



[EU SDG 13_31] Average CO2 emissions per km from new passenger cars

The Regulation (EU) No 2019/631 requires Countries to record information for each new passenger car registered in its territory.

Simple

Identification info

Date (Publication)	2025-01-21
Citation identifier	eea_eu-sdg-co2-emissions-passenger-cars_s
Topic category	<ul style="list-style-type: none">• Environment• Transportation

Extent

Temporal extent

Time period	2000-01-01 2022-12-31
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Temporal extent

Time period	2000-01-01 2023-12-31
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Available breakdowns	<ul style="list-style-type: none">• Country
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Continents, countries, sea regions of the world.	<ul style="list-style-type: none">• Iceland• Norway• EU27 (from 2020)
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EEA Management Plan	<ul style="list-style-type: none">• 2023 2.1.5• 2024 2.1.5
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EEA topics	<ul style="list-style-type: none">• Transport and mobility• Road transport• Sustainability• Climate mitigation
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GEMET	<ul style="list-style-type: none">• statistical data• emission• passenger transport• road transport• carbon dioxide
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Reference period	<ul style="list-style-type: none">• Calendar year
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Reporting obligations	<ul style="list-style-type: none">• CO2 emissions from new passenger cars
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Unit of measure	<ul style="list-style-type: none">• g CO2 per km
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Associated resource

Association Type	Is composed of
Metadata Reference	<ul style="list-style-type: none">• Average CO2 emissions per km from new passenger cars_superseded (2000-2022p)

Associated resource

Association Type	Is composed of
Metadata Reference	<ul style="list-style-type: none">• Average CO2 emissions per km from new passenger cars (2000-2022provisional)

Associated resource

Association Type	Is composed of
Metadata Reference	<ul style="list-style-type: none">• Average CO2 emissions per km from new passenger cars_ Superseded (2000-2022)

Associated resource

Association Type	Is composed of
Metadata Reference	<ul style="list-style-type: none">• Average CO2 emissions per km from new passenger cars (2000-2022)

Associated resource

Association Type	Is composed of
Metadata Reference	<ul style="list-style-type: none">• Average CO2 emissions per km from new passenger cars_superseded (2000-2023provisional)

Associated resource

Association Type	Is composed of
Metadata Reference	<ul style="list-style-type: none">• Average CO2 emissions per km from new passenger cars (2000-2023provisional)

Associated resource

Association Type	Is composed of
Metadata Reference	<ul style="list-style-type: none">• Average CO2 emissions per km from new passenger cars (2000-2023)
Language	English
Character encoding	UTF8

Metadata

Metadata identifier	5d252092-d328-40d8-bca2-c0734bd6143b
Language	English
Character encoding	UTF8

Type of resource

Resource type	Series
Metadata linkage	https://sdieea.europa.eu/geonetwork/srv/api/records/5d252092-d328-40d8-bca2-c0734bd6143b
Date info (Creation)	2023-08-09T11:58:42.058Z
Date info (Revision)	2025-10-09T10:52:49.479432Z

Metadata standard

Title	ISO 19115-3:2018
Edition	1.0

Overviews

Dataset for indicator Average CO2 emissions per km from new passenger cars (12_30)
 Conditions Data for the period 2000-2009 are not collected by EEA (Source DG CLIMA)
 Unit g CO2 per km
 Coverage EU27
 Legend
 AGG= Aggregate
 MS= Member State
 EFTA= EFTA country
 CC= Candidate Country

