



# ProPacífico

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## Ruta Verde:

Concept study for the bike infrastructure network for Cali-region (Cali, Candelaria, Jamundi, Palmira and Yumbo).

# VALLE DEL CAUCA AT A GLANCE



Accounts for **9.7% of Colombian GDP**, with a **growth of 3,5%** (above national average – 3.2%)<sup>1</sup>.



With only 1.9% of the national territory, it **concentrates 18% of the national industry** (21% in Agroindustry)<sup>3</sup>.



**Colombia's main port on the Pacific Ocean** (moves **42.4% of national foreign trade**)<sup>4</sup>.



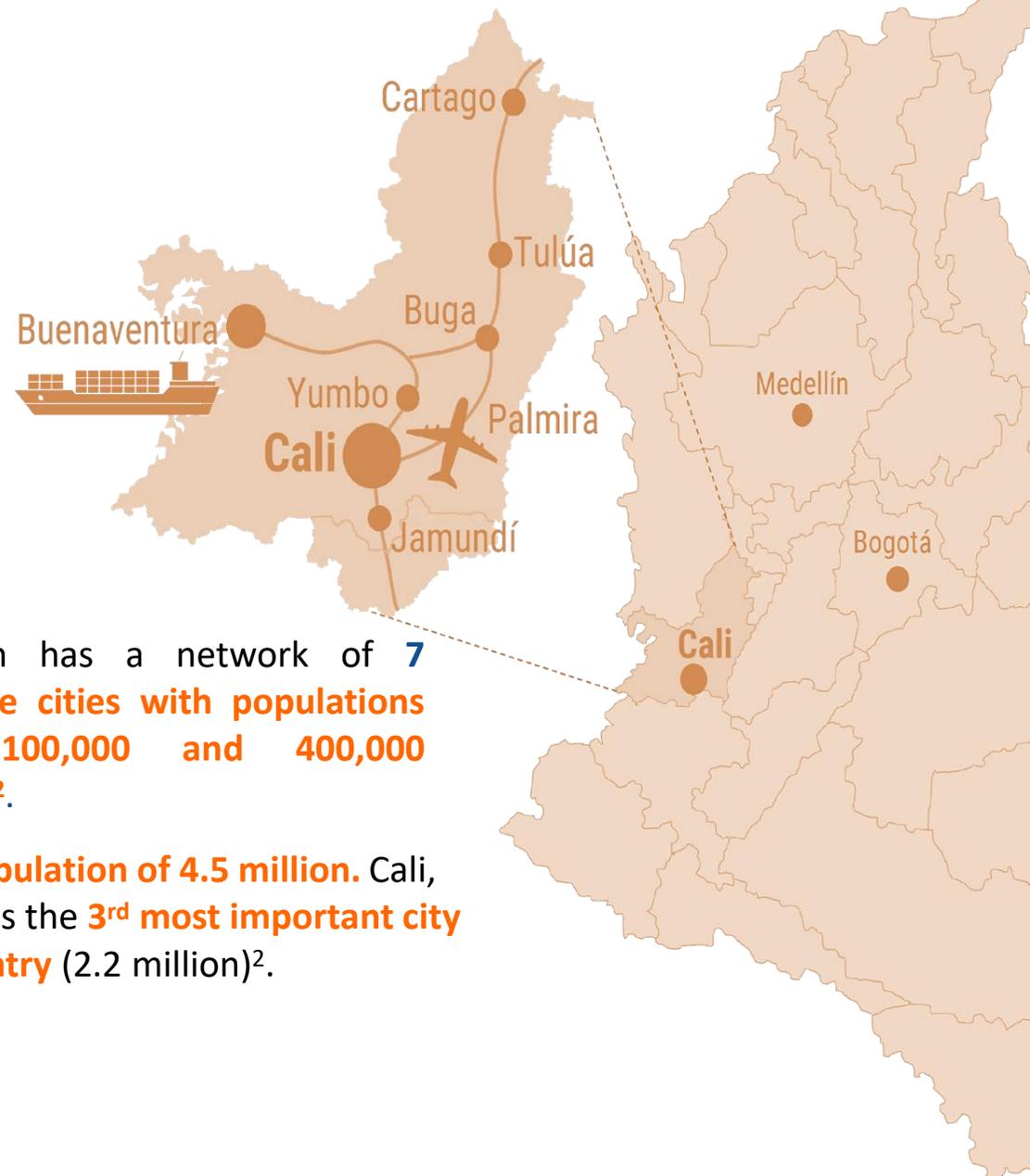
It has the **most diversified export basket** in Colombia. Exporting **12.2% of the country's non-mining goods**<sup>5</sup>.



