



MINISTERIO DE
TRANSPORTE Y OBRAS PÚBLICAS

Public policies aimed at low-carbon mobility

*Transport and Climate Change Week
Berlin-September 27, 2018*

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Vice-Minister of Transport Management



EL
GOBIERNO
DE TODOS

Overview

1. Alignment with the National Development Plan
2. Ministerial Structure
3. Land Transport Management
 - 3.1. *Passenger Transport Management*
 - 3.2. *Freight Transport Management*
4. National Projects
 - 4.1. *Quito Metro*
 - 4.2. *Cuenca Tramway*
 - 4.3. *NUMP*
 - 4.4. *Development of Cycling Infrastructure*
 - 4.5. *National Pact for Road Safety*
 - 4.6. *Optimization of the Automotive Park*
 - 4.7. *Intelligent Transport Systems*
 - 4.8. *Safe Transport*

UBICACIÓN ECUADOR

Population: 16 million

Geography: It is over the Equator's line, its territory is separated by two hemispheres. It has four regions: Coast, High-Land, Amazonia and Galapagos Island

Road Infrastructure: 10.000 km of Inter-State Road Network to connect all the territory.

Aviation infrastructure: There are 4 international airports which facilitates the travel of 8 million

Port Infrastructure: Ecuador records a movement of 26 million of metric tons in ecuadorian harbours



1. ALIGNMENT WITH THE NATIONAL DEVELOPMENT PLAN

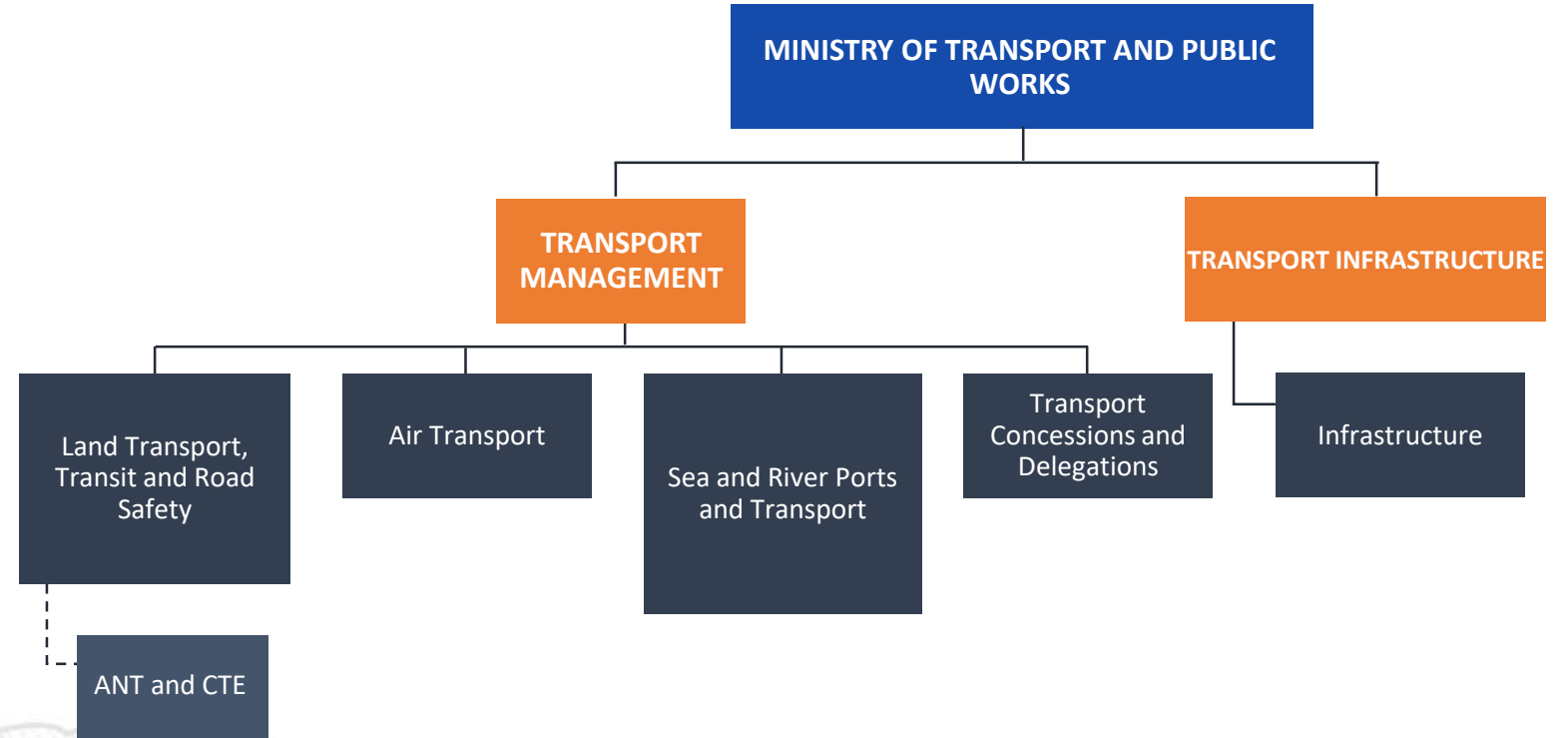


Axis 1: Rights for all throughout life

“1.8. Ensure access to adequate and dignified housing, with cultural relevance, and to a safe environment that includes the provision and quality of habitat-related public goods and services: land, energy, mobility, transport, water and sanitation, environmental quality, safe public space and recreation.”

