

INFRAESTRUTURA DE TRANSPORTES NO BRASIL: PANORAMA E OPORTUNIDADES

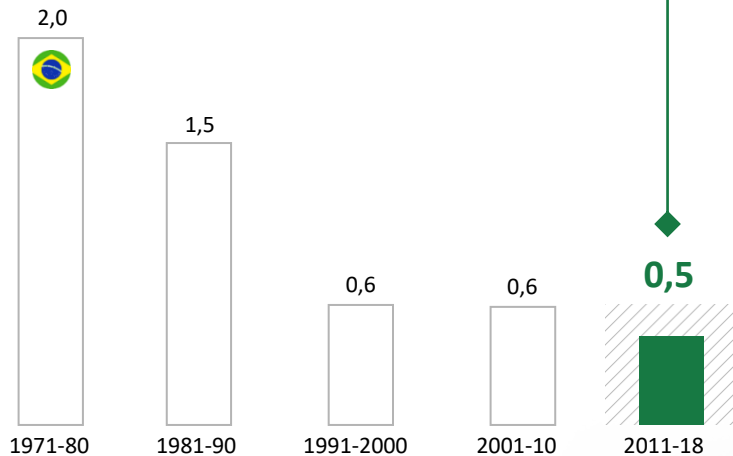
TRANSPORT INFRASTRUCTURE IN BRAZIL: OVERVIEW AND OPPORTUNITIES



CONTEXT

Countries of comparable size invest more than Brazil in infrastructure (0.3-0.5% of GDP in Brazil vs 1-5% in other countries)

Investments * in logistics infrastructure by country (% of GDP)

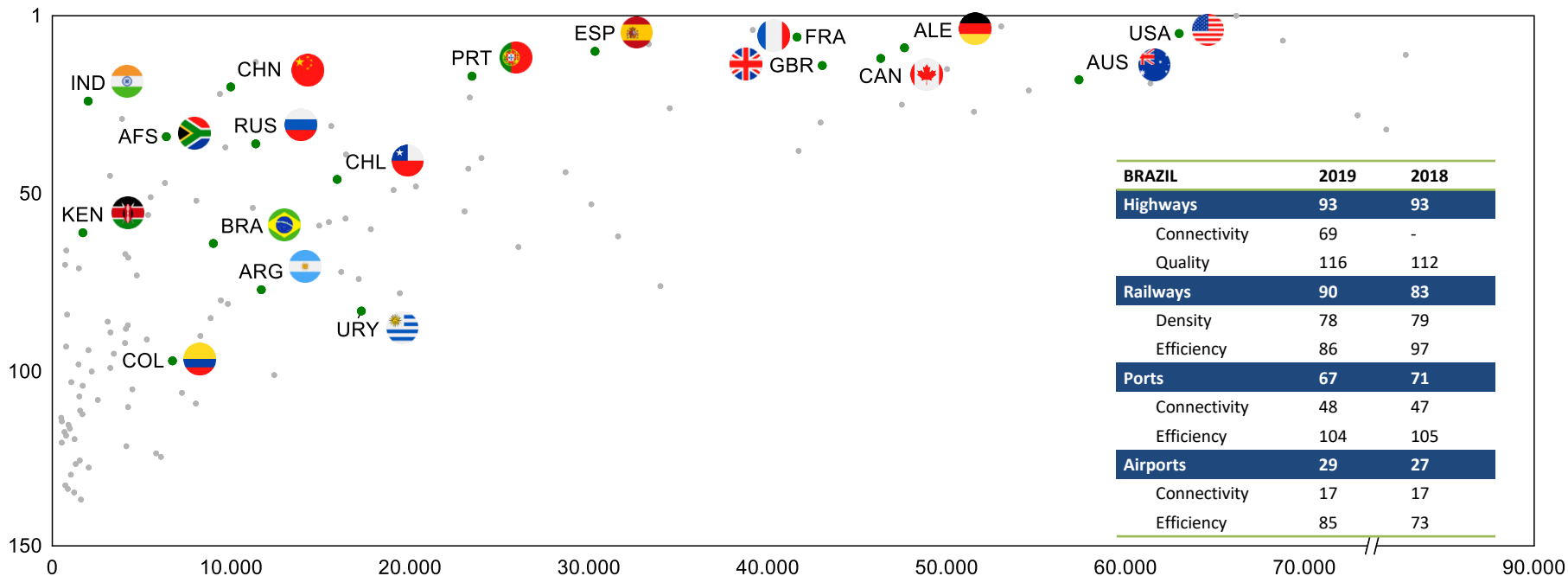


CONTEXT

Economic development is directly related to the transport infrastructure quality

Position in the transportation infrastructure ranking *

(2019)



