 - 40 t	Conventional	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 34 - 40 t	Euro I	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 34 - 40 t	Euro II	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 34 - 40 t	Euro III	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 34 - 40 t	Euro IV	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 34 - 40 t	Euro V	0.001	0.001
Heavy Duty Trucks	Diesel	Articulated 34 - 40 t	Euro VI	0.001	0.001
Heavy Duty Trucks	Diesel	Articulated 40 - 50 t	Conventional	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 40 - 50 t	Euro I	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 40 - 50 t	Euro II	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 40 - 50 t	Euro III	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 40 - 50 t	Euro IV	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 40 - 50 t	Euro V	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 40 - 50 t	Euro VI	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 50 - 60 t	Conventional	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 50 - 60 t	Euro I	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 50 - 60 t	Euro II	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 50 - 60 t	Euro III	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 50 - 60 t	Euro IV	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 50 - 60 t	Euro V	0.000	0.000
Heavy Duty Trucks	Diesel	Articulated 50 - 60 t	Euro VI	0.000	0.000
Buses	Diesel	Urban Buses Midi <=15 t	Conventional	0.001	0.000
Buses	Diesel	Urban Buses Midi <=15 t	Euro I	0.000	0.000
Buses	Diesel	Urban Buses Midi <=15 t	Euro II	0.000	0.000
Buses	Diesel	Urban Buses Midi <=15 t	Euro III	0.000	0.000

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Buses	Diesel	Urban Buses Midi <=15 t	Euro IV	0.000	0.000
Buses	Diesel	Urban Buses Midi <=15 t	Euro V	0.000	0.000
Buses	Diesel	Urban Buses Midi <=15 t	Euro VI	0.000	0.000
Buses	Diesel	Urban Buses Standard 15 - 18 t	Conventional	0.001	0.001
Buses	Diesel	Urban Buses Standard 15 - 18 t	Euro I	0.001	0.001
Buses	Diesel	Urban Buses Standard 15 - 18 t	Euro II	0.001	0.001
Buses	Diesel	Urban Buses Standard 15 - 18 t	Euro III	0.000	0.000
Buses	Diesel	Urban Buses Standard 15 - 18 t	Euro IV	0.000	0.000
Buses	Diesel	Urban Buses Standard 15 - 18 t	Euro V	0.002	0.001
Buses	Diesel	Urban Buses Standard 15 - 18 t	Euro VI	0.000	0.000
Buses	Diesel	Urban Buses Articulated >18 t	Conventional	0.000	0.000
Buses	Diesel	Urban Buses Articulated >18 t	Euro I	0.000	0.000
Buses	Diesel	Urban Buses Articulated >18 t	Euro II	0.000	0.000
Buses	Diesel	Urban Buses Articulated >18 t	Euro III	0.000	0.000
Buses	Diesel	Urban Buses Articulated >18 t	Euro IV	0.000	0.000
Buses	Diesel	Urban Buses Articulated >18 t	Euro V	0.000	0.000
Buses	Diesel	Urban Buses Articulated >18 t	Euro VI	0.000	0.000
Buses	Diesel	Coaches Standard <=18 t	Conventional	0.001	0.001
Buses	Diesel	Coaches Standard <=18 t	Euro I	0.000	0.000

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Buses	Diesel	Coaches Standard <=18 t	Euro II	0.002	0.002
Buses	Diesel	Coaches Standard <=18 t	Euro III	0.003	0.003
Buses	Diesel	Coaches Standard <=18 t	Euro IV	0.001	0.001
Buses	Diesel	Coaches Standard <=18 t	Euro V	0.001	0.001
Buses	Diesel	Coaches Standard <=18 t	Euro VI	0.000	0.000
Buses	Diesel	Coaches Articulated >18 t	Conventional	0.000	0.000
Buses	Diesel	Coaches Articulated >18 t	Euro I	0.000	0.000
Buses	Diesel	Coaches Articulated >18 t	Euro II	0.001	0.001
Buses	Diesel	Coaches Articulated >18 t	Euro III	0.001	0.001
Buses	Diesel	Coaches Articulated >18 t	Euro IV	0.000	0.000
Buses	Diesel	Coaches Articulated >18 t	Euro V	0.000	0.000
Buses	Diesel	Coaches Articulated >18 t	Euro VI	0.000	0.000
Buses	CNG	Urban CNG Buses	Euro I	0.000	0.000
Buses	CNG	Urban CNG Buses	Euro II	0.000	0.000
Buses	CNG	Urban CNG Buses	Euro III	0.000	0.000
Buses	CNG	Urban CNG Buses	EEV	0.000	0.000
Buses	Biodiesel	Urban Biodiesel Buses	Conventional	0.000	0.000
Buses	Biodiesel	Urban Biodiesel Buses	Euro I	0.000	0.000
Buses	Biodiesel	Urban Biodiesel Buses	Euro II	0.000	0.000