“1.15. Promote the use and enjoyment of a safe habitat that allows equitable access to public spaces with an inclusive approach.”

2. MINISTERIAL STRUCTURE



Goal:

To promote a comprehensive system of freight and passenger land transport with high quality indexes, which guarantees accessibility and connectivity for the population.

- *Efficient*
- *Safe*
- *Corporate*
- *Socially equitable*
- *Sustainable*
- *Inclusive*

3. LAND TRANSPORT MANAGEMENT



- ✓ Develop an efficient and competitive land transport system.
- ✓ Provide citizens with an integrated and safe land transport system.
- ✓ Encourage corporate management of land transport services.
- ✓ Establish a socially equitable and differentiated tariff policy for the service, appropriate to the operating environment.
- ✓ Improve social quality of life through a sustainable and inclusive land transportation service.

3.1. PASSENGER TRANSPORT

Management Model

Implement a **National System of Passenger Public Transport** that guarantees the **safe movement of citizens** and their belongings, through optimized operation of road corridors, with socially fair fares (clean management).

Allocated Corridors

- Optimization of offer.
- Integrated operation.

Safe

- Qualified drivers.
- Approved and inspected vehicles.
- Security Protocol Compliance.

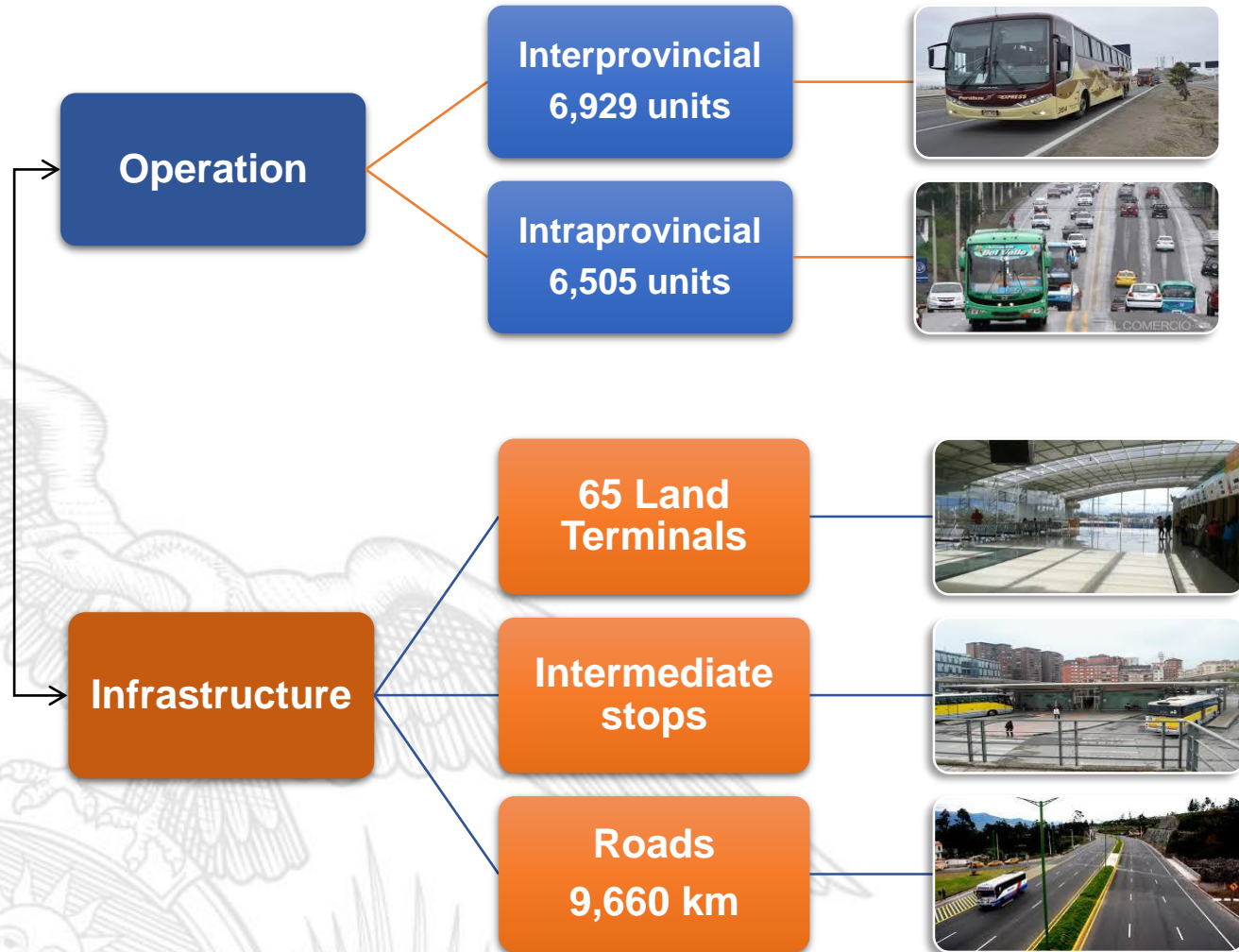
Modern

- Renewed vehicle fleet.
- Collect-revenue systems.
- Fleet management automation.

