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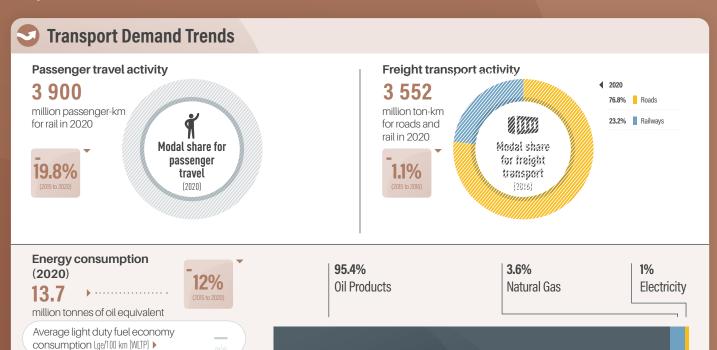
Algeria

Algeria recorded an 8.9% decrease in transport $\mathrm{CO_2}$ emissions between 2015 and 2021 due to the impacts of the COVID-19 pandemic in 2020 and 2021. However, transport is the largest $\mathrm{CO_2}$ producing sector in the country as of 2021. The country's per capita $\mathrm{CO_2}$ emissions in 2021 were 0.92, a reduction from 1.12 in 2019, but still significantly higher than the regional average for Africa of 0.25 ton $\mathrm{CO_2}$.

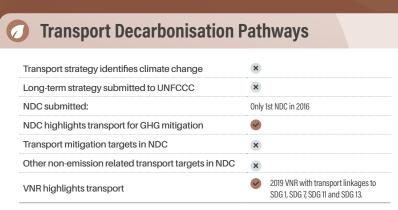
National efforts to reduce transport emissions focus on the expansion of urban and intercity rail, rail electrification and service improvements. Algeria however lacks policies to improve walking and cycling and vehicle electrification is still missing despite a good environment to regulate used vehicles.



Urban population share (2022): 7







Transport actions in VNRs

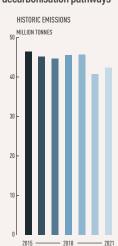
- ▶ Infrastructure development
- ► CNG
- ▶ Efficiency improvements
- ▶ Public transport and cycling promotion

Transport actions in NDC

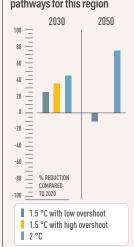
▶ LPG/CNG/LNG

▶ Transport laws, regulations and programmes

Required regional transport decarbonisation pathways



IPCC transport decarbonisation pathways for this region







Integrated Transport Planning

National urban mobility framework (2022)	Not available
Sustainable urban mobility plans (2022)	Not available
Number of sustainable urban mobility plans (2022)	*
Low emission zones (2022)	×

Walking

National walking strategies (2022)

Cycling

National walking strategies (2022) Cycling infrastructure in capital (2022)

Shared Mobility, Public Transport and Informal Transport

Bus rapid transit (2022)	×
Bus rapid transit daily passenger volume (2022)	
Urban rail (LRT, metro, tram) (2022)	116km in 7 cities
Rapid Transit to Resident Ratio (2021)	15.9

Intercity Rail

Rail network (2021)	4000.5 km
Rail travel activity (2019)	348 million-passenger-km
Rail freight activity (2019)	908 million ton-km
High-speed rail (2021)	Not available
High-speed rail travel activity (2021)	Not available
National plans for passenger and freight rail expansion (2022)	



- ▶ To develop high-speed rail and electrify railways
- ▶ Double passenger volume by 2025

🔰 Road Transport

Total road vehicles in use per 1,000 people (2020)	143.6
Average annual growth rate (from 2015 to 2020)	3%

Aviation Air passengers carried (2020) 1.5 million people Air freight activity (2020): 15.6 million ton-km Carbon-accredited airports (2022) of which carbon neutral: X

Shipping	
Liner shipping connectivity index (2021):	12.2
Container port traffic (2020):	724991 TEU

Transport Energy Sources	
Biofuel blend mandate (2022)	Not available
Renewable energy (biofuels and electricity) share in transport (2020)	1.02%
Targeted % of renewable energy	Not available

• Vehicle Technologies	
Emission standards for LDVs (2020)	Euro 6
CO ₂ emissions performance for passenger cars (2018)	Not available
Targeted CO ₂ emissions performance	Not available
Regulatory environment ranking on used vehicles by UNEP (2021)	Very good
Electric vehicles (2022)	Not available
Share of electric vehicles in car sales (2022)	Not available

COVID-19	
Strongest impact of COVID-19 on	(compared to pre-COVID-19 baseline)
trips to public transport	Not available
navigation request for walking	Not available
navigation request for driving	Not available
driven kilometres	Not available
Traditional transport infrastructure investment:	Not available
Clean transport infrastructure investment:	Not available

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ICE phase-out targets:



Egypt has seen several years of transport CO2 emission reductions since 2016. Transport CO₂ emissions reduced by 9% between 2015 and 2021. Transport was the third largest contributor of CO₂ emissions in the country in 2021. The per capita transport CO₂ emissions have however remained relatively constant and the country average remains almost twice as high as the regional average

Since the release of previous edition of Egypt's country fact sheet, the country has put in place a sustainal urban mobility plan for the capital city, and started a national railways modernisation project with the aims to maximise the contribution of railway transportation to the socioeconomic sector. Egypt has also banned importation of used light duty vehicles.

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GLOBAL STATUS REPORT



Human Development Index (2021):

Population size (2022): +13.9% Urban population share (2022):

GDP per capita (2021):

Transport Demand Trends Freight transport activity Passenger travel activity **4** 2020 **4** 2020 32 554 2 368 Roads 61.6% Railways million passenger-km million ton-km 38.4% Inland water for roads and rail in 98.8% Railways for rail and inland water Modal share Modal share for in 2020 for freight passenger travel transport 3.3% (2016) (2016) **Energy consumption** 0.3% 2.7% (2020)Oil Products Natural Gas Electricity 17.25 **>** million tonnes of oil equivalent Average light duty fuel economy **7.8** consumption Lge/100 km (WLTP) ▶

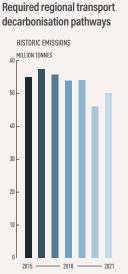
Transport Emission Trends Transport CO₂ emissions Per capita transport CO₂ Transport (2021) emissions (2021) 9.1% is the third **0.46** tonnes **50** million tonnes largest CO, of national economy-wide producing Per capita transport CO, emissions Q Global average S Income group average Regional average Egypt average sector in from transport the country 0.53 Tonnes 6



Risk assessment

General e-mobility

General infrastructure improvements









Integrated Transport Planning

National urban mobility framework (2022)	Not Available
Sustainable urban mobility plans (2022)	❷
Number of sustainable urban mobility plans (2022)	1 city (Cairo)
Low emission zones (2022)	×

Walking

National walking strategies (2022) Only subnational strategy

Cycling

National walking strategies (2022) Only subnational strategy Cycling infrastructure in capital (2022)

Shared Mobility, Public Transport and Informal Transport

Bus rapid transit (2022)	×
Bus rapid transit daily passenger volume (2022)	
Urban rail (LRT, metro, tram) (2022)	108 km in 2 cities
Rapid Transit to Resident Ratio (2021)	2.5

📕 Intercity Rail

Rail network (2006)	5153 km
Rail travel activity (2006)	40837 million-passenger-km
Rail freight activity (2006)	1592.1 million ton-km
High-speed rail (2021)	Not available
High-speed rail travel activity (2021)	Not available
National plans for passenger and freight rail expansion (2022)	•



▶ To maximise rail transport contribution to the country's socioeconomic development and effectively support Vision-2030, whose goal is to achieve a sustainable and all-inclusive economy by 2030.

(Road Transport

Total road vehicles in use per 1,000 people (2020)	64.4
Average annual growth rate (from 2015 to 2020)	3.8%

Aviation Air passengers carried (2020) 4.6 million people Air freight activity (2020): 438.9 million ton-km Carbon-accredited airports (2022) of which carbon neutral: ×

Shipping	
Liner shipping connectivity index (2021):	66.7
Container port traffic (2020):	5 928 454 TEU

1 Transport Energy Sources	
Biofuel blend mandate (2022)	Not Available
Renewable energy (biofuels and electricity) share in transport (2020)	0.29%
Targeted % of renewable energy	Not Available

Vehicle Technologies

Share of electric vehicles in car sales (2022)

ICE phase-out targets:

Emission standards for LDVs (2020)	Not Available
CO ₂ emissions performance for passenger cars (2018)	Not Available
Targeted CO ₂ emissions performance	Not Available
Regulatory environment ranking on used vehicles by UNEP (2021)	Banned
Electric vehicles (2022)	Not Available

COVID-19	
Strongest impact of COVID-19 on	(compared to pre-COVID-19 baseline)
trips to public transport	-66% Week of 31 May 2020
navigation request for walking	-62.30% Week of 29 March 2020
navigation request for driving	-65.70% Week of 29 March 2020
driven kilometres	Not available
Traditional transport infrastructure investment:	Not available
Clean transport infrastructure investment:	Not available

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Ghana

contributing 38% of the total CO_2 emissions. There was a 14% increase in transport CO_2 emissions between 2015 and 2021. Although vehicle emission standards were adopted, Ghana is still one of the leading importers of used vehicles and there was an exponential increase of 10,000 units of imports between 2019 and 2020. There is also a lack of data on passenger and freight activity,

making it difficult to attribute the major growth area of transport emissions

In 2020, the country released an updated National Transport Policy which prioritises sustainable tansportation and climate change. The country's Railway Transport Masterplan was also updated in 2020 to provide for expansion of the rail network.

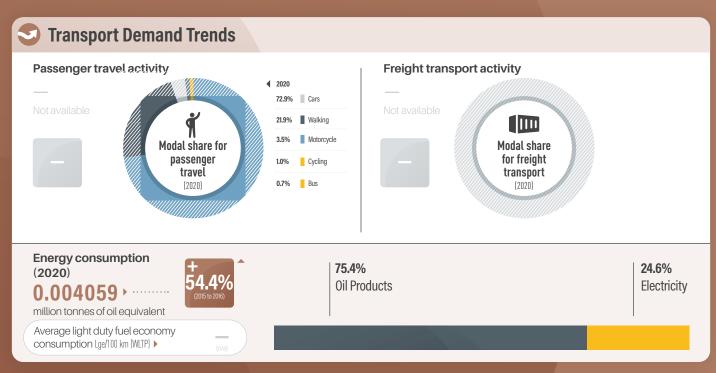


GLOBAL STATUS REPORT

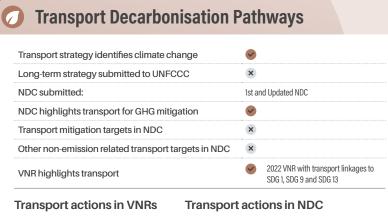




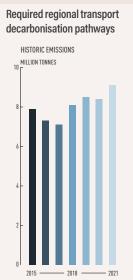
- Population size (2022): +16.2%
- Urban population share (2022):
- GDP per capita (2021):

















🔛 Integrated Transport Planning

National urban mobility framework (2022) Sustainable urban mobility plans (2022) Number of sustainable urban mobility plans 1 city (Kumasi, ongoing in 2023) (2022)Low emission zones (2022)

Walking

Only combined with cycling in National Transport National walking strategies (2022) Policy

S Targets

- ▶ Integrate walking and cycling facilities in all transport infrastructure developments
- ▶ Maintain and free-up all existing NMT facilities from encroachment.

🦝 Cycling

Only combined with walking in National Transport National walking strategies (2022)

M Targets

- ▶ Integrate walking and cycling facilities in all transport infrastructure developments
- ▶ Maintain and free-up all existing NMT facilities from encroachment.

Cycling infrastructure in capital (2022)

Shared Mobility, Public Transport and Informal Transport

Bus rapid transit (2022)	×
Bus rapid transit daily passenger volume (2022)	
Urban rail (LRT, metro, tram) (2022)	Not available
Rapid Transit to Resident Ratio (2021)	Not available

📗 Intercity Rail

Rail network (2016)	953 km
Rail travel activity (2008)	85 million-passenger-km
Rail freight activity (2010)	181 million ton-km
High-speed rail (2021)	Not available
High-speed rail travel activity (2021)	Not available
National plans for passenger and freight rail expansion (2022)	•



 $\blacktriangleright \ \, \text{To expand rail network to create an efficient transportation system linking important mineral}$ potentials, communities and every regional capital

Road Transport

Total road vehicles in use per 1,000 people (2020)	Not available
Average annual growth rate	Not available

Air passengers carried (2020)	0.3 million people	
Air freight activity (2020):	0.0 million ton-km	
Carbon-accredited airports (2022)	×	
of which carbon neutral:	×	

Shipping	
Liner shipping connectivity index (2021):	37.2
Container port traffic (2020):	1 050 696 TEU

Transport Energy Sources	
Biofuel blend mandate (2022)	Not available
Renewable energy (biofuels and electricity) share in transport (2020)	24.64%
Targeted % of renewable energy	Not available

Vehicle Technologies	
Emission standards for LDVs (2020)	Euro 2
CO ₂ emissions performance for passenger cars (2020)	Not available
Targeted CO ₂ emissions performance	Not available
Regulatory environment ranking on used vehicles by UNEP (2021)	Good
Electric vehicles (2022)	Not available
Share of electric vehicles in car sales (2022)	Not available
ICF phase-out targets:	4%, 16%, and 32% of cars and buses sold to

be EVs in 2025, 2030, and 2050 respectively

COVID-19

ICE phase-out targets:

Strongest impact of COVID-19 on	(compared to pre-COVID-19 baseline)
trips to public transport	-58.4% Week of 5 April 2020
navigation request for walking	Not available
navigation request for driving	Not available
driven kilometres	Not available
Traditional transport infrastructure investment:	USD 1.3
Clean transport infrastructure investment:	Not available

▶ Road and Bridge Construction Programme

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List of a	cranume		
GDP	Gross-domestic product	TEU	Twenty-foot Equivalent Unit
HDV	Heavy-duty vehicle	UNEP	United Nations Environment Programme
ICE	Internal combustion engine	UNFCCC	United Nations Framework Convention on Climate Ch
LDV	Light-duty vehicle	VNR	Voluntary national review of the Sustainable Developi
LRT	Light-rail transit		Goals
NDO	Market all Colorado de la calificación	110 TO	THE RESERVE OF THE RE



Transport is the second largest CO₂ emitting sector in Libya. There was a 15.2% increase in transport CO₂ emissions between 2015 and 2021. Libya's value of per capita emissions is almost 10 times the regional average and it is a major importer of used light duty vehicles in the region. There is a general scarcity of statistical data and information on policies and planning on integrated transport, walking, cycling, rail and BRT transport in Libya.

There are currently no known short-term or long-term plans to decarbonise transport in Libya and with this trajectory of BAU, transport CO_2 emissions are expected to increase exponentially in the coming

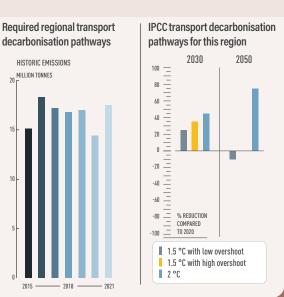














🔛 Integrated Transport Planning National urban mobility framework (2022) Sustainable urban mobility plans (2022)

Number of sustainable urban mobility plans (2022)

Low emission zones (2022)

Walking

National walking strategies (2022)

🚲 Cycling

National walking strategies (2022) Cycling infrastructure in capital (2022)

Shared Mobility, Public Transport and **Informal Transport**

Bus rapid transit (2022)	×
Bus rapid transit daily passenger volume (2022)	
Urban rail (LRT, metro, tram) (2022)	Not available
Rapid Transit to Resident Ratio (2021)	Not available

📕 Intercity Rail

Rail network (2021) Rail travel activity (2021) Not available Rail freight activity (2021) High-speed rail (2021) High-speed rail travel activity (2021) National plans for passenger and freight rail expansion (2022)

(III) Road Transport

Total road vehicles in use per 1,000 people 489.9 Average annual growth rate 4.40% (from 2015 to 2020)

Aviation Air passengers carried (2020) 0.7 million people Air freight activity (2020): 0.6 million ton-km Carbon-accredited airports (2022) of which carbon neutral: ×

Shipping Liner shipping connectivity index (2021): 12.4 Container port traffic (2020): 0 TFU

Transport Energy Sources	
Biofuel blend mandate (2022)	Not available
Renewable energy (biofuels and electricity) share in transport (2020)	Not available
Targeted % of renewable energy	Not available

Vehicle Technologies	
Emission standards for LDVs (2020)	Not available
CO ₂ emissions performance for passenger cars (2020)	Not available
Targeted CO ₂ emissions performance	Not available
Regulatory environment ranking on used vehicles by UNEP (2021)	Very weak
0 ,	Very weak Not available
by UNEP (2021)	

COVID-19	
Strongest impact of COVID-19 on	(compared to pre-COVID-19 baseline)
trips to public transport	-53.3% Week of 5 April 2020
navigation request for walking	Not available
navigation request for driving	Not available
driven kilometres	Not available
Traditional transport infrastructure investment:	Not available
Clean transport infrastructure investment:	Not available

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Morocco

Morocco recorded a 12.7% increase in transport CO₂ emissions between 2015 and 2021 despite the COVID-19 pandemic in 2020 and 2021 which often resulted in emission reductions. Transport is the second largest CO₂ emitting sector in Morocco. Apart from rail, there is lack of stastistical data about passenger and freight travel activity in Morocco.

