

**LONG-TERM ACTION OBJECTIVES AND INVESTMENT PRIORITIES FOR
TRANSPORT INFRASTRUCTURE**

NATIONAL LOGISTICS PLAN 2050



AUGUST 2026



INFRA S.A.

MINISTÉRIO DO
PLANEJAMENTO E ORÇAMENTO

MINISTÉRIO DE
PORTOS E AEROPORTOS

CASA CIVIL

MINISTÉRIO DOS
TRANSPORTES 

**LONG-TERM ACTION OBJECTIVES AND INVESTMENT PRIORITIES
FOR TRANSPORT INFRASTRUCTURE**

Ministry of Transport

Brasília – DF
August 2026



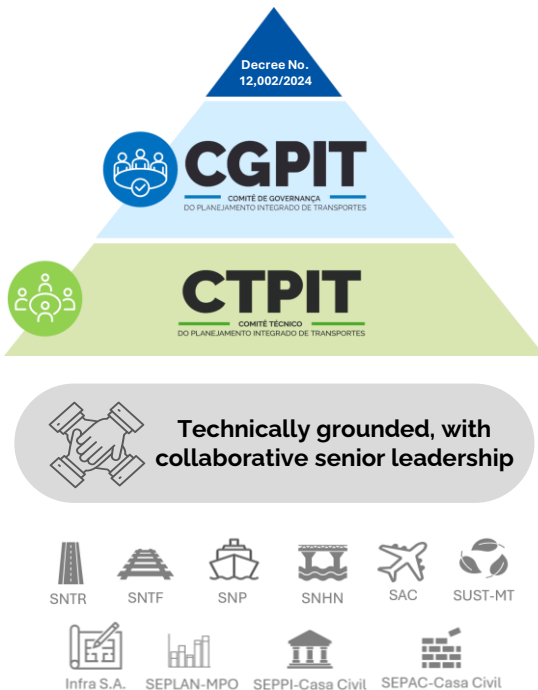
CONTENTS

INTEGRATED TRANSPORT PLANNING	4
NATIONAL LOGISTICS PLAN 2050	5
PNL 2050 PART 1: LONG-TERM PRIORITY ACTION OBJECTIVES FOR TRANSPORT INFRASTRUCTURE	6
FREIGHT FLOWS FOR EXPORT	9
FREIGHT FLOWS TO THE DOMESTIC MARKET	10
EMERGING DEMAND FOR FREIGHT FLOWS	12
FREIGHT TRANSPORT FOR DOMESTIC SUPPLY	13
PASSENGER TRANSPORT PROBLEMS	14
CROSS-CUTTING TRANSPORT PROBLEMS	15
REGIONAL DEVELOPMENT OPPORTUNITIES	16
PNL 2050 PART 2: INVESTMENT PRIORITIES TO 2050 IN LIGHT OF THE ACTION OBJECTIVES	18
MAINTENANCE PRIORITIES: TRANSPORT CORRIDORS	20
EXPANSION AND IMPLEMENTATION PRIORITIES: THE 2050 TARGET SCENARIO	24
ROAD TRANSPORT AXES	29
RAIL TRANSPORT AXES	58
WATERBORNE TRANSPORT AXES	76
INTERMODAL TRANSPORT AXES	90
PIT PROJECT BANK: ALTERNATIVE TRANSPORT AXES FOR FUTURE STUDIES	107

INTEGRATED TRANSPORT PLANNING

On May 16, 2024, Decree No. 12,022 was published, establishing Integrated Transport Planning (PIT). PIT comprises a set of planning instruments and governance bodies whose purpose is to plan the passenger and freight transport network from an integrated and dynamic territorial perspective, contributing to national competitiveness, regional development and territorial integration.

The first plan in each PIT cycle is the National Logistics Plan (PNL), a strategic-level plan that identifies medium- and long-term needs and opportunities for the national transport network. Next, Decree No. 12,022/2024 requires the preparation of the so-called Sector Plans, at the tactical level, whose purpose is to specify initiatives and interventions in each of the five transport modes (highways, railways, waterways, ports and airports) in order to achieve the target scenario proposed in the PNL. Completing the set of planning instruments that make up PIT, Decree No. 12,022/2024 requires the preparation of the so-called General Plans, at the operational level, which select specific projects and actions from the Sector Plans for short-term delivery, informing the next budget and partnership cycle (Multi-Year Plan – PPA). The General Plans (one for Partnerships and one for Public Actions) are also intended to ensure intermodal consistency in public spending and short-term private investment, ensuring that the actions and projects selected for immediate execution are harmonized and complementary.



All of these plans are prepared under the supervision of interministerial governance bodies. This is precisely the main innovation introduced by the decree: the creation of the PIT Technical Committee (CTPIT) and the PIT Governance Committee (CGPIT), made up of civil servants and National Secretaries, as well as Executive Secretaries, from the Ministry of Transport, the Ministry of Ports and Airports, the Office of the Chief of Staff of the Presidency (Casa Civil) and the Ministry of Planning and Budget. The four-ministry composition was designed to bring together the different actors responsible for investment decisions in transport infrastructure, ensuring consistency and effectiveness. The publication of the decree responds to a recommendation made in case TC 013.771/2021-3, which resulted in Ruling (Acórdão) No. 1.472/2022, in which the Federal Court of Accounts (TCU) pointed to weaknesses in planning governance and the need for greater institutionalization of PIT.

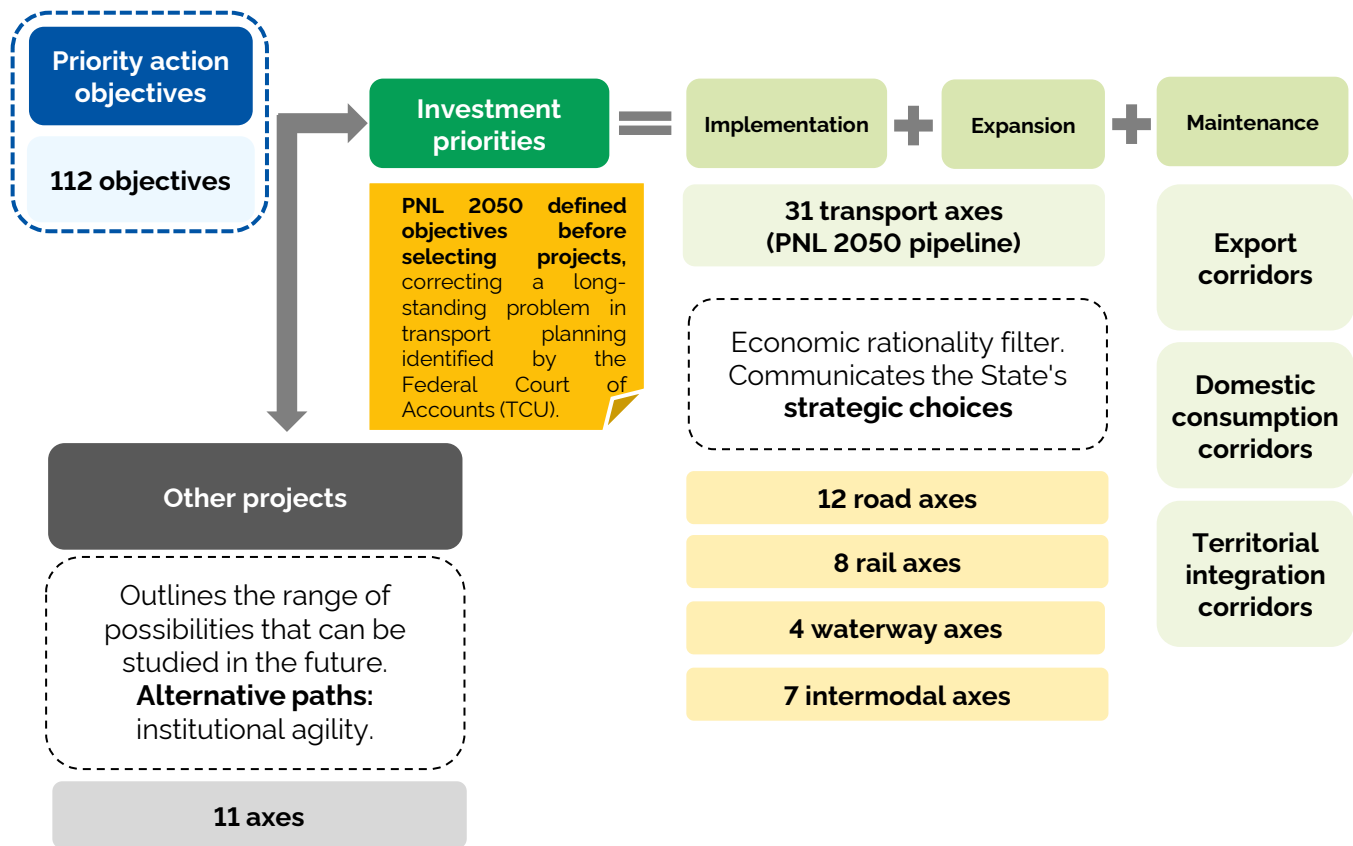
NATIONAL LOGISTICS PLAN 2050

The National Logistics Plan – PNL 2050 is the first planning instrument of the 2024-2027 cycle of Integrated Transport Planning – PIT, established by Decree No. 12,022/2024. Strategic in nature, PNL 2050 guides long-term planning for the Brazilian transport system. The plan was divided into two stages: the selection of priority action objectives and the decision on investment priorities. The document was developed with broad transparency and public participation: six public consultations, twenty regional technical meetings and three workshops with civil society and oversight bodies were held, along with qualitative surveys covering all 27 Federative Units and 95 organizations representing the private sector.

Access the full
PNL 2050



Methodology summary: correcting the practice of choosing investments before planning



PNL 2050 PART 1:

LONG-TERM PRIORITY ACTION OBJECTIVES FOR TRANSPORT INFRASTRUCTURE



PRIORITY ACTION OBJECTIVES FOR 2050

Transport as a means, not an end

The methodology for selecting long-term priority action objectives for the country's transport sector rests on a central methodological choice: **transport is treated as a means, not an end**. What is at stake is not the shortcomings of specific infrastructure as ends in themselves, but the concrete consequences of those shortcomings for Brazil's economic and social system: production chains that lose competitiveness, regions unable to ship out their output, populations with impaired access to essential goods, and development potential that remains dormant, awaiting connectivity.

From this perspective, Part 1 of PNL 2050 surveys the country through its freight flows and logistics gaps. It analyzes the bottlenecks already entrenched in the major export axes, in the domestic market and in the supply routes of vulnerable regions (**problems**). It moves on to the flows that the 2050 projections identify as decisive but that do not yet put pressure on the current system (**emerging demand**). And it incorporates a forward-looking dimension: transport infrastructure not only removes current obstacles but also induces regional development (**opportunities**).

Taken together, these analyses define the action objectives of PNL 2050 — the map of what the country needs to overcome and of what it is in a position to achieve.

Types of action objectives in PNL 2050:

Problems

Problems are the **shortcomings of the current transport system in relation to existing socioeconomic demand**, and may be of various kinds (physical, regulatory, etc...). Most of these problems are analyzed from an end-purpose perspective, focusing on what needs to be transported, such as freight and people with diverse origins and destinations

Emerging demand

Emerging demand reflects future demand for products already mapped by PNL 2050 as part of current problems, but whose production may shift to new regional hubs, or whose flows may follow new patterns, by 2050. **The aim is to anticipate bottlenecks that will arise if there is no investment to serve these new regional production hubs**

Opportunities

Opportunities reflect **the capacity of infrastructure** to stimulate economic demand, whether for specific industries with a clear location in the territory or more broadly, with impacts that spill over into multiple economic sectors. **The aim is to reduce regional inequalities, develop industry and induce new strategic industries.**

PRIORITY ACTION OBJECTIVES FOR 2050

The list of long-term priority action objectives for transport infrastructure, divided into the different categories, is set out below.

Help solve different **problems** (79 objectives)

Freight-specific transport problems

Problems related to the transport of specific cargo for export (18 problems), the domestic market (23 problems) and domestic supply (13 problems)

(54 objectives)

Passenger-specific transport problems

Problems related to the saturation of established axes (3 problems) and to exclusion and accessibility (5 problems) in passenger transport

(8 objectives)

Cross-cutting transport problems

Cross-cutting problems affecting the transport system as a whole, also involving operational, regulatory and institutional issues

(17 objectives)

Meet **emerging demand** (12 objectives)

Seize different regional development opportunities (21 objectives)

Stimulating specific regional industries

Opportunities to expand specific regional industries through investment in the transport sector

(8 objectives)

Fostering regional economic growth

Opportunities for broad economic growth through lower transport costs, with impacts that spill over into multiple sectors

(13 objectives)

FREIGHT FLOWS FOR EXPORT

The action objectives related to export freight flows were selected based on the main products in Brazil's export basket — soybeans, corn, iron ore, sugar, pulp, meat and manufactured goods. The states where logistics bottlenecks undermine the country's position in the international market were identified. Problems were selected considering the absolute volume exported, the relative importance of the product to the economy of each producing state, and the input received in the public consultations and in the 95 interviews conducted with the private sector.

Problems specific to the transport of freight for export: FOCUS ON THE ORIGIN OF PRODUCTION

Iron ore

Problem No. 1 - Difficulty in moving iron ore out of Mato Grosso do Sul

Soybeans, Soybean meal and Corn

Problem No. 2 - Difficulty in moving soybeans, soybean meal and corn out of Rondônia and Mato Grosso

Problem No. 3 - Difficulty in moving corn, soybeans and soybean meal out of the South Region

Problem No. 4 - Difficulty in moving corn, soybeans and soybean meal out of Goiás

Problem No. 5 - Difficulty in moving soybeans and corn out of Mato Grosso do Sul

Problem No. 6 - Difficulty in moving corn and soybeans out of MATOPIBA

Problem No. 7 - Difficulty in moving corn and soybeans out of Minas Gerais

Problem No. 8 - Difficulty in moving corn and soybeans out of Pará

Crude oil

Problem No. 9 - Difficulty in moving crude oil out of Rio de Janeiro

Manufactured and steel products

Problem No. 10 - Difficulty in moving manufactured and steel products out of São Paulo and Minas Gerais

Problem No. 11 - Difficulty in moving manufactured and steel products out of Paraná and Santa Catarina

Sugar

Problem No. 12 - Difficulty in moving sugar out of São Paulo, Minas Gerais and Paraná

Problem No. 13 - Difficulty in moving sugar out of Alagoas

Paper and pulp

Problem No. 14 - Difficulty in moving pulp out of Mato Grosso do Sul, Paraná and São Paulo

Problem No. 15 - Difficulty in moving pulp out of Bahia

Problem No. 16 - Difficulty in moving paper and pulp out of Maranhão

Meat

Problem No. 17 - Difficulty in moving meat out of the South Region

Wood and charcoal

Problem No. 18 - Difficulty in moving wood and charcoal out of Amapá

DOMESTIC FREIGHT FLOWS

The action objectives related to freight flows to the domestic market were selected by identifying the main goods produced in Brazil for domestic consumption. In other words, on this front, priority is given to cargo produced and consumed within the country. Problems were selected considering the product's role in the regional economy and the extent of the bottlenecks that prevent its efficient movement between states. With 23 problems identified, this is the largest category, reflecting the diversity of domestic production and consumption and the asymmetries of a continental-sized country.

Problems specific to the transport of freight to the domestic market: FOCUS ON THE ORIGIN OF PRODUCTION

Manufactured and steel products

Problem No. 1 - Difficulty in moving manufactured goods, steel products, paper and pulp out of São Paulo

Problem No. 2 - Difficulty in moving manufactured goods out of the South Region

Problem No. 3 - Difficulty in moving manufactured and steel products out of Minas Gerais

Problem No. 4 - Difficulty in moving manufactured and steel products out of Rio de Janeiro

Problem No. 5 - Difficulty in moving manufactured and steel products out of Alagoas, Bahia, Paraíba, Pernambuco and Sergipe

Problem No. 6 - Difficulty in moving manufactured and steel products out of Espírito Santo

Problem No. 7 - Difficulty in moving manufactured and steel products out of Amazonas

Problem No. 8 - Difficulty in moving steel products out of Ceará

Problem No. 9 - Difficulty in moving steel products out of Pará to the domestic market

Petroleum-derived fuels

Problem No. 10 - Difficulty in moving petroleum-derived fuels out of São Paulo

Problem No. 11 - Difficulty in moving petroleum-derived fuels out of Paraná

Problem No. 12 - Difficulty in moving petroleum-derived fuels out of Bahia

DOMESTIC FREIGHT FLOWS

Problems specific to the transport of freight to the domestic market: FOCUS ON THE ORIGIN OF PRODUCTION

Biofuels

Problem No. 13 - Difficulty in moving biofuels out of São Paulo

Problem No. 14 - Difficulty in moving biofuels out of Goiás to the domestic market

Crude oil

Problem No. 15 - Difficulty in moving crude oil out of Rio de Janeiro

Other mineral bulk solids (OMBS)

Problem No. 16 - Difficulty in moving other mineral solid bulk out of Minas Gerais

Problem No. 17 - Difficulty in moving other mineral solid bulk out of Pernambuco

Animal feed

Problem No. 18 - Difficulty in moving animal feed out of Paraná and Santa Catarina

Rice

Problem No. 19 - Difficulty in moving rice out of Rio Grande do Sul to the domestic market

All products (aggregate)

Problem No. 20 - Difficulty in moving production out of Rio Grande do Norte to the domestic market

Problem No. 21 - Difficulty in moving production out of the Federal District to the domestic market

Problem No. 22 - Difficulty in moving production out of Acre

Problem No. 23 - Difficulty in moving production out of Roraima

EMERGING DEMAND FOR FREIGHT FLOWS

The action objectives listed above (problems in freight flows for export and to the domestic market) prioritize established flows and problems already evident in the current scenario (2023). Flows that are still relatively small but are forecast to grow significantly by 2050, according to the economic projection model or the qualitative surveys conducted with the productive sector, are also included in the list of priorities, so that planning does not overlook what the logistics system will need to absorb in the future.

Emerging transport demand: FOCUS ON FUTURE ORIGINS OF PRODUCTION

Soybeans, soybean meal and corn

Demand No. 1 - Expansion of corn production in Minas Gerais, Goiás, Mato Grosso and Mato Grosso do Sul for the domestic market

Demand No. 2 - Expansion of soybean production in Goiás for the domestic market

Demand No. 3 - Expansion of soybean meal production in Bahia for export

Sugar

Demand No. 4 - Expansion of sugar production in Goiás and Mato Grosso do Sul for export

Manufactured and steel products

Demand No. 5 - Expansion of production of manufactured and steel goods in Pernambuco for export

Demand No. 6 - Expansion of production of manufactured and steel goods in Bahia for export

Paper and pulp

Demand No. 7 - Expansion of paper and pulp production in Minas Gerais, Rio Grande do Sul and Santa Catarina for export

Meat

Demand No. 8 - Partial shift of export-oriented meat production to the Center-West (Mato Grosso and Goiás) and to Pará

Wood and charcoal

Demand No. 9 - Expansion of wood and charcoal production in the South Region of the country for export

Motor vehicles

Demand No. 10 - Migration of part of the domestic-market motor vehicle production from São Paulo to other regions, such as Pernambuco and Bahia

Biofuels

Demand No. 11 - Expansion of biofuel production, including corn ethanol, in Bahia, Maranhão, Mato Grosso and Pará for the domestic market

Demand No. 12 - Decentralization of rice production for the domestic market, with growth expected in Goiás, Maranhão, Mato Grosso, Rondônia, Santa Catarina and Tocantins

FREIGHT TRANSPORT FOR DOMESTIC SUPPLY

The selection of action objectives related to freight transport for domestic supply reverses the perspective: the focus is on the destination of products rather than their origin. It concentrated on the transport of essential products — such as food, fuel and medicines — and of agricultural inputs to the states in the most vulnerable logistics position, especially in the North, the Northeast and parts of the Center-West. The 13 problems below reveal unequal access to essential goods as a direct expression of shortcomings in the transport system.

Problems specific to the transport of freight for domestic supply: FOCUS ON THE DESTINATION OF PRODUCTS

Fertilizers

Problem No. 1 - Difficulty in supplying fertilizers to Mato Grosso do Sul and Paraná

Problem No. 2 - Difficulty in supplying fertilizers to Goiás and Minas Gerais

Problem No. 3 - Difficulty in supplying fertilizers to Rio Grande do Sul

Problem No. 4 - Difficulty in supplying fertilizers to Mato Grosso

Problem No. 5 - Difficulty in supplying fertilizers to São Paulo

Essential products

Problem No. 6 - Difficulty in supplying essential products to Amapá, Maranhão, Pará and Tocantins

Problem No. 7 - Difficulty in supplying essential products to Sergipe, Alagoas, Pernambuco, Paraíba and Rio Grande do Norte

Problem No. 8 - Difficulty in supplying essential products to Bahia

Problem No. 9 - Difficulty in supplying essential products to Mato Grosso

Problem No. 10 - Difficulty in supplying essential products to Ceará

Problem No. 11 - Difficulty in supplying essential products to Amazonas and Roraima

Problem No. 12 - Difficulty in supplying essential products to Acre and Rondônia

Problem No. 13 - Difficulty in supplying essential products to Piauí

PASSENGER TRANSPORT PROBLEMS

The analysis of passenger transport in PNL 2050 covered two fronts: the saturation of established axes, with high passenger flows generated by large urban agglomerations, and the low accessibility of territories that have poor access to regional centers owing to long distances and transport shortcomings.

Problems specific to passenger transport: saturation of established axes

Problem No. 1 - Road saturation over short distances

Origin-destination pairs formed by regional centers (according to the IBGE classification) less than 400 km apart and whose road route is saturated were analyzed. These trips account for 83.4 million road journeys per year. The Campinas–São Paulo pair alone accounts for 38 million, on routes such as SP-330/SP-348.

Problem No. 2 - Road saturation over medium distances

Origin-destination pairs formed by regional centers (according to the IBGE classification) between 400 km and 1,000 km apart, where road and air compete and the road route is saturated, were analyzed. These trips account for 34 million journeys per year. Travel between the Rio de Janeiro and São Paulo metropolises leads, with approximately 12 million journeys and a 45% air share.

Problem No. 3 - Saturation of airports in the São Paulo Macrometropolis

The concentration of national air travel demand puts pressure on the São Paulo terminals (Congonhas, Guarulhos, Viracopos), reducing operational slack at the country's main air hub.

Problems specific to passenger transport: exclusion and accessibility

Problem No. 1 - Isolation of communities in the North Region

Riverside and Indigenous communities depend on river and air transport. The municipalities of Altamira/PA, Barcelos/AM and São Gabriel da Cachoeira/AM together cover an area larger than Germany, which poses an accessibility challenge.

Problem No. 2 - Concentration of airports

Brazilian municipalities are located an average of 329 km from larger aerodromes (class III or IV). 132 of Brazil's 510 immediate geographic regions (IBGE) are more than 400 km away, and 9 do not even have land access to this type of air infrastructure.

Problem No. 3 - Challenges in regional air integration

The hub model currently adopted in the air sector leaves the North and Center-West regions and the interior of the Northeast with a limited supply of flights. In addition, the high cost of jet fuel (QAV) makes point-to-point aviation (direct connection between origin and final destination) unviable.

Problem No. 4 - Challenges in regional waterway integration

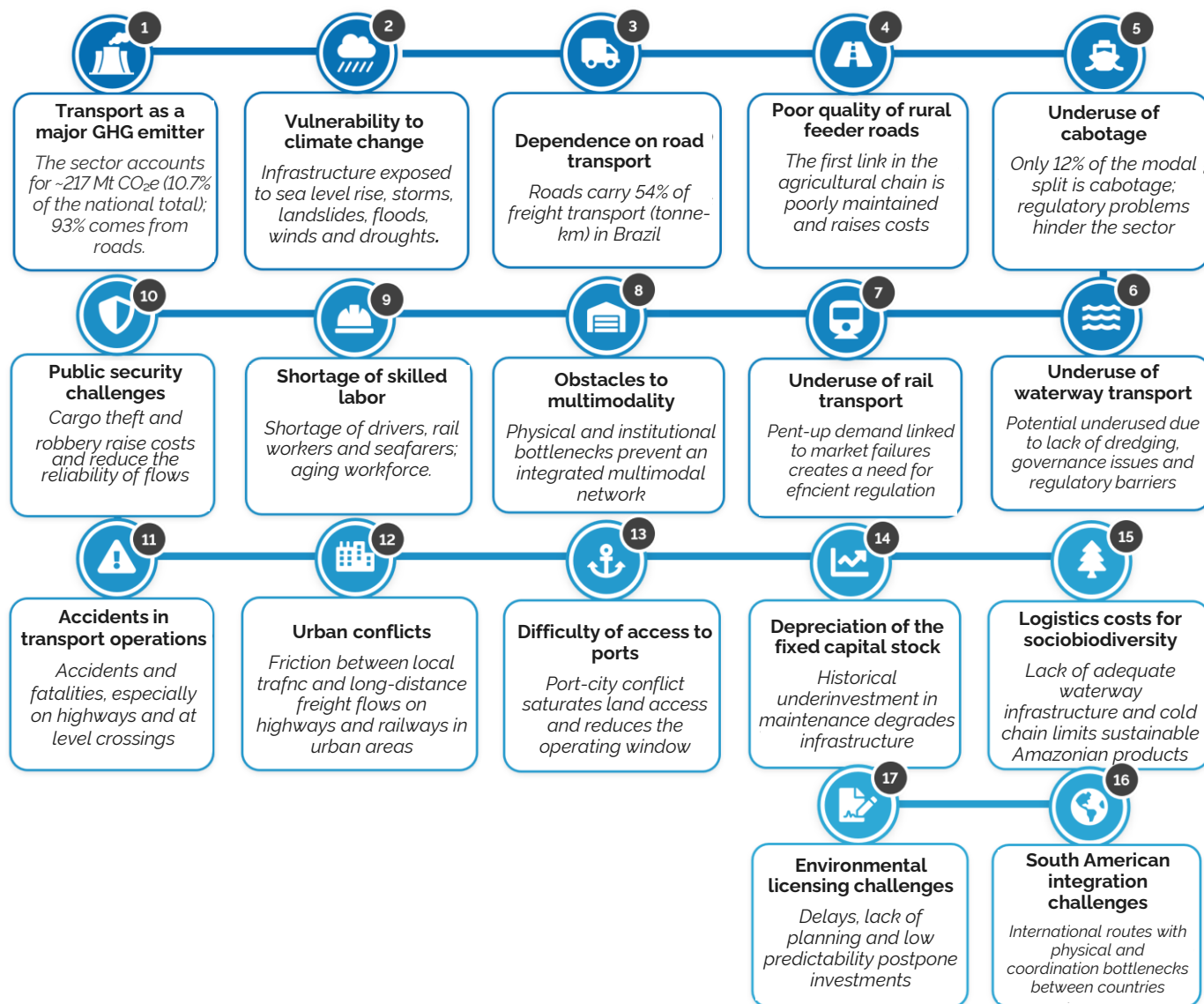
In Brazil, many municipalities, mainly in the states of Amazonas, Pará and Acre, depend on rivers for passenger transport and lack adequate waterway terminals.

Problem No. 5 - Long distances to regional centers

Immediate regions located more than 1,000 km by road from the nearest regional center (IBGE classification) were identified, which implies difficulty in accessing essential services.

CROSS-CUTTING TRANSPORT PROBLEMS

Cross-cutting problems are structural conditions that run through the entire transport system. They cannot be solved by a single project, but rather by a set of projects and institutional and regulatory initiatives that should be prioritized by the State.



REGIONAL DEVELOPMENT OPPORTUNITIES



In choosing the opportunities that make up the list of priority action objectives in PNL 2050, the aim was to use infrastructure to foster the socioeconomic development of systematically excluded regions or of strategic sectors that remain dormant. The underlying premise is that infrastructure can unlock untapped economic potential, generating cascading socioeconomic development effects.

Selection criteria: prioritization of the most vulnerable regions and promotion of critical and strategic minerals

In selecting the priority opportunities in PNL 2050, priority was given to the regions of the country with the greatest socioeconomic vulnerabilities: the North and the Northeast. To ensure consistency between PNL 2050 and the other public policies of the Brazilian State, the analysis of vulnerabilities was based on the National Regional Development Policy (NRDP), established by Decree No. 11,962/2024. PNL 2050 thus represents a further contribution of transport infrastructure policy to reducing regional inequalities in the country.

In addition, the global race for critical and strategic minerals has been reshaping production chains worldwide and sparking competition for their economic exploitation. PNL 2050 plays a key role in promoting efficient logistics for this exploitation, which is important not only for economic development but also for national sovereignty. Opportunities serving this strategic objective were therefore also selected.

Sources of information for selecting opportunities

To identify the concrete priority opportunities included in PNL 2050, two parallel and complementary approaches were adopted. The first sought to map specific industries in each state, revealing promising sectors whose growth depends on better logistics integration. In cooperation with the Development Bank of Latin America (CAF) and the National Council of State Secretaries for Transport and Mobility (Consetram), 27 interviews were conducted — one per Federative Unit — to identify local contexts in which infrastructure can foster regional development by encouraging specific industries. Based on the results, the opportunities for stimulating specific regional industries were defined.

The second approach defines the opportunities for fostering regional economic growth. It sought a comprehensive view of the role of infrastructure in state-level socioeconomic development, considering the cascading effects of logistics on economic sectors. To estimate the broad effects of greater investment in transport infrastructure, PNL 2050 used an economic model developed by the Federal University of Minas Gerais (UFMG), which measured the long-term socioeconomic impact of efficiency gains resulting from lower transport costs between states or within the same state. Based on the results, the states or pairs of states were selected in which transport efficiency gains generate significant growth in state GDP and, at the same time, an increase in the relative share of the manufacturing sector in that state's total value added. In this way, the development of transport infrastructure contributes to reducing regional inequalities and to socioeconomic development by fostering industry.

REGIONAL DEVELOPMENT OPPORTUNITIES

Opportunities to stimulate specific regional industries through transport infrastructure

- Opportunity No. 1 - Development of the bioeconomy and of the shipbuilding and furniture industries in the Juruá Valley region of Acre
 - Opportunity No. 2 - Development of fruit growing and ceramics in Alagoas
 - Opportunity No. 3 - Development of oil exploration off the coast of Amapá
 - Opportunity No. 4 - Development of fish production in the Reentrâncias Maranhenses
 - Opportunity No. 5 - Development of green hydrogen production in the Parnaíba region of Piauí
 - Opportunity No. 6 - Development of robusta coffee production in Rondônia and Acre
 - Opportunity No. 7 - Development of mining in Niquelândia and Catalão, Goiás
 - Opportunity No. 8 - Development of lithium mining in the Jequitinhonha Valley, Minas Gerais
-

Opportunities to foster regional economic growth through transport infrastructure

- Opportunity No. 1 - Development of Amazonas through intrastate integration
 - Opportunity No. 2 - Development of Pará through intrastate integration
 - Opportunity No. 3 - Development of Maranhão through intrastate integration
 - Opportunity No. 4 - Development of Ceará through intrastate integration
 - Opportunity No. 5 - Development of Pará through connection with Amazonas
 - Opportunity No. 6 - Development of Amazonas through connection with Pará
 - Opportunity No. 7 - Development of Sergipe through connection with Bahia
 - Opportunity No. 8 - Development of Rondônia through connection with Amazonas
 - Opportunity No. 9 - Development of Paraíba through connection with Pernambuco
 - Opportunity No. 10 - Development of Alagoas through connection with Pernambuco
 - Opportunity No. 11 - Development of Piauí through connection with Bahia
 - Opportunity No. 12 - Development of Acre through connection with Amazonas
 - Opportunity No. 13 - Development of Tocantins through connection with Bahia
-

PNL 2050 PART 2:

INVESTMENT PRIORITIES TO 2050 IN LIGHT OF THE ACTION OBJECTIVES



INVESTMENT PRIORITIES TO 2050



Definition of "project" in PNL 2050: investments that alter the physical condition of existing infrastructure or create new transport infrastructure.

As a strategic-level plan looking to the long-term future, PNL 2050 does not analyze projects at the level of specific designs, contracts or works in the portfolio of each line secretariat. Only broad needs for implementation, capacity expansion or maintenance of infrastructure were considered. The analysis of specific designs, contracts or works in each portfolio, against the broad needs mapped in PNL 2050, will be the subject of the subsequent PIT plans provided for in Decree No. 12,022/2024.

Types of projects (investments) assessed in NPL 2050

Implementation	Construction of new transport infrastructure (greenfield implementation) or substantial improvement of the physical condition of existing infrastructure in poor condition (brownfield implementation), where shortcomings generally impair use and result in little or no significant operation (in volume) in the PNL 2050 baseline scenario (2023).
Expansion	Capacity expansion of existing infrastructure with significant use in the PNL 2050 baseline scenario (2023).
Maintenance	Conservation or rehabilitation of existing infrastructure with significant use in the PNL 2050 baseline scenario (2023), helping to offset the physical and functional depreciation of assets and preserve the value of the capital stock.

	Greenfield implementation	Brownfield implementation	Expansion	Maintenance
Highways	Construction of a new highway	Paving of na existing highway	Capacity expansion of an existing paved highway	Conservation of existing infrastructure with no specific prior definition of significant capacity expansion
Railways	Construction of a new railway	Reactivation of abandoned of underused railways	Capacity expansion of an existing railway with significant operation	
Ports	Construction of a new port	None	Interventions enabling the handling of a cargogroup ¹ not currently handled at an existing port, or capacity expansion for a cargo group already handled	

Waterway projects were analyzed in PNL 2050 under two categories:

- Consolidation: interventions on rivers that are not economically navigated in the current scenario (2023);
- Improvement: interventions that maintain or enhance the conditions of rivers already economically navigated.

In both cases, a more detailed specification of the type of intervention required depends on subsequent technical studies.

¹ The cargo groups analyzed in PNL 2050 are: agricultural bulk solids (ABS); mineral bulk solids (iron ore, or MBS); other mineral bulk solids (OMBS , such as coal); containerized general cargo (CGC); non-containerized general cargo (NCGC); and bulk liquids (BL).

MAINTENANCE PRIORITIES: CORRIDORS

As an investment decision, PNL 2050 prioritizes transport corridors **on the maintenance front**.



Definition of transport corridors: set of infrastructure that concentrates the most important routes for a specific function under different transport supply and demand scenarios.

This document presents the current transport corridors (2023). Once the expansions and implementations planned in the priority transport axes for 2050 have been consolidated, new transport corridors will emerge, and the infrastructure that makes them up will also become a maintenance priority.

