



# The Colombian railway system

November 8th 2018



GOBIERNO  
DE COLOMBIA



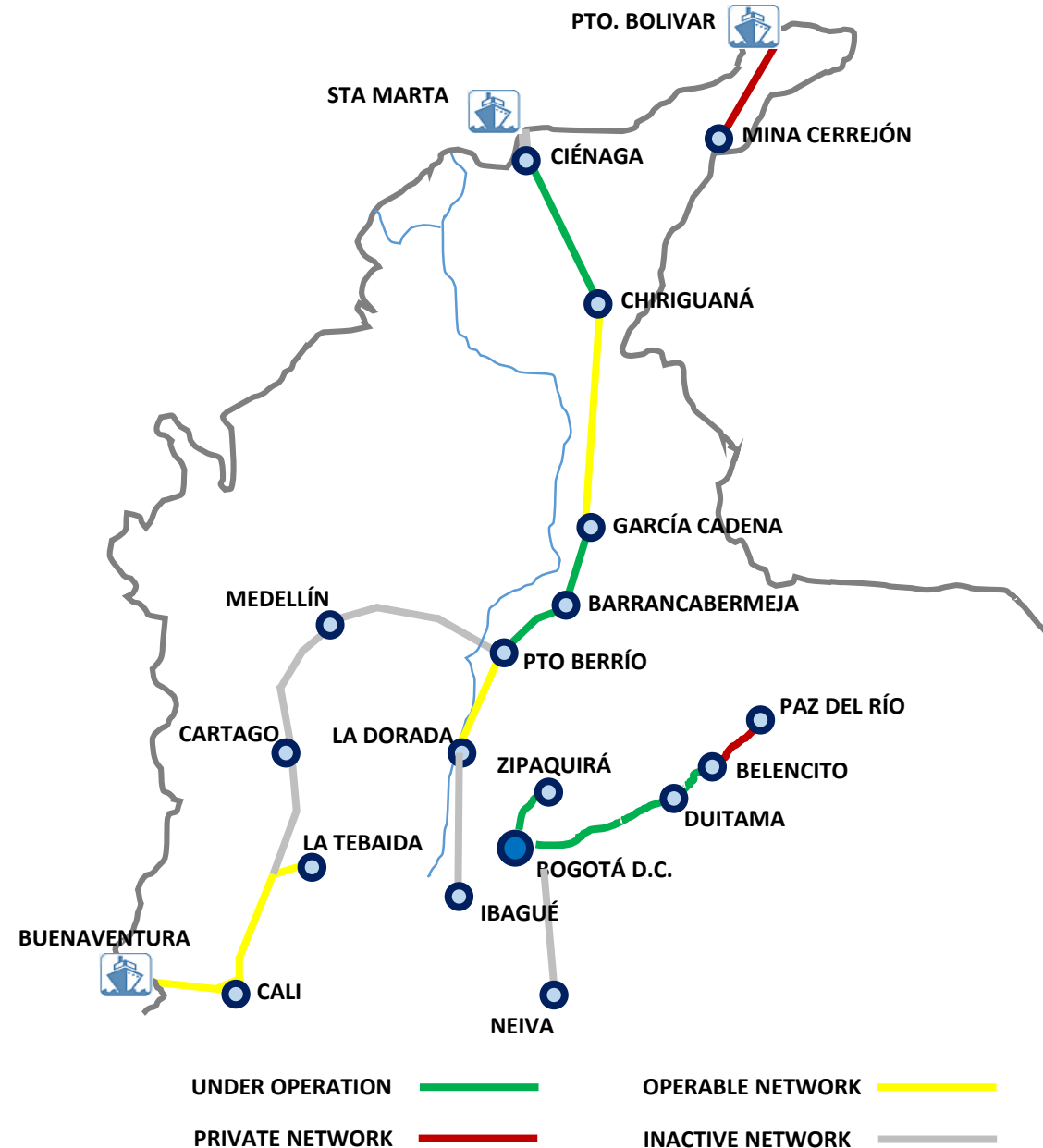
MINTRANSPORTE

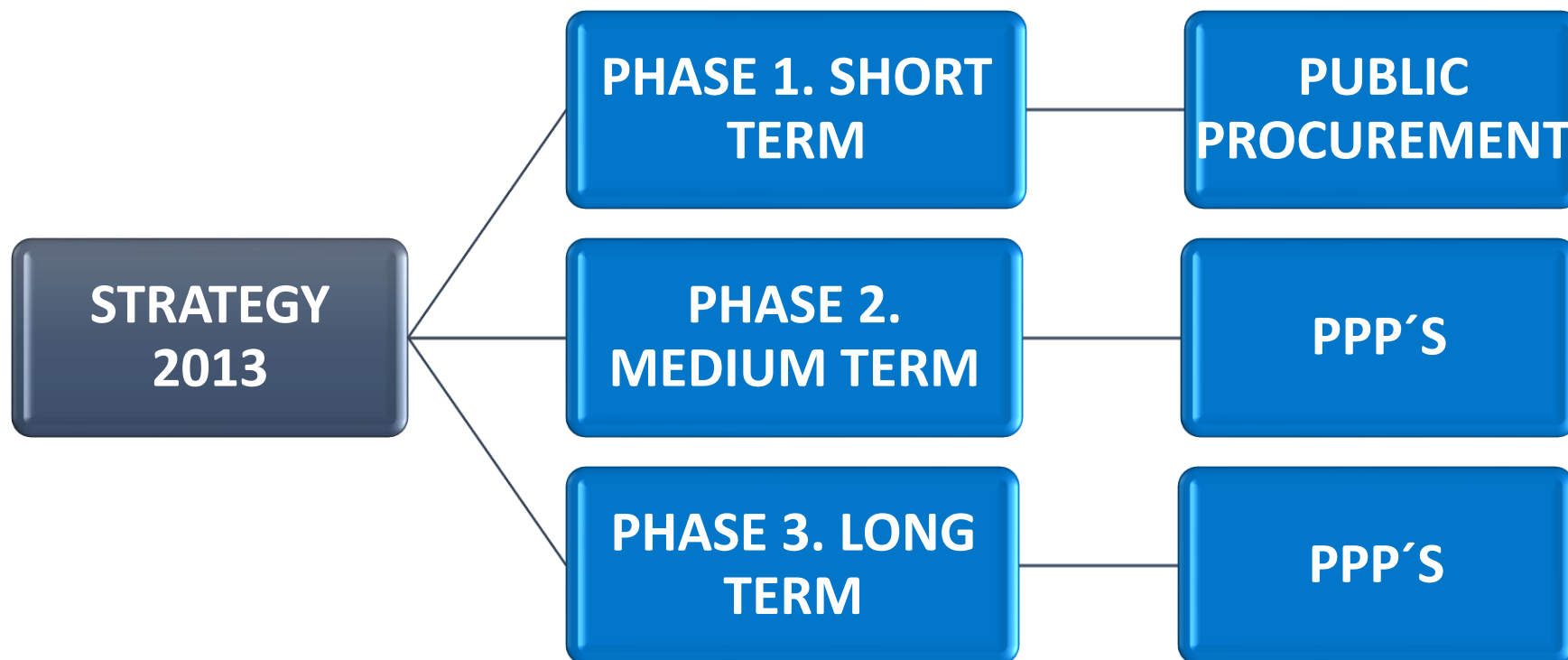


Agencia Nacional de  
Infraestructura

# Current situation

- **Total network 3.300 km**
- **Inactive network 1.510 Km**
- **Operational network 1.045 km**
- **Network running 625 km**
- **Two concessions**
- **Two private lines**
- **A disarticulated network**
- **80 MT per annual**
- **Narrow gauge (914 mm)**
- **Huge challenges**







