

PROJECT PORTFOLIO COSIPLAN 2012

Document prepared by IIRSA and approved
by the COSIPLAN Coordinating Committee



I . I . R . S . A

INICIATIVA PARA LA INTEGRACION DE LA INFRAESTRUCTURA

REGIONAL SURAMERICANA

This document was technically prepared with the support of the IIRSA
Technical Coordination Committee.

NOTA

The information herein contained about the projects included in COSIPLAN's Project Portfolio was drawn from the Projects Database (www.iirsa.org/proyectos) as at September 10, 2012. The information in this Database is updated on an ongoing basis by the countries that make up the Initiative.

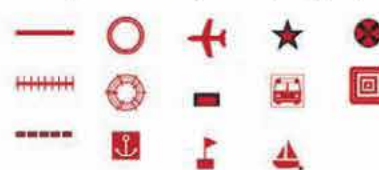
The maps herein contained were drawn from the GeoSUR program; they have been made to be used by IIRSA for technical work purposes and as a general reference tool. The borders, colors, names and any other information shown on them are used for illustrative purposes only and do not represent any recognition of borders or any position or opinion whatsoever on the part of the institutions that make up the CCT as to the legal status of any territory.

REFERENCES FOR MAPS

Other Group Projects

-  Road
-  Railway projects
-  River navigability
-  Power interconnections
-  Communication interconnections
-  Oil & gas
-  Roundabout
-  Rail projects
-  Ports
-  Airports
-  Bridges, alternative connections
-  Border Crossing, CEBAF
-  Logistic Center
-  Electric-Hydroelectric
-  Environmental program
-  Multi-modal
-  River navigability
-  River projects
-  Gas
-  Terrestrial ports
-  Telecommunications
-  Thermoelectric
-  Tunnels


Anchor Group Projects



References

-  Country capital
-  City
-  Country boundaries
-  Existing road network
-  Main hydrography

References of colors of integration and development hubs

 Amazon Hub	 Paraguay-Paraná Waterway Hub
 Andean Hub	 Central Interoceanic Hub
 Capricorn Hub	 MERCOSUR-Chile Hub
 Guianese Shield Hub	 Peru-Brazil-Bolivia Hub
	 Southern Hub

INDEX

OVERVIEW	5
INTRODUCTION	7
ORIGIN AND EVOLUTION OF THE PROJECT PORTFOLIO AND THE INDICATIVE TERRITORIAL PLANNING METHODOLOGY	9
COSIPLAN PROJECT PORTFOLIO	13
GENERAL ASPECTS OF COSIPLAN PROJECT PORTFOLIO BY HUB	31
<i>AMAZON HUB</i>	31
<i>ANDEAN HUB</i>	53
<i>CAPRICORN HUB</i>	81
<i>GUIANESE SHIELD HUB</i>	99
<i>PARAGUAY-PARANÁ WATERWAY HUB</i>	113
<i>CENTRAL INTEROCEANIC HUB</i>	131
<i>MERCOSUR-CHILE HUB</i>	149
PERU-BRAZIL-BOLIVIA HUB	169
SOUTHERN HUB	181

OVERVIEW

This document describes the Portfolio of Projects for the Integration of Regional Infrastructure in South America, designed by the Member States of the Union of South American Nations (UNASUR) within the framework of the South American Infrastructure and Planning Council (COSIPLAN) and as part of the work plan of the Initiative for the Integration of Regional Infrastructure in South America (IIRSA).

UNASUR was created by the South American presidents in 2008 as a forum for high-level political dialogue and coordination among the twelve countries of the region. Within this institutional framework, eight sectoral councils at ministerial level, one of which is COSIPLAN, were created. Pursuant to the Statute and Regulations of this Council, IIRSA serves as its infrastructure technical forum.

One of the objectives of COSIPLAN, as laid down in its Strategic Action Plan (PAE, its acronym in Spanish) 2012-2022, consists in updating the Portfolio of Projects for the Integration of Regional Infrastructure in South America (hereinafter, the COSIPLAN Project Portfolio), which has been created on the basis of IIRSA Project Portfolio.

This process was conducted for second time within the framework of COSIPLAN in 2012, through meetings of the Executive Technical Groups (GTEs their acronym in Spanish) on the nine Integration and Development Hubs (EIDs, their acronym in Spanish) defined by IIRSA. This activity resulted in a 544 - project portfolio with an estimated investment of US\$130,139.1 million.

The COSIPLAN Project Portfolio is the outcome of significant endeavors in terms of cooperation, dialogue and agreement among the South American countries with a view to improving territorial planning and the identification of relevant projects to attain greater, more sustainable physical integration in the region.

INTRODUCTION

The main purpose of this publication is to disseminate the 2012COSIPLAN Portfolio of Projects for the Integration of Regional Infrastructure in South America.

