Transportation & Climate Change

Climate change challenges in Latin America

- Strong correlation between increases in per capita income and motorization levels

- In LAC transport contributes higher percentage of GHG emissions compared to global emissions

- Transport sector is the 2\textsuperscript{nd} largest GHG contributor and the fastest-growing sector

- Goal: achieving economic growth and social development while at the same time mitigating GHG emissions that contribute to climate change
Transportation & Climate Change
Opportunities for Latin America

HISTORICAL AND PROJECTED INCREASES IN MOTOR VEHICLE OWNERSHIP BY COUNTRY

Vehicles per 1,000 People: Historical and Projected (Log Scale)

Per-capita Income: Historical & Projected (Thousands 1995 $ PPP, Log Scale)

IDB
Regional Environmentally Sustainable Transport

REST Vision and Objectives

To support the adoption of sustainable transport policies and practices defined as: accessible transport (physically and economically), efficient, environmentally friendly and safe, for present and future generations.

- Integrate sustainability in transport division operations.
- Improve knowledge on sustainable transport within the IDB to support country members, especially on the co-benefits of implementing sustainable transport projects:
  - **Social & economic** development & gender equity
  - **Traffic safety** and Improved air quality
  - Improvements in **quality of life**
Regional Environmentally Sustainable Transport Solutions for Transport and Urban Mobility

- Loans and technical cooperation operations to improve public transport and non-motorized modes
- Sustainable Urban Mobility Plan Development
- Knowledge product creation to improve the efficiency of the transport network
- Capacity building products and events to disseminate knowledge and show the many benefits of sustainable transport systems.
IDB Approach to Sustainable Transport
Passenger and Freight Road Transport Mitigation Framework

THE ASI APPROACH TO SUPPORTING SUSTAINABLE, LOW CARBON TRANSPORT

AVOID
Motorized trips

SHIFT
To more efficient modes of transportation

IMPROVE
Efficiency of remaining travel activity

AVOID Motorized trips
- Motor and fuel taxes
- Road user fees / tolls
- Cordon / congestion pricing
- Car sharing programs
- Transit Oriented Development
- Car free zones
- Commuter trip reduction policies
- Avoid freight empty loads
- Better freight logistics

SHIFT To more efficient modes of transportation
- Public transport improvements
- Parking management
- Transit Oriented Development
- Improvement in NMT
- Freight rail

IMPROVE Efficiency of remaining travel activity
- Active traffic management
- Eco-driving
- Fleet maintenance schemes
- Intelligent transportation systems
- Traffic signal synchronization
- Energy efficient vehicles
- Lower carbon fuels
- Aerodynamic vehicle design
Why is transit-oriented development good for reducing GHGs?