Efficient

- Establishment of operational indicators.
- Audit.

3.1. PASSENGER TRANSPORT



3.2. FREIGHT TRANSPORT

Management Model

Strengthen national logistics by providing **formal, efficient, structured and competitive** heavy freight transport **services** in the region.

Structured

- Promote corporate management
- Specialization

Standardized

- Unit approval
- Port and airport facilities

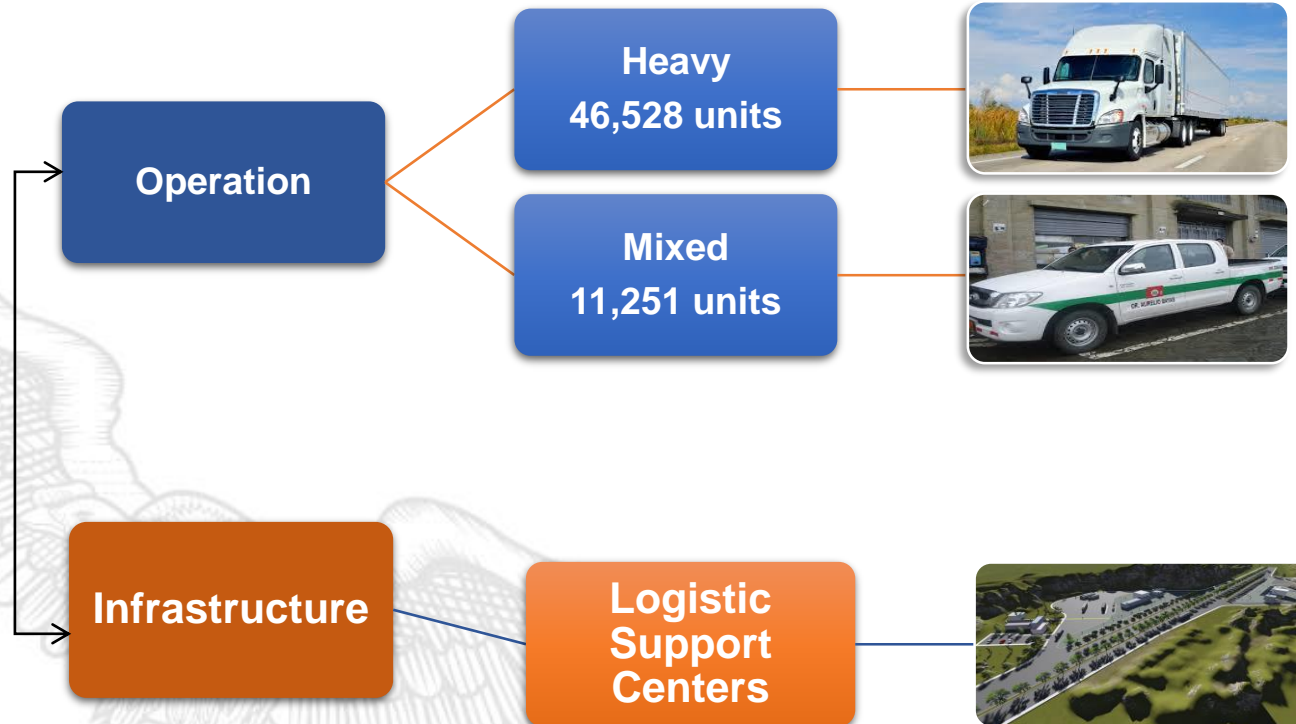
Modern

- Renewed vehicle fleet
- Freight monitoring systems

Services Exporter