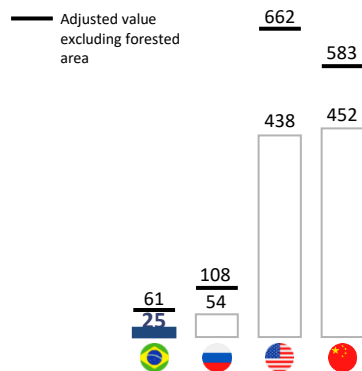
BRAZIL		
	2019	2018
Highways	93	93
Connectivity	69	-
Quality	116	112
Railways	90	83
Density	78	79
Efficiency	86	97
Ports	67	71
Connectivity	48	47
Efficiency	104	105
Airports	29	27
Connectivity	17	17
Efficiency	85	73

Brazil has great potential for expanding transport infrastructure



Highways

Road network density
(km / thousand km² of area)

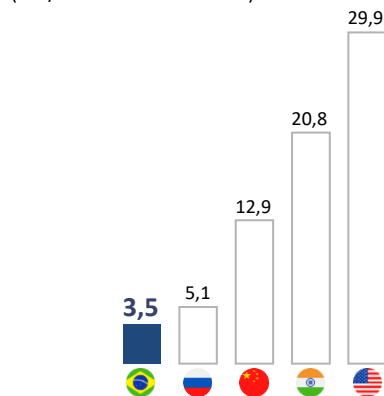


Density (km/ thousand km ²)				
Total	202	75	670	517
Duplicated	2	2	11	15



Railways

Rail network density
(km / thousand km² of area)

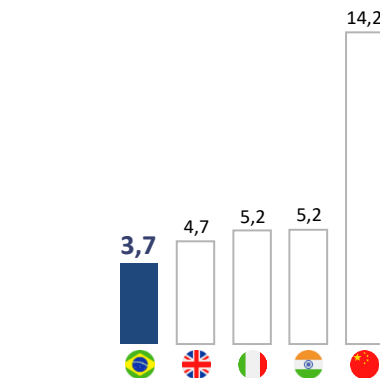


Extension (thousand km)	30	87	124	69	294
Area (Thousand km ²)	9	17	10	3	10



Ports

Port density
(# Berths / km of coast, 2018)