## Short term goals – Public procurement processes

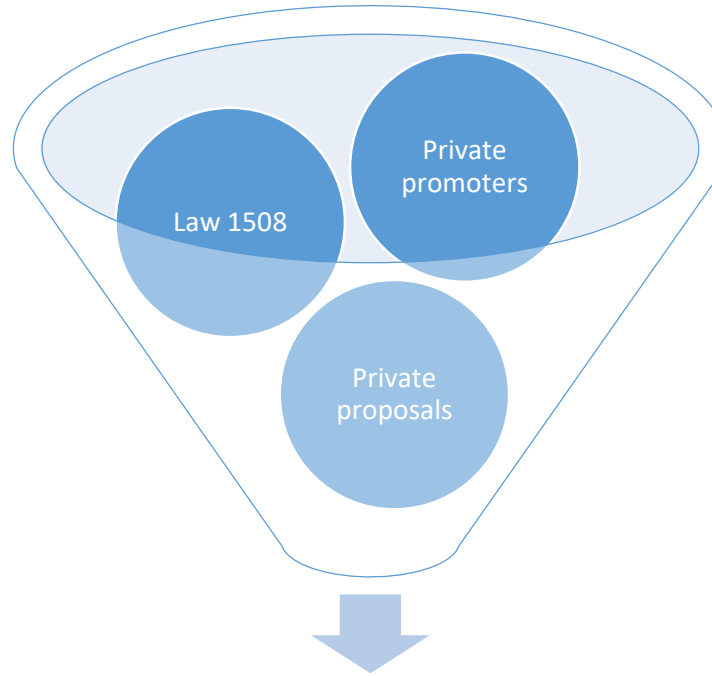
- Investment of around US \$ 160 million
- Satisfactory attention to approximately 150 damages on the track of the corridors Dorada – Chiriguaná and Bogotá – Belencito
- Total restoration of passability of both corridors
- Successful operation of 4 test trains
- Operations restart in the Bogotá – Belencito corridor for cement transportation



## Medium and long term goals - PPPs

- PPP projects of private initiative evaluated: 30
- PPP projects of private initiative approved: 0
- Only 1 Project of private initiative was partially successful but it was necessary to change its status from private to public initiative
- The PPPs legal framework did not achieve success in the railway mode

# Results of rail strategy 2013



- The limit of public resources is insufficient
- Much more participation of the government is required, both in financing projects and in the structuring process.
- Institutional strengthening is required
- Roles and responsibilities of rail organisms and authorities must be defined with high clarity
- Standardisation and regulation is outdated

