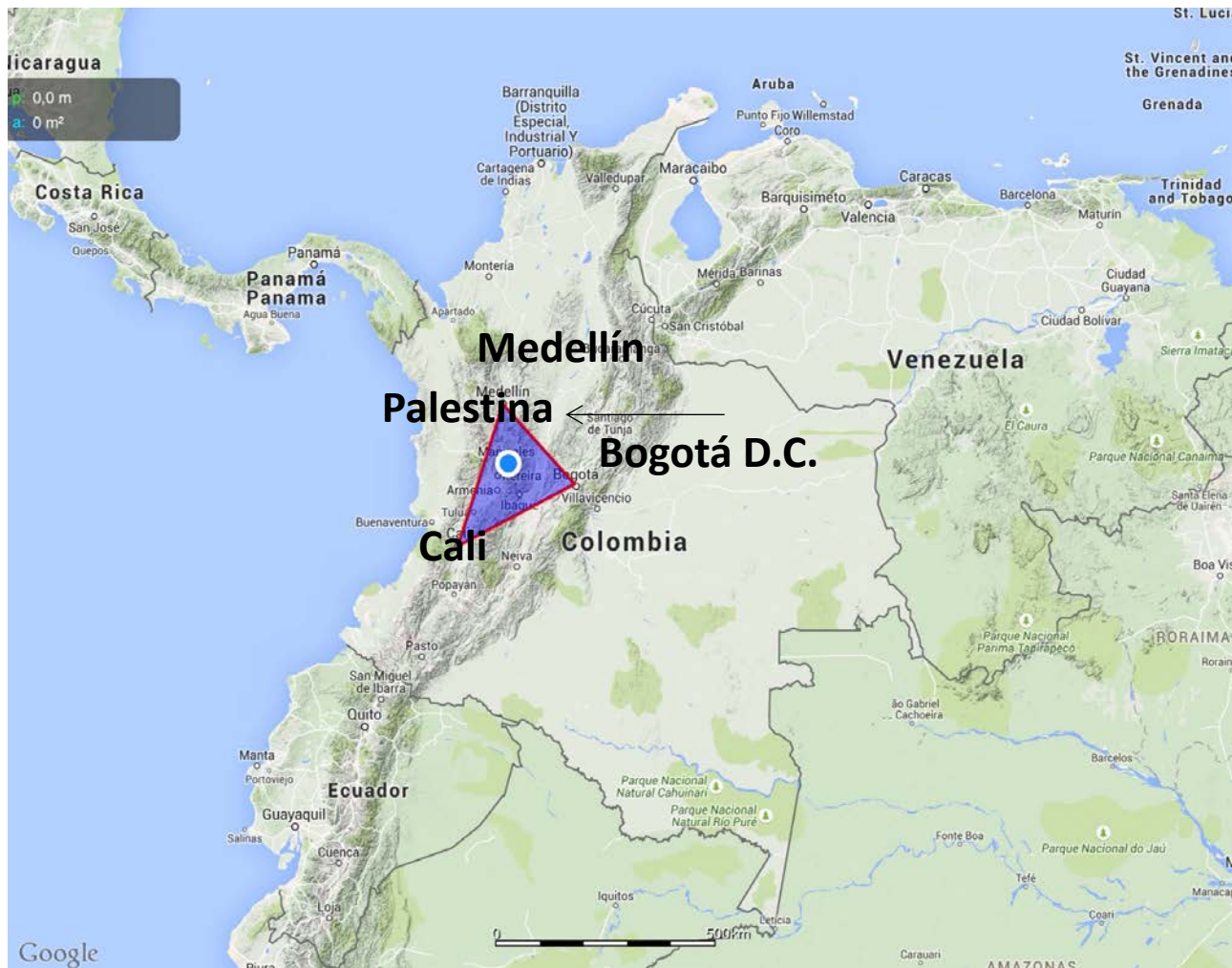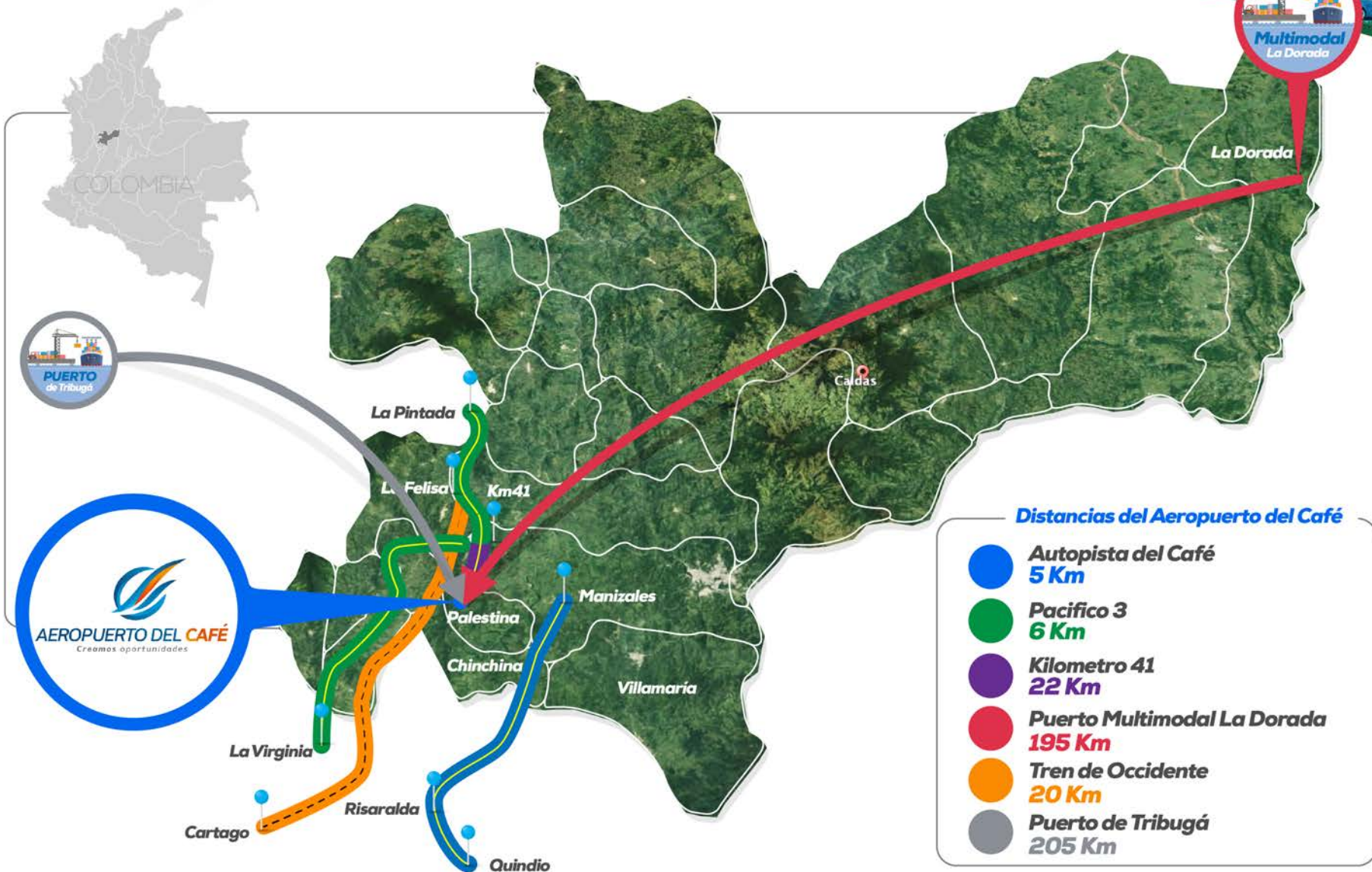# AEROPUERTO DEL CAFÉ