Export corridors

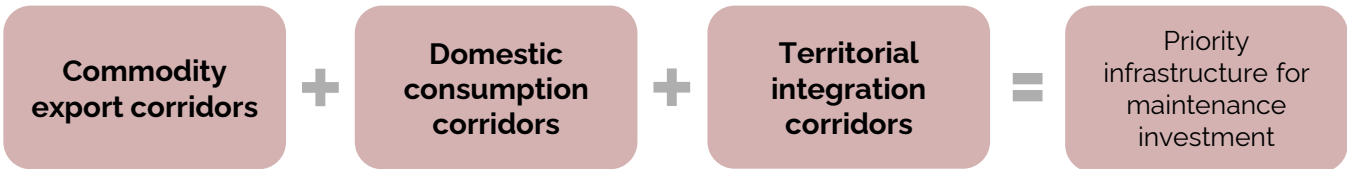
Set of infrastructure that concentrates the flows of the main products in the country's export basket, such as iron ore, soybeans, corn, pulp, sugar and manufactured goods. This infrastructure serves high-volume production chains, requiring high throughput capacity.

Domestic consumption corridors

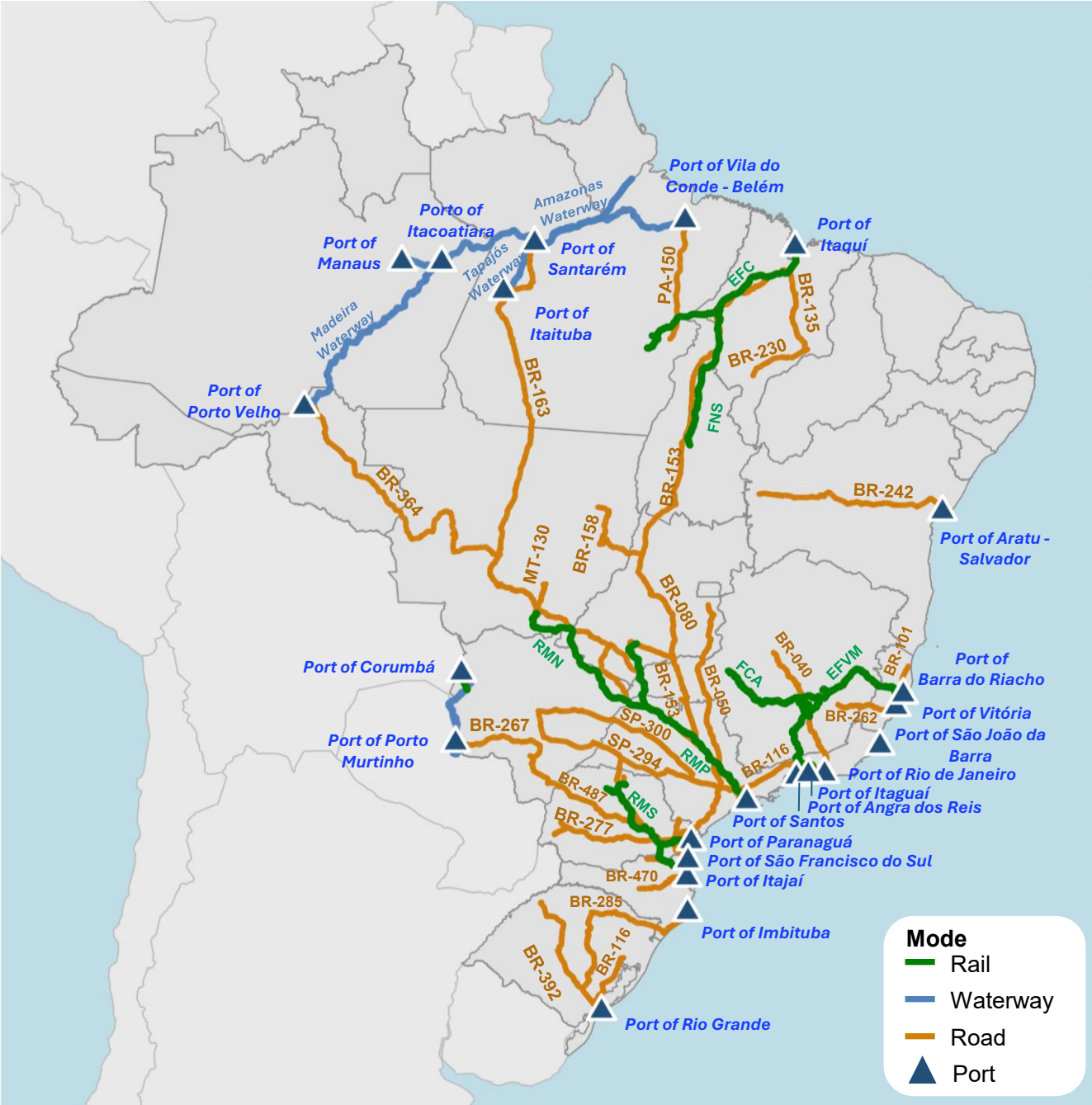
Set of infrastructure that concentrates the flows serving consumer demand in the Brazilian domestic market, whether these flows originate from domestic production or imports. This infrastructure is strategic for food security and for supplying the Brazilian population, as well as ensuring the supply of inputs for domestic production and the delivery of that production to the domestic market.

Territorial integration corridors

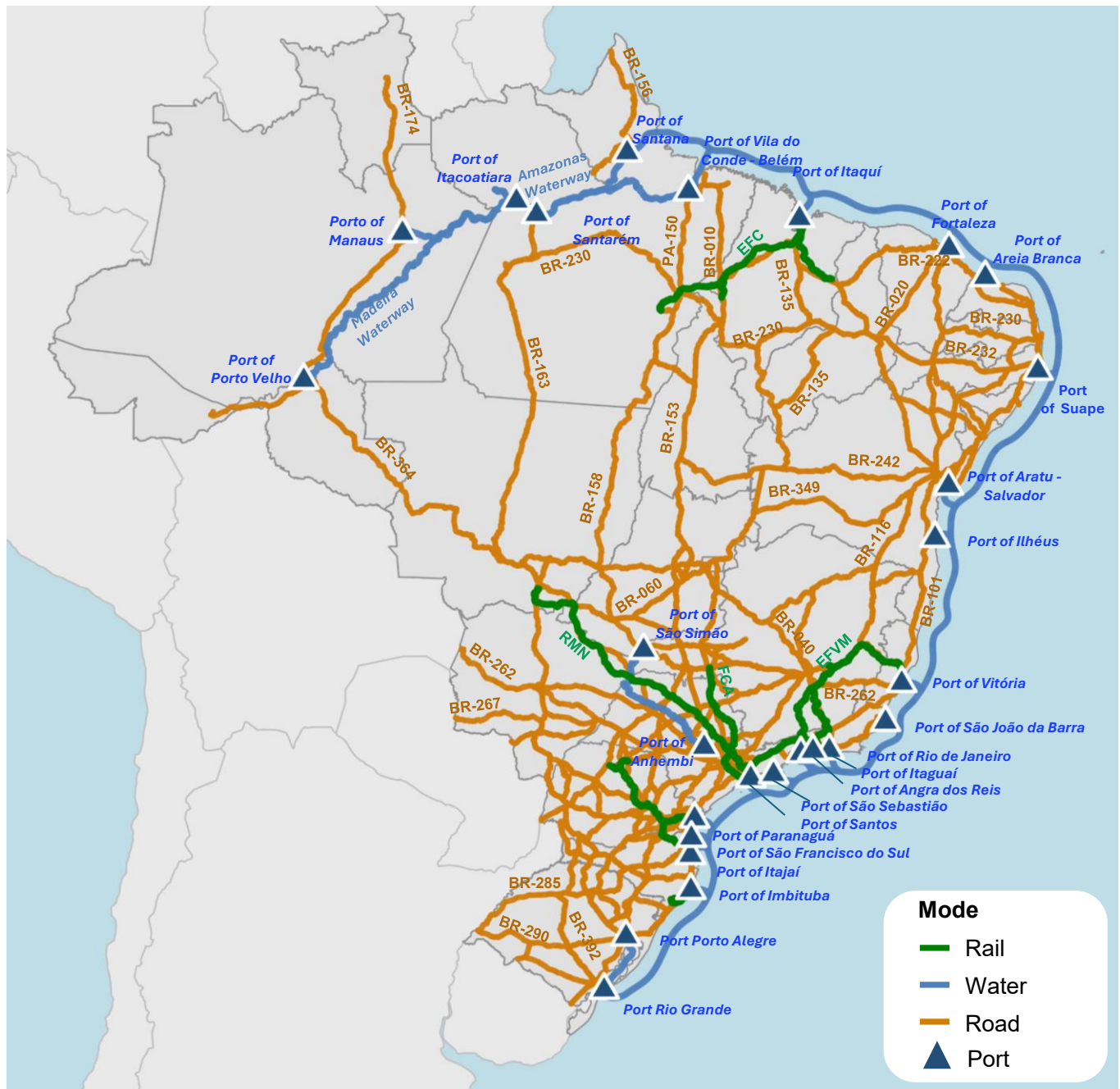
Set of infrastructure that is strategic for connectivity across the national territory, promoting the inclusion of people in the transport system. In practical terms, this means prioritizing connections between cities that concentrate services, jobs, commerce and education, strengthening the movement of people and access to opportunities in different regions of Brazil. Road connections to municipalities located in border areas were also prioritized, favoring South American integration.



CURRENT EXPORT CORRIDORS



CURRENT DOMESTIC CONSUMPTION CORRIDORS



Mode

- Rail
- Waterway
- Road
- Airport

IMPLEMENTATION AND EXPANSION: THE 2050 TARGET SCENARIO

The economic rationality filter

During the preparation of PNL 2050, a very extensive set of possibilities for new transport infrastructure was mapped, many of them without a mature design. Owing to the economic characteristics of the sector, such as high fixed costs and rigid supply, direct competition between projects often ends up undermining the sustainability of both. In such cases, the infrastructure cannot coexist, and the projects are mutually exclusive. By defining a target scenario, the State acts as a market organizer: it chooses projects with a view to preserving efficiency and ensuring the economies of scale needed to make investments viable, accepting the opportunity cost of passing over certain proposals in order to deliver the networks that are most efficient from a systemic standpoint. The aim is not to eliminate competition, but to ensure that it takes place for the market (through transparent, well-designed competitive processes) rather than in the market in a disorderly manner.

In this context, the PNL 2050 target scenario serves as an economic rationality filter: it ensures that market competition between companies generates efficiency and innovation rather than destroying value and threatening the economic sustainability of the country's logistics system.

Scarcity of resources

Transport infrastructure projects require intensive, long-maturing capital investment and are marked by high risk. At the same time, the total volume of resources available — whether from public budgets or from domestic and international private capital — is finite and contested, including globally. Given fiscal constraints on public investment and a selective capital market, choice is inevitable: there are not enough resources to deliver all the new infrastructure possibilities mapped. In this context, the PNL 2050 target scenario acts as a mechanism for well-targeted allocation, ensuring that available capital is directed to the assets with the greatest socioeconomic impact and the greatest capacity to transform Brazil's modal split. It also consolidates the governance of logistics planning: by setting a clear direction, the PNL 2050 target scenario ensures that institutional and regulatory efforts, including those involving environmental licensing and the preparation of technical studies for project structuring, are not dispersed but converge harmoniously on delivering the priorities.

Clear communication with society: explicit strategic choices

The PNL 2050 target scenario is also an instrument of institutional communication with the market and with society as a whole. A State plan with a 25-year horizon must clearly set out the vision of the country it seeks to build. When the government presents an excessive list of competing or overlapping projects, with no clear hierarchy, the signal becomes blurred. A lack of focus dilutes the strength of the plan, turning it into an unrealistic "wish list" that drives away long-term investors because of the perceived institutional disorganization.

Conversely, by delimiting and upholding a target scenario, the State establishes a solid anchor for market expectations. Private investors, infrastructure operators and development finance institutions gain a clear signal of the Brazilian State's priority bets. This substantially reduces the political-institutional risk and the demand risk perceived by the market, since the private sector can align its corporate strategies, fundraising rounds and expansion plans with the country's official development guidelines.

THE PIT PROJECT BANK

Alternative pathways: resilience, flexibility and institutional agility

If the target scenario gives planning the direction and stability it needs, the project bank gives it the resilience that is indispensable in the face of long-term dynamics. State planning for the coming decades cannot be built to fit only the conditions of the moment. A 25-year horizon will span multiple political, economic and technological cycles. Having a bank of alternative projects ensures that PNL 2050 survives changes of government and shifts in macroeconomic tides and the global context, preserving the technical character and continuity of government transport policy.

This flexibility is vital because the transition from the theoretical conception of a major infrastructure project to its actual operation is marked by a dense ecosystem of uncertainty. There is no absolute guarantee that the priority bets of the target scenario will materialize without setbacks. In-depth engineering studies may reveal unforeseen adverse geological conditions; financial feasibility analyses may point to returns too low to attract the market; and the environmental licensing process itself may identify insurmountable constraints requiring the original asset to be abandoned or thoroughly redesigned.

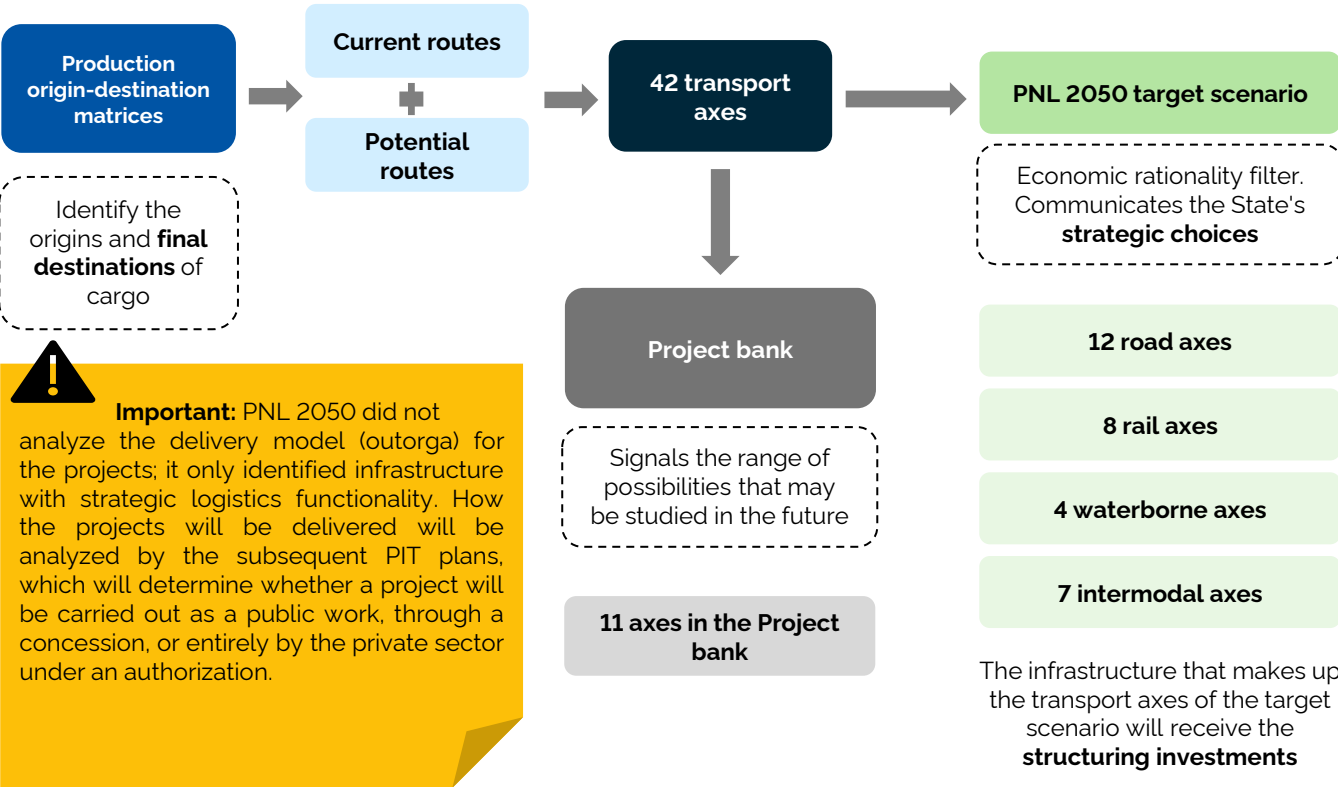
In this context of technical, legal and environmental volatility, the absence of a structured alternative represents a strategic risk for the country. Historically, the maturation cycle for studies in Brazil, ranging from EVTEAs (technical, economic and environmental feasibility studies) to detailed designs and preliminary environmental licenses (LP), has been slow and complex. Should a target-scenario priority fail or run into insurmountable obstacles, the lack of ready options pushes the State into decision-making paralysis, causing economic losses and delaying national logistics development.

The project bank therefore emerges as a powerful risk buffer and a driver of institutional agility. By maintaining a portfolio of alternative projects under constant monitoring and updating, the State gains the ability to pivot its investment decisions quickly when actual conditions diverge from the original plan's predictions. If private interest in a given concession lot does not materialize, or if a socio-environmental obstacle blocks a logistics axis, the government can immediately activate a substitute project with sufficiently similar technical maturity. This avoids wasted time, optimizes public resources and ensures that national infrastructure continues to advance at a steady pace.

IMPLEMENTATION AND EXPANSION PRIORITIES TO 2050

To decide on the implementation or expansion of infrastructure, a new prioritization was carried out: no longer of action objectives, but of infrastructure. The infrastructure selected to make up the PNL 2050 target scenario was that which best serves the action objectives (in intensity or scope), thus forming a portfolio of structuring interventions characterized by making the greatest contribution to achieving the prioritized objectives. Multifunctional infrastructure (i.e., infrastructure serving multiple objectives simultaneously) was prioritized and considered structuring because of its broad purpose. On the other hand, infrastructure that, although relatively specialized in scope, plays a transformative role in solving a prioritized action objective was also prioritized, and was therefore considered structuring because of the intensity of its impact.

To ensure an intermodal analysis, the structuring interventions mapped were grouped into transport axes. Transport axes are sets of investments in specific infrastructure (greenfield or brownfield) that, integrated intermodally, become new routes or improve existing routes to serve freight and passenger flows considered strategic for the country. In other words, transport axes are aggregations of routes (existing or potential). Routes are sequences of infrastructure used to transport goods or people from an origin to a destination.



SUSTAINABILITY IN PNL 2050

Dimensões da sustentabilidade	 GHG emissions	PNL 2050 compares emission factors per tonne-km across the different transport modes to guide investments that reduce GHG emissions from the transport sector.
	 Climate resilience	PNL 2050 adopts a climate risk model that anticipates threats in order to guide investment in infrastructure resilience at the locations most vulnerable to extreme weather events.
	 Biodiversity protection	PNL 2050 analyzes the biodiversity surrounding infrastructure to guide the search for alternative locations and strategies for ecosystem protection and combating deforestation.
	 Proteção de populações no entorno	PNL 2050 identifies the populations surrounding infrastructure to guide the search for alternative locations, avoid resettlement in densely populated areas and ensure the protection of traditional peoples and communities.

1st analytical perspective: territorial sensitivity to anticipate project risks

In partnership with the Inter-American Development Bank (IDB), PNL 2050 conducted a sensitivity analysis of the Brazilian territory, indicating the presence of objective socio-environmental factors in the area of influence of the prioritized infrastructure, such as Indigenous and quilombola lands, population clusters, caves or sensitive biodiversity zones in the surrounding area. Because it does not assess specific physical interventions, this approach recognizes that the actual socio-environmental impact is a complex phenomenon, whose precise and definitive measurement will only take place at future stages, once the details of the works have been established in subsequent studies. Far from rendering investments unfeasible, the identification of territorial vulnerability serves as a strategic guide for the most appropriate way to design the project, recognizing transport infrastructure as an indispensable vector for access to fundamental rights, citizenship and regional development. Accordingly, for each sensitivity identified in the plan, a corresponding set of mitigation and adaptation guidelines is presented, ensuring that the expansion of the country's logistics capacity takes place in a manner that is technically feasible, legally secure and aligned with sustainability best practices.

2nd analytical perspective: promotion of cross-cutting public policies

The socio-environmental analysis integrated into PNL 2050 also promotes cross-cutting coordination between transport policies and federal strategic targets such as the Climate Plan (Plano Clima) and the Action Plans for the Prevention and Control of Deforestation. Some territorial sensitivity factors are not the direct responsibility of the infrastructure manager. Even so, PNL 2050 acts as a driver of territorial governance, reinforcing the implementation of other public policies coordinated with the development of transport infrastructure. The aim is to ensure that the areas surrounding the infrastructure are properly protected and prepared to receive investment, promoting integrated management and oversight of the territory. Infrastructure is thus no longer seen as a vector of risk, but instead reinforces the presence of the State and of public policies throughout Brazil, becoming an ally of sustainable regional development.

SUSTAINABILITY IN PNL 2050

3rd analytical perspective: guiding investment in climate resilience

In partnership with the Inter-American Development Bank (IDB), PNL 2050 adopted a climate risk model that uses the pessimistic SSP5-8.5 simulated scenario of the Intergovernmental Panel on Climate Change (IPCC) to anticipate climate threats that could disrupt the transport system, in order to guide investment in infrastructure resilience.

Climate threat assessed	Highways	Railways	Waterways	Airports	Ports
Storms	X	X		X	X
River flooding	X	X	X	X	X
Landslides	X	X			
Meteorological droughts (absence of rainfall)			X	X	X
Sea level rise			X	X	X
Changes in wind patterns				X	

4th analytical perspective: transport infrastructure as a vector of rights and citizenship

Transport infrastructure is an essential vector for access to citizenship, health, education and mobility, including for traditional peoples and communities, as well as an indispensable tool for the development of all regions of the country and for tackling socioeconomic inequalities between territories. In the North Region in particular, waterways and aerodromes are the main — and sometimes the only — transport and mobility infrastructure. Securing and maintaining transport conditions is fundamental to the very realization of the basic rights of the populations of these regions.

Beyond its socioeconomic benefits, transport infrastructure makes the very presence of the State possible in the country's border areas and most isolated regions. Effective protection of citizens' constitutional rights and environmental safeguards themselves depend on access routes that allow public officials to travel. Well-planned infrastructure strengthens and enables the implementation of public policies, ensuring that oversight bodies, including environmental agencies, reach the most sensitive points of the national territory.

From this perspective, PNL 2050 prioritized investment in waterway infrastructure with the aim of improving the flow of products from the sociobiodiversity economy, defined here as the productive practices of Indigenous peoples, traditional communities and family farmers, mainly in the North Region, carried out in harmony with the preservation of the region's biodiversity. It also prioritized investment in waterway and airport infrastructure aimed at ensuring territorial access for isolated communities in the North Region to essential services, especially health care, emergency care, supplies, administrative travel and a minimum connection to public networks.

IMPLEMENTATION AND
EXPANSION PRIORITIES TO
2050:

ROAD TRANSPORT AXES





INDEX OF ROAD TRANSPORT AXES

Investment priorities for implementation and expansion: road transport axes	
Axis ID	Axis name
R001	Road link between São Paulo and the South Region
R002	Road link from Goiás and Minas Gerais to Rio de Janeiro
R003	North-South road link
R004	Road link between Bahia and the Southeast Region
R005	Interior-to-coast road link in the Northeast
R006	Fortaleza–Salvador road link
R007	Road link from the Center-West to the South Region
R008	Road link from Rio Grande do Sul to the ports
R009	Road link from Goiás to the ports of Bahia
R010	Road link between Maranhão and Piauí
R011	Road link from Goiás, Minas Gerais and Bahia to Espírito Santo
R012	Road link from Goiás and Mato Grosso do Sul to São Paulo



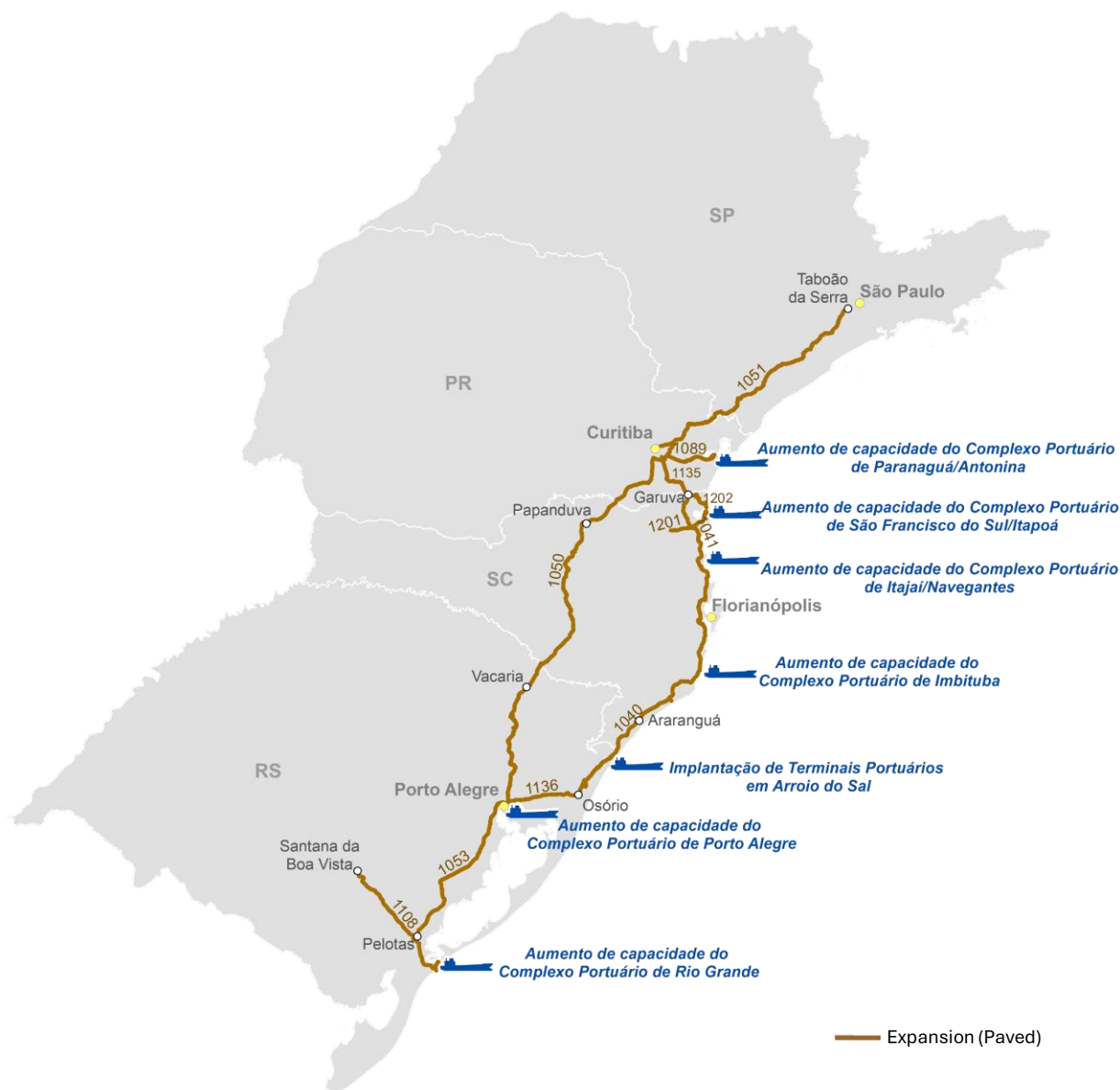
GLOSSARY: CARGO GROUPS

Code	Cargo Group
MBS	Mineral Bulk Solids
OMBS	Other Mineral Bulk Solids
BL	Bulk Liquids
ABS	Agricultural Bulk Solids
CGC	Containerizable General Cargo
NCGC	Non-Containerizable General Cargo



ROAD TRANSPORT AXIS No. 1

Axis name	Road link between São Paulo and the South Region
Axis code	R001
No. of structuring interventions	17





ROAD TRANSPORT AXIS No. 1

Road projects				
Jurisdiction	Project		ID	Type of intervention
Federal	Upgrade of BR-277/PR (Curitiba/PR - Paranaguá/PR)		1089	Expansion
Federal	Upgrade of BR-290/RS (Osório/RS - Porto Alegre/RS)		1136	Expansion
Federal	Upgrade of BR-101	Upgrade of BR-101/RS/SC (Osorio/RS - Imbituba/SC)	1040	Expansion
		Upgrade of BR-101/SC (Div. PR/SC - Imbituba/SC)	1041	Expansion
Federal	Upgrade of BR-116	Upgrade of BR-116/PR/SC/RS (Curitiba/PR - Porto Alegre/RS)	1050	Expansion
		Upgrade of BR-116/PR/SP (Curitiba/PR - São Paulo/SP)	1051	Expansion
		Upgrade of BR-116/RS (Porto Alegre/RS - Pelotas/RS)	1053	Expansion
Federal	Upgrade of BR-280/SC (Jaraguá do Sul/SC - São Francisco do Sul/SC)		1201	Expansion
Federal	Upgrade of BR-376/PR (Curitiba/PR - Div. PR/SC)		1135	Expansion
Federal	Upgrade of BR-392/BR-471 (Santana da Boa Vista/RS - Rio Grande/RS)		1108	Expansion
State	Upgrade of SC-417/SC-416 (Garuva/SC - Itapoá/SC)		1202	Expansion



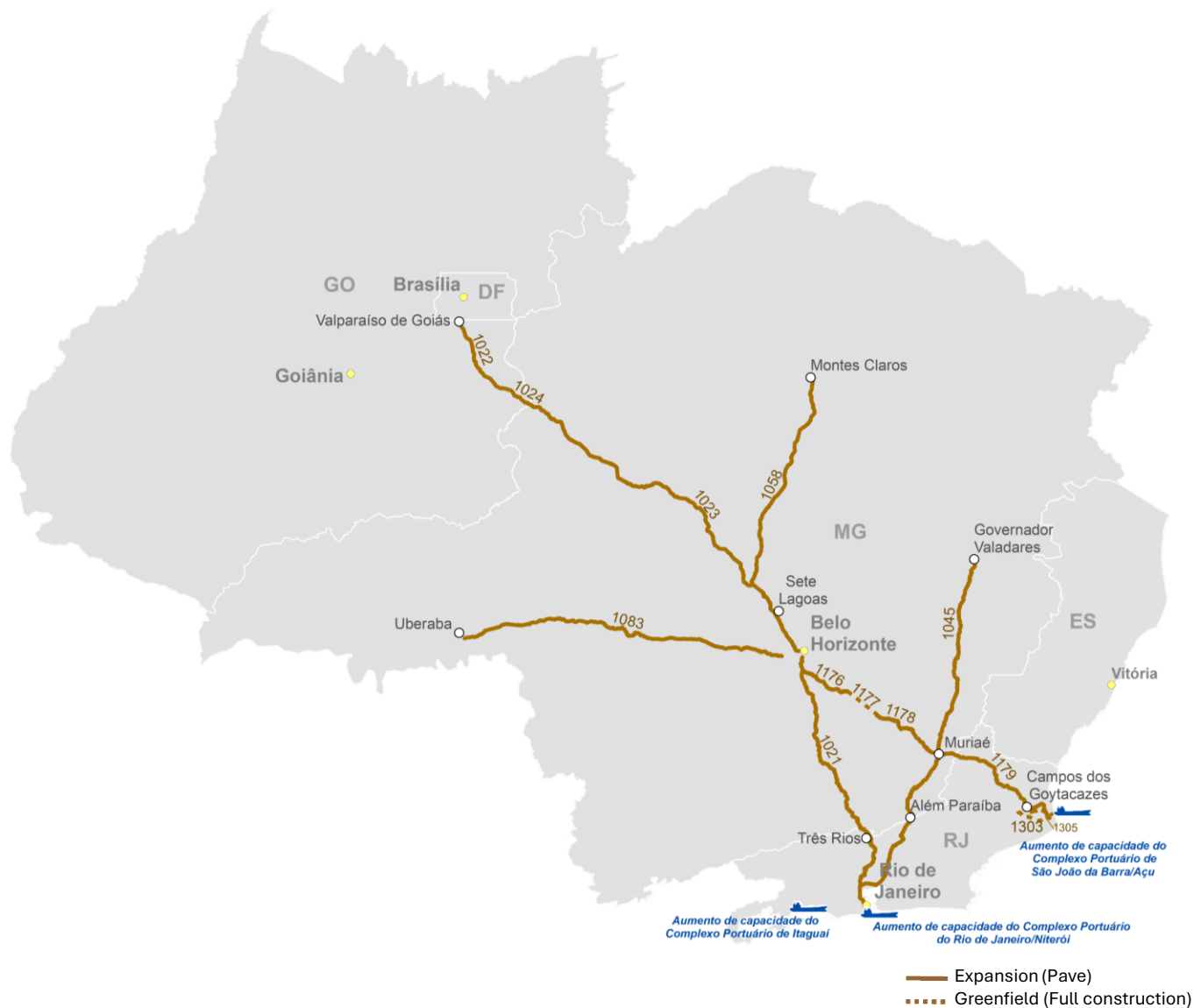
ROAD TRANSPORT AXIS No. 1

Port projects				
Jurisdiction	Project		ID	Type of intervention
Federal	Expansion of Port Complex of Imbituba-SC	Capacity increase for CGC/NCGC	4009	Expansion
		Capacity increase for ABS	4010	Expansion
		Capacity increase for OMBS	4113	Expansion
		Capacity increase for BL	4268	Expansion
Federal	Expansion of Port Complex of Itajaí/Navegantes-SC	Capacity increase for CGC/NCGC	4013	Expansion
Federal	Expansion of Port Complex of Paranaguá/Antonina-PR	Capacity increase for CGC/NCGC	4022	Expansion
		Capacity increase for BL	4091	Expansion
		Capacity increase for ABS	4023	Expansion
		Capacity increase for OMBS	4114	Expansion
Federal	Expansion of Port Complex of Porto Alegre-RS	Capacity increase for CGC/NCGC	4085	Expansion
		Capacity increase for BL	4115	Expansion
		Capacity increase for OMBS	4084	Expansion
		Capacity increase for ABS	4116	Expansion
Federal	Expansion of Port Complex of Rio Grande-RS	Capacity increase for CGC/NCGC	4027	Expansion
		Capacity increase for ABS	4090	Expansion
		Capacity increase for OMBS	4028	Expansion
		Capacity increase for BL	4120	Expansion
Federal	Expansion of Port Complex of São Francisco do Sul/Itapoá-SC	Capacity increase for CGC/NCGC	4037	Expansion
		Capacity increase for BL	4125	Expansion
		Capacity increase for ABS	4038	Expansion
		Capacity increase for OMBS	4124	Expansion