Type	GEO (Labels)	GEO (Codes)	TIME																										
			2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022(p)				
AGG	European Union [aggregate changing according to the context]	EU_V	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:				
AGG	European Union - 27 countries	EU27_2020	:	:	:	:	:	:	:	157.5	152.8	145.0	139.6	135.3	132.0	126.4	123.1	119.1	117.6	143.0	145.6	148.0	130.8	115.7	110.0				
MS	Belgium	BE	166.5	163.7	161.1	158.1	156.5	155.2	153.9	152.8	147.8	142.1	134.4	127.2	128.0	124.0	121.3	117.9	115.9	140.5	144.7	147.3	130.6	117.0	104.6				
MS	Bulgaria	BG	:	:	:	:	:	:	171.6	171.5	172.1	158.9	151.4	149.2	141.7	135.9	130.3	128.8	133.6	157.8	147.1	139.5	134.7						
MS	Czechia	CZ	:	:	:	:	154.0	155.3	154.7	153.8	153.8	153.8	153.8	153.8	153.8	153.8	153.8	153.8	153.8	153.8	153.8	153.8	153.8	153.8	153.8	153.8			
MS	Denmark	DK	175.7	173.9	170.0	169.0	165.9	163.7	162.5	159.8	146.4	139.1	126.7	125.0	137.0	112.7	110.7	106.0	129.8	132.8	116.4	93.3	86.3						
MS	Germany	DE	182.2	179.5	177.4	170.9	174.9	173.4	172.5	169.5	164.8	154.0	151.1	145.6	141.6	138.1	132.5	128.9	128.9	154.2	157.0	159.0	136.0	113.5	106.0				
MS	Estonia	EE	:	:	:	:	179.0	183.7	182.7	181.6	177.4	170.3	162.0	156.9	150.3	147.0	140.9	137.2	133.9	161.0	160.5	157.7	147.6	142.6	141.5				
MS	Ireland	IE	161.3	166.6	164.3	166.7	167.6	166.8	166.3	161.6	156.8	144.4	133.2	128.3	125.1	128.7	117.1	114.1	112.0	135.3	137.3	137.9	130.0	112.6	109.7				
MS	Greece	EL	180.3	166.5	167.8	168.9	168.8	167.4	166.5	165.3	160.8	157.4	143.7	132.7	121.1	111.9	108.2	106.4	106.3	131.9	135.0	140.1	130.5	119.8	118.0				
MS	Spain	ES	159.2	156.8	156.4	157.0	155.3	155.3	153.2	148.2	142.2	137.9	133.4	128.7	122.4	118.6	115.3	114.4	139.4	143.1	147.0	135.5	126.0	121.6					
MS	France	FR	163.6	159.8	158.6	155.0	153.1	152.3	149.9	149.4	140.1	133.5	130.5	127.7	124.4	117.4	114.2	111.0	109.8	133.8	136.0	137.9	121.1	108.6	103.1				
MS	Croatia	HR	:	:	:	:	:	:	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0
MS	Italy	IT	155.1	158.3	156.6	152.9	150.0	149.5	149.2	146.5	144.7	138.3	132.7	129.6	136.2	130.1	118.1	115.5	133.3	137.0	140.5	147.7	152.4	120.4	110.3				
MS	Cyprus	CY	:	:	:	:	173.4	170.0	170.1	170.3	165.6	160.7	158.6	149.9	144.3	139.2	128.8	126.7	123.5	148.1	149.6	153.6	151.9	145.9	136.9				
MS	Latvia	LV	:	:	:	:	192.4	187.2	183.1	183.5	180.6	176.9	162.0	154.4	152.0	147.1	140.4	137.1	128.9	156.1	155.0	146.8	142.6	134.5					
MS	Lithuania	LT	:	:	:	:	187.5	186.3	186.4	176.5	170.1	166.0	159.9	144.4	144.2	138.8	135.8	130.0	126.2	154.4	155.9	160.0	146.2	135.7	135.9				
MS	Luxembourg	LU	176.7	177.0	173.8	173.5	169.7	168.6	168.2	165.8	159.5	152.5	146.0	142.2	137.0	133.4	129.9	127.5	126.1	153.9	161.2	143.9	128.8	115.8					
MS	Hungary	HU	:	:	:	:	158.5	156.3	154.6	155.0	153.4	153.4	147.4	141.4	140.8	134.4	133.0	129.6	125.9	152.2	155.0	157.2	141.4	131.1	131.6				
MS	Malta	MT	:	:	:	:	168.8	150.5	145.9	147.8	146.9	135.7	131.2	124.7	121.5	118.7	115.3	113.3	111.8	134.5	130.5	132.2	128.1	107.5	93.3				
MS	Netherlands	NL	174.2	174.0	172.4	173.5	170.9	169.9	166.1	164.8	157.4	146.9	135.7	126.3	118.6	109.1	107.1	105.9	131.1	127.7	119.3	104.4	95.1	86.8					
MS	Austria	AT	168.0	165.6	164.4	163.8	163.9	160.3	157.7	156.1	156.0	154.0	146.0	142.7	140.1	136.5	132.7	130.5	146.5	147.1	151.1	151.1	141.1	131.1					
MS	Poland	PL	:	:	:	:	154.1	155.2	153.9	153.7	153.1	151.6	146.2	144.5	141.3	138.1	132.9	129.3	128.8	154.7	157.3	158.0	146.0	137.6	136.8				
MS	Portugal	PT	169.2	:	154.0	149.5	147.1	144.9	145.0	144.2	138.2	133.8	127.2	122.8	117.6	108.8	105.7	104.7	126.9	126.6	132.6	118.0	107.1	103.1					
MS	Romania	RO	:	:	:	:	:	:	154.8	156.0	157.0	148.5	140.7	139.0	132.1	128.2	122.0	146.2	147.3	150.7	158.5	126.6	119.7						
MS	Slovenia	SI	:	:	:	152.7	157.2	155.3	156.3	155.9	152.0	144.4	139.7	133.4	125.6	121.3	119.2	119.0	145.0	146.5	150.0	138.6	133.7	129.4					
MS	Slovakia	SK	:	:	:	157.4	152.0	152.7	150.4	146.6	149.0	144.9	141.0	135.1	131.7	127.6	124.8	152.8	154.7	158.0	144.6	138.0	138.5						
MS	Finland	FI	181.1	176.1	177.2	178.3	179.8	179.5	179.2	177.3	162.9	157.0	149.0	144.0	139.1	131.8	127.4	123.0	120.0	143.3	141.4	139.7	120.0	98.3	85.3				
MS	Sweden	SE	200.0	200.2	198.2	198.5	197.2	193.8	188.6	181.4	179.9	164.5	151.3	141.8	135.9	133.2	131.0	126.3	123.1	148.2	148.1	145.1	111.7	88.3	66.6				
EFTA	Iceland	IS	:	:	:	:	:	:	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	
EFTA	Liechtenstein	LI	:	:	:	:	:	:	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	
EFTA	Norway	NO	:	:	:	:	:	:	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	
EFTA	Switzerland	CH	:	:	:	:	:	:	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	
CC	Bosnia and Herzegovina	BA	:	:	:	:	:	:	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	
CC	Montenegro	ME	:	:	:	:	:	:	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	
CC	North Macedonia	MK	:	:	:	:	:	:	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	
CC	Albania	AL	:	:	:	:	:	:	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	
CC	Serbia	RS	:	:	:	:	:	:	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	
CC	Turkey	TR	:	:	:	:	:	:	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	
CC (potential)	Kosovo (under United Nations KK)		:	:	:	:	:	:	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	

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