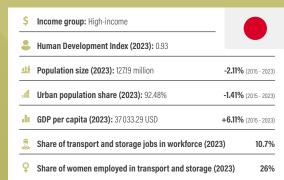
LOCAT

<u>Japan</u>

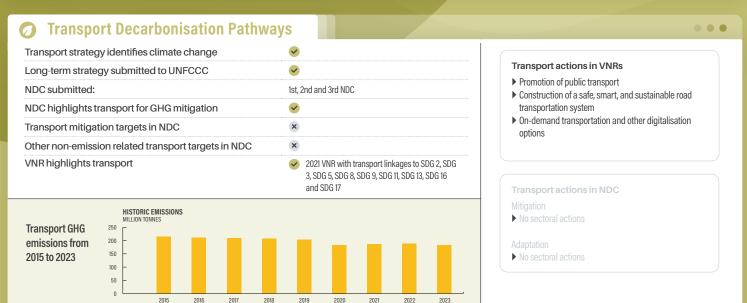
Japan's transport sector has seen a decline in both passengel (-9,95%) and freight (-6,44%) transport activity from 2015 to 2023. Passenger cars dominate travel (66.16%), while road freight remains the primary mode (92.66%) for freight transport Transport emissions have decreased by 15.02% since 2015, yet per capita emissions (1.46 tonnes) remain above global and regional averages. Renewable energy, including biofuels and electricity, represented only 2.9% of Japan's total transport energy consumption, whereas the carbon intensity of its electricity remains high, at 493.6 gCO₂/kWh in 2023. Beyond climate impacts, transport accounted for 9,7% of national air pollutant emissions in 2019. Transport-induced air pollution

in turn, caused 3.1 premature deaths per 100,000 people in Japan in 2019. Road traffic injuries, on the other hand, are responsible for 2.7 deaths per 100,000 people and accounted for 1.2% of Japan's GDP in 2021. In 2020, an impressive 74.18% of Japan's population had convenient access to public transport, whereas no data is available on rural populations' access to all-weather roads. Policies support rail expansion and public transport, with urban rail spanning over 1,000 km. Frameworks on sustainable urban mobility planes, national walking and cycling strategies were not identified. The share of electric vehicle is still low with 3.6% of total car sales, lagging behind other high-income countries.









COUNTRY FACT SHEET | JAPAN



† Walking

Walkability Score (2024)

Policy Areas: Indicators and Targets

ill Integrated Transport Planning	
National urban mobility framework (2024)	<
Sustainable urban mobility plans (2024)	× but Low Carbon City Act
Number of sustainable urban mobility plans (2022)	×
Low emission zones (2022)	4 cities
Adaptation and Resilience	
ND-GAIN Index (2022)	66.53
Vulnerability score for infrastructure (2022)	0.41

0.81

National walking strategies (2024)	×	
‰ Cycling		

Cycling infrastructure in capital (2024)	300 km (13 kilometres of protected facilities in 2019)
Percent near protected bikeways (2024)	4%
Bike sharing systems (2024)	98
National cycling strategies (2024)	✓

ଇଲ୍ଲ Public Transport	
Bus rapid transit (2024)	29 km of total length in 2 cities
Bus rapid transit daily passenger volume (2024)	9100 passengers per day
Urban rail (LRT, metro, tram) (2024)	Over 1,000 km in 24 cities
Proportion of population that has convenient access to	7/1100/

Urban rail (LRT, metro, tram) (2024)	Over 1,000 km in 24 cities
Proportion of population that has convenient access to public transport (2020) SDG11.2	74.18%
II Intercity Rail	
Rail network (2011)	20 087.4 km
B. H	

Rail travel activity (2020)	263 211 million passenger-km
Rail freight activity (2020)	18 340 million ton-km
High-speed rail (2023)	1747 km
High-speed rail travel activity (2023)	74221 million passenger-km
National plans for passenger and freight rail expansion (2024)	⊗

Target
▶ To promote a modal shift, raise rail freight transport volume from 19.34 billion ton- kilometres (in 2013) to 25.64 billion ton-kilometres (by 2030), resulting in 1.466 million tonnes less CO₂ emissions

Road Transport	
Total road vehicles in use per 1,000 people (2020)	606.0
Road vehicle fleet growth (from 2015 to 2020)	-0.91%
Rural Access Index (2019) SDG 91	
Diesel prices (2022)	0.94 USD per litre
Gasoline prices (2022)	1.13 USD per litre
→ Aviation	
Air passengers carried (2021)	45.4 million people
Air freight activity (2021)	10 947.0 million ton-km
Carbon-accredited airports (2023)	5 airports
of which carbon neutral:	5 airports
& Shipping	
Logistics Performance Index (2023)	3.9
Liner shipping connectivity index (Q4 2024)	69.7
Container port traffic (2020)	21385 632.0 TEU
Transport Energy Sources	
Biofuel blend overall mandate (2023)	_
Biofuel blend biodiesel mandate (2023)	
Biofuel blend ethanol mandate (2023)	
Carbon intensity of electricity (2023)	493.59 gCO ₂ /kWh
Renewable energy (biofuels and electricity) share in transport (2022) SDG 7.2.1	2.9% of total transport energy consumption
Biofuels (2022)	0.7% of total transport energy consumption
Electricity (2022)	2.2% of total transport energy consumption
Targeted renewable power share	38%
Vehicle Technologies	
Emission standards for LDVs (2024)	Euro 4 and above
CO ₂ emissions performance for passenger cars (2024)	115 g CO ₂ /km in 2018
Targeted CO ₂ emissions performance (2024)	83 g CO ₂ /km by 2030
Regulatory environment ranking on used vehicles (2024)	
Electric vehicles stock for passenger cars (2024)	340 000 vehicles
Share of electric vehicles in car sales (2024)	2.8%
ICE phase-out targets	×
Electric vehicles stock for vans (2024)	20 000 vehicles
Electric vehicles stock for trucks (2024)	410 vehicles

This fact sheet is part of the SLOCAT Transport, Climate and Sustainability Global Status Report - 4^{th} Edition. The country fact sheets have been made possible thanks to financial support from the ClimateWorks Foundation. possible thanks to financial support from the ClimateWorks Foundation. Information presented in this fact sheet is based on desk research and may not be complete or reflect the most recent status. Data has been collected to the best of our knowledge and availability. Where no information could be retrieved, the indicators are shown in grey. The content does not represent the views of the SLOCAT Partnership on Sustainable, Low Carbon Transport or the ClimateWorks Foundation. For more information, please visit gsr4.slocat.net.

List of acronyms
GDP Gross-domestic product
HDW Heavy-duty-vehicle
ICE Internal combustion engine
KWh Kilowatt-hour
LDW Light-duty-vehicle
LRT Light-rail transit
NDC Nationally determined contribution
PST Primary, secondary or tertiary roads

TEU Iventy-foot Equivalent Unit UNEP United Nations Environment Programme United Nations Environment Programme United Nations Framework Commention or United Nations Framework Commention or Williamst Change Villamst Change procedure











26