

Transport and Climate Change Week

Sustainable urban mobility plans

Guillermo Alfonso Jaramillo Martínez
Mayor of Ibagué - Colombia

giz Deutsche Gesellschaft
für Internationale
Zusammenarbeit (GIZ) GmbH

On behalf of



Federal Ministry for the
Environment, Nature Conservation
and Nuclear Safety

of the Federal Republic of Germany

Berlin, september 2017



Ibagué



por
IBAGUÉ
con todo el corazón



South America

Territory Context



• Urban	2,41%	Total Area
• Rural	97,59%	1.439km²

• Urban	94,50%	Population
• Rural	5,50%	553.526



Colombia

Ibagué
70%
of national cargo
passes through Ibagué

Current Situation in Ibagué

1. Population using public transport regularly

 **48%** or **265.000**

2. Journeys per day  **220.152**

3. Gross income exceeds **USD 120.000 daily**



Current Operation in Ibagué

1. Vehicles enabled to provide collective public transport services.

 **1.032** 98% rotate through every route since May 2016. Goal 2017 = 700

2. Average fleet capacity: 27 seats per vehicle

3. Average fleet age: 11 years.

4. Only 5% of the bus fleet in under 5 years old

5. Maximum slope: higher than 8%.

Bus Route Characteristics

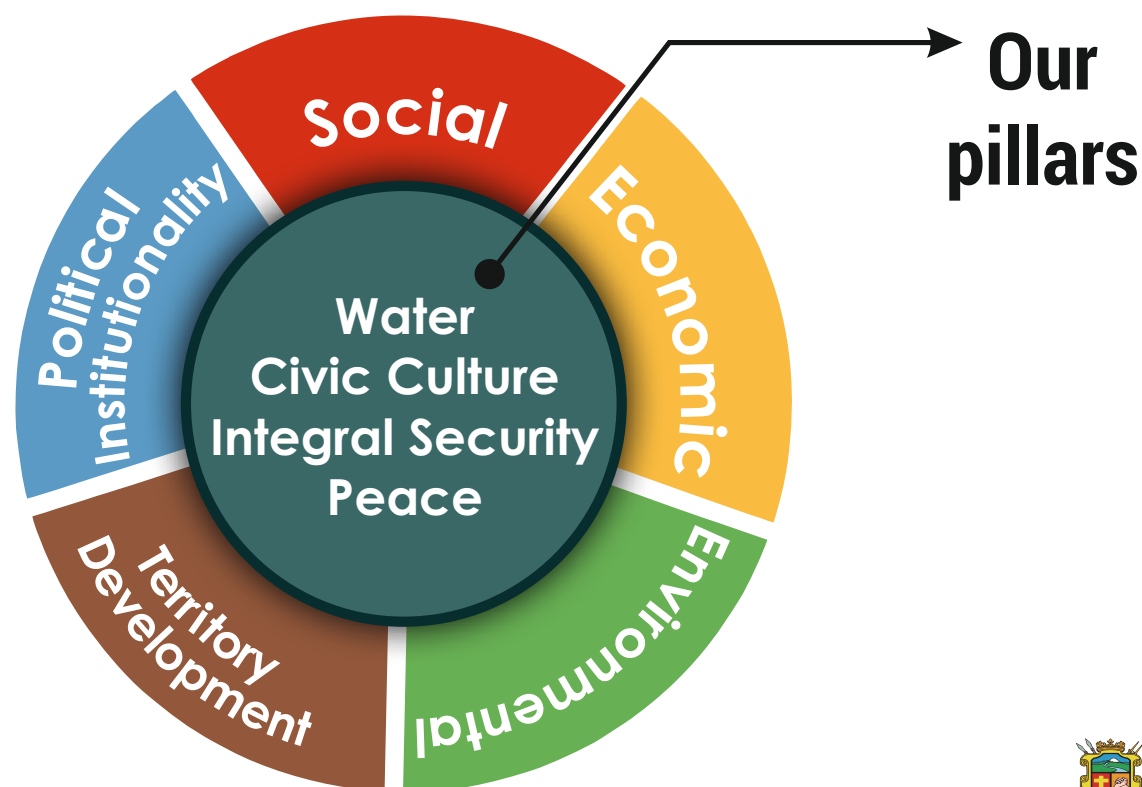
- Days of operation during a month: 24 days on average
 - Route length: 33 km on average
 - Route time (1 lap): between 70 to 148 minutes
(Speed between 17 km/h and 33 km/h).
 - Number of laps per day per vehicle: 6 laps on average
 - Daily number of kilometers traveled: 200 km on average
 - Number passengers per day per vehicle: 250 on average
 - Number of passengers per month per vehicle: 6.000 on average
-
- **PKM - 2013 (Passengers per kilometer) = 1,1**
 - **PKM June 2016 = 1,26**
 - **PKM September 2016 = 1,35**