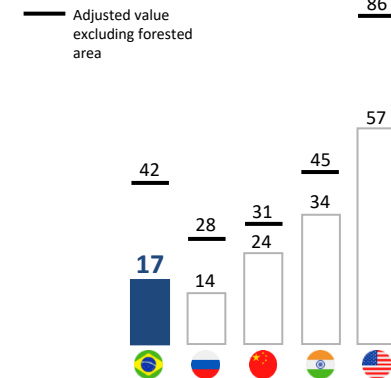


Berths (thousands)	28	58	39	39	205
Km de coast (thousand km)	7	12	8	8	15



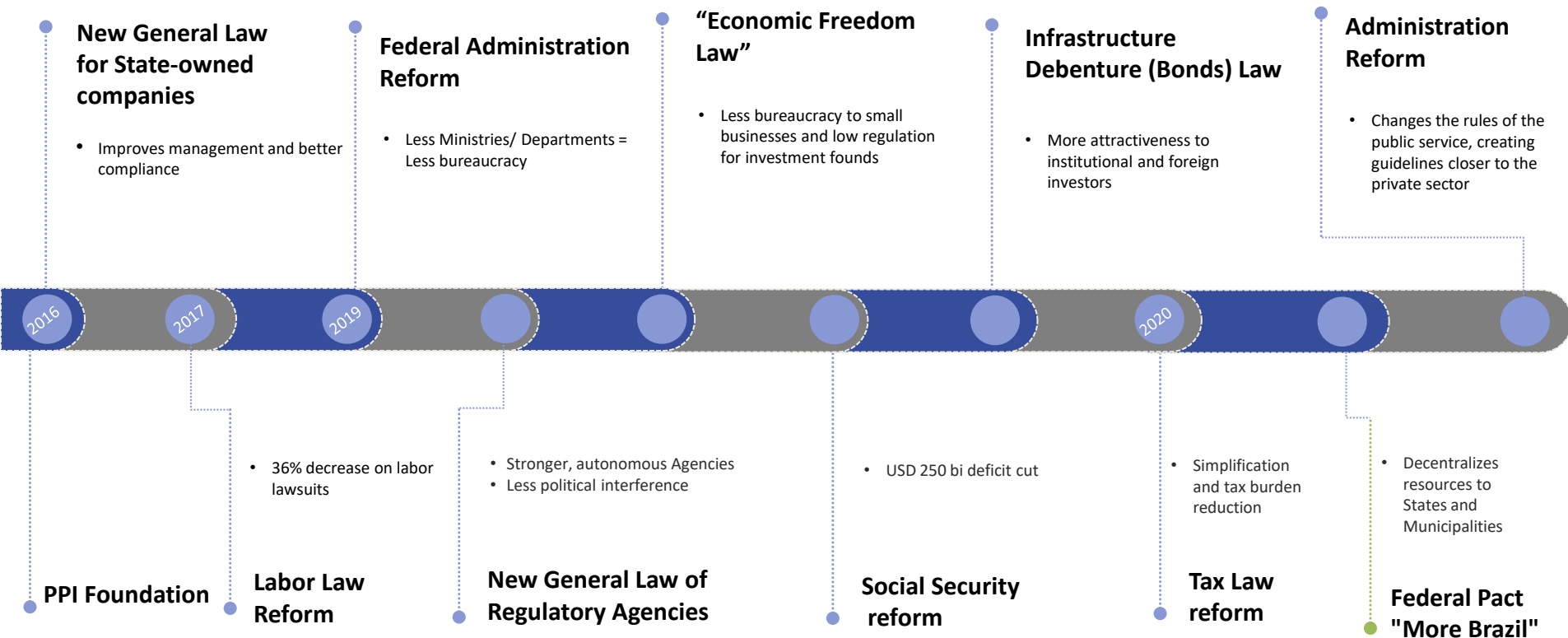
Airports

Airport density
(Commercial airports / Thousand km², 2018)