- Strengthen the capacities of the operators

3.2. FREIGHT TRANSPORT



4. NATIONAL PROJECTS



QUITO METRO



CUENCA TRAMWAY



4.1. QUITO METRO



La ruta del Metro de Quito

EL TRAYECTO DESDE QUITUMBE HASTA EL LABRADOR

Total recorrido: 23 km

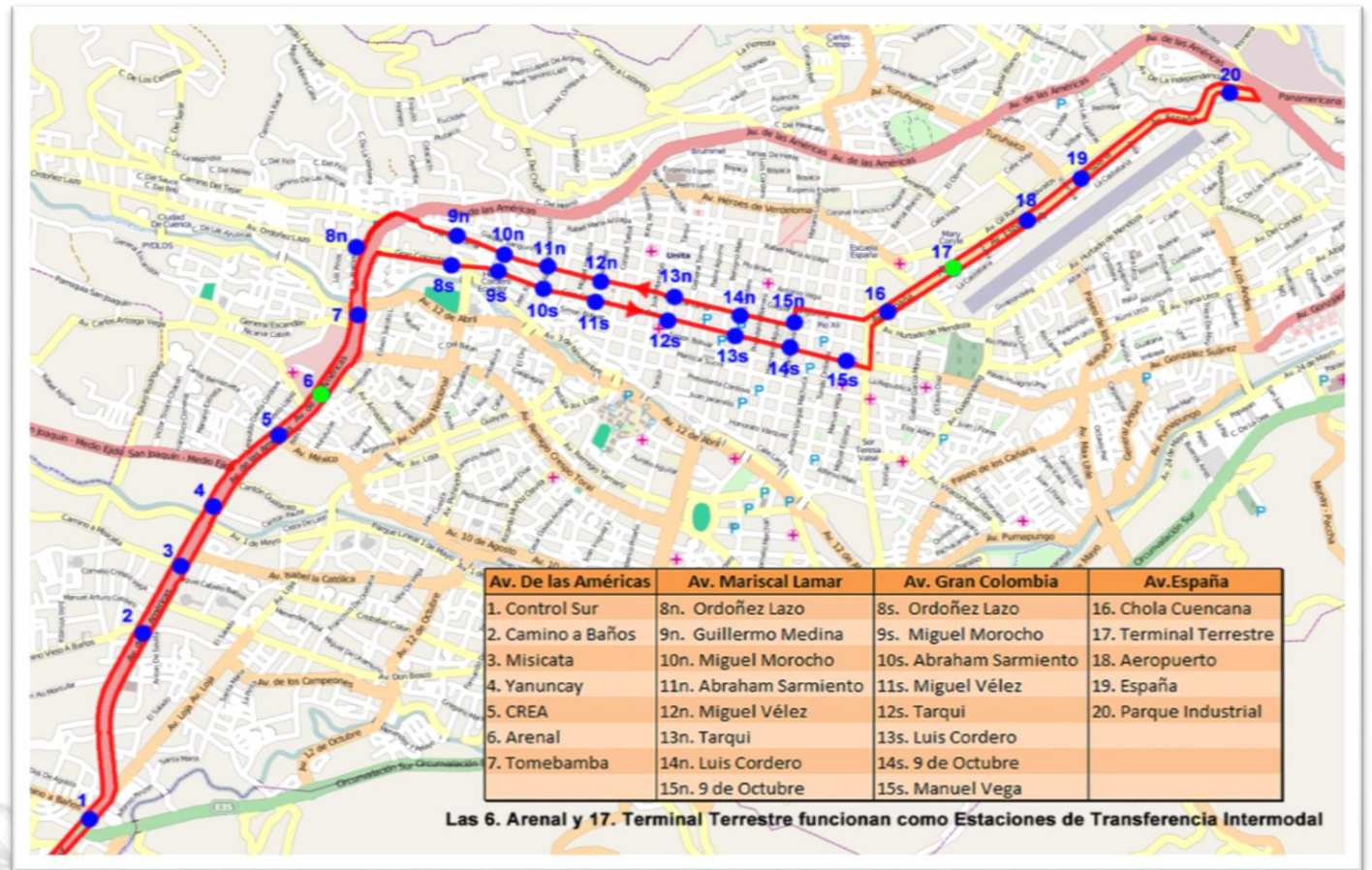
Toda la ruta de este sistema será subterránea, incluidas las estaciones.



On its route from south to north will take 34 minutes

- 22 kilometers of route
- 15 stations
- 18 trains with 6 wagons each
- 400,000 passengers per day
- 150,000 tons of CO₂/year