Creamos oportunidades

"Golden Triangle" is the country's economic dynamo:

➤ 56% of the population.
➤ 75% of PIB
➤ 76% of manufacturing production
➤ 73% of the services sector.
➤ 75% of all commerce.

AEROPUERTO DEL CAFÉ
Creamos oportunidades

COLOMBIA

Multimodal
La Dorada

La Dorada

La Pintada

La Felisa

Km41

Caldas

PUERTO
de Tribugá

AEROPUERTO DEL CAFÉ
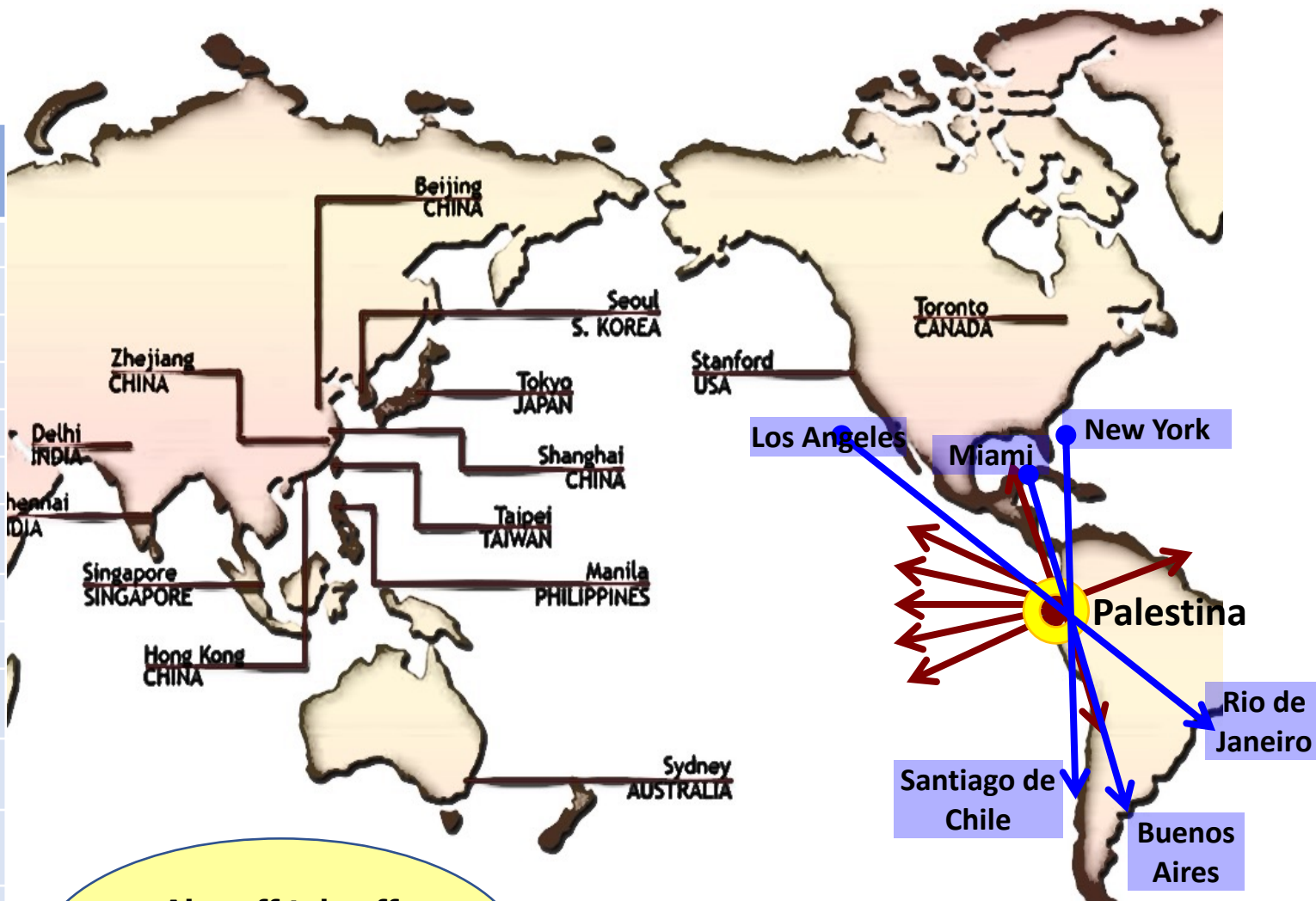Creamos oportunidades

Palestina

Manizales

Chinchina

Villamaria

La Virginia

Cartago

Risaralda

Quindio

Distancias del Aeropuerto del Café

Autopista del Café
5 Km

Pacifico 3
6 Km

Kilometro 41
22 Km

Puerto Multimodal La Dorada
195 Km

Tren de Occidente
20 Km

Puerto de Tribugá
205 Km

Ruta	Millas Náuticas**
Hawaii	4760
Tahiti	4600
Paris	4712
Madrid	4376
London	4628
Washington	2020
San Francisco	3214
Los Angeles	2929
Montreal	2420
Buenos Aires	2568
Río de Janeiro	2544
Santiago de Chile	2318
Pekin	8032 (Vía Hawái)
Shangai	8420
Camberra	7790 (Vía Tahití)

Beijing CHINA

Seoul S. KOREA

Zhejiang CHINA

Tokyo JAPAN

Shanghai CHINA

Delhi INDIA

Taipei TAIWAN

Chennai INDIA

Manila PHILIPPINES

Singapore SINGAPORE

Hong Kong CHINA

Sydney AUSTRALIA

Toronto CANADA

Stanford USA

Los Angeles

Miami

New York

Palestina

Rio de Janeiro

Santiago de Chile

Buenos Aires

Aircraff takeoff capacity at 100% vs. 80% and 70% Bogota and Medellin *

Southern Header
X=1161474.4777
Y=1045565.6379

K3+600

Airport Infrastructure
(Terminal and Platform)