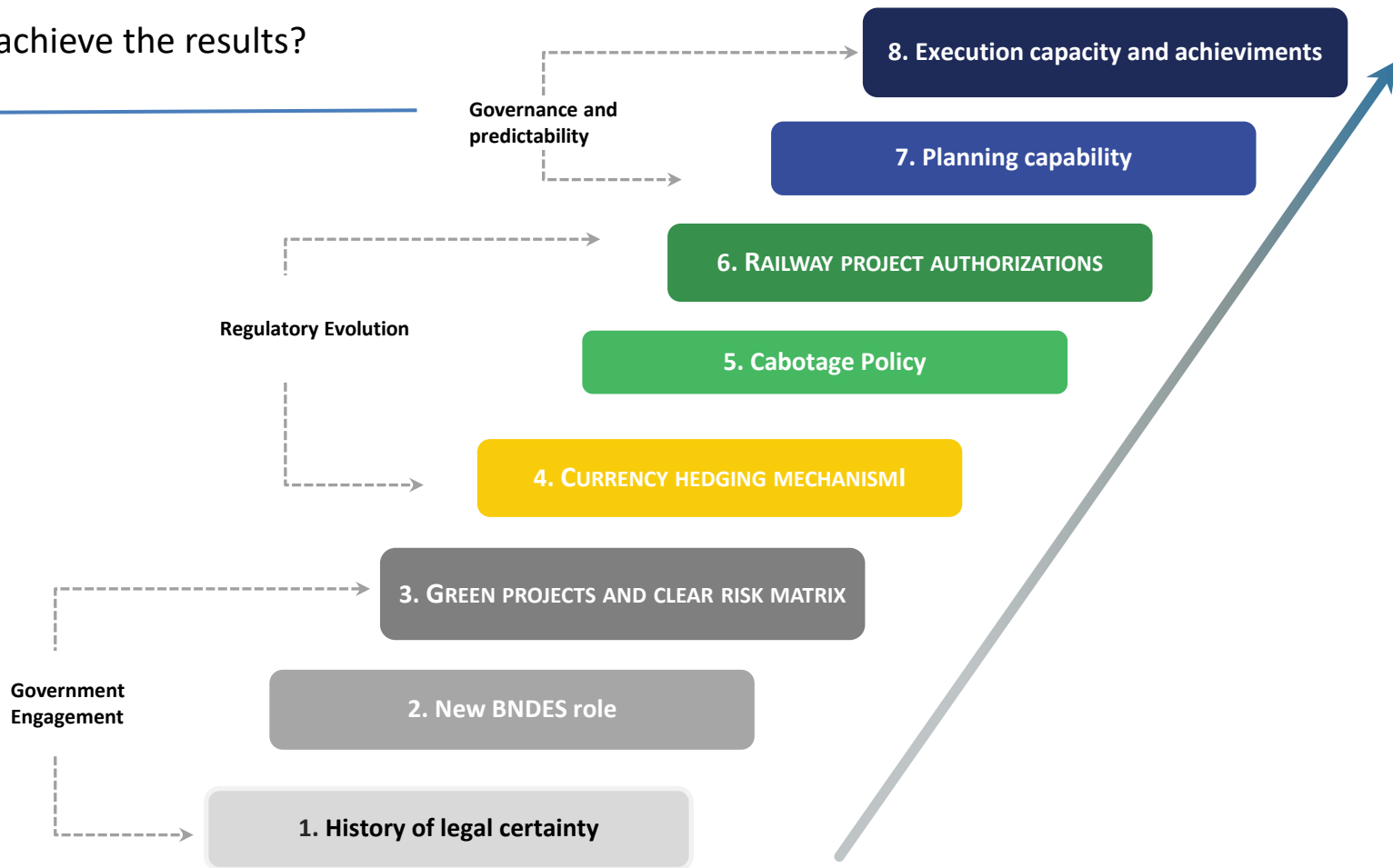


Pop. density (hab/ km ²)	25	9	148	455	36
% forecast area	59%	50%	22%	24%	34%

Overcoming the challenges – Macro Scenario



How will we achieve the results?





A **structured plan** for infrastructure development with the purpose of **promoting the resumption of the economic activity** needed in a post-pandemic scenario through the **generation of jobs and income**, with full observance of responsibility in fiscal management and solvency capacity of the country.

This set of premises – **proving structural measures, attracting private investments, and concluding works with a multiplier effect** – will generate thousands of jobs, revive the economy and resume the growth that Brazil needs, especially in the post-pandemic of Covid-19.





- Regulatory framework
- Private investments attraction
- Regulatory predictability and legal certainty
- Improving the business environment
- Mitigation of socioeconomic impacts
- Governance Structure
- Integrated Planning

- Private sector partnerships
- Public investments



More than 20%
Logistic cost reduction



More than 10%
Accident reduction



Double – transport
infrastructure investments
increase on transport infrastructure
investment



Around BLR
600 million
saved for citizens and
government - digital
services, innovation and
modernization

Pró-Brasil benefits



Improve
efficiency



Increasing Brazilian's products
competitiveness



Encouraging
sustainability



Creation of instant jobs



pró
BRASIL
i



Sustainability

PROGRAM OBJECTIVE

To incorporate **environmental and territorial aspects in transport infrastructure** properly.

To reduce bureaucracy, to simplify and provide greater **speed and legal security to environmental and territorial procedures** that are requirements for the implementation of the federal transport infrastructure policy.

ESTIMATED IMPACTS

The actions will **increase the sustainability, predictability and attractiveness** of the projects.

It will also **increase the sector's capacity** for challenges related to the matter.

NECESSARY MESURES

Implementation of the **Sustainability Agenda** for the period **2020-2022**.

Via Viva 2020.

Standardization of **environmental plans and programs**.

Environmental Performance Indexes(IDA).

Guidelines for **declaring public utility and managing** areas related to transport infrastructure.