# Procurement model for railways in Colombia

## **INFRASTRUCTURE** **PUBLIC PROCUREMENT**

**100% Public resources**

**No ROI expected**

**Low track usage charge**

**Scope:**

**Rehabilitation**

**Upgrade**

**Construction**

## **O&M and Rolling stock** **PPP Scheme**

**70%- 100% Private  
resources**

**ROI expected but at  
competitive charging**

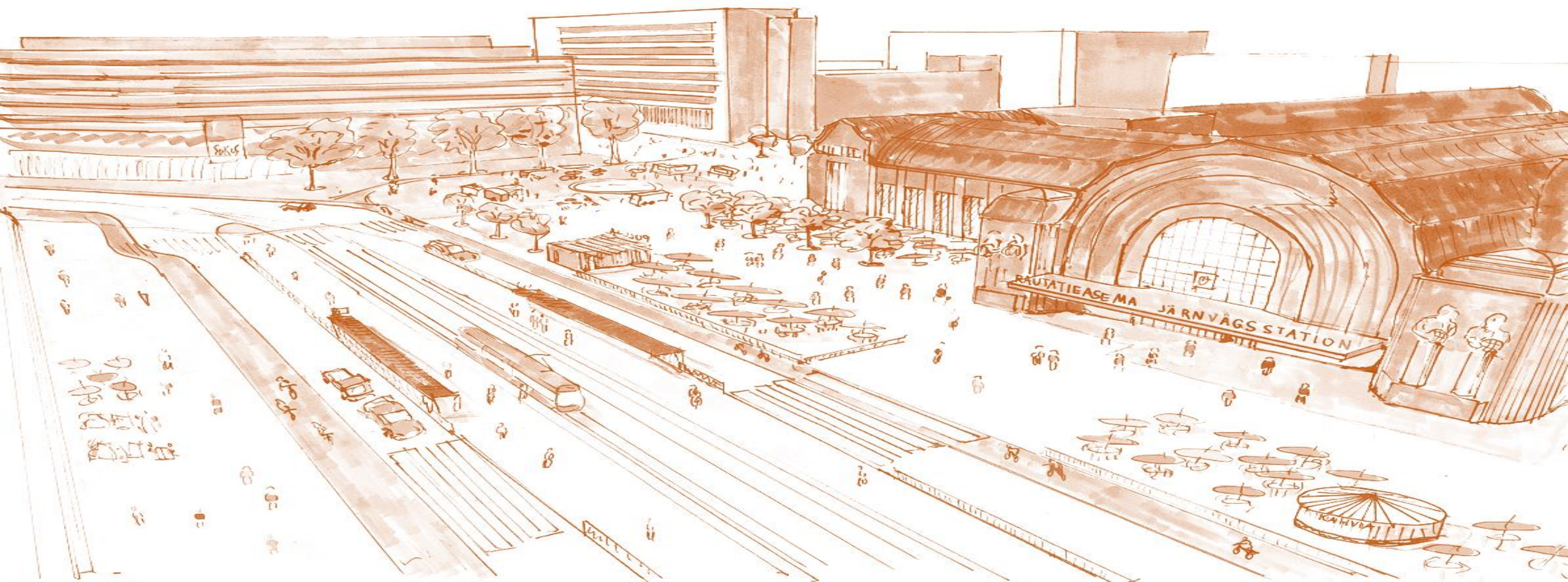
**Scope:**

**Rolling stock provision**

**Maintenance**

**Operation**

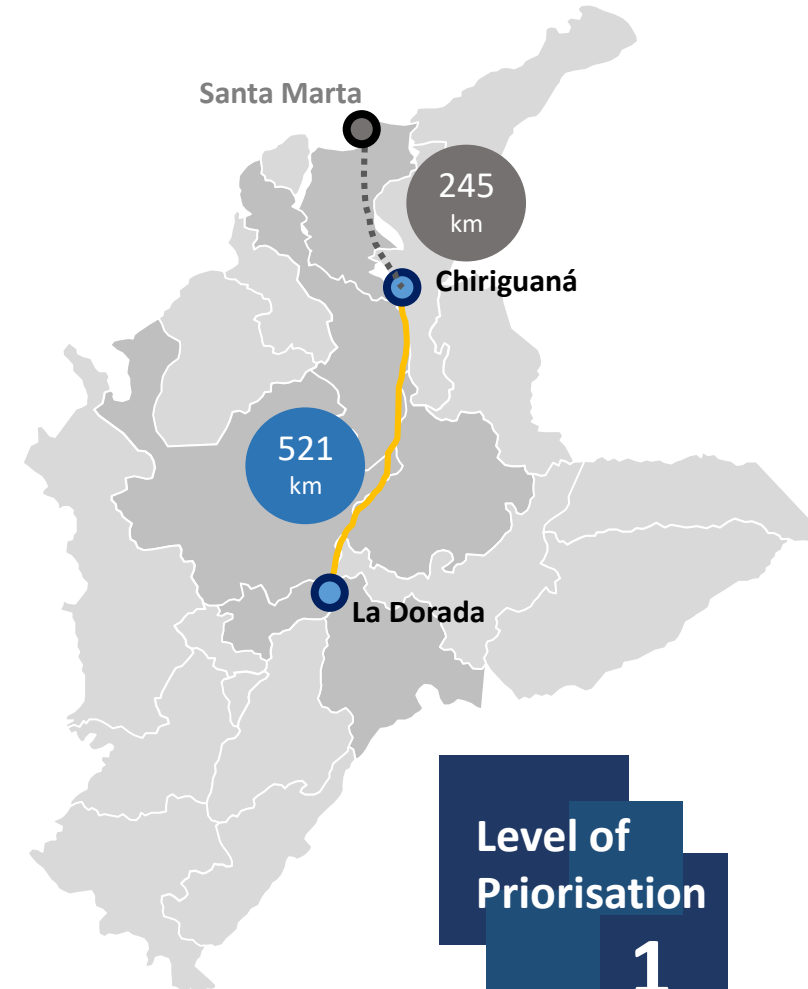




# Projects list

# Dorada – Chiriguana Public Initiative

CAPEX	US \$ 330 Million
CORRIDOR LENGTH	521 km
PROJECT DEVELOPER	Financiera de Desarrollo Nacional
ESTIMATED OPEX	US \$850 Million
DEMAND FORECAST	5 million ton/annual (2023)
SCOPE	Rail profile 90 lb/yd Continuous welded rail 100% concrete sleepers Ballast replacement Track alignment and leveling Bridges reinforcement Signalling and control
PROCUREMENT MECHANISM	Infrastructure – Public procurement  O&M + Rolling stock – PPP