, Morocco submitted a long-term strategy to the UNFCCC, an updated NDC document and the country has completed a national urban mobility plan and sustainable urban mobility plans for 3 cities. There are also plans to expand the coverage of the high-speed



SLOCAT



- Population size (2022): +8.1%
- Urban population share (2022):
- GDP per capita (2021): +4.83%



Transport Emission Trends Transport CO₂ emissions Per capita transport CO₂ Transport is (2021) emissions (2021) the second-**18.5** million tonnes 0.5 tonnes largest CO₂ of national economy-wide producing Per capita transport CO2 emissions sector in from transport the country 0.53 Tonnes 6 Ó 0

Transport Decarbonisation Pathways Transport strategy identifies climate change Long-term strategy submitted to UNFCCC NDC submitted: 1st and Updated NDC NDC highlights transport for GHG mitigation V

Transport actions in VNRs Transport actions in NDC

▶ Urban infrastructure development

VNR highlights transport

Transport mitigation targets in NDC

Other non-emission related transport targets in NDC

- ▶ Public transport promotion
- ▶ Rural roads development
- ▶ Infrastructure development programs
- ▶ Energy efficiency improvements
- ▶ Rail network planning
- ▶ Ecodriving
- ▶ Freight transport shifting to rail or inland waterways

X

2020 VNR with transport linkages

and SDG 13

to SDG 3, SDG 4, SDG 7, SDG 9, SDG 11

standards

▶ Vehicle taxes

▶ Use of renewable energy

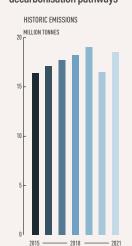
▶ Vehicle air pollution emission

▶ Vehicle efficiency standards

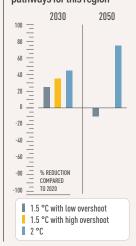
▶ Vehicle scrappage scheme

- ▶ General economic instruments
- ▶ General freight efficiency
- ▶ General vehicle improvements
- ▶ Public transit integration and expansion

Required regional transport decarbonisation pathways



IPCC transport decarbonisation pathways for this region





🔛 Integrated Transport Planning National urban mobility framework (2022) Sustainable urban mobility plans (2022) Number of sustainable urban mobility plans 3 cities (2022)X Low emission zones (2022)

Walking

National walking strategies (2022) Only in the national policy plan

🚲 Cycling

National walking strategies (2022) Only in the national policy plan Cycling infrastructure in capital (2022)

Shared Mobility, Public Transport and Informal Transport

Bus rapid transit (2022)	×
Bus rapid transit daily passenger volume (2022)	
Urban rail (LRT, metro, tram) (2022)	74 km in 2 cities
Rapid Transit to Resident Ratio (2021)	6.0

📕 Intercity Rail

Rail network (2021)	2295.0 km
Rail travel activity (2021)	4464.0 million-passenger-km
Rail freight activity (2021)	3148.0 million ton-km
High-speed rail (2021)	186 km
High-speed rail travel activity (2021)	640 million passenger-km
National plans for passenger and freight rail expansion (2022)	•



- ▶ To create a 1500-km high-speed rail network, alongside a standard network of 2700 km by 2030
- \blacktriangleright To increase the number of cities served by conventional, high-speed rail links from 23 to 43

Road Transport

Total road vehicles in use per 1,000 people (2020)	112.3
Average annual growth rate (from 2015 to 2020)	3.70%

Aviation Air passengers carried (2020) 3.0 million people Air freight activity (2020): 46.2 million ton-km Carbon-accredited airports (2022) 2 airports of which carbon neutral: X

Shipping	
Liner shipping connectivity index (2021):	69.3
Container port traffic (2020):	6 980 958 TEU

Transport Energy Sources		
	Biofuel blend mandate (2022)	Not available
	Renewable energy (biofuels and electricity) share in transport (2020)	0.37%
	Targeted % of renewable energy	Not available

Euro 4	
Not available	
Not available	
used vehicles Good	
Not available	
	Not available Not available seed vehicles Good

X

Vehicle Technologies

Share of electric vehicles in car sales (2022)

ICE phase-out targets:

® COVID-19	
Strongest impact of COVID-19 on	(compared to pre-COVID-19 baseline)
trips to public transport	-75.1% Week of 12 April 2020
navigation request for walking	-86.6% Week of 29 March 2020
navigation request for driving	-84.9% Week of 29 March 2020
driven kilometres	-90.1% Week of 12 April 2020
Traditional transport infrastructure investment:	Not available
Clean transport infrastructure investment:	Not available

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Nigeria

Nigeria has the highest population and the highest emitter, accounting for 47% of the national economy wide emissions, and there has been a 32.6% increase in transport emissions between 2015 and 2021. Nigeria's urban population share has also increased significantly between 2015 and 2022 implying a higher demand and urgency for sustainable urban mobility solutions.

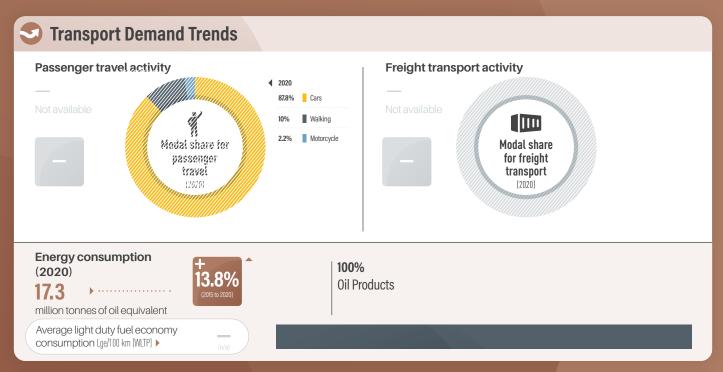
Nigeria is currently the second largest importer of used light duty vehicles in Africa with low vehicle emission standards. Since the previous edition of Nigeria's transport factsheet, there have been milestones such as submission of the long-term strategy to the UNFCCC, and the updated NDC document. Nigeria

SLOCAT **GLOBAL STATUS REPORT**

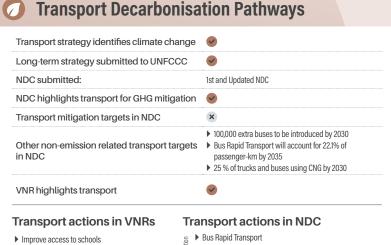
Population size (2022):

Urban population share (2022):





Transport Emission Trends Transport CO₂ emissions Per capita transport CO₂ Transport (2021) emissions (2021) is the **59.3** million tonnes **0.28** tonnes largest CO, of national economy-wide producing Per capita transport CO2 emissions sector in from transport the country HIGH 0.53 0.83 Tonnes 6 6

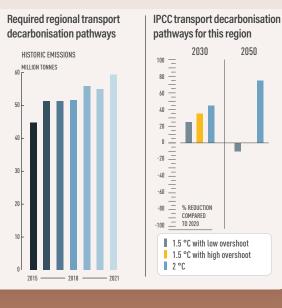


▶ Bus Rapid Transport

▶ LPG/CNG/LNG

▶ Vehicle air pollution emission standards

▶ Not available



▶ Rural road development





National urban mobility framework (2022) Sustainable urban mobility plans (2022) Number of sustainable urban mobility plans (2022)

Low emission zones (2022)

Walking

National walking strategies (2022)

Only combined with cycling



- ▶ Increase mode share of walking, cycling and public transport
- ▶ Reduce of use of personal motor vehicles
- ▶ Improve road safety
- ▶ Improve air quality

Cycling

National walking strategies (2022)

Only combined with walking



▶ Same as above for walking

Cycling infrastructure in capital (2022)

Shared Mobility, Public Transport and **Informal Transport**

Bus rapid transit (2022)	20 km in 1 city
Bus rapid transit daily passenger volume (2022)	200 000
Urban rail (LRT, metro, tram) (2022)	27 km in 1 city
Rapid Transit to Resident Ratio (2021)	0.8

📗 Intercity Rail

Rail network (2015)	3528 km
Rail travel activity (2005)	173.63 million-passenger-km
Rail freight activity (2005)	79.26 million ton-km
High-speed rail (2021)	Not available
High-speed rail travel activity (2021)	Not available
National plans for passenger and freight rail expansion (2022)	•



▶ To boost intra-African trade as envisaged by the African Continental Free Trade Area (AfCTA)

Road Transport

Total road vehicles in use per 1,000 people (2020)	55.7
Average annual growth rate (from 2015 to 2020)	5%

Aviation Air passengers carried (2020) 3.4 million people Air freight activity (2020): 0.7 million ton-km Carbon-accredited airports (2022) 1 airport of which carbon neutral: ×

Shipping

Liner shipping connectivity index (2021): 20.8 Container port traffic (2020): 15 28 520 TEU

Transport Energy Sources

20% Biodiesel, 10% Ethanol Biofuel blend mandate (2022) Renewable energy (biofuels and electricity) share in transport (2020) Targeted % of renewable energy

Vehicle Technologies

Emission standards for LDVs (2020)	Euro 2
CO ₂ emissions performance for passenger cars (2020)	Not available
Targeted CO ₂ emissions performance	Not available
Regulatory environment ranking on used vehicles by UNEP (2021)	Good
Electric vehicles (2022)	Not available
Share of electric vehicles in car sales (2022)	Not available
ICE phase-out targets:	100% transition to EV by 2060 with interim targets of 1% EV and 2% HEV by 2030, and 60% EV and 20% HEV by 2050.

COVID-19

Strongest impact of COVID-19 on	(compared to pre-COVID-19 baseline)
trips to public transport	-55% Week of 19 April 2020
navigation request for walking	Not available
navigation request for driving	Not available
driven kilometres	Not available
Traditional transport infrastructure investment:	USD 0.154 billion
Clean transport infrastructure investment:	Not available

Examples

▶ Road Construction and Rehabilitation

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List of ac	pronume		
GDP	Gross-domestic product	TEU	Twenty-foot Equivalent Unit
HDV	Heavy-duty vehicle	UNEP	United Nations Environment Programme
ICE	Internal combustion engine	UNFCCC	United Nations Framework Convention on
LDV	Light-duty vehicle	VNR	Voluntary national review of the Sustainabl
LRT	Light-rail transit		Goals
NDC	Nationally datarmined contribution	WITD	Worldwide harmonised light vehicles test r

South Africa

South Africa has the second highest GDP in the sector although it registered a 7.8% decline in carbon emissions between 2015 and 2021. The per capita transport CO₂ emissions of South Africa are significantly higher than the regional average and even slighty higher than the global average.

we hicle efficiency improvements and electrification.
The rail strategy outlines some measures to shift freight from roads to railways. South Africa's Green Transport
Strategy remains since 2018 to be the main guiding document and it features the target to reduce transport GHG emissions by 5% by 2050 which is highly insufficient compared to the required decarbonisation pathways.



GLOBAL STATUS REPORT



- Population size (2022):
- Urban population share (2022):
- GDP per capita (2021):



Passenger travel activity

3 502

million passengerkm for rail in 2020 in 2020





Freight transport activity





Energy consumption (2020)

15.14

million tonnes of oil equivalent

Average light duty fuel economy consumption Lge/100 km (WLTP) ▶

7.4

17.1%

98.7%

Oil Products

1.3% Electricity

Transport Emission Trends

Transport CO₂ emissions (2021)

49.7 million tonnes



Per capita transport CO₂ emissions (2021)

0.84 tonnes

Per capita transport CO2 emissions



Tonnes 6

Transport is the third largest CO₂ producing sector in the country

of national economy-wide emisisons come from transport

Transport Decarbonisation Pathways

Transport strategy identifies climate change Long-term strategy submitted to UNFCCC V NDC submitted: 1st and Updated NDC V NDC highlights transport for GHG mitigation X Transport mitigation targets in NDC X Other non-emission related transport targets in NDC 2019 VNR with transport linkages to SDG VNR highlights transport 7, SDG 8, SDG 9, SDG 11 and SDG 13

Transport actions in VNRs

▶ E-mobility

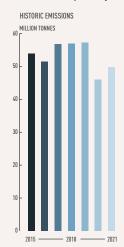
- ▶ Cleaner fuels
- ▶ Energy efficiency
- Active mobility
- BRT and public transport improvements

Transport actions in NDC

- ▶ General public transport improvement
- ▶ Adaptation and resilience of transport systems
- Design Standards and updates

▶ Transport Planning

Required regional transport decarbonisation pathways



IPCC transport decarbonisation







Integrated Transport Planning

National urban mobility framework (2022)	×
Sustainable urban mobility plans (2022)	Not available
Number of sustainable urban mobility plans (2022)	×
Low emission zones (2022)	×

Walking

National walking strategies (2022)

- ▶ To provide information and guidelines on a variety of aspects related to pedestrian and bicycle facilities
- ▶ To integrate walking and cycling into the transport system.
- ▶ To improve the quality of life of marginalised people.
- ▶ To adhere to the principle of environmental protection, and energy conservation
- ▶ To integrate and connect the first and second economies, and the rural and urban areas.
- ▶ To promote economic revitalisation of the rural areas.
- ▶ To promote safety as a critical facet of public and freight transport.
- ▶ To increase accessibility and mobility.

🚲 Cycling

National walking strategies (2022)



▶ Same as walking above

Cycling infrastructure in capital (2022)

415 km

Shared Mobility, Public Transport and Informal Transport

Bus rapid transit (2022)	88 km in 1 city
Bus rapid transit daily passenger volume (2022)	111 578
Urban rail (LRT, metro, tram) (2022)	824 km in 4 cities
Rapid Transit to Resident Ratio (2021)	3.1

📕 Intercity Rail

Rail network (2021)	20953 km
Rail travel activity (2020)	3501.96 million-passenger-km
Rail freight activity (2008)	113342 million ton-km
High-speed rail (2021)	Not available
High-speed rail travel activity (2021)	Not available
National plans for passenger and freight rail expansion (2022)	•



- ▶ Development of the Transnet Road-to-Rail Strategy
- ▶ To rebalance the road freight-rail freight split in an attempt to create a more appropriate market share
- ▶ To reduce the number of heavy trucks on the roads and decrease overloading on the road network

Road Transport

Total road vehicles in use per 1,000 people (2020)	175.8
Average annual growth rate (from 2015 to 2020)	1.50%

Air passengers carried (2020)	8.3 million people
Air freight activity (2020):	102.4 million ton-km
Carbon-accredited airports (2022)	6 airports
of which carbon neutral:	×

Shipping

Liner shipping connectivity index (2021):	39.1
Container port traffic (2020):	4 029 000 TEU

(7) Transport Energy Sources

Biofuel blend mandate (2022)	5% Biodiesel, 2% Ethanol
Renewable energy (biofuels and electricity) share in transport (2020)	1.32%
Targeted % of renewable energy	Not available

Vehicle Technologies

Emission standards for LDVs (2020)	Euro 2
CO ₂ emissions performance for passenger cars (2020)	Not available
Targeted CO ₂ emissions performance	Not available
Regulatory environment ranking on used vehicles by UNEP (2021)	Banned
Electric vehicles (2022)	Not available
Share of electric vehicles in car sales (2022)	Not available
ICE phase-out targets:	Convert 5% of the public and national fleet to cleaner alternative fuel and efficient technology vehicles by 2025, with annual increase of 2% thereafter

COVID-19

Strongest impact of COVID-19 on	(compared to pre-COVID-19 baseline)
trips to public transport	-80% Week of 12 April 2020
navigation request for walking	-82.5% Week of 5 April 2020
navigation request for driving	-84.9% Week of 5 April 2020
driven kilometres	-89.4% Week of 5 April 2020
Traditional transport infrastructure investment:	USD 0.036 billion
Clean transport infrastructure investment:	Not available

▶ Rural roads maintenance and upgrading programme

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List of ac	cronyms		
GDP	Gross-domestic product	TEU	Twenty-foot Equivalent
HDV	Heavy-duty vehicle	UNEP	United Nations Environ
ICE	Internal combustion engine	UNFCCC	United Nations Framew
LDV	Light-duty vehicle	VNR	Voluntary national revie
LRT	Light-rail transit		Goals



Sudan

Sudan is a low-income country with a few low score in the HDI. Transport is the largest CO₂ emitter in Sudan, contributing 50% of the total emissions in the country. The country however registered a 2.5% decrease in transport CO₂ emissions between 2015 and 2021 and the per capita transport CO₂ emissions are slightly

The Sudan Railway Masterplan (2007-2026) aims to enhance rail transport services. But besides rail, there is no information available on other activities related to



GLOBAL STATUS REPORT



Population size (2022):

Urban population share (2022):



Transport Demand Trends

Passenger travel activity

million passenger-km for rail in 2015





Freight transport activity

897

million ton-km for rail and aviation in 2020



Energy consumption (2020)

3.43 **>** million tonnes of oil equivalent

Average light duty fuel economy consumption Lge/100 km (WLTP) ▶

100%

Oil Products

Transport Emission Trends

Transport CO₂ emissions (2021)

10.6 million tonnes

Per capita transport CO₂ emissions (2021)

0.24 tonnes

Per capita transport CO2 emissions



Global average S Income group average Regional average Sudan average

Tonnes 6

Transport is the largest CO, producing sector in the country



Transport Decarbonisation Pathways

Transport strategy identifies climate change Long-term strategy submitted to UNFCCC X NDC submitted: 1st and Updated NDC V NDC highlights transport for GHG mitigation X Transport mitigation targets in NDC X Other non-emission related transport targets in NDC 2022 VNR with transport linkages to VNR highlights transport SDG 8 and SDG 9

Transport actions in VNRs

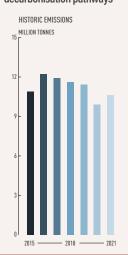
- ▶ Provide road and transportation equipment
- ▶ Train human resources on infrastructure development, engineering and technology
- ▶ Rehabilitating and maintaining the existing road network
- ▶ Private sector engagement in road construction and maintenance

Transport actions in NDC

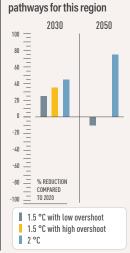
- ▶ Biofuels
- ▶ Freight transport shifting to rail or inland waterways
 - ▶ General public transport improvement
- ▶ General shipping improvement
- Vehicle efficiency standards

▶ Not available

Required regional transport decarbonisation pathways



IPCC transport decarbonisation







Integrated Transport Planning

National urban mobility framework (2022)	Not available
Sustainable urban mobility plans (2022)	Not available
Number of sustainable urban mobility plans (2022)	×
Low emission zones (2022)	×

Walking

National walking strategies (2022)

Cycling

National walking strategies (2022) Cycling infrastructure in capital (2022)

Shared Mobility, Public Transport and Informal Transport

Bus rapid transit (2022)	×
Bus rapid transit daily passenger volume (2022)	
Urban rail (LRT, metro, tram) (2022)	Not available
Rapid Transit to Resident Ratio (2021)	Not available

📕 Intercity Rail

Rail network (2020)	2747 km
Rail travel activity (2014)	81.5 million-passenger-km
Rail freight activity (2013)	33.9 million ton-km
High-speed rail (2021)	Not available
High-speed rail travel activity (2021)	Not available
National plans for passenger and freight rail expansion (2022)	



- ▶ To enhance the competitive position of the railway by expanding and improving services
- ▶ To construct railway links between Sudan and the neighbouring countries

🔰 Road Transport

Total road vehicles in use per 1,000 people (2020)	Not available
Average annual growth rate (from 2015 to 2020)	Not available

Aviation Air passengers carried (2020) 0.4 million people Air freight activity (2020): Carbon-accredited airports (2022) of which carbon neutral: X

Shipping	
Liner shipping connectivity index (2021):	8.4
Container port traffic (2020):	493002.3 TEU

Transport Energy Sources	
Biofuel blend mandate (2022)	5% ethanol
Renewable energy (biofuels and electricity) share in transport (2020)	Not available
Targeted % of renewable energy	Not available

Vehicle Technologies	
Emission standards for LDVs (2020)	Not available
CO ₂ emissions performance for passenger cars (2020)	Not available
Targeted CO ₂ emissions performance	Not available
Regulatory environment ranking on used vehicles by UNEP (2021)	Banned
	Banned Not available
by UNEP (2021)	54.1104

COVID-19	
Strongest impact of COVID-19 on	(compared to pre-COVID-19 baseline)
trips to public transport	Not available
navigation request for walking	Not available
navigation request for driving	Not available
driven kilometres	Not available
Traditional transport infrastructure investment:	Not available
Clean transport infrastructure investment:	Not available