Our Purposes

To be Green, healthy, inclusive,
competitive and in peace.

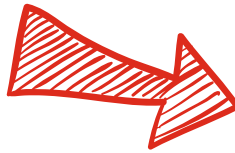
**Our
Development Plan
Ibagué with all
our heart**

por
IAGUÉ
con todo el corazón



City Challenges by 2050

**Build a territory
development
vision**



In 1950
30%
of population
lived in cities



In 2050
70%
of population
will live in cities

- Compact cities
- Sustainable cities
- Participatory cities
- Inclusive cities
- Resilient cities
- Competitive cities

Sustainable City

City Phases in emerging and sustainable cities

Findeter
Financiera del Desarrollo



IDB

AFD



Work articulated with IDB and FINDETER

✓ Previous diagnostic studies

(136 indicators)

- Urban footprint
- Environmental footprint
- Vulnerability and climate change
- Competitiveness
- Governance and finance



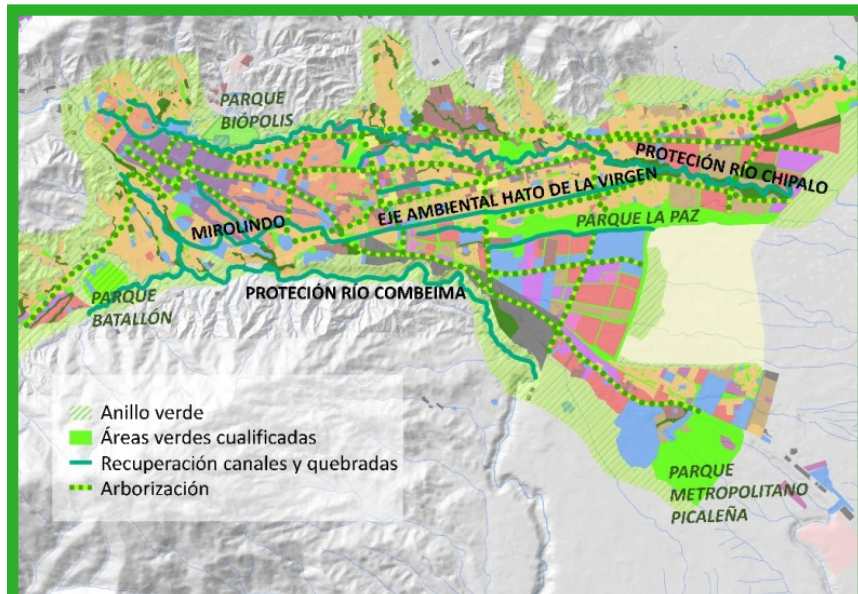
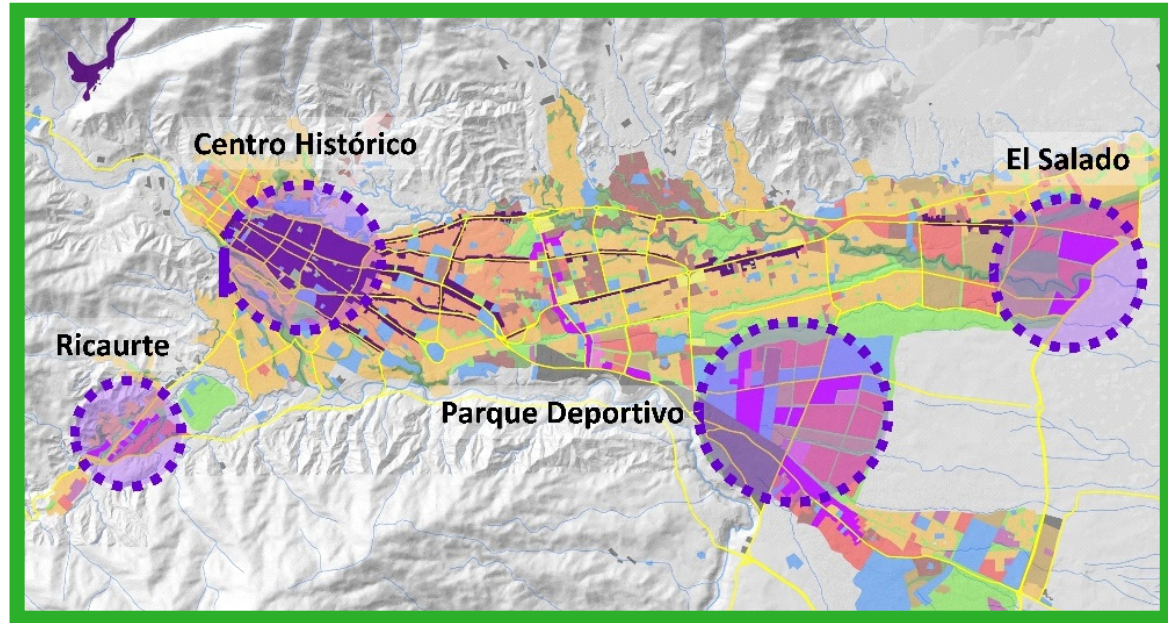
por
IBAGUÉ
con todo el corazón