Green Bonds

Safe Green Fleet



PRÓ BRASIL PROGRESSO

PRÓ-BRASIL MINFRA



more than
R\$ 300 billion
in investments



more than
85
Assets in the
partnership program



more than
R\$ 105 billion
of investments between
2020-2023



more than
150
public works in the
whole the country



more than
60%
of private sector participation
in infrastructure



2,5 million
jobs between 2020-
2023



PARTNERSHIP

2020

2021

2022

Expected Investment



6th Round of Concessions BLOCK SOUTH (9), NORTH I (7) E CENTRAL (6); **Rebidding** Viracopos/SP; transfer **of INFRAERO's participation** in Guarulhos, Galeão, Confins, Brasília

Total 27 airports | at least R\$ 6,12 Bi

7th round of Concessions: BLOCKS RJ-MG (7), NORTH II (7) and SP-MS (5); **Rebidding** São Gonçalo do Amarante

Total 18 airports | at least R\$ 5,28 Bi

11,4 Bi



Lease contract: Santos/SP (2); Aratu/BA (2), Maceió/AL (1), Paranaguá/PR (1).

Total 6 terminais | at least R\$ 826 Mi

Lease contractas: Itaquí/MA (4), Santos/SP (2), Maceió (3), Paranaguá (2), Vila do Conde (1), Areia Branca/RN (1), Mucuri/PE (1), Santana/AP (1). **Privatization:** CODESA

Total 1 Port and 15 terminals | at least R\$ 6 Bi

Privatization São Sebastião/SP, Portos Organizados de **Santos/SP**; Itajaí/SC

Total 3 Ports | at least R\$ 6,5 Bi

13,3 Bi



Concessions: BR-153/080/414/GO/TO (850,7 km), BR- 163/230/MT/PA (970km), BR-116/SP/RJ (Dutra) (598,5 km), BR 381/262/MG/ES (672km), BR-116/493/RJ/MG (CRT) (711km); BR-470/282/153/SC (502,10 km); Roads - Paraná (4.114 km)

Total: 8.133 km | at least R\$ 92 Bi

Concessions: BR-040/495/MG/RJ (Concer) (211 km), 5.347,8 km Studies (BNDES); BR-040/DF/GO/MG (936,8km); BR-158/155/MT/PA (1.135 km); BR 135/316/MA/PI (438km)

Total 8.069 km | at least R\$ 43,1 Bi

135,1 Bi



Concessions : FIOL Ilhéus/Caetité (537 km), Ferrogrão (933 km); **Renewal:** EFC (892 km), EFVM (895 km). **with investments in:** FICO – Mara Rosa/Água Boa (383 km); MRS (1.686 km),

Total 5.626 km | minimum R\$ 61,34 Bi

Renewal: FCA (7.215 km), Rumo Malha Sul (7.265 km) e Malha Oeste (1.945 km), **Concessões:** FIOL – Caetité/Barreiras/Figueirópolis (1.005 km),

