

# Argentina

Argentina envisions a wide array of actions to improve their transport system. Recent data on transport activity is missing, but the data from 2015 to 2017 shows that passenger travel demand increased by 11.13% between 2015 and 2017. Passenger cars represented 56.7% of the national modal share in 2017. Transport was the second-largest source of national GHG emissions, accounting for 13.2% of total emissions in 2023. While transport emissions grew by 2.4% from 2015 to 2023, they declined by 3.7% from 2022 to 2023. Concerning sustainability, transport contributes a very high share of 9.4% to national air pollutant emissions in 2019, causing 2.53 premature deaths per 100,000 people in Argentina in 2019. Road traffic fatalities accounted for 8.8 deaths per 100,000 people and it costed the country 3.3% of their GDP in 2021.

Policies in NDCs and VNRs reflect a comprehensive approach, covering many actions to mitigate emissions, raise resilience, increase road safety and support sustainability. However, challenges persisted, including a high motorisation rate of 311 vehicles per 1,000 people in 2020 and high per capita fossil fuel subsidies of USD 555.73 per capita in 2022. Renewable energy, including biofuels and electricity, accounted for 6.5% of Argentina's transport energy consumption, whereas the carbon intensity of its electricity remained relatively high for the region, at 354 gCO<sub>2</sub>/kWh in 2023. There are no targets to reduce CO<sub>2</sub> emissions performance for passenger cars nor to increase the electric vehicle stock.

<b>Income group:</b> Middle-income	
<b>Human Development Index (2023):</b> 0.87	
<b>Population size (2023):</b> 43.7 million	+5.1% (2015 - 2023)
<b>Urban population share (2023):</b> 95%	+8.7% (2015 - 2023)
<b>GDP per capita (2023):</b> 12 957.52 USD	-5.8% (2015 - 2023)
<b>Share of transport and storage jobs in workforce (2023)</b>	6.8%
<b>Share of women employed in transport and storage (2023)</b>	17.1%

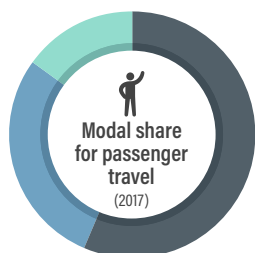
## Transport Demand Trends

### Passenger transport activity

**57 145**

million passenger-km in 2017

+11.1%  
(2015 to 2017)



14.6% Rail  
56.7% Road, passenger cars  
28.7% Road, buses

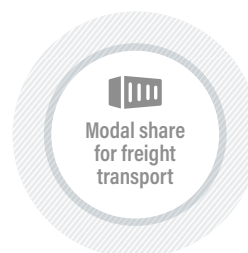
SDG 91

### Freight transport activity

**8 377**

million ton-km of rail transport in 2017

+1.2%  
(2015 to 2017)



SDG 91

### Transport energy consumption (2022)

**785 402** TJ

+7.5%  
(2015 to 2022)

#### Oil products

**78.8%**

of total transport energy consumption

### Per capita fossil fuel subsidies (2022)

**555.7** USD per capita

SDG 12

### Fuel quality standards (2022)

**500-2000** ppm

### Average light duty vehicle fuel consumption (2022)



### Road traffic fatalities (2021), WHO estimates

**8.8** deaths per 100,000 people

SDG 3.6

14.6 Regional  
15.0 Global

### Road traffic fatality cost as percentage of GDP (2021)

**3.3%**

### Premature deaths linked to transport air pollution (2019)

**2.5** deaths per 100,000 people

SDG 11.6

1.7 Regional  
2.3 Global

### Contribution of transport to air pollution (2019)

**9.4%**

## Transport Emission Trends

### Transport GHG emissions (2023)

**48.3**

million tonnes of CO<sub>2</sub> equivalent

+2.4%  
(2015 to 2023)

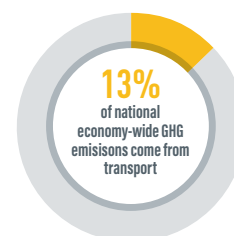
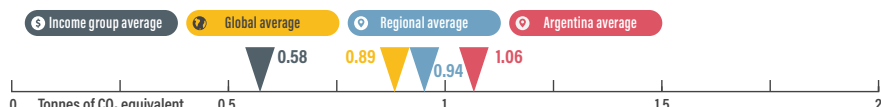
-3.7%  
(2022 to 2023)

### Per capita transport GHG emissions (2023)

**1.06**

tonnes of CO<sub>2</sub> equivalent per capita

#### PER CAPITA EMISSION COMPARISON



Transport is the **second-largest** GHG-emitting sector in the country in 2023.