The city model that we want

Compact City

New
Centralities



Intelligent
growth

2. A city made for people

- Public Space and Master Mobility Plan.
- Pilot plan for Public Bicycles implementation.



Green spaces and parkland



Sustainable transportation:

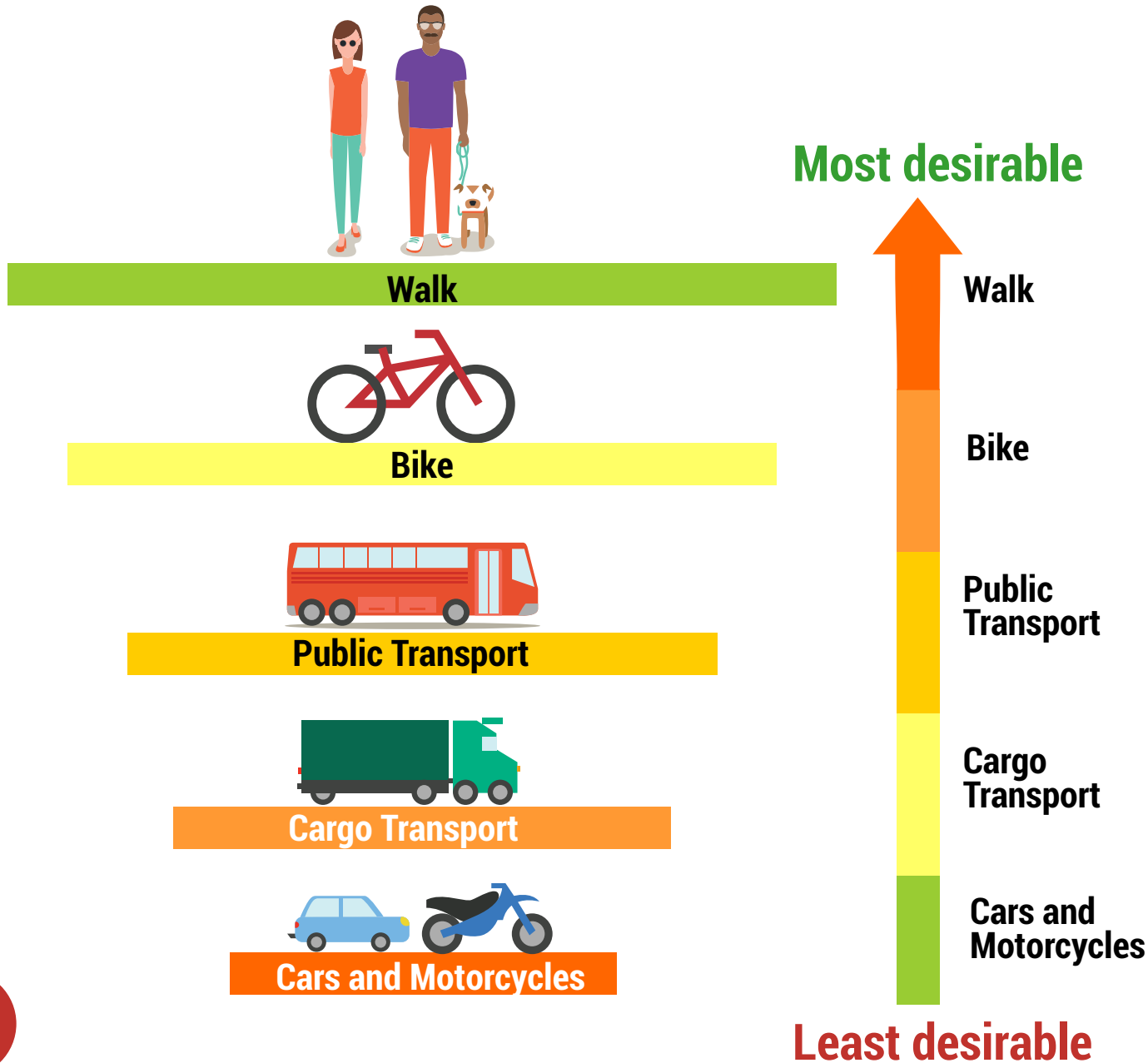
Bicycle routes
implementation

The city model that we want

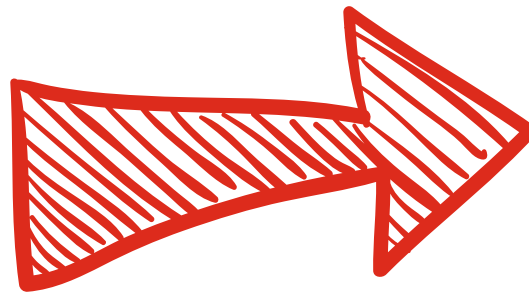
- Safe routes for non-motorized transport.
- 20km Bicycle route construction.
- Public Space recovery (Platforms, green areas, public squares and parks).