This Portfolio is updated on an annual basis through GTE meetings aimed at enabling the countries involved in each Hub to exchange information about the implementation of the Portfolio projects and to discuss the possibility of including new projects or removing any of the existing ones.

This document is organized as follows:

- **Origin and Evolution of the Project Portfolio and the Indicative Territorial Planning Methodology:** This section reviews the background to the COSIPLAN Project Portfolio and introduces the basic concepts of the Indicative Territorial Planning Methodology, developed within the framework of IIRSA and used in this publication.
- **The COSIPLAN Project Portfolio 2012:** This section provides consolidated information about the Project Portfolio as of September 2012, analyzing its sector-based breakdown, implementation scope, financing sources, project execution phases, and strategic structuring through the Anchor Projects.
- **The COSIPLAN Project Portfolio by Integration and Development Hub:** This section describes the projects included in the Portfolio for each Hub.

Origin and Evolution of the Project Portfolio and the Indicative Territorial Planning Methodology

IIRSA PROJECT PORTFOLIO 2004-2010

Throughout its ten years of existence, IIRSA has become an essential forum for infrastructure planning by the twelve South American countries from a shared and regional vision of the opportunities and challenges posed by the subcontinent. Under the umbrella of IIRSA, South America has, for the first time, acted as a single, integrated unit, one of the most significant results being the creation of IIRSA Project Portfolio¹ in the transport, energy and communications sectors.

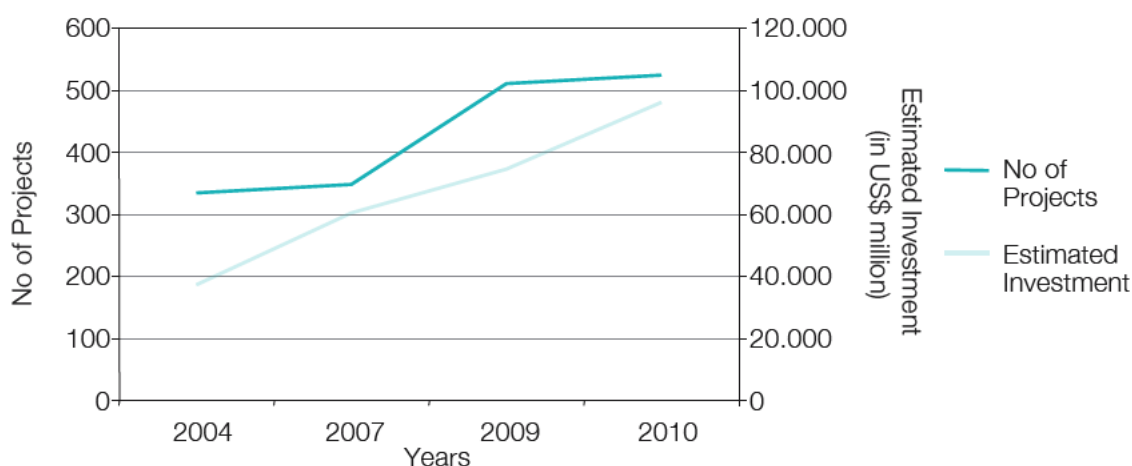
The original structuring of IIRSA Project Portfolio took place in 2004 and was subject to successive updates as a result of improved territorial planning within the framework of the Initiative. In 2004, IIRSA defined a portfolio made up of 335 infrastructure projects accounting for an estimated investment of US\$37,424.8 million.

In 2010, as the first work stage of IIRSA was coming to an end, the last update process in the context of the Initiative was undertaken through meetings of the GTEs on every Hub. The resulting portfolio included 524 projects, accounting for an investment estimated at US\$96,119.2 million (IIRSA Project Portfolio, 2010).

Number of Projects and Estimated Investment 2004-2010

Year	Number of Projects	Estimated Investment
2004	335	37,424.8
2007	349	60,522.6
2008	514	69,000.0
2009	510	74,542.3
2010	524	96,119.2

Number of Projects and Estimated Investment 2004-2010



¹ www.iirsa.org/cartera_ENG.asp?CodIdioma=ENG

COSIPLAN PROJECT PORTFOLIO 2011-2012

In June 2011, the city of Bogotá hosted a series of GTE meetings on the nine Hubs devoted to undertaking the Portfolio update process within the framework of COSIPLAN for the first time. The countries updated their project information in the database², and identified the projects they wished to include or exclude as well as the ones they understood that it was necessary to bring to the dialogue table.

In addition, during these meetings the countries presented their priority projects, identified through a domestic dialogue and consensus process, with the aim of setting up an Integration Priority Project Agenda (API, its acronym in Spanish)³. For this purpose, national and subnational development plans, sectoral policies and strategies, bilateral agreements and/or investment priorities were taken into account.