4.2. CUENCA TRAMWAY

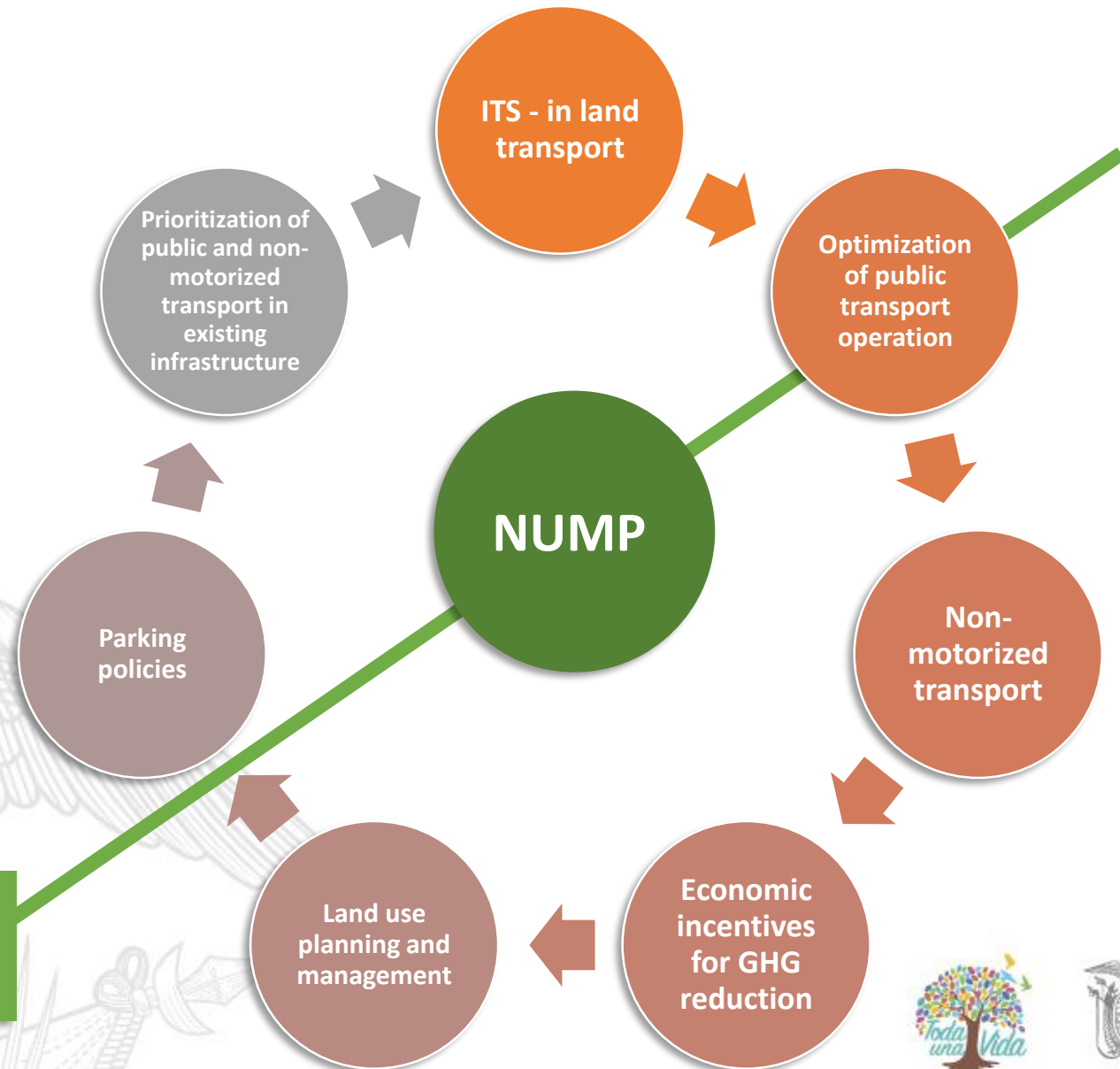


- 20.4 kilometers of route
- 27 stations
- 14 tramways
- 120,000 passengers per day
- Approx. 40,000 tons CO₂/year

4.3. DEVELOPMENT OF A NATIONAL LOW-CARBON MOBILITY PLAN-NUMP (EUROCLIMA+)

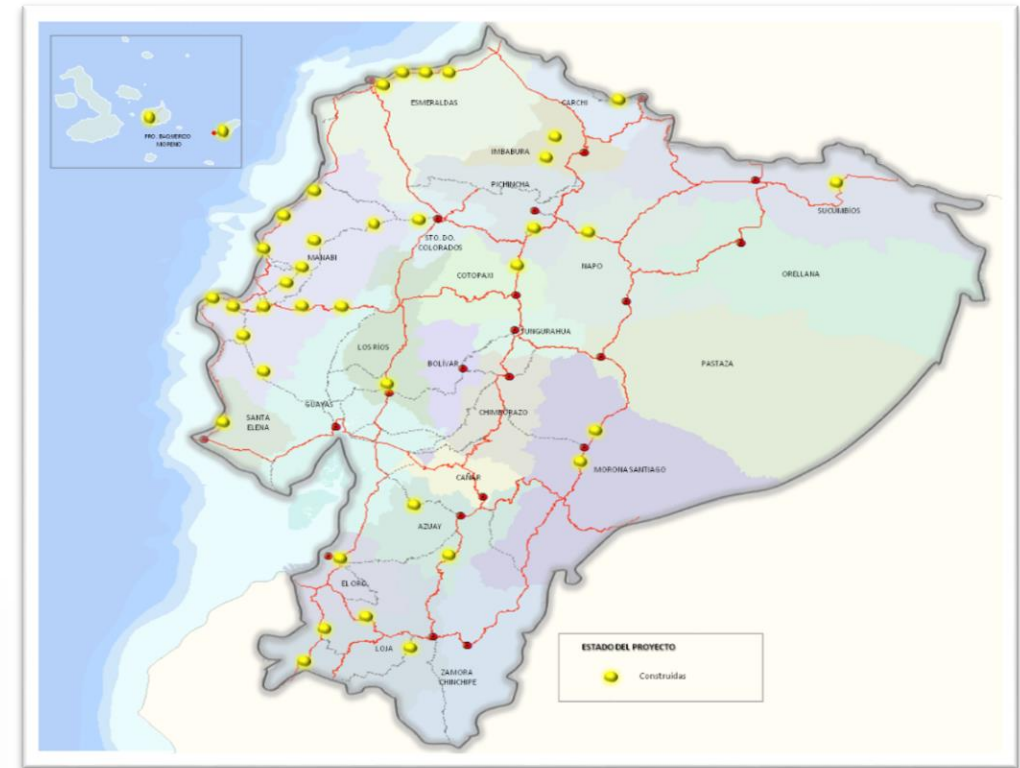
GOAL

Establish policies and programs to delineate actions in the different areas of knowledge in the GAD (decentralized autonomous governments), for the reduction of greenhouse gases (GHG); having equity and accessibility in transport as the axis.