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Buses	Biodiesel	Urban Biodiesel Buses	Euro III	0.000	0.000
Buses	Biodiesel	Urban Biodiesel Buses	Euro IV	0.000	0.000
Buses	Biodiesel	Urban Biodiesel Buses	Euro V	0.000	0.000
Buses	Biodiesel	Urban Biodiesel Buses	Euro VI	0.000	0.000
L-Category	Petrol	Mopeds 2-stroke <50 cm ³	Conventional	0.000	0.000
L-Category	Petrol	Mopeds 2-stroke <50 cm ³	Euro 1	0.000	0.000
L-Category	Petrol	Mopeds 2-stroke <50 cm ³	Euro 2	0.000	0.000
L-Category	Petrol	Mopeds 2-stroke <50 cm ³	Euro 3	0.000	0.000
L-Category	Petrol	Mopeds 2-stroke <50 cm ³	Euro 4	0.000	0.000
L-Category	Petrol	Mopeds 2-stroke <50 cm ³	Euro 5	0.000	0.000
L-Category	Petrol	Mopeds 4-stroke <50 cm ³	Conventional	0.000	0.000
L-Category	Petrol	Mopeds 4-stroke <50 cm ³	Euro 1	0.000	0.000
L-Category	Petrol	Mopeds 4-stroke <50 cm ³	Euro 2	0.000	0.000
L-Category	Petrol	Mopeds 4-stroke <50 cm ³	Euro 3	0.000	0.000
L-Category	Petrol	Mopeds 4-stroke <50 cm ³	Euro 4	0.000	0.000
L-Category	Petrol	Mopeds 4-stroke <50 cm ³	Euro 5	0.000	0.000
L-Category	Petrol	Motorcycles 2-stroke >50 cm ³	Conventional	0.000	0.000
L-Category	Petrol	Motorcycles 2-stroke >50 cm ³	Euro 1	0.000	0.000
L-Category	Petrol	Motorcycles 2-stroke >50 cm ³	Euro 2	0.000	0.000
L-Category	Petrol	Motorcycles 2-stroke >50 cm ³	Euro 3	0.000	0.000
L-Category	Petrol	Motorcycles 2-stroke >50 cm ³	Euro 4	0.000	0.000
L-Category	Petrol	Motorcycles 2-stroke >50 cm ³	Euro 5	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke <250 cm ³	Conventional	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke <250 cm ³	Euro 1	0.000	0.000

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

L-Category	Petrol	Motorcycles 4-stroke <250 cm ³	Euro 2	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke <250 cm ³	Euro 3	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke <250 cm ³	Euro 4	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke <250 cm ³	Euro 5	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke 250 - 750 cm ³	Conventional	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke 250 - 750 cm ³	Euro 1	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke 250 - 750 cm ³	Euro 2	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke 250 - 750 cm ³	Euro 3	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke 250 - 750 cm ³	Euro 4	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke 250 - 750 cm ³	Euro 5	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke >750 cm ³	Conventional	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke >750 cm ³	Euro 1	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke >750 cm ³	Euro 2	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke >750 cm ³	Euro 3	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke >750 cm ³	Euro 4	0.000	0.000
L-Category	Petrol	Motorcycles 4-stroke >750 cm ³	Euro 5	0.000	0.000
L-Category	Petrol	Quad & ATVs	Euro 1	0.000	0.000
L-Category	Petrol	Quad & ATVs	Euro 2	0.000	0.000
L-Category	Petrol	Quad & ATVs	Euro 3	0.000	0.000
L-Category	Petrol	Quad & ATVs	Euro 4	0.000	0.000
L-Category	Petrol	Quad & ATVs	Euro 5	0.000	0.000

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

L-Category	Diesel	Micro-car	Euro 1	0.000	0.000
L-Category	Diesel	Micro-car	Euro 2	0.000	0.000
L-Category	Diesel	Micro-car	Euro 3	0.000	0.000
L-Category	Diesel	Micro-car	Euro 4	0.000	0.000
L-Category	Diesel	Micro-car	Euro 5	0.000	0.000
				0.616	0.592

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

PM2.5 emissions

Category	Fuel	Segment	Euro Standard	2017_T	2018_T
Passenger Cars	Petrol	Mini	Euro 4	0.0	0.0
Passenger Cars	Petrol	Mini	Euro 5	0.0	0.0
Passenger Cars	Petrol	Mini	Euro 6 up to 2016	0.0	0.0
Passenger Cars	Petrol	Mini	Euro 6 2017-2019	0.0	0.0
Passenger Cars	Petrol	Mini	Euro 6 2020+	0.0	0.0
Passenger Cars	Petrol	Small	PRE ECE	0.0	0.0
Passenger Cars	Petrol	Small	ECE 15/00-01	0.0	0.0
Passenger Cars	Petrol	Small	ECE 15/02	0.0	0.0
Passenger Cars	Petrol	Small	ECE 15/03	0.0	0.0
Passenger Cars	Petrol	Small	ECE 15/04	0.0	0.0
Passenger Cars	Petrol	Small	Improved Conventional	0.0	0.0
Passenger Cars	Petrol	Small	Open Loop	0.0	0.0
Passenger Cars	Petrol	Small	Euro 1	0.0	0.0
Passenger Cars	Petrol	Small	Euro 2	0.0	0.0
Passenger Cars	Petrol	Small	Euro 3	0.0	0.0
Passenger Cars	Petrol	Small	Euro 4	0.0	0.0
Passenger Cars	Petrol	Small	Euro 5	0.0	0.0
Passenger Cars	Petrol	Small	Euro 6 up to 2016	0.0	0.0
Passenger Cars	Petrol	Small	Euro 6 2017-2019	0.0	0.0
Passenger Cars	Petrol	Small	Euro 6 2020+	0.0	0.0
Passenger Cars	Petrol	Medium	PRE ECE	0.0	0.0
Passenger Cars	Petrol	Medium	ECE 15/00-01	0.0	0.0
Passenger Cars	Petrol	Medium	ECE 15/02	0.0	0.0
Passenger Cars	Petrol	Medium	ECE 15/03	0.0	0.0
Passenger Cars	Petrol	Medium	ECE 15/04	0.0	0.0