This update process resulted in a 531-project portfolio with an estimated investment of US\$116,120.6 million.

In August 2012, in Montevideo new series of GTE meetings were held and resulted in a 544-project portfolio with an estimated investment of US\$130,139.1 million.

Of the 544 projects included in the Portfolio, 168 are being executed for an estimated amount of US\$54,578.9 million (41.9% of the Portfolio); 302 are in the preparation stage for an estimated amount of US\$62,909.8 million (48.4% of the Portfolio); and 74 have been completed for an amount of US\$12,650.4 million (9.7% of the Portfolio).

	Number of Projects		Estimated Investment	
	TOTAL	%	US\$ million	%
Profiling	160	29.4	24,512.8	18.9
Pre-execution	142	26.1	38,397.0	29.5
Execution	168	30.8	54,578.9	41.9
Concluded	74	13.7	12,650.4	9.7
TOTAL	544	100.0	130,139.1	100.0

THE INDICATIVE TERRITORIAL PLANNING PROCESS

The structuring of IIRSA Project Portfolio has been possible thanks to the development and application of the Indicative Territorial Planning Methodology⁴ as part of the work plan of IIRSA throughout its ten years of existence. This methodology first identified Integration and Development Hubs (EIDs), which organize the South American territory and structure the Project Portfolio.

The main concepts of the Indicative Territorial Planning Methodology used in this publication are the following:

² <http://iirsa.us33.toservers.com/Index.aspx>.

³ For more information on API, see the "Integration Priority Project Agenda" document.

⁴ For more information on the Indicative Territorial Planning Methodology and its two application stages within the framework of IIRSA, visit http://www.iirsa.org/planificacion_ENG.asp?CodIdioma=ENG.

- **Integration and Development Hubs**

The EIDs are multinational territories involving natural spaces, human settlements, production areas, and trade flows. They represent a territorial reference for the sustainable development of the region, which will facilitate access to areas with a high production potential that are currently isolated or underutilized due to the deficient provision of basic transport, energy, or communication services. Within the framework of IIRSA, ten Integration and Development Hubs have been identified.

- **Project Groups**

A project group is a set of interdependent projects in a given geo-economic space having synergetic effects upon sustainable development. That is, the grouping process is based on the possibility of capitalizing on the benefits of a set of investments, which are greater than the aggregate effects of its individual component projects (synergies). The process is territory-based and takes into account the location of projects, their relationships with the prevailing or potential economic activities, and related environmental and social aspects.

Synergy is said to be vertical when projects are grouped on the basis of input-output relations, within a functional systemic chain (port-road). It is horizontal when it refers to the use of common resources or ease of implementation or operation (hydroelectric power station-waterway). It is therefore understood that the identification of synergies when setting up the groups optimizes their benefits and favors the promotion of investments.

- **Strategic Function**

The effects of a project group constitute their strategic function, i.e. their common objective and/or main benefits both for the integration and the regional development of the geo-economic spaces involved. The strategic function has to do with the direct linkage of the project group to the specific territorial aspects of its area of influence and to the business vision of the pertinent Hub.

- **Anchor Project**

The Anchor Project gives meaning to the grouping process and makes synergies viable. It is not necessarily the largest-sized project. It is identified as the bottleneck or missing link in the infrastructure network hindering the optimum use of the combined effects of the group for the sake of economic and social development. The Anchor Project may be an already implemented project. If such is the case, it is called "existing Anchor Project." Each group is thus set up around an Anchor Project or an existing Anchor Project.

- **Hinge Project**

Hinge projects are projects that articulate two or more Hubs, play a role in more than one Hub or link two or more project groups within one Hub. A case in point may be a port located in the territory of two Hubs; in a horizontal Hub, it integrates the hinterland with the coast, and in a vertical Hub, it integrates the northern and the southern regions.

COSIPLAN Project Portfolio 2012



Country members

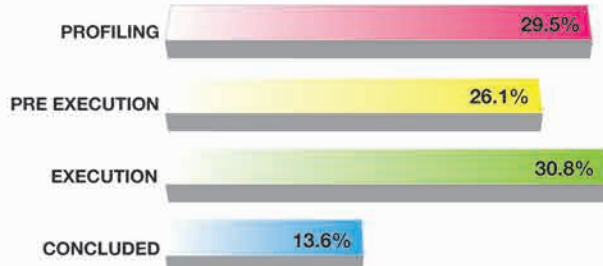


Total Number of project: 544

Investment: 130,139.1
(US\$ million)