The Region has a network of **7 intermediate cities with populations between 100,000 and 400,000 inhabitants**<sup>2</sup>.



It has a **population of 4.5 million**. Cali, its capital, is the **3<sup>rd</sup> most important city in the country** (2.2 million)<sup>2</sup>.



1. DANE (National Accounts, 2018).

2. DANE (Census, 2022).

3. DANE (Annual Manufacturing Survey, 2018).

4. Excluding mining-energy goods.

(Port and Transportation Superintendency, 2018).

5. Legis (Legiscomex, 2019) & Consejo Privado de Competitividad, 2019.

# CALI, CAPITAL CITY- QUALITY

Cali has the lowest cost of living amongst the largest cities in LatAm<sup>1</sup>

Cost of Living Index 2020<sup>1</sup>



The average cost of living in Cali is **48% lower** than in Panama and Costa Rica.



Photo: Diego Sinisterra

Cali has the **second-best air quality** in Colombia<sup>3</sup>.



It hosts **two of the best 4<sup>th</sup> level clinics** in Latin America<sup>2</sup>.

#4



#12



**+110 Km. of bike-lanes** across the city.



Public Transportation System has **+35 electric buses**.

**Sports Capital of America**

17 sports facilities,  
4 golf courses.



(Aces Europa - 2019)

**Best Cultural destination of South America**



(World Travel Awards, 2019).

**Colombia Bird Fair:**

International Fair of  
birdwatching.



**World Capital of Salsa**

+15 international festivals  
(Fair of Cali, World Salsa Festival, etc.)



## ■ Justification

### Local Scope

- Cali-region strategic plan process identifies the bike lanes network project as a priority
- Cali, Yumbo and Palmira have incorporated project components in their development plans for 2020-2023.
- **3.7 million trips are generated daily between the 4 municipalities and Cali (Cali Mayor's Office, 2015); 50% for study or work purposes; 5% are by bicycle (Mobility Survey, 2015).**
- Current interest of the five municipalities in promoting accessibility : development with opportunities for all
- Low-income people can spend between 40 and 50% of their income on transportation on a monthly basis.



Ciclorruta exterior de la cuneta (Montería). Fuente: Amalia García Peña, Guía de ciclo-infraestructuras para Colombia , Ministerio de Transporte