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Passenger Cars	Petrol	Medium	Improved Conventional	0.0	0.0
Passenger Cars	Petrol	Medium	Open Loop	0.0	0.0
Passenger Cars	Petrol	Medium	Euro 1	0.0	0.0
Passenger Cars	Petrol	Medium	Euro 2	0.0	0.0
Passenger Cars	Petrol	Medium	Euro 3	0.0	0.0
Passenger Cars	Petrol	Medium	Euro 4	0.0	0.0
Passenger Cars	Petrol	Medium	Euro 5	0.0	0.0
Passenger Cars	Petrol	Medium	Euro 6 up to 2016	0.0	0.0
Passenger Cars	Petrol	Medium	Euro 6 2017-2019	0.0	0.0
Passenger Cars	Petrol	Medium	Euro 6 2020+	0.0	0.0
Passenger Cars	Petrol	Large-SUV-Executive	PRE ECE	0.0	0.0
Passenger Cars	Petrol	Large-SUV-Executive	ECE 15/00-01	0.0	0.0
Passenger Cars	Petrol	Large-SUV-Executive	ECE 15/02	0.0	0.0
Passenger Cars	Petrol	Large-SUV-Executive	ECE 15/03	0.0	0.0
Passenger Cars	Petrol	Large-SUV-Executive	ECE 15/04	0.0	0.0
Passenger Cars	Petrol	Large-SUV-Executive	Euro 1	0.0	0.0
Passenger Cars	Petrol	Large-SUV-Executive	Euro 2	0.0	0.0
Passenger Cars	Petrol	Large-SUV-Executive	Euro 3	0.0	0.0
Passenger Cars	Petrol	Large-SUV-Executive	Euro 4	0.0	0.0
Passenger Cars	Petrol	Large-SUV-Executive	Euro 5	0.0	0.0
Passenger Cars	Petrol	Large-SUV-Executive	Euro 6 up to 2016	0.0	0.0
Passenger Cars	Petrol	Large-SUV-Executive	Euro 6 2017-2019	0.0	0.0
Passenger Cars	Petrol	Large-SUV-Executive	Euro 6 2020+	0.0	0.0
Passenger Cars	Petrol	2-Stroke	Conventional	0.0	0.0
Passenger Cars	Diesel	Mini	Euro 4	0.0	0.0
Passenger Cars	Diesel	Mini	Euro 5	0.0	0.0
Passenger Cars	Diesel	Mini	Euro 6 up to 2016	0.0	0.0

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Passenger Cars	Diesel	Mini	Euro 6 2017-2019	0.0	0.0
Passenger Cars	Diesel	Mini	Euro 6 2020+	0.0	0.0
Passenger Cars	Diesel	Small	Conventional	0.0	0.0
Passenger Cars	Diesel	Small	Euro 1	0.0	0.0
Passenger Cars	Diesel	Small	Euro 2	0.1	0.0
Passenger Cars	Diesel	Small	Euro 3	0.1	0.1
Passenger Cars	Diesel	Small	Euro 4	0.0	0.0
Passenger Cars	Diesel	Small	Euro 5	0.0	0.0
Passenger Cars	Diesel	Small	Euro 6 up to 2016	0.0	0.0
Passenger Cars	Diesel	Small	Euro 6 2017-2019	0.0	0.0
Passenger Cars	Diesel	Small	Euro 6 2020+	0.0	0.0
Passenger Cars	Diesel	Medium	Conventional	0.0	0.0
Passenger Cars	Diesel	Medium	Euro 1	0.0	0.0
Passenger Cars	Diesel	Medium	Euro 2	0.0	0.0
Passenger Cars	Diesel	Medium	Euro 3	0.0	0.0
Passenger Cars	Diesel	Medium	Euro 4	0.0	0.0
Passenger Cars	Diesel	Medium	Euro 5	0.0	0.0
Passenger Cars	Diesel	Medium	Euro 6 up to 2016	0.0	0.0
Passenger Cars	Diesel	Medium	Euro 6 2017-2019	0.0	0.0
Passenger Cars	Diesel	Medium	Euro 6 2020+	0.0	0.0
Passenger Cars	Diesel	Large-SUV-Executive	Conventional	0.0	0.0
Passenger Cars	Diesel	Large-SUV-Executive	Euro 1	0.0	0.0
Passenger Cars	Diesel	Large-SUV-Executive	Euro 2	0.0	0.0
Passenger Cars	Diesel	Large-SUV-Executive	Euro 3	0.0	0.0
Passenger Cars	Diesel	Large-SUV-Executive	Euro 4	0.0	0.0
Passenger Cars	Diesel	Large-SUV-Executive	Euro 5	0.0	0.0
Passenger Cars	Diesel	Large-SUV-Executive	Euro 6 up to 2016	0.0	0.0