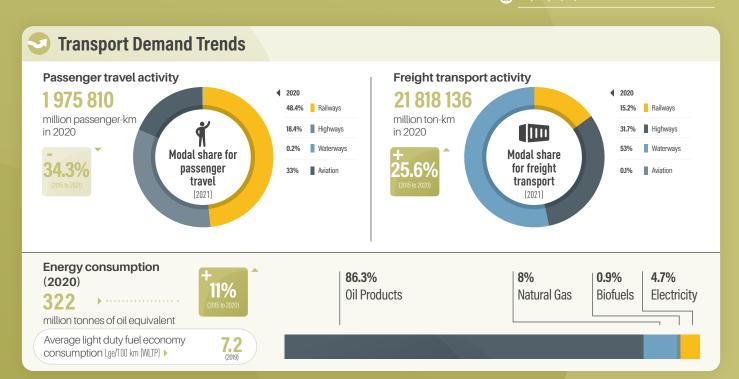
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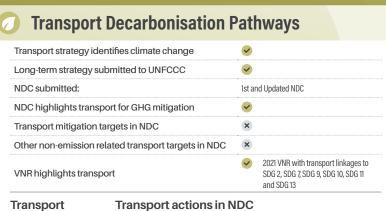


China





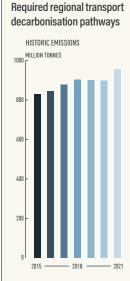




actions in VNRs

- ▶ Improved food supply chains
- ▶ Railway electrification
- ▶ Efficient, economical. intelligent, green, safe and reliable urban transport

- ▶ EV charging infrastructure
- ▶ Expansion of infrastructure
- ▶ Freight transport shifting to rail or inland waterways
- ▶ General active mobility
- ▶ General alternative fuels
- ▶ General economic instruments
- ▶ General e-mobility
- ▶ General freight efficiency improvements
- General transport labels
- ▶ Hydrogen
- ▶ Intelligent transport systems
- ▶ Intermodality measures
- ▶ Public transit integration and expansion ▶ Support on-shore power and electric charging facilities in ports
- ▶ Vehicle efficiency standards
- Vehicle restrictions (import, age, access, sale, taxation)



IPCC transport decarbonisation pathways for this region 2030 2050 80 = 60 = 40 = = -20 == -40 == -60 = % REDUCTION COMPARED TO 2020 ■ 1.5 °C with low overshoot 1.5 °C with high overshoot 2°C





Integrated Transport Planning

National urban mobility framework (2022)	✓
Sustainable urban mobility plans (2022)	✓
Number of sustainable urban mobility plans (2022)	1 city
Low emission zones (2022)	49 cities

🏠 Walking

National walking strategies (2022)	Combined with cycling in national transport
National Walking Strategies (2022)	strategy

S Targets

▶ Improve urban transport facilities for cyclists and pedestrians, promote cycling

Cycling Cycling

Cycling infrastructure in capital (2022)

National walking strategies (2022)	Combined with walking in national transport strategy

3 200 km

Shared Mobility, Public Transport and Informal Transport

Bus rapid transit (2022)	672 km in 20 cities
Bus rapid transit daily passenger volume (2022)	4 375 250
Urban rail (LRT, metro, tram) (2022)	Over 5 400 km in 46 cities
Rapid Transit to Resident Ratio (2021)	14.4

Intercity Rail

Rail network (2021)	109 767 km
Rail travel activity (2021)	946 499 million-passenger-km
Rail freight activity (2019)	3 018 200 million ton-km
High-speed rail (2021)	31 830 km
High-speed rail travel activity (2021)	606 416 million passenger-km
National plans for passenger and freight rail expansion (2022)	•



▶ By 2035, expand overall rail network to 200,000 km; with 70,000 km of high-speed railways

Road Transport

Total road vehicles in use per 1,000 people (2020)	223.2
Average annual growth rate (from 2015 to 2020)	14.30%

420 million people Air passengers carried (2020) Air freight activity (2020): 19 264.2 million ton-km Carbon-accredited airports (2022) 6 airports X of which carbon neutral:

Shipping	
Liner shipping connectivity index (2021):	171.2
Container port traffic (2020):	245 103 781 TEU

① Transport Energy Sources	
Biofuel blend mandate (2022)	10% Ethanol
Renewable energy (biofuels and electricity) share in transport (2020)	5.60%
Targeted % of renewable energy	Not available

Vehicle Technologies

Emission standards for LDVs (2020)	Euro 6
CO₂ emissions performance for passenger cars (2019)	135.4 gCO ₂ /km
Targeted CO ₂ emissions performance	59 gCO ₂ /km by 2025
Regulatory environment ranking on used vehicles by UNEP (2021)	Not available
Electric vehicles (2022)	11 000 000
Share of electric vehicles in car sales (2022)	29%
ICE phase-out targets:	No, only on subnational level Hainan - 2030

COVID-19

Strongest impact of COVID-19 on	(compared to pre-COVID-19 baseline)
trips to public transport	Not available
navigation request for walking	Not available
navigation request for driving	Not available
driven kilometres	Not available
Traditional transport infrastructure investment:	USD 7.01 billion
Clean transport infrastructure investment:	Not available

- ▶ Promoting the deployment of Intelligent Connected Vehicles
- ▶ Green Vehicle Investment
- ▶ Construction of rural transportation infrastructure
- Logistics industry support
- ▶ High-speed rail spending

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List of acronyms

GDP Gross-domestic product

HDV Heavy-duly vehicle

ICE Internal combustion engine

LDV Light-ad Itransit

NDC Nationally determined contribution

TEU Twenty-foot Equivalent Unit

UNEP United Nations Environment Programme

UNFCCC United Nations Environment Programme

UNFCCC VNR

Voluntary national review of the Sustainable Developiment

Goals Goals Worldwide harmonised light vehicles test procedure



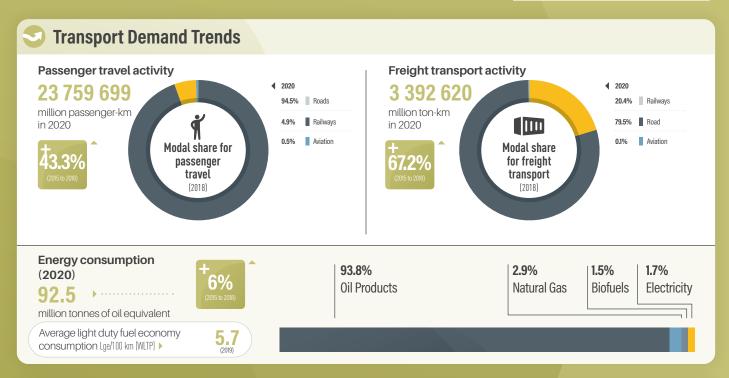
India

India recorded a strong increase in passenger and freight activity from 2015 to 2018, even without any statistics on walking and cycling, which are major modes in cities. Per capita transport CO₂ emissions in 2021 were at 0.2 tons CO₂, well below regional or income averages.

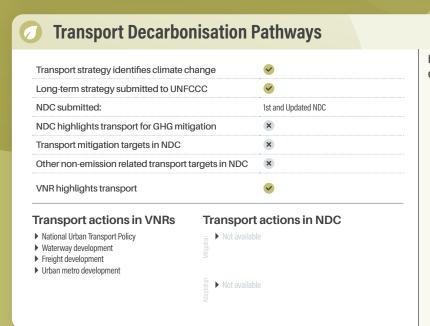


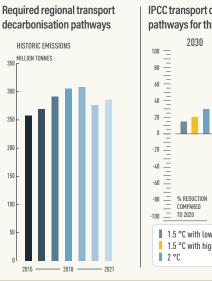


- Population size (2022):
- Urban population share (2022)



Transport Emission Trends Transport CO₂ emissions Per capita transport CO₂ Transport (2021) emissions (2021) is the third-286.2 million tonnes **0.20** tonnes largest CO, of national economy-wide producing Per capita transport CO2 emissions sector in emisisons come from transport the country LOW 0.53 0.83 0.54 Tonnes 6 Ġ











Integrated Transport Planning

National urban mobility framework (2022)	❖
Sustainable urban mobility plans (2022)	✓
Number of sustainable urban mobility plans (2022)	3 cities
Low emission zones (2022)	1 city

Walking

National walking strategies (2022)

66 Cycling

National walking strategies (2022) Cycling infrastructure in capital (2022) 36 km

Bus rapid transit (2022)	228 km in 9 cities
Bus rapid transit daily passenger volume (2022)	497 411
Urban rail (LRT, metro, tram) (2022)	Over 500 km in 13 cities
Rapid Transit to Resident Ratio (2021)	4.7

📕 Intercity Rail

Rail network (2021)	68 102.7 km
Rail travel activity (2021)	231126 million-passenger-km
Rail freight activity (2021)	719 762 million ton-km
High-speed rail (2021)	Not available
High-speed rail travel activity (2021)	Not available
National plans for passenger and freight rail expansion (2022)	✓



- ▶ To develop capacity, infrastructure and enhance rail freight share ahead of the demand.
- ▶ Develop capacity by 2030 that will cater to growing demand up to 2050

🔰 Road Transport

Total road vehicles in use per 1,000 people (2020)	32.7
Average annual growth rate (from 2015 to 2020)	9.60%

Aviation	
Air passengers carried (2020)	69 million people
Air freight activity (2020):	875.1 million ton-km
Carbon-accredited airports (2022)	8 airports
of which carbon neutral:	4 airports

Liner shipping connectivity index (2021): 58.9 Container port traffic (2020): 16 285 806 TEU

(i) Transport Energy Sources

3 , 111 111	
Biofuel blend mandate (2022)	0.07% Biodiesel, 10% Ethanol
Renewable energy (biofuels and electricity) share in transport (2020)	3.20%
Targeted % of renewable energy	5% biodiesel (for road transport) by 2030 and 20% ethanol by 2025

Vehicle Technologies

verlicte recilifotogies	
Emission standards for LDVs (2020)	Euro 6
CO ₂ emissions performance for passenger cars (2020)	121 gCO ₂ /km
Targeted CO₂ emissions performance	113 gCO ₂ /km by 2022
Regulatory environment ranking on used vehicles by UNEP (2021)	Banned
Electric vehicles (2022)	72 000
Share of electric vehicles in car sales (2022)	1.5%
ICE phase-out targets:	×

COVID-19

Strongest impact of COVID-19 on	(compared to pre-COVID-19 baseline)
trips to public transport	-73.0% Week of 5 April 2020
navigation request for walking	-75.4% Week of 12 April 2020
navigation request for driving	-82.8% Week of 12 April 2020
driven kilometres	Not available
Traditional transport infrastructure investment:	Not available
Clean transport infrastructure investment:	Not available
Possessian	

▶ Investments in electric buses and charging stations

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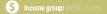
List of acronyms



Indonesia

While **Indonesia** was recording a strong growth of transport CO_2 emissions until 2019, the COVID-19 pandemic in 2020 and 2021 resulted in a emission decline of more than 10% in these two years. The per capita transport emissions in 2021 are close to the





Population size (2022):

Urban population share (2022)



29 068 million passenger-km

for rail and aviation in 2020





Freight transport activity

16 754

million ton-km for rail and aviation in 2020



Energy consumption (2020)

48.1

million tonnes of oil equivalent

Average light duty fuel economy consumption Lge/100 km (WLTP)

8.1

7.6%

88.2% Oil Products 11.8% **Biofuels**

Transport Emission Trends

>

Transport CO₂ emissions (2021)

135 million tonnes



Per capita transport CO₂ emissions (2021)

0.49 tonnes

Per capita transport CO2 emissions



Transport is the thirdlargest CO, producing sector in the country



Transport Decarbonisation Pathways

Transport strategy identifies climate change Long-term strategy submitted to UNFCCC V NDC submitted: 1st and Updated NDC V NDC highlights transport for GHG mitigation X Transport mitigation targets in NDC X Other non-emission related transport targets in NDC 2021 VNR with transport linkages to VNR highlights transport SDG 2, SDG 3, SDG 5, SDG 8, SDG 9, SDG 11 and SDG 13

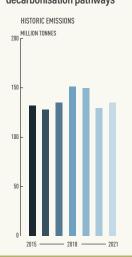
Transport actions in VNRs

- ▶ Improving transport links
- ▶ Enhancing the maritime sector's infrastructure
- ▶ Expanding access to remote areas
- ▶ Providing alternative multi-modal transport options ▶ Developing urban mobility and access to public transport

Transport actions in NDC

- ▶ Fuel quality improvements
 - ▶ LPG/CNG/LNG
- Adaptation and resilience of transport systems
- ▶ Education and Training
- ▶ Transport Planning

Required regional transport decarbonisation pathways



IPCC transport decarbonisation pathways for this region





🔛 Integrated Transport Planning National urban mobility framework (2022) Sustainable urban mobility plans (2022) Number of sustainable urban mobility plans 1 city (2022)Low emission zones (2022) Not available

Walking

Walking combined with cycling in active mobility National walking strategies (2022) planning

Targets

▶ Targets to be defined on local level

Cycling

Cycling combined with walking in active mobility National walking strategies (2022) planning

M Targets

▶ Targets to be defined on local level

Cycling infrastructure in capital (2022) 193.6 km of bicycle lanes

Shared Mobility, Public Transport and Informal Transport

Bus rapid transit (2022)	251 km in 1 city
Bus rapid transit daily passenger volume (2022)	46 467
Urban rail (LRT, metro, tram) (2022)	45 km in 2 cities
Rapid Transit to Resident Ratio (2021)	6.1

Intercity Rail

Rail network (2019)	5 483 km
Rail travel activity (2019)	29 066 million-passenger-km
Rail freight activity (2019)	15 573 million ton-km
High-speed rail (2021)	Not available
High-speed rail travel activity (2021)	Not available
National plans for passenger and freight rail expansion (2021)	✓



- ▶ 10,524 km national railways in 2030 including 3,755 km urban railways
- $\blacktriangleright\,$ Railway share to increase to 7-9% for passenger and 11-13% for freight transport

🔰 Road Transport

Total road vehicles in use per 1,000 people (2020)	77.7
Average annual growth rate (from 2015 to 2020)	4.90%

Aviation	
Air passengers carried (2020)	38 million people
Air freight activity (2020):	674.8 million ton-km
Carbon-accredited airports (2022)	1 airports
of which carbon neutral:	×

Shipping	
Liner shipping connectivity index (2021):	32.7
Container port traffic (2020):	14 025 449 TEU

Transport Energy Sources	
Biofuel blend mandate (2022)	35% Biodiesel, 5% Ethanol
Renewable energy (biofuels and electricity) share in transport (2020)	11.85%
Targeted % of renewable energy	40% biodiesel and 20% ethanol by 2025

Technologies	
Emission standards for LDVs (2020)	Euro 4
CO ₂ emissions performance for passenger cars (2017)	140 gCO ₂ /km
Targeted CO ₂ emissions performance	Not available
Regulatory environment ranking on used vehicles by UNEP (2021)	Banned
0 ,	Banned Not available
by UNEP (2021)	54.1104

COVID-19	
Strongest impact of COVID-19 on	(compared to pre-COVID-19 baseline)
trips to public transport	-62.1% Week of 3 May 2020
navigation request for walking	-68.9% Week of 26 April 2020
navigation request for driving	-59.7% Week of 26 April 2020
driven kilometres	-74.4% Week of 3 May 2020
Traditional transport infrastructure investment:	Not available
Clean transport infrastructure investment:	Not available

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List of acronyms



Iran





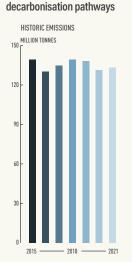
Population size (2022):

Urban population share (2022)









Required regional transport







🔛 Integrated Transport Planning

National urban mobility framework (2022)	Not available
Sustainable urban mobility plans (2022)	Not available
Number of sustainable urban mobility plans (2022)	Not available
Low emission zones (2022)	Not available

Walking

National walking strategies (2022)

🚲 Cycling

National walking strategies (2022) Cycling infrastructure in capital (2022) 550 km of separated bikelanes by 2024

Shared Mobility, Public Transport and Informal Transport

Bus rapid transit (2022)	165 km in 3 cities
Bus rapid transit daily passenger volume (2022)	2135 000
Urban rail (LRT, metro, tram) (2022)	134 km in 5 cities
Rapid Transit to Resident Ratio (2021)	9.3

📕 Intercity Rail

Rail network (2021)	9 455 km
Rail travel activity (2021)	11 231 million-passenger-km
Rail freight activity (2021)	32 920 million ton-km
High-speed rail (2021)	Not available
High-speed rail travel activity (2021)	Not available
National plans for passenger and freight rail expansion (2022)	✓



- ▶ By 2025, 5000 km railway network with approximately 6000 km double-tracked,
- ▶ Total capacity for passenger transport to be increased to 160 million,
- ▶ Carrying 220 million tons of cargo,
- ▶ Railway market share in cargo transport to be 30% and 18% for passenger transport

🔰 Road Transport

Total road vehicles in use per 1,000 people (2020)	182.9
Average annual growth rate (from 2015 to 2020)	2.50%

Air passengers carried (2020) 13 million people Air freight activity (2020): 202.1 million ton-km Carbon-accredited airports (2022) of which carbon neutral: X

Shipping	
Liner shipping connectivity index (2021):	31.1
Container port traffic (2020):	1.853.000 TELL

Transport Energy Sources	
Biofuel blend mandate (2022)	Not available
Renewable energy (biofuels and electricity) share in transport (2020)	Not available
Targeted % of renewable energy	Not available

Vehicle Technologies	
Emission standards for LDVs (2020)	Not available
CO ₂ emissions performance for passenger cars (2017)	140 gCO ₂ /km
Targeted CO ₂ emissions performance	Not available
Regulatory environment ranking on used vehicles by UNEP (2021)	Very good
0 ,	Very good Not available
by UNEP (2021)	

COVID-19	
Strongest impact of COVID-19 on	(compared to pre-COVID-19 baseline)
trips to public transport	Not available
navigation request for walking	Not available
navigation request for driving	Not available
driven kilometres	Not available
Traditional transport infrastructure investment:	Not available
Clean transport infrastructure investment:	Not available

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List of acronyms



Japan

Japan as a high-income country with a high HDI and most people living in urban population. The country intends to reduce transport CO_2 emissions by 27% below 2013 levels by 2030.

Transport is responsible for 17% of national CO₂ emissions thanks to the well-developed public transport system, extensive rail (incl. high-speed rail) and high vehicle emission standards. Electric vehicle uptake is still low due to a lack of phase-out targets.