Level of  
Priorisation

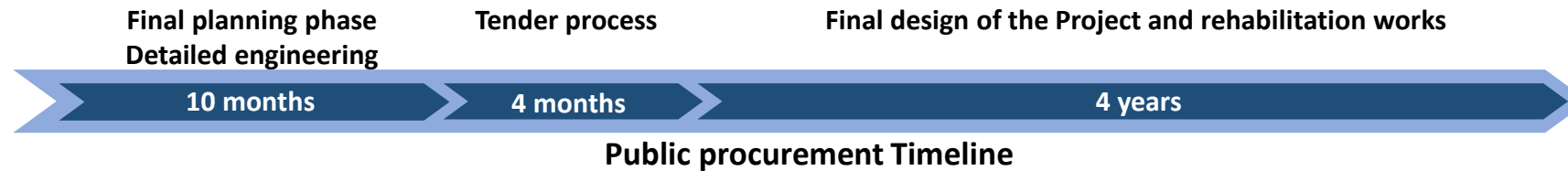
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Structuring in process



# Dorada – Chiriguaná Public Initiative

## Public procurement – Infrastructure Rehabilitation (100% Public resources)



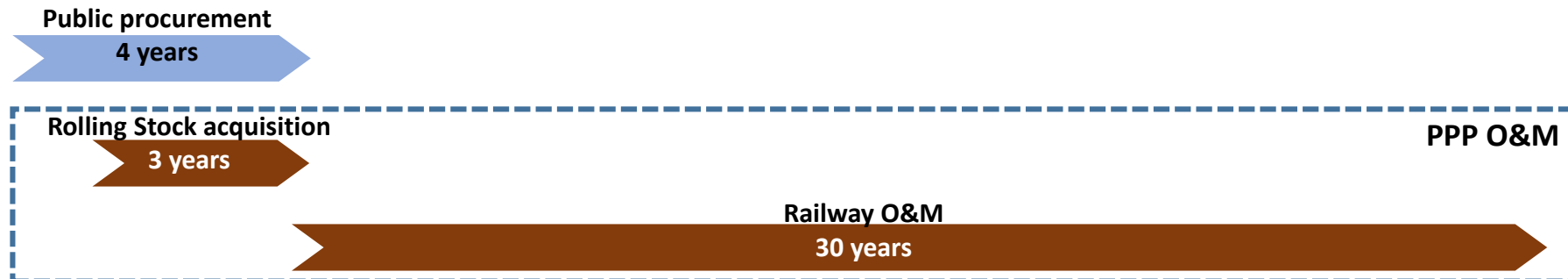
## PPP – Rolling Stock acquisition and O&M (100% Private resources)

Estimated number of locomotives: 15

Estimated number of rail cars: 300

Estimated Opex: US \$ 850 Million

Demand Forecast: 5 M ton/annual



# Bogotá – Belencito Public Initiative

CAPEX	US \$ 300 Million
CORRIDOR LENGTH	262 km
PROJECT DEVELOPER	Financiera de Desarrollo Nacional
ESTIMATED OPEX	US \$ 600 Million
DEMAND FORECAST	1.5 million ton/annual (2025)
SCOPE	Rail profile 90 lb/yd Continuous welded rail 100% concrete sleepers Ballast replacement Track alignment and leveling Bridges reinforcement Signalling and control
PROCUREMENT MECHANISM	Undefined

