



# **SLOCAT**

## **Transport, Climate and Sustainability**

### **Global Status Report - 3<sup>rd</sup> edition**

**Preliminary Insights #2**  
**on Africa, Asia and Latin America and the Caribbean**

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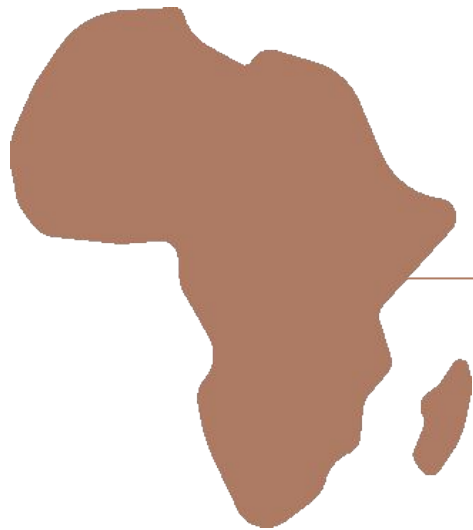
#TransportClimateStatus



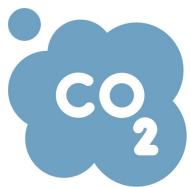
Also check out

# Preliminary Insights #1: General Findings

(Released in March 2023)



# Africa



24%

of Africa's total CO<sub>2</sub> emissions  
come from transport

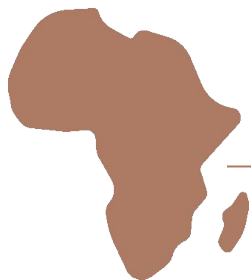


The lowest transport CO<sub>2</sub> emitter among all regions, though with a fast growing trajectory.

→ Only 5.4% of global transport emissions in 2021.

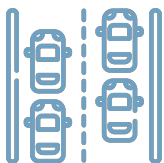
Africa experienced the second highest regional growth of transport emissions after Asia.

→ Transport emissions increased by 34% between 2010 and 2021.



# Africa

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## Lowest car ownership rate

Between 2016 and 2020, **Africa's motorisation rate was 43 vehicles per 1,000 people**, around **4.6 times below the global average**.



## High dependency on used vehicles

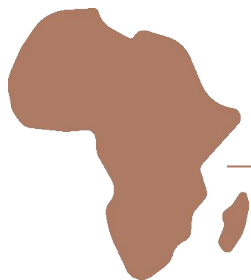
Africa imported the largest share (40%) of used vehicles among all regions from 2015 to 2018.

**In most African countries, used vehicles account for 85-100% of fleets.**



## Soaring road traffic fatalities

**650 people die on African roads every day.** 53% are pedestrians, bicyclists and motorcyclists.



# Africa



## Walking and cycling: main commute choices

Africans spend 56 minutes per day on walking or cycling.

However, more than **93% of roads fail to provide acceptable level of service for pedestrians and cyclists.**



## Limited access to public transport, prevailing use of informal transport

**Only 32% of population was able to access public transport** within a walking distance of 500-1,000m in 2020, well below the global average of 56%.

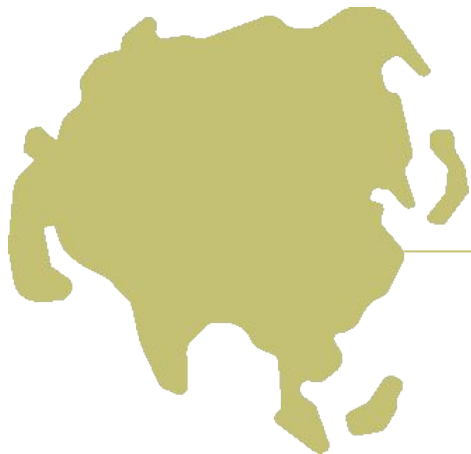
**Informal transport** can account for **40% to 98% of trips** by public transport in some African countries.



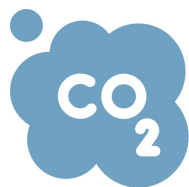
## Road freight dominance

**Road freight carries at least 80% of goods in Africa.**

Ports, rail and air freight remain limited due to lack of capacity, technology and high costs.



# Asia



11%

of Asia's total CO<sub>2</sub> emissions  
come from transport



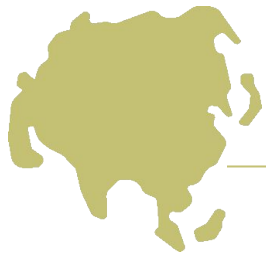
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The highest regional transport CO<sub>2</sub> emitter since 2011.