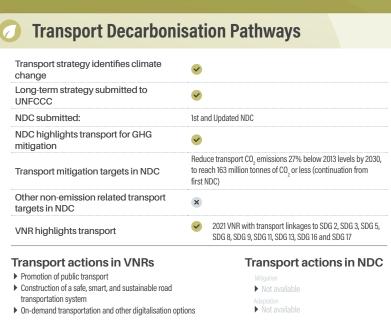


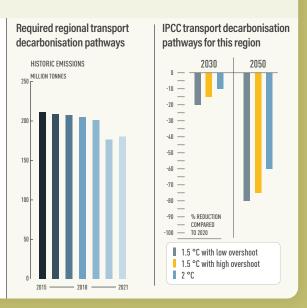
- Human Development Index (2021): 0.9
- Population size (2022): 124 278 310 -2.4% (2015 202
- urban population share (2022): 33% +x% (2015 2022)

 b GDP per capita (2021): 35 485.90 +1.68% (2015 2021)













National urban mobility framework (2022) Sustainable urban mobility plans (2022) No but Low Carbon City Act Number of sustainable urban mobility plans (2022)1 city Low emission zones (2022)

Walking	
	Walking

National walking strategies (2022)

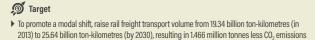
🦝 Cycling

National walking strategies (2022) Cycling infrastructure in capital (2022) 10 km of separated bikelanes

Bus rapid transit (2022)	29 km in 2 cities
Bus rapid transit daily passenger volume (2022)	9100
Urban rail (LRT, metro, tram) (2022)	Over 1,000 km in 30 cities
Rapid Transit to Resident Ratio (2021)	19.1

📕 Intercity Rail

Rail network (2011)	20 087 km
Rail travel activity (2020)	263 211 million-passenger-km
Rail freight activity (2020)	18 340 million ton-km
High-speed rail (2021)	2 849 km
High-speed rail travel activity (2021)	44 281 million passenger-km
National plans for passenger and freight rail expansion (2022)	€



Road Transport

Total road vehicles in use per 1,000 people (2020)	612.4
Average annual growth rate (from 2015 to 2020)	-0.20%

Air passengers carried (2020) 51 million people Air freight activity (2020): 7841.5 million ton-km Carbon-accredited airports (2022) 4 airports of which carbon neutral: 3 airports

Shipping	
Liner shipping connectivity index (2021):	69.7
Container port traffic (2020):	21 385 632 TELL

Transport Energy Sources	
Biofuel blend mandate (2022)	Not available
Renewable energy (biofuels and electricity) share in transport (2020)	3%
Targeted % of renewable energy	Not available

verlicte rechnologies	
Emission standards for LDVs (2020)	Euro 6
CO ₂ emissions performance for passenger cars (2018)	114.6 gCO ₂ /km
Targeted CO ₂ emissions performance	73.5 gCO ₂ /km by 2030
Regulatory environment ranking on used vehicles by UNEP (2021)	Not available
Electric vehicles (2022)	210 000
Share of electric vehicles in car sales (2022)	3%

COVID-19	
Strongest impact of COVID-19 on	(compared to pre-COVID-19 baseline)
trips to public transport	-56.7% Week of 10 May 2020
navigation request for walking	-37.5% Week of 26 April 2020
navigation request for driving	-29.6% Week of 26 April 2020
driven kilometres	Not available
Traditional transport infrastructure investment:	Not available
Clean transport infrastructure investment:	USD 0.14 billion
Examples • Local public transport support	

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ICE phase-out targets:

List of acronyms



Saudi Arabia

Saudi Arabia has with 3.68 tonnes a high level of per capita transport CO₂ emissions. Transport is completely fossil fuel-based and responsible for 22% of national CO₂ emissions.

The country's ambitions focus on public transport, vehicle efficiency and rail network expansion. There is no information on strategies in support of walking, cycling and vehicle electrification.



FRANSPORT, CLIMATE AND SUSTAINABILITY



\$ Income group: High-income

Human Development Index (2021): 0.87

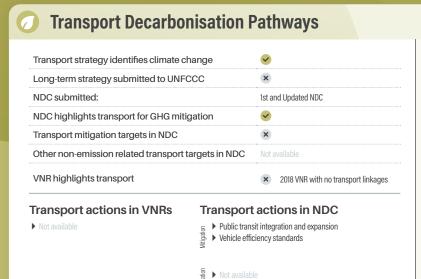
Population size (2022): 36 136 551 +11.4% (2015 - 202

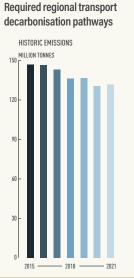
Urban population share (2022): 83.9% +15.5% (2015 - 202)

GDP per capita (2021): 18 79 3.26 -6.81% (2015 - 202











🔛 Integrated Transport Planning

National urban mobility framework (2022)	❖
Sustainable urban mobility plans (2022)	Not available
Number of sustainable urban mobility plans (2022)	Not available
Low emission zones (2022)	Not available

Walking

National walking strategies (2022)

66 Cycling

National walking strategies (2022) Cycling infrastructure in capital (2022)

Bus rapid transit (2022)	×
Bus rapid transit daily passenger volume (2022)	
Urban rail (LRT, metro, tram) (2022)	176 km in 1 city
Rapid Transit to Resident Ratio (2021)	0

📕 Intercity Rail

Rail network (2018)	2 639 km
Rail travel activity (2018)	134.65 million-passenger-km
Rail freight activity (2010)	1852.5 million ton-km
High-speed rail (2021)	Not available
High-speed rail travel activity (2021)	Not available
National plans for passenger and freight rail expansion (2022)	Yes under national transport strategy



- ▶ Efficiently and effectively connect the centers of economic activities of the Kingdom by developing strategic rail infrastructure
- ▶ Establish a high capacity and high quality railway connection between Dammam and Riyadh $which is \ integrated \ with \ other \ transport \ modes$
- ▶ Ensure safety on the railway network system
- ▶ Trigger public transport demand and support passenger railway transport by subsidies
- ▶ Reduce air pollution including minimizing energy consumption for railway services
- ▶ Maximize rail revenues from a variety of sources to reduce dependence on public funding

Road Transport

Total road vehicles in use per 1,000 people (2020)	Not available
Average annual growth rate (from 2015 to 2020)	Not available

* Aviation	
Air passengers carried (2020)	27.0 million people
Air freight activity (2020):	649.3 million ton-km
Carbon-accredited airports (2022)	1 airport
of which carbon neutral:	×

Shipping	
Liner shipping connectivity index (2021):	69.5
Container port traffic (2020):	9 394 100 TEU

(iii) Transport Energy Sources	
Biofuel blend mandate (2022)	Not available
Renewable energy (biofuels and electricity) share in transport (2020)	Not available
Targeted % of renewable energy	Not available

Emission standards for LDVs (2020)	Not available
CO ₂ emissions performance for passenger cars (2018)	140 gCO ₂ /km
Targeted CO ₂ emissions performance	59 gCO ₂ /km by 2030
Regulatory environment ranking on used vehicles by UNEP (2021)	Good
Electric vehicles (2022)	Not available
Share of electric vehicles in car sales (2022)	Not available

Vehicle Technologies

ICE phase-out targets:

 ★ COVID-19	
Strongest impact of COVID-19 on	(compared to pre-COVID-19 baseline)
trips to public transport	-82.4% Week of 19 April 2020
navigation request for walking	-52.5% Week of 26 April 2020
navigation request for driving	-60.9% Week of 26 April 2020
driven kilometres	Not available
Traditional transport infrastructure investment:	Not available
Clean transport infrastructure investment:	Not available

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List of acronyms

yms
Gross-domestic product
Heavy-duty vehicle
Internal combustion engine
Light-duty vehicle
Light-tail transit
Nationally determined contribution
Twenty-foot Equivalent Unit
United Nations Environment Programme
United Nations Framework Convention on Climate Change
Voluntary national review of the Sustainable Developiment
Goals

Goals
Worldwide harmonised light vehicles test procedure



France

France is one of the few countries that achieved an absolute reduction of transport CO₂ emissions from 2015 to 2019. Nevertheless, transport is the country's largest CO₂-emitting sector. Freight seems to have recorded above-average growth during the COVID-19 pandemic in 2020. It is still highly dependent on road modes (85% of all freight activity).

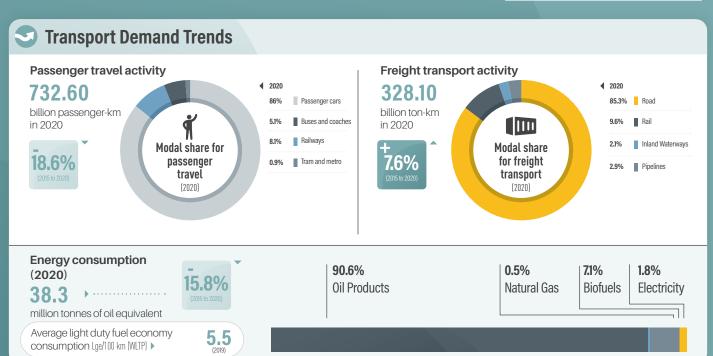
The plans identified in the previous edition are still the main strategies. COVID-19 recovery investments provide with USD 2.1 billion a significant shift towards clean transport investments. Besides the EU Green Deal (which is not covered here), France has released a new active mobility strategy and new rail improvement plans. Every fifth car bought in 2022 was a battery-electric vehicle.

TRANSPORT, CLIMATE
AND SUSTAINABILITY
GLOBAL STATUS REPORT

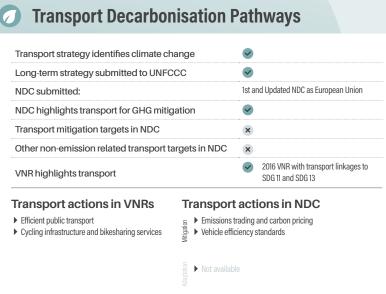
S Income group: High-income

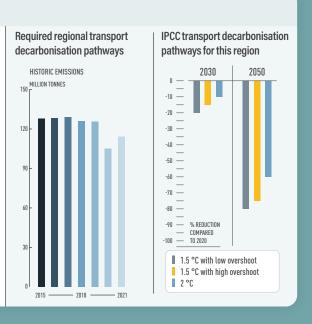
Population size (2022): 64 560 542 +1.3% (

(d) Urban population share (2022): 83.6% +5.1% (2015-2022)
(d) GDP per capita (2021): 39.985.59 +4.45% (2015-2022)













18 cities

Walking

Low emission zones (2022)

National walking strategies (2022) Covered under active mobility plan

🚲 Cycling

National walking strategies (2022)



S Targets

- ▶ Make cycling an attractive alternative to private car trips;
- ▶ Make cycling a lever for France's economy;
- ▶ Make cycling accessible to everyone at all ages.

Cycling infrastructure in capital (2022) 1,000 km of separated bikelanes

Shared Mobility, Public Transport and Informal Transport

Bus rapid transit (2022)	386 km in 23 cities
Bus rapid transit daily passenger volume (2022)	1735119
Urban rail (LRT, metro, tram) (2022)	Over 586 km in 30 cities
Rapid Transit to Resident Ratio (2021)	66.9

📕 Intercity Rail

Rail network (2021)	27716.0 km
Rail travel activity (2021)	86853.0 million-passenger-km
Rail freight activity (2021)	35751.3 million ton-km
High-speed rail (2021)	3276 km
High-speed rail travel activity (2021)	47704 million passenger-km
National plans for passenger and freight rail expansion (2022)	•



▶ France to invest EUR 100 billion in upgrades of rail services by 2040

🔰 Road Transport

Total road vehicles in use per 1,000 people (2020)	704.4
Average annual growth rate (from 2015 to 2020)	0.90%

Aviation Air passengers carried (2020) 25.0 million people Air freight activity (2020): 2467.9 million ton-km Carbon-accredited airports (2022) 46 airports of which carbon neutral: 5 airports

Shipping	
Liner shipping connectivity index (2021):	74.3
Container port traffic (2020):	5 107 857 TEU

(1) Transport Energy Sources	
Biofuel blend mandate (2022)	8.4% Biodiesel, 9.2% Ethanol
Renewable energy (biofuels and electricity) share in transport (2020)	8.90%
Targeted % of renewable energy	15% biofuels in motor fuel by 2030

Vehicle Technologies

Share of electric vehicles in car sales (2022)

ICE phase-out targets:

Emission standards for LDVs (2020)	Euro 6
CO₂ emissions performance for passenger cars (2020)	109 gCO ₂ /km
Targeted CO ₂ emissions performance	0 gCO ₂ /km by 2035
Regulatory environment ranking on used vehicles by UNEP (2021)	Not available
Electric vehicles (2022)	620 000

2040 (but EU is 2035)

COVID-19	
Strongest impact of COVID-19 on	(compared to pre-COVID-19 baseline)
trips to public transport	-83.4% Week of 29 March 2020
navigation request for walking	-85.6% Week of 5 April 2020
navigation request for driving	-79.1% Week of 29 March 2020
driven kilometres	-86.3% Week of 29 March 2020
Traditional transport infrastructure investment:	USD 5.56 billion
Clean transport infrastructure investment:	USD 2.09 billion
Fyamnles	

- Biking subsidies
- ▶ Funds to accelerate current transport infrastructure projects
- ▶ Biking and public transport support
- ▶ Improved connectivity and quality of rail network

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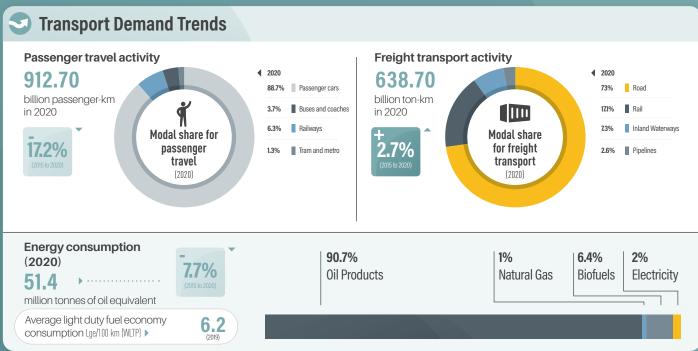
Germany

in 2020 and 2021 on passenger travel activity and transport CO_2 emissions, there are very few changes in Germany's ambition on sustainable transport. Transport is still the second largest CO_2 -emitting

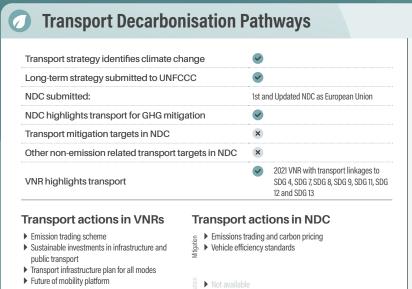
areas, such as sustainable urban mobility plans, walking and cycling strategies, public transport and rail investments. However, since the previous edition in 2021, there were no major updates in the ambition. As an high-income country, Germany has to reduce transport CO₂ emissions from now and achieve a

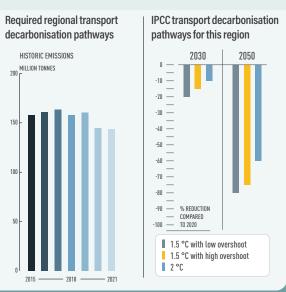














🔛 Integrated Transport Planning

Sustainable urban mobility plans (2022)

Number of sustainable urban mobility plans (2022)

National urban mobility framework (2022)

Low emission zones (2022)

107 cities 77 cities

Walking

National walking strategies (2022)

V



▶ Increase foot traffic and implement shorter distances

Cycling

National walking strategies (2022)





- ▶ 60% of citizens to cycle more in future
- ▶ Decrease the number of cyclists killed in traffic by 40% (compared to 2019 levels)

Cycling infrastructure in capital (2022)

620 km of separated bikelanes

Shared Mobility, Public Transport and Informal Transport

Bus rapid transit (2022)	31 km in 2 cities
Bus rapid transit daily passenger volume (2022)	42 000
Urban rail (LRT, metro, tram) (2022)	Over 2 200 km in 62 cities
Rapid Transit to Resident Ratio (2021)	87.9

📕 Intercity Rail

Rail network (2021)	33401.0 km
Rail travel activity (2020)	58822 million-passenger-km
Rail freight activity (2021)	123067.0 million ton-km
High-speed rail (2021)	1104 km
High-speed rail travel activity (2021)	19572 million passenger-km
National plans for passenger and freight rail expansion (2022)	•



▶ modernising and maintaining as well as building and expanding the rail network

🔰 Road Transport

Total road vehicles in use per 1,000 people (2020)	627.3
Average annual growth rate (from 2015 to 2020)	1.50%

Aviation Air passengers carried (2020) 26.0 million people Air freight activity (2020): 5454.6 million ton-km Carbon-accredited airports (2022) 5 airports 1 airport of which carbon neutral:

Shipping	
Liner shipping connectivity index (2021):	85.1
Container port traffic (2020):	18 028 702 TEU

Transport Energy Sources	
Biofuel blend mandate (2022)	4.4% Biodiesel, 2.8% Ethanol
Renewable energy (biofuels and electricity) share in transport (2020)	8.40%
Targeted % of renewable energy	at least 2.6% ishould be advanced biofuels by 2030; 2% e-kerosene in aviation by 2030

Vehicle Technologies	
Emission standards for LDVs (2020)	Euro 6
CO ₂ emissions performance for passenger cars (2020)	109 gCO ₂ /km
Targeted CO ₂ emissions performance	0 gCO ₂ /km by 2035
Regulatory environment ranking on used vehicles by UNEP (2021)	Not available
Electric vehicles (2022)	1000000
Share of electric vehicles in car sales (2022)	31%
ICE phase-out targets:	No (but EU by 2035)

(compared to pre-COVID-19 baseline)
-58.0% Week of 3 January 2021
-54.2% Week of 29 March 2020
-53.9% Week of 29 March 2020
-71.1% Week of 29 March 2020
Not available
USD 2.79 billion

- ▶ Public transport infrastructure and service support
- ▶ Federal regulation for public transport compensation

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Italy

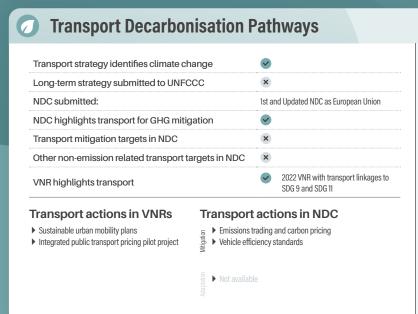
Italy has recorded a stagnation in transport CO₂ emissions from 2015 to 2019 and the per capita emissions in 2021 are slightly below the regional average. The COVID-19 pandemic in 2020 led to a decline of nearly 20% in transport CO₂ emissions in 2020. However, the emissions already started to rebound in 2021.