Municipality of Palestina a 26 kms from Manizales

TWR

General aviation and SEI
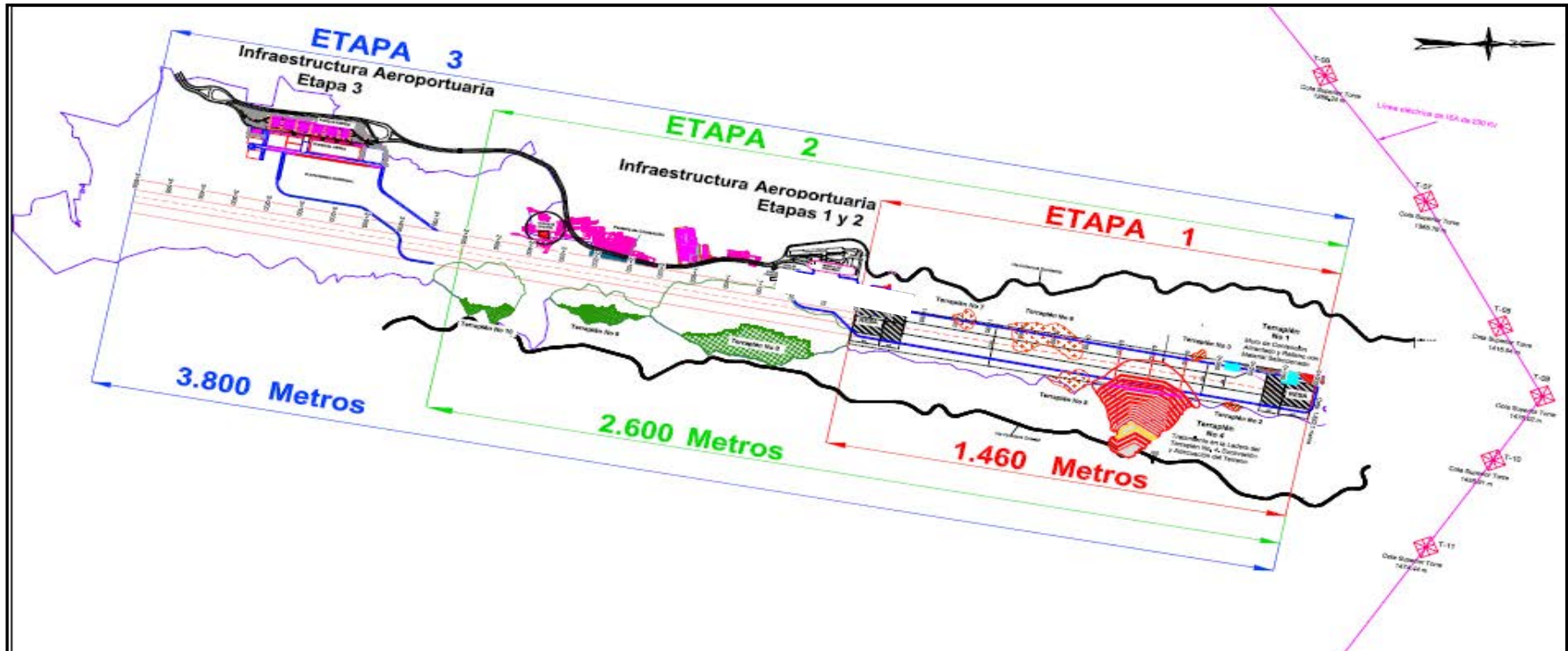
3.800 meters track