## 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



2022 VNR with transport linkages to SDG 3, SDG 5, SDG 7, SDG 8, SDG 9, SDG 11 and SDG 17

### Transport actions in VNRs

- ▶ Road safety measures
- ▶ Hydrogen
- ▶ Transport energy efficiency
- ▶ Renewal of road and rail infrastructure for better logistics and cross-border activities
- ▶ Promotion of vehicles adapted for people with disabilities and reduced mobility
- ▶ Intelligent Transportation Program

### Transport actions in NDC

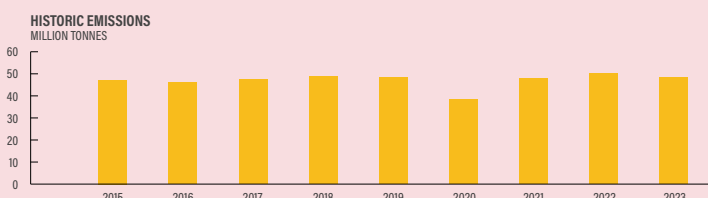
#### Mitigation

- ▶ Biofuels
- ▶ Freight transport shifting to rail or inland waterways
- ▶ General active mobility
- ▶ General alternative fuels
- ▶ General e-mobility
- ▶ General transport planning
- ▶ Hydrogen
- ▶ Improving load
- ▶ Intelligent transport systems
- ▶ LPG/CNG/LNG
- ▶ Sustainable transport capacity building
- ▶ Vehicle air pollution emission standards
- ▶ Vehicle labelling
- ▶ Vehicle scrappage scheme

#### Adaptation

- ▶ Adaptation and resilience of transport systems
- ▶ Education and Training
- ▶ Design Standards and updates
- ▶ Repair & Maintenance
- ▶ Risk assessment

### Transport GHG emissions from 2015 to 2023



## Policy Areas: Indicators and Targets

### Integrated Transport Planning

National urban mobility framework (2024)	✓
Sustainable urban mobility plans (2024)	✓
Number of sustainable urban mobility plans (2024)	2 cities
Low emission zones (2022)	—

### Adaptation and Resilience

ND-GAIN Index (2022)	50.21
Vulnerability score for infrastructure (2022)	0.14

### Walking

Walkability Score (2024)	0.77
National walking strategies (2024)	✓ (Outdated)

### Cycling

Cycling infrastructure in capital (2022)	300 km
Percent near protected bikeways (2024)	13%
Bike sharing systems (2024)	15
National cycling strategies (2024)	✗

### Public Transport

Bus rapid transit (2024)	122 km of total length in 5 cities
Bus rapid transit daily passenger volume (2024)	1563 000 passengers per day
Urban rail (LRT, metro, tram) (2024)	74.5 km in 2 cities
Proportion of population that has convenient access to public transport (2020)	5716% <span>SDG 11.2</span>

### Intercity Rail

Rail network (2019)	17 866 km
Rail travel activity (2017)	8 360.782 million passenger-km
Rail freight activity (2017)	8 377 million ton-km
High-speed rail	—
High-speed rail travel activity	—
National plans for passenger and freight rail expansion (2024)	✓

#### Target

- 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)	310.9
Road vehicle fleet growth (from 2015 to 2020)	2.10%
Rural Access Index (2019)	<span>SDG 9.1</span> 73.1 RAI PST
Diesel prices (2022)	0.76 USD per litre
Gasoline prices (2022)	0.93 USD per litre

### Aviation

Air passengers carried (2021)	6.7 million people
Air freight activity (2021)	88.3 million ton-km
Carbon-accredited airports (2023)	12 airports
of which carbon neutral:	none

### Shipping

Logistics Performance Index (2023)	2.8
Liner shipping connectivity index (Q4 2024)	36.0
Container port traffic (2020)	1990 008.0 TEU

### Transport Energy Sources

Biofuel blend overall mandate (2023)	—
Biofuel blend biodiesel mandate (2023)	7.5%
Biofuel blend ethanol mandate (2023)	12.0%
Carbon intensity of electricity (2023)	353.96 gCO <sub>2</sub> /kWh
Renewable energy (biofuels and electricity) share in transport (2022)	6.5% of total transport energy consumption <span>SDG 7.2.1</span>
Biofuels (2022)	6.4% of total transport energy consumption
Electricity (2022)	0.1% of total transport energy consumption
Targeted renewable power share	26%

### Vehicle Technologies

Emission standards for LDVs (2024)	Euro 4 and above
CO <sub>2</sub> emissions performance for passenger cars (2024)	—
Targeted CO <sub>2</sub> emissions performance (2024)	No target set
Regulatory environment ranking on used vehicles (2024)	Banned
Electric vehicles stock for passenger cars (2024)	—
Share of electric vehicles in car sales (2024)	—
ICE phase-out targets	✗
Electric vehicles stock for vans (2024)	—
Electric vehicles stock for trucks (2024)	—

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#### List of acronyms

GDP	Gross-domestic product
HDV	Heavy-duty vehicle
ICE	Internal combustion engine
kWh	Kilowatt-hour
LDV	Light-duty vehicle
LRT	Light-rail transit
NDC	Nationally determined contribution
PST	Primary, secondary or tertiary roads

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