→ 39% of global transport emission in 2021.

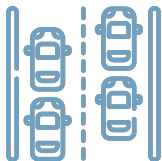
Asia experienced the fastest growth of transport emissions compared to other regions over the last decade.

→ 36% growth from 2020 to 2021.



# Asia

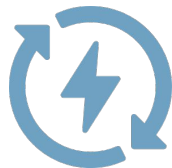
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## Soaring private vehicle ownership

Motorisation **increased by 1 billion** from 2000 to 2020, **mainly** led by **two- and three-wheelers**.

The motorisation rates **in some Asian countries rocketed by 200%** from 2010 to 2019.



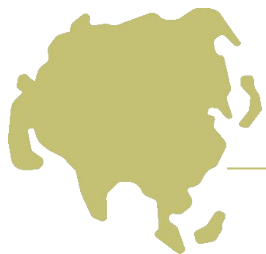
## Rapid renewables uptake in transport

Use of renewables in transport **increased annually by 14%** from 2010 to 2019, **the fastest annual growth among all regions**.

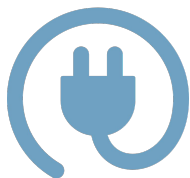


## Surge in public transport services

Number of cities with **bus rapid transit increased** by **36%** and cities with **metros increased** by **45%** from 2015 to 2021.



# Asia



## Global leader of electric mobility

In 2021, Asia was home to **95% of the global electric road vehicles fleet.**

**92%** of the electric vehicles in Asia were **two-wheelers.**



## Rising demand for bike sharing

**Asia has the world's largest bike sharing market.**

360 Chinese cities were using dockless bike sharing in 2019.



## Air cargo demands hit by pandemic and political instability

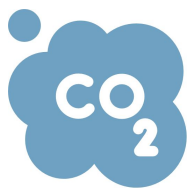
From 2019 to 2020, **air cargo in Asia-Pacific** dropped by **16%.**

**Russia's invasion of Ukraine** caused another drop of **16%** between 2021 and 2022.





# Latin America and the Caribbean



33%

of LAC region's total CO<sub>2</sub> emissions  
come from transport



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Despite its rapid  
urbanisation,  
LAC has relatively  
small impact on global  
transport emissions.

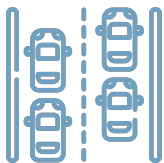
→ 8.5% of global transport  
emissions in 2021.

→ 3% growth of transport emissions  
between 2010 and 2021.



# Latin America and the Caribbean

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## High car ownership rate

Between 2016 and 2020, the motorisation rate in the region was **267 vehicles per 1,000 people**, **1.35 times above the global average**.



## Plummeted ridership during the pandemic

**Metro ridership fell by 50% between 2019 and 2020.**

From 2021 to 2022, transit ridership **in some countries remained below pre-pandemic levels**.



## Emerging public transport systems despite ridership loss

New systems began operations in from 2022 in **Bolivia, Ecuador, Mexico and Panama**.



# Latin America and the Caribbean

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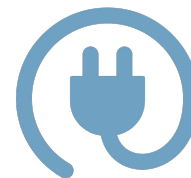
## Growing priority for cycling in major cities

Major cities like Bogotá, Lima, Mexico City and Rio de Janeiro are **prioritising investments to expand cycle lanes, bicycle parking and shared systems.**



## A long way for freight modal shift

Road transport carries **85% of national freight in South America** and **almost 100% of freight in Central America.**



## Rapidly deploying electric bus fleets

Electric buses **grew more than 110%** between 2020 and 2023, with a number of countries adopting **incentives and legislation** in favour for electrification.

# SLOCAT

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### Global Status Report

#### 3<sup>rd</sup> edition



Global and regional stories of where we are and where we need to get to urgently



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# 5 Thematic Sections



**Transport Pathways to Reach Global  
Climate and Sustainability Goals**



**Regional Overviews**



**Responses to Address Climate Change  
in Transport Sector**



**Transport and Energy**



**Finance and Capacity Building**

# 12 Transport Areas



Integrated  
transport planning



Walking



Cycling



Public Transport



Informal Transport



App-Driven Shared  
Transport



Rail



Road Transport



Aviation



Shipping



Transport Energy Sources



Vehicle Technologies

# 6

## Spotlights on cross-cutting issues



**Freight and Logistics**



**Global Supply Chains**



**Health**



**Small Island Developing States**



**Capacity Building**



**Engagement in UNFCCC**

# 30

## Country Fact Sheets





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