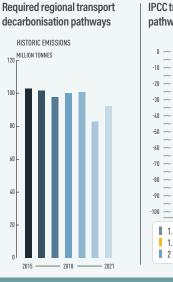
Italy showed already in the previous edition strong planning frameworks managing the urban transport demand. Since then a new inter-city rail plan and a new national cycling strategy were implemented. The strategies did not yet lead to a substantial increase in initiatives

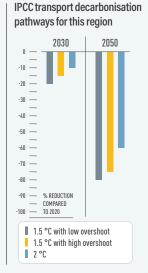














🔛 Integrated Transport Planning Required for every city above 100,000 National urban mobility framework (2022) population Sustainable urban mobility plans (2022) Number of sustainable urban mobility plans 123 cities (2022)Low emission zones (2022) 180 cities

Walking

National walking strategies (2022)

🚲 Cycling

National walking strategies (2022)





- ▶ To construct 565 km of cycling paths in urban areas
- ▶ To strengthen connections between railway stations and universities by June 2026

Cycling infrastructure in capital (2022)

254 km

Shared Mobility, Public Transport and Informal Transport

Bus rapid transit (2022)	×
Bus rapid transit daily passenger volume (2022)	Not available
Urban rail (LRT, metro, tram) (2022)	289 km in 16 cities
Rapid Transit to Resident Ratio (2021)	11.5

📕 Intercity Rail

Rail network (1989)	17305.2 km
Rail travel activity (2021)	27693.0 million-passenger-km
Rail freight activity (2021)	24262.0 million ton-km
High-speed rail (2021)	909 km
High-speed rail travel activity (2021)	7800 million passenger-km
National plans for passenger and freight rail expansion (2022)	•



- To invest more than EUR 190 billion from 2022 to 2031 in the improvement of rail services
- ▶ To double the share of freight transport by rail
- ▶ To increase renewable energy supply to 40% of energy needs

Road Transport

Total road vehicles in use per 1,000 people (2020)	756.3
Average annual growth rate (from 2015 to 2020)	1.30%

Aviation Air passengers carried (2020) 7.8 million people Air freight activity (2020): 978.8 million ton-km Carbon-accredited airports (2022) 15 airports of which carbon neutral: 7 airports

Shipping	
Liner shipping connectivity index (2021):	76.3
Container port traffic (2020):	9 800 000 TEU

Transport Energy Sources	
Biofuel blend mandate (2022)	10% overall mandate
Renewable energy (biofuels and electricity) share in transport (2020)	7.60%
Targeted % of renewable energy	8% advanced biofuels by 2030

Vehicle Technologies

Emission standards for LDVs (2020)	Euro 6
CO ₂ emissions performance for passenger cars (2020)	109 gCO ₂ /km
Targeted CO ₂ emissions performance	0 gCO ₂ /km by 2035
Regulatory environment ranking on used vehicles by UNEP (2021)	Not available
Electric vehicles (2022)	170 000
Share of electric vehicles in car sales (2022)	9.0%
ICE phase-out targets:	No but EU by 2035

 ⊗ COVID-19	
Strongest impact of COVID-19 on	(compared to pre-COVID-19 baseline)
trips to public transport	-82.6% Week of 29 March 2020
navigation request for walking	-83.1% Week of 29 March 2020
navigation request for driving	-86.8% Week of 29 March 2020
driven kilometres	-90.1% Week of 5 April 2020
Traditional transport infrastructure investment:	Not available
Clean transport infrastructure investment:	USD 0.24 billion

Examples

- ▶ Funding to support transport activities
- Incentives for the purchase of a new car
- ▶ Incentive for purchase of new bike or electric scooter for urban residents

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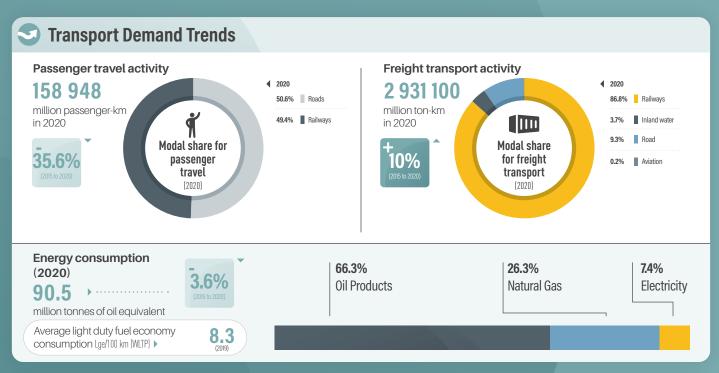


Russia

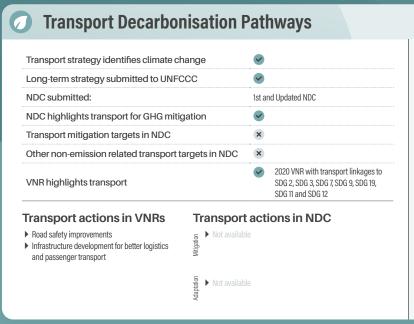
Russia has maintained transport CO₂ emissions at a constant level since 2010 and even through the COVID-19 pandemic in 2020 and 2021. While there was a clear decrease in passener activity, freight activity continued to grow from 2015 to 2020. Transport is only the third-largest CO₂-producing source in Russia and per capita.

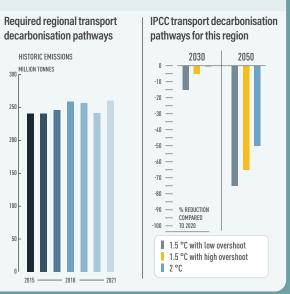
There were no new measures identified in this edition and the current ambition on transport is not sufficient enough to meet the required pathways. Russia's updated NDC lacks transport mitigation measures and their long-term strategy features many measures that still require fossil fuels.















Walking

National walking strategies (2022)

66 Cycling

National walking strategies (2022) Cycling infrastructure in capital (2022) 850 km of bikelanes

Shared Mobility, Public Transport and Informal Transport

Bus rapid transit (2022)	Not available
Bus rapid transit daily passenger volume (2022)	Not available
Urban rail (LRT, metro, tram) (2022)	Over 730 km in 59 cities
Rapid Transit to Resident Ratio (2021)	15.8

📕 Intercity Rail

Rail network (1989)	85544.0 km
Rail travel activity (2021)	103447.0 million-passenger-km
Rail freight activity (2021)	2638562.0 million ton-km
High-speed rail (2021)	Not available km
High-speed rail travel activity (2021)	4606.6 million passenger-km
National plans for passenger and freight rail expansion (2022)	●



- ▶ To increase freight shipments by 500–800 million tonnes by 2030
- ▶ To prioritise 'green' technologies and ensure a 50% reduction in the environmental burden

🔰 Road Transport

Total road vehicles in use per 1,000 people (2020)	389.2
Average annual growth rate (from 2015 to 2020)	2%

Aviation	
Air passengers carried (2020)	62 million people
Air freight activity (2020):	4314.6 million ton-km
Carbon-accredited airports (2022)	×
of which carbon neutral:	*

Shipping	
Liner shipping connectivity index (2021):	31.7
Container port traffic (2020):	4 871 919 TEU

Transport Energy Sources	
Biofuel blend mandate (2022)	Not available
Renewable energy (biofuels and electricity) share in transport (2020)	7.40%
Targeted % of renewable energy	Not available

Vehicle Technologies	
Emission standards for LDVs (2020)	Euro 5
CO ₂ emissions performance for passenger cars (2020)	Not available
Targeted CO ₂ emissions performance	Not available
Regulatory environment ranking on used vehicles by UNEP (2021)	Good
0 ,	Good Not available
by UNEP (2021)	

® COVID-19	
Strongest impact of COVID-19 on	(compared to pre-COVID-19 baseline)
trips to public transport	-54.3% Week of 5 April 2020
navigation request for walking	-60.8% Week of 5 April 2020
navigation request for driving	-50.0% Week of 5 April 2020
driven kilometres	-63.60% Week of 8 May 2022
Traditional transport infrastructure investment:	Not available
Clean transport infrastructure investment:	Not available

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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-food Equivalent Unit
UNEP United Nations Framework Convention on Climate Change
UNIFOCC United Nations Framework Convention on Climate Change
VNR Woluntary national review of the Sustainable Development
Goals Goals
Worldwide harmonised light vehicles test procedure



United Kingdom

The UK recorded a decrease in transport CO_2 emissions from 2017 to 2019 before the COVID-19 pandemic had significant impacts in 2020 and 2021. As of 2021, transport is the largest CO_2 -producing sector in the country.

As shown in the previous edition, the UK continues to accelerate ambition on promoting public transport, walking, and cycling in cities, as well as inter-city railway services. New investment strategies and integrated plans were developed for these modes. The phase out of fossil fuel cars was also brought forward from 2040 to 2035 (and 2030 according to some sources). One in four new vehicles sold in 2022 was battery-electric.



TRANSPORT, CLIMATE AND SUSTAINABILITY GLOBAL STATUS REPORT



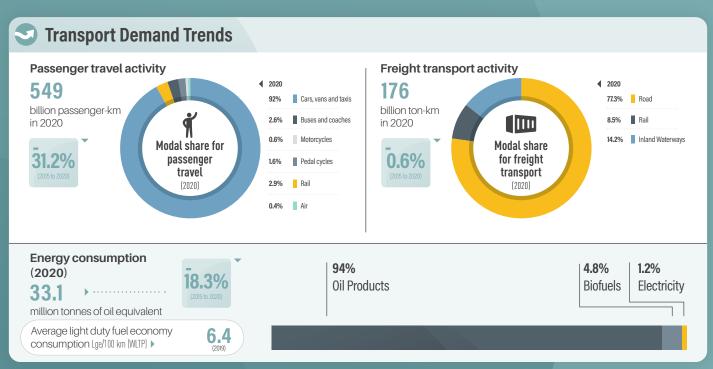


Human Development Index (2021):

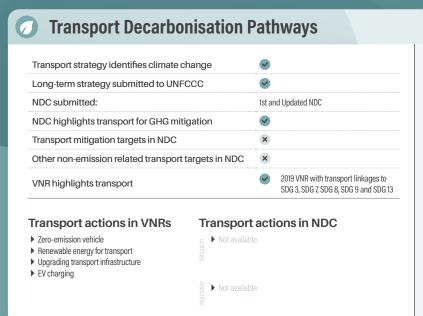
Population size (2022): 67 394 305 +3.7% (2015 - 20

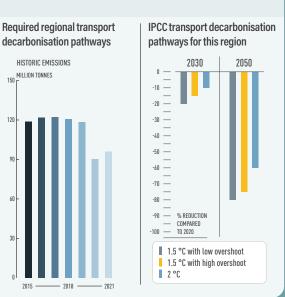
Urban population share (2022): 85.2% +6.3% (2015 - 202

(2015 - 202) **GDP per capita (2021):** 46 318.35 **+1.84%** (2015 - 202)



Transport Emission Trends Transport CO₂ emissions Per capita transport CO₂ Transport (2021) emissions (2021) is the 95.8 million tonnes **1.43** tonnes largest CO₂ of national economy-wide producing Per capita transport CO2 emissions sector in from transport the country 83 1.58 LOW 2.79 1.43 00









🔛 Integrated Transport Planning

National urban mobility framework (2022) Sustainable urban mobility plans (2022) Number of sustainable urban mobility plans 103 cities (2022)

Low emission zones (2022)	21 cities

Walking

National walking strategies (2022)





- \blacktriangleright increase the percentage of short journeys in towns and cities that are walked or cycled from 41% in 2018 to 2019 to 46% in 2025
- ▶ increase walking activity, where walking activity is measured as the total number of walking stages per person per year, to 365 stages per person per year in 2025
- \blacktriangleright increase the percentage of children aged 5 to 10 who usually walk to school from 49% in 2014 to 55% in 2025

🐱 Cycling

National walking strategies (2022)





▶ double cycling from 0.8 billion stages in 2013 to 1.6 billion stages in 2025

Cycling infrastructure in capital (2022) 2 000 km

Shared Mobility, Public Transport and **Informal Transport**

Bus rapid transit (2022)	135 km in 7 cities
Bus rapid transit daily passenger volume (2022)	101 559
Urban rail (LRT, metro, tram) (2022)	Over 818 km in 10 cities
Rapid Transit to Resident Ratio (2021)	32.8

📕 Intercity Rail

Rail network (2021)	16178.6
Rail travel activity (2020)	24188.47
Rail freight activity (2020)	15212.1
High-speed rail (2021)	Not available
High-speed rail travel activity (2021)	Not available
National plans for passenger and freight rail	

expansion (2022)



S Target

- ▶ To invest GBP 96 billion for rail construction and upgrades
- To electrify 75% of all rail lines, allowing to remove diesel-only trains from the network by 2040

🔰 Road Transport

Total road vehicles in use per 1,000 people (2020)	632.3
Average annual growth rate (from 2015 to 2020)	2.10%

Aviation	
Air passengers carried (2020)	31.0 million people
Air freight activity (2020):	3675.2 million ton-km
Carbon-accredited airports (2022)	22 airports
of which carbon neutral:	8 airports

Shipping	
Liner shipping connectivity index (2021):	90.0
Container port traffic (2020):	869 2260 TEU

Transport Energy Sources	
Biofuel blend mandate (2022)	7% Biodiesel, 10% Ethanol
Renewable energy (biofuels and electricity) share in transport (2020)	6%
Targeted % of renewable energy	3.1% advanced biofuels by 2032

verlicle rechnologies	
Emission standards for LDVs (2020)	Euro 6
CO₂ emissions performance for passenger cars (2020)	Not available
Targeted CO ₂ emissions performance	Not available
Regulatory environment ranking on used vehicles by UNEP (2021)	Not available
Electric vehicles (2022)	550 000

Not available
550 000
23%
2035
(compared to pre-COVID-19 baseline)

Strongest impact of COVID-19 on	(compared to pre-COVID-19 baseline)
trips to public transport	-72.1% Week of 5 April 2020
navigation request for walking	-61.7% Week of 29 March 2020
navigation request for driving	-66.9% Week of 5 April 2020
driven kilometres	-75.4% Week of 12 April 2020
Traditional transport infrastructure investment:	USD 132.65 billion
Clean transport infrastructure investment:	USD 22.79 billion

- ▶ Support for infrastructure and regulatory changes to accommodate shift toward active transport
- ▶ Boost for the green road freight
- ▶ Transport network support
- ▶ Buses and trams safety and services fund

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yms
Gross-domestic product
Heavy-duty vehicle
Internal combustion engine
Light-duty vehicle
Light-tail transit
Nationally determined contribution
Twenty-foot Equivalent Unit
United Nations Environment Programme
United Nations Framework Convention on Climate Change
Voluntary national review of the Sustainable Developiment
Goals Goals Worldwide harmonised light vehicles test procedure



Argentina

Transport CO₂ emissions in **Argentina** increased nearly 5% from 2015 to 2021. In 2021, the country recorded per capita transport CO2 emissions above the regional and global average, at 1.07 tons. Transport is the largest CO₂ producing sector in the country, responsible for 26% of national CO2 emissions. Biofuels represented 6% of Argentina's transport energy

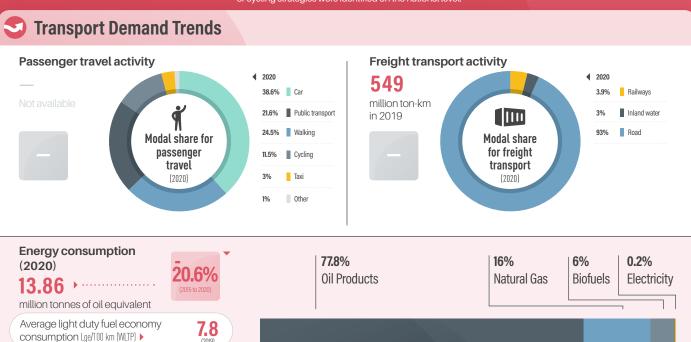
Since the last edition of Argentina's transport fact et, the country submitted a long-term strategy to the UNFCCC and a new VNR, both including transport references. The country also adopted a National Sustainable Transport Plan, focused on modernising the public transport system and promoting an energy transition. There are also plans to expand the coverage of passenger and freight rail service. However, no walking or cycling strategies were identified on the national level

SLOCAT

TRANSPORT, CLIMATE AND SUSTAINABILITY **GLOBAL STATUS REPORT**



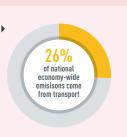
- \$ Income group: Middle
- Human Development Index (2021):
- Population size (2022): +5.5%
- Urban population share (2022): 94.
- GDP per capita (2021): -9.05%



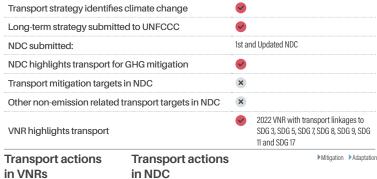
Transport Emission Trends

Transport CO₂ emissions Per capita transport CO₂ (2021) emissions (2021) **1.07** tonnes 48.5 million tonnes Per capita transport CO, emissions Q Global average Income group average Regional average Argentina average 0.53 6 0

Transport is the largest CO. producing sector in the country



Transport Decarbonisation Pathways



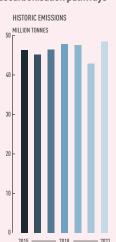
in VNRs

- ▶ Road safety measures
- ▶ Hvdrogen
- ► Transport energy efficency
- better logistics and cross-border activities
- ▶ Promotion of vehicles adapted for people ▶ Intelligent Transportation Program

- ▶ Renewal of road and rail infrastructure for
- with disabilities and reduced mobility
- - to rail or inland waterways ▶ General active mobility
 - ▶ General alternative fuels

 - ▶ General e-mobility General transport
 - planning Hydrogen
- ▶ Biofuels Improving load ▶ Freight transport shifting ▶ Intelligent transport
- systems ▶ LPG/CNG/LNG
 - ▶ Sustainable transport
 - capacity building ▶ Vehicle air pollution emission standards
 - ▶ Vehicle labelling
- Vehicle scrappage scheme
- Adaptation and resilience of transport systems
- Education and Training Design Standards and
- updates ▶ Repair & Maintenance
- Risk assessment

Required regional transport decarbonisation pathways



IPCC transport decarbonisation



Integrated Transport Planning National urban mobility framework (2022) Sustainable urban mobility plans (2022) Number of sustainable urban mobility plans 2 cities (2022)Low emission zones (2022) Not available

Walking

National walking strategies (2022)

65 Cycling

National walking strategies (2022) Cycling infrastructure in capital (2022) 300 km of separated bikelanes

Shared Mobility, Public Transport and **Informal Transport**

Bus rapid transit (2022)	122 km in 5 cities
Bus rapid transit daily passenger volume (2022)	1563 000
Urban rail (LRT, metro, tram) (2022)	74 km in 2 cities
Rapid Transit to Resident Ratio (2021)	6.1

Intercity Rail

Rail network (2019)	17 866 km
Rail travel activity (2017)	8 360.8 million-passenger-km
Rail freight activity (2017)	8 377 million ton-km
High-speed rail (2021)	Not available
High-speed rail travel activity (2021)	Not available
National plans for passenger and freight rail expansion (2022)	•



▶ Modernise and expand the rail network (including rail lines, stations and new rolling stock), reactivate former rail lines

🔰 Road Transport

Total road vehicles in use per 1,000 people (2020)	311.4
Average annual growth rate	0.40%

Aviation	
Air passengers carried (2020)	3.7 million people
Air freight activity (2020):	81.1 million ton-km
Carbon-accredited airports (2022)	1 airport
of which carbon neutral:	×

Shipping	
Liner shipping connectivity index (2021):	36
Container port traffic (2020):	1 990 008 TEU

Transport Energy Sources	
Biofuel blend mandate (2022)	8% Biodiesel, 12% Ethanol
Renewable energy (biofuels and electricity) share in transport (2020)	6.20%
Targeted % of renewable energy	Mandate cut to 5% biodiesel and 6% ethanol

Vehicle Technologies		
Emission standards for LDVs (2020)	Euro 5	
CO ₂ emissions performance for passenger cars (2020)	Not available	
Targeted CO ₂ emissions performance	Not available	
Regulatory environment ranking on used vehicles by UNEP (2021)	Banned	
	Banned Not available	
by UNEP (2021)		

 ® COVID-19	
Strongest impact of COVID-19 on	(compared to pre-COVID-19 baseline)
trips to public transport	-79.1% Week of 29 March 2020
navigation request for walking	-90.3% Week of 29 March 2020
navigation request for driving	-87.3% Week of 29 March 2020
driven kilometres	-93.1% Week of 29 March 2020
Traditional transport infrastructure investment:	USD 1.19 billion
Clean transport infrastructure investment:	USD 0.00282 billion
Examples Road work infrastructure investment in Buenos Aires	

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▶ Grant to shipyard ▶ Infrastructure investment

Worldwide harmonised light vehicles test procedure



Brazil

Transport is the largest CO_2 emitting sector in **Brazil**, contributing 38% of the total emissions in the country. The country however registered a 6% decrease in transport CO_2 emissions between 2015 and 2021 and per capita transport CO_2 emissions in 2021 were close to the regional average, at 0.88 tons.