ROAD TRANSPORT AXIS No. 2

Axis name	Road link from Goiás and Minas Gerais to Rio de Janeiro
Axis code	R002
No. of structuring interventions	17





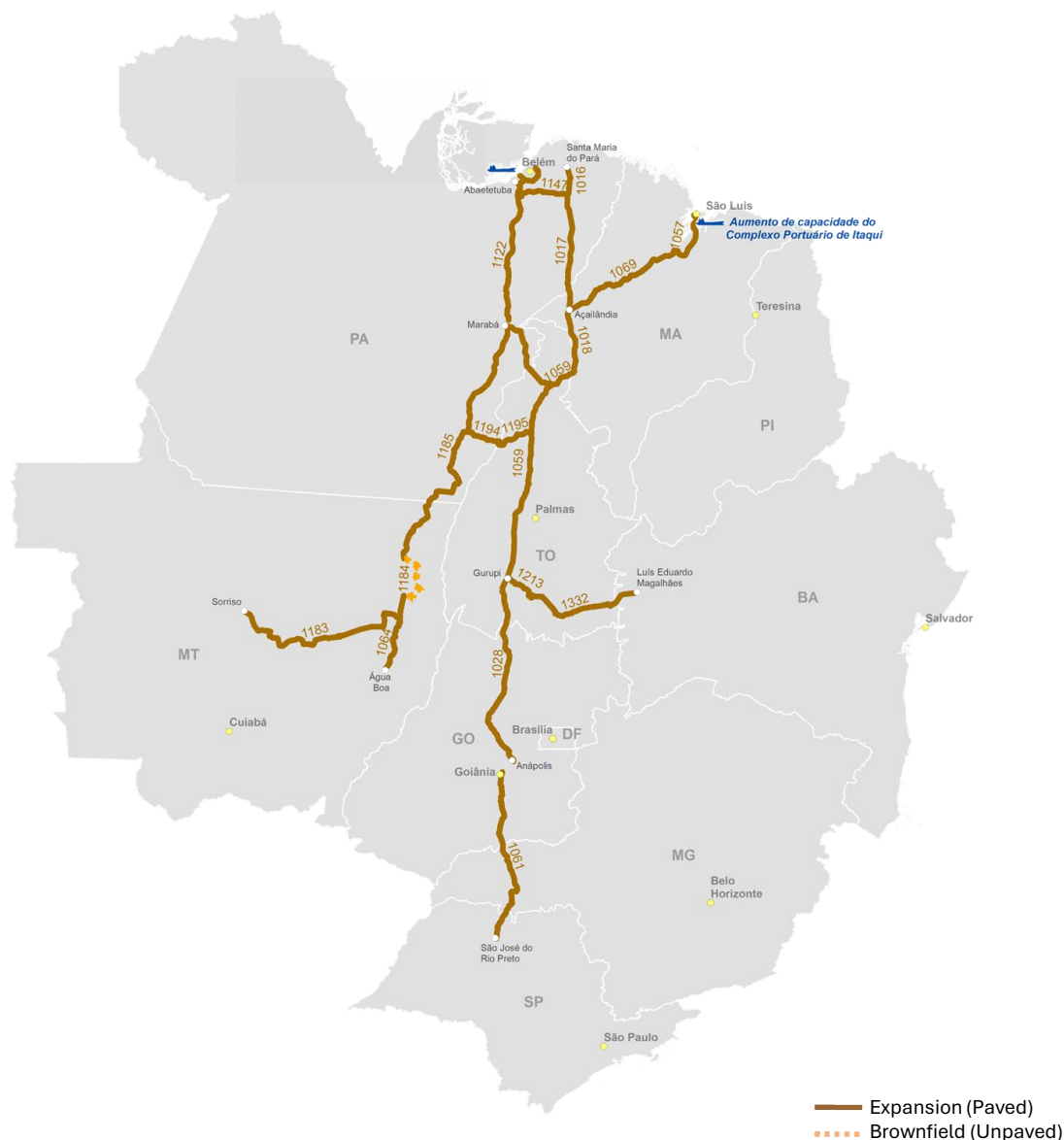
ROAD TRANSPORT AXIS No. 2

Road projects				
Jurisdiction			ID	Type of intervention
Federal	Upgrade of BR-040	Upgrade of BR-040/GO/DF (Cristalina/GO - Brasília/DF)	1022	Expansion
		Upgrade of BR-040/MG (Paracatu/MG -Belo Horizonte/MG)	1023	Expansion
		Upgrade of BR-040/MG/GO (Paracatu/MG - Cristalina/GO)	1024	Expansion
		Upgrade of BR-040/MG/RJ (Belo Horizonte/MG -Rio de Janeiro/RJ)	1021	Expansion
Federal	Upgrade of BR-116/MG/RJ (Gov. Valadares/MG - Rio de Janeiro/RJ)		1045	Expansion
Federal	Upgrade of BR-262/MG (Betim/MG - Uberaba/MG)		1083	Expansion
Federal	Upgrade of BR-356/MG/RJ (Ervália/MG - RJ/240)		1179	Expansion
Federal	Implementation of BR-356/MG (Mariana/MG - Porto Firme/MG)		1177	Implementation - Greenfield
State	Upgrade of MG-356 (BR-040/MG - Mariana/MG)		1176	Expansion
State	Upgrade of MG-135 (BR-040/MG - Montes Claros/MG)		1058	Expansion
State	Upgrade of MG-482/MG-120/MG-356 (Porto Firme/MG - Viçosa/MG - Ervália/MG)		1178	Expansion
State	Upgrade of RJ-240 (BR-356/RJ - Porto do Açú/RJ)		1180	Expansion
State	Implementation of RJ-244 (Acess to Port do Açú/RJ)		1303	Implementation - Greenfield
State	Implementation of road section (Complementary access to Port of Açú/RJ)		1305	Implementation - Greenfield
Port projects				
Jurisdiction	Project		ID	Type of intervention
Federal	Expansion of Port Complex of Itaguaí-RJ	Capacity implementation for ABS	4012	Expansion
		Capacity implementation for BL	4112	Expansion
		Capacity increase for OMBS	4073	Expansion
		Capacity increase for CGC/NCGC	4011	Expansion
Federal	Expansion of Port Complex of São João da Barra/Açu-RJ	Capacity implementation for ABS	4061	Expansion
		Capacity implementation for OMBS	4062	Expansion
		Capacity increase for BL	4099	Expansion
		Capacity increase for CGC/NCGC	4060	Expansion
Federal	Expansion of Port Complex of Rio de Janeiro/Niterói -RJ	Capacity increase for CGC/NCGC	4044	Expansion
		Capacity increase for BL	4126	Expansion
		Capacity increase for OMBS	4045	Expansion



ROAD TRANSPORT AXIS No. 3

Axis name	North-South road link
Axis code	R003
No. of structuring interventions	21





ROAD TRANSPORT AXIS No. 3

Road projects				
Jurisdiction		Project	ID	Type of intervention
State	Upgrade of PA-252/PA-151/PA-483 (Mãe do Rio/PA - Abaetetuba/PA - PA-483/PA)		1147	Expansion
State	Upgrade of PA-483/PA-900/PA-150 (Barcarena/PA - Ananindeua/PA)		1144	Expansion
Federal	Upgrade of BR-010	Upgrade of BR-010/MA (Estreito/MA - Açailândia/MA)	1018	Expansion
		Upgrade of BR-010/MA/PA (Açailândia/MA -Mãe do Rio/PA)	1017	Expansion
		Upgrade of BR-010/PA (Mãe do Rio/PA - Santa Maria do Pará/PA)	1016	Expansion
Federal	Upgrade of BR-135/MA (Miranda do Norte/MA - São Luís/MA)		1057	Expansion
Federal	Upgrade of BR-153	Upgrade of BR-153/BR-226/TO/PA (Aliança do Tocantins/TO - Marabá/PA - Estreito/MA)	1059	Expansion
		Upgrade of BR-153/GO/TO (Anápolis/GO - Aliança do Tocantins/TO)	1028	Expansion
		Upgrade of BR-153/GO/MG (Goiânia/GO - São José do Rio Preto/SP)	1061	Expansion
Federal	Upgrade of BR-222/MA (Açailândia/MA - Miranda do Norte/MA)		1069	Expansion
State	Upgrade of PA-150 (BR-222/PA - PA-252)		1122	Expansion
Federal	Upgrade of BR-158	Upgrade of BR-158/BR-155/MT/PA (End of the Bypass around the Indigenous Land Maraiwatsede/MT - Marabá/PA)	1185	Expansion
		Paving of BR-158/MT (Bypass around the Indigenous Land Maraiwatsede/MT)	1184	Implementation - Browfield
		Upgrade of BR-158/MT (Água Boa/MT -MT-322/Bom Jesus do Araguaia/MT)	1064	Expansion
State	Upgrade of PA-287/PA-447 (Redenção/PA - Div. PA/TO)		1194	Expansion
State	Upgrade of TO-336/TO-335 (Div. PA/TO - BR-153/TO)		1195	Expansion
Federal	Upgrade of BR-242	Upgrade of BR-242/TO (Gurupi/TO - Peixe/TO)	1213	Expansion
		Upgrade of BR-242/MT (Sorriso/MT - BR-158/MT)	1183	Expansion
		Upgrade of BR-242 (Peixe/TO - Luís Eduardo	1332	Expansion
Port projects				
Jurisdiction	Project		ID	Type of intervention
Federal	Expansion of Port Complex of Belém/Vila do Conde-PA	Capacity increase for CGC/NCGC	4004	Expansion
		Capacity increase for BL	4094	Expansion
		Capacity increase for ABS	4005	Expansion
		Capacity increase for OMBS	4108	Expansion
Federal	Expansion of Port Complex of Itaquí-MA	Capacity increase for CGC/NCGC	4016	Expansion
		Capacity increase for BL	4087	Expansion
		Capacity increase for ABS	4017	Expansion
		Capacity increase for OMBS	4015	Expansion



ROAD TRANSPORT AXIS No. 4

Axis name	Road link between Bahia and the Southeast Region
Axis code	R004
No. of structuring interventions	19





ROAD TRANSPORT AXIS No. 4

Road projects				
Jurisdiction		Project	ID	Type of intervention
Federal	Upgrade of BR-324/BA (Salvador/BA - Feira de Santana/BA)		1095	Expansion
		Upgrade of BR-101/BA/ES (BR-324/BA - Vitória/ES)	1034	Expansion
Federal	Upgrade of BR-101	Upgrade of BR-101/ES/RJ (BR-262/ES - Campos dos Goytacazes/RJ)	1036	Expansion
		Upgrade of BR-101/RJ (Campos dos Goytacazes/RJ - Rio de Janeiro/RJ)	1039	Expansion
		Upgrade of BR-116/BA (Div. MG/BA - Feira de Santana/BA)	1043	Expansion
Federal	Upgrade of BR-116	Upgrade of BR-116/MG (Gov. Valadares/MG - Div. MG/BA)	1044	Expansion
		Upgrade of BR-116/MG/RJ (Gov. Valadares/MG - Rio de Janeiro/RJ)	1045	Expansion
		Upgrade of BR-116/RJ/SP (Rio de Janeiro/RJ - São Paulo/SP)	1052	Expansion
Federal	Upgrade of BR-251/MG (Montes Claros/MG - BR-116/MG)		1081	Expansion
Federal	Upgrade of BR-365/MG (Montes Claros/MG - BR-364/MG)		1104	Expansion
State	Upgrade of MG-135 (BR-040/MG - Montes Claros/MG)		1058	Expansion
State	Upgrade of ES-297 (Div. RJ/ES - BR-101/ES)		1120	Expansion
State	Upgrade of RJ-186/RJ-230 (Div. MG/RJ - Div. RJ/ES)		1173	Expansion
State	Upgrade of MG-393 (Além Paraíba/MG - Pirapetinga/MG)		1172	Expansion
Federal	Upgrade of BR-393/RJ/MG (Volta Redonda/RJ - Além Paraíba/MG)		1137	Expansion
Federal	Upgrade of BR-381	Upgrade of BR-381/MG (Belo Horizonte/MG - Gov. Valadares/MG)	1106	Expansion
		Upgrade of BR-381/MG/SP (Belo Horizonte/MG - São Paulo/SP)	1107	Expansion
Federal	Upgrade of BR-259/BR-367/MG (Curvelo/MG - Jequitinhonha/MG)		1221	Expansion
Federal	Upgrade of BR-367/MG/BA (Jequitinhonha/MG - Itagimirim/BA)		1012	Expansion



ROAD TRANSPORT AXIS No. 5

Axis name	Interior-to-coast road link in the Northeast
Axis code	R005
No. of structuring interventions	17





ROAD TRANSPORT AXIS No. 5

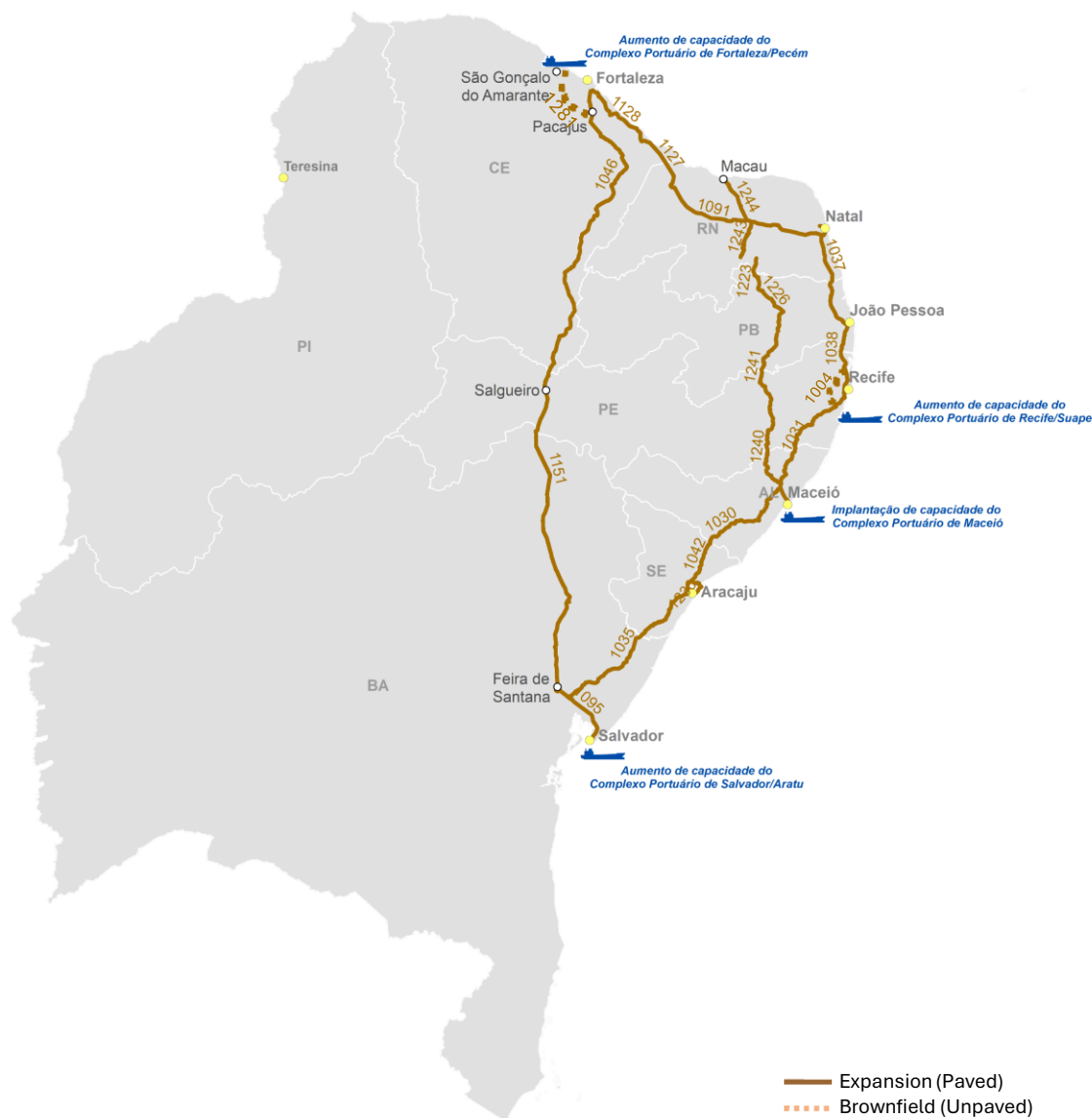
Road projects			
Jurisdiction	Project	ID	Type of intervention
Federal	Upgrade of BR-020/BR-135/BA/PI (Barreiras/BA - Corrente/PI)	1055	Expansion
	Upgrade of BR-020/PI (State Section) (Div. PI/BA - Simplício Mendes/PI)	1191	Expansion
	Implementation of BR-020/BA (Div. BA/PI - Santa Rita de Cássia/BA)	1148	Implementation Greenfield
	Upgrade of BR-020/CE/PI (Fortaleza/CE -BR-230/PI)	1019	Expansion
	Implementation of BR-020/PI (Simplício Mendes/PI - BR-230/PI)	1192	Implementation Greenfield
State	Upgrade of BA-451 (Santa Rita de Cássia/BA - BR-135/BA)	1149	Expansion
Federal	Upgrade of BR-232/PE (Salgueiro/PE - Recife/PE)	1079	Expansion
Federal	Upgrade of BR-232/BR-316/PE/PI (Salgueiro/PE - Vila Nova do Piauí/PI)	1071	Expansion
Federal	Upgrade of BR-230/BR-135/MA (Balsas/MA - Div. MA/PI)	1073	Expansion
	Upgrade of BR-230/PI/CE (BR-343/PI - Div. PI/CE)	1145	Expansion
	Upgrade of BR-230/CE (Faria Brito/CE - BR-116/CE)	1175	Expansion
	Upgrade of BR-230/PB/CE (Patos/PB - BR-116/CE)	1078	Expansion
	Upgrade of BR-230/PB (João Pessoa/PB -Patos/PB)	1077	Expansion
State	Upgrade of CE-292/CE-166 (Div. PI/CE - Faria Brito/CE)	1174	Expansion

Port projects				
Jurisdiction		Project	ID	Type of intervention
Federal	Expansion of the Port Complex of Cabedelo-PB	Capacity increase for BL	4110	Expansion
		Capacity implementation for CGC/NCGC	4006	Expansion
Federal	Expansion of the Port Complex of Fortaleza/Pecém-CE	Capacity increase for CGC/NCGC	4007	Expansion
		Capacity increase for BL	4097	Expansion
		Capacity increase for ABS	4008	Expansion
		Capacity implementation for em OMBS	4111	Expansion
Federal	Expansion of the Port Complex of Recife/Suape-PE	Capacity increase for CGC/NCGC	4026	Expansion
		Capacity increase for BL	4088	Expansion
		Capacity increase for ABS	4059	Expansion
		Capacity increase for OMBS	4119	Expansion



ROAD TRANSPORT AXIS No. 6

Axis name	Fortaleza–Salvador road link
Axis code	R006
No. of structuring interventions	30





ROAD TRANSPORT AXIS No. 6

Road projects				
Jurisdiction	Project	ID	Type of intervention	
Federal	Implementation of the Road Bypass BR-101/408/PE em Recife/PE	1004	Implementation - Greenfield	
Federal	Upgrade of BR-101/BA/SE (BR-324/BA -Aracaju/SE)	1035	Expansion	
	Upgrade of BR-101/AL (Div. AL/SE - Pilar/AL)	1030	Expansion	
	Upgrade of BR-101/AL/PE (Pilar/AL -Recife/PE)	1031	Expansion	
Federal	Upgrade of BR-101	Upgrade of BR-101/PB/RN (João Pessoa/PB - Natal/RN)	1037	Expansion
		Upgrade of BR-101/PE/PB (Recife/PE - João Pessoa/PB)	1038	Expansion
		Upgrade of BR-101/SE (Aracaju/SE -Div. SE/AL)	1042	Expansion
Federal	Upgrade of BR-116	Upgrade of BR-116/CE (Icó/CE - Fortaleza/CE)	1046	Expansion
		Upgrade of BR-116/BA/PE/PB/CE (Feira de Santana/BA - Icó/CE)	1151	Expansion
Federal	Upgrade of BR-304	Upgrade of BR-304/RN (Natal/RN -Mossoró/RN)	1091	Expansion
		Upgrade of BR-304/RN/CE (Mossoró/RN - Aracati/CE)	1127	Expansion
Federal	Upgrade of BR-324/BA (Salvador/BA - Feira de Santana/BA)	1095	Expansion	
State	Upgrade of CE-040 (Aracati/CE - Fortaleza/CE)	1128	Expansion	
State	Upgrade of SE-240/SE-100 (BR-101/SE - Barra dos Coqueiros/SE)	1230	Expansion	
State	Implementation of the Fortaleza Metropolitan Road Arc - CE	1281	Implementation - Greenfield	
Federal	Upgrade of BR-104	Upgrade of BR-104/PB (Campina Grande/PB - Div. PB/RN)	1226	Expansion
		Upgrade of BR-104/AL (BR-101/AL - Maceió/AL)	1314	Expansion
		Upgrade of BR-104/AL/PE (Messias/AL - Caruaru/PE)	1240	Expansion
		Upgrade of BR-104/PE/PB (Caruaru/PE - Campina Grande/PB)	1241	Expansion
State	Upgrade of RN-104	Upgrade of RN-104 (Div. PB/RN - BR-226/RN)	1223	Expansion
		Upgrade of RN-104 (BR-226/RN - BR-304/RN)	1243	Expansion
		Upgrade of RN-104 (BR-304/RN - BR-406/RN)	1244	Expansion



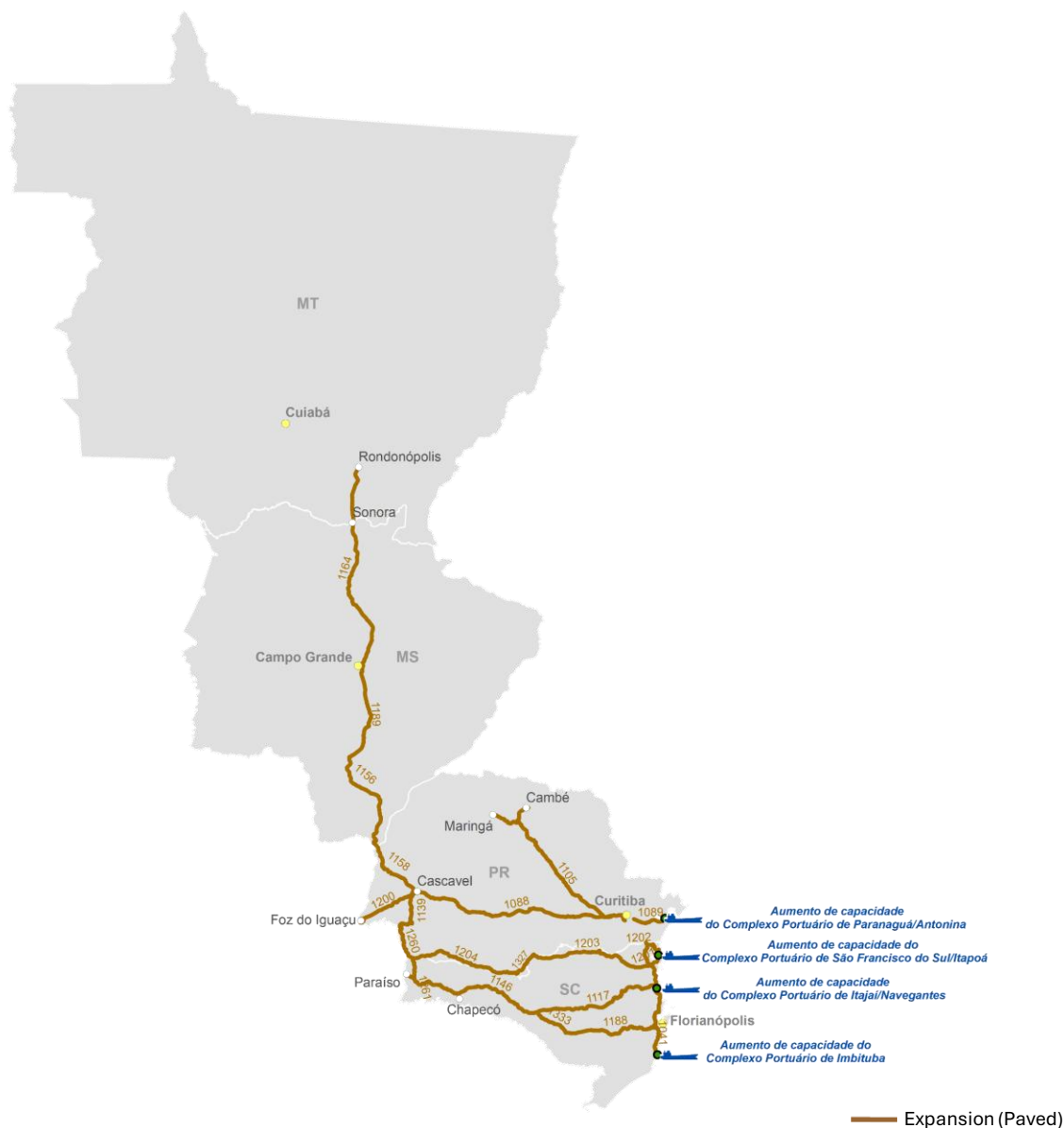
ROAD TRANSPORT AXIS No. 6

Port projects				
Jurisdiction		Project	ID	Type of intervention
Federal	Expansion of the Port Complex of Aracaju/Barra dos Coqueiros-SE	Capacity increase for BL	4133	Expansion
		Capacity increase for ABS	4055	Expansion
		Capacity implementation for CGC/NCGC	4054	Expansion
		Capacity increase for OMBS	4134	Expansion
Federal	Expansion of the Port Complex of Areia Branca/Macau-RN	Capacity increase for BL	4001	Expansion
		Capacity increase for OMBS	4068	Expansion
Federal	Expansion do Complexo Portuário Fortaleza/Pecém-CE	Capacity increase for CGC/NCGC	4007	Expansion
		Capacity increase for BL	4097	Expansion
Federal	Expansion of the Port Complex of Maceió-AL	Capacity increase for ABS	4019	Expansion
Federal	Expansion of the Port Complex of Natal-RN	Capacity increase for ABS	4269	Expansion
		Capacity increase for CGC/NCGC	4021	Expansion
Federal	Expansion of the Port Complex of Recife/Suape-PE	Capacity increase for CGC/NCGC	4026	Expansion
		Capacity increase for BL	4088	Expansion
		Capacity increase for ABS	4059	Expansion
		Capacity increase for OMBS	4119	Expansion
Federal	Capacity implementation at the Port Complex of Cabedelo-PB	Capacity implementation for CGC/NCGC	4006	Expansion
		Capacity implementation for em ABS	4008	Expansion
		Capacity increase for BL	4110	Expansion
		Capacity implementation for OMBS	4111	Expansion
Federal	Expansion of the Port Complex of Salvador/Aratu-BA	Capacity implementation for CGC/NCGC	4018	Expansion
		Capacity increase for CGC/NCGC	4030	Expansion
		Capacity increase for BL	4089	Expansion
		Capacity increase for ABS	4031	Expansion
		Capacity increase for OMBS	4029	Expansion



ROAD TRANSPORT AXIS No. 7

Axis name	Road link from the Center-West to the South Region
Axis code	RO07
No. of structuring interventions	24





ROAD TRANSPORT AXIS No. 7

Road projects				
Jurisdiction		Project	ID	Type of intervention
Federal	Upgrade of BR-277	Upgrade of BR-277/PR (Cascavel/PR - Curitiba/PR)	1088	Expansion
		Upgrade of BR-277/PR (Cascavel/PR - Foz do Iguaçu/PR/Fronteira Brasil/Paraguai/Argentina)	1200	Expansion
		Upgrade of BR-277/PR (Curitiba/PR - Paranaguá/PR)	1089	Expansion
Federal	Upgrade of BR-101/SC (Div. PR/SC - Imbituba/SC)		1041	Expansion
Federal	Upgrade of BR-470/SC (Navegantes/SC - Campos Novos/SC)		1117	Expansion
Federal	Upgrade of BR-282/BR-470/SC (Campos Novos/SC - Chapecó/SC - Paraíso/SC)		1146	Expansion
State	Upgrade of SC-417/SC-416 (Guarua/SC - Itapoá/SC)		1202	Expansion
Federal	Upgrade of BR-369/BR-376/PR (Londrina/Maringá/PR - Curitiba/PR)		1105	Expansion
Federal	Upgrade of BR-163	Upgrade of BR-163/MS/PR (BR-487/MS - Cascavel/PR)	1158	Expansion
		Upgrade of BR-163/MS (Dourados/MS - BR-487/MS)	1156	Expansion
		Upgrade of BR-163/MS/MT (Campo Grande/MS - Rondonópolis/MT)	1164	Expansion
		Upgrade of BR-163/PR (PR-182 - Barracão/PR)	1260	Expansion
		Upgrade of BR-163/PR (Cascavel/PR - PR-182)	1139	Expansion
		Upgrade of BR-163/SC (Div. PR/SC - São Miguel do Oeste/SC)	1261	Expansion
		Upgrade of BR-163/MS (Campo Grande/MS - Dourados/MS)	1189	Expansion
Federal	Upgrade of BR-280	Upgrade of BR-280/BR-373/SC/PR (BR-153/SC - Barracão/PR/Fronteira Brasil/Argentina)	1204	Expansion
		Upgrade of BR-280/SC (Jaraguá do Sul/SC - São Francisco do Sul/SC)	1201	Expansion
		Upgrade of BR-280/SC (Jaraguá do Sul/SC - BR-153/SC)	1203	Expansion
		Upgrade of BR-280/BR-153 (Div. PR/SC - União da Vitória/PR)	1327	Expansion
Federal	Upgrade of BR-282/SC	Upgrade of BR-282/SC (Lages/SC - BR-470)	1333	Expansion
		Upgrade of BR-282/SC (Florianópolis/SC - Lages/SC)	1188	Expansion



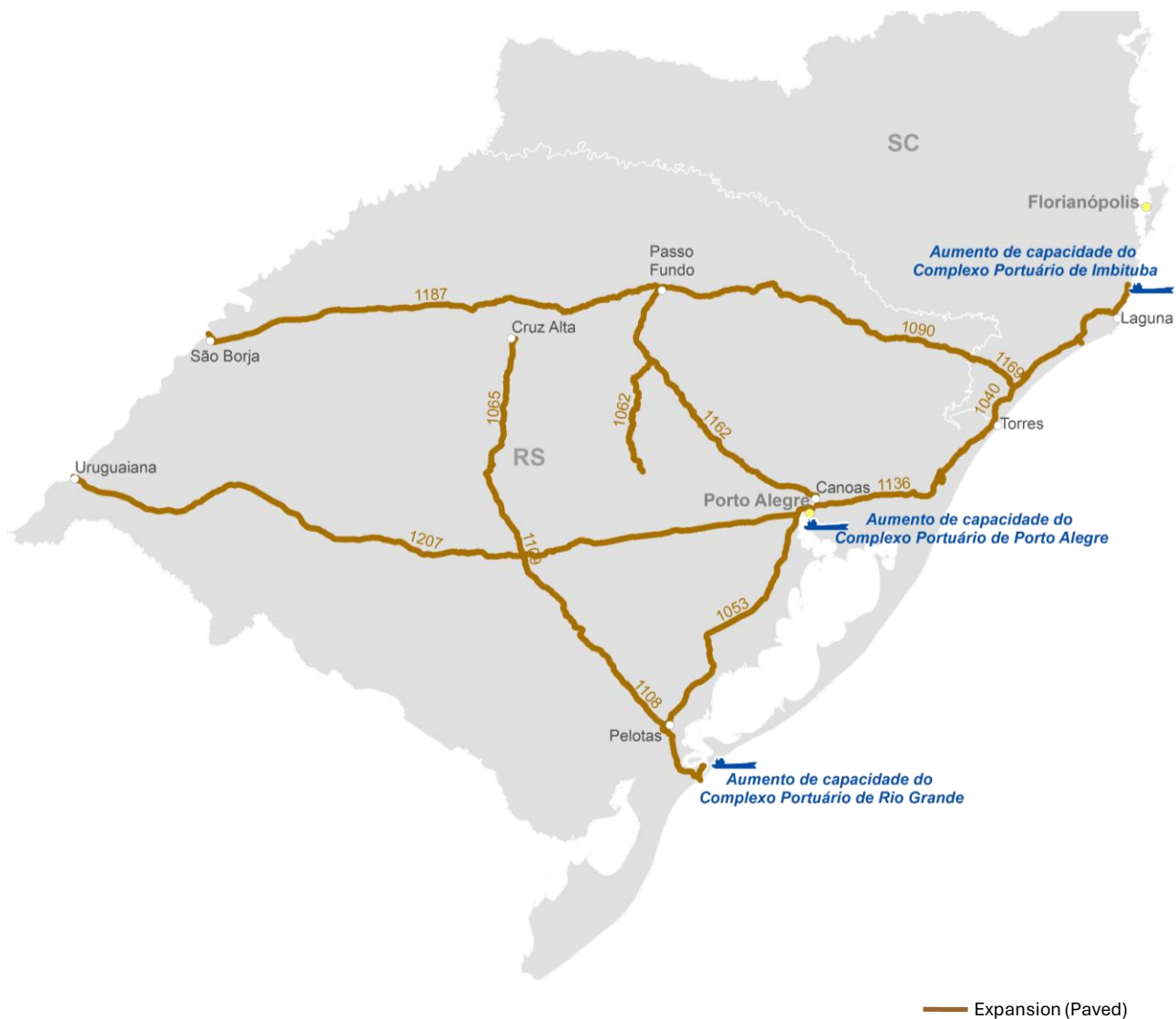
ROAD TRANSPORT AXIS No. 7

Port projects				
Jurisdiction	Project		ID	Type of intervention
Federal	Expansion of the Port Complex of Itajaí/Navegantes-SC	Capacity increase for CGC/NCGC	4013	Expansion
Federal	Expansion of the Port Complex of Paranaguá/Antonina	Capacity increase for CGC/NCGC	4022	Expansion
		Capacity increase for BL	4091	Expansion
		Capacity increase for ABS	4023	Expansion
		Capacity increase for OMBS	4114	Expansion
Federal	Expansion of the Port Complex of São Francisco do Sul/Itapoá-SC	Capacity increase for CGC/NCGC	4037	Expansion
		Capacity increase for BL	4125	Expansion
		Capacity increase for ABS	4038	Expansion
		Capacity increase for OMBS	4124	Expansion
Federal	Expansion of the Port Complex of Imbituba-SC	Capacity increase for CGC/NCGC	4009	Expansion
		Aumento de capacidade em ABS	4010	Expansion
		Capacity increase for OMBS	4113	Expansion
		Capacity implementation for BL	4268	Expansion