Privatization: Ferroeste

minimum 17.430 km | minimum R\$16,1 Bi

77,4 Bi

237,2 Bi



Road

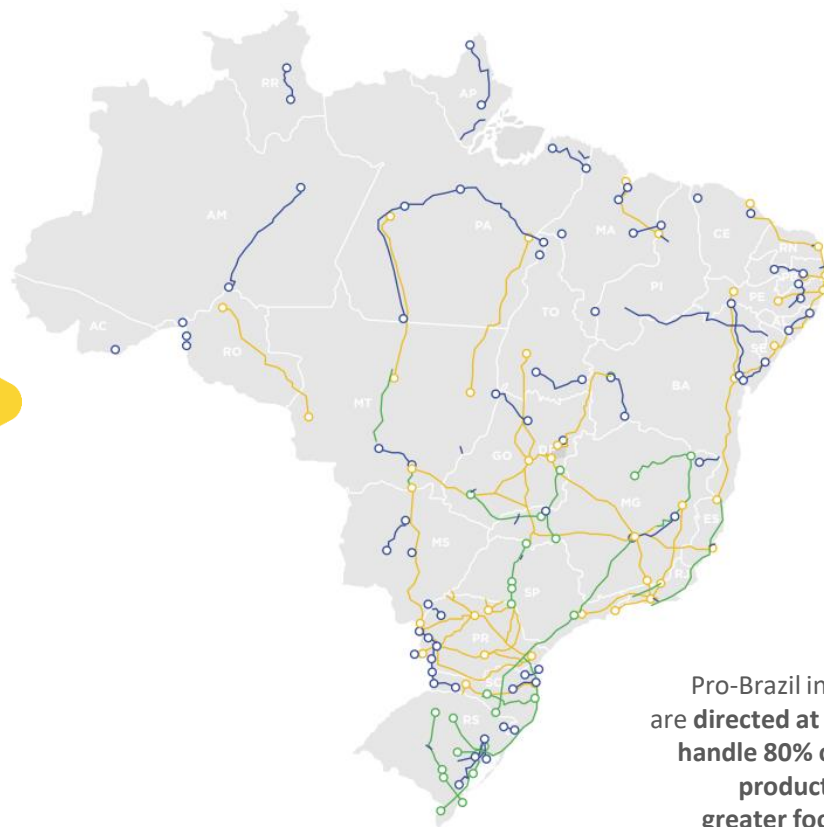
HIGHLIGHTS

Public Investments

- BR-381/MG
- BR-116/RS
- BR-101 Northeast
- Ponte do Abunã

Partnership

- BR-116/465/101/SP/RJ (Dutra)
- Rodovias Integradas do Paraná
- BR-116/493/RJ/MG (CRT)
- BR-040/495/MG/RJ (CONCER)



PUBLIC INVESTMENT



PARTERSHIP PROGRAM



CURRENT CONCESSIONS



R\$ 38,2 Billion



+ R\$ 135,1 Billion



R\$ 7,3 Billion

Pro-Brazil investments
are **directed at roads that
handle 80% of national
production with a
greater focus on high
saturation roads.**

77

public works over
the whole country

55%

of public investments
are road conservation
and restoration

18

mil km

of roads in new
concessions

1,3

milhão

jobs between 2020-
2023



R\$ 181 Bi
of investments

R\$ 56,5 bi between
2020-2023



32%
of private sector
investments
between 2020 -
2023

Water

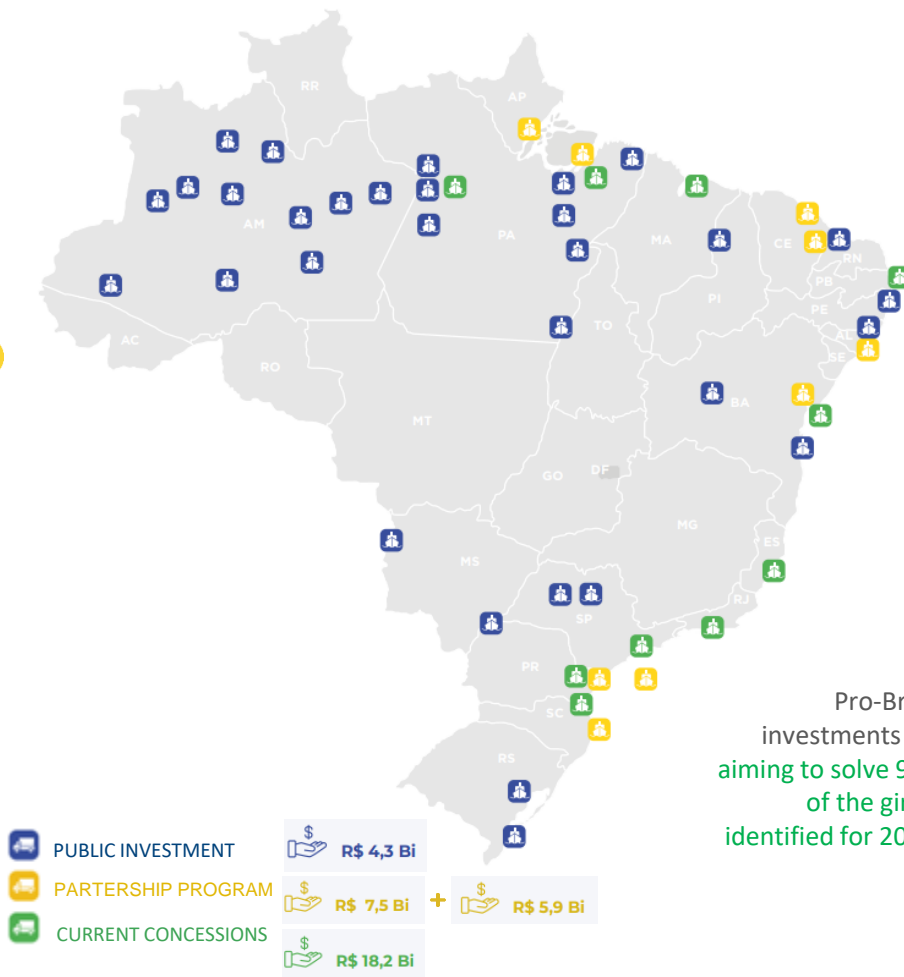
HIGHLIGHTS:

Public Investments•

- 18 IP4 North Region
- Hidrovia do Madeira e Tapajós – R\$ 1,28bi
- Dredging of Pedral do Lourenço/PA – R\$ 650 mi
- Perimeter of Santos – R\$433 mi

Partnership

- Port of Santos and CODESA privatization
- STS08 e STS 08A (Fuel - Santos)



Pro-Brazil investments are aiming to solve 90% of the girths identified for 2035.

45

public works in 18 different states

22

leased terminals

5

Privatization of 5 organized ports

MORE THAN
630
thousand

jobs between 2020-2023



R\$ 36 Bi

in investments

R\$ 32,6 Bi between 202-2023



87%

of private sector investments between 2020-2023

RAIL

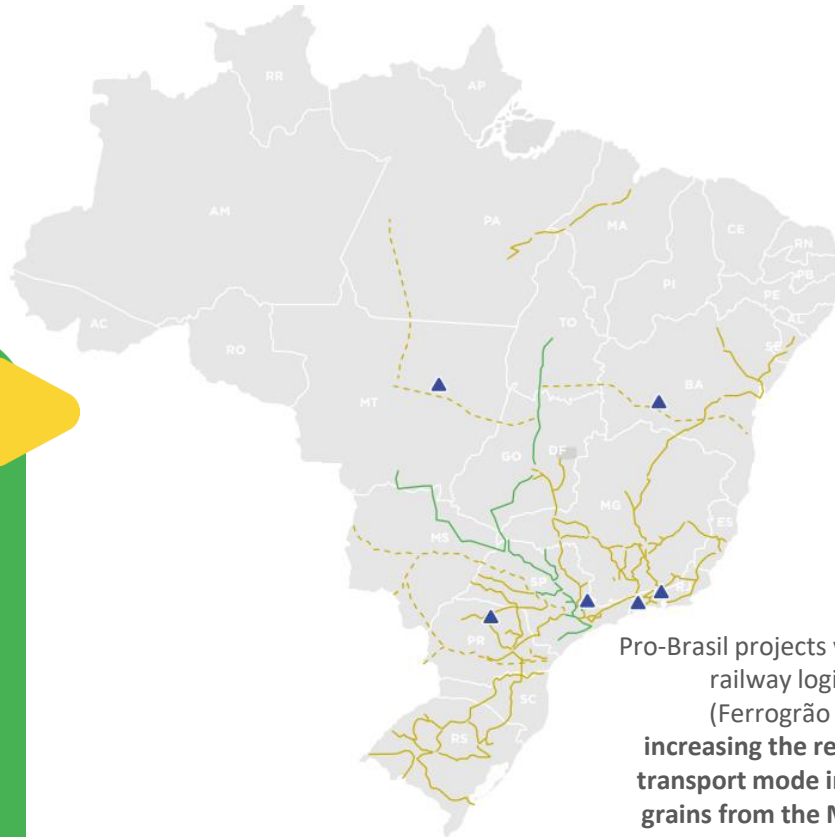
HIGHLIGHTS:

Public Investments

- FIOI II: Tetitê/BA and Barreiras/BA – Suplementação em 2020 of R\$439mi / Total investment (2020-2022) R\$ 1,7bi

Partnership

- Corredor FICO-FIOI
- FIOI I
- Ferrogrão
- Renovation - EFC e EFVM and MRS



▲ PUBLIC INVESTMENT

PARTNERSHIP PROGRAM

-- CONCESSIONS AND SUB-CONCESSIONS

— ANTICIPATED EXTENSIONS

— CURRENT CONCESSIONS

\$ R\$ 1,8 Bi

\$ R\$ 77,4 Bi

\$ R\$ 4,3 Bi

Pro-Brasil projects will create new railway logistical corridors (Ferrogrão and FICO-FIOI) increasing the relevance of this transport mode in the export of grains from the MATOPIBA and Mato Grosso region from 36% to 72%, also enabling new iron ore mines in Bahia (FIOI I).