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Passenger Cars	Diesel	Large-SUV-Executive	Euro 6 2017-2019	0.0	0.0
Passenger Cars	Diesel	Large-SUV-Executive	Euro 6 2020+	0.0	0.0
Passenger Cars	Petrol Hybrid	Mini	Euro 4	0.0	0.0
Passenger Cars	Petrol Hybrid	Mini	Euro 5	0.0	0.0
Passenger Cars	Petrol Hybrid	Mini	Euro 6 up to 2016	0.0	0.0
Passenger Cars	Petrol Hybrid	Mini	Euro 6 2017-2019	0.0	0.0
Passenger Cars	Petrol Hybrid	Mini	Euro 6 2020+	0.0	0.0
Passenger Cars	Petrol Hybrid	Small	Euro 4	0.0	0.0
Passenger Cars	Petrol Hybrid	Small	Euro 5	0.0	0.0
Passenger Cars	Petrol Hybrid	Small	Euro 6 up to 2016	0.0	0.0
Passenger Cars	Petrol Hybrid	Small	Euro 6 2017-2019	0.0	0.0
Passenger Cars	Petrol Hybrid	Small	Euro 6 2020+	0.0	0.0
Passenger Cars	Petrol Hybrid	Medium	Euro 4	0.0	0.0
Passenger Cars	Petrol Hybrid	Medium	Euro 5	0.0	0.0
Passenger Cars	Petrol Hybrid	Medium	Euro 6 up to 2016	0.0	0.0
Passenger Cars	Petrol Hybrid	Medium	Euro 6 2017-2019	0.0	0.0
Passenger Cars	Petrol Hybrid	Medium	Euro 6 2020+	0.0	0.0
Passenger Cars	Petrol Hybrid	Large-SUV-Executive	Euro 4	0.0	0.0
Passenger Cars	Petrol Hybrid	Large-SUV-Executive	Euro 5	0.0	0.0
Passenger Cars	Petrol Hybrid	Large-SUV-Executive	Euro 6 up to 2016	0.0	0.0
Passenger Cars	Petrol Hybrid	Large-SUV-Executive	Euro 6 2017-2019	0.0	0.0
Passenger Cars	Petrol Hybrid	Large-SUV-Executive	Euro 6 2020+	0.0	0.0
Passenger Cars	LPG Bifuel	Mini	Euro 4	0.0	0.0
Passenger Cars	LPG Bifuel	Mini	Euro 5	0.0	0.0
Passenger Cars	LPG Bifuel	Mini	Euro 6	0.0	0.0
Passenger Cars	LPG Bifuel	Small	Conventional	0.0	0.0
Passenger Cars	LPG Bifuel	Small	Euro 1	0.0	0.0

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Passenger Cars	LPG Bifuel	Small	Euro 2	0.0	0.0
Passenger Cars	LPG Bifuel	Small	Euro 3	0.0	0.0
Passenger Cars	LPG Bifuel	Small	Euro 4	0.0	0.0
Passenger Cars	LPG Bifuel	Small	Euro 5	0.0	0.0
Passenger Cars	LPG Bifuel	Small	Euro 6	0.0	0.0
Passenger Cars	LPG Bifuel	Medium	Conventional	0.0	0.0
Passenger Cars	LPG Bifuel	Medium	Euro 1	0.0	0.0
Passenger Cars	LPG Bifuel	Medium	Euro 2	0.0	0.0
Passenger Cars	LPG Bifuel	Medium	Euro 3	0.0	0.0
Passenger Cars	LPG Bifuel	Medium	Euro 4	0.0	0.0
Passenger Cars	LPG Bifuel	Medium	Euro 5	0.0	0.0
Passenger Cars	LPG Bifuel	Medium	Euro 6	0.0	0.0
Passenger Cars	LPG Bifuel	Large-SUV-Executive	Conventional	0.0	0.0
Passenger Cars	LPG Bifuel	Large-SUV-Executive	Euro 1	0.0	0.0
Passenger Cars	LPG Bifuel	Large-SUV-Executive	Euro 2	0.0	0.0
Passenger Cars	LPG Bifuel	Large-SUV-Executive	Euro 3	0.0	0.0
Passenger Cars	LPG Bifuel	Large-SUV-Executive	Euro 4	0.0	0.0
Passenger Cars	LPG Bifuel	Large-SUV-Executive	Euro 5	0.0	0.0
Passenger Cars	LPG Bifuel	Large-SUV-Executive	Euro 6	0.0	0.0
Passenger Cars	CNG Bifuel	Mini	Euro 4	0.0	0.0
Passenger Cars	CNG Bifuel	Mini	Euro 5	0.0	0.0
Passenger Cars	CNG Bifuel	Mini	Euro 6	0.0	0.0
Passenger Cars	CNG Bifuel	Small	Euro 4	0.0	0.0
Passenger Cars	CNG Bifuel	Small	Euro 5	0.0	0.0
Passenger Cars	CNG Bifuel	Small	Euro 6	0.0	0.0
Passenger Cars	CNG Bifuel	Medium	Euro 4	0.0	0.0
Passenger Cars	CNG Bifuel	Medium	Euro 5	0.0	0.0

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Passenger Cars	CNG Bifuel	Medium	Euro 6	0.0	0.0
Passenger Cars	CNG Bifuel	Large-SUV-Executive	Euro 4	0.0	0.0
Passenger Cars	CNG Bifuel	Large-SUV-Executive	Euro 5	0.0	0.0
Passenger Cars	CNG Bifuel	Large-SUV-Executive	Euro 6	0.0	0.0
Light Commercial Vehicles	Petrol	N1-I	Conventional	0.0	0.0
Light Commercial Vehicles	Petrol	N1-I	Euro 1	0.0	0.0
Light Commercial Vehicles	Petrol	N1-I	Euro 2	0.0	0.0
Light Commercial Vehicles	Petrol	N1-I	Euro 3	0.0	0.0
Light Commercial Vehicles	Petrol	N1-I	Euro 4	0.0	0.0
Light Commercial Vehicles	Petrol	N1-I	Euro 5	0.0	0.0
Light Commercial Vehicles	Petrol	N1-I	Euro 6 up to 2016	0.0	0.0
Light Commercial Vehicles	Petrol	N1-I	Euro 6 2017-2019	0.0	0.0
Light Commercial Vehicles	Petrol	N1-I	Euro 6 2020+	0.0	0.0
Light Commercial Vehicles	Petrol	N1-II	Conventional	0.0	0.0
Light Commercial Vehicles	Petrol	N1-II	Euro 1	0.0	0.0
Light Commercial Vehicles	Petrol	N1-II	Euro 2	0.0	0.0
Light Commercial Vehicles	Petrol	N1-II	Euro 3	0.0	0.0
Light Commercial Vehicles	Petrol	N1-II	Euro 4	0.0	0.0
Light Commercial Vehicles	Petrol	N1-II	Euro 5	0.0	0.0