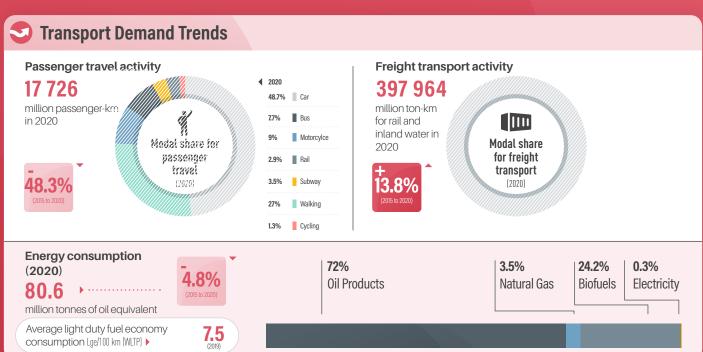
At the national level, transport policy is focused on supporting the use of biofuels in transport. Biofuels represented nearly a quarter of Brazil's transport energy consumption in 2020. The country also has plans to expand the rail network. Rio de Janeiro approved the creation of the first LEZ in Brazil, with the goal of having it partially operational by 2024 and fully operational by 2030.



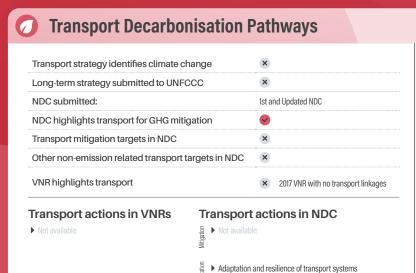
TRANSPORT, CLIMATE AND SUSTAINABILITY GLOBAL STATUS REPORT

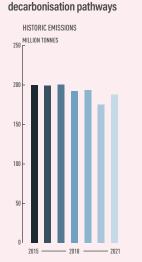


- \$ Income group: Middle-income
- Human Development Index (2021): 0.7
- Population size (2022): 214 824 774 +5.1% (2015 20
- Urban population share (2022): 88.3% +7.4% (2015 202
- **GDP per capita (2021):** 8 557.83 **-2.97%** (2015 20)

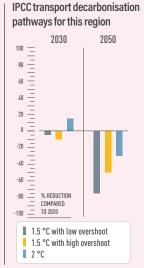








Required regional transport







🔛 Integrated Transport Planning

National urban mobility framework (2022) Sustainable urban mobility plans (2022) Number of sustainable urban mobility plans 343 cities (2022)Yes (First LEZ approved in 2022 for Rio de Janeiro, Low emission zones (2022) in preparation for 2024)

0	NAZA II dina ar
	Walking
w	_

National walking strategies (2022)

65 Cycling

National walking strategies (2022)



636 km



- ▶ To make cycling an efficient and healthy means of transport.
- \blacktriangleright Support local governments in the deployment of bicycle lanes, public bicycles and user support
- ▶ To promote the integration of the bicycle and public transport.

Cycling infrastructure in capital (2022)

Shared Mobility, Public Transport and Informal Transport

Bus rapid transit (2022)	883 km in 26 cities
Bus rapid transit daily passenger volume (2022)	10 752 147
Urban rail (LRT, metro, tram) (2022)	330 km in 9 cities
Rapid Transit to Resident Ratio (2021)	11.7

Intercity Rail

Rail network (2007)	32 622 km
Rail travel activity (2019)	16 486.4 million-passenger-km
Rail freight activity (2007)	9 393.5 million ton-km
High-speed rail (2021)	Not available
High-speed rail travel activity (2021)	Not available
National plans for passenger and freight rail expansion (2022)	€



▶ 3,300km and 10 new lines worth USD10.16 billion to be built

Road Transport

Total road vehicles in use per 1,000 people (2020)	214.5
Average annual growth rate (from 2015 to 2020)	1.40%

Air passengers carried (2020)	45.0 million people
Air freight activity (2020):	1 209.7 million ton-km
Carbon-accredited airports (2022)	5 airports
of which carbon neutral:	×

Shipping	
Liner shipping connectivity index (2021):	39.7
Container port traffic (2020):	10 376 571 TEU

Transport Energy Sources		
Biofuel blend mandate (2022)	10% Biodiesel, 27% Ethanol	
Renewable energy (biofuels and electricity) share in transport (2020)	24.40%	
Targeted % of renewable energy	30% biodiesel by 2030, 10% biokerosene in aviation by 2030	

Vehicle Technologies		
Emission standards for LDVs (2020)	Euro 5	
CO ₂ emissions performance for passenger cars (2017)	138.3 gCO ₂ /km	
Targeted CO₂ emissions performance	127.8 gCO ₂ /km by 2022	
Regulatory environment ranking on used vehicles by UNEP (2021)	Banned	
Electric vehicles (2022)	13 000	
Share of electric vehicles in car sales (2022)	1.0%	
ICE phase-out targets:	×	

 ® COVID-19	
Strongest impact of COVID-19 on	(compared to pre-COVID-19 baseline)
trips to public transport	-61.0% Week of 29 March 2020
navigation request for walking	-71.9% Week of 29 March 2020
navigation request for driving	-63.2% Week of 29 March 2020
driven kilometres	-67.7% Week of 29 March 2020
Traditional transport infrastructure investment:	Not available
Clean transport infrastructure investment:	Not available

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Data in this fact sheet is based on the Energy and Transport Starter Data Kits by the Climate Compatible Growth (CCG) programme. SLOCAT is contributing transport data to the Energy and Transport Starter Data Kits; synthesising available data on passenger and freight activity, energy intensity, load factors and vehicle fleets for Africa, Asia and Latin America. For more information, please visit climatecompatible growth.com/starter-kits/.

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



Chile

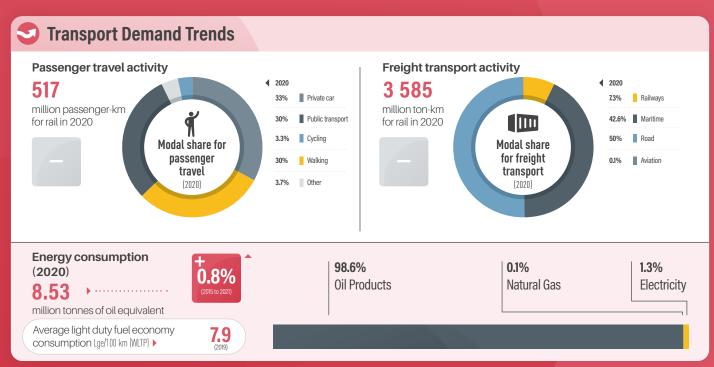
A third of **Chile's** CO_2 emissions come from the transport sector, with transport being the second-largest CO_2 producing sector in the country. Transport CO_2 emissions in Chile increased more than 5% from 2015 to 2021. In 2021, the country recorded per capita transport CO_2 emissions well above the regional and global average, at 1.37 tons.

Since the last edition of Chile's transport fact sheet, the country launched its National Sustainable Mobility Strategy, establishing a vision and objectives for urban mobility by 2050 and recommending measures for cities to generate their own locally aligned strategies. There are also plans to expand the coverage of passenger and freight rail service. However, no walking or cycling strategies were identified on the national level.

TRANSPORT, CLIMATE
AND SUSTAINABILITY
GLOBAL STATUS REPORT



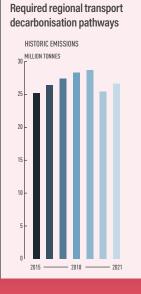
- \$ Income group: High-income
- Human Development Index (2021): 0.8
- Population size (2022): 19 592 428 +10.2% (2015 20
- Urban population share (2022): 84.1% +6.1% (2015 2022)
- (2015 202 **GDP per capita (2021):** 14 188.19 **+4.02%** (2015 202

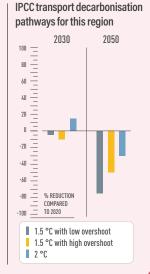


Transport Emission Trends Transport CO₂ emissions Per capita transport CO₂ Transport is (2021) emissions (2021) the second-26.6 million tonnes **1.37** tonnes largest CO₂ of national economy-wide producing Per capita transport CO2 emissions sector in from transport the country 0.85 1.37 2.79

Transport Decarbonisation Pathways Transport strategy identifies climate change Long-term strategy submitted to UNFCCC X NDC submitted: 1st and Updated NDC **V** NDC highlights transport for GHG mitigation X Transport mitigation targets in NDC X Other non-emission related transport targets in NDC 2019 VNR with transport linkages to VNR highlights transport SDG 9 and SDG 13 Transport actions in VNRs **Transport actions in NDC** ▶ Green bonds for transport Cycling measures ▶ Maritime transport legislation ▶ General e-mobility ▶ General public transport improvement ▶ Hydrogen ▶ Use of renewable energy

▶ Not available







Integrated Transport Planning National urban mobility framework (2022) Sustainable urban mobility plans (2022) Number of sustainable urban mobility plans (2022) Low emission zones (2022)

Walking

National walking strategies (2022) Not available

Cycling

National walking strategies (2022)

Cycling infrastructure in capital (2022)

430 km of bikelanes

Shared Mobility, Public Transport and Informal Transport

Bus rapid transit (2022)	105 km in 2 cities
Bus rapid transit daily passenger volume (2022)	476 800
Urban rail (LRT, metro, tram) (2022)	180 km in 2 cities
Rapid Transit to Resident Ratio (2021)	29.5

Intercity Rail

Rail network (2021)	2396 km
Rail travel activity (2021)	738 million-passenger-km
Rail freight activity (2020)	3585.5 million ton-km
High-speed rail (2021)	Not available
High-speed rail travel activity (2021)	Not available
National plans for passenger and freight rail expansion (2022)	❷



 By 2030, connect Valparaíso and Santiago the Chile with a 1.5 hour long train for passenger and freight.

Road Transport

Total road vehicles in use per 1,000 people (2020)	246.1
Average annual growth rate (from 2015 to 2020)	1.30%

→ Aviation	
Air passengers carried (2020)	8.0 million people
Air freight activity (2020):	1458.4 million ton-km
Carbon-accredited airports (2022)	1 airport
of which carbon neutral:	×

Shipping	
Liner shipping connectivity index (2021):	36.3
Container port traffic (2020):	4 192 000 TEU

(iii) Transport Energy Sources	
Biofuel blend mandate (2022)	Not available
Renewable energy (biofuels and electricity) share in transport (2020)	1.30%
Targeted % of renewable energy	Not available

Vehicle Technologies	
Emission standards for LDVs (2020)	Euro 5
CO ₂ emissions performance for passenger cars (2020)	156.6 gCO ₂ /km
Targeted CO ₂ emissions performance	80.7 gCO ₂ /km by 2030
Regulatory environment ranking on used vehicles by UNEP (2021)	Banned
Electric vehicles (2022)	1700
Share of electric vehicles in car sales (2022)	0.5%
ICF phase-out targets:	Yes. 2035

COVID-19	
Strongest impact of COVID-19 on	(compared to pre-COVID-19 baseline)
trips to public transport	-67.3% Week of 24 May 2020
navigation request for walking	-80.1% Week of 5 April 2020
navigation request for driving	-71.0% Week of 29 March 2020
driven kilometres	-77.9% Week of 12 April 2020
Traditional transport infrastructure investment:	USD 0.078 billion
Clean transport infrastructure investment:	Not available
Examples • Green transport	

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ist of acronyms

GDP Gross-domestic product
HBV Heavy-druly which in
LDV Light-druly which
LRT Light-druly which
LRT Light-rail transit
NDC Nationally determined contribution
TEU Whenly-foot Equivalent Unit
UNEPC United Nations Environment Programme
UniForcia United Nations Environment Programme
UniForcia United Nations Environment Via
Voluntary national review of the Sustainable Developin
Goals
WLIP Worldwide harmonised light whiches test procedure



Colombia

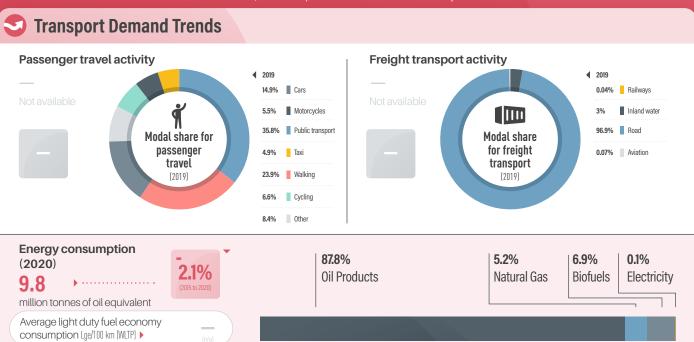
Transport CO₂ emissions in Colombia increased nearly 16% from 2015 to 2021. Transport i the largest CO2-emitting sector in the country, responsible for 41% of national CO2 emissions. In 2021, the country recorded per capita transport CO₂ emissions of 0.62 tons, below the regional average. Biofuels represented 7% of Colombia's transport energy consumption in 2020.

Since the last edition of Colombia's transport fact sheet, the country submitted a new VNR including trans linkages to nine SDGs. The country also adopted the National Strategy of Active Mobility with a Gender and Differential Approach, which provides guidelines for local governments to promote walking and cycling, consider the needs of people with reduced mobility and disabilities, and promote gender equality. At the local level, Medellin implemented the first LEZ in the country.



TRANSPORT, CLIMATE AND SUSTAINABILITY **GLOBAL STATUS REPORT**

- \$ Income group: Middle
- Human Development Index (2021):
- Population size (2022):
- Urban population share (2022):
- **GDP** per capita (2021): +2.99%



Transport Emission Trends Transport CO₂ emissions Per capita transport CO₂ Transport (2021) emissions (2021) is the 31.9 million tonnes **0.62** tonnes largest CO. of national economy-wide producing Per capita transport CO, emissions sector in from transport the country 0.53 Tonnes SO

Transport Decarbonisation Pathways Transport strategy identifies climate change X Long-term strategy submitted to UNFCCC 1st and Updated NDC NDC submitted: NDC highlights transport for GHG mitigation Transport mitigation targets in NDC Other non-emission related transport targets in NDC Target of 600,000 electric vehicles by 2030 2021 VNR with transport linkages to VNR highlights transport SDG 3, SDG 4, SDG 7, SDG 8, SDG 9, SDG 10, SDG 11, SDG 12 and SDG 13 ► Mitigation ► Adaptation

in VNRs

- ▶ Vehicle air pollution emission standards
- ▶ Electric bus promotion
- ▶ Increase public transport mode share

Transport actions Transport actions in NDC

- Cycling measures
- Development density or
- intensiveness
- EV charging infrastructure
- ▶ EV purchase incentives
- Freight transport shifting to rail or inland waterways
- General aviation improvements
- General economic instruments
- General e-mobility
- General freight efficiency
- improvements General infrastructure improvements
- General vehicle improvements Mixed use
- ▶ Vehicle air pollution emission standards
- Early warning system
- **Education and Training**
- Monitoring
- Notification system
- ▶ Risk assessment Transport Planning

Vehicle efficiency standards

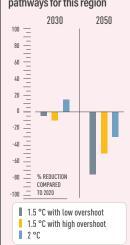
Required regional transport

decarbonisation pathways

HISTORIC EMISSIONS

MILLION TONNES

IPCC transport decarbonisation pathways for this region





🔛 Integrated Transport Planning

National urban mobility framework (2022) Sustainable urban mobility plans (2022) Number of sustainable urban mobility plans 9 cities (2022)1 city Low emission zones (2022)

Walking

National walking strategies (2022) Yes, but combined with cycling as active mobility

S Targets

▶ Encourage active mobility with a gender and differential approach in line with the challenges of climate change and air quality.

Cycling Cycling

National walking strategies (2022) Yes, but combined with walking as active mobility

S Targets

▶ Same as for walking

Cycling infrastructure in capital (2022) 590 km

Shared Mobility, Public Transport and Informal Transport

Bus rapid transit (2022)	225 km in 7 cities
Bus rapid transit daily passenger volume (2022)	3 071 541
Urban rail (LRT, metro, tram) (2022)	31 km in 1 city
Rapid Transit to Resident Ratio (2021)	10.2

Intercity Rail

Rail network (1994)	1915 km
Rail travel activity (1990)	141 million-passenger-km
Rail freight activity (1994)	2216 million ton-km
High-speed rail (2021)	Not available
High-speed rail travel activity (2021)	Not available
National plans for passenger and freight rail expansion (2022)	Yes, for passenger rail

Target

▶ First metro line in Bogotá

💔 Road Transport

Total road vehicles in use per 1,000 people (2020)	111.1
Average annual growth rate (from 2015 to 2020)	1.20%

Aviation	
Air passengers carried (2020)	12 million people
Air freight activity (2020):	1496.6 million ton-km
Carbon-accredited airports (2022)	1 airport
of which carbon neutral:	×

Shipping

Liner shipping connectivity index (2021): 49.2 Container port traffic (2020): 4 480 900 TEU

Transport Energy Sources

Biofuel blend mandate (2022)	10% Biodiesel, 6% Ethanol
Renewable energy (biofuels and electricity) share in transport (2020)	7%
Targeted % of renewable energy	Not available

Vehicle Technologies

Emission standards for LDVs (2020)	Euro 2
CO₂ emissions performance for passenger cars (2020)	Not available
Targeted CO ₂ emissions performance	Not available
Regulatory environment ranking on used vehicles by UNEP (2021)	Banned
Electric vehicles (2022)	Not available
Share of electric vehicles in car sales (2022)	Not available
ICE phase-out targets:	Not available

COVID-19

Strongest impact of COVID-19 on	(compared to pre-COVID-19 baseline)
trips to public transport	-80.7% Week of 12 April 2020
navigation request for walking	-68.90% Week of 29 March 2020
navigation request for driving	-75.10% Week of 29 March 2020
driven kilometres	-86.4% Week of 12 April 2020
Traditional transport infrastructure investment:	Not available
Clean transport infrastructure investment:	Not available

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Worldwide harmonised light vehicles test procedure



Mexico

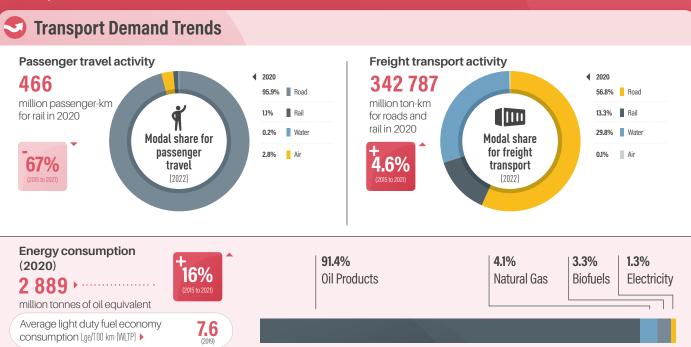
Mexico had the second highest transport CO₂ emissions among countries in Latin America and the Caribbean in 2021. Transport CO₂ emissions declined 20% from 2019 to 2021. The levels of road vehicles in use in Mexico are higher than the regional levels and the CO₂ emmissions performance for passenger cars is also worse than scarcity of statistical data about passenger and freight travel activity.