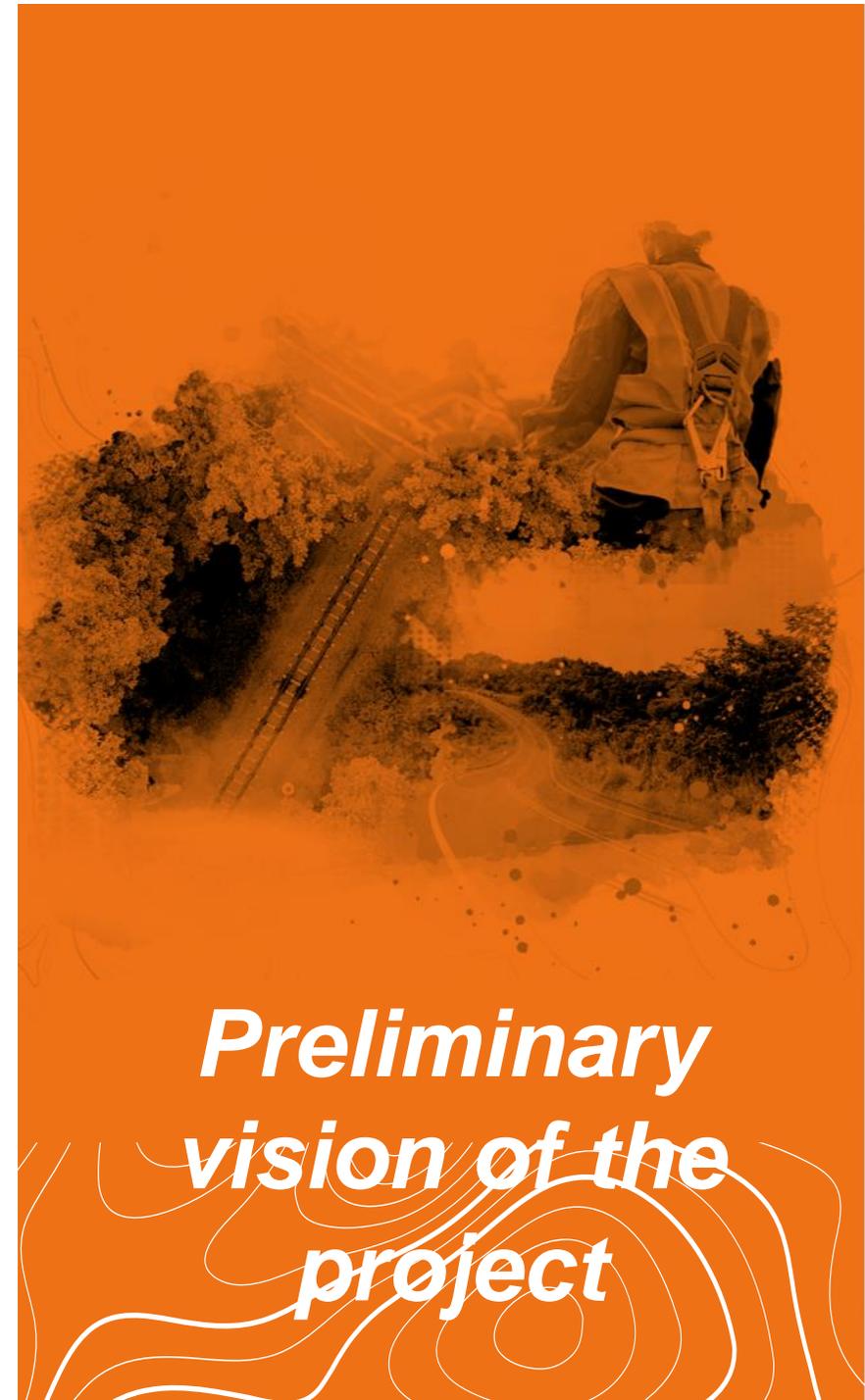
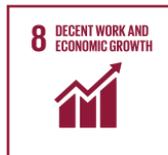


Riesgos para la movilidad en vías colombianas. Fuente: Guía de ciclo-infraestructuras para Colombia , Ministerio de Transporte

A green alternative mobility corridor that provides safe, comfortable and optimal infrastructure to generate daily commuting by bicycle (and compatible modes) in the metropolitan area of Cali.

A network of green corridors that articulates public spaces and contributes to the urban landscape; that allows economic development and generates opportunities for all; an emblematic corridor that promotes a new way of connectivity and urban development.

**SDG:**



***Preliminary  
vision of the  
project***

## ■ Why a regional bike infrastructure

- **Climate change: urgency to reduce emissions; 20% target 2030. Colombia target has been included in its long-term climate action strategy (E2050)**
- **Promotion of alternative modes of mobility**
  - **The bicycle as the mode of the 21st century**
  - **Active mobility and health benefits**
  - **Air quality and urban living**
- **Participatory planning and co-design**
- **Integration of green and blue infrastructure in the context of climate variability**