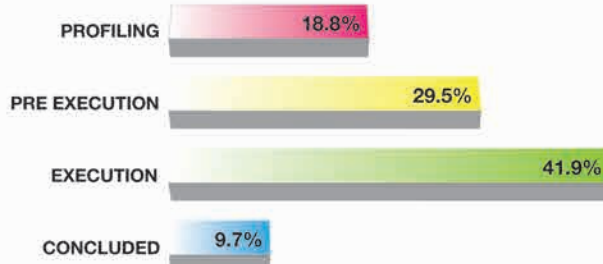
Total Number of project

Percentage by stage



Investment

Percentage by stage



COSIPLAN Project Portfolio 2012

As of September 2012, COSIPLAN had set up a portfolio of 544 integration infrastructure projects in the transport, energy and communications sectors, for an estimated investment of US\$130,139.1 million¹, as detailed below:

General Aspects of COSIPLAN Project Portfolio by Hub

Hub	No. of Groups	Projects		Estimated Investment	
		Number	%	US\$ million ^(*)	%
Amazon Hub	7	64	11.7	8,867.6	6.8
Andean Hub	10	64	11.7	8,692.4	6.7
Capricorn Hub	5	80	14.6	11,959.1	9.2
Guianese Shield Hub	4	18	3.3	4,465.4	3.4
Paraguay-Paraná Waterway Hub	5	94	17.2	8,460.7	6.5
Central Interoceanic Hub	5	61	11.2	5,209.2	4.0
MERCOSUR-Chile Hub	6	113	20.8	50,974.4	39.2
Peru-Brazil-Bolivia Hub	3	25	4.6	28,878.7	22.1
Southern Hub	2	27	4.9	2,817.0	2.1
TOTAL ^(**)	47	544	100.0	130,139.1	100.0

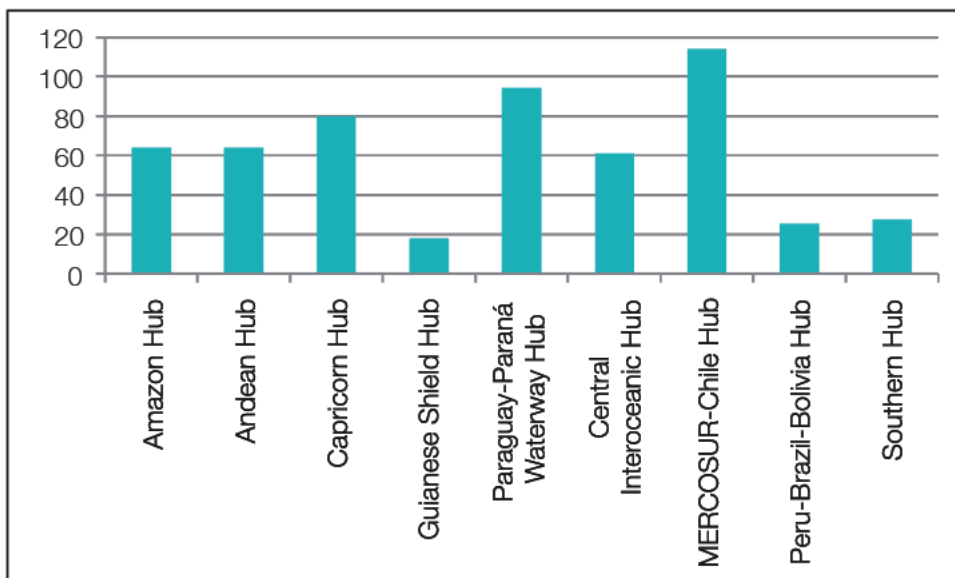
Notas:

(*) Investments in two existing projects have not been included as they were mostly made before IIRSA was launched. These projects are: "Road Corridor Connecting Santa Marta - Paraguachón - Maracaibo - Barquisimeto - Acarigua," in the Andean Hub, and "Itaipu System," in the MERCOSUR-Chile Hub.