The country is in the process of expanding sustainable transport policies. The first sustainable urban mobility plans are being prepared. There are rail development plans to increase rail's share in land freight activity from 26.4% in 2021 to 40% within the next 50 years.

SLOCAT TRANSPORT, CLIMATE AND SUSTAINABILITY **GLOBAL STATUS REPORT**



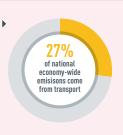
- \$ Income group: Middle
- Human Development Index (2021):
- Population size (2022): +6.3%
- Urban population share (2022):
- GDP per capita (2021): -2.75%



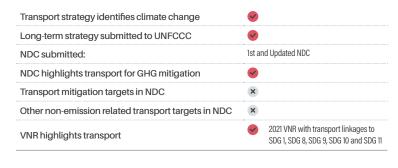
Transport Emission Trends

Transport CO₂ emissions Per capita transport CO₂ (2021) emissions (2021) 116.5 million tonnes **0.92** tonnes Per capita transport CO2 emissions 0.53 0.92 6

Transport is the largest CO₂ producing sector in the country



Transport Decarbonisation Pathways



Transport actions in VNRs

▶ Railway modernisation and expansion

- ▶ General e-mobility
- ▶ Public transport improvements

Transport actions in NDC

▶ Mitigation ▶ Adaptation

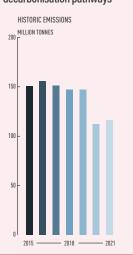
Vehicle efficiency improvements

▶ Transport Planning

System resilience

- ▶ Infrastructure improvements
- Alternative fuels
- ▶ Teleworking
- Sustainable Urban Mobility Plans

Required regional transport decarbonisation pathways



IPCC transport decarbonisation





🔛 Integrated Transport Planning National urban mobility framework (2022) Sustainable urban mobility plans (2022) Number of sustainable urban mobility plans In preparation for 2 cities (Guadalajara and Puebla) (2022)Low emission zones (2022) Not available

Walking

Only combined with cycling on subnational level as National walking strategies (2022) active mobility strategies

🚲 Cycling

Only combined with walking on subnational level National walking strategies (2022) as active mobility strategies Cycling infrastructure in capital (2022) 380.7 km

Shared Mobility, Public Transport and **Informal Transport**

Bus rapid transit (2022)	416 km in 12 cities
Bus rapid transit daily passenger volume (2022)	2 659 137
Urban rail (LRT, metro, tram) (2022)	289 km in 3 cities
Rapid Transit to Resident Ratio (2021)	11.3

Intercity Rail

Rail network (1994)	20477 km
Rail travel activity (2021)	466 million-passenger-km
Rail freight activity (2021)	92437 million ton-km
High-speed rail (2021)	Not available
High-speed rail travel activity (2021)	Not available
National plans for passenger and freight rail expansion (2022)	●



- ▶ Rail to grow from 26.4% to 40% of land freight activity
- ▶ Achieve a decarbonised rail system

Road Transport

Total road vehicles in use per 1,000 people (2020)	350
Average annual growth rate (from 2015 to 2020)	3.8%

Aviation	
Air passengers carried (2020)	34.0 million people
Air freight activity (2020):	732.8 million ton-km
Carbon-accredited airports (2022)	20 airports
of which carbon neutral:	×

Shipping	
Liner shipping connectivity index (2021):	47.3
Container port traffic (2020):	6 385 629 TEU

Transport Energy Sources	
Biofuel blend mandate (2022)	10% Ethanol
Renewable energy (biofuels and electricity) share in transport (2020)	4.50%
Targeted % of renewable energy	Not available

Emission standards for LDVs (2020)	Euro 4
CO₂ emissions performance for passenger cars (2020)	211.8 gCO ₂ /km
Targeted CO ₂ emissions performance	146.7 gCO ₂ /km
Regulatory environment ranking on used vehicles by UNEP (2021)	8
Electric vehicles (2022)	8 800

0.90%

X

Vehicle Technologies

Share of electric vehicles in car sales (2022)

ICE phase-out targets:

COVID-19	
Strongest impact of COVID-19 on	(compared to pre-COVID-19 baseline)
trips to public transport	-60.0% Week of 3 May 2020
navigation request for walking	-68.79% Week of 12 April 2020
navigation request for driving	-61.98% Week of 12 April 2020
driven kilometres	-67.3% Week of 12 April 2020
Traditional transport infrastructure investment:	USD 13.3 billion
Clean transport infrastructure investment:	Not available
Examples Cycling network improvements	

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Worldwide harmonised light vehicles test procedure



Peru

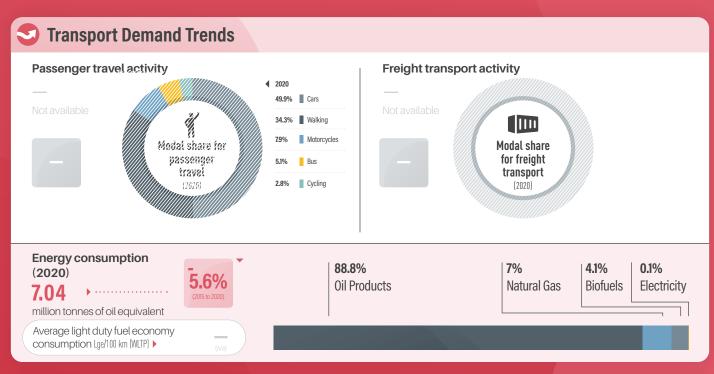
Transport is the largest CO_2 emitter in **Peru**, contributing 43% of the total emissions in the country. Transport CO_2 emissions increased nearly 13% from 2015 to 2021. In 2021, the country recorded per capita transport CO_2 emissions below the regional average, at 0.71 tons. Biofuels represented 4% of Peru's transport energy consumption in 2020. There is a general scarcity of statistical data about passenger and freight travel activity.

Since the last edition of Peru's transport fact sheet, and with support from international organizations, the country moved forward with the implementation of its National Urban Transport Policy and the development of Sustainable Urban Mobility Plans in several cities. The country also announced plans to improve the country's connectivity by expanding the rail network.

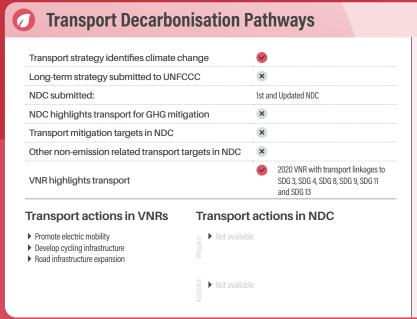


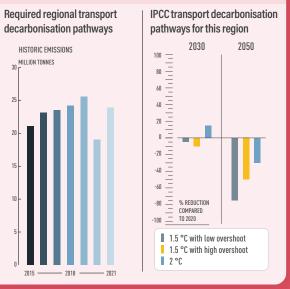
+4.11%

GDP per capita (2021):













Walking

National walking strategies (2022)

🦝 Cycling

National walking strategies (2022)





▶ To promote the safe use of the bicycle

Cycling infrastructure in capital (2022)

Shared Mobility, Public Transport and Informal Transport

Bus rapid transit (2022)	26 km in 1 city
Bus rapid transit daily passenger volume (2022)	704 803
Urban rail (LRT, metro, tram) (2022)	34 km in 1 city
Rapid Transit to Resident Ratio (2021)	3.9

Intercity Rail

Rail network (1998)	1639 km
Rail travel activity (1998)	127 million-passenger-km
Rail freight activity (1998)	599 million ton-km
High-speed rail (2021)	Not available
High-speed rail travel activity (2021)	Not available
National plans for passenger and freight rail expansion (2022)	•



▶ By 2030, connect the country with 4 railway lines

Road Transport

Total road vehicles in use per 1,000 people (2020)	88.4
Average annual growth rate (from 2015 to 2020)	3.80%

→ Aviation	
Air passengers carried (2020)	5.7 million people
Air freight activity (2020):	96.5 million ton-km
Carbon-accredited airports (2022)	3 airports
of which carbon neutral:	2 airports

Shipping Liner shipping connectivity index (2021): 40.4 Container port traffic (2020): 2 601 411 TEU

(iii) Transport Energy Sources	
Biofuel blend mandate (2022)	5% Biodiesel, 7.8% Ethanol
Renewable energy (biofuels and electricity) share in transport (2020)	4.30%
Targeted % of renewable energy	5% biodiesel by 2024

Vehicle Technologies

Emission standards for LDVs (2020)	Euro 6
CO ₂ emissions performance for passenger cars (2020)	Not available
Targeted CO ₂ emissions performance	Not available
Regulatory environment ranking on used vehicles by UNEP (2021)	Good
Electric vehicles (2022)	Not available
Share of electric vehicles in car sales (2022)	Not available
ICE phase-out targets:	×

Representation (Control of the Control of the Contr

Strongest impact of COVID-19 on	(compared to pre-COVID-19 baseline)
trips to public transport	-87.40% Week of 12 April 2020
navigation request for walking	Not available
navigation request for driving	Not available
driven kilometres	Not available
Traditional transport infrastructure investment:	USD 6.95 billion
Clean transport infrastructure investment:	USD 0.0011 billion

- ▶ Road maintenance
- ▶ Sanitation and road infrastructure projects
- ▶ Infrastructure funding to native communities
- ▶ Funds for bicycle lanes

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Worldwide harmonised light vehicles test procedure



Venezuela

Transport CO₂ emissions in **Venezuela** nearly halved from 2015 to 2021. In 2021, the country recorded per capita transport CO2 emissions of 0.90 tons, close to the regional average. Transport is completely fossil fuel-based and responsible for 24% of national CO₂ emissions. There is no information on passenger and freight travel activity.

enezuela submitted the 1st and updated NDC. Although the NDC highlights transport for GHG mitigation, there is no information on national urban mobility policies, sustainable urban mobility plans, nor strategies in support of walking and vehicle electrification. The country also submitted a VNR in 2016, without any reference to transport.



TRANSPORT, CLIMATE **GLOBAL STATUS REPORT**



- \$ Income group: Unclas
- Human Development Index (2021):
- Population size (2022):
- Urban population share (2022):
- GDP per capita (2021):



Transport Emission Trends Transport CO₂ emissions Per capita transport CO₂ Transport (2021) emissions (2021) is the third **0.90** tonnes **25.4** million tonnes largest CO₂ of national economy-wide producing Per capita transport CO2 emissions sector in from transport the country 0.53

× 2016 VNR with no transport linkages

▶ Ship efficiency improvements ▶ Support on-shore power and electric

charging facilities in ports

▶ Public transit integration and expansion

▶ Vehicle air pollution emission standards

Transport Decarbonisation Pathways Transport strategy identifies climate change X Long-term strategy submitted to UNFCCC NDC submitted: 1st and Updated NDC NDC highlights transport for GHG mitigation Transport mitigation targets in NDC X Other non-emission related transport targets in NDC X

Transport actions in VNRs

VNR highlights transport

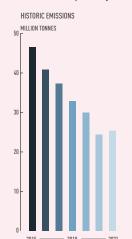
▶ Not available

Transport actions in NDC

- ▶ Aircraft fleet renovation
- ▶ Biofuels

- ▶ Fuel quality improvements
- ▶ General alternative fuels
- ▶ General public transport improvement General shipping improvement
- ▶ LPG/CNG/LNG

Required regional transport decarbonisation pathways



IPCC transport decarbonisation pathways for this region



Integrated Transport Planning

National urban mobility framework (2022)	Not available
Sustainable urban mobility plans (2022)	Not available
Number of sustainable urban mobility plans (2022)	Not available
Low emission zones (2022)	Not available

Walking

National walking strategies (2022)

Cycling

National walking strategies (2022)



M Targets

 \blacktriangleright To encourage, protect and regulate urban cycling throughout the country

Cycling infrastructure in capital (2022)

Shared Mobility, Public Transport and **Informal Transport**

Bus rapid transit (2022)	42 km in 3 cities
Bus rapid transit daily passenger volume (2022)	240 778
Urban rail (LRT, metro, tram) (2022)	78 km in 3 cities
Rapid Transit to Resident Ratio (2021)	3.1

Intercity Rail

Rail network (2006)	336 km
Rail travel activity (1995)	12 million-passenger-km
Rail freight activity (2006)	81.1 million ton-km
High-speed rail (2021)	Not available
High-speed rail travel activity (2021)	Not available
National plans for passenger and freight rail expansion (2022)	Yes, for passenger rail



▶ Investment of USD 150 million for the expansion and rehabilitation of the underground transport

🔰 Road Transport

Total road vehicles in use per 1,000 people (2020)	148.6
Average annual growth rate (from 2015 to 2020)	-1.30%

Aviation	
Air passengers carried (2020)	0.3 million people
Air freight activity (2020):	2.9 million ton-km
Carbon-accredited airports (2022)	2 airports
of which carbon neutral:	(*)

Shipping	
Liner shipping connectivity index (2021):	7.4
Container port traffic (2020):	168 757 TEU

Transport Energy Sources	
Biofuel blend mandate (2022)	Not available
Renewable energy (biofuels and electricity) share in transport (2020)	Not available
Targeted % of renewable energy	Not available

Vehicle Technologies

Emission standards for LDVs (2020)	Not available
CO ₂ emissions performance for passenger cars (2020)	Not available
Targeted CO ₂ emissions performance	Not available
Regulatory environment ranking on used vehicles by UNEP (2021)	Banned
Electric vehicles (2022)	Not available
Share of electric vehicles in car sales (2022)	Not available
ICE phase-out targets:	×

 ® COVID-19	
Strongest impact of COVID-19 on	(compared to pre-COVID-19 baseline)
trips to public transport	-65.6% Week of 12 April 2020
navigation request for walking	Not available
navigation request for driving	Not available
driven kilometres	Not available
Traditional transport infrastructure investment:	Not available
Clean transport infrastructure investment:	Not available

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Goals
Worldwide harmonised light vehicles test procedure



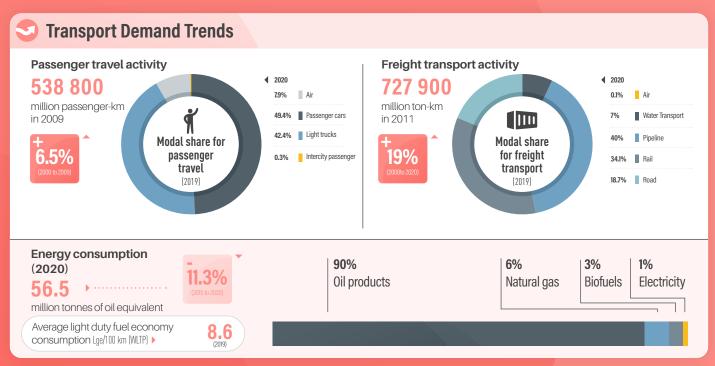
Canada

in 2020 and 2021, resulting in a 16% drop in transport CO₂ emissions. It is unclear how strong the impact on passenger and freight is due to a lack of recent data. The strongest impact was noticed for driven kilometres, which was 71% in April 2020 below pre

The country brought forward their ICE sales ban from 2040 to 2035. The updated NDC outlines various acti in support of this target. The electric vehicle stock also doubled since the previous edition of this report. In addition, the first national active transport strategy was **S**LOCAT



- GDP per capita (2021):







Transport actions in VNRs

▶ Urban mobility development

VNR highlights transport

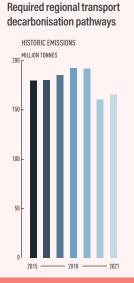
▶ Infrastructure development

Transport actions in NDC

- ▶ EV charging infrastructure
- ▶ EV purchase incentives
- ▶ Financial instruments to support decarbonisation

7 and SDG 8

- ▶ General active mobility
- ▶ General public transport improvement
- ICE (gasoline and diesel) bans
- ▶ Vehicle air pollution emission standards









🖺 Integrated Transport Planning

National urban mobility framework (2022)	Not available
Sustainable urban mobility plans (2022)	Not available
Number of sustainable urban mobility plans (2022)	Not available
Low emission zones (2022)	Not available

Walking

Only combined with cycling as active National walking strategies (2022) mobility strategy

S Targets

- ▶ Improve community connections and promote social equity amongst vulnerable Canadians
- ▶ Make travel by active transportation easier, more convenient and enjoyable, and enhance user safety and security
- $\blacktriangleright \ \ \text{Encourage people to choose active transportation over personal vehicles (including supporting}$
- walking and cycling to access transit)

 Contribute to long-term, sustainable, inclusive economic growth, while setting the foundation for achieving a more inclusive Canada and net-zero climate emissions by 2050
- ▶ Support the Canadian economy through a reduction in congestion, the creation of jobs and enhanced access via active transportation modes to businesses

🐱 Cycling

Cycling infrastructure in capital (2022)

National walking strategies (2022)	Only combined with walking as active mobility strategy
☐ Targets ► See above	

236 km of bikelanes

Shared Mobility, Public Transport and Informal Transport

Bus rapid transit (2022)	306 km in 7 cities
Bus rapid transit daily passenger volume (2022)	503 407
Urban rail (LRT, metro, tram) (2022)	242 km in 5 cities
Rapid Transit to Resident Ratio (2021)	19.6

📕 Intercity Rail

Rail network (2021)	48 149.9 km
Rail travel activity (2021)	536.0 million-passenger-km
Rail freight activity (2021)	430 170 million ton-km
High-speed rail (2021)	Not available
High-speed rail travel activity (2021)	Not available
National plans for passenger and freight rail expansion (2022)	⋖



▶ Improve rail system efficiency, long-term investments and better access

🔰 Road Transport

Total road vehicles in use per 1,000 people (2020)	707
Average annual growth rate (from 2015 to 2020)	2.90%

Aviation Air passengers carried (2020) 28 million people Air freight activity (2020): 2306.2 million ton-km Carbon-accredited airports (2022) 20 airports

Shipping	
Liner shipping connectivity index (2021):	48.8
Container port traffic (2022)	6 196 600 TELL

2 airports

Transport Energy Sources

of which carbon neutral:

Biofuel blend mandate (2022)	2% Biodiesel, 5% Ethanol
Renewable energy (biofuels and electricity) share in transport (2020)	4.60%
Targeted % of renewable energy	Not available