Height SNM 1.535 M
Average slope1%
Temperature prom 19°c

K0-200

Northern Header
X=1162236.7273
Y=1049288.4044
Clear way 300M

Soaring www.soaring.com.co

Construction Proposal of the Project by Stages

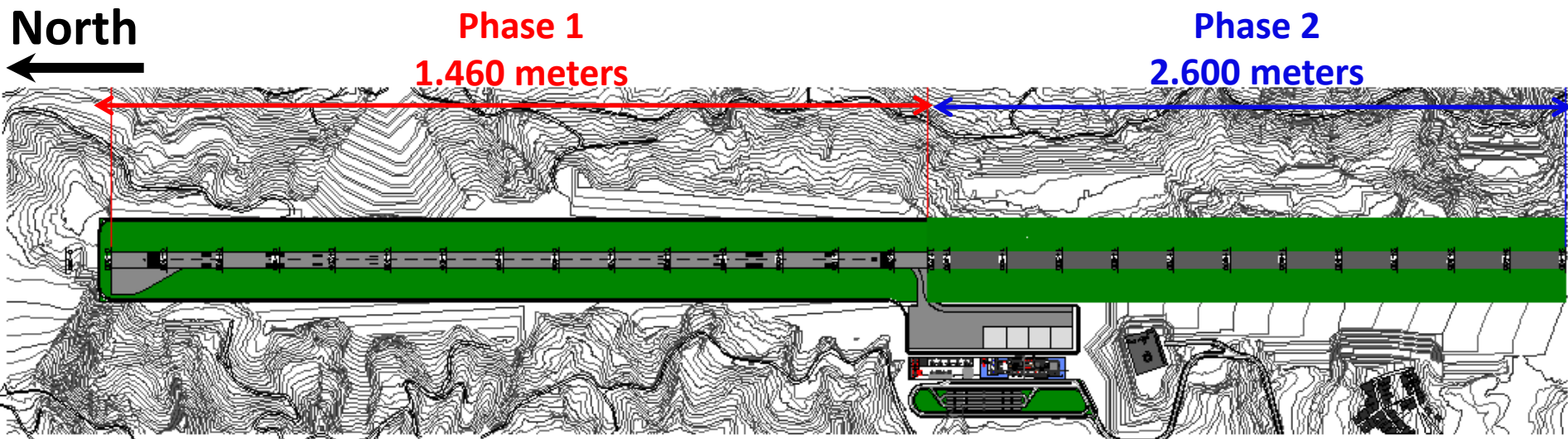| Stage	TRACK LENGTH (Meters)	AIRPLANE TYPE	CAPEX BUDGET (Millions)	OPEX BUDGET (Millions)	CAPEX TERM	OPEX TERM	Studies and Designs
I	1.460	ATR 72	US $ 140	US $ 74	3 years	26 years	Phase III
II	2.600	A320-200	US $ 275 +	US $ 107	3 years	26 years	Phase III
III	3.800	B747-400	US $ 185 + (indexes)	Not Applicable	30 months	Not Applicable	Works in land side -

AVAILABLE STUDIES AND DESIGNS

1. Studies and Complete Designs Phase III for stages 1 and 2 of the project.
2. Phase II Architectural, Structural, Electrical designs and voice and data for stage III.
3. Air Operation Studies.
4. Noise Modeling Studies.
5. Wind Studies
6. Beacon Design and Track Signaling.
7. Design of Pavements.
8. Real State Acquisition: 90%.
9. Environmental license for stage I of the project (track 1.460 ML)
10. Socioeconomic Feasibility Study of the airport and its impact on regional development.
11. Study of operational safety.

SOCIOECONOMIC STUDY

DELIVERABLE	NAME OF THE DELIVERABLE
1	REPORT REVIEW OF DOCUMENTS ATKINS AND DELOITTE - METHODOLOGY
2	DETAILED ANALYSIS OF THE CAPACITY OF THE REGIONAL AIRPORTS (AIR TRAFFIC) AND PROJECT CAPTATION ANALYSIS
2.1	METHODOLOGY TO BE APPLIED
2.2	PROGNOSTICS OF TRAFFIC
3	ANALYSIS OF CONNECTIVITY AND ACCESS TO THE AIRPORT
4	SOCIOECONOMIC STUDY
5	FINANCIAL STUDY
6	STUDY OF RISKS AND CPP
7	FINAL REPORT

