

Ecuador



In Ecuador, the growth of transport CO₂ emissions is outpacing economic growth. While the country's motorisation rate is very high, at the same time, in cities such as Quito, more than half of all trips are completed using collective transport.

Ecuador is working towards the implementation of comprehensive transport strategies. At the local level, a number of cities have ambitious plans to increase public transport and walking and cycling infrastructure. At the national level, an urban mobility plan is under development, but the country currently lacks sufficient frameworks to increase the efficiency of transport, such as fuel consumption standards and measures to promote electrification.

Income group: Middle-income

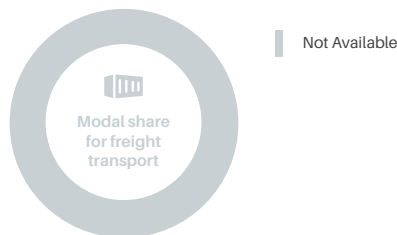
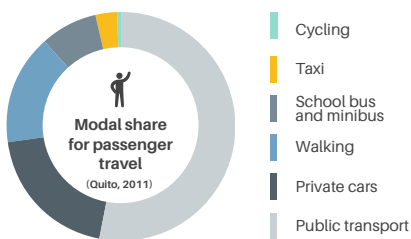
Human Development Index: 0.76

	Population size (2020)	Urban population share (2020)	GDP per capita (2019)
Total	17.6 million	63%	5097.1
Growth <small>(2010 to 2020)</small>	17.5%	18.8%	27.3%

Mobility Demand Trends

Passenger travel activity
Not available

Freight transport activity
Not available



Car ownership growth (2005 to 2015)
140.4 vehicles per 1,000 people



+24%

Vehicle sales (2019)

Passenger (Growth 2010 to 2019)
98597 -6.1%

Commercial
21919 -14.8%

Fuel consumption (2018)

6 170

thousand tonnes of oil equivalent
+47% (2010 to 2018)

Average light duty fuel economy consumption (2017)
Not available



Diesel
US cents per litre (2018)

27

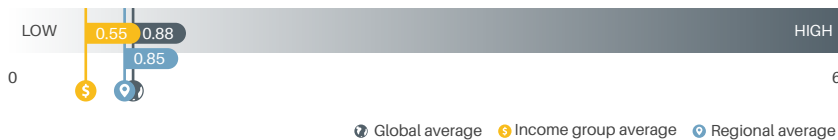
Super gasoline
US cents per litre (2018)

79

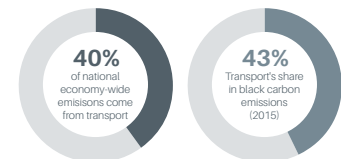
Transport Emission Trends

Transport CO₂ emissions (2019)
16.3 million tonnes

Per capita transport CO₂ emissions (2019)
0.9 tonnes

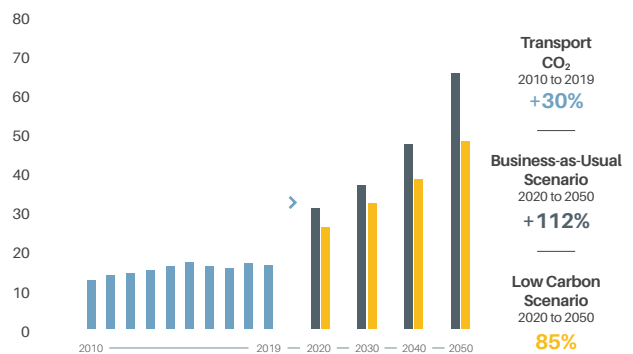


Largest CO₂ producing sector in the country



Low Carbon Transport Pathways

Transport strategy identifies climate change	✓
Long-term strategy submitted to UNFCCC	Not submitted
NDC submitted	1st NDC
NDC highlights transport for GHG mitigation	✗
Transport mitigation targets in NDC	✗
Other non-emission related transport targets in NDC	Not available
Voluntary National Review highlights transport	✓
2020 VNR with transport linkages to SDG 3, SDG 7, SDG 9 and SDG 11	



Transport measures in NDC

Mitigation	• General e-mobility	Adaptation	• Not available

Sustainable Mobility Planning & Transport Demand Management	
National Urban Mobility Framework (2020)	In development
Sustainable Urban Mobility Plans (2020)	Yes, several cities and will be further expanded
Low Emission Zones (2020)	Not available

Walking and Cycling	
National walking strategies (2020)	Not available
National cycling strategies (2020)	Not available
Cycling infrastructure in capital (2020)	136 km of separated bikelanes

Urban Passenger and Freight Transport	
Bus rapid transit (2020)	117 km in 2 cities
Urban rail (LRT, metro, tram) (2020)	11 km in 1 city
Bus rapid transit daily passenger volume (2020)	1055 000
Rapid Transit to Resident Ratio (2019)	21

Passenger and Freight Railways	
Rail network (2000)	956 km
High-speed rail (2018)	Not available
High-speed rail travel activity (2018)	Not available
National plans for passenger and freight rail expansion	Not available
Rail travel activity (2018)	Not available
Rail freight activity (2016)	Not available

Shared Mobility Services	
Bike-sharing systems (2020)	1 system
Electric scooter services (2020)	Not available
Carsharing services (2021)	Not available
National legal frameworks for shared mobility (2020)	Not available
Autonomous vehicles in operation or in preparation (2020)	Not available
Autonomous vehicles strategies (2020)	Not available

Fuel Economy	
Emission standards for LDVs (2018)	Euro 1
CO2 emissions performance for LDVs (2017)	Not available
Emission standards for HDVs (2018)	Euro II
Targeted CO ₂ emissions performance	Not available

Electric Mobility	
Electric vehicles (2019)	Not available
Market share of electric vehicles (2019)	Not available
No. of cities with electric buses (2019)	2
ICE phase-out targets	x

Renewable Energy	
Biofuel blend mandate (2019)	5% Biodiesel, 10% Ethanol
Renewable energy (biofuels and electricity) share in transport (2018)	0.32%
Targeted % of renewable energy	Not available

Aviation	
Air passengers carried (2019)	4.8 million people
Air freight activity (2019)	50.8 million ton-km
Carbon-accredited airports (2020)	3 airports
<i>of which carbon neutral</i>	2 airports

Shipping	
Liner shipping connectivity index (2019)	33.1
Container port traffic (2019)	2096300 TEU

COVID-19	
Traditional transport infrastructure investment	Not available
Clean transport infrastructure investment	Not available

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

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List of acronyms

GDP	Gross-domestic product
HDV	Heavy-duty vehicle
ICE	Internal combustion engine
LDV	Light-duty vehicle
LRT	Light-rail transit
NDC	Nationally determined contribution
TEU	Twenty-foot Equivalent Unit
UNFCCC	United Nations Framework Convention on Climate Change
VNR	Voluntary national review of the Sustainable Development Goals
WLTP	Worldwide harmonised light vehicles test procedure