## ■ Project scope and objectives

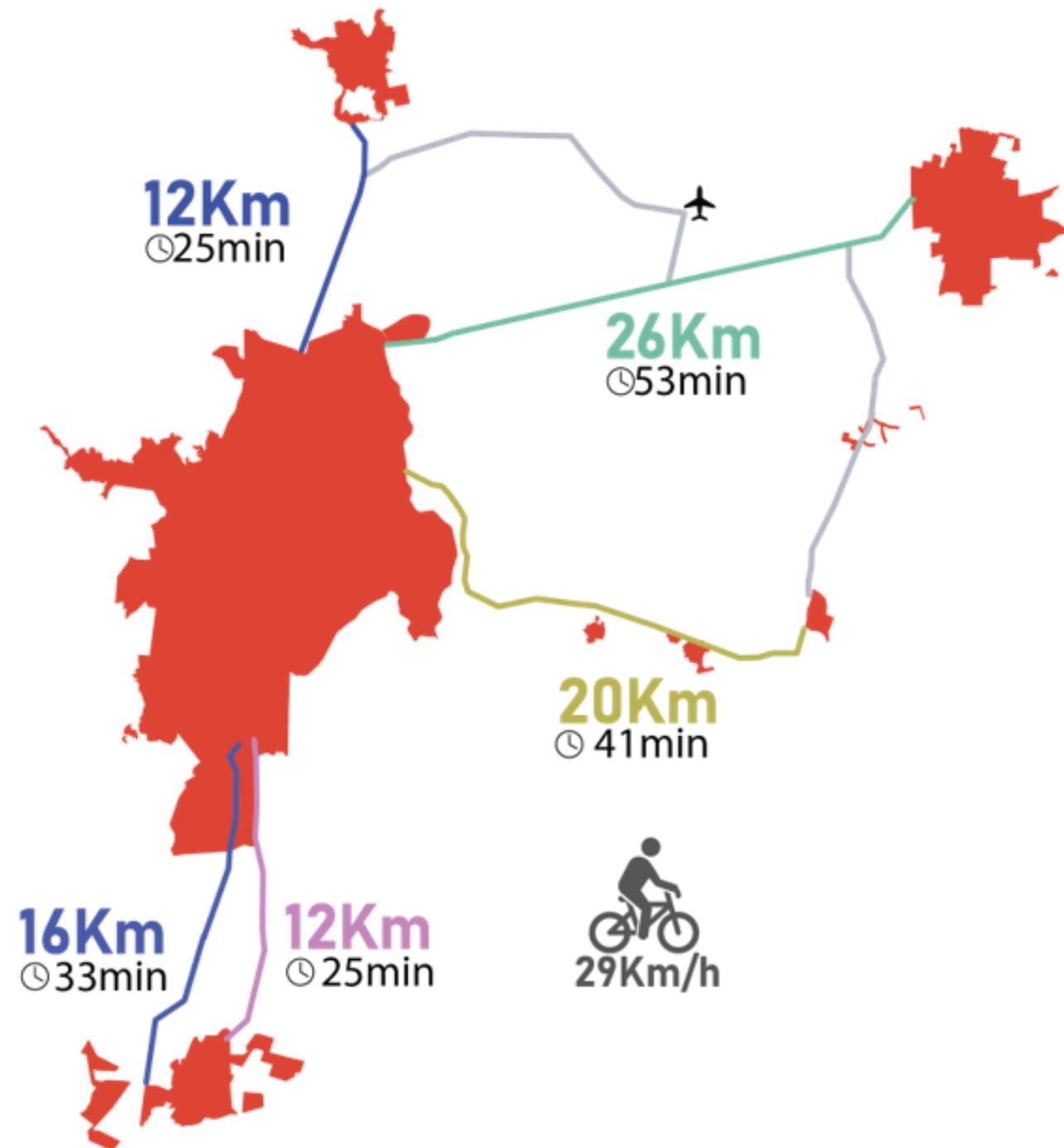
A network of active mobility that will connect the different urban centers that make up the Cali metropolitan area.

Green infrastructure planning processes and active and more sustainable transportation system.

Encourage behavioral change among stakeholders and users in the transition to more sustainable modes of transportation.

Develop new capacities in local governments to develop innovative approaches to co-creation, co-design and financing of green infrastructure projects.

Define a framework of analysis to measure avoided emissions and co-benefits from walking, cycling and alternative modes of travel.



## ■ Project stakeholders



Stage 1 sponsor



Stage 1: Implementing partner



Permanent facilitator in the ongoing dialogue with the municipalities

### National Government

#### Ministry of City, Housing and Territory

Partner in the promotion of metropolitan projects.