Airport Infrastructure Project

General Plant of the Project

North

Phase 1
1.460 meters

Phase 2
2.600 meters

Passenger Terminal
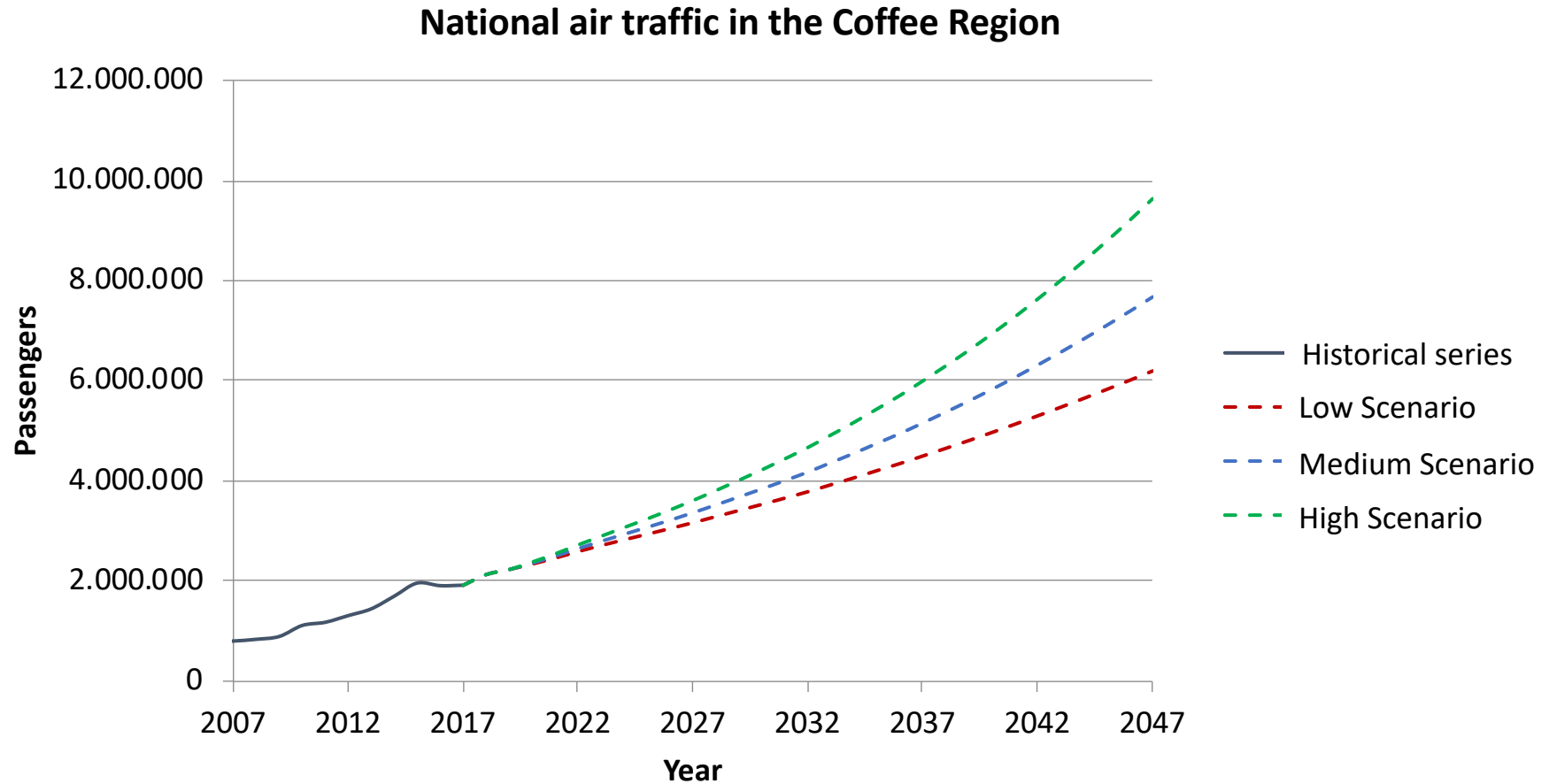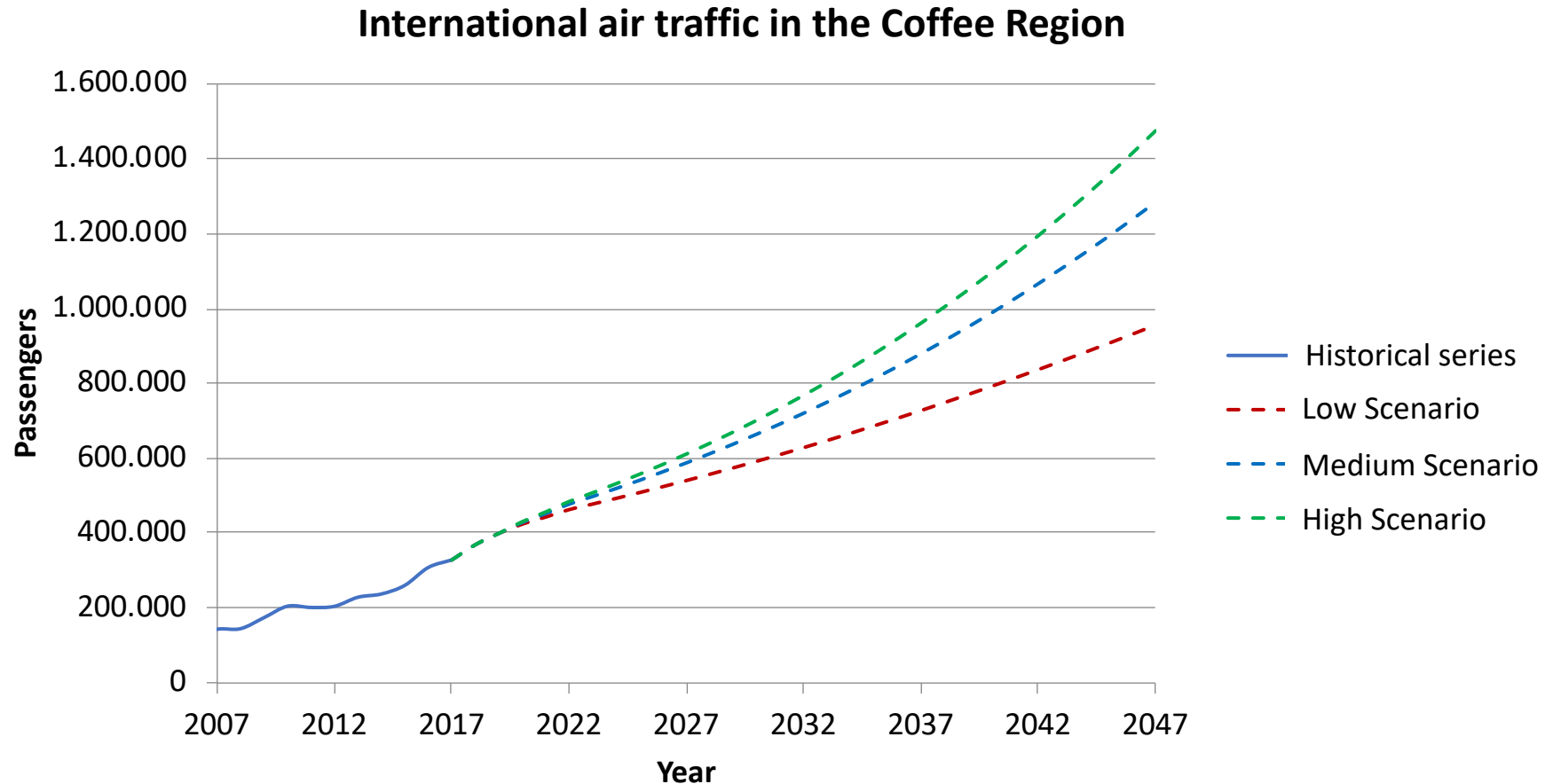
Control Tower