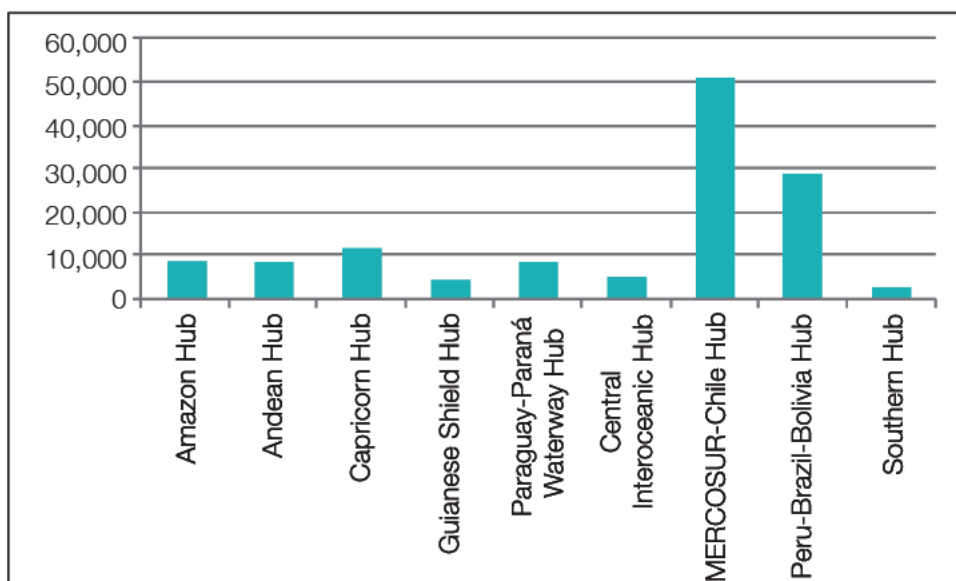
(**) The total in the Number of Projects and Estimated Investment columns do not match the arithmetic sum of the totals by Hub due to the existence of two hinge projects: (i) "Pircas Negras Border Crossing," belonging in the Capricorn and MERCOSUR-Chile Hubs, (ii) "Paving of the Potosí - Tupiza - Villazón road" belonging in the Capricorn and Central Interoceanic Hubs

¹ All the tables in this section and in the following section, in which COSIPLAN Portfolio is analyzed by Hub, were drawn from Database as of September 10, 2012.

COSIPLAN Number of Projects by Hub



COSIPLAN Estimated Investment by Hub



PROJECT LIFECYCLE

The progress attained by the COSIPLAN Project Portfolio 2012 in terms of the stage at which the projects are at present is presented in the following table:

COSIPLAN Project Portfolio by Progress Attained

EID	Profiling (**)	Pre-execution (***)	Execution	Concluded	Total
Amazon Hub	25	15	20	4	64
Andean Hub	21	7	22	14	64
Capricorn Hub	16	37	17	10	80
Guianese Shield Hub	7	2	5	4	18
Paraguay-Paraná Waterway Hub	34	29	23	8	94
Central Interoceanic Hub	10	15	26	10	61
MERCOSUR-Chile Hub	36	25	36	16	113
Peru-Brazil-Bolivia Hub	6	7	10	2	25
Southern Hub	6	5	10	6	27
TOTAL (*)	160	142	168	74	544

Note:

(*)The total in the Number of Projects and Estimated Investment columns do not match the arithmetic sum of the totals by Hub due to the existence of two hinge projects: (i) "Pircas Negras Border Crossing," belonging in the Capricorn and MERCOSUR-Chile Hubs, (ii) "Construction of the Cascavel - Foz do Iguaçu Railway," belonging in the Capricorn and Paraguay-Paraná Waterway Hubs

(**) Includes projects in a very early, preliminary phase or in the concept stage.

(***) Includes the pre-feasibility, feasibility and investment phases.

COSIPLAN Project Portfolio by Progress Attained in the Execution and by Sector

	Number of Projects					Estimated Investment	
	Transport	Energy	Communications	TOTAL	%	US\$ million	%
Profiling ^(*)	135	18	7	160	29.4	24,512.8	18.9
Pre-execution ^(**)	130	12	0	142	26.1	38,397.0	29.5
Execution	153	13	2	168	30.9	54,578.9	41.9
Concluded	56	17	1	74	13.6	12,650.4	9.7
TOTAL	474	60	10	544	100.0	130,139.1	100.0

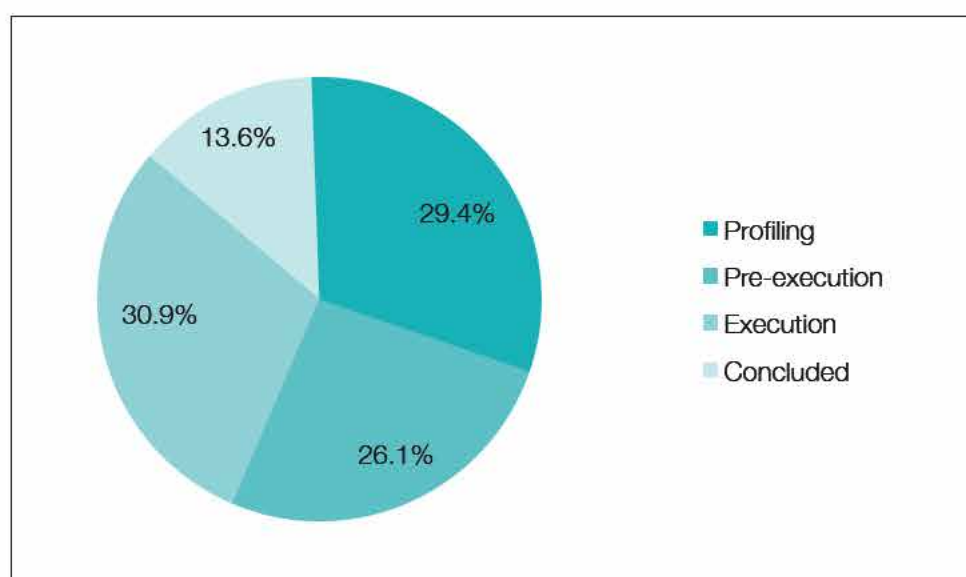
Notes:

(*) Includes projects in a very early, preliminary phase or in the concept stage.

(**) Includes the pre-feasibility, feasibility and investment phases.

As inferred from the table above, 70.6% of the projects within the COSIPLAN Portfolio 2012 has made significant progress: 13.6% of the projects (US\$12,650.4 million) has been concluded; 30.9% (US\$54,578.9 million) is being executed, and 26.1% (US\$38,397 million) is in the preparatory (pre-execution) stage. Moreover, the remaining 29.4% of the COSIPLAN Project Portfolio demands technical, economic-financial, environmental, and institutional feasibility studies to be initiated in order to enter the pre-execution stage.

COSIPLAN Project Portfolio by Progress Attained



SECTOR-BASED BREAKDOWN

The figures and tables below show the sector-based breakdown of the COSIPLAN Project Portfolio and the estimated investments:

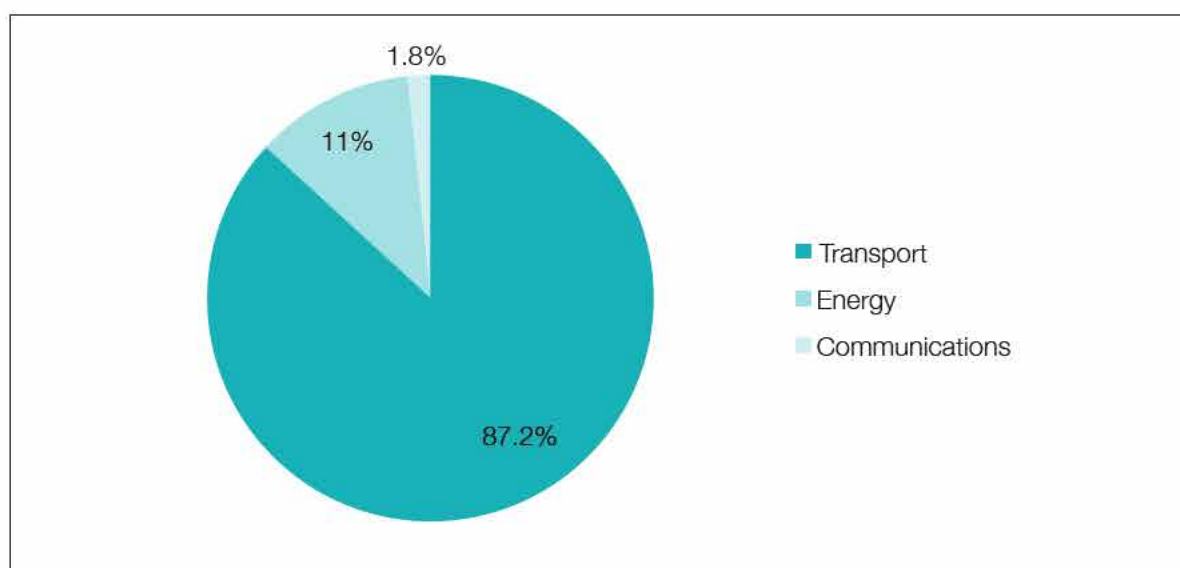
Sector-based Breakdown of the COSIPLAN Project Portfolio, by Hub

Hub	Transport				Energy			
	Project		Estimated Investment ⁽¹⁾		Project		Estimated Investment	
	No.	%	US\$ million	%	No.	%	US\$ million	%
Amazon Hub	58	12.2	8,846.4	10.9	5	8.3	18.1	0.0
Andean Hub	49	10.3	6,961.7	8.6	13	21.7	1,730.6	3.5
Capricorn Hub	76	16.0	10,219.1	12.6	4	6.7	1,740.0	3.5
Guianese Shield Hub	15	3.1	4,462.4	5.5	2	3.3	3.0	0.0
Paraguay-Paraná Waterway Hub	84	17.6	7,054.8	8.7	7	11.7	1,369.0	2.8
Central Interoceanic Hub	57	11.9	4,882.9	6.0	2	3.3	321.8	0.7
MERCOSUR-Chile Hub	94	19.9	32,394.2	40.3	18	30.0	18,580.1	37.5
Peru-Brazil-Bolivia Hub	19	4.0	3,609.1	4.5	6	10.0	25,269.6	51.1
Southern Hub	24	5.0	2,367.0	2.9	3	5.0	450.0	0.9
TOTAL	474	100.0	80,612.2	100.0	60	100.0	49,482.2	100.0