ROAD TRANSPORT AXIS No. 8

Axis name	Road link from Rio Grande do Sul to the ports
Axis code	R008
No. of structuring interventions	16





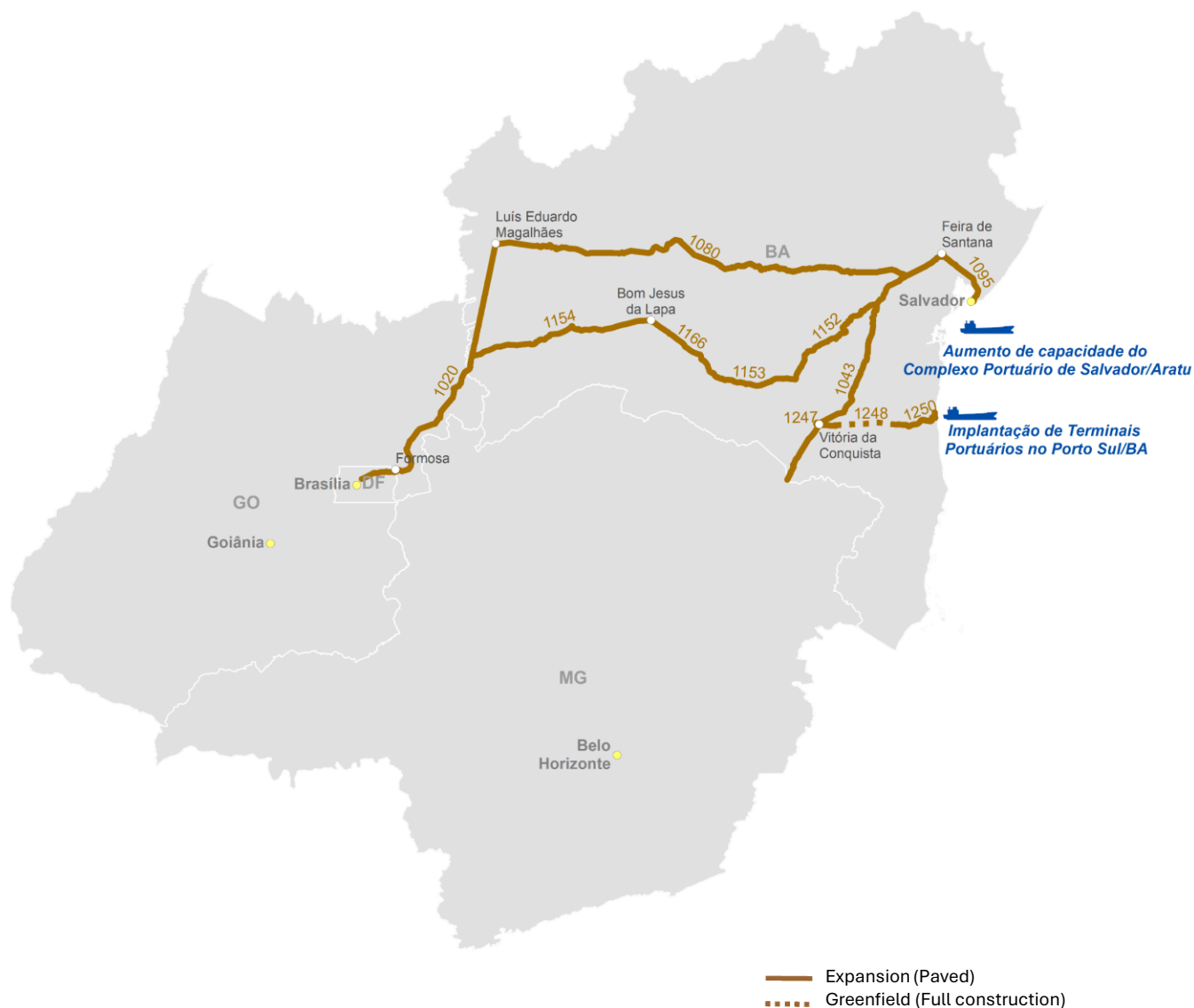
ROAD TRANSPORT AXIS No. 8

Road projects				
Jurisdiction		Project	ID	Type of intervention
Federal		Upgrade of BR-101/RS/SC (Osorio/RS - Imbituba/SC)	1040	Expansion
Federal		Upgrade of BR-116/RS (Porto Alegre/RS - Pelotas/RS)	1053	Expansion
State		Upgrade of RS-153 (Passo Fundo/RS - Tio Hugo/RS - Soledade/RS - BR-287/RS)	1062	Expansion
Federal	Upgrade of BR-153	Upgrade of BR-153/BR-386/RS (Tio Hugo/RS - Canoas/RS)	1162	Expansion
		Upgrade of BR-153/RS (Erechim/RS - Passo Fundo/RS)	1334	Expansion
Federal		Upgrade of BR-158/RS (Cruz Alta/RS - Santa Maria/RS)	1065	Expansion
Federal		Upgrade of BR-392/RS (Santa Maria/RS - Santana da Boa Vista/RS)	1109	Expansion
Federal		Upgrade of BR-392/BR-471 (Santana da Boa Vista/RS - Rio Grande/RS)	1108	Expansion
Federal		Upgrade of BR-290/RS (Osório/RS - Porto Alegre/RS)	1136	Expansion
Federal		Upgrade of BR-290/RS (Porto Alegre/RS - Uruguai/RS)	1207	Expansion
Federal		Upgrade of BR-285/RS (Passo Fundo/RS - São Borja/RS/Fronteira Brasil/Argentina)	1187	Expansion
Federal		Upgrade of BR-285/RS/SC (Passo Fundo/RS - Timbé do Sul/SC)	1090	Expansion
State		Upgrade of da SC-285 (Timbé do Sul/SC - BR-101/SC)	1169	Expansion
Port projects				
Jurisdiction		Project	ID	Type of intervention
Federal	Expansion of the Port Complex of Porto Alegre/RS	Capacity increase for CGC/NCGC	4085	Expansion
		Capacity increase for BL	4115	Expansion
		Capacity increase for ABS	4084	Expansion
		Capacity increase for OMBS	4116	Expansion
Federal	Expansion of the Port Complex of Rio Grande/RS	Capacity increase for CGC/NCGC	4027	Expansion
		Capacity increase for BL	4090	Expansion
		Capacity increase for ABS	4028	Expansion
		Capacity increase for OMBS	4120	Expansion
Federal	Expansion of the Port Complex of Imbituba/SC	Capacity increase for CGC/NCGC	4009	Expansion
		Capacity increase for ABS	4010	Expansion
		Capacity increase for OMBS	4113	Expansion
		Capacity implementation for BL	4268	Expansion



ROAD TRANSPORT AXIS No. 9

Axis name	Road link from Goiás to the ports of Bahia
Axis code	R009
No. of structuring interventions	15





ROAD TRANSPORT AXIS No. 9

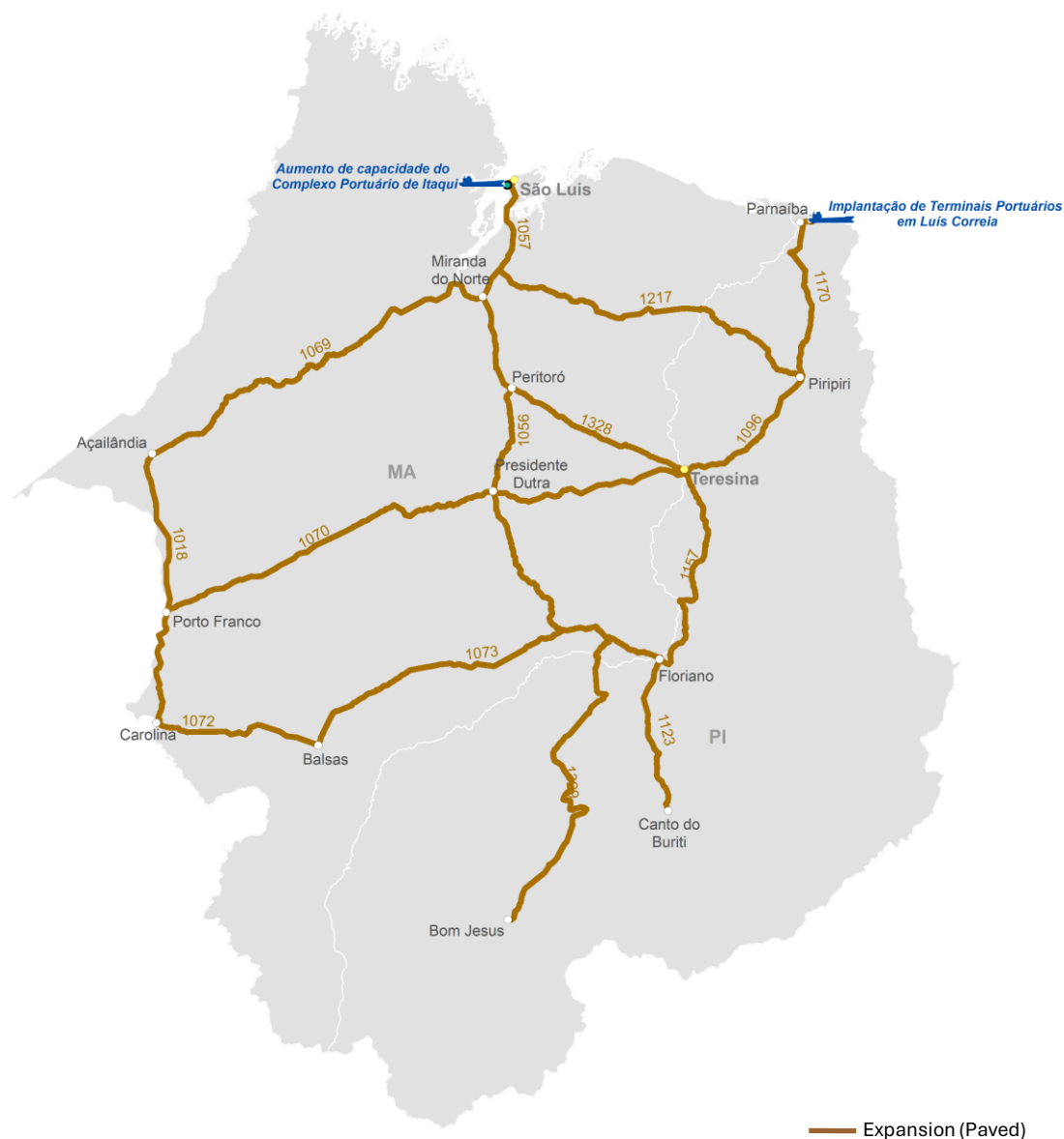
Road projects				
Jurisdiction	Project		ID	Type of intervention
Federal	Upgrade of BR-116/BA (Div. MG/BA - Feira de Santana/BA)		1043	Expansion
Federal	Upgrade of BR-020 (Brasília/DF - Luís Eduardo Magalhães/BA)		1020	Expansion
Federal	Upgrade of BR-242/BA (Luís Eduardo Magalhães/BA - BR-116/BA)		1080	Expansion
Federal	Upgrade of BR-324/BA (Salvador/BA - Feira de Santana/BA)		1095	Expansion
State	Upgrade of BA-415	Upgrade of BA-415 (Vitória da Conquista/BA - Barra do Choça/BA)	1247	Expansion
		Upgrade of BA-415 (Floresta Azul/BA - BA-120)	1249	Expansion
Federal	BR-415	Implementation of BR-415/BA (Barra do Choça/BA - Floresta Azul/BA)	1248	Implementation - Greenfield
		Upgrade of BR-415/BA (BA-120 - BA-262)	1250	Expansion
State	Upgrade of BA-262/BA-001 (BR-415/BA - Porto Sul/Ilhéus/BA)		1251	Expansion
Federal	Upgrade of BR-349/BA (Bom Jesus da Lapa/BA - BR-020/BA)		1154	Expansion
Federal	Upgrade of BR-430/BA (Caetité/BA - Bom Jesus da Lapa/BA)		1166	Expansion
Federal	Upgrade of BR-030/BA (Sussuarana/BA - Caetité/BA)		1153	Expansion
State	Upgrade of BA-026 (BR-116/BA - Sussuarana/BA)		1152	Expansion

Port projects				
Jurisdiction	Project		ID	Type of intervention
Federal	Expansion of the Port Complex of Salvador-Aratu/BA	Capacity increase for CGC/NCGC	4030	Expansion
		Capacity increase for BL	4089	Expansion
		Capacity increase for ABS	4031	Expansion
		Capacity increase for OMBS	4029	Expansion
Federal	Implementation of Port Terminals at Porto Sul/BA	Capacity implementation for CGC/NCGC	4051	Expansion
		Capacity implementation for ABS	4050	Expansion
		Capacity implementation for OMBS	4129	Expansion



ROAD TRANSPORT AXIS No. 10

Axis name	Road link between Maranhão and Piauí
Axis code	R010
No. of structuring interventions	15





ROAD TRANSPORT AXIS No. 10

Road projects				
Jurisdiction		Project	ID	Type of intervention
Federal	Upgrade of BR-010	Upgrade of BR-010/MA (Estreito/MA - Açailândia/MA)	1018	Expansion
		Upgrade of BR-010/BR-230/MA (Estreito/MA - Balsas/MA)	1072	Expansion
Federal	Upgrade of BR-135	Upgrade of BR-135/MA (BR-230/MA - Miranda do Norte/MA)	1056	Expansion
		Upgrade of BR-135/PI (Bom Jesus/PI - BR-230/MA)	1329	Expansion
		Upgrade of BR-135/MA (Miranda do Norte/MA - São Luís/MA)	1057	Expansion
Federal	Upgrade of BR-222/MA (Açailândia/MA - Miranda do Norte/MA)		1069	Expansion
Federal	Upgrade of BR-230/BR-135/MA (Balsas/MA - Div. MA/PI)		1073	Expansion
Federal	Upgrade of BR-343	Upgrade of BR-343/BR-226/PI (Piripiri/PI - Teresina/PI)	1096	Expansion
Federal		Upgrade of BR-343/PI (Piripiri/PI - Luís Correia/PI)	1170	Expansion
State	Upgrade of PI-140 (Canto do Buriti/PI - Floriano/PI)		1123	Expansion
Federal	Upgrade of BR-316	Upgrade of BR-316/BR-343/PI (Teresina/PI - Floriano/PI)	1157	Expansion
		Upgrade of BR-316/MA (Teresina/PI - Peritoró/MA)	1328	Expansion
Federal	Upgrade of BR-135/PI (Bom Jesus/PI - BR-230/MA)		1329	Expansion
Federal	Upgrade of BR-226/MA (Estreito/MA - Div. MA/PI)		1070	Expansion
Port projects				
Jurisdiction		Project	ID	Type of intervention
Federal	Expansion of the Port Complex of Itaqui/MA	Capacity increase for CGC/NCGC	4016	Expansion
		Capacity increase for BL	4087	Expansion
		Capacity increase for ABS	4017	Expansion
		Capacity increase for OMBS	4015	Expansion
Federal	Implementations of Port Terminals at Luís Correia/PI	Capacity implementation for CGC/NCGC	4074	Expansion
		Capacity implementation for em BL	4098	Expansion
		Capacity implementation for em ABS	4049	Expansion
		Capacity implementation for em OMBS	4128	Expansion



ROAD TRANSPORT AXIS No. 11

Axis name	Road link from Goiás, Minas Gerais and Bahia to Espírito Santo
Axis code	RO11
No. of structuring interventions	16





ROAD TRANSPORT AXIS No. 11

Road projects				
Jurisdiction		Project	ID	Type of intervention
Federal	Upgrade of BR-040	Upgrade of BR-040/GO/DF (Cristalina/GO - Brasília/DF)	1022	Expansion
		Upgrade of BR-040/MG (Paracatu/MG -Belo Horizonte/MG)	1023	Expansion
		Upgrade of BR-040/MG/GO (Paracatu/MG - Cristalina/GO)	1024	Expansion
Federal	Upgrade of BR-101	Upgrade of BR-101/BA/ES (BR-324/BA -Vitória/ES)	1034	Expansion
		Upgrade of BR-101/ES/RJ (BR-262/ES - Campos dos Goytacazes/RJ)	1036	Expansion
Federal	Upgrade of BR-262	Upgrade of BR-262/MG (Betim/MG - Uberaba/MG)	1083	Expansion
		Upgrade of BR-262/MG (BR-381/MG - Div. MG/ES)	1084	Expansion
		Upgrade of BR-262/MG/ES (Div. MG/ES - BR-101/ES)	1085	Expansion
State	Upgrade of ES-445/ES-010 (BR-101/ES - Barra do Riacho/Aracruz/ES)		1121	Expansion
State	Upgrade of ES-162/ES-060 (BR-101/ES - Porto Central/Presidente Kennedy/ES)		1214	Expansion
Federal	Upgrade of BR-259	Upgrade of BR-259/MG (Gov. Valadares/MG - São Vitor/MG)	1242	Expansion
Federal		Upgrade of BR-259 (São Vitor/MG - BR-101/ES)	1331	Expansion
Federal	Upgrade of BR-381/MG (Belo Horizonte/MG - Gov. Valadares/MG)		1106	Expansion
Port projects				
Jurisdiction		Project	ID	Type of intervention
Federal	Expansion of the Port Complex of Barra do Riacho-ES	Capacity increase for CGC/NCGC	4002	Expansion
		Capacity implementation for ABS	4003	Expansion
		Capacity increase for BL	4107	Expansion
		Capacity implementation for OMBS	4058	Expansion
Federal	Expansion of the Port Complex of Vitória-ES	Capacity increase for CGC/NCGC	4042	Expansion
		Capacity increase for BL	4270	Expansion
		Capacity increase for ABS	4039	Expansion
		Capacity increase for OMBS	4043	Expansion
Federal	Implementation of Port Terminals at Porto Central-ES	Capacity implementation for CGC/NCGC	4064	Implementation - Greenfield
		Capacity implementation for BL	4095	Implementation - Greenfield
		Capacity implementation for ABS	4065	Implementation - Greenfield
		Capacity implementation for OMBS	4066	Implementation - Greenfield



ROAD TRANSPORT AXIS No. 12

Axis name	Road link from Goiás and Mato Grosso do Sul to São Paulo
Axis code	R012
No. of structuring interventions	18





ROAD TRANSPORT AXIS No. 12

Road projects			
Jurisdiction	Project	ID	Type of intervention
State	Implementation of the Anchieta/Imigrantes axis (third roadway)	1001	Implementation - Greenfield
Federal	Upgrade of BR-050/GO/MG (Cristalina/GO - Div. SP/MG)	1025	Expansion
Federal	Upgrade of BR-153/GO/MG (Goiânia/GO - São José do Rio Preto/SP)	1061	Expansion
Federal	Upgrade of BR-452/GO (Rio Verde/GO - Itumbiara/GO)	1116	Expansion
Federal	Upgrade of BR-267/MS (Rio Brilhante/MS - Porto Murtinho/MS)	1086	Expansion
	Upgrade of BR-267/MS (Nova Alvorada do Sul/MS - Div. MS/SP)	1087	Expansion
State	Upgrade of do Lote Litoral Paulista (Miracatu/SP - Praia Grande/SP - Santos/SP - Bertioga/SP - Mogi das Cruzes/SP - Arujá/SP)	1313	Expansion
State	Upgrade of SP-150 (São Paulo/SP - Santos/SP)	1322	Expansion
State	Upgrade of SP-270/SP-327/SP-225 (Div. MS/SP - SP-280)	1255	Expansion
State	Upgrade of SP-280 (SP-225 - São Paulo/SP)	1253	Expansion
State	Upgrade of SP-300 (Três Lagoas/MS - Araçatuba/SP)	1330	Expansion
State	Upgrade of SP-300 (Araçatuba/SP - SP-280)	1254	Expansion
State	Upgrade of SP-310 (São José do Rio Preto/SP - SP-330)	1252	Expansion
State	Upgrade of SP-330 (Divisa SP/MG - São Paulo/SP) (Rod. Anhanguera)	1026	Expansion
Federal	Upgrade of BR-364/GO/MT (Jataí/GO - Alto Araguaia/MT)	1100	Expansion
	Upgrade of BR-364/GO (Jataí/GO - São Simão/GO)	1098	Expansion
	Upgrade of BR-364/GO/MG (São Simão/GO - Planura/MG)	1099	Expansion

Port projects				
Jurisdiction		Project	ID	Type of intervention
Federal	Expansion of the Port Complex of Santos/SP	Capacity increase for CGC/NCGC	4033	Expansion
		Capacity increase for ABS	4034	Expansion
		Capacity increase for OMBS	4036	Expansion
		Capacity increase for MBS	4076	Expansion
		Capacity increase for BL	4086	Expansion

IMPLEMENTATION AND
EXPANSION PRIORITIES TO
2050:

RAIL TRANSPORT AXES





INDEX OF RAIL TRANSPORT AXES

Investment priorities for implementation and expansion: rail transport axes	
Axis ID	Axis name
F001	Center-Southeast rail network
F002	North-South rail link
F003	Rail link in the interior of the Northeast
F004	East-West rail link
F005	Southeast-Northeast rail link
F006	Rail link along the Northeast coast
F007	Bioceanic corridor via Mato Grosso do Sul
F008	Rail link in the northern Northeast



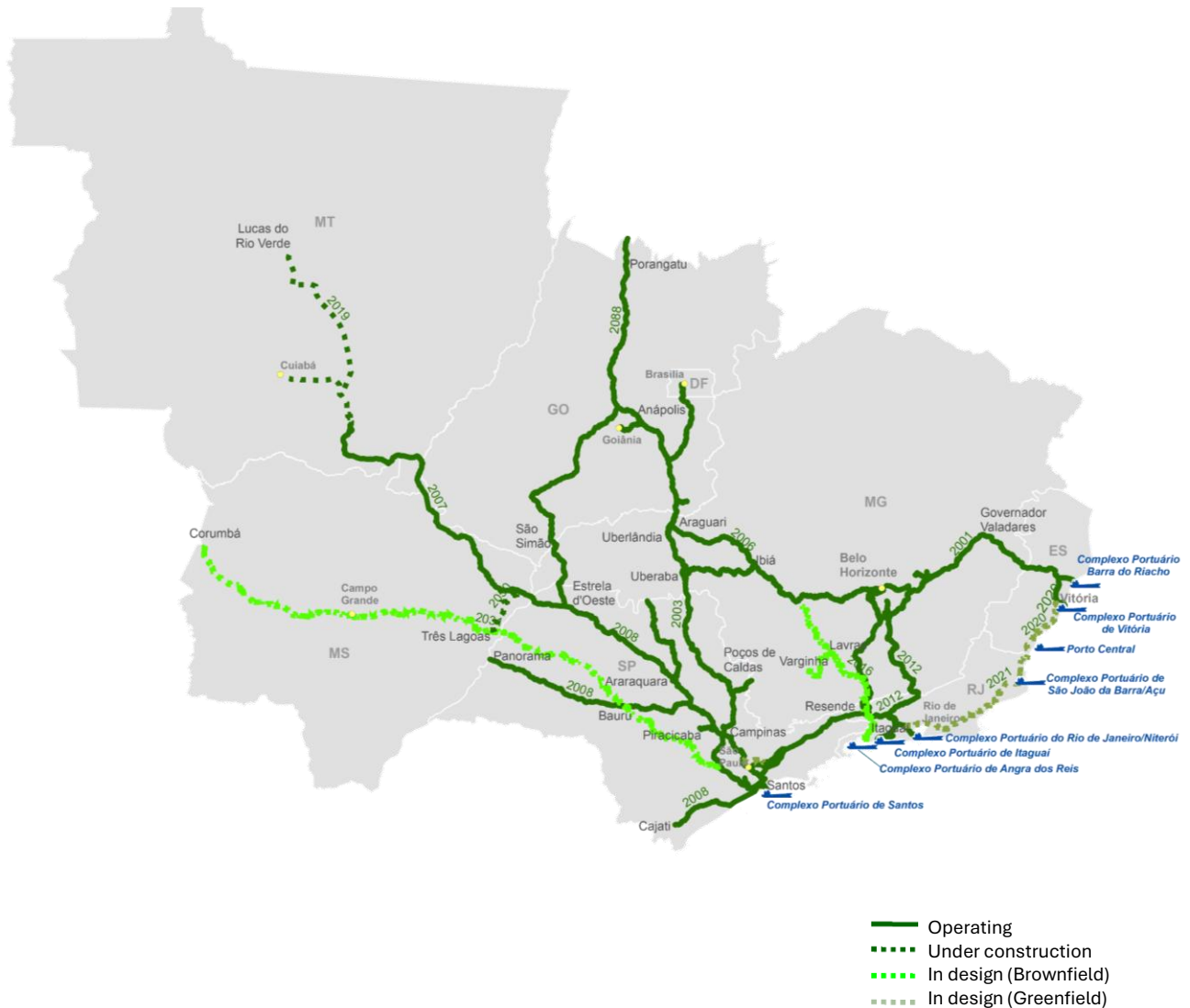
GLOSSARY: CARGO GROUPS

Code	Cargo Group
MBS	Mineral Bulk Solids
OMBS	Other Mineral Bulk Solids
BL	Bulk Liquids
ABS	Agricultural Bulk Solids
CGC	Containerizable General Cargo
NCGC	Non-Containerizable General Cargo



RAIL TRANSPORT AXIS No. 1

Axis name	Center-Southeast rail network
Axis code	F001
No. of structuring interventions	22





RAIL TRANSPORT AXIS No. 1

Rail projects				
Jurisdiction	Project	ID	Type of intervention	Gauge
Federal	Expansion of Malha Norte	2007	Maintenance	Broad
Federal	Expansion of Malha Paulista	2008	Expansion	Broad
Federal	Implementation of Ferrovia Malha Oeste (Corumbá/MS - Mairinque/SP)	2031	Implementation - Brownfield	Broad
Federal	Expansion of MRS	2012	Expansion	Broad
Federal	Expansion of EFVM	2001	Expansion	Metre
Federal	FNS (Tramo Central)	2088	Maintenance	Broad
Federal	Expansion of FCA (Goiânia/GO/Brasília/DF - Campinas/SP)	2003	Expansion	Metre
Federal	Expansion of FCA (Uberaba/Araguari/MG - Belo Horizonte/MG)	2006	Expansion	Metre
State	Implementation of Ferrovia Rumo MT (Rondonópolis/MT - Lucas do Rio Verde/MT)	2019	Implementation - Greenfield	Broad
Federal	Implementation of Ferrovia Três Lagoas/MS - Aparecida do Taboado/MS	2050	Implementation - Greenfield	Broad
Federal	Implementation of EF-118 (Santa Leopoldina/ES - São João da Barra/RJ)	2020	Implementation - Greenfield	Metre (planned)
Federal	Implementation of EF-118 (São João da Barra/RJ - Nova Iguaçu/RJ)	2021	Implementation - Greenfield	To be defined
Federal	Expansion of Ferrovia Minas-Rio	2016	Implementation - Brownfield	Metre
Federal	Implementation of the Ferroanel Norte - Trecho II (São Paulo/SP - Itaquaquecetuba/SP)	2075	Implementation - Greenfield	To be defined
Port projects				
Jurisdiction	Project	ID	Type of intervention	
Federal	Capacity increase for CGC/NCGC	4002	Expansion	
	Expansion of the Port Complex of Barra do Riacho-ES	Capacity implementation for BL	4107	Expansion
		Capacity increase for OMBS	4058	Expansion
		Capacity implementation for ABS	4003	Expansion



RAIL TRANSPORT AXIS No. 1

Port projects				
Jurisdiction		Project	ID	Type of intervention
Federal	Port Complex of Itaguaí	Capacity increase for CGC/NCGC	4011	Expansion
		Capacity implementation for BL	4112	Expansion
		Capacity increase for OMBS	4073	Expansion
		Capacity implementation for ABS	4012	Expansion
Federal	Port Complex of São João da Barra/Açu	Capacity increase for CGC/NCGC	4060	Expansion
		Capacity increase for BL	4099	Expansion
		Capacity implementation for ABS	4061	Expansion
		Capacity implementation for OMBS	4062	Expansion
Federal	Port Complex of Vitória	Capacity increase for CGC/NCGC	4042	Expansion
		Capacity increase for BL	4270	Expansion
		Capacity increase for ABS	4039	Expansion
		Capacity increase for OMBS	4043	Expansion
Federal	Complexo Portuário Rio de Janeiro/Niterói	Capacity increase for CGC/NCGC	4044	Expansion
		Capacity increase for BL	4126	Expansion
		Capacity increase for OMBS	4045	Expansion
Federal	Port Complex of Angra dos Reis	Capacity implementation for CGC/NCGC	4263	Expansion
Federal	Implementation Port Terminals at Porto Central	Capacity implementation for CGC/NCGC	4064	Implementation - Greenfield
		Capacity implementation for BL	4095	Implementation - Greenfield
		Capacity implementation for ABS	4065	Implementation - Greenfield
		Capacity implementation for OMBS	4066	Implementation - Greenfield
Federal	Port Complex of Santos	Capacity increase for CGC/NCGC	4033	Expansion
		Capacity increase for BL	4086	Expansion
		Capacity increase for ABS	4034	Expansion
		Capacity increase for OMBS	4036	Expansion
		Capacity increase for MBS	4076	Expansion



RAIL TRANSPORT AXIS No. 2

Axis name	North-South rail link
Axis code	F002
No. of structuring interventions	6





RAIL TRANSPORT AXIS No. 2

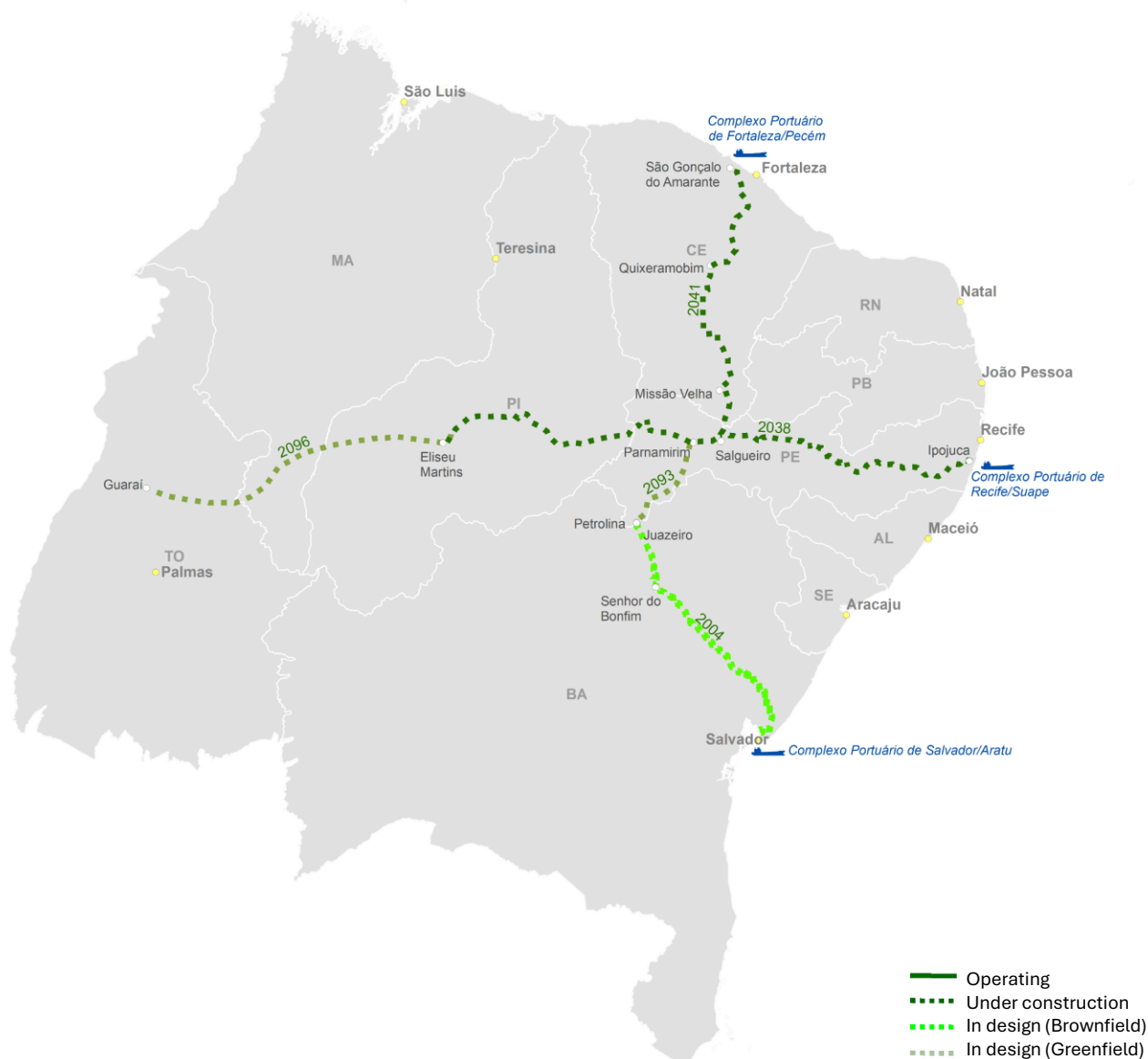
Rail projects				
Jurisdiction	Project	ID	Type of intervention	Gauge
Federal	EFC	2015	Maintenance	Broad
Federal	Implementation of Railway Açailândia/MA - Barcarena/PA	2022	Implementation - Greenfield	Broad
Federal	FNS (Northern Section)	2087	Maintenance	Broad
Federal	FNS (Central Section)	2088	Maintenance	Broad

Port projects				
Jurisdiction	Project	ID	Type of intervention	
Federal	Expansion of the Port Complex of Belém/Vila do Conde	Capacity increase for CGC/NCGC	4004	Expansion
		Capacity increase for OMBS	4108	
		Capacity increase for ABS	4005	
Federal	Expansion of the Port Complex of Itaquí	Capacity increase for OMBS	4015	Expansion
		Capacity increase for CGC/NCGC	4016	
		Capacity increase for ABS	4017	



RAIL TRANSPORT AXIS No. 3

Axis name	Rail link in the interior of the Northeast
Axis code	F003
No. of structuring interventions	8