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Light Commercial Vehicles	Petrol	N1-II	Euro 6 up to 2017	0.0	0.0
Light Commercial Vehicles	Petrol	N1-II	Euro 6 2018-2020	0.0	0.0
Light Commercial Vehicles	Petrol	N1-II	Euro 6 2021+	0.0	0.0
Light Commercial Vehicles	Petrol	N1-III	Conventional	0.0	0.0
Light Commercial Vehicles	Petrol	N1-III	Euro 1	0.0	0.0
Light Commercial Vehicles	Petrol	N1-III	Euro 2	0.0	0.0
Light Commercial Vehicles	Petrol	N1-III	Euro 3	0.0	0.0
Light Commercial Vehicles	Petrol	N1-III	Euro 4	0.0	0.0
Light Commercial Vehicles	Petrol	N1-III	Euro 5	0.0	0.0
Light Commercial Vehicles	Petrol	N1-III	Euro 6 up to 2017	0.0	0.0
Light Commercial Vehicles	Petrol	N1-III	Euro 6 2018-2020	0.0	0.0
Light Commercial Vehicles	Petrol	N1-III	Euro 6 2021+	0.0	0.0
Light Commercial Vehicles	Diesel	N1-I	Conventional	0.0	0.0
Light Commercial Vehicles	Diesel	N1-I	Euro 1	0.0	0.0
Light Commercial Vehicles	Diesel	N1-I	Euro 2	0.0	0.0
Light Commercial Vehicles	Diesel	N1-I	Euro 3	0.0	0.0
Light Commercial Vehicles	Diesel	N1-I	Euro 4	0.0	0.0
Light Commercial Vehicles	Diesel	N1-I	Euro 5	0.0	0.0

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Light Commercial Vehicles	Diesel	N1-I	Euro 6 up to 2016	0.0	0.0
Light Commercial Vehicles	Diesel	N1-I	Euro 6 2017-2019	0.0	0.0
Light Commercial Vehicles	Diesel	N1-I	Euro 6 2020+	0.0	0.0
Light Commercial Vehicles	Diesel	N1-II	Conventional	0.0	0.0
Light Commercial Vehicles	Diesel	N1-II	Euro 1	0.0	0.0
Light Commercial Vehicles	Diesel	N1-II	Euro 2	0.0	0.0
Light Commercial Vehicles	Diesel	N1-II	Euro 3	0.0	0.0
Light Commercial Vehicles	Diesel	N1-II	Euro 4	0.0	0.0
Light Commercial Vehicles	Diesel	N1-II	Euro 5	0.0	0.0
Light Commercial Vehicles	Diesel	N1-II	Euro 6 up to 2017	0.0	0.0
Light Commercial Vehicles	Diesel	N1-II	Euro 6 2018-2020	0.0	0.0
Light Commercial Vehicles	Diesel	N1-II	Euro 6 2021+	0.0	0.0
Light Commercial Vehicles	Diesel	N1-III	Conventional	0.0	0.0
Light Commercial Vehicles	Diesel	N1-III	Euro 1	0.0	0.0
Light Commercial Vehicles	Diesel	N1-III	Euro 2	0.0	0.0
Light Commercial Vehicles	Diesel	N1-III	Euro 3	0.0	0.0
Light Commercial Vehicles	Diesel	N1-III	Euro 4	0.0	0.0
Light Commercial Vehicles	Diesel	N1-III	Euro 5	0.0	0.0

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Light Commercial Vehicles	Diesel	N1-III	Euro 6 up to 2017	0.0	0.0
Light Commercial Vehicles	Diesel	N1-III	Euro 6 2018-2020	0.0	0.0
Light Commercial Vehicles	Diesel	N1-III	Euro 6 2021+	0.0	0.0
Heavy Duty Trucks	Petrol	>3,5 t	Conventional	0.0	0.0
Heavy Duty Trucks	Diesel	Rigid <=7,5 t	Conventional	0.0	0.0
Heavy Duty Trucks	Diesel	Rigid <=7,5 t	Euro I	0.0	0.0
Heavy Duty Trucks	Diesel	Rigid <=7,5 t	Euro II	0.0	0.0
Heavy Duty Trucks	Diesel	Rigid <=7,5 t	Euro III	0.0	0.0
Heavy Duty Trucks	Diesel	Rigid <=7,5 t	Euro IV	0.0	0.0
Heavy Duty Trucks	Diesel	Rigid <=7,5 t	Euro V	0.0	0.0
Heavy Duty Trucks	Diesel	Rigid <=7,5 t	Euro VI	0.0	0.0
Heavy Duty Trucks	Diesel	Rigid 7,5 - 12 t	Conventional	0.0	0.0
Heavy Duty Trucks	Diesel	Rigid 7,5 - 12 t	Euro I	0.0	0.0
Heavy Duty Trucks	Diesel	Rigid 7,5 - 12 t	Euro II	0.0	0.0
Heavy Duty Trucks	Diesel	Rigid 7,5 - 12 t	Euro III	0.0	0.0
Heavy Duty Trucks	Diesel	Rigid 7,5 - 12 t	Euro IV	0.0	0.0
Heavy Duty Trucks	Diesel	Rigid 7,5 - 12 t	Euro V	0.0	0.0
Heavy Duty Trucks	Diesel	Rigid 7,5 - 12 t	Euro VI	0.0	0.0
Heavy Duty Trucks	Diesel	Rigid 12 - 14 t	Conventional	0.0	0.0
Heavy Duty Trucks	Diesel	Rigid 12 - 14 t	Euro I	0.0	0.0
Heavy Duty Trucks	Diesel	Rigid 12 - 14 t	Euro II	0.0	0.0
Heavy Duty Trucks	Diesel	Rigid 12 - 14 t	Euro III	0.0	0.0
Heavy Duty Trucks	Diesel	Rigid 12 - 14 t	Euro IV	0.0	0.0
Heavy Duty Trucks	Diesel	Rigid 12 - 14 t	Euro V	0.0	0.0
Heavy Duty Trucks	Diesel	Rigid 12 - 14 t	Euro VI	0.0	0.0