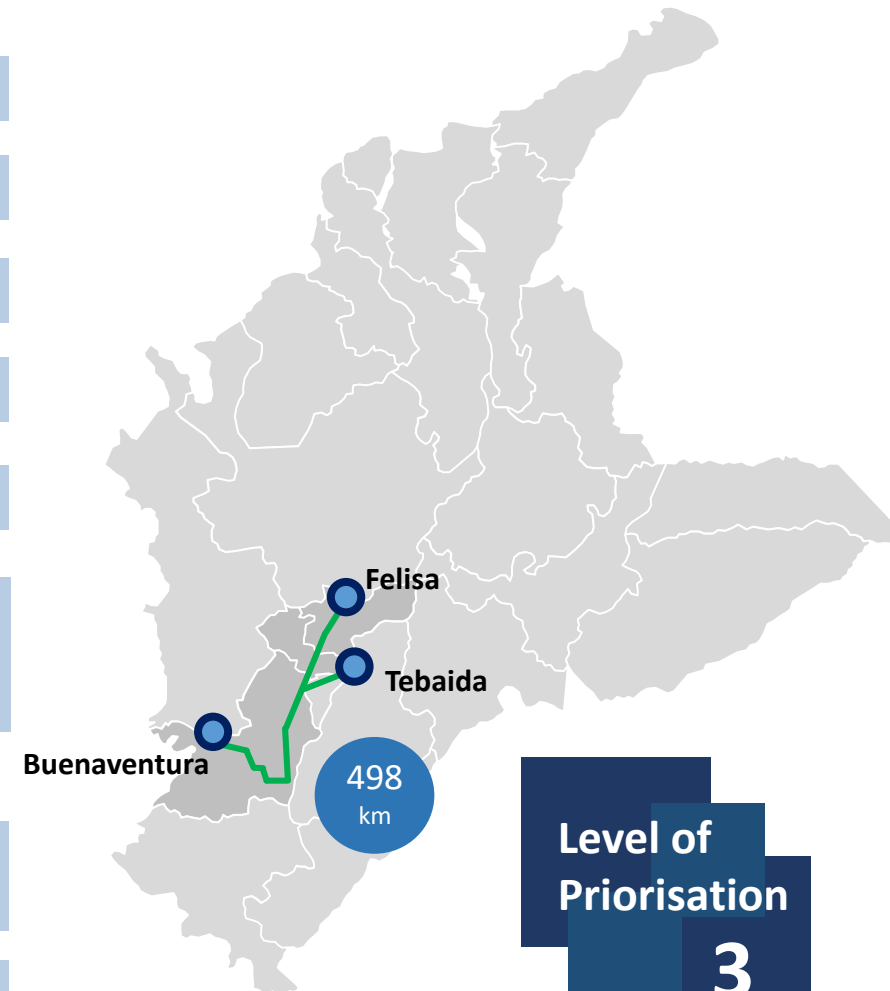


Level of  
Priorisation  
2

Structuring in Standby

# Red del Pacífico Public Initiative

CAPEX	US \$ 1,7 Billion
CORRIDOR LENGTH	498 km
PROJECT DEVELOPER	Financiera de Desarrollo Nacional
ESTIMATED OPEX	US \$ 1 Billion
DEMAND FORECAST	4 Million ton/annual
SCOPE	Route improvement (100 km) Partial rail replacement Sidings construction (10 km)
CURRENT STATUS	Legal Penalty process Arbitration court in process
PROCUREMENT MECHANISM	Undefined