RAIL TRANSPORT AXIS No. 3

Rail projects				
Jurisdiction	Project	ID	Type of intervention	Gauge
Federal	Implementation of the Salgueiro/PE - Suape/PE Railway	2038	Implementation - Greenfield	Broad
Federal	Implementation of Transnordestina Railway (Eliseu Martins/PI - Porto de Pecém/CE)	2041	Implementation - Greenfield	Broad
Federal	Expansion of FCA (Salvador/BA - Petrolina/PE)	2004	Implementation - Brownfield	Metre
Federal	Implementation of the rail connection FCA - Transnordestina (Petrolina/PE-Salgueiro/PE)	2093	Implementation - Greenfield	Broad
Federal	Implementation of the FNS-Transnordestina link (Guaraí/TO - Eliseu Martins/PI)	2096	Implementation - Greenfield	Broad

Port projects				
Jurisdiction	Project	ID	Type of intervention	
Federal	Expansion of the Port Complex of Fortaleza/Pecém	Capacity increase for CGC/NCGC	4007	Expansion
		Capacity increase for BL	4097	Expansion
		Capacity implementation for OMBS	4111	Expansion
		Capacity increase for ABS	4008	Expansion
Federal	Expansion of the Port Complex of Recife/Suape	Capacity increase for CGC/NCGC	4026	Expansion
		Capacity increase for BL	4088	Expansion
		Capacity increase for OMBS	4119	Expansion
		Capacity increase for ABS	4059	Expansion
Federal	Expansion of the Port Complex of Salvador/Aratu	Capacity increase for CGC/NCGC	4030	Expansion
		Capacity increase for BL	4089	Expansion
		Capacity increase for OMBS	4029	Expansion
		Capacity increase for ABS	4031	Expansion



RAIL TRANSPORT AXIS No. 4

Axis name	East-West rail link
Axis code	F004
No. of structuring interventions	6



..... Under construction
..... In design (Greenfield)



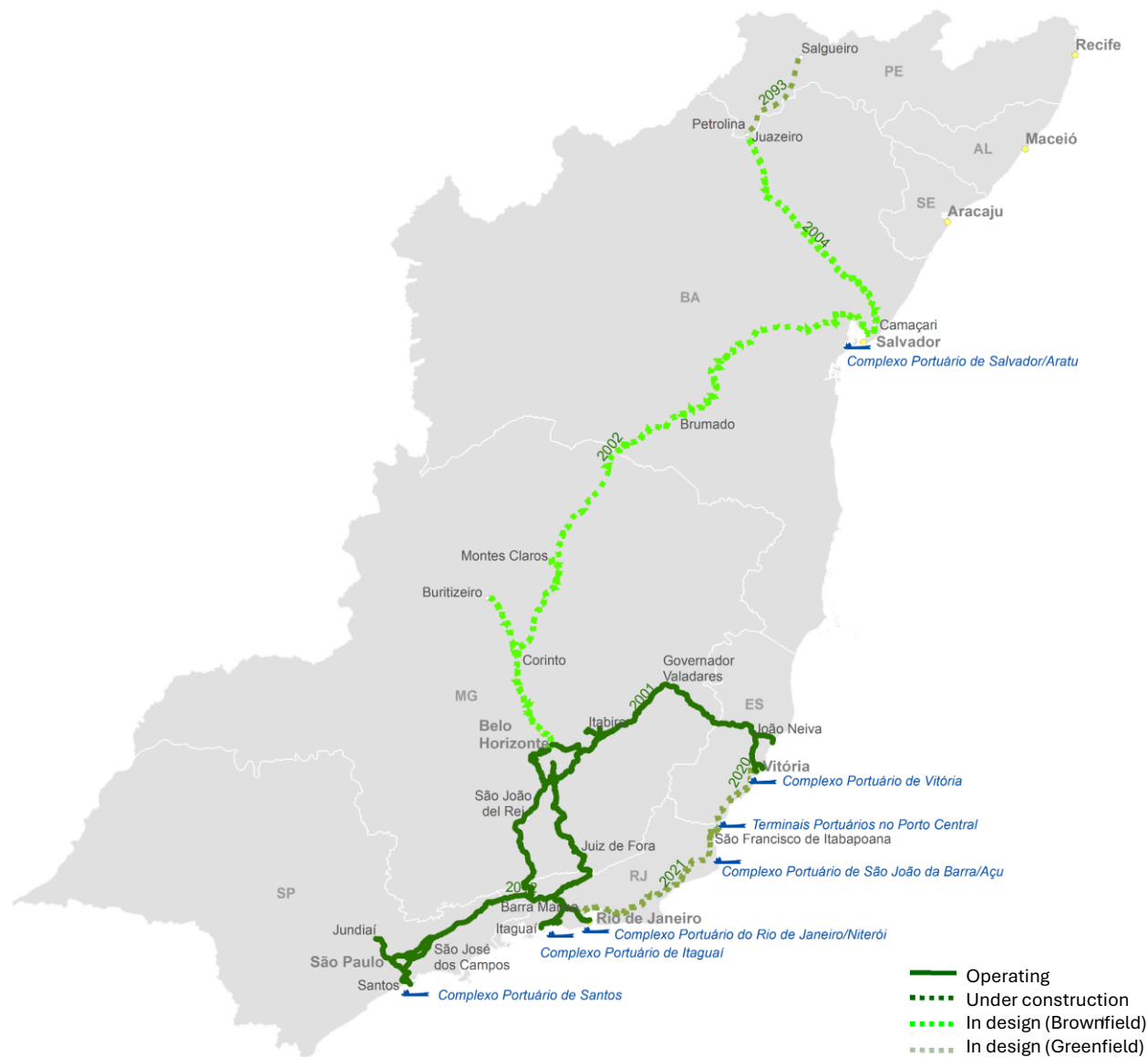
RAIL TRANSPORT AXIS No. 4

Rail projects				
Jurisdiction	Project	ID	Type of intervention	Gauge
Federal	Implementation of FICO I (Mara Rosa/GO - Água Boa/MT)	2042	Implementation - Greenfield	Broad
Federal	Implementation of FICO II (Água Boa/MT - Lucas do Rio Verde/MT)	2043	Implementation - Greenfield	Broad
Federal	Implementation of FIOL I (Caetité/BA - Ilhéus/BA)	2044	Implementation - Greenfield	Broad
Federal	Implementation of FIOL II (São Desidério/Correntina/BA - Caetité/BA)	2045	Implementation - Greenfield	Broad
Federal	Implementation of FIOL III (Correntina/BA - Mara Rosa/GO)	2046	Implementation - Greenfield	Broad
Port projects				
Jurisdiction	Project	ID	Type of intervention	
Federal	Implementation of Port Terminals of Porto Sul	Capacity implementation for ABS	4050	Implementation - Greenfield
		Capacity implementation for OMBS	4129	Implementation - Greenfield
		Capacity implementation for CGC/NCGC	4051	Implementation - Greenfield



RAIL TRANSPORT AXIS No. 5

Axis name	Southeast-Northeast rail link
Axis code	F005
No. of structuring interventions	14





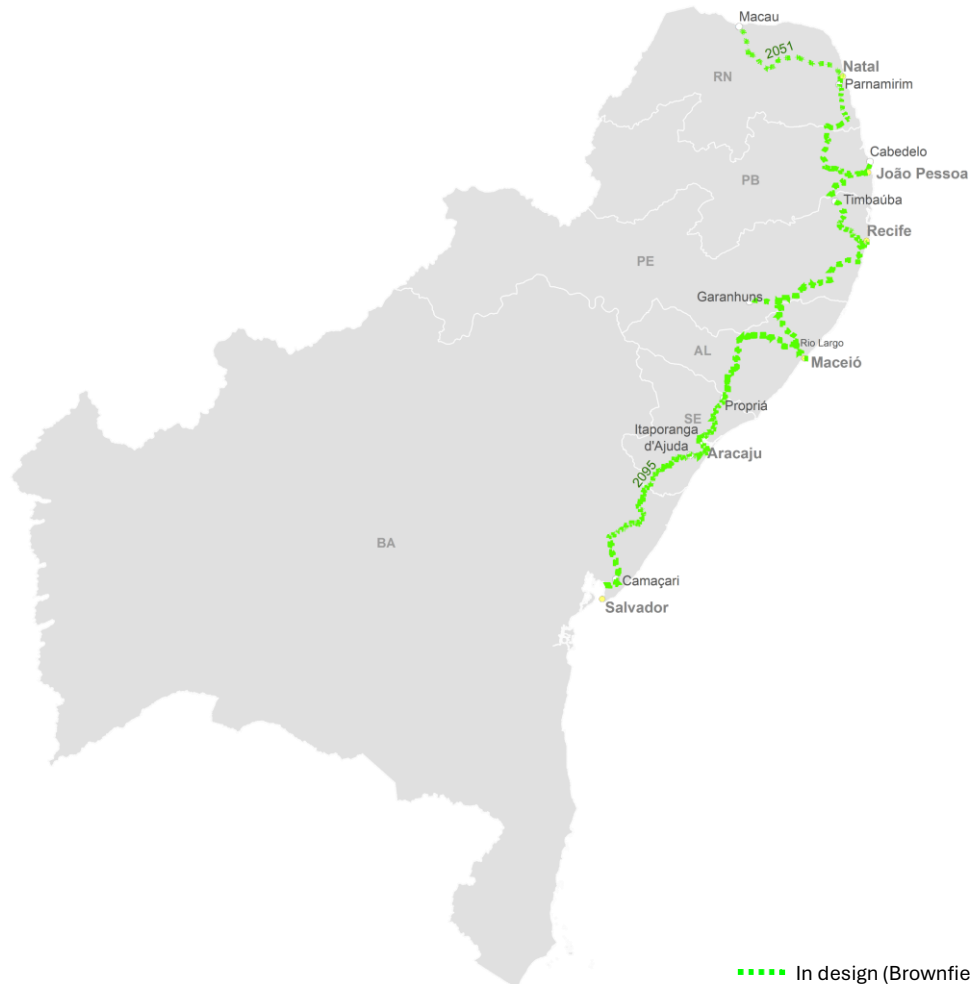
RAIL TRANSPORT AXIS No. 5

Rail projects				
Jurisdiction	Project	ID	Type of intervention	Gauge
Federal	Expansion of FCA (Belo Horizonte/MG -Salvador/BA)	2002	Implementation - Brownfield	Metre
Federal	Expansion of FCA (Salvador/BA – Petrolina/PE)	2004	Implementation - Brownfield	Metre
Federal	Expansion of Malha Sudeste	2012	Expansion	Broad
Federal	Implementation of EF-118 (Santa Leopoldina/ES - São João da Barra/RJ)	2020	Implementation - Greenfield	Metre (prevista)
Federal	Implementation of EF-118 (São João da Barra/RJ - Nova Iguaçu/RJ)	2021	Implementation - Greenfield	To be defined
Federal	Implementation of Cnc. Ferrov. FCA – Transnordestina (Petrolina/PE-Salgueiro/PE)	2093	Implementation - Greenfield	Broad
Federal	Expansion of EFVM	2001	Expansion	Metre
Port projects				
Jurisdiction	Project	ID	Type of intervention	
Federal	Expansion of the Port Complex of Itaguaí	Aumento de capacidade de cargas em CGC/NCGC	4011	Expansion
Federal	Expansion of the Port Complex of Santos	Capacity increase for CGC/NCGC	4033	Expansion
Federal	Expansion of the Port Complex of Rio de Janeiro/Niterói	Capacity increase for CGC/NCGC	4044	Expansion
Federal	Expansion of the Port Complex of Salvador/Aratu	Capacity increase for CGC/NCGC	4030	Expansion
		Capacity increase for OMBS	4029	Expansion
		Capacity increase for ABS	4031	Expansion
		Capacity increase for BL	4089	Expansion
Federal	Expansion of the Port Complex of Vitória	Capacity increase for CGC/NCGC	4042	Expansion
Federal	Expansion of the Port Complex of São João da Barra/Açu	Capacity increase for CGC/NCGC	4060	Expansion
Federal	Implementation Port Terminals at Porto Central	Capacity implementation for CGC/NCGC	4064	Implementation - Greenfield



RAIL TRANSPORT AXIS No. 6

Axis name	Rail link along the Northeast coast
Axis code	F006
No. of structuring interventions	2

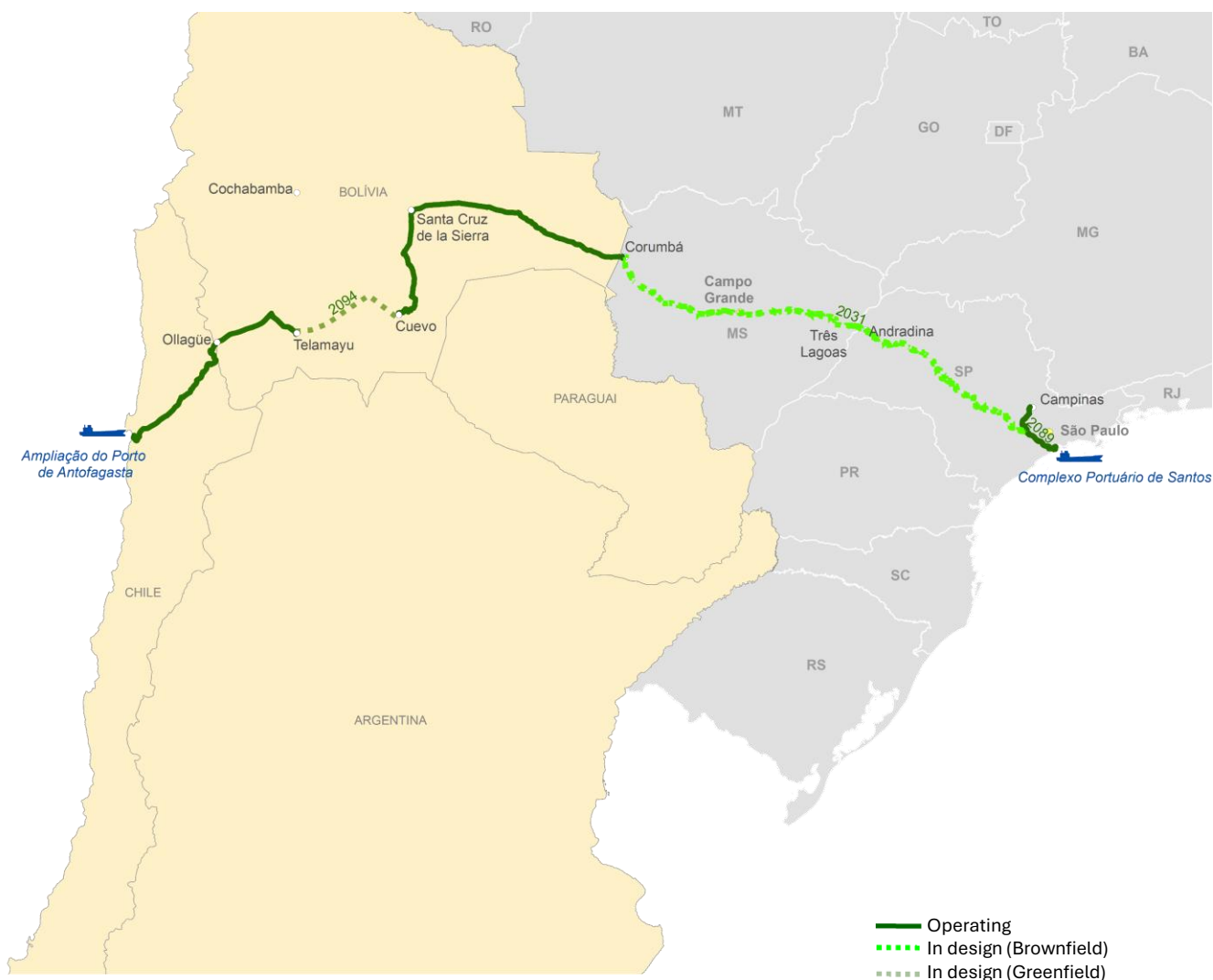


Rail projects				
Jurisdiction	Project	ID	Type of intervention	Gauge
Federal	Expansion of the Transnordestina along the Northeast Region coast (Capitals)	2095	Implementation - Brownfield	Broad
Federal	Implementation of the Natal/RN - Macau/RN Railway	2051	Implementation - Brownfield	To be defined



RAIL TRANSPORT AXIS No. 7

Axis name	Bioceanic corridor via Mato Grosso do Sul
Axis code	F007
No. of structuring interventions	5





RAIL TRANSPORT AXIS No. 7

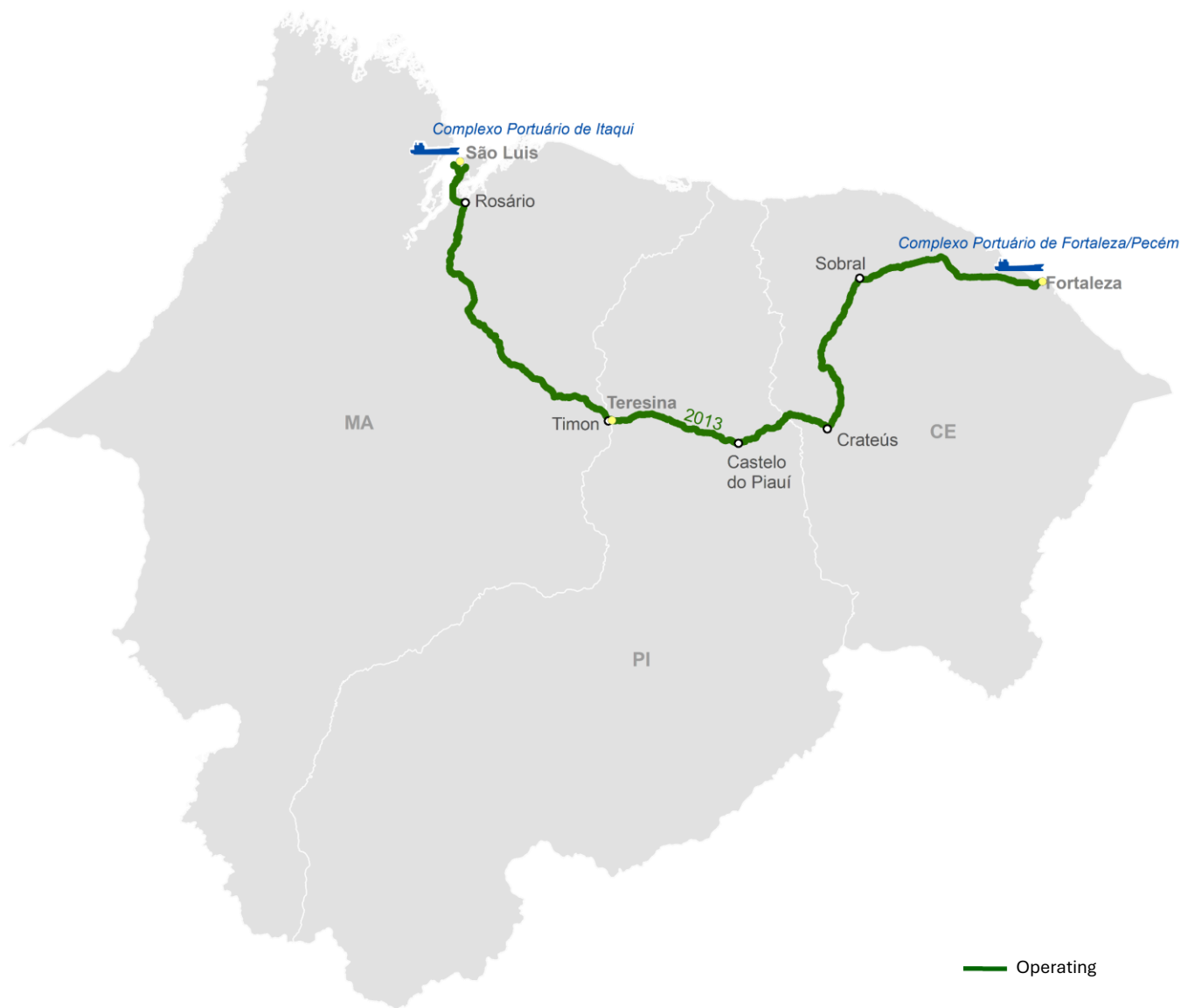
Rail projects				
Jurisdiction	Project	ID	Type of intervention	Gauge
Federal	Implementation of the Malha Oeste Railway (Corumbá/MS Mairinque/SP)	2031	Implementation – Brownfield	Broad
Federal	Malha Paulista Connection – Mixed-Gauge Section	2089	Expansion	Mixed
International	Implementation of the Capricorn Bioceanic Railway (Corumbá Exit – Bolivia and Chile Sections)	2094	Implementation – Greenfield	Broad

Port projects				
Jurisdiction		Project	ID	Type of intervention
Federal	Expansion of the Port Complex of Santos	Capacity increase for CGC/NCGC	4033	Expansion
		Capacity increase for ABS	4034	Expansion
		Capacity increase for OMBS	4036	Expansion
		Capacity increase for BL	4086	Expansion
		Capacity increase for MBS	4076	Expansion
International	Expansion of the Port of Antofagasta		4082	Expansion



RAIL TRANSPORT AXIS No. 8

Axis name	Rail link in the northern Northeast
Axis code	F008
No. of structuring interventions	3





RAIL TRANSPORT AXIS No. 8

Rail projects				
Jurisdiction	Project	ID	Type of intervention	Gauge
Federal	Expansion of Transnordestina (Fortaleza/CE - São Luís/MA)	2013	Maintenance	Metre

Port projects				
Jurisdiction	Project	ID	Type of intervention	
Federal	Expansion of the Port Complex of Itaqui	Capacity increase for CGC/NCGC	4016	Expansion
		Capacity increase for ABS	4017	Expansion
		Capacity increase for OMBS	4015	Expansion
		Capacity increase for BL	4087	Expansion
Federal	Expansion of the Port Complex of Fortaleza/Pecém	Capacity increase for CGC/NCGC	4007	Expansion
		Capacity increase for ABS	4008	Expansion
		Capacity increase for BL	4097	Expansion
		Capacity increase for OMBS	4111	Expansion



IMPLEMENTATION AND
EXPANSION PRIORITIES TO
2050:

WATERBORNE TRANSPORT AXES



INDEX OF WATERBORNE TRANSPORT AXES

Investment priorities for implementation and expansion: waterborne transport axes	
Axis ID	Axis name
A001	Tocantins Waterway
A002	Paraguay Waterway (MT-MS)
A003	Parnaíba Waterway (PI)
A004	South – Manaus cabotage



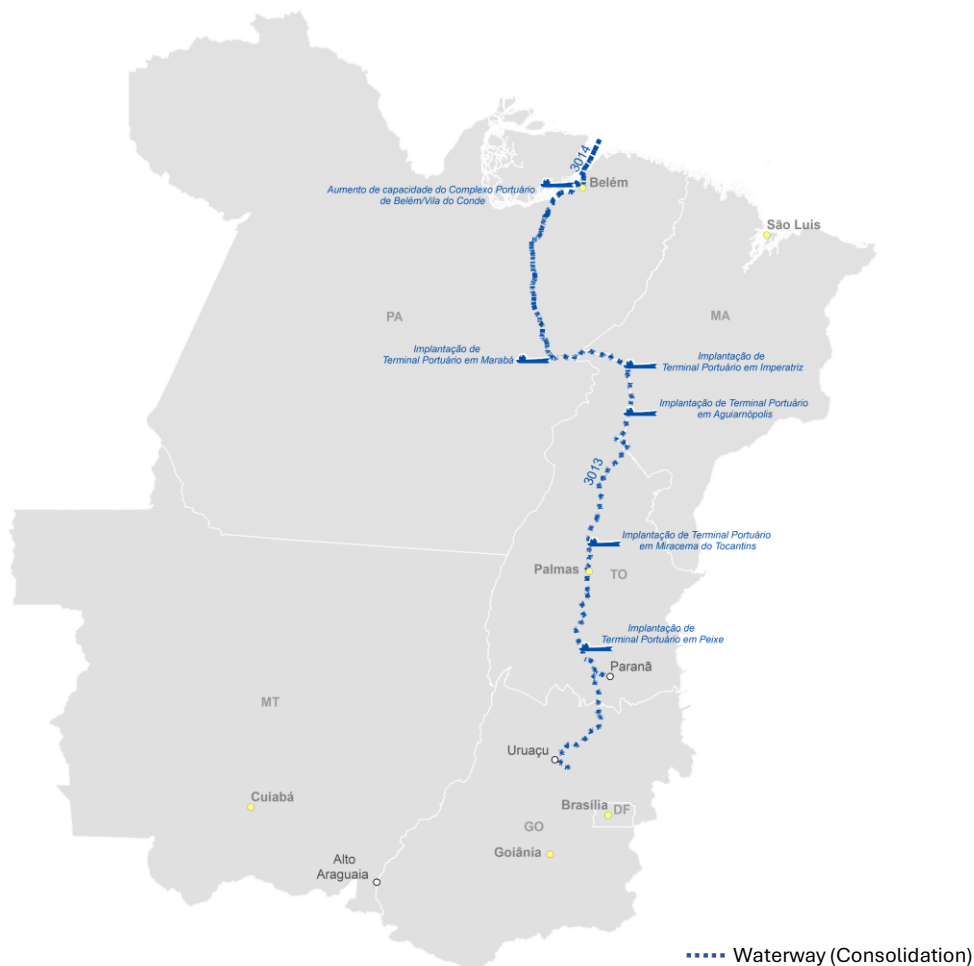
GLOSSARY: CARGO GROUPS

Code	Cargo Group
MBS	Mineral Bulk Solids
OMBS	Other Mineral Bulk Solids
BL	Bulk Liquids
ABS	Agricultural Bulk Solids
CGC	Containerizable General Cargo
NCGC	Non-Containerizable General Cargo



WATERBORNE TRANSPORT AXIS No. 1

Axis name	Tocantins Waterway
Axis code	A001
No. of structuring interventions	8



Waterway projects			
Jurisdiction	Project	ID	Type of intervention
Federal	Consolidation of the Tocantins Waterway (Marabá/PA Belém/PA)	3014	Consolidation
Federal	Consolidation of the Tocantins Waterway (Uruaçu/GO Marabá/PA)	3013	Consolidation



WATERBORNE TRANSPORT AXIS No. 1

Port projects				
Jurisdiction	Project	ID	Type of intervention	
Federal	Expansion of the Port Complex of Belém/Vila do Conde/PA	Capacity increase for CGC/NCGC	4004	Expansion
		Capacity increase for ABS	4005	Expansion
		Capacity increase for OMBS	4108	Expansion
		Capacity increase for BL	4094	Expansion
Federal	Implementations of Port Terminals at Aguiarnópolis/T O	Capacity implementation for CGC/NCGC	4170	Implementation - Greenfield
		Capacity implementation for BL	4171	Implementation - Greenfield
		Capacity implementation for ABS	4169	Implementation - Greenfield
		Capacity implementation for OMBS	4172	Implementation - Greenfield
Federal	Implementations of Port Terminals at Imperatriz/MA	Capacity implementation for CGC/NCGC	4166	Implementation - Greenfield
		Capacity implementation for BL	4167	Implementation - Greenfield
		Capacity implementation for ABS	4165	Implementation - Greenfield
		Capacity implementation for OMBS	4168	Implementation - Greenfield
Federal	Implementations of Port Terminals at Marabá/PA	Capacity implementation for CGC/NCGC	4162	Implementation - Greenfield
		Capacity implementation for BL	4163	Implementation - Greenfield
		Capacity implementation for ABS	4161	Implementation - Greenfield
		Capacity implementation for OMBS	4164	Implementation - Greenfield
Federal	Implementations of Port Terminals at Miracema do Tocantins/TO	Capacity implementation for CGC/NCGC	4174	Implementation - Greenfield
		Capacity implementation for BL	4175	Implementation - Greenfield
		Capacity implementation for ABS	4173	Implementation - Greenfield
		Capacity implementation for OMBS	4176	Implementation - Greenfield
Federal	Implementations of Port Terminals at Peixe/TO	Capacity implementation for CGC/NCGC	4178	Implementation - Greenfield
		Capacity implementation for BL	4179	Implementation - Greenfield
		Capacity implementation for ABS	4177	Implementation - Greenfield
		Capacity implementation for OMBS	4180	Implementation - Greenfield



WATERBORNE TRANSPORT AXIS No. 2

Axis name	Paraguay Waterway (MT-MS)
Axis code	A002
No. of structuring interventions	5





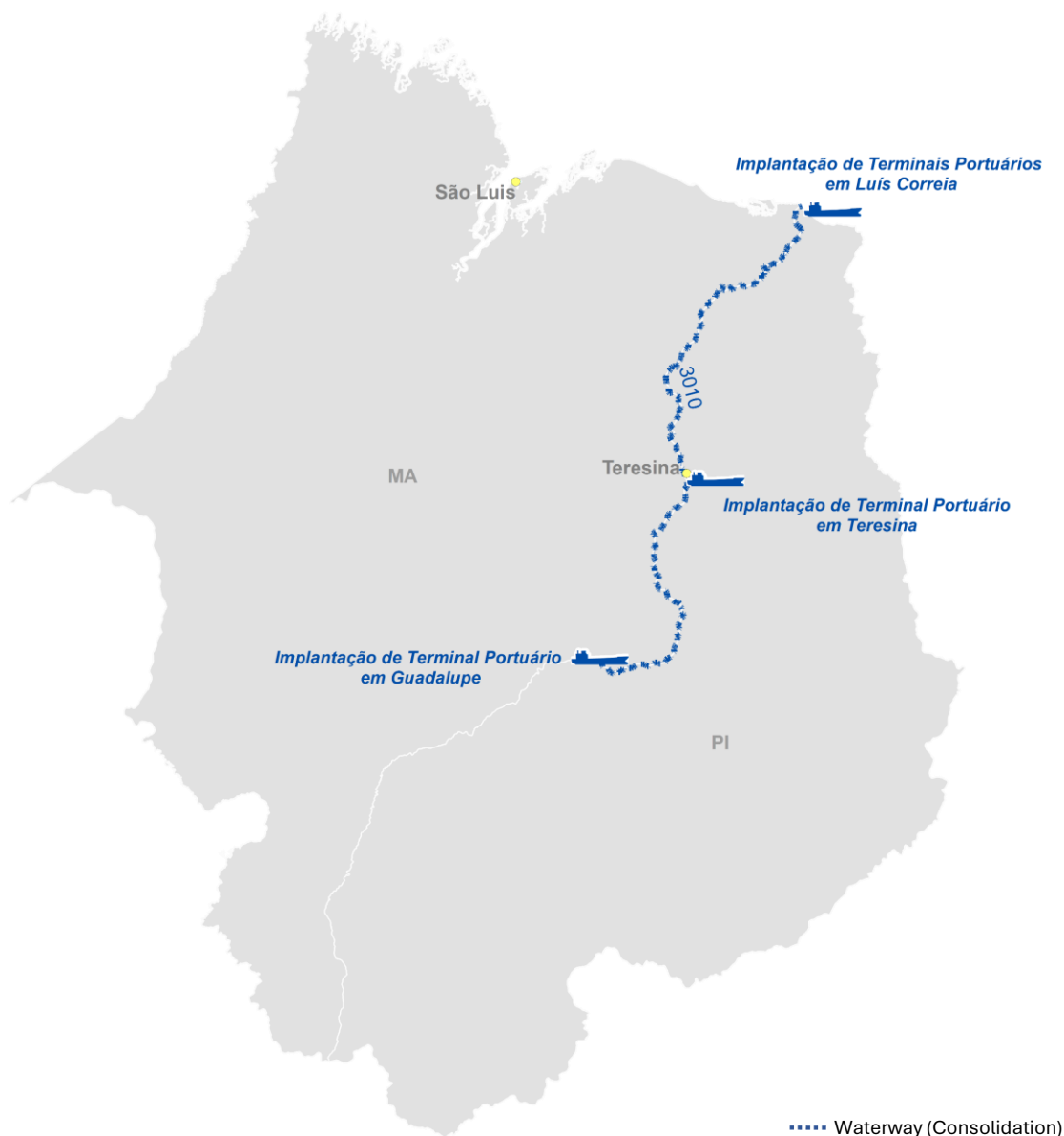
WATERBORNE TRANSPORT AXIS No. 2

Waterway projects				
Jurisdiction	Project		ID	Type of intervention
Federal	Improvement of the Hidrovia do Rio Paraguai (navegável)		3024	Improvement
Federal	Consolidation of the Paraguay River Waterway (Corumbá - Barra de Bugres)		3039	Consolidation
Port projects				
Jurisdiction	Project		ID	Type of intervention
Federal	Expansion of the Port Complex of Corumbá/MS	Capacity increase for MBS	4070	Expansion
		Capacity implementation for ABS	4104	Expansion
		Capacity implementation for CGC/NCGC	4071	Expansion
Federal	Expansion of the Port Complex of Porto Murtinho/MS	Capacity increase for ABS	4072	Expansion
		Capacity implementation for CGC/NCGC	4105	Expansion
		Capacity implementation for BL	4106	Expansion
		Capacity implementation for OMBS	4109	Expansion
Federal	Implementation of Port Terminal at Cáceres/MT	Capacity implementation for CGC/NCGC	4206	Implementation - Greenfield
		Capacity implementation for BL	4207	Implementation - Greenfield
		Capacity implementation for ABS	4205	Implementation - Greenfield
		Capacity implementation for OMBS	4208	Implementation - Greenfield



WATERBORNE TRANSPORT AXIS No. 3

Axis name	Parnaíba Waterway (PI)
Axis code	A003
No. of structuring interventions	4