Vehicle Technologies

Emission standards for LDVs (2020)	Euro 6
CO ₂ emissions performance for passenger cars (2021)	112.1 gCO ₂ /km
Targeted CO ₂ emissions performance	76.3 gCO ₂ /km by 2026
Regulatory environment ranking on used vehicles by UNEP (2021)	Not available
Electric vehicles (2022)	250 000
Share of electric vehicles in car sales (2022)	9.4%
ICE phase-out targets:	2035

COVID-19

Strongest impact of COVID-19 on	(compared to pre-COVID-19 baseline)
trips to public transport	-68.3% Week of 12 April 2020
navigation request for walking	-53.8% Week of 5 April 2020
navigation request for driving	-54.3% Week of 5 April 2020
driven kilometres	-71.0% Week of 12 April 2020
Traditional transport infrastructure investment:	USD 1.68 billion
Clean transport infrastructure investment:	USD 1.36 billion

- ▶ Energy Efficient Transportation Support
- ▶ Support for charging and refueling stations
- ▶ Local public transport support (Oakville)
- ▶ Infrastructure investments

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List of acronyms

ryms
Gross-domestic product
Heavy-duty vehicle
Internal combustion engine
Light-duty vehicle
Light-duty whiche
Light-tall transit
Nationally determined contribution
Twenty-foot Equivalent Unit
United Nations Environment Programme
United Nations Farmework Convention on Climate Change
Voluntary national review of the Sustainable Development
Goals Goals Worldwide harmonised light vehicles test procedure



United States of America

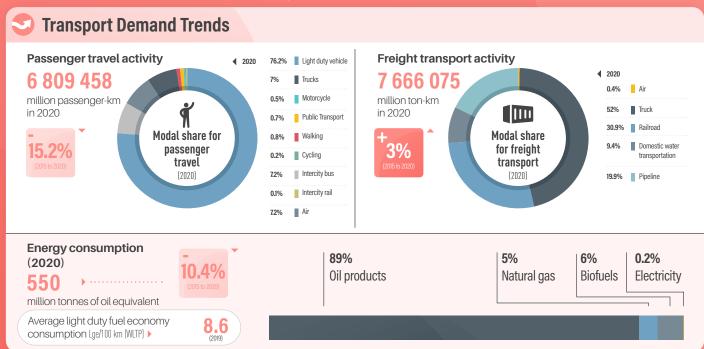
SLOCAT



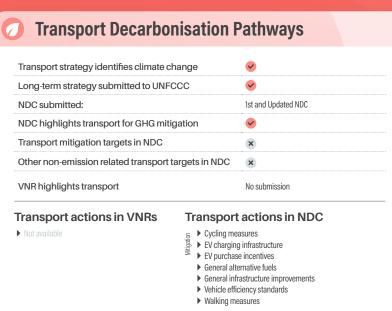
The US remains to be the largest national transport per capita emissions. Transport is the largest CO₂-emitting sector in the US. The growth showed signs of stagnation in 2018 and 2019. Freight contined to

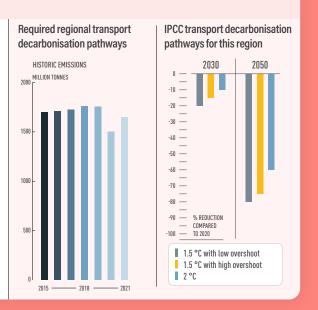
transport etc.). However, these activities are not yet sufficient to drastically shift to an emission decrease electrification and public transport shares are relatively weak compared to the needed efforts.















🔛 Integrated Transport Planning

National urban mobility framework (2022)	Not available
Sustainable urban mobility plans (2022)	Not available
Number of sustainable urban mobility plans (2022)	Not available
Low emission zones (2022)	Not available

Walking

Only summarised as walking and cycling strategy National walking strategies (2022) in national plan

S Targets

▶ Increase of trips by public transport and active transport from roughly 4% to 6% by 2026

Cycling

Only summarised as walking and cycling strategy National walking strategies (2022) in national plan

S Targets

▶ Increase of trips by public transport and active transport from roughly 4% to 6% by 2026

Cycling infrastructure in capital (2022) 167 km of separated bikelanes

Shared Mobility, Public Transport and Informal Transport

Bus rapid transit (2022)	438 km in 15 cities
Bus rapid transit daily passenger volume (2022)	502 389
Urban rail (LRT, metro, tram) (2022)	2377 km in 41 cities
Rapid Transit to Resident Ratio (2021)	15.2

Intercity Rail

Rail network (2021)	148 553 km
Rail travel activity (2020)	12 460 million-passenger-km
Rail freight activity (2021)	2 239 400.7 million ton-km
High-speed rail (2021)	Not available
High-speed rail travel activity (2021)	Not available
National plans for passenger and freight rail expansion (2022)	Yes

Road Transport

Total road vehicles in use per 1,000 people (2020)	860.4
Average annual growth rate (from 2015 to 2020)	1.80%

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WLTP

Gross-domestic product
Heavy-duty vehicle
Internal combustion engine

Internation controls upon engine
Light-duty vehicle
Light-rail transit
Nationally determined contribution
Twenty-foot Equivalent Unit
United Nations Framework Convention on Climate Change
Voluntary national review of the Sustainable Developiment
Foals VNR

Worldwide harmonised light vehicles test procedure

Aviation

Air passengers carried (2020)	370 million people
Air freight activity (2020):	40793.1 million ton-km
Carbon-accredited airports (2022)	31 airports
of which carbon neutral:	4 airports

Shipping

Liner shipping connectivity index (2021):	102.6
Container port traffic (2022):	54 963 689 TEU

Transport Energy Sources

Biofuel blend mandate (2022)	Subnational between 2 to 20% biodiesel, 2 to 20% ethanol
Renewable energy (biofuels and electricity) share in transport (2020)	6.40%
Targeted % of renewable energy	15% by 2030 and 30% biofuels in transport by 2050

Vehicle Technologies

Emission standards for LDVs (2020)	Euro 6
CO ₂ emissions performance for passenger cars (2020)	128.4 gCO ₂ /km
Targeted CO ₂ emissions performance	79.2 gCO ₂ /km by 2026
Regulatory environment ranking on used vehicles by UNEP (2021)	Not available
Electric vehicles (2022)	2 100 000
Share of electric vehicles in car sales (2022)	7.7%
ICE phase-out targets:	No, but subnational level 2035

Representation (Control of the Control of the Contr

Strongest impact of COVID-19 on	(compared to pre-COVID-19 baseline)
trips to public transport	-52.40% Week of 12 April 2020
navigation request for walking	-54.30% Week of 29 March 2020
navigation request for driving	-46.60% Week of 5 April 2020
driven kilometres	-65.70% Week of 12 April 2020
Traditional transport infrastructure investment:	USD 393.11 billion
Clean transport infrastructure investment:	USD 222.63 billion

Examples

- ▶ Nationally significant freight and highway projects
- ▶ Safe routes to school
- ▶ Active transportation infrastructure investment program
- ▶ Federal-state parternship for intercity passenger rail grants
- ▶ Bus facilities and low/no-emission grants



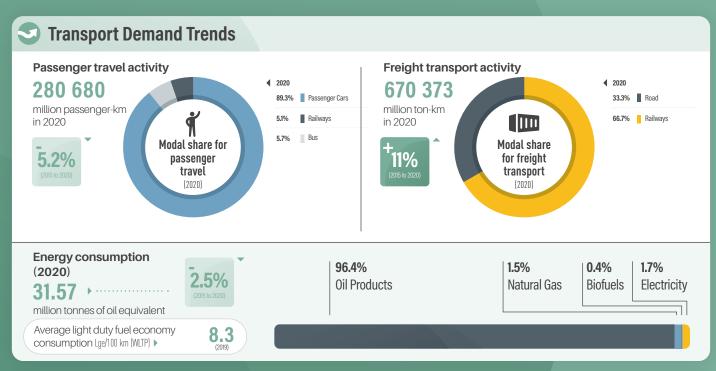
Australia

Australia remains the largest emitter of transport CO emissions in the Oceania region. Before the COVID-19 pandemic, transport CO_2 emissions were on the way to surpass 100 million tonnes in 2020, but the lockdowns reduced annual transport emissions to 83 million tonnes CO_2 . Freight transport activity continued to grow, over 10% from 2015 to 2020.

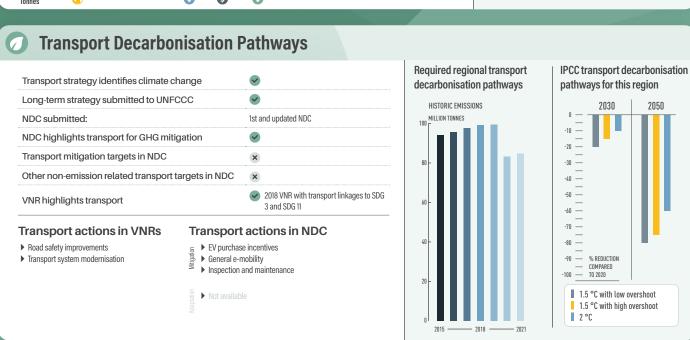
As a high-income country with high levels of per capita transport CO₂ emissions, Australia needs to decarbonise transport until 2050. However, since the second edition there were few achievements in the major transport policy areas. The main activities continue to happen on the subnational level. There is no phase-out target for fossil fuel vehicle sales and a lack of support mechanisms for sustainable urban mobility.

SLOCAT GLOBAL STATUS REPORT

Population size (2022): Urban population share (2022): GDP per capita (2021):



Transport Emission Trends Transport CO₂ emissions Per capita transport CO₂ Transport is (2021) emissions (2021) 10% the second-**84.7** million tonnes **3.28** tonnes largest CO₂ of national producing economy-wide Per capita transport CO2 emissions sector in from transport the country LOW 2.79 Ó Ó



2050





🖺 Integrated Transport Planning

National urban mobility framework (2022)	•
Sustainable urban mobility plans (2022)	Not available
Number of sustainable urban mobility plans (2022)	Not available
Low emission zones (2022)	Not available

Walking

National walking strategies (2022) Only on subnational level

Targets
Example of Queensland:

- ▶ Planning for walkable communities and places
- ▶ Building connected, comfortable and safe walking environments for all
- ▶ Encouraging more people to walk as part of their 'everyday'
- ▶ Working together to deliver for walking



National walking strategies (2022) Only on subnational level

Targets
Example of South Australia:

▶ Objectives on inclusive cycling, accessibility, integration with land use planning and cycle tourism

Cycling infrastructure in capital (2022)

Shared Mobility, Public Transport and Informal Transport

Bus rapid transit (2022)	90 km in 3 cities
Bus rapid transit daily passenger volume (2022)	413 300
Urban rail (LRT, metro, tram) (2022)	622 km in 7 cities
Rapid Transit to Resident Ratio (2021)	11.2

📗 Intercity Rail

Rail network (1989)	7147 km
Rail travel activity (2021)	9327.6 million-passenger-km
Rail freight activity (2021)	453 091 million ton-km
High-speed rail (2021)	Not available
High-speed rail travel activity (2021)	Not available
National plans for passenger and freight rail expansion (2022)	•



▶ Inland Rail Project to upgrade 1,100 km and build 600 km new tracks

Road Transport

Total road vehicles in use per 1,000 people (2020)	737.2
Average annual growth rate (from 2015 to 2020)	1.90%

Aviation Air passengers carried (2020) 24 million people Air freight activity (2020): 1200.6 million ton-km Carbon-accredited airports (2022) 13 airports of which carbon neutral: 1 airport

Shipping Liner shipping connectivity index (2021): Container port traffic (2020): 8 656 995 TEU

Transport Energy Sources	
Biofuel blend mandate (2022)	Not available
Renewable energy (biofuels and electricity) share in transport (2020)	2.10%
Targeted % of renewable energy	Not available

Vehicle Technologie

ICE phase-out targets:

Vernote recrimotogies	
Emission standards for LDVs (2020)	Euro 6
CO ₂ emissions performance for passenger cars (2020)	Not available
Targeted CO ₂ emissions performance	Not available
Regulatory environment ranking on used vehicles by UNEP (2021)	Not available
Electric vehicles (2022)	67 000
Share of electric vehicles in car sales (2022)	5.1%

 ® COVID-19	
Strongest impact of COVID-19 on	(compared to pre-COVID-19 baseline)
trips to public transport	-63.70% Week of 12 April 2020
navigation request for walking	-61.20% Week of 12 April 2020
navigation request for driving	-57.80% Week of 12 April 2020
driven kilometres	-53.60% Week of 12 April 2020
Traditional transport infrastructure investment:	USD 18.14 billion
Clean transport infrastructure investment:	USD 5.12 billion
Examples Supporting infrastructure Infrastructure Investment — road safety and upgrad	es

This fact sheet is part of the SLOCAT Transport, Climate and Sustainability Global Status Report 3rd Edition. Information shown in this country fact sheet is based on desk research and might not be complete or not show the most recent status. The data has been collected to the best knowledge and availability. If no information was able to be retrieved, then 'Not available' is being indicated. The content does not represent the opinion of the SLOCAT Partnership on Sustainable, Low Carbon Transport. For more

yms
Gross-domestic product
Heavy-duty vehicle
Internal combustion engine
Light-duty vehicle
Light-tail transit
Nationally determined contribution
Twenty-foot Equivalent Unit
United Nations Environment Programme
United Nations Framework Convention on Climate Change
Voluntary national review of the Sustainable Developiment
Goals



New Zealand

New Zealand's transport $\mathrm{CO_2}$ emissions increased by 12.4% from 2015 to 2019, due to constant increases in passenger and freight activity. As of 2021, transport continues to be the largest $\mathrm{CO_2}$ -emitting sector in the country.

The previous edition pointed to the newly released long-term vision of becoming carbon-neutral by 2050. This ambition was translated to transport, resulting in strategies to promote walking and cycling, improve rail services and support the transition to electric vehicles.

TRANSPORT, CLIMATE
AND SUSTAINABILITY
GLOBAL STATUS REPORT



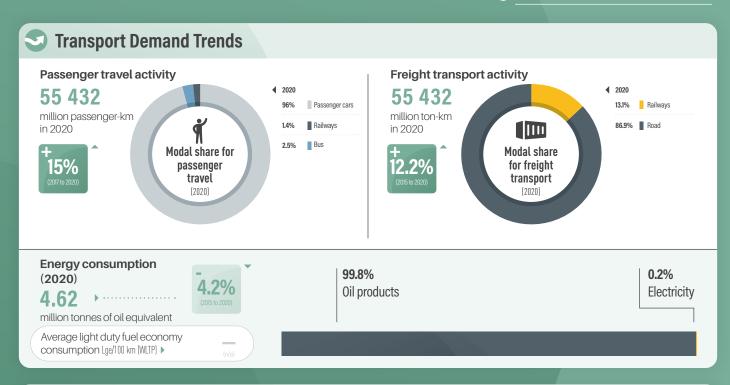
\$ Income group: High-income

Human Development Index (2021): 0.

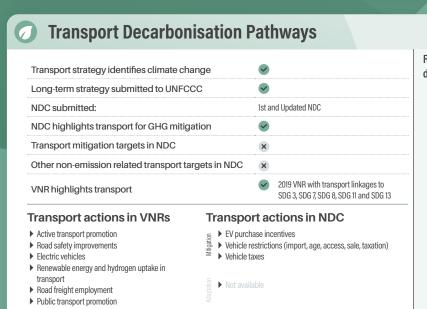
Population size (2022): 5 163 684 +13.4% (2015 - 20)

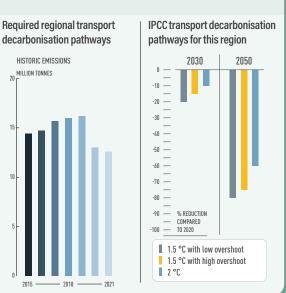
urban population share (2022): 82.7% +7.2% (2015 - 202

GDP per capita (2021): 40 993.66 +4.8% (2015 - 2021



Transport Emission Trends Transport CO₂ emissions Per capita transport CO₂ Transport (2021) emissions (2021) is the **2.48** tonnes **12.6** million tonnes largest CO₂ of national economy-wide producing Per capita transport CO2 emissions sector in from transport the country LOW 2.48 2.79







🔛 Integrated Transport Planning National urban mobility framework (2022) Sustainable urban mobility plans (2022) Number of sustainable urban mobility plans 5 cities (2022)Low emission zones (2022)

Walking

Only summarised as walking and cycling strategy National walking strategies (2022) in national plan

Targets

▶ NZD 1 billion in walking and cycling improvements

🐱 Cycling

Only summarised as walking and cycling strategy National walking strategies (2022) in national plan

M Targets

▶ NZD1 billion in walking and cycling improvements

Cycling infrastructure in capital (2022) 23 km of bikelanes

Shared Mobility, Public Transport and Informal Transport

Bus rapid transit (2022)	6 km in 1 city
Bus rapid transit daily passenger volume (2022)	22 900
Urban rail (LRT, metro, tram) (2022)	192 km in 2 cities
Rapid Transit to Resident Ratio (2021)	3.9

Intercity Rail

Rail network (1998)	3 908 km
Rail travel activity (2020)	802 million-passenger-km
Rail freight activity (2021)	4 444 million ton-km
High-speed rail (2021)	Not available
High-speed rail travel activity (2021)	Not available
National plans for passenger and freight rail expansion (2022)	•



- ▶ Establishing a new long-term planning and funding framework
- ▶ Develop a resilient and reliable rail network

Road Transport

Total road vehicles in use per 1,000 people (2020)	869.2
Average annual growth rate (from 2015 to 2020)	3.50%

Aviation	
Air passengers carried (2020)	8.5 million people
Air freight activity (2020):	774 million ton-km
Carbon-accredited airports (2022)	4 airports
of which carbon neutral:	1 airport

Shipping	
Liner shipping connectivity index (2021):	30.5
Container port traffic (2020):	3 174 304 TEU

Transport Energy Sources	
Biofuel blend mandate (2022)	7% Biodiesel
Renewable energy (biofuels and electricity) share in transport (2020)	0.20%
Targeted % of renewable energy	30% of biofules by 2050

Vehicle Technologies	
Emission standards for LDVs (2020)	Euro 4
CO₂ emissions performance for passenger cars (2021)	158.8 gCO ₂ /km
Targeted CO ₂ emissions performance	62.7 gCO ₂ /km by 2027
Regulatory environment ranking on used vehicles by UNEP (2021)	Good
Electric vehicles (2022)	46 000
Share of electric vehicles in car sales (2022)	13.0%
ICE phase-out targets:	×

COVID-19	
Strongest impact of COVID-19 on	(compared to pre-COVID-19 baseline)
trips to public transport	-86.30% Week of 19 April 2020
navigation request for walking	-78.40% Week of 19 April 2020
navigation request for driving	-85% Week of 12 April 2020
driven kilometres	Not available
Traditional transport infrastructure investment:	Not available
Clean transport infrastructure investment:	Not available

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Voluntary national review of the Sustainable Developiment
Goals Goals Worldwide harmonised light vehicles test procedure