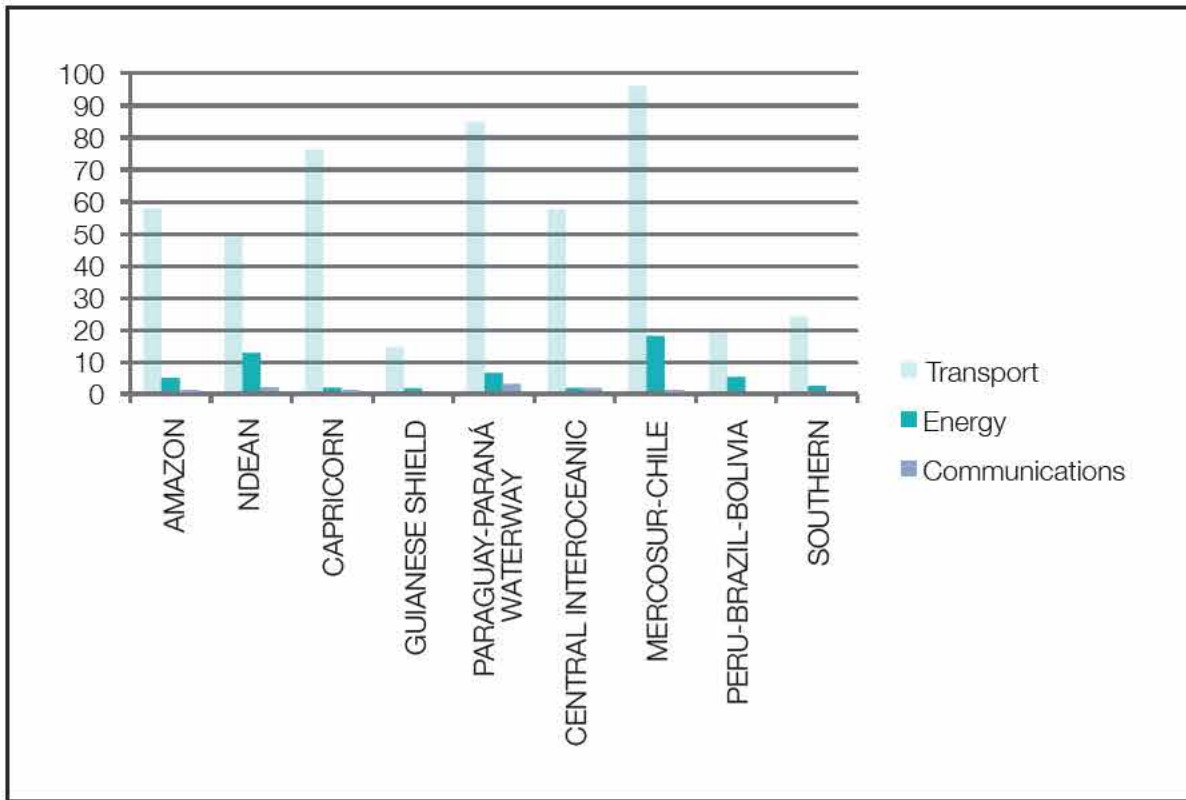
Hub	Communications				Total			
	Project		Estimated Investment		Project		Estimated Investment (*)	
	No.	%	US\$ million	%	No.	%	US\$ million	%
Amazon Hub	1	10.0	3.1	7.0	64	11.7	8,867.6	6.8
Andean Hub	2	20.0	0.1	0.2	64	11.7	8,692.4	6.6
Capricorn Hub	0	0.0	0.0	0.0	80	14.6	11,959.1	9.2
Guianese Shield Hub	1	10.0	0.0	0.0	18	3.3	4,465.4	3.4
Paraguay-Paraná Waterway Hub	3	30.0	37.0	82.7	94	17.2	8,460.7	6.5
Central Interoceanic Hub	2	20.0	4.5	10.1	61	11.2	5,209.2	4.0
MERCOSUR-Chile Hub	1	10.0	0.0	0.0	113	20.8	50,974.4	39.2
Peru-Brazil-Bolivia Hub	0	0.0	0.0	0.0	25	4.6	28,878.7	22.1
Southern Hub	0	0.0	0.0	0.0	27	4.9	2,817.0	2.2
TOTAL	10	100.0	44.7	100.0	544	100.0	130,139.1	100.0