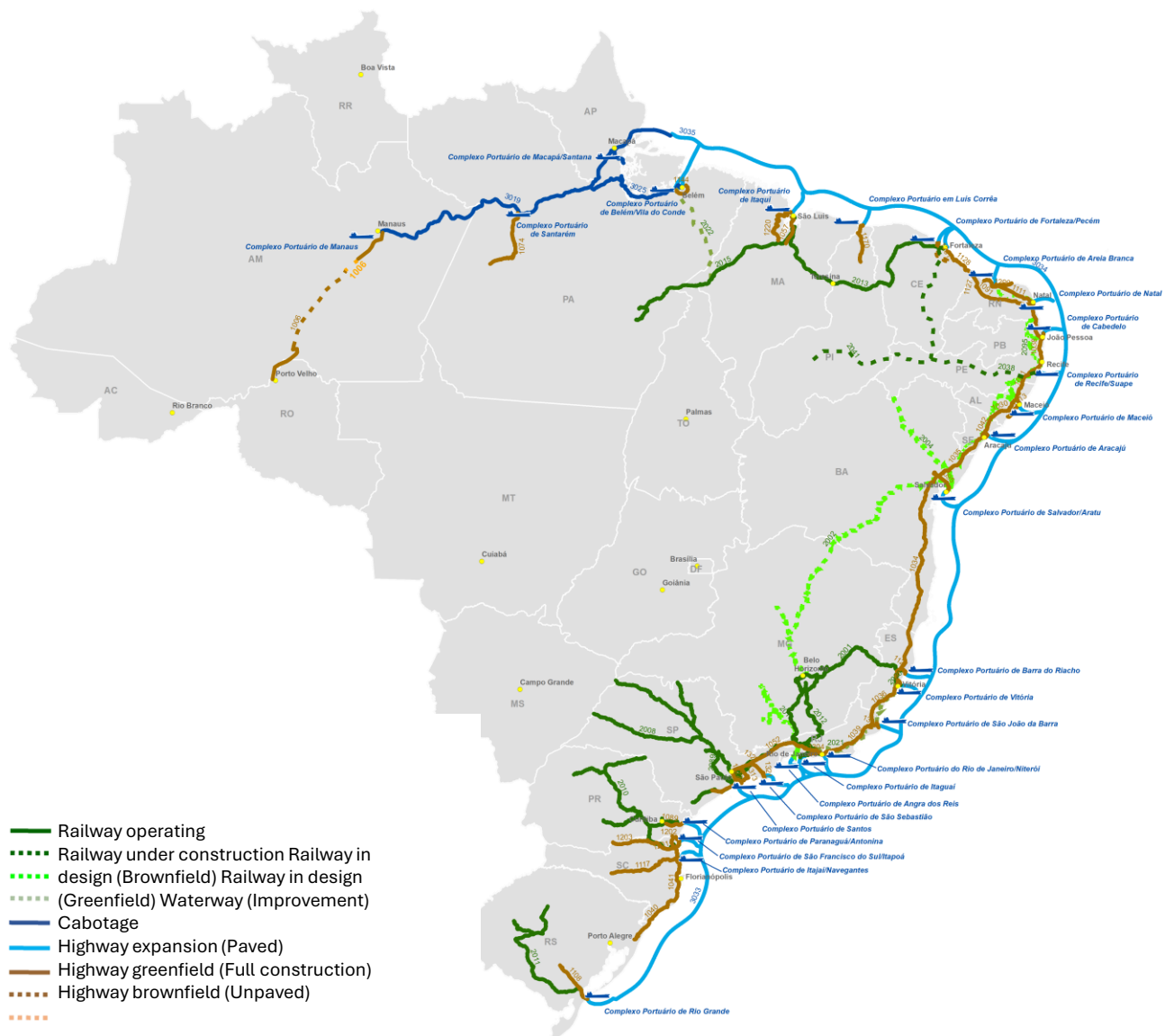
WATERBORNE TRANSPORT AXIS No. 3

Waterway projects				
Jurisdiction		Project	ID	Type of intervention
Federal	Consolidation of the Parnaíba River Waterway (PI)		3010	Consolidation
Port projects				
Jurisdiction	Project		ID	Type of intervention
Federal	Implementations of Port Terminals at Luis Correia/PI	Capacity implementation for CGC/NCGC	4074	Implementation - Greenfield
		Capacity implementation for BL	4098	Implementation - Greenfield
		Capacity implementation for ABS	4049	Implementation - Greenfield
		Capacity implementation for OMBS	4128	Implementation - Greenfield
Federal	Implementation of Port Terminal at Guadalupe/PI	Capacity implementation for CGC/NCGC	4182	Implementation - Greenfield
		Capacity implementation for BL	4183	Implementation - Greenfield
		Capacity implementation for ABS	4181	Implementation - Greenfield
		Capacity implementation for OMBS	4184	Implementation - Greenfield
Federal	Implementation of Port Terminal at Teresina/PI	Capacity implementation for CGC/NCGC	4186	Implementation - Greenfield
		Capacity implementation for BL	4187	Implementation - Greenfield
		Capacity implementation for ABS	4185	Implementation - Greenfield
		Capacity implementation for OMBS	4188	Implementation - Greenfield



WATERBORNE TRANSPORT AXIS No. 4

Axis name	South – Manaus cabotage
Axis code	A004
No. of structuring interventions	93





WATERBORNE TRANSPORT AXIS No. 4

Waterway projects				
Jurisdiction		Project	ID	Type of intervention
Federal	Improvement of the Amazon River Waterway		3019	Improvement
Federal	Improvement of the Amazon River Waterway - Estreito de Breves (Almeirim/PA - Belém/PA)		3025	Improvement
Port projects				
Jurisdiction	Project		ID	Type of intervention
Federal	Expansion of the Port Complex of Santos	Capacity increase for BL	4086	Expansion
		Capacity increase for CGC/NCGC	4033	Expansion
Federal	Expansion of the Port Complex of São Francisco do Sul/Itapoá	Capacity increase for BL	4125	Expansion
		Capacity increase for CGC/NCGC	4037	Expansion
Federal	Expansion of the Port Complex of São João da Barra/Açu	Capacity increase for BL	4099	Expansion
		Capacity increase for CGC/NCGC	4060	Expansion
Federal	Expansion of the Port Complex of São Sebastião	Capacity increase for BL	4123	Expansion
		Capacity increase for CGC/NCGC	4041	Expansion
Federal	Expansion of the Port Complex of Vitória	Capacity increase for CGC/NCGC	4042	Expansion
		Capacity increase for BL	4270	Expansion
Federal	Expansion do Complexo Portuário do Rio de Janeiro/Niterói	Capacity increase for BL	4126	Expansion
		Capacity increase for CGC/NCGC	4044	Expansion
Federal	Expansion of the Port Complex of Angra dos Reis	Capacity increase for BL	4262	Expansion
Federal	Implementation of the Port of Aracaju/Barra dos Coqueiros	Capacity implementation for CGC/NCGC	4054	Expansion
Federal	Expansion of the Port Complex of Areia Branca/Macau	Capacity increase for BL	4001	Expansion
		Capacity increase for OMBS	4068	Expansion
Federal	Expansion of the Port Complex of Barra do Riacho	Capacity increase for CGC/NCGC	4002	Expansion
		Capacity increase for BL	4107	Expansion



WATERBORNE TRANSPORT AXIS No. 4

Port projects				
Jurisdiction		Project	ID	Type of intervention
Federal	Expansion of the Port Complex of Belém/Vila do Conde	Capacity increase for CGC/NCGC	4004	Expansion
		Capacity increase for BL	4094	Expansion
Federal	Expansion of the Port Complex of Cabedelo	Capacity implementation for CGC/NCGC	4006	Expansion
		Capacity increase for BL	4110	Expansion
Federal	Expansion of the Port Complex of Fortaleza/Pecém	Capacity increase for BL	4097	Expansion
		Capacity increase for CGC/NCGC	4007	Expansion
Federal	Expansion of the Port Complex of Itaguaí	Capacity implementation for BL	4112	Expansion
		Capacity increase for CGC/NCGC	4011	Expansion
Federal	Expansion of the Port Complex of Itajaí/Navegantes	Capacity increase for CGC/NCGC	4013	Expansion
Federal	Expansion of the Port Complex of Itaquí	Capacity increase for BL	4087	Expansion
		Capacity increase for CGC/NCGC	4016	Expansion
Federal	Expansion of the Port Complex of Macapá/Santana	Capacity increase for CGC/NCGC	4032	Expansion
Federal	Expansion of the Port Complex of Maceió	Capacity implementation for CGC/NCGC	4018	Expansion
Federal	Expansion of the Port Complex of Manaus	Capacity increase for BL	4092	Expansion
		Capacity increase for CGC/NCGC	4020	Expansion
Federal	Expansion of the Port Complex of Natal	Capacity increase for CGC/NCGC	4021	Expansion
Federal	Expansion of the Port Complex of Paranaguá/Antonina	Capacity increase for BL	4091	Expansion
		Capacity increase for CGC/NCGC	4022	Expansion
Federal	Expansion of the Port Complex of Recife/Suape	Capacity increase for CGC/NCGC	4026	Expansion
		Capacity increase for BL	4088	Expansion
Federal	Expansion of the Port Complex of Rio Grande	Capacity increase for BL	4090	Expansion
		Capacity increase for CGC/NCGC	4027	Expansion
Federal	Expansion of the Port Complex of Salvador/Aratu	Capacity increase for BL	4089	Expansion
		Capacity increase for CGC/NCGC	4030	Expansion
Federal	Expansion of the Port Complex of Santarém-PA	Capacity increase for CGC/NCGC	4122	Expansion
		Capacity increase for BL	4093	Expansion
Federal	Implementations of Port Terminals at Luis Correia	Capacity implementation for BL	4098	Implementation - Greenfield
		Capacity implementation for CGC/NCGC	4074	Implementation - Greenfield



WATERBORNE TRANSPORT AXIS No. 4

Rail projects				
Jurisdiction	Project	ID	Type of intervention	Gauge
Federal	Expansion of EFVM	2001	Expansion	Metre
Federal	Expansion of FCA (Belo Horizonte/MG - Salvador/BA)	2002	Implementation - Brownfield	Metre
Federal	Expansion of FCA (Salvador/BA - Petrolina/PE)	2004	Expansion	Metre
Federal	Expansion of Malha Paulista	2008	Expansion	Broad
Federal	Expansion of Malha Sul (Corredor PR/SC)	2010	Expansion	Metre
Federal	Expansion of Malha Sul (Malha Gaúcha)	2011	Expansion	Metre
Federal	Expansion of MRS	2012	Expansion	Broad
Federal	Expansion of Transnordestina (Fortaleza/CE - São Luís/MA)	2013	Maintenance	Metre
Federal	EFC	2015	Maintenance	Broad
Federal	Expansion of the Minas-Rio Railway	2016	Implementation - Brownfield	Metre
Federal	Implementation of EF-118 (Santa Leopoldina/ES - São João da Barra/RJ)	2020	Implementation - Greenfield	Metre (projetada)
Federal	Implementation of EF-118 (São João da Barra/RJ - Nova Iguaçu/RJ)	2021	Implementation - Greenfield	To be defined
Federal	Implementation of the Railway Açailândia/MA - Barcarena/PA	2022	Implementation - Greenfield	Broad
Federal	Implementation of the Railway Salgueiro/PE - Suape/PE	2038	Implementation - Greenfield	Broad
Federal	Implementation of the Transnordestina Railway (Eliseu Martins/PI - Port of Pecém/CE)	2041	Implementation - Greenfield	Broad
Federal	Implementation of the Natal/RN - Macau/RN Railway	2051	Implementation - Greenfield	To be defined
Federal	Malha Paulista Connection – Mixed-Gauge Section	2089	Expansion	Mixed
Federal	MRS Connection - Port of Santos	2091	Expansion	Broad
Federal	Implementation of Transnordestina Capitais	2095	Implementation - Brownfield	Broad



WATERBORNE TRANSPORT AXIS No. 4

Road projects				
Jurisdiction		Project	ID	Type of intervention
Federal	Paving of BR-319/AM/RO (Porto Velho/RO -Manaus/AM)		1006	Implementation - Brownfield
Federal	Upgrade of BR-349/AL (Coruripe/AL - Maceió/AL)		1013	Expansion
Federal	Upgrade of BR-101	Upgrade of BR-101/BA/ES (BR-324/BA -Vitória/ES)	1034	Expansion
		Upgrade of BR-101/BA/SE (BR-324/BA -Aracaju/SE)	1035	Expansion
		Upgrade of BR-101/ES/RJ (BR-262/ES - Campos dos Goytacazes/RJ)	1036	Expansion
		Upgrade of BR-101/RJ (Campos dos Goytacazes/RJ - Rio de Janeiro/RJ)	1039	Expansion
		Upgrade of BR-101/AL (Div. AL/SE - Pilar/AL)	1030	Expansion
		Upgrade of BR-101/AL/PE (Pilar/AL - Recife/PE)	1031	Expansion
		Upgrade of BR-101/PE/PB (Recife/PE - João Pessoa/PB)	1038	Expansion
		Upgrade of BR-101/PB/RN (João Pessoa/PB - Natal/RN)	1037	Expansion
		Upgrade of BR-101/RS/SC (Osorio/RS -Imbituba/SC)	1040	Expansion
		Upgrade of BR-101/SC (Div. PR/SC - Imbituba/SC)	1041	Expansion
		Upgrade of BR-101/SE (Aracaju/SE -Div. SE/AL)	1042	Expansion
		Upgrade of BR-101/RJ (Acesso ao Porto do Rio de Janeiro/RJ)	1304	Expansion
Federal	Upgrade of BR-135/MA (Miranda do Norte/MA - São Luís/MA)		1057	Expansion
Federal	Upgrade of BR-230/163/PA (BR-163/PA - Santarém/PA)		1074	Expansion
State	Upgrade of CE-040 (Aracati/CE - Fortaleza/CE)		1128	Expansion
Federal	Upgrade of BR-304	Upgrade of BR-304/RN/CE (Mossoró/RN - Aracati/CE)	1127	Expansion
		Upgrade of BR-304/RN (Natal/RN -Mossoró/RN)	1091	Expansion
Federal	Upgrade of BR-116/RJ/SP (Rio de Janeiro/RJ - São Paulo/SP)		1052	Expansion
Federal	Upgrade of BR-277/PR (Curitiba/PR - Paranaguá/PR)		1089	Expansion



WATERBORNE TRANSPORT AXIS No. 4

Road projects			
Jurisdiction	Project	ID	Type of intervention
Federal	Upgrade of BR-324/BA (Salvador/BA - Feira de Santana/BA)	1095	Expansion
Federal	Upgrade of BR-392/BR-471 (Santana da Boa Vista/RS - Rio Grande/RS)	1108	Expansion
Federal	Upgrade of BR-406/RN (Natal/RN - Macau/RN)	1111	Expansion
Federal	Upgrade of BR-470/SC (Navegantes/SC - Campos Novos/SC)	1117	Expansion
State	Upgrade of ES-445/ES-010 (BR-101/ES - Barra do Riacho/Aracruz/ES)	1121	Expansion
State	Upgrade of PA-483/PA-900/PA-150 (Barcarena/PA - Ananindeua/PA)	1144	Expansion
Federal	Upgrade of BR-343/PI (Piripiri/PI - Luís Correia/PI)	1170	Expansion
State	Upgrade of RJ-240 (BR-356/RJ - Porto do Açú/RJ)	1180	Expansion
Federal	Upgrade of BR-280/SC (Jaraguá do Sul/SC - São Francisco do Sul/SC)	1201	Expansion
State	Upgrade of SC-417/SC-416 (Guarua/SC - Itapoá/SC)	1202	Expansion
Federal	Upgrade of BR-280/SC (Jaraguá do Sul/SC - BR-153/SC)	1203	Expansion
State	Upgrade of MA-014/MA-212/MA-106 (BR-222/MA - Alcântara/MA)	1220	Expansion
State	Upgrade of SE-240/SE-100 (BR-101/SE - Barra dos Coqueiros/SE)	1230	Expansion
State	Implementation of the Fortaleza Metropolitan Road Arc - CE	1281	Implementation - Greenfield
State	Upgrade of RN-221 (Areia Branca/RN - Macau/RN - São Bento do Norte/RN)	1290	Expansion
State	Implementation of RJ-244 (Access to Port of Açú/RJ)	1303	Implementation - Greenfield
State	Implementation of road section (Complementary access to Port of Açú/RJ)	1305	Implementation - Greenfield
State	Upgrade of do Lote Litoral Paulista (Miracatu/SP - Praia Grande/SP - Santos/SP - Bertioga/SP - Mogi das Cruzes/SP - Arujá/SP)	1313	Expansion
Federal	Upgrade of BR-104/AL (BR-101/AL - Maceió/AL)	1314	Expansion
Federal	Upgrade of BR-230/PB (BR-101/PB - Cabedelo/PB)	1315	Expansion
State	Upgrade of PE-009/PE-036 (BR-101/PE - Ipojuca/PE)	1319	Expansion
State	Upgrade of SP-099 (São José dos Campos/SP - Caraguatatuba/SP)	1320	Expansion
Federal	Upgrade of BR-101/SP (Caraguatatuba/SP - São Sebastião/SP)	1321	Expansion
State	Upgrade of SP-150 (São Paulo/SP - Santos/SP)	1322	Expansion
State	Upgrade of SP-055/SP-248 (Cubatão/SP - Guarujá/SP)	1323	Expansion

IMPLEMENTATION AND
EXPANSION PRIORITIES TO
2050:

INTERMODAL TRANSPORT AXES





INDEX OF INTERMODAL TRANSPORT AXES

Investment priorities for implementation expansion: intermodal transport axes	
Axis ID	Axis name
I001	Rail-waterway connection in the Northern Arc (Arco Norte)
I002	São Francisco Waterway
I003	Road-waterway connection in the Northern Arc (Arco Norte)
I004	Amazonian Integration
I005	Rail Link Between São Paulo and the Southern Region
I006	Waterway-rail connection from the Center-West to São Paulo
I007	Passenger Transportation in the São Paulo Macrometropolis



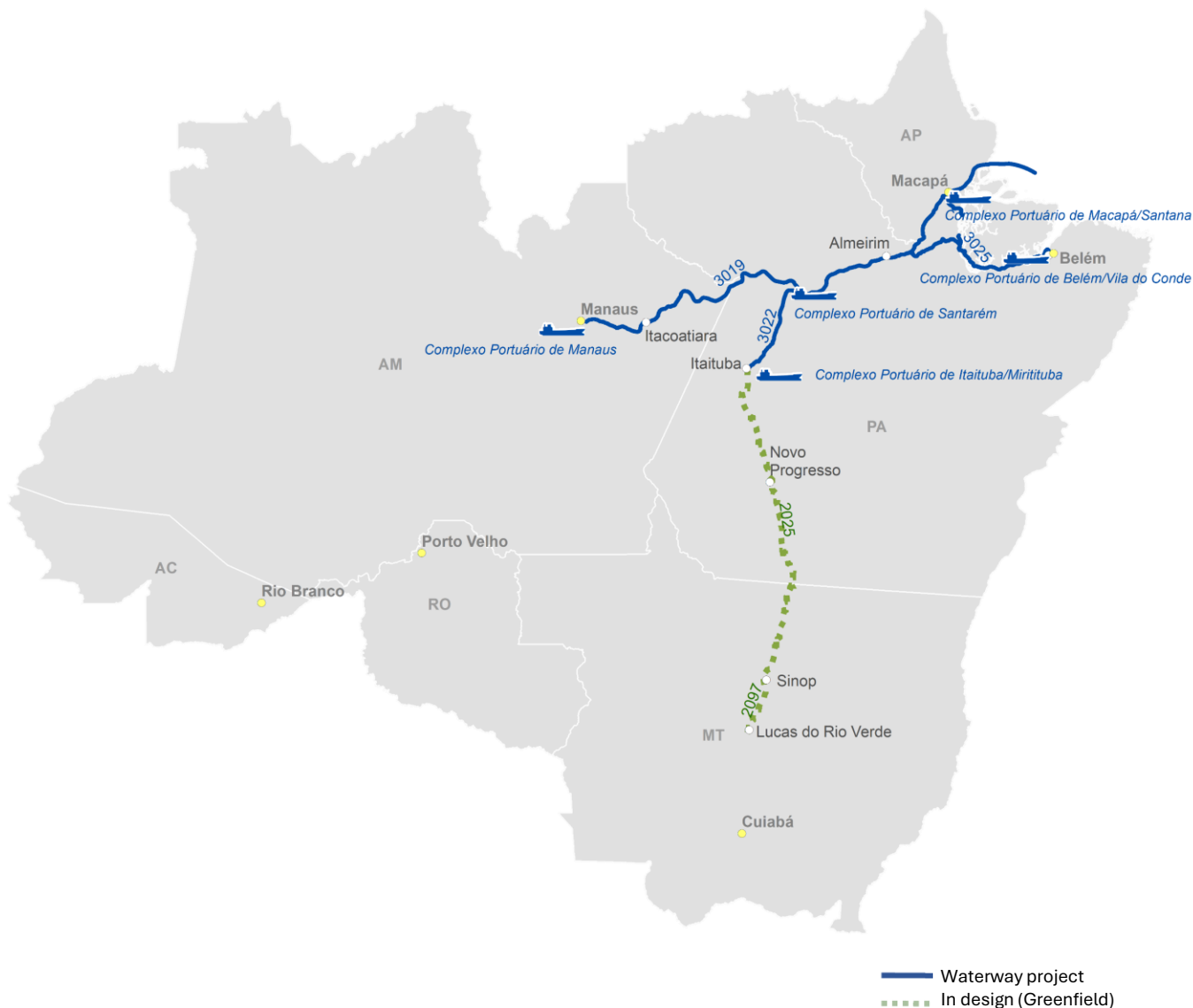
GLOSSARY: CARGO GROUPS

Code	Cargo Group
MBS	Mineral Bulk Solids
OMBS	Other Mineral Bulk Solids
BL	Bulk Liquids
ABS	Agricultural Bulk Solids
CGC	Containerizable General Cargo
NCGC	Non-Containerizable General Cargo



INTERMODAL TRANSPORT AXIS No. 1

Axis name	Rail-waterway connection in the Northern Arc (Arco Norte)
Axis code	I001
No. of structuring interventions	10





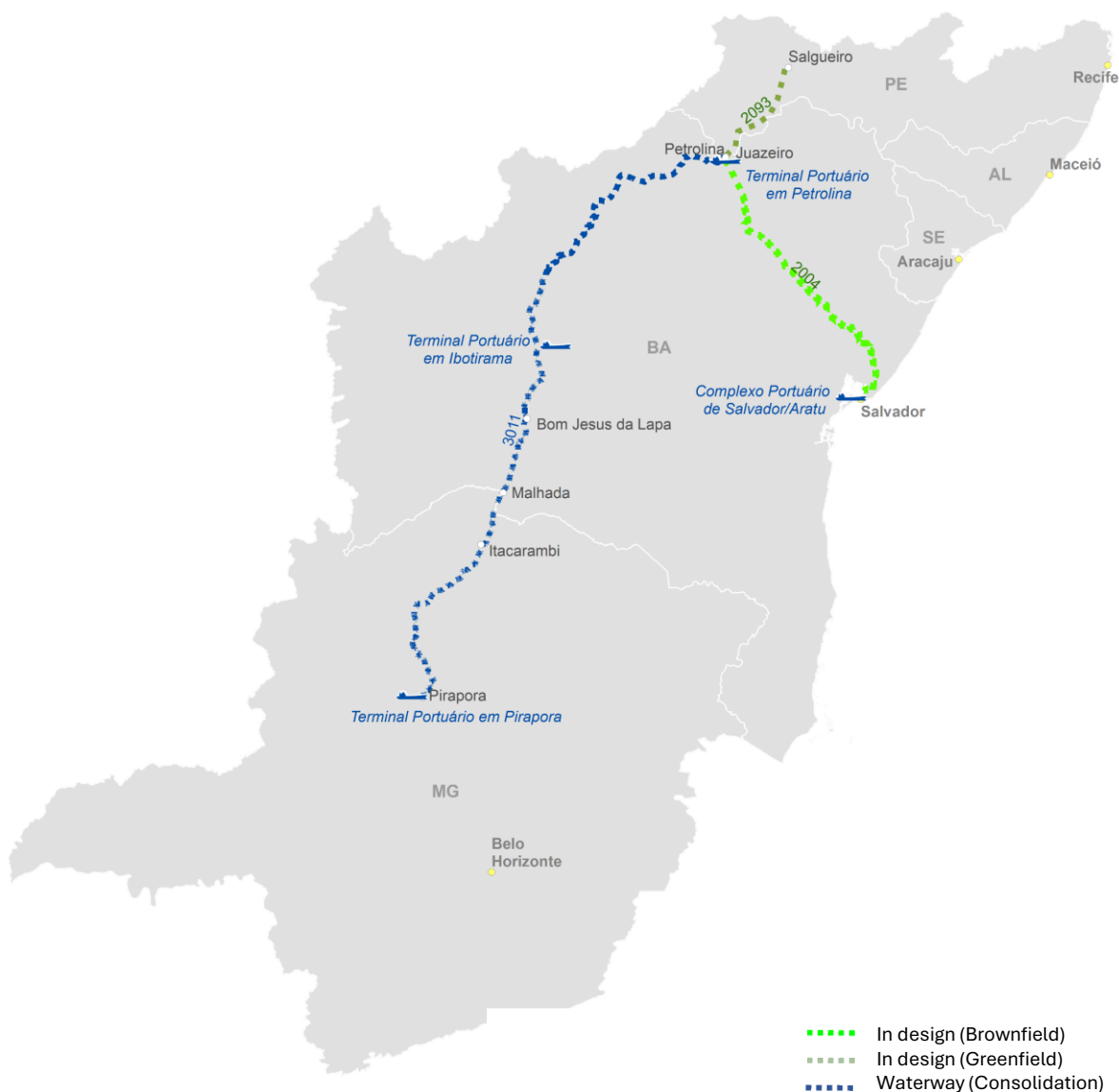
INTERMODAL TRANSPORT AXIS No. 1

Rail projects				
Jurisdiction	Project	ID	Type of intervention	Gauge
Federal	Implementation of Ferrogrão (Sinop/MT - Itaituba/PA)	2025	Implementation - Greenfield	Broad
Federal	Implementation of Extensão Ferrogrão (Sinop/MT - Lucas do Rio Verde/MT)	2097	Implementation - Greenfield	Broad
Waterway projects				
Jurisdiction	Project	ID	Type of intervention	
Federal	Improvement of the Amazon River Waterway	3019	Improvement	
Federal	Improvement of the Amazon River Waterway - Estreito de Breves (Almeirim/PA - Belém/PA)	3025	Improvement	
Federal	Improvement of the Hidrovia do Rio Tapajós (Itaituba/PA - Santarém/PA)	3022	Improvement	
Port projects				
Jurisdiction	Project	ID	Type of intervention	
Federal	Expansion of the Port Complex of Macapá/Santana-AP	Capacity increase for CGC/NCGC	4032	Expansion
Federal	Expansion of the Port Complex of Santarém-PA	Capacity increase for ABS	4078	Expansion
		Capacity increase for BL	4093	Expansion
		Capacity increase for OMBS	4121	Expansion
		Capacity increase for CGC/NCGC	4122	Expansion
Federal	Expansion of the Port Complex of Itaituba/Miritituba-PA	Capacity implementation for CGC/NCGC	4056	Expansion
		Capacity increase for OMBS	4264	Expansion
		Capacity increase for ABS	4057	Expansion
		Capacity increase for BL	4096	Expansion
Federal	Expansion of the Port Complex of Manaus-AM	Capacity increase for CGC/NCGC	4020	Expansion
		Capacity increase for BL	4092	Expansion
Federal	Expansion of the Port Complex of Belém/Vila do Conde-PA	Capacity increase for CGC/NCGC	4004	Expansion
		Capacity increase for BL	4094	Expansion
		Capacity increase for OMBS	4108	Expansion
		Capacity increase for ABS	4005	Expansion



INTERMODAL TRANSPORT AXIS No. 2

Axis name	São Francisco Waterway
Axis code	I002
No. of structuring interventions	7





INTERMODAL TRANSPORT AXIS No. 2

Rail projects

Jurisdiction	Project	ID	Type of intervention	Gauge
Federal	Expansion of FCA (Salvador/BA -Petrolina/PE)	2004	Implementation - Brownfield	Metre
Federal	Implementation of the rail connection FCA – Transnordestina (Petrolina/PE-Salgueiro/PE)	2093	Implementation - Greenfield	Broad

Waterway projects

Jurisdiction	Project	ID	Type of intervention
Federal	Consolidation of the São Francisco Waterway (Pirapora/ MG Juazeiro/BA/Petrolina/PE)	3011	Consolidation

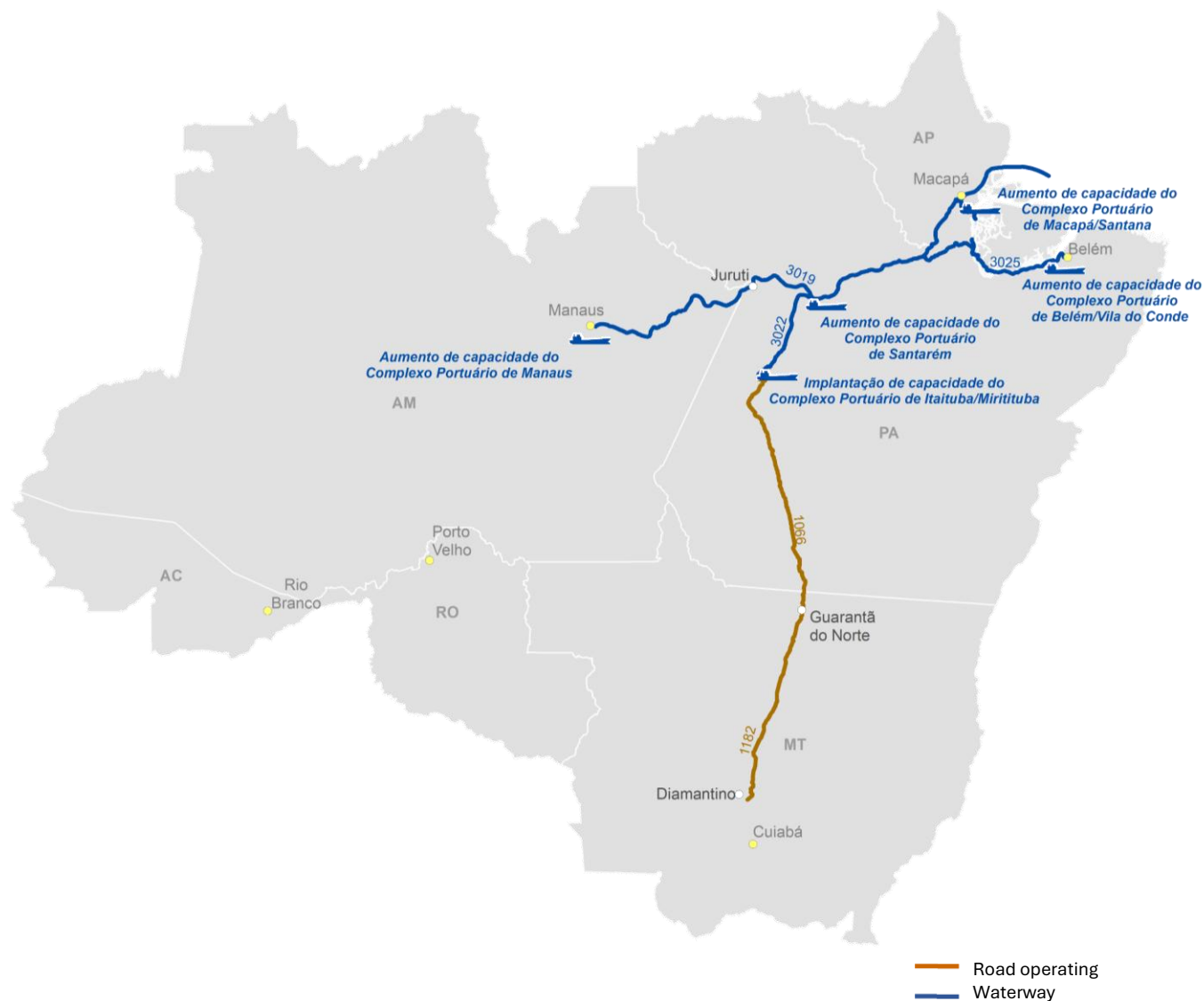
Port projects

Port projects				
Jurisdiction		Project	ID	Type of intervention
Federal	Expansion of the Port Complex of Salvador/Aratu-BA	Capacity increase for OMBS	4029	Expansion
		Capacity increase for CGC/NCGC	4030	Expansion
		Capacity increase for BL	4089	Expansion
		Capacity increase for ABS	4031	Expansion
Federal	Implementation of Pirapora-MG	Implementation for CGC/NCGC	4145	Implementation - Greenfield
		Implementation for ABS	4146	Implementation - Greenfield
		Implementation for BL	4273	Implementation - Greenfield
Federal	Implementation of Petrolina-PE	Implementation for CGC/NCGC	4147	Implementation - Greenfield
		Implementation for ABS	4148	Implementation - Greenfield
		Implementation for BL	4275	Implementation - Greenfield
Federal	Implementation of Ibotirama-BA	Implementation for ABS	4189	Implementation - Greenfield
		Implementation for CGC/NCGC	4190	Implementation - Greenfield
		Implementation for BL	4191	Implementation - Greenfield



INTERMODAL TRANSPORT AXIS No. 3

Axis name	Road-waterway connection in the Northern Arc (Arco Norte)
Axis code	I003
No. of structuring interventions	10





