

Chile



A third of **Chile's** CO₂ emissions come from the transport sector, with transport being the second-largest CO₂ producing sector in the country. Transport CO₂ emissions in Chile increased more than 5% from 2015 to 2021. In 2021, the country recorded per capita transport CO₂ 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.

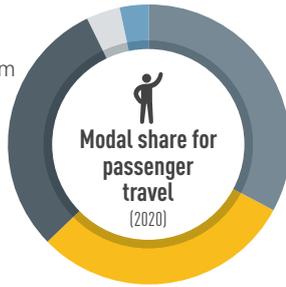
Income group	High-income
Human Development Index (2021)	0.855
Population size (2022)	19 592 428 +10.2% (2015 - 2022)
Urban population share (2022)	84.1% +6.1% (2015 - 2022)
GDP per capita (2021)	14 188.19 +4.02% (2015 - 2021)

Transport Demand Trends

Passenger travel activity

517

million passenger-km for rail in 2020

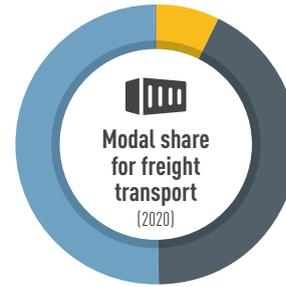


- 2020
- 33% Private car
- 30% Public transport
- 3.3% Cycling
- 30% Walking
- 3.7% Other

Freight transport activity

3 585

million ton-km for rail in 2020



- 2020
- 73% Railways
- 42.6% Maritime
- 50% Road
- 0.1% Aviation

Energy consumption (2020)

8.53

million tonnes of oil equivalent

Average light duty fuel economy consumption Lge/100 km (WLTP) **7.9** (2019)



98.6% Oil Products

0.1% Natural Gas

1.3% Electricity

Transport Emission Trends

Transport CO₂ emissions (2021)

26.6 million tonnes



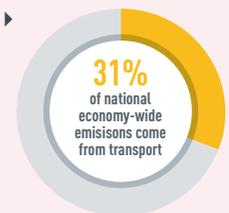
Per capita transport CO₂ emissions (2021)

1.37 tonnes

Per capita transport CO₂ emissions



Transport is the **second-largest** CO₂ producing sector in the country



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	✓
Transport mitigation targets in NDC	✗
Other non-emission related transport targets in NDC	✗
VNR highlights transport	✓ 2019 VNR with transport linkages to SDG 9 and SDG 13

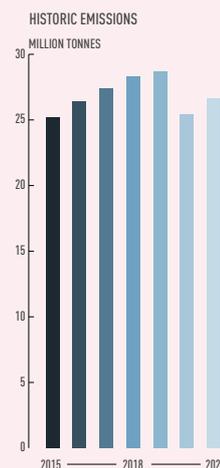
Transport actions in VNRs

- Green bonds for transport
- Maritime transport legislation

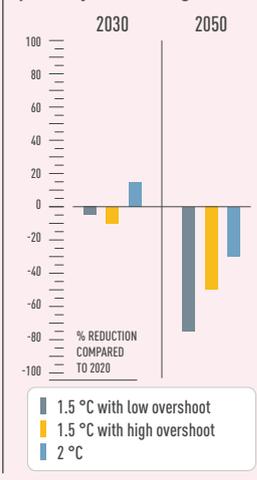
Transport actions in NDC

- Mitigation
 - Cycling measures
 - General e-mobility
 - General public transport improvement
 - Hydrogen
 - Use of renewable energy
- Adaptation
 - Not available

Required regional transport decarbonisation pathways



IPCC transport decarbonisation pathways for this region



Policy Areas: Indicators and Targets

Integrated Transport Planning

National urban mobility framework (2022)	✓
Sustainable urban mobility plans (2022)	✓
Number of sustainable urban mobility plans (2022)	57 cities
Low emission zones (2022)	✓

Walking

National walking strategies (2022)	Not available
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Cycling

National walking strategies (2022)	Not available
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)	✓

Target

- 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)	2461
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

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%
ICE 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

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 information, please visit tcc-gsr.com

List of acronyms

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