

# France



France is one of the few countries that achieved an absolute reduction of transport CO<sub>2</sub> emissions from 2015 to 2019. Nevertheless, transport is the country's largest CO<sub>2</sub>-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.

Income group:	High-income
Human Development Index (2021):	0.903
Population size (2022):	64 560 542 +1.3% (2015 - 2022)
Urban population share (2022):	83.6% +5.1% (2015 - 2022)
GDP per capita (2021):	39 985.59 +4.45% (2015 - 2021)

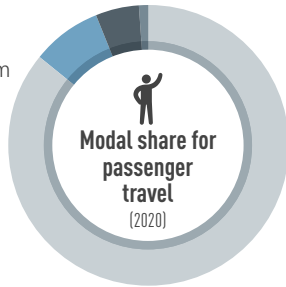
## Transport Demand Trends

### Passenger travel activity

732.60

billion passenger-km in 2020

-18.6%  
(2015 to 2020)



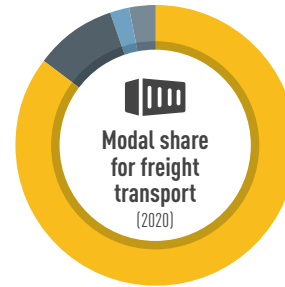
2020	86%	Passenger cars
	5.1%	Buses and coaches
	8.1%	Railways
	0.9%	Tram and metro

### Freight transport activity

328.10

billion ton-km in 2020

+7.6%  
(2015 to 2020)



2020	85.3%	Road
	9.6%	Rail
	2.1%	Inland Waterways
	2.9%	Pipelines

### Energy consumption (2020)

38.3

million tonnes of oil equivalent

-15.8%  
(2015 to 2020)

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

5.5  
(2019)

90.6%  
Oil Products

0.5%  
Natural Gas

7.1%  
Biofuels

1.8%  
Electricity

## Transport Emission Trends

### Transport CO<sub>2</sub> emissions (2021)

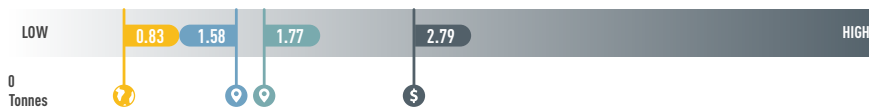
114.3 million tonnes

-10.6%  
(2015 to 2021)

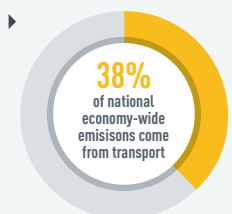
### Per capita transport CO<sub>2</sub> emissions (2021)

1.77 tonnes

### Per capita transport CO<sub>2</sub> emissions



Transport is the largest CO<sub>2</sub> 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 as European Union
NDC highlights transport for GHG mitigation	✓
Transport mitigation targets in NDC	✗
Other non-emission related transport targets in NDC	✗
VNR highlights transport	✓ 2016 VNR with transport linkages to SDG 11 and SDG 13

### Transport actions in VNRs

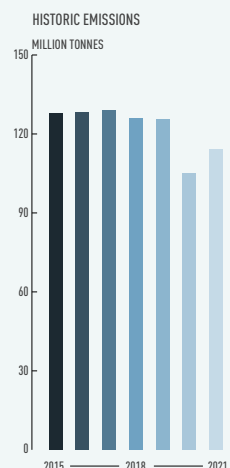
- Efficient public transport
- Cycling infrastructure and bikesharing services

### Transport actions in NDC

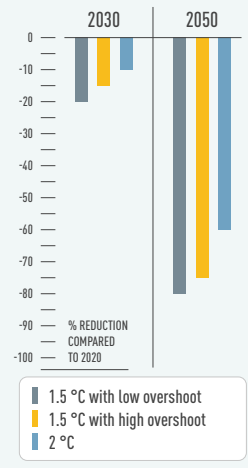
- Emissions trading and carbon pricing
- Vehicle efficiency standards

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)	137 cities
Low emission zones (2022)	18 cities

### Walking

National walking strategies (2022)	Covered under active mobility plan
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### Cycling

National walking strategies (2022)	✓
<b>Targets</b>	
▶ 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)	✓
<b>Target</b>	
▶ 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):	24679 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

### 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

Emission standards for LDVs (2020)	Euro 6
CO <sub>2</sub> emissions performance for passenger cars (2020)	109 gCO <sub>2</sub> /km
Targeted CO <sub>2</sub> emissions performance	0 gCO <sub>2</sub> /km by 2035
Regulatory environment ranking on used vehicles by UNEP (2021)	Not available
Electric vehicles (2022)	620 000
Share of electric vehicles in car sales (2022)	21%
ICE phase-out targets:	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
<b>Examples</b>	
▶ Biking subsidies	
▶ Funds to accelerate current transport infrastructure projects	
▶ Biking and public transport support	
▶ Improved connectivity and quality of rail network	

This fact sheet is part of the SLOCAT Transport, Climate and Sustainability Global Status Report 3<sup>rd</sup> 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](https://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