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Conventional	0.0	0.0
Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Euro I	0.0	0.0
Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Euro II	0.0	0.0
Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Euro III	0.0	0.0
Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Euro IV	0.0	0.0
Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Euro V	0.0	0.0
Heavy Duty Trucks	Diesel	Rigid 14 - 20 t	Euro VI	0.0	0.0
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Conventional	0.0	0.0
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Euro I	0.0	0.0
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Euro II	0.0	0.0
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Euro III	0.0	0.0
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Euro IV	0.0	0.0
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Euro V	0.0	0.0
Heavy Duty Trucks	Diesel	Rigid 20 - 26 t	Euro VI	0.0	0.0
Heavy Duty Trucks	Diesel	Rigid 26 - 28 t	Conventional	0.0	0.0
Heavy Duty Trucks	Diesel	Rigid 26 - 28 t	Euro I	0.0	0.0
Heavy Duty Trucks	Diesel	Rigid 26 - 28 t	Euro II	0.0	0.0
Heavy Duty Trucks	Diesel	Rigid 26 - 28 t	Euro III	0.0	0.0
Heavy Duty Trucks	Diesel	Rigid 26 - 28 t	Euro IV	0.0	0.0
Heavy Duty Trucks	Diesel	Rigid 26 - 28 t	Euro V	0.0	0.0
Heavy Duty Trucks	Diesel	Rigid 26 - 28 t	Euro VI	0.0	0.0
Heavy Duty Trucks	Diesel	Rigid 28 - 32 t	Conventional	0.0	0.0
Heavy Duty Trucks	Diesel	Rigid 28 - 32 t	Euro I	0.0	0.0
Heavy Duty Trucks	Diesel	Rigid 28 - 32 t	Euro II	0.0	0.0
Heavy Duty Trucks	Diesel	Rigid 28 - 32 t	Euro III	0.0	0.0
Heavy Duty Trucks	Diesel	Rigid 28 - 32 t	Euro IV	0.0	0.0
Heavy Duty Trucks	Diesel	Rigid 28 - 32 t	Euro V	0.0	0.0

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Heavy Duty Trucks	Diesel	Rigid 28 - 32 t	Euro VI	0.0	0.0
Heavy Duty Trucks	Diesel	Rigid >32 t	Conventional	0.0	0.0
Heavy Duty Trucks	Diesel	Rigid >32 t	Euro I	0.0	0.0
Heavy Duty Trucks	Diesel	Rigid >32 t	Euro II	0.0	0.0
Heavy Duty Trucks	Diesel	Rigid >32 t	Euro III	0.0	0.0
Heavy Duty Trucks	Diesel	Rigid >32 t	Euro IV	0.0	0.0
Heavy Duty Trucks	Diesel	Rigid >32 t	Euro V	0.0	0.0
Heavy Duty Trucks	Diesel	Rigid >32 t	Euro VI	0.0	0.0
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Conventional	0.0	0.0
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro I	0.0	0.0
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro II	0.0	0.0
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro III	0.0	0.0
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro IV	0.0	0.0
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro V	0.0	0.0
Heavy Duty Trucks	Diesel	Articulated 14 - 20 t	Euro VI	0.0	0.0
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t	Conventional	0.0	0.0
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t	Euro I	0.0	0.0
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t	Euro II	0.0	0.0
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t	Euro III	0.0	0.0
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t	Euro IV	0.0	0.0
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t	Euro V	0.0	0.0
Heavy Duty Trucks	Diesel	Articulated 20 - 28 t	Euro VI	0.0	0.0
Heavy Duty Trucks	Diesel	Articulated 28 - 34 t	Conventional	0.0	0.0
Heavy Duty Trucks	Diesel	Articulated 28 - 34 t	Euro I	0.0	0.0
Heavy Duty Trucks	Diesel	Articulated 28 - 34 t	Euro II	0.0	0.0
Heavy Duty Trucks	Diesel	Articulated 28 - 34 t	Euro III	0.0	0.0
Heavy Duty Trucks	Diesel	Articulated 28 - 34 t	Euro IV	0.0	0.0