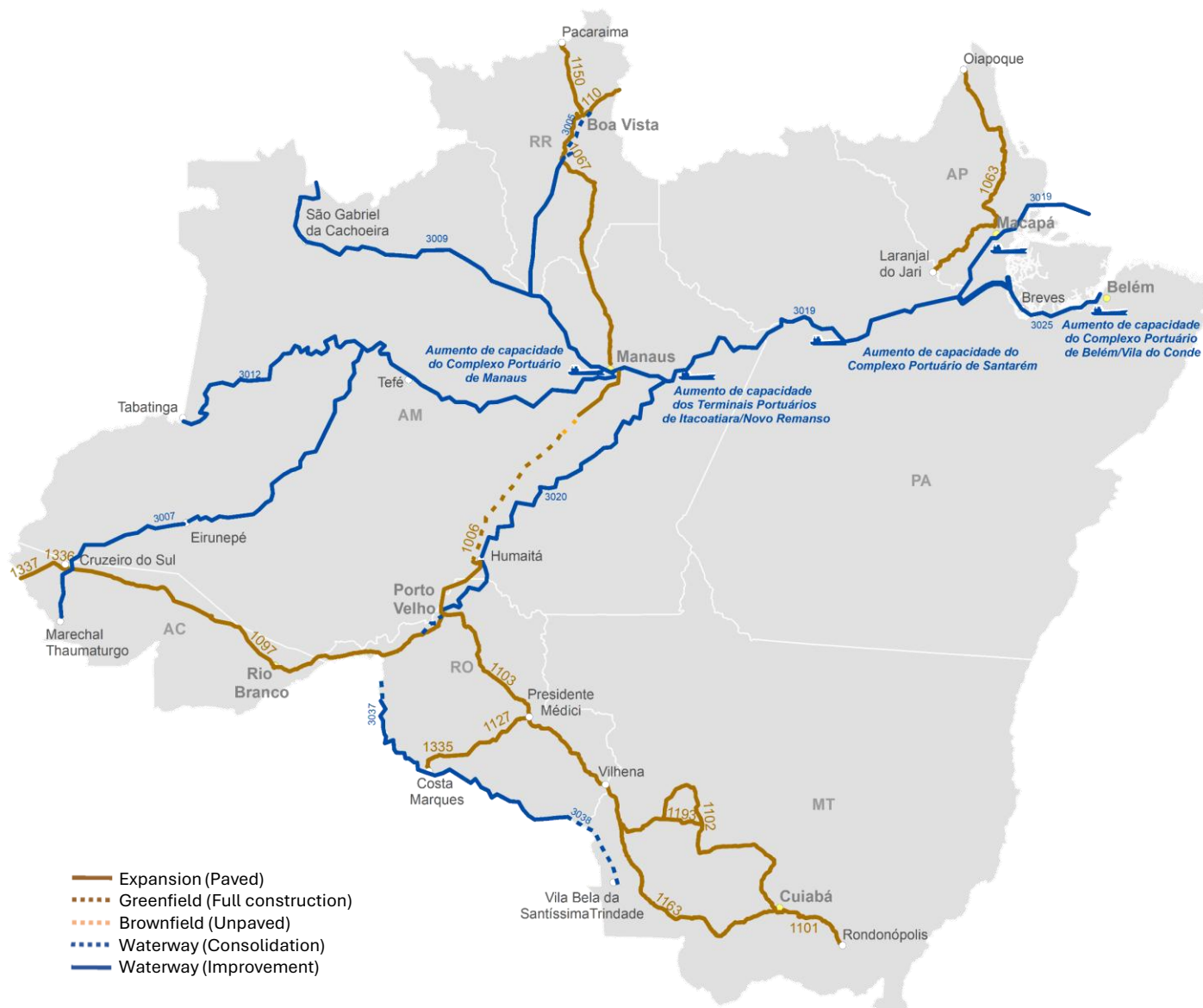
INTERMODAL TRANSPORT AXIS No. 3

Road projects				
Jurisdiction	Project	ID	Type of intervention	
Federal	Expansion of BR-163/BR-230/MT/PA (Sinop/MT - Itaituba/PA)	1066	Expansion	
Federal	Expansion of BR-163/MT (Sinop/MT - BR-364/MT)	1182	Expansion	
Waterway projects				
Jurisdiction	Project	ID	Type of intervention	
Federal	Improvement of the Hidrovia do Rio Amazonas	3019	Improvement	
Federal	Improvement of the Hidrovia do Rio Amazonas - Estreito de Breves (Almeirim/PA - Belém/PA)	3025	Improvement	
Federal	Improvement of the Hidrovia do Rio Tapajós (Itaituba/PA - Santarém/PA)	3022	Improvement	
Port projects				
Jurisdiction	Project	ID	Type of intervention	
Federal	Expansion of the Port Complex of Belém/Vila do Conde-PA	Capacity increase for CGC/NCGC	4004	Expansion
		Capacity increase for BL	4094	Expansion
		Capacity increase for ABS	4005	Expansion
		Capacity increase for OMBS	4108	Expansion
Federal	Expansion of the Port Complex of Itaituba/Miritituba-PA	Capacity increase for BL	4096	Expansion
		Capacity increase for ABS	4057	Expansion
		Capacity implementation for CGC/NCGC	4056	Expansion
		Capacity increase for OMBS	4264	Expansion
Federal	Expansion of the Port Complex of Macapá/Santana-AP	Capacity increase for CGC/NCGC	4032	Expansion
Federal	Expansion of the Port Complex of Manaus-AM	Capacity increase for CGC/NCGC	4020	Expansion
		Capacity increase for BL	4092	Expansion
Federal	Expansion of the Port Complex of Santarém-PA	Capacity increase for CGC/NCGC	4122	Expansion
		Capacity increase for BL	4093	Expansion
		Capacity increase for OMBS	4121	Expansion
		Capacity increase for ABS	4078	Expansion



INTERMODAL TRANSPORT AXIS No. 4

Axis name	Amazon integration
Axis code	I004
No. of structuring interventions	30





INTERMODAL TRANSPORT AXIS No. 4

Waterway projects				
Jurisdiction		Project	ID	Type of intervention
Federal	Improvement of the Hidrovia do Rio Amazonas		3019	Improvement
Federal	Improvement of the Amazon River Waterway - Estreito de Breves (Almeirim/PA - Belém/PA)		3025	Improvement
Federal	Improvement of the Madeira River Waterway		3020	Improvement
Federal	Improvement of the Juruá River Waterway		3007	Improvement
Federal	Improvement of the Solimões Waterway		3012	Improvement
Federal	Improvement of the Negro River Waterway		3009	Improvement
Federal	Improvement of the Branco River Waterway		3005	Improvement
Federal	Improvement of the Mamoré River		3037	Improvement
Federal	Improvement of the Guaporé River		3038	Improvement
Road projects				
Jurisdiction		Project	ID	Type of intervention
Federal	Expansion of BR-070/BR-174/MT (Cuiabá/MT - BR-364/MT)		1163	Expansion
Federal	Paving of BR-319/AM/RO (Porto Velho/RO -Manaus/AM)		1006	Implementation - Brownfield
Federal	Expansion/Upgrade/Implementation BR-364	Expansion of BR-364/AC/RO (Cruzeiro do Sul/AC - Porto Velho/RO)	1097	Expansion
		Expansion of BR-364/MT (Cuiabá/MT - Rondonópolis/MT)	1101	Expansion
		Expansion of BR-364/MT/RO (Cuiabá/MT - Vilhena/RO)	1102	Expansion
		Upgrade of BR-364 (Rodrigues Alves/AC - Mâncio Lima/AC)	1336	Expansion
		Upgrade of BR-364 (Fronteira Peru)	1337	Implantação Greenfield
		Expansion of BR-364/RO (Vilhena/RO - Porto Velho/RO)	1103	Expansion
State	Expansion of MT-235 (Campo Novo do Parecis/MT - Sapezal/MT)		1193	Expansion
Federal		Upgrade of BR-174/AM/RR (Manaus/AM -Boa Vista/RR)	1067	Expansion
Federal	Upgrade of BR-174	Upgrade of BR-174/RR (Boa Vista/RR - Paracaima/RR)	1150	Expansion
Federal		Upgrade of BR-401/RR (Boa Vista/RR - Fronteira Guiana/Bonfim-Lethem)	1110	Expansion
Federal	Upgrade of BR-429	Upgrade of BR-429/RO (BR-364/RO - São Francisco do Guaporé/RO)	1227	Expansion
Federal		Upgrade of BR-429/RO (São Francisco do Guaporé/RO - Costa Marques/RO)	1335	Expansion
Federal	Upgrade of BR-156 (Laranjal do Jari/AP - Oiapoque/AP)		1063	Expansion



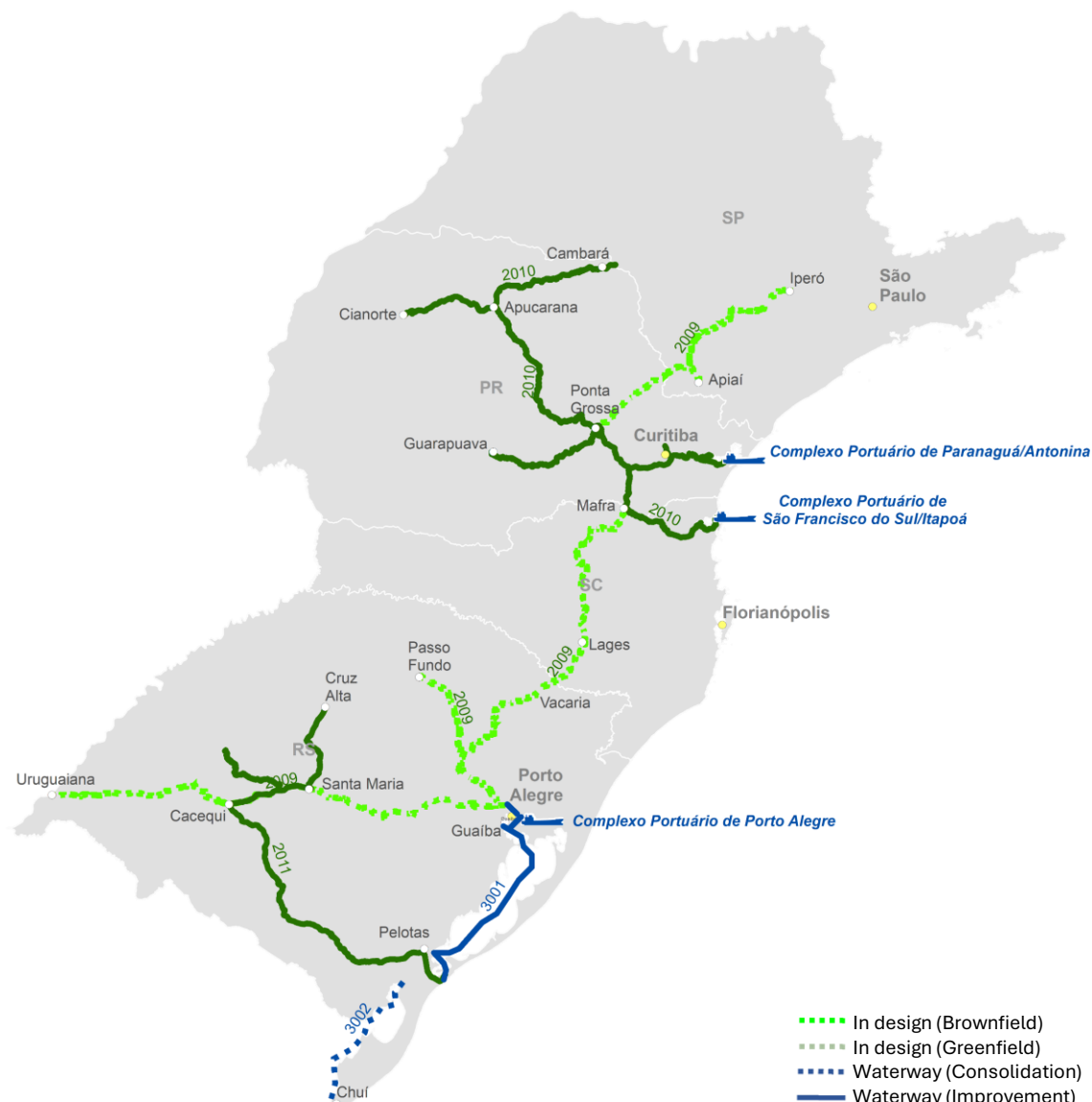
INTERMODAL TRANSPORT AXIS No. 4

Port projects				
Jurisdiction		Project	ID	Type of intervention
Federal	Expansion of the Port Complex of Belém/Vila do Conde-PA	Capacity increase for CGC/NCGC	4004	Expansion
		Capacity increase for BL	4094	Expansion
		Capacity increase for ABS	4005	Expansion
		Capacity increase for OMBS	4108	Expansion
Federal	Expansion of the Port Complex of Macapá/Santana-AP	Capacity increase for CGC/NCGC	4032	Expansion
Federal	Expansion of the Port Complex of Manaus-AM	Capacity increase for CGC/NCGC	4020	Expansion
		Capacity increase for BL	4092	Expansion
Federal	Expansion of the Port Complex of Porto Velho-RO	Capacity increase for CGC/NCGC	4024	Expansion
		Capacity increase for BL	4117	Expansion
		Capacity increase for ABS	4025	Expansion
		Capacity increase for OMBS	4118	Expansion
Federal	Expansion of the Port Complex of Santarém-PA	Capacity increase for CGC/NCGC	4122	Expansion
		Capacity increase for BL	4093	Expansion
		Capacity increase for OMBS	4121	Expansion
		Capacity increase for ABS	4078	Expansion
Federal	Expansion of the Port Terminals of Itacoatiara/Novo Remanso-AM	Capacity increase for ABS	4083	Expansion
		Capacity increase for OMBS	4132	Expansion



INTERMODAL TRANSPORT AXIS No. 5

Axis name	Rail link between São Paulo and the South Region
Axis code	I005
No. of structuring interventions	9





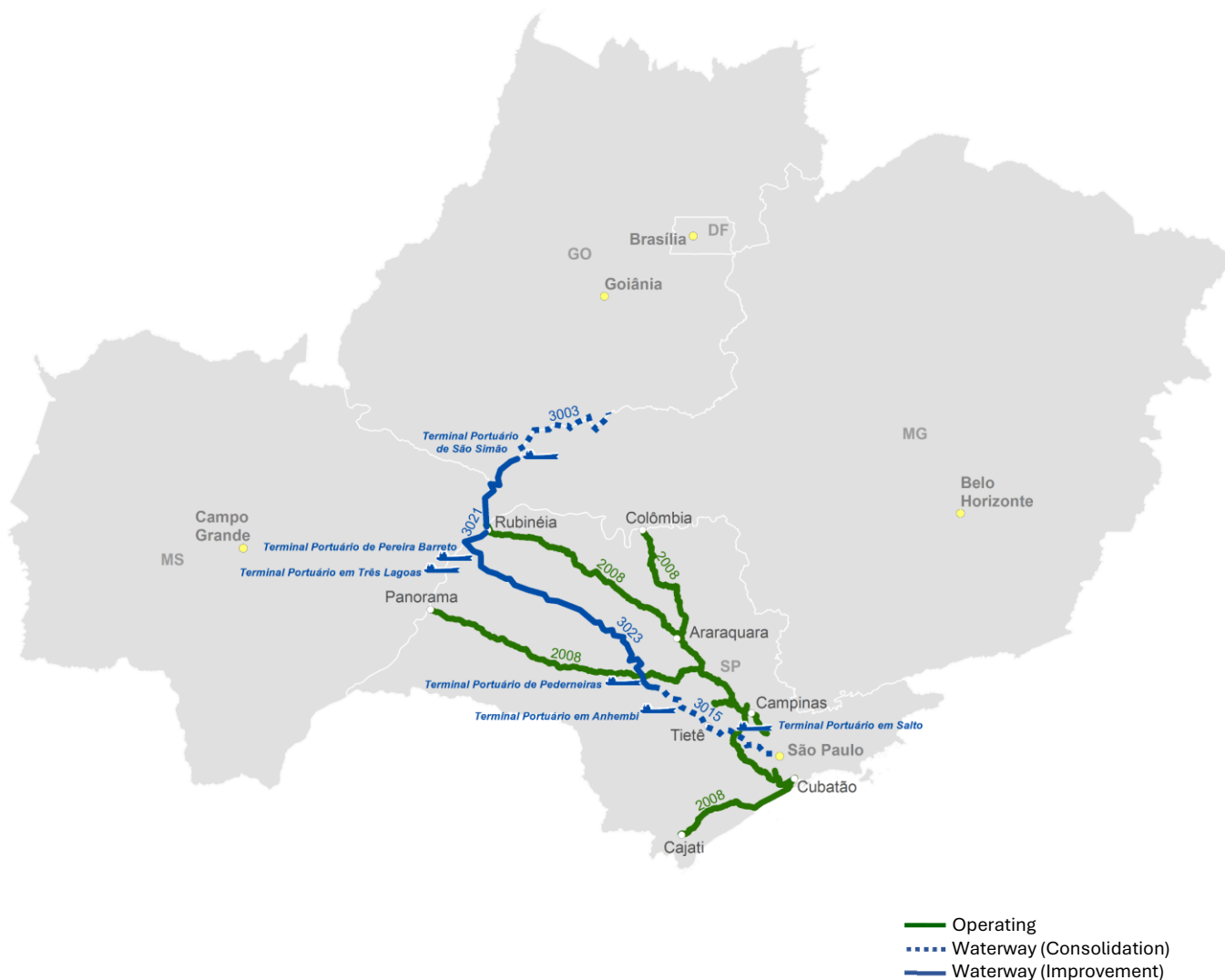
INTERMODAL TRANSPORT AXIS No. 5

Rail projects				
Jurisdiction	Project	ID	Type of intervention	Gauge
Federal	Expansion of Malha Sul (Corredor InterState)	2009	Implementation - Brownfield	Metre
Federal	Expansion of Malha Sul (Malha Gaúcha)	2011	Expansion	Metre
Federal	Expansion of Malha Sul (PR/SC Corridor)	2010	Expansion	Metre
Waterway projects				
Jurisdiction	Project	ID	Type of intervention	
Federal	Improvement of the Lagoa dos Patos Waterway (Porto Alegre/RS Port of Rio Grande/RS)	3001	Improvement	
Federal	Consolidation of the Lagoa Mirim Waterway (Pelotas/RS - Uruguai)	3002	Consolidation	
Port projects				
Jurisdiction	Project	ID	Type of intervention	
Federal	Expansion of the Port Complex of Paranaguá/Antonina-SC	Capacity increase for CGC/NCGC	4022	Expansion
		Capacity increase for BL	4091	Expansion
		Capacity increase for ABS	4023	Expansion
		Capacity increase for OMBS	4114	Expansion
Federal	Expansion of the Port Complex of Porto Alegre-RS	Capacity increase for CGC/NCGC	4085	Expansion
		Capacity increase for BL	4115	Expansion
		Capacity increase for OMBS	4116	Expansion
		Capacity increase for ABS	4084	Expansion
Federal	Expansion of the Port Complex of Rio Grande-RS	Capacity increase for CGC/NCGC	4027	Expansion
		Capacity increase for BL	4090	Expansion
		Capacity increase for ABS	4028	Expansion
		Capacity increase for OMBS	4120	Expansion
Federal	Expansion of the Port Complex of São Francisco do Sul/Itapoá-SC	Capacity increase for CGC/NCGC	4037	Expansion
		Capacity increase for BL	4125	Expansion
		Capacity increase for ABS	4038	Expansion
		Capacity increase for OMBS	4124	Expansion



INTERMODAL TRANSPORT AXIS No. 6

Axis name	Waterway-rail connection from the Center-West to São Paulo
Axis code	I006
No. of structuring interventions	11





INTERMODAL TRANSPORT AXIS No. 6

Rail projects				
Jurisdiction	Project	ID	Type of intervention	Gauge
Federal	Expansion of Malha Paulista	2008	Expansion	Broad

Waterway projects				
Jurisdiction	Project	ID	Tipo intervenção	
Federal	Consolidation of the Paranaíba Waterway (São Simão/ GO Itumbiara/GO)	3003	Consolidation	
State	Consolidation of the Tietê River Waterway – Section II	3015	Consolidation	
Federal	Improvement of the Paraná River Waterway (Três Lagoas/ MS - São Simão/GO)	3021	Improvement	
State	Improvement of the Tietê River Waterway (Expansion of the Tietê Lock System - Modernization)	3023	Improvement	

Port projects				
Jurisdiction	Project	ID	Tipo intervenção	
Federal	Expansion de Terminais Portuários em São Simão/GO	Capacity increase for ABS	4135	Expansion
		Capacity implementation for OMBS	4137	Expansion
Federal	Expansion de Terminais Portuários em Pereira Barreto/SP	Capacity implementation for CGC/NCGC	4141	Expansion
		Capacity implementation for ABS	4142	Expansion
		Capacity implementation for OMBS	4143	Expansion
Federal	Implementations of Port Terminals at Três Lagoas/MS	Capacity implementation for CGC/NCGC	4138	Implementation - Greenfield
Federal	Expansion de Terminais Portuários em Pederneiras/SP	Capacity implementation for CGC/NCGC	4194	Expansion
		Capacity increase for ABS	4193	Expansion
		Capacity implementation for OMBS	4196	Expansion
Federal	Implementations of Port Terminals at Anhembi/SP	Capacity implementation for CGC/NCGC	4198	Implementation - Greenfield
		Capacity implementation for BL	4199	Implementation - Greenfield
Federal	Implementations of Port Terminals at Salto/SP	Capacity implementation for CGC/NCGC	4144	Implementation - Greenfield
		Capacity implementation for BL	4272	Implementation - Greenfield



INTERMODAL TRANSPORT AXIS No. 7

Axis name	Passenger transport in the São Paulo Macrometropolis
Axis code	I007
No. of structuring interventions	10



Road projects			
Jurisdiction	Project	ID	Type of intervention
Federal	Upgrade of BR-116/RJ/SP (Rio de Janeiro/RJ - São Paulo/SP)	1052	Expansion



INTERMODAL TRANSPORT AXIS No. 7

Rail projects			
Jurisdiction	Project	ID	Type of intervention
Federal	TAV (High-Speed Rail) Rio - São Paulo	2100	Implementation - Greenfield
State	Implementation of the TIC (Intercity Train) São Paulo - Campinas	2101	Under construction
State	Implementation of the TIC (Intercity Train) São Paulo - Santos	2102	Implementation - Greenfield
State	Implementation of the TIC (Intercity Train) São Paulo - São José dos Campos	2103	Implementation - Greenfield
Projectrtruários			
Jurisdiction	Project	ID	Type of intervention
Federal	Expansion of São Paulo/Guarulhos Airport (SBGR)	5002	Expansion
Federal	Expansion of São Paulo/Congonhas Airport (SBSP)	5001	Expansion
Federal	Expansion of São José dos Campos Airport (SBSJ)	5004	Expansion
Federal	Expansion of Viracopos/Campinas Airport (SBKP)	5003	Expansion
Federal	Implementation of the Metropolitan Civil Airport of Guarujá (SBST)	5005	Implementation - Greenfield

PIT PROJECT BANK:

**ALTERNATIVE TRANSPORT
AXIS OPTIONS FOR
POSSIBLE FUTURE
STUDIES**





INDEX OF ALTERNATIVE TRANSPORTATION CORRIDORS

PIT Project Database: alternative transportation corridors for potential future studies

Axis ID	Axis name
BP001	Rail Link Between the Central-Southeast and the Southern Region
BP002	Coastal rail link from São Paulo to the Southern Region
BP003	North-South rail link with a terminus in Alcântara, Maranhão
BP004	Tapajós Waterway – Teles-Pires Section
BP005	Santa Catarina Railroad
BP006	Bioceanic Corridor via Acre
BP007	Rail connection to the ports in the Southeast
BP008	Alternative Rail-Waterway Connection for the Arco Norte
BP009	New Coastal Highway in Santa Catarina
BP010	Teresina-Luís Correia (PI) Railroad Line
BP011	Araguaia Waterway



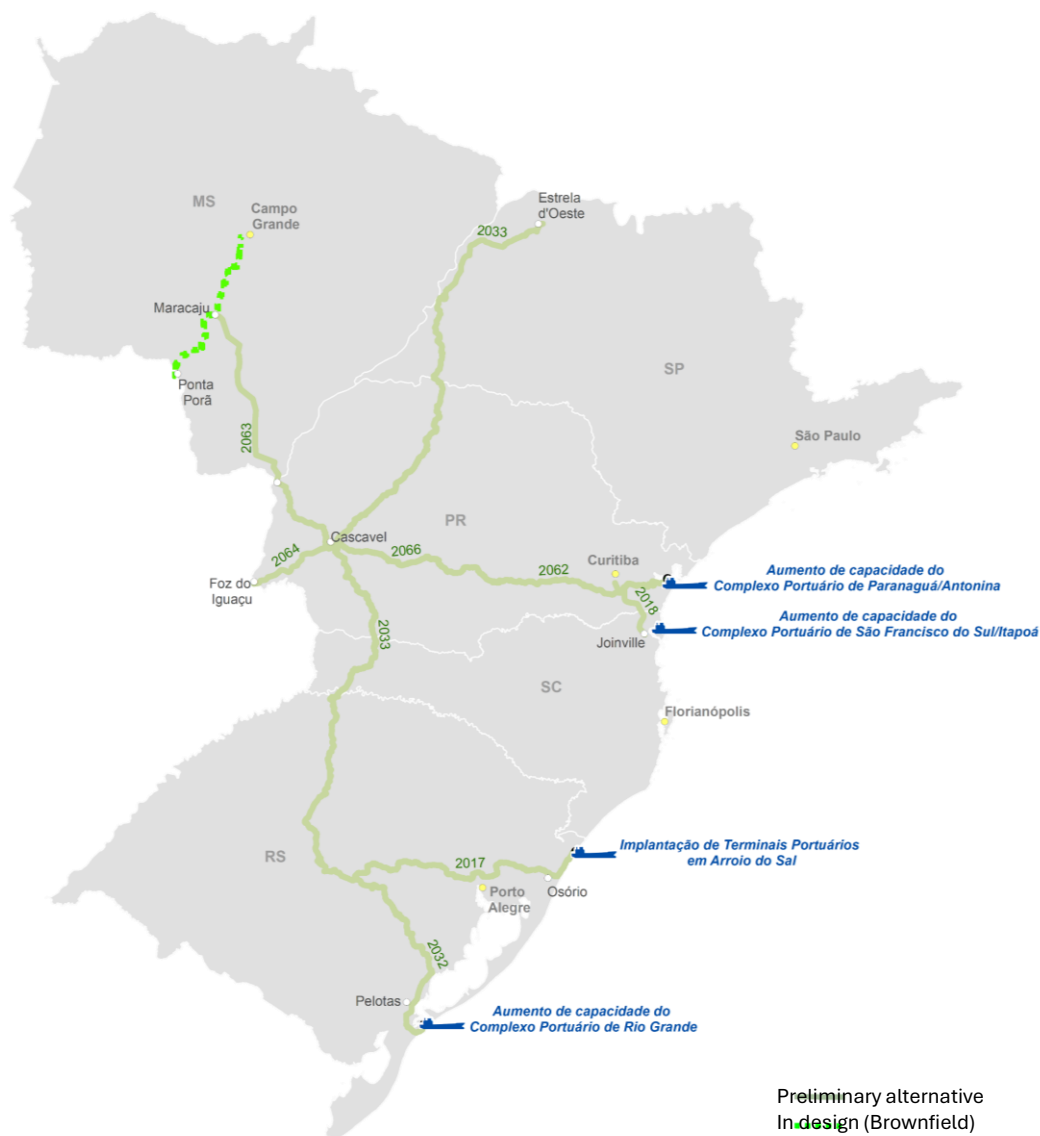
GLOSSARY: CARGO GROUPS

Code	Cargo Group
MBS	Mineral Bulk Solids
OMBS	Other Mineral Bulk Solids
BL	Bulk Liquids
ABS	Agricultural Bulk Solids
CGC	Containerizable General Cargo
NCGC	Non-Containerizable General Cargo



ALTERNATIVE TRANSPORT AXIS No. 1

Axis name	Rail link between the Center-Southeast and the South Region
Axis code	BP001
No. of structuring interventions	13





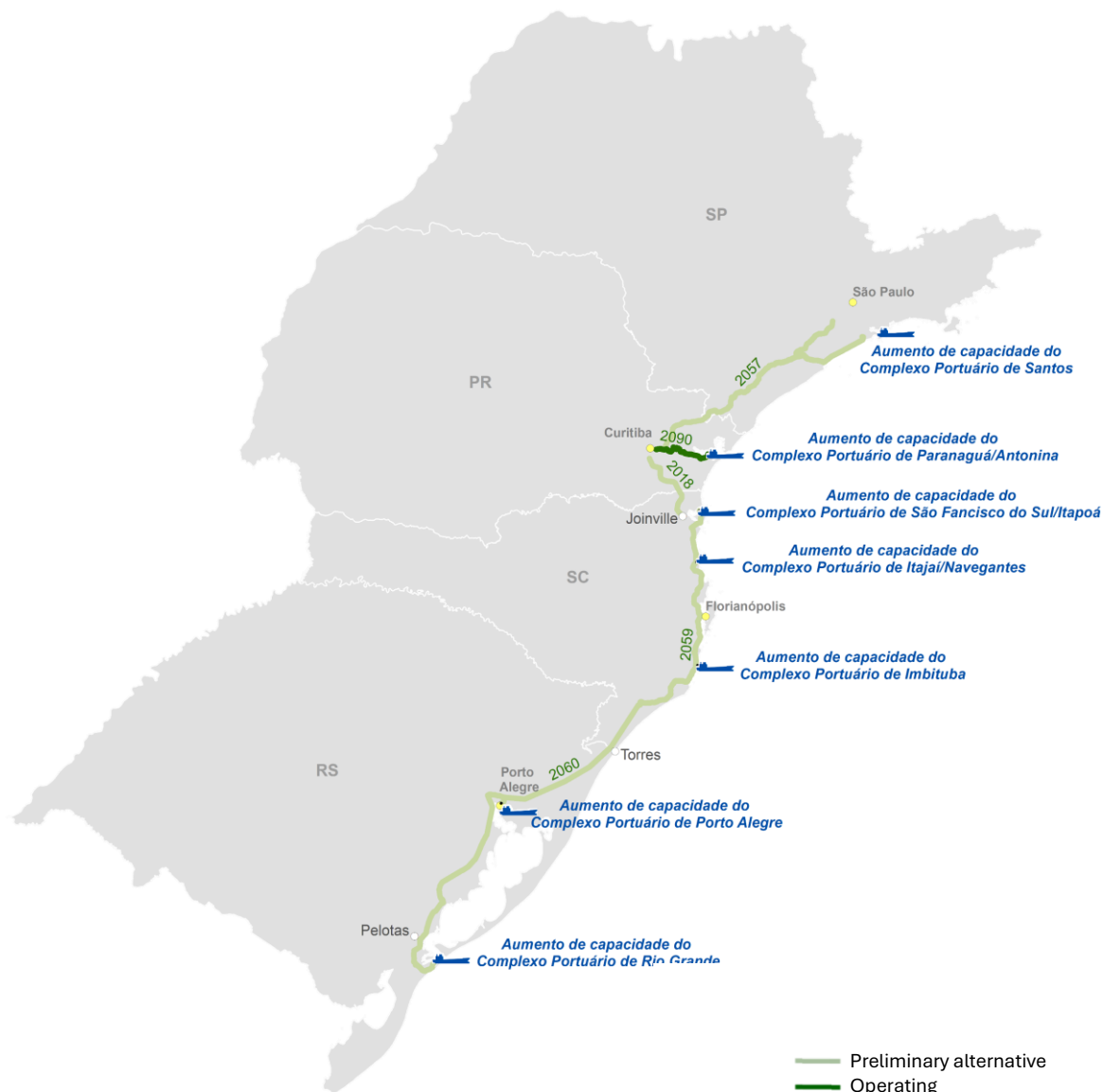
ALTERNATIVE TRANSPORT AXIS No. 1

Rail projects				
Jurisdiction	Project	ID	Type of intervention	Gauge
Federal	Implementation of Malha Oeste (Campo Grande/MS - Ponta Porã/MS)	2047	Implantação - Brownfield	To be defined
Federal	Implementation of Nova Ferroeste (Guarapuava/PR - Paranaguá/PR)	2062	Implementation - Greenfield	Broad
Federal	Implementation of Nova Ferroeste (Maracaju/MS - Cascavel/PR)	2063	Implementation - Greenfield	Broad
Federal	Implementation of Nova Ferroeste (Cascavel/PR - Foz do Iguaçu/PR)	2064	Implementation - Greenfield	Broad
Federal	Expansion of Ferroeste (Cascavel/PR - Guarapuava/PR)	2066	Expansion	Broad
Federal	Implementation of Ferrovia do Porto de Arroio do Sal (Arroio do Sal/RS - Santa Maria/RS)	2017	Implementation - Greenfield	To be defined
Federal	Implantação de conexão ferroviária Curitiba/PR - São Francisco do Sul/SC	2018	Implementation - Greenfield	To be defined
Federal	Implementation of Ferrovia Norte Sul Tramo Sul(FNSTS)(Chapecó/SC-Rio Grande/RS)	2032	Implementation - Greenfield	Broad
Federal	Implementation of Ferrovia Norte Sul Tramo Sul (FNSTS) (Estrela D'Oeste/SP - Chapecó/SC)	2033	Implementation - Greenfield	Broad
Port projects				
Jurisdiction	Project	ID	Type of intervention	
Federal	Expansion of the Port Complex of Paranaguá/Antonina	Capacity increase for CGC/NCGC	4022	Expansion
		Capacity increase for BL	4091	Expansion
		Capacity increase for ABS	4023	Expansion
		Capacity increase for OMBS	4114	Expansion
Federal	Expansion of the Port Complex of Rio Grande	Capacity increase for CGC/NCGC	4027	Expansion
		Capacity increase for BL	4090	Expansion
		Capacity increase for ABS	4028	Expansion
		Capacity increase for OMBS	4120	Expansion
Federal	Expansion of the Port Complex of São Francisco do Sul/Itapoá	Capacity increase for CGC/NCGC	4037	Expansion
		Capacity increase for BL	4125	Expansion
		Capacity increase for ABS	4038	Expansion
		Capacity increase for OMBS	4124	Expansion
Federal	Implementations of Port Terminals at Arroio do Sal	Capacity implementation for CGC/NCGC	4075	Implementation - Greenfield
		Capacity implementation for ABS	4048	Implementation - Greenfield
		Capacity implementation for OMBS	4127	Implementation - Greenfield



ALTERNATIVE TRANSPORT AXIS No. 2

Axis name	Coastal rail link from São Paulo to the South Region
Axis code	BPO02
No. of structuring interventions	12





ALTERNATIVE TRANSPORT AXIS No. 2

Rail projects				
Jurisdiction	Project	ID	Type of intervention	Gauge
Federal	Implementation of a rail connection Curitiba/PR- São Francisco do Sul/SC	2018	Implementation - Greenfield	To be defined
Federal	Implementation of the Railway São Paulo/Santos/SP- Curitiba/PR	2057	Implementation - Greenfield	To be defined
Federal	Implementation of the Coastal Railway (São Francisco do Sul/SC - Imbituba/SC)	2059	Implementation - Greenfield	To be defined
Federal	Implementation of the Railway Imbituba/SC - Porto Alegre/RS - Rio Grande/RS	2060	Implementation - Greenfield	To be defined
Federal	Malha Sul connection Curitiba – Paranaguá	2090	Expansion	Broad
Port projects				
Jurisdiction	Project	ID	Type of intervention	
Federal	Expansion of the Port Complex of Imbituba	Capacity increase for CGC/NCGC	4009	Expansion
		Capacity increase for OMBS	4113	Expansion
		Capacity implementation for BL	4268	Expansion
		Capacity increase for ABS	4010	Expansion
Federal	Expansion of the Port Complex of Itajaí/Navegantes	Capacity increase for CGC/NCGC	4013	Expansion
Federal	Expansion of the Port Complex of Paranaguá/Antonina	Capacity increase for CGC/NCGC	4022	Expansion
		Capacity increase for OMBS	4114	Expansion
		Capacity increase for BL	4091	Expansion
		Capacity increase for ABS	4023	Expansion
Federal	Expansion of the Port Complex of Rio Grande	Capacity increase for CGC/NCGC	4027	Expansion
		Capacity increase for BL	4090	Expansion
		Capacity increase for OMBS	4120	Expansion
		Capacity increase for ABS	4028	Expansion