Efficient Mobility

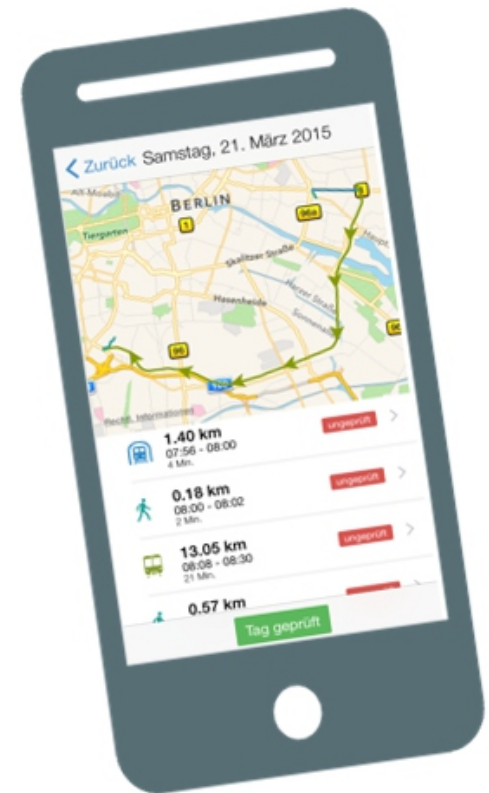


Efficient Movility



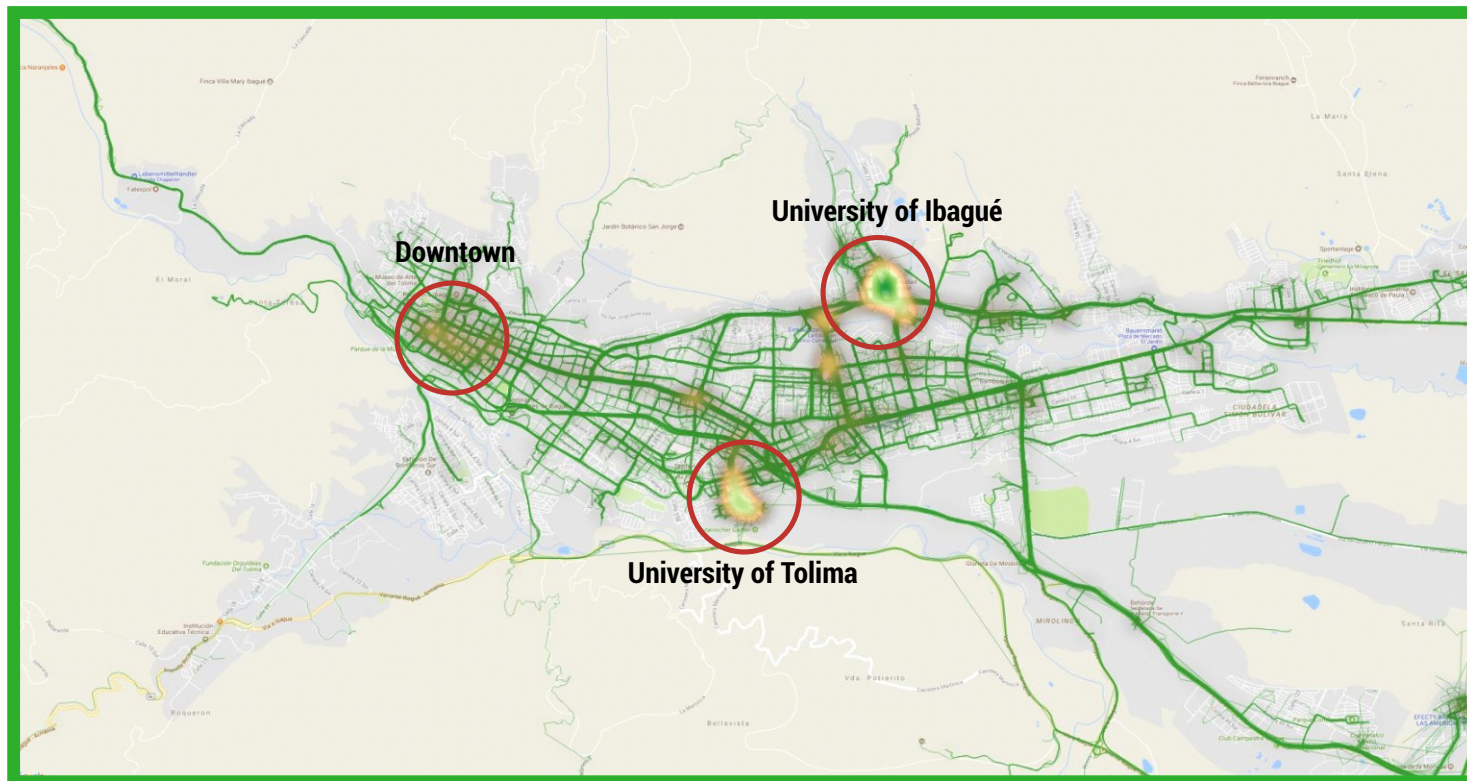
Our Challenges

1. Expand public space from 1.28 m² to 2.56 m² per inhabitant.
2. Maintain or reduce environmental footprint (1.5 tons/inhabitant/year)
3. Implement an efficient public transport system
4. Know the user (Modalyzer App)



Where do we stand?

- 408 citizens participated in the study.
- First analysis results expected end of September.
- Recommendations will include a special focus on needs in cycling infrastructure and intermodal transport and will be fed into the Master Plan.
- Modalyzer App - NAMA TanDem City (Ibagué)



Early results: Bicycle use of Ibagué study participants

Our visión

Mobility for people and life



Ibague being a sustainable and inclusive city should be a territory for people, promoting life and harmony with nature.