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Heavy Duty Trucks	Diesel	Articulated 28 - 34 t	Euro V	0.0	0.0
Heavy Duty Trucks	Diesel	Articulated 28 - 34 t	Euro VI	0.0	0.0
Heavy Duty Trucks	Diesel	Articulated 34 - 40 t	Conventional	0.0	0.0
Heavy Duty Trucks	Diesel	Articulated 34 - 40 t	Euro I	0.0	0.0
Heavy Duty Trucks	Diesel	Articulated 34 - 40 t	Euro II	0.0	0.0
Heavy Duty Trucks	Diesel	Articulated 34 - 40 t	Euro III	0.0	0.0
Heavy Duty Trucks	Diesel	Articulated 34 - 40 t	Euro IV	0.0	0.0
Heavy Duty Trucks	Diesel	Articulated 34 - 40 t	Euro V	0.0	0.0
Heavy Duty Trucks	Diesel	Articulated 34 - 40 t	Euro VI	0.0	0.0
Heavy Duty Trucks	Diesel	Articulated 40 - 50 t	Conventional	0.0	0.0
Heavy Duty Trucks	Diesel	Articulated 40 - 50 t	Euro I	0.0	0.0
Heavy Duty Trucks	Diesel	Articulated 40 - 50 t	Euro II	0.0	0.0
Heavy Duty Trucks	Diesel	Articulated 40 - 50 t	Euro III	0.0	0.0
Heavy Duty Trucks	Diesel	Articulated 40 - 50 t	Euro IV	0.0	0.0
Heavy Duty Trucks	Diesel	Articulated 40 - 50 t	Euro V	0.0	0.0
Heavy Duty Trucks	Diesel	Articulated 40 - 50 t	Euro VI	0.0	0.0
Heavy Duty Trucks	Diesel	Articulated 50 - 60 t	Conventional	0.0	0.0
Heavy Duty Trucks	Diesel	Articulated 50 - 60 t	Euro I	0.0	0.0
Heavy Duty Trucks	Diesel	Articulated 50 - 60 t	Euro II	0.0	0.0
Heavy Duty Trucks	Diesel	Articulated 50 - 60 t	Euro III	0.0	0.0
Heavy Duty Trucks	Diesel	Articulated 50 - 60 t	Euro IV	0.0	0.0
Heavy Duty Trucks	Diesel	Articulated 50 - 60 t	Euro V	0.0	0.0
Heavy Duty Trucks	Diesel	Articulated 50 - 60 t	Euro VI	0.0	0.0
Buses	Diesel	Urban Buses Midi <=15 t	Conventional	0.0	0.0
Buses	Diesel	Urban Buses Midi <=15 t	Euro I	0.0	0.0
Buses	Diesel	Urban Buses Midi <=15 t	Euro II	0.0	0.0
Buses	Diesel	Urban Buses Midi <=15 t	Euro III	0.0	0.0

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Buses	Diesel	Urban Buses Midi <=15 t	Euro IV	0.0	0.0
Buses	Diesel	Urban Buses Midi <=15 t	Euro V	0.0	0.0
Buses	Diesel	Urban Buses Midi <=15 t	Euro VI	0.0	0.0
Buses	Diesel	Urban Buses Standard 15 - 18 t	Conventional	0.0	0.0
Buses	Diesel	Urban Buses Standard 15 - 18 t	Euro I	0.0	0.0
Buses	Diesel	Urban Buses Standard 15 - 18 t	Euro II	0.0	0.0
Buses	Diesel	Urban Buses Standard 15 - 18 t	Euro III	0.0	0.0
Buses	Diesel	Urban Buses Standard 15 - 18 t	Euro IV	0.0	0.0
Buses	Diesel	Urban Buses Standard 15 - 18 t	Euro V	0.0	0.0
Buses	Diesel	Urban Buses Standard 15 - 18 t	Euro VI	0.0	0.0
Buses	Diesel	Urban Buses Articulated >18 t	Conventional	0.0	0.0
Buses	Diesel	Urban Buses Articulated >18 t	Euro I	0.0	0.0
Buses	Diesel	Urban Buses Articulated >18 t	Euro II	0.0	0.0
Buses	Diesel	Urban Buses Articulated >18 t	Euro III	0.0	0.0
Buses	Diesel	Urban Buses Articulated >18 t	Euro IV	0.0	0.0
Buses	Diesel	Urban Buses Articulated >18 t	Euro V	0.0	0.0
Buses	Diesel	Urban Buses Articulated >18 t	Euro VI	0.0	0.0
Buses	Diesel	Coaches Standard <=18 t	Conventional	0.0	0.0
Buses	Diesel	Coaches Standard <=18 t	Euro I	0.0	0.0

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Buses	Diesel	Coaches Standard <=18 t	Euro II	0.0	0.0
Buses	Diesel	Coaches Standard <=18 t	Euro III	0.0	0.0
Buses	Diesel	Coaches Standard <=18 t	Euro IV	0.0	0.0
Buses	Diesel	Coaches Standard <=18 t	Euro V	0.0	0.0
Buses	Diesel	Coaches Standard <=18 t	Euro VI	0.0	0.0
Buses	Diesel	Coaches Articulated >18 t	Conventional	0.0	0.0
Buses	Diesel	Coaches Articulated >18 t	Euro I	0.0	0.0
Buses	Diesel	Coaches Articulated >18 t	Euro II	0.0	0.0
Buses	Diesel	Coaches Articulated >18 t	Euro III	0.0	0.0
Buses	Diesel	Coaches Articulated >18 t	Euro IV	0.0	0.0
Buses	Diesel	Coaches Articulated >18 t	Euro V	0.0	0.0
Buses	Diesel	Coaches Articulated >18 t	Euro VI	0.0	0.0
Buses	CNG	Urban CNG Buses	Euro I	0.0	0.0
Buses	CNG	Urban CNG Buses	Euro II	0.0	0.0
Buses	CNG	Urban CNG Buses	Euro III	0.0	0.0
Buses	CNG	Urban CNG Buses	EEV	0.0	0.0
Buses	Biodiesel	Urban Biodiesel Buses	Conventional	0.0	0.0
Buses	Biodiesel	Urban Biodiesel Buses	Euro I	0.0	0.0
Buses	Biodiesel	Urban Biodiesel Buses	Euro II	0.0	0.0