ALTERNATIVE TRANSPORT AXIS No. 2

Port projects				
Jurisdiction		Project	ID	Type of intervention
Federal	Expansion of the Port Complex of Santos	Capacity increase for CGC/NCGC	4033	Expansion
		Capacity increase for ABS	4034	Expansion
		Capacity increase for MBS	4076	Expansion
		Capacity increase for BL	4086	Expansion
		Capacity increase for OMBS	4036	Expansion
Federal	Expansion of the Port Complex of São Francisco do Sul/Itapoá	Capacity increase for CGC/NCGC	4037	Expansion
		Capacity increase for OMBS	4124	Expansion
		Capacity increase for BL	4125	Expansion
		Capacity increase for ABS	4038	Expansion
Federal	Expansion of the Port Complex of Porto Alegre	Capacity increase for CGC/NCGC	4085	Expansion
		Capacity increase for ABS	4084	Expansion
		Capacity increase for OMBS	4116	Expansion
		Capacity increase for BL	4115	Expansion



ALTERNATIVE TRANSPORT AXIS No. 3

Axis name	North-South rail link with an outlet via Alcântara/MA
Axis code	BP003
No. of structuring interventions	5





ALTERNATIVE TRANSPORT AXIS No. 3

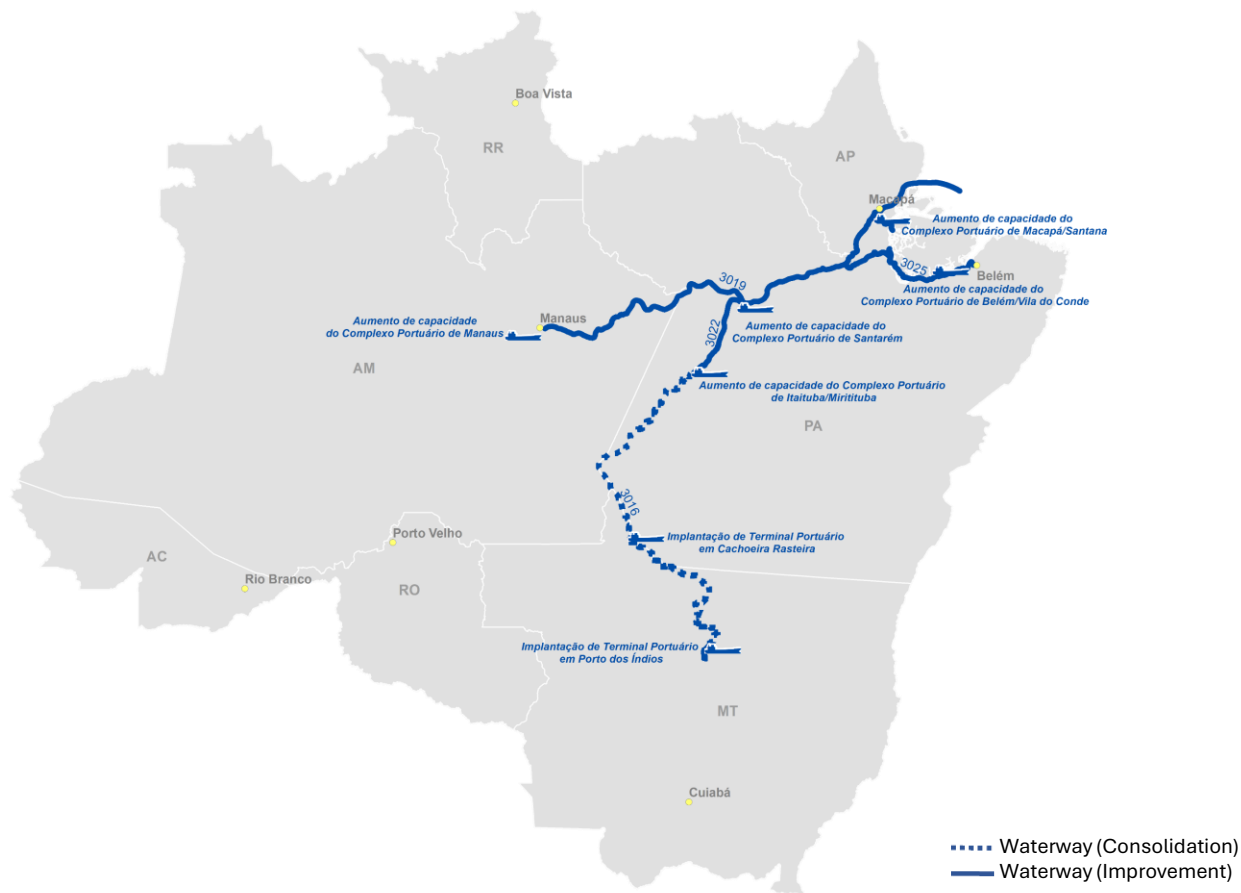
Rail projects					
Jurisdiction		Project	ID	Type of intervention	Gauge
Federal	EFC		2015	Maintenance	Broad
Federal	Implementation of Ferrovia Açailândia/MA - Alcântara/MA		2026	Implementation - Greenfield	To be defined
Federal	FNS (Tramo Norte)		2087	Maintenance	Broad
Federal	FNS (Tramo Central)		2088	Maintenance	Broad

Port projects				
Jurisdiction		Project	ID	Type of intervention
Federal	Implementations of Port Terminals at Alcântara	Capacity implementation for ABS	4052	Implementation-Greenfield
		Capacity implementation for CGC/NCGC	4053	Implementation-Greenfield
		Capacity implementation for OMBS	4130	Implementation-Greenfield
		Capacity implementation for BL	4131	Implementation-Greenfield



ALTERNATIVE TRANSPORT AXIS No. 4

Axis name	Tapajós Waterway – Teles Pires section
Axis code	BP004
No. of structuring interventions	11



Waterway projects			
Jurisdiction	Project	ID	Type of intervention
Federal	Consolidation of the Tapajós River Waterway - Teles-Pires	3016	Consolidation
Federal	Improvement of the Hidrovia do Rio Amazonas	3019	Improvement
Federal	Improvement of the Hidrovia do Rio Amazonas- Estreito de Breves (Almeirim/PA - Belém/PA)	3025	Improvement
Federal	Improvement of the Hidrovia do Rio Tapajós (Itaituba/PA - Santarém/PA)	3022	Improvement



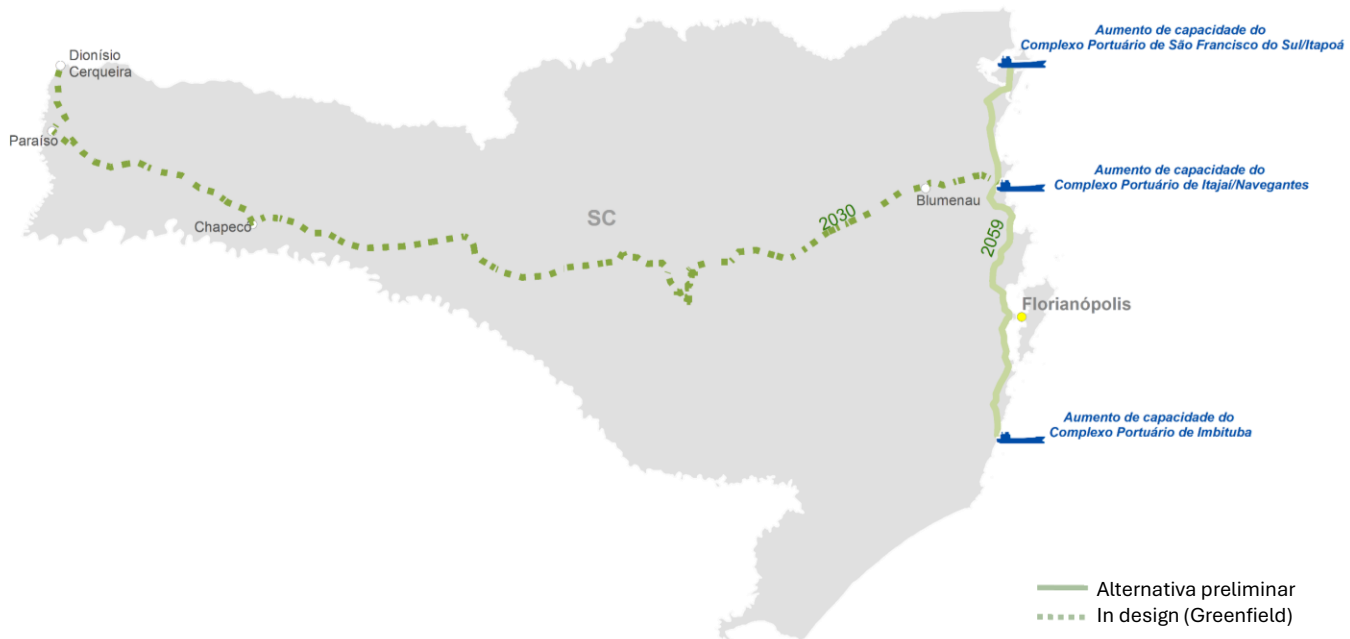
ALTERNATIVE TRANSPORT AXIS No. 4

Port projects				
Jurisdiction		Project	ID	Type of intervention
Federal	Expansion of the Port Complex of Belém/Vila do Conde/PA	Capacity increase for CGC/NCGC	4004	Expansion
		Capacity increase for BL	4094	Expansion
		Capacity increase for ABS	4005	Expansion
		Capacity increase for OMBS	4108	Expansion
Federal	Expansion of the Port Complex of Itaituba/Miritituba/PA	Capacity increase for BL	4096	Expansion
		Capacity increase for ABS	4057	Expansion
		Capacity increase for OMBS	4264	Expansion
		Capacity implementation for CGC/NCGC	4056	Expansion
Federal	Expansion of the Port Complex of Macapá/Santana/AP	Capacity increase for CGC/NCGC	4032	Expansion
Federal	Expansion of the Port Complex of Manaus/AM	Capacity increase for CGC/NCGC	4020	Expansion
		Capacity increase for BL	4092	Expansion
Federal	Expansion of the Port Complex of Santarém/PA	Capacity increase for CGC/NCGC	4122	Expansion
		Capacity increase for BL	4093	Expansion
		Capacity increase for ABS	4078	Expansion
		Capacity increase for OMBS	4121	Expansion
Federal	Implementations of Port Terminals at Cachoeira Rasteira/MT	Capacity implementation for CGC/NCGC	4247	Implementation - Greenfield
		Capacity implementation for BL	4248	Implementation - Greenfield
		Capacity implementation for ABS	4246	Implementation - Greenfield
		Capacity implementation for OMBS	4249	Implementation - Greenfield
Federal	Implementations of Port Terminals at Porto dos Índios/MT	Capacity implementation for CGC/NCGC	4251	Implementation - Greenfield
		Capacity implementation for BL	4252	Implementation - Greenfield
		Capacity implementation for ABS	4250	Implementation - Greenfield
		Capacity implementation for OMBS	4253	Implementation - Greenfield



ALTERNATIVE TRANSPORT AXIS No. 5

Axis name	Santa Catarina railway
Axis code	BP005
No. of structuring interventions	5

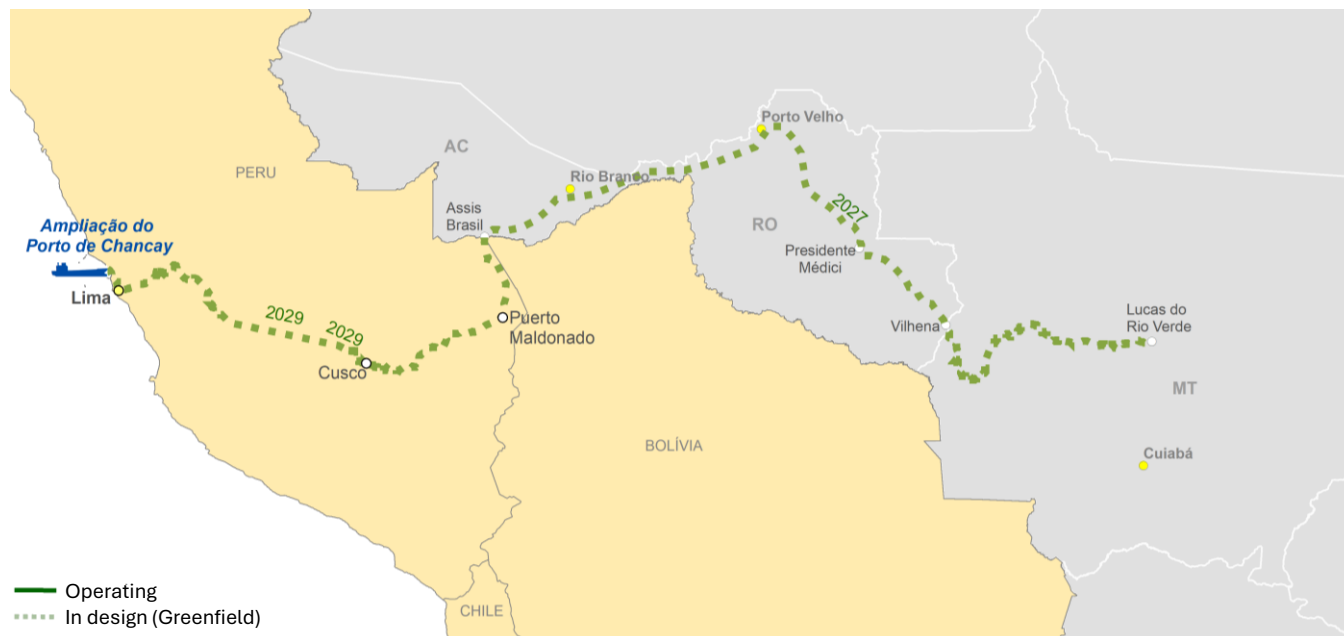


Rail projects				
Jurisdiction	Project	ID	Type of intervention	Gauge
Federal	Implementation of the Rail Corridor of Santa Catarina (Dionísio Cerqueira/SC - Itajaí/Navegantes/SC)	2030	Implementation - Greenfield	To be defined
Federal	Implementation of Ferrovia Litorânea (São Francisco do Sul/SC - Imbituba/SC)	2059	Implementation - Greenfield	To be defined
Port projects				
Jurisdiction	Project	ID	Type of intervention	
Federal	Expansion of the Port Complex of Imbituba	Capacity increase for CGC/NCGC	4009	Expansion
Federal	Expansion of the Port Complex of Itajaí/Navegantes	Capacity increase for CGC/NCGC	4013	Expansion
Federal	Expansion of the Port Complex of São Francisco do Sul/Itapoá	Capacity increase for CGC/NCGC	4037	Expansion



ALTERNATIVE TRANSPORT AXIS No. 6

Axis name	Bioceanic corridor via Acre
Axis code	BP006
No. of structuring interventions	3



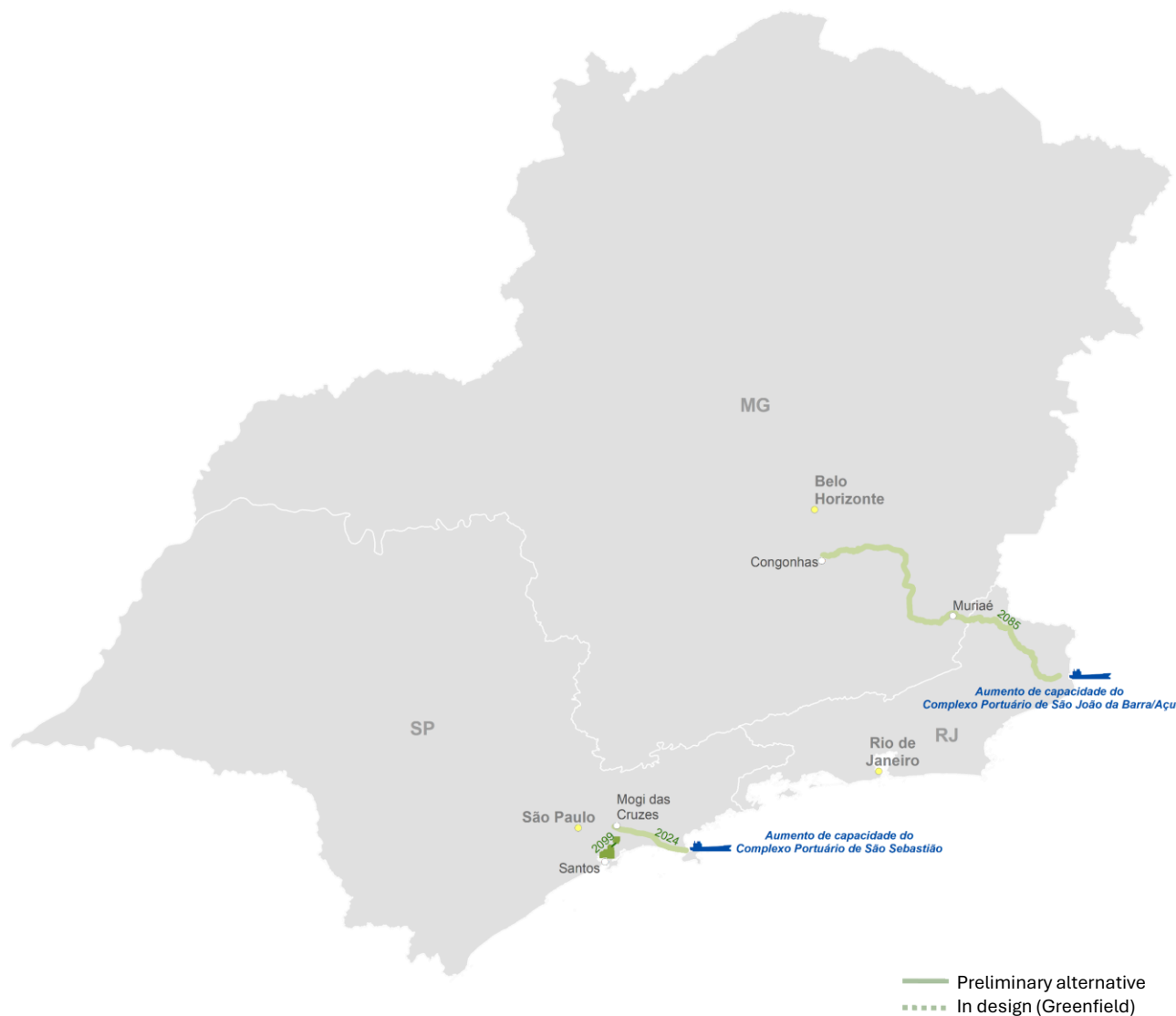
Rail projects				
Jurisdiction	Project	ID	Type of intervention	Gauge
Federal	Implementation of Extensão do Corredor Leste-Oeste (Lucas do Rio Verde/MT - Assis Brasil/AC)	2027	Implementation - Greenfield	To be defined
International	Implementation of Ferrovia Bioceânica Leste-Oeste (Bolivia and Peru Sections)	2029	Implementation - Greenfield	Broad

Port projects			
Jurisdiction	Project	ID	Type of intervention
Internacional	Expansion of the Port of Chancay	4081	Expansion



ALTERNATIVE TRANSPORT AXIS No. 7

Axis name	Rail link to the ports in the Southeast
Axis code	BP007
No. of structuring interventions	5





ALTERNATIVE TRANSPORT AXIS No. 7

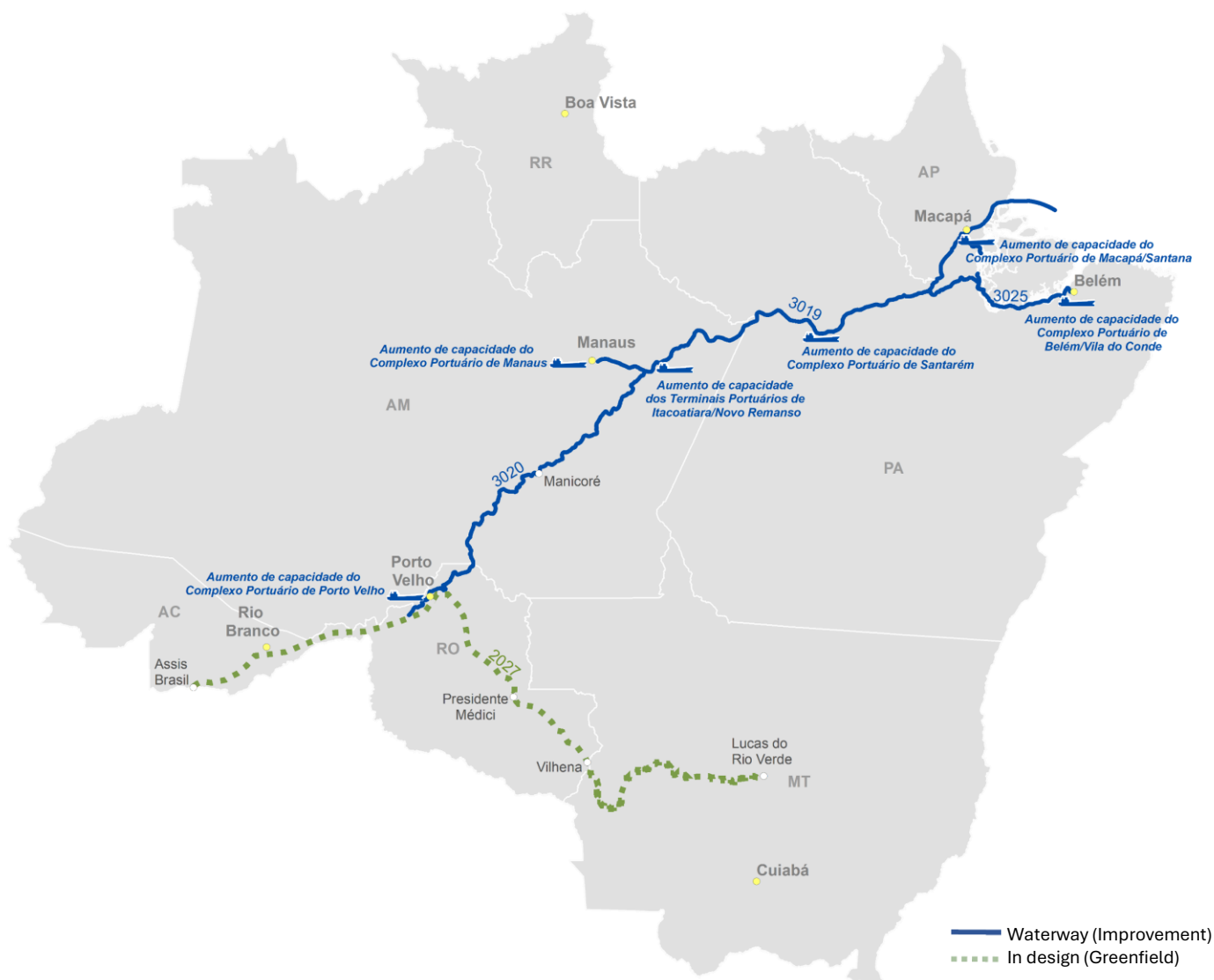
Rail projects				
Jurisdiction	Project	ID	Type of intervention	Gauge
Federal	Implementation of Ferrovia Mogi das Cruzes/SP - São Sebastião/SP	2024	Implementation - Greenfield	To be defined
Federal	Implementation of the third rail descent to the Port of Santos	2099	Implementation - Greenfield	Broad
Federal	Implementation of Railway Congonhas/MG - Porto do Açu/RJ	2085	Implementation - Greenfield	Broad

Port projects				
Jurisdiction	Project	ID	Type of intervention	
Federal	Port Complex of São Sebastião	Capacity increase for CGC/NCGC	4041	Expansion
		Capacity increase for BL	4123	Expansion
Federal	Port Complex of São João da Barra/Açu	Capacity increase for CGC/NCGC	4060	Expansion
		Capacity increase for BL	4099	Expansion
		Capacity implementation for ABS	4061	Expansion
		Capacity implementation for OMBS	4062	Expansion



ALTERNATIVE TRANSPORT AXIS No. 8

Axis name	Alternative rail-waterway connection for the Northern Arc (Arco Norte)
Axis code	BP008
No. of structuring interventions	10





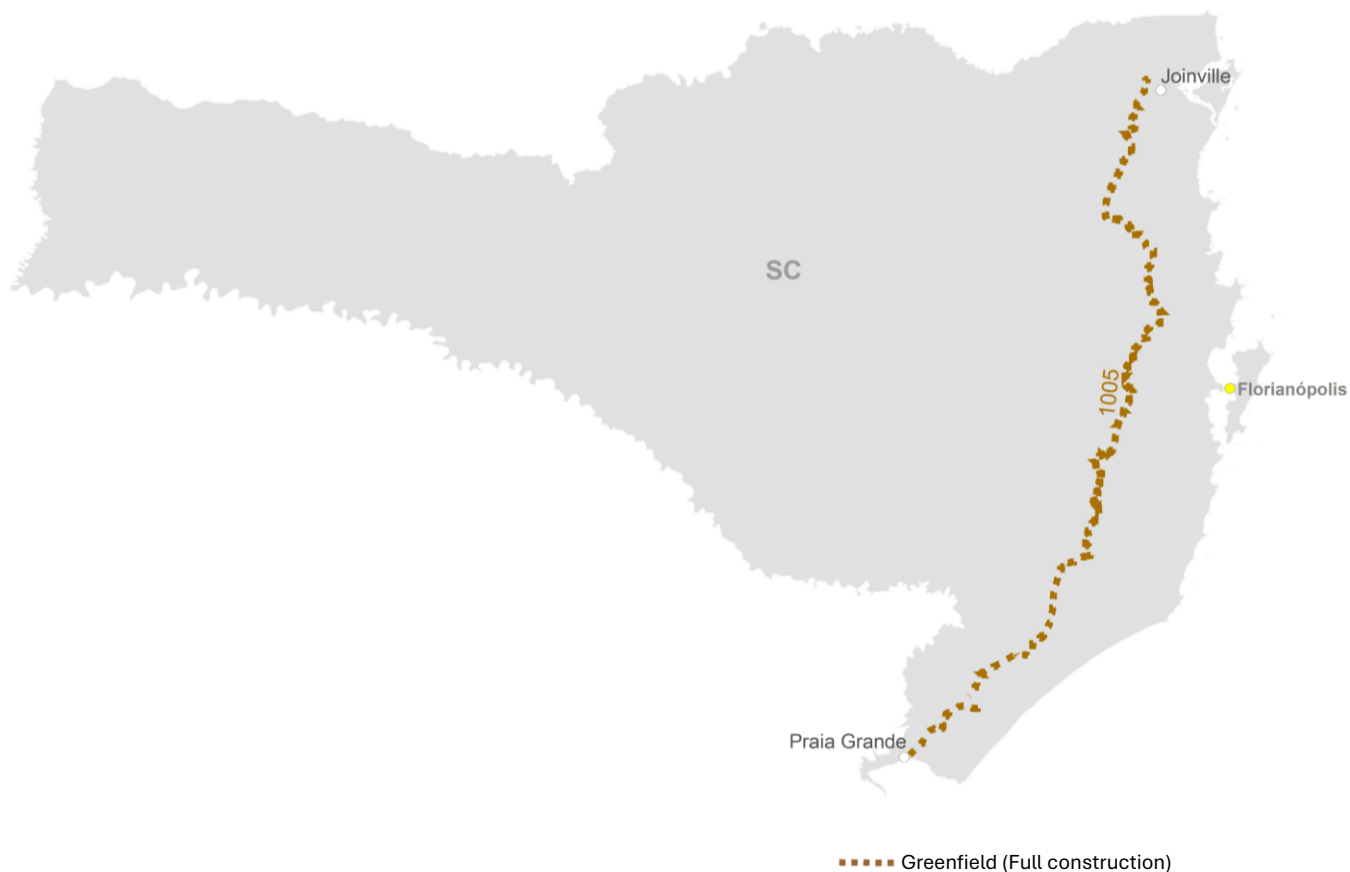
ALTERNATIVE TRANSPORT AXIS No. 8

Rail project				
Jurisdiction	Project	ID	Type of intervention	Gauge
Federal	Implementation of Extensão do Corredor Leste-Oeste (Lucas do Rio Verde/MT - Assis Brasil/AC)	2027	Implementation - Greenfield	To be defined
Waterway projects				
Jurisdiction	Project	ID	Type of intervention	
Federal	Improvement of the Hidrovia do Rio Amazonas	3019	Improvement	
Federal	Improvement of the Hidrovia do Rio Amazonas- Estreito de Breves (Almeirim/PA - Belém/PA)	3025	Improvement	
Federal	Improvement of the Hidrovia do Rio Madeira	3020	Improvement	
Port projects				
Jurisdiction		ID	Type of intervention	
Federal	Port Complex of Belém/Vila do Conde	Capacity increase for CGC/NCGC	4004	Expansion
		Capacity increase for BL	4094	Expansion
		Capacity increase for ABS	4005	Expansion
		Capacity increase for OMBS	4108	Expansion
Federal	Port Complex of Macapá/Santana	Capacity increase for CGC/NCGC	4032	Expansion
Federal	Port Complex of Manaus	Capacity increase for CGC/NCGC	4020	Expansion
		Capacity increase for BL	4092	Expansion
Federal	Port Complex of Porto Velho	Capacity increase for CGC/NCGC	4024	Expansion
		Capacity increase for BL	4117	Expansion
		Capacity increase for ABS	4025	Expansion
		Capacity increase for OMBS	4118	Expansion
Federal	Expansion of the Port Complex of Santarém-PA	Capacity increase for CGC/NCGC	4122	Expansion
		Capacity increase for BL	4093	Expansion
		Capacity increase for ABS	4078	Expansion
		Capacity increase for OMBS	4121	Expansion
Federal	Port Terminals of Itacoatiara/Novo Remanso	Capacity increase for ABS	4083	Expansion
		Capacity increase for OMBS	4132	Expansion



ALTERNATIVE TRANSPORT AXIS No. 9

Axis name	New Santa Catarina coastal highway
Axis code	BP009
No. of structuring interventions	1

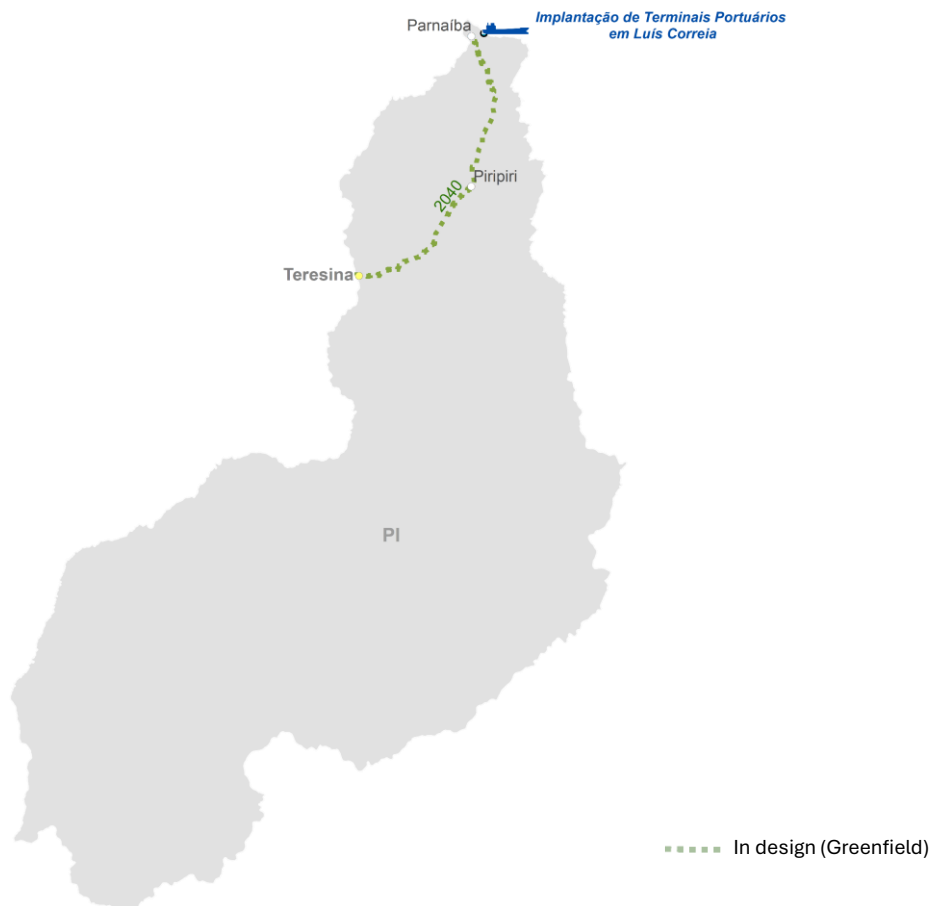


Road project			
Jurisdiction		ID	Type of intervention
State	Implementation of Via Mar (Joinville/SC - RS/SC border)	1005	Implementation - Greenfield



ALTERNATIVE TRANSPORT AXIS No. 10

Axis name	Teresina–Luís Correia rail link
Axis code	BP010
No. of structuring interventions	2



Rail project				
Jurisdiction	Project	ID	Type of intervention	Gauge
Federal	Implementation of the Railway Teresina/PI – Luís Correia/PI	2040	Implementation - Greenfield	To be defined
Port project				
Jurisdiction	Project	ID	Type of intervention	
Federal	Implementations of Port Terminals at Luís Correia (ABS)	4049	Implementation - Greenfield	



ALTERNATIVE TRANSPORT AXIS No. 11

Axis name	Araguaia Waterway
Axis code	BP011
No. of structuring interventions	5





ALTERNATIVE TRANSPORT AXIS No. 11

Waterway projects				
Jurisdiction		Project	ID	Type of intervention
Federal	Consolidation of the Araguaia River Waterway		3004	Consolidation
Port projects				
Jurisdiction		Project	ID	Type of intervention
Federal	Implementations of Port Terminals at Aruanã/GO	Capacity implementation for CGC/NCGC	4150	Implementation - Greenfield
		Capacity implementation for BL	4151	Implementation - Greenfield
		Capacity implementation for ABS	4149	Implementation - Greenfield
		Capacity implementation for OMBS	4152	Implementation - Greenfield
Federal	Implementations of Port Terminals at Conceição do Araguaia/PA	Capacity implementation for CGC/NCGC	4158	Implementation - Greenfield
		Capacity implementation for BL	4159	Implementation - Greenfield
		Capacity implementation for ABS	4157	Implementation - Greenfield
		Capacity implementation for OMBS	4160	Implementation - Greenfield
Federal	Implementations of Port Terminals at Marabá/PA	Capacity implementation for CGC/NCGC	4162	Implementation - Greenfield
		Capacity implementation for BL	4163	Implementation - Greenfield
		Capacity implementation for ABS	4161	Implementation - Greenfield
		Capacity implementation for OMBS	4164	Implementation - Greenfield
Federal	Implementations of Port Terminals at São Félix do Araguaia/MT	Capacity implementation for CGC/NCGC	4154	Implementation - Greenfield
		Capacity implementation for BL	4155	Implementation - Greenfield
		Capacity implementation for ABS	4153	Implementation - Greenfield
		Capacity implementation for OMBS	4156	Implementation - Greenfield