Airport Infrastructure Project

Passenger Terminal and Control Tower – Air Side.

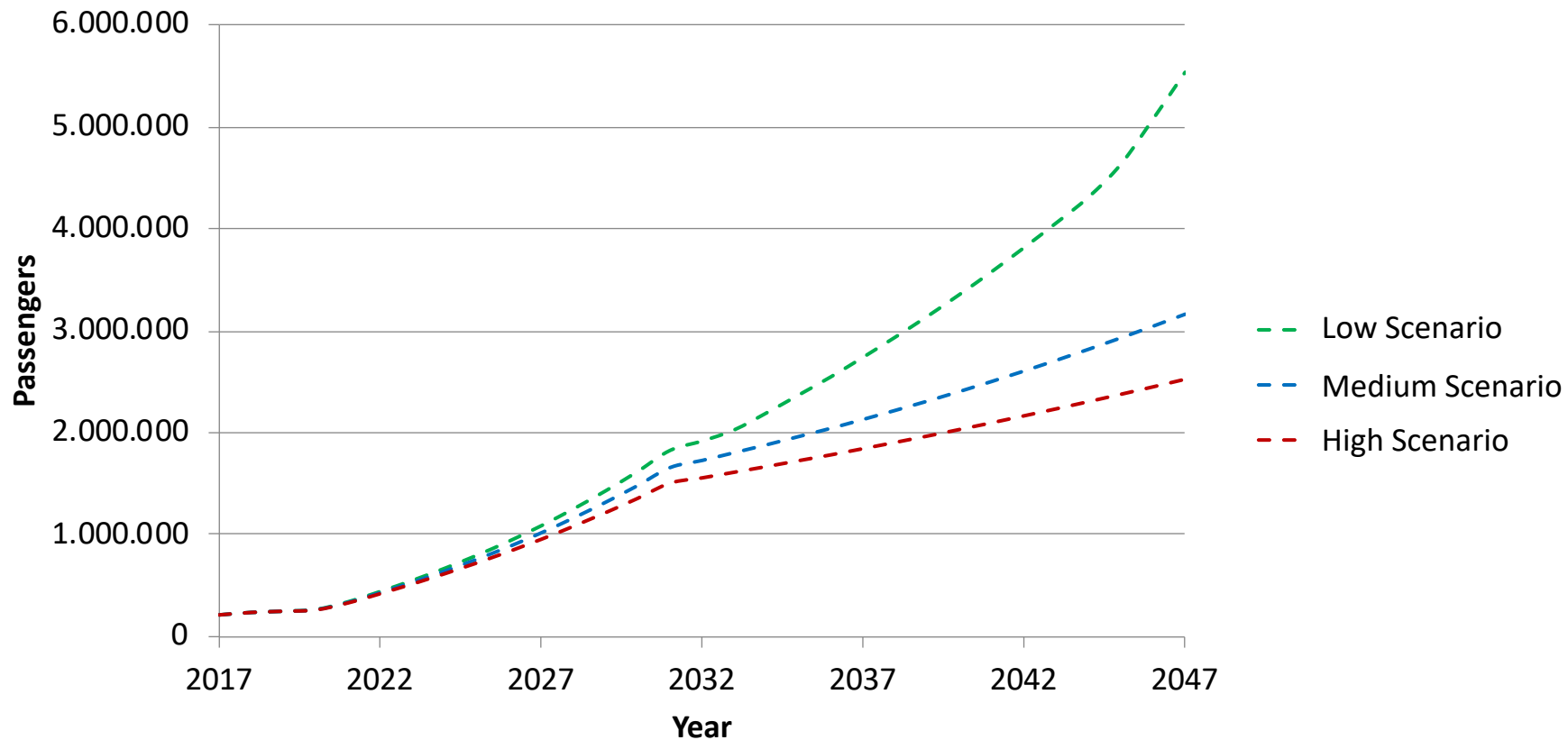# PROGNOSTICS NATIONAL TRAFFIC – EJE CAFETERO (COFFEE GROWING REGION)