NATIONAL ROAD TRANSPORT EMISSION INVENTORY

Buses	Biodiesel	Urban Biodiesel Buses	Euro III	0.0	0.0
Buses	Biodiesel	Urban Biodiesel Buses	Euro IV	0.0	0.0
Buses	Biodiesel	Urban Biodiesel Buses	Euro V	0.0	0.0
Buses	Biodiesel	Urban Biodiesel Buses	Euro VI	0.0	0.0
L-Category	Petrol	Mopeds 2-stroke <50 cm ³	Conventional	0.0	0.0
L-Category	Petrol	Mopeds 2-stroke <50 cm ³	Euro 1	0.0	0.0
L-Category	Petrol	Mopeds 2-stroke <50 cm ³	Euro 2	0.0	0.0
L-Category	Petrol	Mopeds 2-stroke <50 cm ³	Euro 3	0.0	0.0
L-Category	Petrol	Mopeds 2-stroke <50 cm ³	Euro 4	0.0	0.0
L-Category	Petrol	Mopeds 2-stroke <50 cm ³	Euro 5	0.0	0.0
L-Category	Petrol	Mopeds 4-stroke <50 cm ³	Conventional	0.0	0.0
L-Category	Petrol	Mopeds 4-stroke <50 cm ³	Euro 1	0.0	0.0
L-Category	Petrol	Mopeds 4-stroke <50 cm ³	Euro 2	0.0	0.0
L-Category	Petrol	Mopeds 4-stroke <50 cm ³	Euro 3	0.0	0.0
L-Category	Petrol	Mopeds 4-stroke <50 cm ³	Euro 4	0.0	0.0
L-Category	Petrol	Mopeds 4-stroke <50 cm ³	Euro 5	0.0	0.0
L-Category	Petrol	Motorcycles 2-stroke >50 cm ³	Conventional	0.0	0.0
L-Category	Petrol	Motorcycles 2-stroke >50 cm ³	Euro 1	0.0	0.0
L-Category	Petrol	Motorcycles 2-stroke >50 cm ³	Euro 2	0.0	0.0
L-Category	Petrol	Motorcycles 2-stroke >50 cm ³	Euro 3	0.0	0.0
L-Category	Petrol	Motorcycles 2-stroke >50 cm ³	Euro 4	0.0	0.0
L-Category	Petrol	Motorcycles 2-stroke >50 cm ³	Euro 5	0.0	0.0
L-Category	Petrol	Motorcycles 4-stroke <250 cm ³	Conventional	0.0	0.0
L-Category	Petrol	Motorcycles 4-stroke <250 cm ³	Euro 1	0.0	0.0

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L-Category	Petrol	Motorcycles 4-stroke <250 cm ³	Euro 2	0.0	0.0
L-Category	Petrol	Motorcycles 4-stroke <250 cm ³	Euro 3	0.0	0.0
L-Category	Petrol	Motorcycles 4-stroke <250 cm ³	Euro 4	0.0	0.0
L-Category	Petrol	Motorcycles 4-stroke <250 cm ³	Euro 5	0.0	0.0
L-Category	Petrol	Motorcycles 4-stroke 250 - 750 cm ³	Conventional	0.0	0.0
L-Category	Petrol	Motorcycles 4-stroke 250 - 750 cm ³	Euro 1	0.0	0.0
L-Category	Petrol	Motorcycles 4-stroke 250 - 750 cm ³	Euro 2	0.0	0.0
L-Category	Petrol	Motorcycles 4-stroke 250 - 750 cm ³	Euro 3	0.0	0.0
L-Category	Petrol	Motorcycles 4-stroke 250 - 750 cm ³	Euro 4	0.0	0.0
L-Category	Petrol	Motorcycles 4-stroke 250 - 750 cm ³	Euro 5	0.0	0.0
L-Category	Petrol	Motorcycles 4-stroke >750 cm ³	Conventional	0.0	0.0
L-Category	Petrol	Motorcycles 4-stroke >750 cm ³	Euro 1	0.0	0.0
L-Category	Petrol	Motorcycles 4-stroke >750 cm ³	Euro 2	0.0	0.0
L-Category	Petrol	Motorcycles 4-stroke >750 cm ³	Euro 3	0.0	0.0
L-Category	Petrol	Motorcycles 4-stroke >750 cm ³	Euro 4	0.0	0.0
L-Category	Petrol	Motorcycles 4-stroke >750 cm ³	Euro 5	0.0	0.0
L-Category	Petrol	Quad & ATVs	Euro 1	0.0	0.0
L-Category	Petrol	Quad & ATVs	Euro 2	0.0	0.0
L-Category	Petrol	Quad & ATVs	Euro 3	0.0	0.0
L-Category	Petrol	Quad & ATVs	Euro 4	0.0	0.0
L-Category	Petrol	Quad & ATVs	Euro 5	0.0	0.0

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L-Category	Diesel	Micro-car	Euro 1	0.0	0.0
L-Category	Diesel	Micro-car	Euro 2	0.0	0.0
L-Category	Diesel	Micro-car	Euro 3	0.0	0.0
L-Category	Diesel	Micro-car	Euro 4	0.0	0.0
L-Category	Diesel	Micro-car	Euro 5	0.0	0.0
				0.5	0.5