#### LOCAT

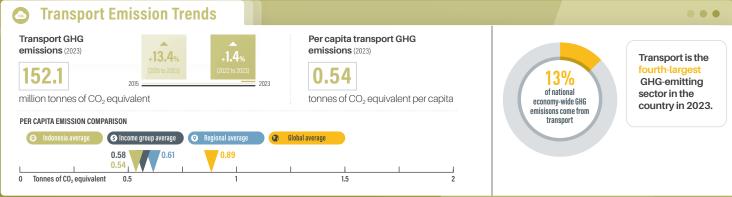
# Indonesia

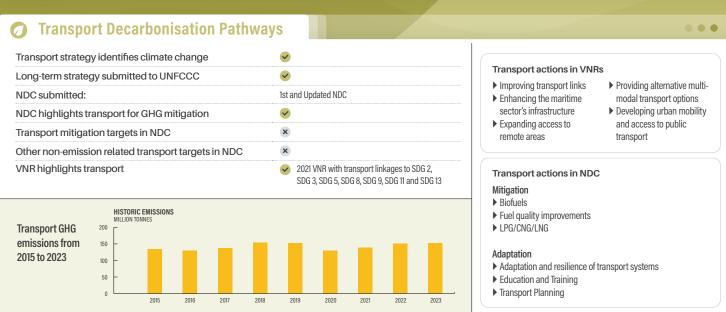
Indonesia's transport sector has seen significant growth in demand, with passenger travel increasing by 12% (2015-2023 and freight transport by 38.5% (2015-2022). Transport-related emissions rose by 13.45% between 2015 and 2023, making the sector the fourth-largest emissions contributor to national GHG emissions. Oil products dominate energy use (87%), with biofuels and electricity at 12.9% in 2022. The carbon intensity of Indonesia's electricity remains very high, at 682.4 gCO₂/kWh in 2023. Beyond climate impacts, transport accounted for 12.4% of national air pollutant emissions in 2019. Transport-induced air pollution, in turn, caused 4.99 premature deaths per 100,000 people in Indonesia in 2019. Road traffic injury is another leading cause of death, claiming 11.3 lives per

100,000 people and accounting for 3.2% of Indonesia's GDP in 2021. In 2020, only 30.7% of the Indonesian population had convenient access to public transport. On the other hand, a moderately high percentage (71.6%) of Indonesia's rural population lived within 2 kilometers of an all-season road in 2019. The country has set strategies for urban mobility, rail expansion, and fuel quality improvements, while the updated NDC recognises transport for mitigation, and includes both transport mitigation and adaptation actions. Despite policies promoting public transport, walking, and cycling, Indonesia faces challenges in shifting towards low-emission transport, given significant fossil fuel subsidies (303.80 USD per capita) and limited electric vehicle uptake.









COUNTRY FACT SHEET | INDONESIA



## 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) | 1 city   |  |
| Low emission zones (2024)                         | 2 cities |  |
| Adaptation and Positiones                         |          |  |

| W. | Adaptation | and | Resilience |
|----|------------|-----|------------|
|----|------------|-----|------------|

ND-GAIN Index (2022) 48.55 Vulnerability score for infrastructure (2022) 0.20

# **↑** Walking

Walkability Score (2024) 0.40 Walking and cycling National walking strategies (2024) combined

#### **Target**

▶ Create a safe, comfortable, inclusive, and comprehensive walking and cycling space which supports public transport usage.

#### **6** Cycling

Cycling infrastructure in capital (2022) 365 km of bicycle lanes Percent near protected bikeways (2024) 0% Bike sharing systems (2024) Walking and cycling National cycling strategies (2024) combined



▶ Create a safe, comfortable, inclusive, and comprehensive walking and cycling space which supports public transport usage.

#### **□** Public Transport

| Bus rapid transit (2024)   | 251 km of total length in 1 city |
|--|----------------------------------|
| Bus rapid transit daily passenger volume (2024)  | 46 467 passengers per day        |
| Urban rail (LRT, metro, tram) (2024)   | 55 km in 2 cities                |
| Proportion of population that has convenient access to public transport (2020) SDG11.2 | 30.70%                           |

### Intercity Rail

| Rail network (2019)  | 5483 km                     |
|--|-----------------------------|
| Rail travel activity (2019)                                    | 29 066 million passenger-km |
| Rail freight activity (2019)                                   | 15 573 million ton-km       |
| High-speed rail  |                             |
| High-speed rail travel activity                                |                             |
| National plans for passenger and freight rail expansion (2024) | •                           |

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

This fact sheet is part of the SLOCAT Transport, Climate and Sustainability Global Status Report –  $4^{\text{th}}$  Edition. The country fact sheets have been made 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**.

acronyms
Gross-domestic product
Heavy-duty vehicle
Internal combustion engine
Klowatt-hour
Light-duty vehicle
Light-rail transit
Nationally determined contribution
Primary, secondary or tertiary roads

Twenty-foot Equivalent Unit TeU Inverty-hot Equivalent Unit
UNEP United Nations Environment Programme
UNFCC United Nations Framework Convention on
Climate Change
Voluntary national review of the
Sustainable Developiment Goals
WLTP
Worldwide harmonised light vehicles test.

procedure

# **Road Transport**

| Total road vehicles in use per 1,000 people (2020) | 77.1               |
|--|--------------------|
| Road vehicle fleet growth (from 2015 to 2020)      | 26.84%             |
| Rural Access Index (2019) SDG 9.1                  | 71.6 RAI PST       |
| Diesel prices (2022)                               | 0.46 USD per litre |
| Gasoline prices (2022)                             | 0.62 USD per litre |
|  |                    |
|  |                    |

#### Aviation

| Air passengers carried (2021)     | 33.5 million people  |
|-----------------------------------|----------------------|
| Air freight activity (2021)       | 772.9 million ton-km |
| Carbon-accredited airports (2023) |                      |
| of which carbon neutral:          |                      |
| <b>*</b> 0                        |                      |

#### Shipping

| Logistics Performance Index (2023)          | 3                |
|---|------------------|
| Liner shipping connectivity index (Q4 2024) | 32.7             |
| Container port traffic (2020)               | 14 025 449.0 TEU |

#### Transport Energy Sources

| Bioruei biend overali mandate (2023)   |   |
|--|---|
| Biofuel blend biodiesel mandate (2023)   | 35.0%                                       |
| Biofuel blend ethanol mandate (2023)   | 5.0%  |
| Carbon intensity of electricity (2023)   | 682.43 gCO <sub>2</sub> /kWh                |
| Renewable energy (biofuels and electricity) share in transport (2022) SDG 72.1 | 12.9% of total transport energy consumption |
| Biofuels (2022)  | 12.8% of total transport energy consumption |
| Electricity (2022)   | 0.1% of total transport energy consumption  |
| Targeted renewable power share   |   |
|  |   |

| Vehicle Technologies                                   |                  |
|--|------------------|
| Emission standards for LDVs (2024)                     | Euro 4 and above |
| CO2 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)      | 78 000 vehicles  |
| Share of electric vehicles in car sales (2024)         | 7.3 %            |
| ICE phase-out targets                                  | ×                |
| Electric vehicles stock for vans (2024)                |                  |
| Electric vehicles stock for trucks (2024)              | 1 vehicle        |
|  |                  |

just one truck?

















Supported by: Drive Electric