National air traffic in the Coffee Region

PROGNOSTICS INTERNATIONAL TRAFFIC – EJE CAFETERO (COFFEE GROWING AXIS)

International air traffic in the Coffee Region

TRAFFIC OF AEROCAFE CONSIDERING THE AIRPORT CAPACITY OF THE COFFEE REGION (MATECAÑA, EDEN AND CARTAGO)

Passengers traffic - Aeropuerto del Café

"If passenger projections are in our favor, this means that in 10 or 12 years we will be mobilizing around 100 million passengers" – Director of the AerocivilCol

Economy

For 2030, Colombia will mobilize 94,3 millions of air travelers

Generates a total of **8.452** employments in the stages of construction and O&M*

Allows saving **10,32** minutes approx., of effective aircraft time.

It will benefit an average of **301 thousand** passengers annually due to the **greater reliability** on flights from/to Aerocafé**

Possibility of an average of **115 thousand** passengers and **528** international operations annually (Tourism)*

Housing benefits for **1.500** families for the disposition of the lands "La Nubia"***

* For scenarios that include Track Phases 2 and 3
**Compared with the current situation: La Nubia
***According to the POT of Manizales

Biodiversity

Caldas has:

158 species of mammals

80 species of fish

950 species of birds (30 endemics)

8 microclimates

Heights from 5.311 to 400 meters above sea level

Agroindustry

The variety of thermal floors in the Coffee Growing Region offers great diversity for agricultural production.

In 2017, **Caldas exported** around **400** containers of avocado.

In 2018, Caldas will reach **the 500 hectares planted with avocado**.

In 2030, 637 thousand tons of fresh fruit and vegetables will be exported in Colombia**.**

AEROPUERTO DEL CAFÉ
Creamos oportunidades

Tourism

AEROPUERTO DEL CAFÉ
Creamos oportunidades

In 2017, Colombia received **6.531.226 tourists**.

In the last five years, **7 new airlines** entered the country for a total of **27**.

International routes in Colombia went from 68 to **80**.

As of June 2018 in the Coffee Region, Caldas had the only rise in hotel occupancy, with a variation of **0.4 pp** and an **occupancy rate of 53.2%**, the highest in the region.

The Coffee Cultural Landscape ensures the tourist growth of the **411 veredas of the 47 municipalities** that make up its main area.

Commerce

In terms of competitiveness, Manizales held position 3 in 2017, among 23 metropolitan areas.

Exports of Caldas were $890,4 million FOB dollars. They grew 29,9% compared to 2016.

The GDP of Caldas grew 6.8% in 2017

Caldas, third department of Colombia with more growth and the first in the Coffee Region. It represented 1,8% of the national GDP.

AEROPUERTO DEL CAFÉ
Creamos oportunidades

Opportunity

MANIZALES

- It occupies the **first position** in security of the country.

- It is considered as a **cultural, recreational and sports** city.

- **4th** place in the competitiveness index.

- Manizales, **1st** place in **ease to do business**.

- It has the **best index of social progress** (IPS), it is the only city in Colombia with high IPS.

AEROPUERTO DEL CAFÉ
Creamos oportunidades

Infrastructure
Caldas is Nº 2

Basic domiciliary services, ICT infrastructure, accessibility to ports and airports, social infrastructure and road infrastructure.

AEROPUERTO DEL CAFÉ
Creamos oportunidades

Advances of the project

Socioeconomic study endorsed by the National Agency of Infrastructure ANI, which indicates that the project meets all the requirements of the DNP and current regulations

Impulse and technical support from Aerocivil so that the project meets the expectations of the population and is able to reach a successful conclusion with the work for the benefit of the region.

100 thousand million pesos for the Coffee Airport in the national budget for the 2019 period. This item allows to restart works of the desired project.