4.4. DEVELOPMENT OF CYCLING INFRASTRUCTURE

- The country has 885.08 km of bicycle lanes built and in operation in the National Road Network.
- The infrastructure is located in 19 of Ecuador's 23 provinces.
- 25% of the infrastructure is segregated and 75% is located on the road shoulder.
- The infrastructure promotes connectivity in rural areas, bike tourism and sports.
- Ecuador is developing the National Guidelines for cycling infrastructure and creating new methodologies to evaluate the built one. (<http://www.cicloviasecuador.gob.ec/>)

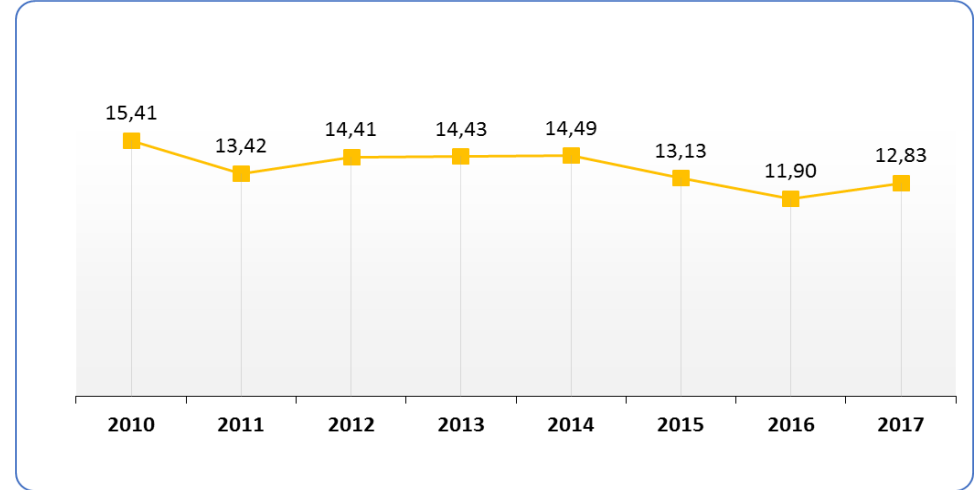


Geographical location of bicycle lanes built at a national level.

4.5. NATIONAL PACT FOR ROAD SAFETY

MORTALITY RATE DUE TO IN SITU TRAFFIC ACCIDENTS PER 100,000 INHABITANTS

Road Safety



Institucionalidad



Vías de tránsito más seguras



Vehículos más seguros

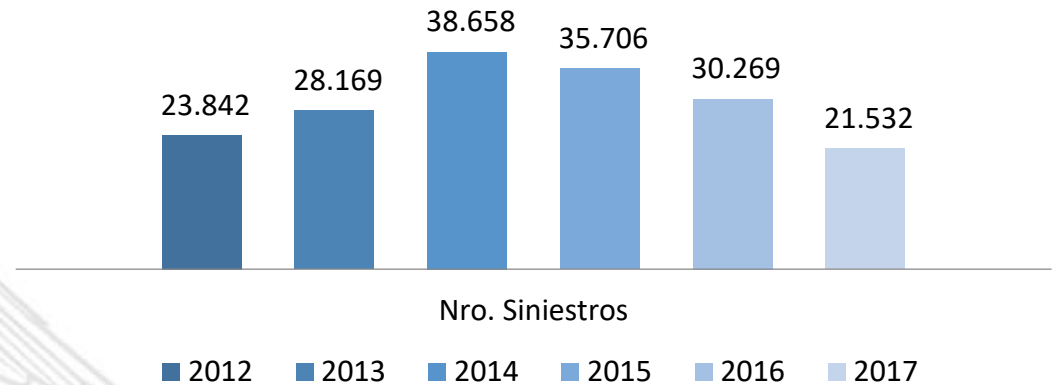


Usuarios más seguros



Respuesta tras siniestros de tránsito





Source: National Transit Agency

4.5. SAFE TRANSPORT CONTEST

In coordination with the Inter-American Development Bank (IDB), an information system on service quality and road safety indicators was created that must be used by operators of passenger and freight transport services in Ecuador.

SAFE PASSENGER PROJECT

Results: 352 intra- and interprovincial transport operators out of the existing 424 companies participated.