#### Ministry of Environment and Sustainable Development

Partner in formulation of MRV instrument

#### Ministry of Transportation

Partner in validation of MRV instrument

### Emerging network

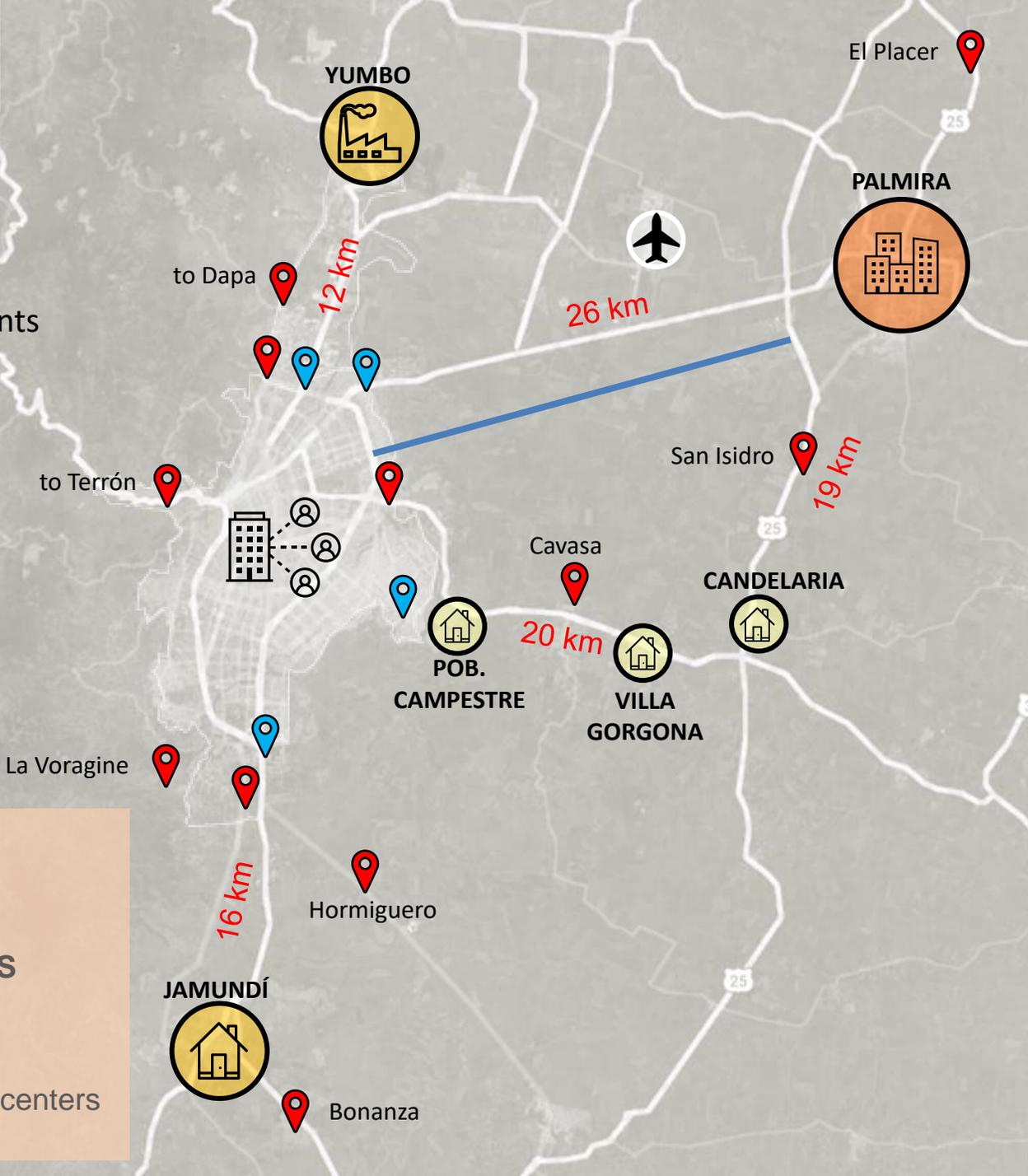
- Regional Government
- National road infrastructure entities
- Local bike groups
- Local universities
- Local companies
- Road concessionaires

### Local governments from:

- Cali
- Candelaria
- Jamundí
- Palmira
- Yumbo

# FIELDWORK SUMMARY

-  Main station BRT
-  Relevant connection points



## TYPES OF USERS

- Sport: use of the roadway, with safety equipment.
- Recreational
- Study/work motivation: workers, schoolchildren.



## RELEVANT ASPECTS

- Low slope
- Natural shade
- Long distances
- Warm weather
- Heavy-duty vehicles
- High speed
- Road safety: Accident rates and thefts.
- Poor lighting conditions
- Discontinuity: dangerous road crossings



## KEY GENERAL ISSUES

- Commuter train
- Intermodality: BRT
- Public bicycle system
- Connection to small urban centers

## ■ Key challenges



**Territorial  
jurisdiction**



**Management  
of funding  
sources**



**Infrastructure  
alignment**



**Need to improve  
citizen culture and  
road safety**



Special thanks to ARUP and UK PACT for the information provided for the development of this presentation. Also to Invest Pacific and Cali Valle Bureau for the territory characterization data.

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