

Germany



	Population size (2020)	Urban population share (2020)	S GDP per capita (2019)
Total	83.8 million	76.3%	47 408.9
Growth (2010 to 2020)	3.7%	2.7%	16.6%

Transport is the second largest CO₂-emitting sector in **Germany** and no emission reductions have been recorded thus far. The large majority of transport activity is conducted through road transport, for both passengers and goods.

Supported by the European Union's climate action plan and important policy frameworks, Germany intends to drastically reduce transport CO₂ emissions by 2050. However, the country currently has only implemented a limited number of measures to initiate a transformational change of the transport system. National strategies for urban mobility, walking, cycling, and railways aim to improve the efficiency of transport.

Income group: High-income
Human Development Index: 0.95

Mobility Demand Trends Passenger travel activity Freight transport activity Fuel consumption (2018) 1 187 640 695 434 56 140 million ton-km in 2019 million passenger-km in 2019 thousand tonnes of oil equivalent +6% (2010 to 2019) +14.5% (2010 to 2019) +6% (2010 to 2018) Average light duty fuel economy consumption (2017) Aviation Aviation 5.9 Lge/100 km (WLTP) Bus Pipelines Ш Oil products Railways Modal share Modal share Road Natural gas for passenger for freight Private cars Inland water travel transport Biofuels Railwavs Electricity Car ownership growth (2005 to 2015) Vehicle sales (2019) Diesel Super gasoline US cents per litre 592.7 vehicles per 1,000 people (2018)(2018)**Passenger** 3607258 +6.9% Commercial 156 168 409801 6%

Transport Emission Trends Transport CO₂ emissions (2019) 152.6 million tonnes Per capita transport CO₂ emissions (2019) 1.8 tonnes Per capita transport CO₂ emissions (2019) 1.8 tonnes Per capita transport CO₂ emissions (2019) 1.8 tonnes Second-largest CO₂ producing sector in the country 41% Transports share in black carbon emissions (2015) Global average Income group average Regional average



Transport measures in NDC

Mitigation

Vehicle efficiency standards

Not available

Policy Areas: Indicators and Targets

Sustainable Mobility Planning & Transport Demand Management National Urban Mobility Framework (2020) Sustainable Urban Mobility Plans Low Emission Zones (2020) 82 cities

₩ Walking and Cycling	
National walking strategies (2020)	✓
Ø Targets	Increase of foot traffic and more shorter ways
National cycling strategies (2020)	✓
	To make cycling more attractive and safer
Cycling infrastructure in capital (2020)	620 km of separated bikelanes

Urban Passenger and Freight Transport	
Bus rapid transit (2020)	31 km in 2 cities
Urban rail (LRT, metro, tram) (2020)	Over 2200 km in 57 cities
Bus rapid transit daily passenger volume (2020)	42000
Rapid Transit to Resident Ratio (2019)	87.9

Passenger and Freight Railways		
Rail network (2019)	33 422 km	
High-speed rail (2019)	2 663 km	
High-speed rail travel activity (2019)	33.2 billion passenger-km	
National plans for passenger and freight rail expansion (2020)	~	
Ø Targets	Modernising and maintaining as well as building and expanding the rail network	
Rail travel activity (2019)	98 000 million passenger-km	
Rail freight activity (2019)	113114 million ton-km	

Shared Mobility Services	
Bike-sharing systems (2020)	106 systems
Electric scooter services (2020)	9 operators in 52 cities
Carsharing services (2021)	1646 services
National legal frameworks for shared mobility (2020)	v
Autonomous vehicles in operation or in preparation (2020)	4
Autonomous vehicles strategies (2020)	~

Fuel Economy	
Emission standards for LDVs (2018)	Euro 6
CO ₂ emissions performance for LDVs (2017)	140 gCO ₂ /km
Emission standards for HDVs (2018)	Euro VI
Targeted CO ₂ emissions performance	59 gCO ₂ /km by 2030

Electric Mobility	
Electric vehicles (2019)	258800
Market share of electric vehicles (2019)	3%
No. of cities with electric buses (2019)	14
ICE phase-out targets	×

Renewable Energy	
Biofuel blend mandate (2019)	10% Biodiesel, 10% Ethanol
Renewable energy (biofuels and electricity) share in transport (2018)	6.7%
Targeted % of renewable energy	0.05% advanced biofuels from 2020 and 0.5% by 2025

→ Aviation	
Air passengers caried (2019)	109.6 million people
Air freight activity (2019)	7763.6 million ton-km
Carbon-accredited airports (2020)	5 airports
of which carbon neutral	×

Shipping		
Liner shipping connectivity index (2019)	82.8	
Container port traffic (2019)	19 596 420 TEU	

COVID-19	
Traditional transport infrastructure investment	Not available
Clean transport infrastructure investment	USD 2.97 billion
Examples • Public transport infrastructure and service support	

This fact sheet is part of the SLOCAT Transport and Climate Change Global Status Report - 2nd edition.

The information shown is based on desk research. Data has been collected to the best knowledge and availability. However, it might not be complete or reflect the most recent status. 'Not available' is indicated, when no information has been retrieved. The content does not represent the opinion of the SLOCAT Partnership. Find data sources and indicator glos

List of acronyms
GDP Gross-domestic product HDV ICE Heavy-duty vehicle Internal combustion engine LDV LRT Light-duty vehicle Light-rail transit

NDC TEU Nationally determined contribution Twenty-foot Equivalent Unit

UNFCCC United Nations Framework Convention on Climate Change
VNR Voluntary national review of the Sustainable Developiment Goals WLTP $Worldwide\ harmonised\ light\ vehicles\ test\ procedure$