SAFE FREIGHT COMPANY PROJECT

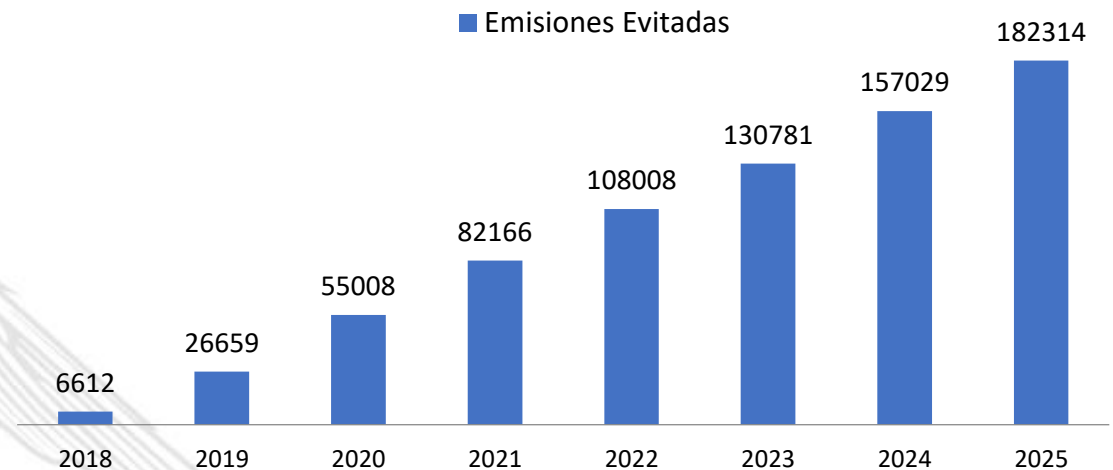
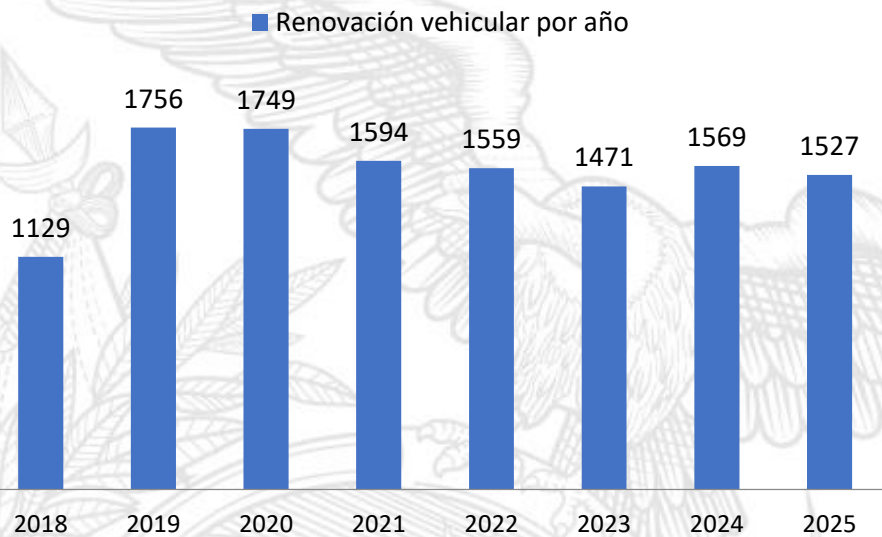
Participation of 21 companies, from 3,647 existing freight operators at national level. As a result of the meeting, an improvement pilot project was carried out on the five best rated transport operators.



4.6. NATIONAL RENEWAL AND OPTIMIZATION PROGRAM OF PUBLIC AND BUSINESS AUTOMOTIVE FLEET “OPA”

From 2008 to 2015, Ecuador scrapped 18,624 units. The goal for the next 8 years is to renew 25,000 vehicles, through incentives that facilitate access to new units, in order to maintain an efficient, reliable, safe and environmentally sustainable vehicle fleet.

| Automotive Fleet 2017 | |
|-----------------------|----------------|
| TYPE | QUANTITY |
| TRUCK | 181.996 |
| OMNIBUS | 38.526 |
| DUMP TRUCK | 20.454 |
| TRAILER | 14.760 |
| TANKER | 3.494 |
| TOTAL | 259.230 |



