Morocco

Morocco is experiencing a growth in transport CO_2 emissions which is outpacing population growth, and transport is a major source of air pollution.

Several key transport achievements have been realised in recent years: Morocco launched the first modern high-speed rail service on the African continent and has developed comprehensive sustainable mobility plans as well as ambitious climate plans. The country works at the national and local levels on implementing sustainable transport systems.
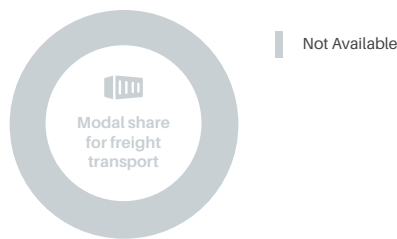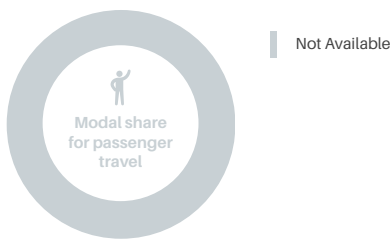
	Population size (2020)	Urban population share (2020)	GDP per capita (2019)
Total	36.9 million	63.8%	3 450.3
Growth (2010 to 2020)	14.1%	25.3%	35%

Income group: **Middle-income**
Human Development Index: **0.69**

Mobility Demand Trends

Passenger travel activity
Not available

Modal share for passenger travel

Not Available

Freight transport activity
Not available

Modal share for freight transport

Not Available

Fuel consumption (2018)
5 968
thousand tonnes of oil equivalent
+34% (2010 to 2018)
Average light duty fuel economy consumption (2017)
Not available

- Oil products
- Natural gas
- Biofuels
- Electricity

Diesel
US cents per litre (2018)
107

Super gasoline
US cents per litre (2018)
118

Car ownership growth (2005 to 2015)
102.6 vehicles per 1,000 people
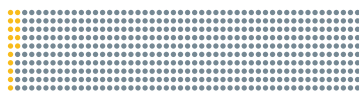
+20%

Vehicle sales (2019)

Passenger (Growth 2010 to 2019)
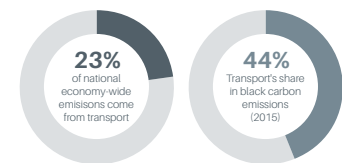148 354 **-9.1%**
Commercial
17 562 **24.2%**

Transport Emission Trends

Transport CO_2 emissions (2019)
17.2 million tonnes

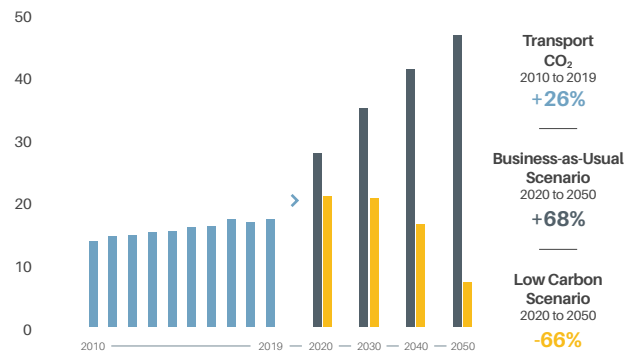**Per capita transport CO_2 emissions (2019)**
0.5 tonnes

LOW 0.25 0.55 0.88 HIGH
0   6

- 🌐 Global average
- 💲 Income group average
- 📍 Regional average
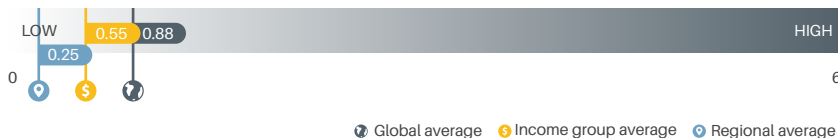
Second-largest CO_2 producing sector in the country

23% of national economy-wide emissions come from transport

44% Transport's share in black carbon emissions (2015)

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	✓
Reduce energy consumption of transport by 23% by 2030	
Other non-emission related transport targets in NDC	✓
Reduce logistical costs from 20% to 15% by 2019 Create a USD 200 million support fund for urban road transport Implement public transport in major cities and create taxi fleet renewal	
Voluntary National Review highlights transport	✓
2020 VNR with transport linkages to SDG 3, SDG 4, SDG 7, SDG 9, SDG 11 and SDG 13	

Transport CO_2 2010 to 2019 **+26%**

Business-as-Usual Scenario 2020 to 2050 **+68%**

Low Carbon Scenario 2020 to 2050 **-66%**

Transport measures in NDC

Mitigation
- General land use and urban form
- Freight transport shifting to rail or inland
- Inspection and maintenance
- Emission standards
- General public transport improvement
- Financial instruments to support decarbonisation
- Vehicle restrictions

Adaptation
- Transport infrastructure resilience

⊚ Policy Areas: Indicators and Targets

🏙 Sustainable Mobility Planning & Transport Demand Management

National Urban Mobility Framework (2020)	✔
Sustainable Urban Mobility Plans (2020)	Several cities
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)	Not available

🚌 Urban Passenger and Freight Transport

Bus rapid transit (2020)	Not available
Urban rail (LRT, metro, tram) (2020)	50 km in 2 cities
Bus rapid transit daily passenger volume (2020)	Not available
Rapid Transit to Resident Ratio (2019)	4.4

🚆 Passenger and Freight Railways

Rail network (2019)	2 295 km
High-speed rail (2018)	200 km
High-speed rail travel activity (2018)	756 million passenger-km
National plans for passenger and freight rail expansion (2020)	✔
⊚ **Targets**	• Expand current network, through the construction of 2,743 additional km conventional rail and 1,500 km of high-speed lines
Rail travel activity (2018)	4 475 million passenger-km
Rail freight activity (2017)	3 896 million ton-km

🛺 Shared Mobility Services

Bike-sharing systems (2020)	1 system
Electric scooter services (2020)	Not available
Carsharing services (2021)	1 service
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 4
CO2 emissions performance for LDVs (2017)	Not available
Emission standards for HDVs (2018)	Not avaiable
Targeted CO_2 emissions performance	Not avaiable

🚐 Electric Mobility

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

⚡ Renewable Energy

Biofuel blend mandate (2019)	Not available
Renewable energy (biofuels and electricity) share in transport (2018)	0.5%
Targeted % of renewable energy	Not available

✈ Aviation

Air passengers caried (2019)	9.4 million people
Air freight activity (2019)	102.2 million ton-km
Carbon-accredited airports (2020)	2 airports
of which carbon neutral	✘

🚢 Shipping

Liner shipping connectivity index (2019)	58.2
Container port traffic (2019)	6 040 400 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.

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 glossary here.

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 Developiment Goals
WLTP Worldwide harmonised light vehicles test procedure