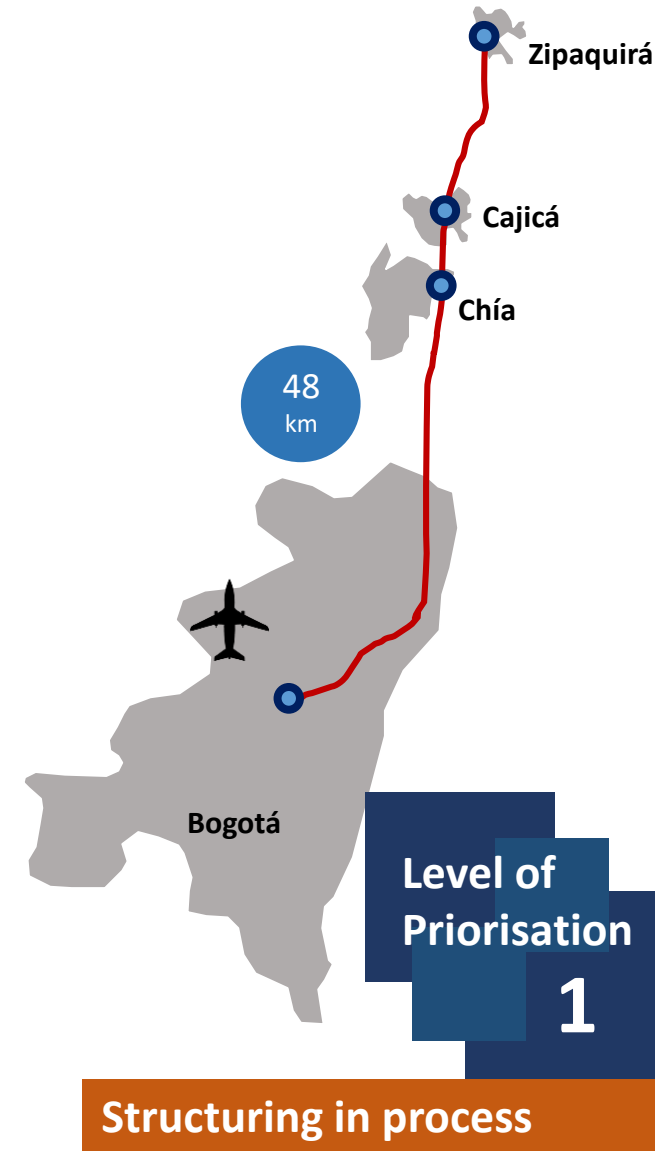
Level of  
Priorisation

3

Structuring in Standby

# Light Rail Bogotá - Zipaquirá Public Initiative

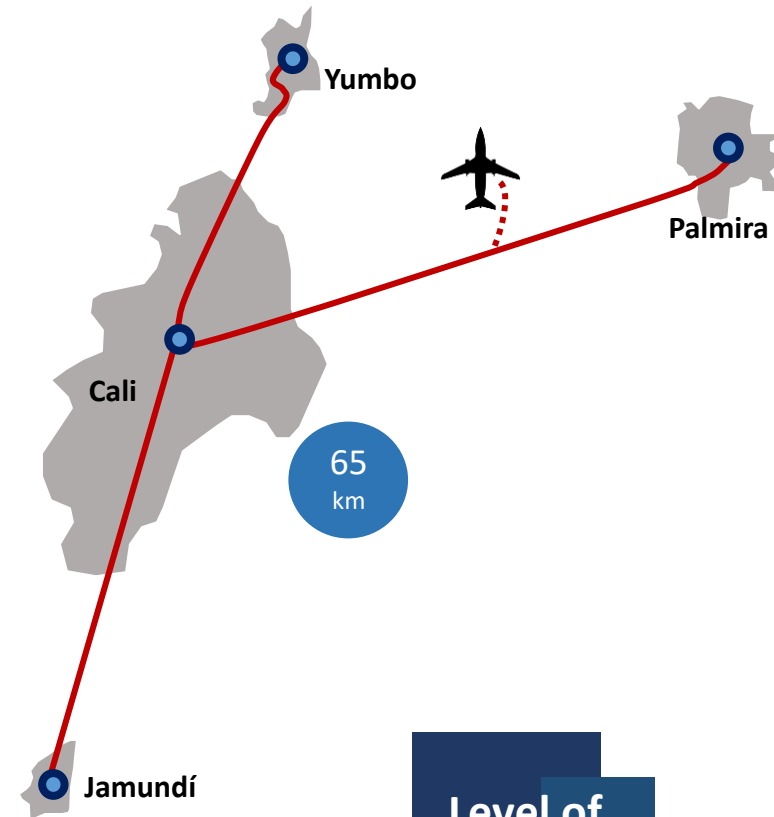
CAPEX	US \$ 400 Million
CORRIDOR LENGTH	48 km
PROJECT DEVELOPER	Findeter
ESTIMATED OPEX	US \$ 1,2 Billion
DEMAND FORECAST	200,000 passengers/day
CURRENT STATUS	Without previous studies
PROCUREMENT MECHANISM	To define with basis on the feasibility studies
STUDIES DURATION	1 year
STUDIES KICK OFF	September 2018





# Light rail of Cali Public Initiative

CAPEX	US \$ 430 Million Billones
CORRIDOR LENGTH	65 km
PROJECT DEVELOPER	Findeter
ESTIMATED OPEX	US \$ 1.7 Billion
DEMAND FORECAST	180,000 passengers/day
CURRENT STATUS	Prefeseability studies in process
PROCUREMENT MECHANISM	To define with basis on the feasibility studies
STUDIES DURATION	1 year
STUDIES KICK OFF	September 2019



Level of  
Priorisation  
**2**

Structuring in Standby