6 public investments
3,5 mil km new rail stretch
5 railway network with anticipated extension of concessions
MORE THAN 350 thousand jobs between 2020-2023



R\$ 83,5 Bi
in investments

R\$ 15,4 bi between 202-2023



88%

Private Sector Investments

between 2020 - 2023



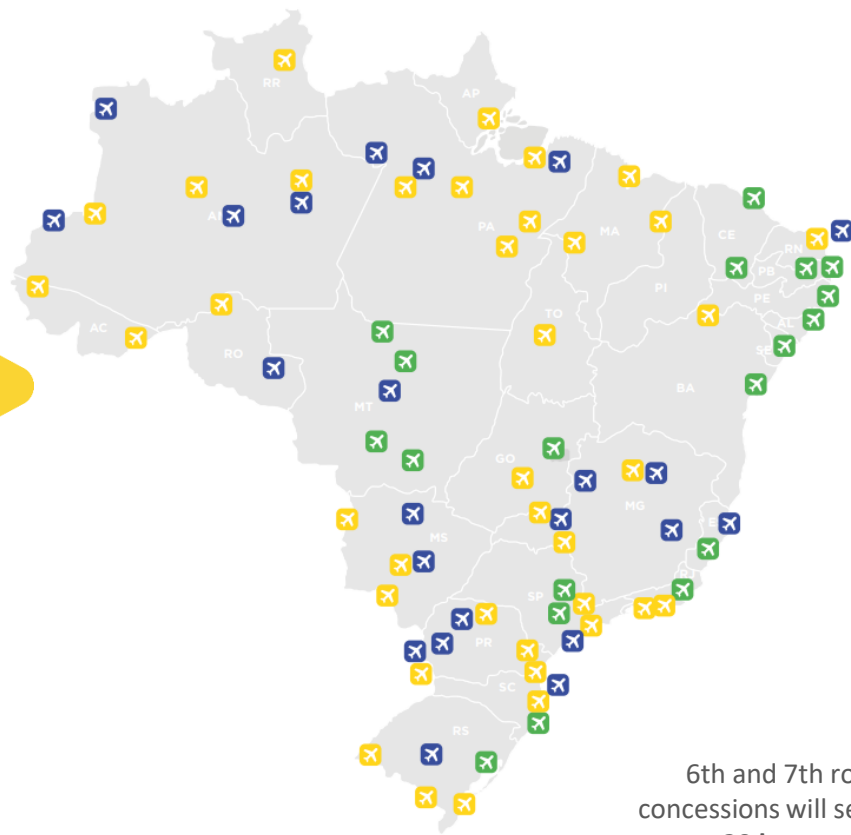
HIGHLIGHTS:

Public investments:

- 16 regional airports
- 9 Infraero among them:
Campo Grande – pax terminal
revitalization
Congonhas - landing strip
revitalization

Partnership

- 6th Round of de Concessions:
BLOCKS SOUTH (9), NORTH I
(7) and CENTRAL (6)
- 7th Round of Concessions:
BLOCKS RJ-MG (7), NORTH II (7)
and SP-MS (5)



PUBLIC INVESTMENT



PARTNERSHIP PROGRAM



CURRENT CONCESSIONS



R\$ 0,5 Bi



R\$ 11,4 Bi



R\$ 2,7 Bi

6th and 7th rounds of
concessions will serve the
20 largest airports
not yet leased.

81

airports with
investments

MORE THAN

90

thousand

jobs between
2020-2023



Investments in the
whole country



R\$ 14,6 Bi
in investments

R\$ 4,4 bi between
2020-2023



89%

of private sector
investments between
2020-2023

THANK YOU!



Marcelo Sampaio's business card