4.7. INTELLIGENT TRANSPORT SYSTEMS

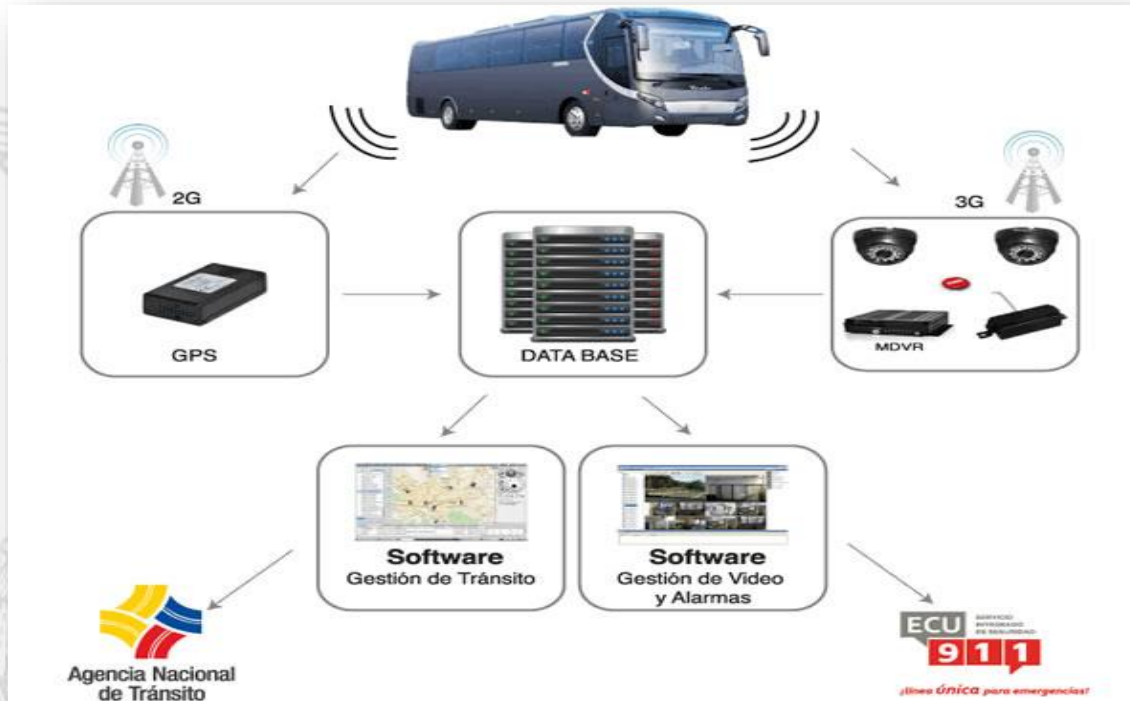
- *The intelligent transport systems planned for implementation in 2018-2019 facilitate permanent control of the vehicle fleet.*
- *Implementation of 1,000 photo-radars for speed control, by type of vehicle and road, in order to reduce traffic accidents caused by these.*
- *Automated control of the weight and dimensions of freight vehicles, in 42 locations of the National Road Network, with the goal of protecting investment in public works and the safety of users, through a system of weighing in motion and inductive sensors, speed radars and vehicle identification cameras.*
- *Single National Transit Registry System for the management of the public passenger transport vehicle fleet.*



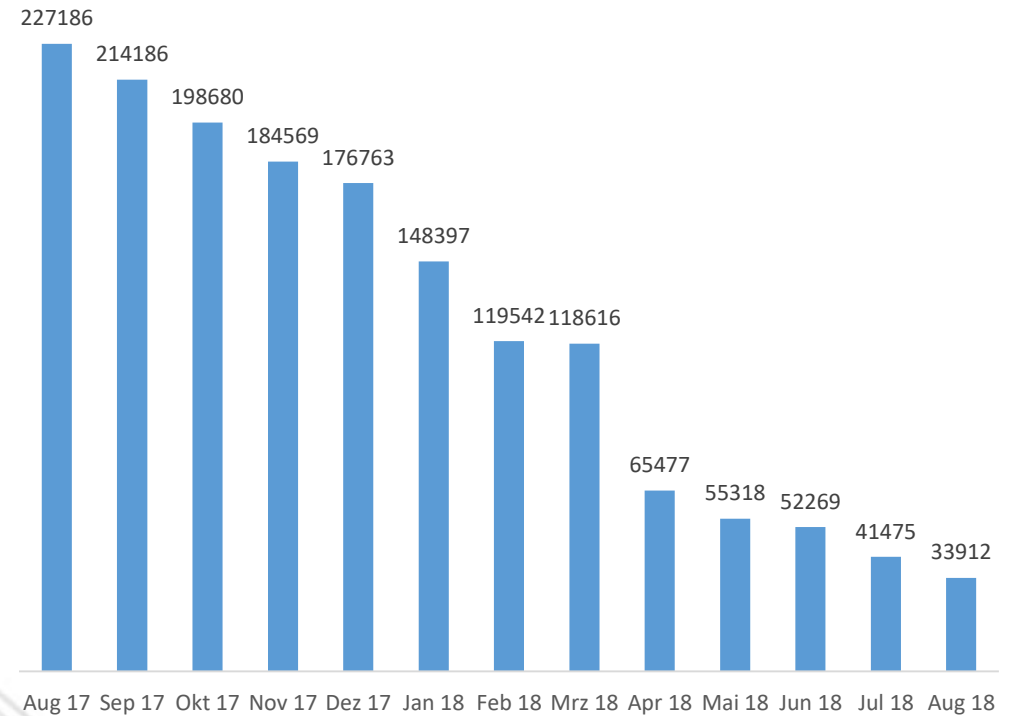
4.8. SAFE TRANSPORT

Comprehensive security system for public and commercial transport at a national level, in order to improve road and citizen safety of land transport users, through permanent monitoring of units.

Security electronic devices installed in 17.000 buses and 38.000 taxis.



Speed excess control





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THANK YOU