Note: (*) The arithmetic sum of the Transport and Total columns, in the case of both Number of Projects and Estimated Investment, do not match the sum of the totals by Hub due to the existence of two hinge projects: (i) "Pircas Negras Border Crossing," belonging in the Capricorn and MERCOSUR-Chile Hubs, (ii) "Construction of the Cascavel - Foz do Iguazu Railway," belonging in the Capricorn and Paraguay-Paraná Waterway Hubs

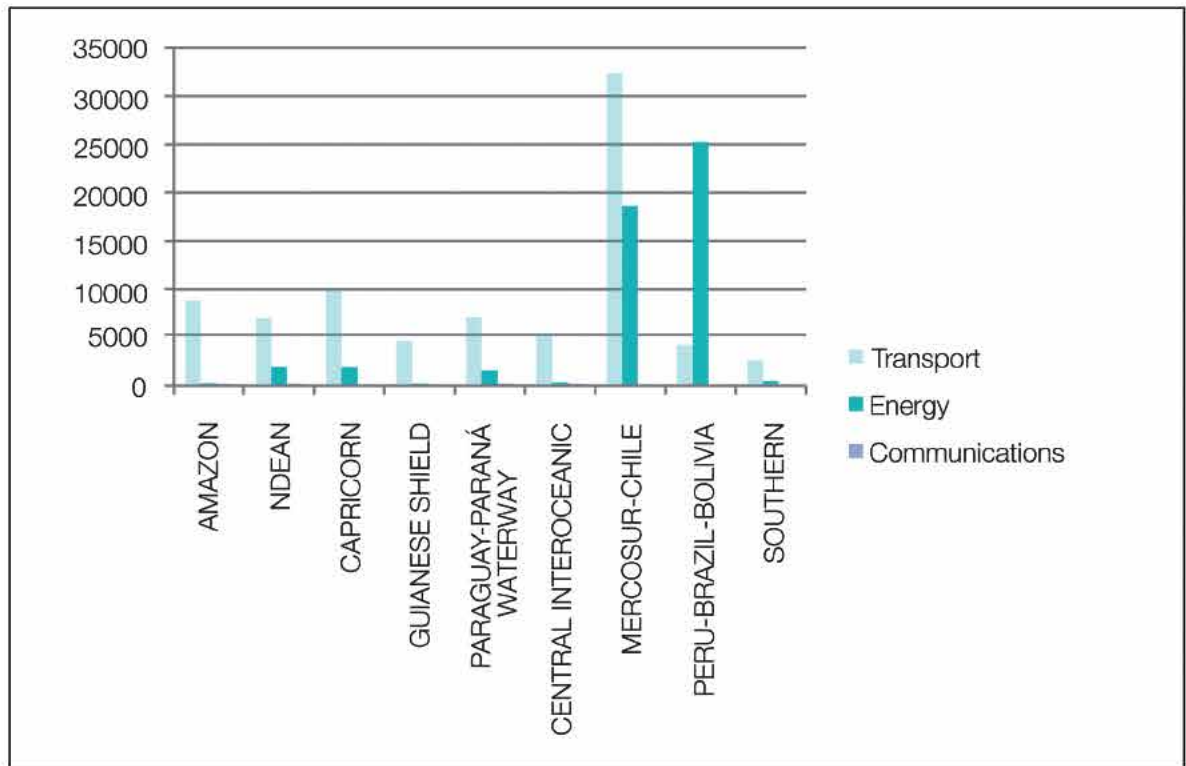
Sector-based Breakdown of the COSIPLAN Project Portfolio (No. of projects)



**Sector-based Breakdown of the COSIPLAN Project Portfolio, by Hub
(No. of projects)**



**Sector-based Breakdown of the COSIPLAN Project Portfolio, by Hub
(US\$ million)**



The data associated with the subsectors within the COSIPLAN Project Portfolio reveal the following relative structure:

Sector/Subsector-based Breakdown of the COSIPLAN Project Portfolio

Subsector	Transport		Energy		Communications	
	Number of Projects	Estimated Investment (US\$ million)	Number of Projects	Estimated Investment (US\$ million)	Number of Projects	Estimated Investment (US\$ million)
Air	27	3,372.0				
Road	225	49,281.7				
Railway	61	14,159.1				
River	74	4,071.9				
Sea	32	8,523.8				
Multimodal	14	505.6				
Border crossings	41	698.1				
Energy regulatory harmonization			1	0.0		
Energy generation			26	37,934.3		
Energy interconnection			33	11,547.9		
Communication interconnection					10	44.7
TOTAL	474	80,612.2	60	49,482.2	10	44.7

The tables and figures above show that 87.2% of the projects included in the COSIPLAN Portfolio are targeted at the transport sector, within which road projects prevail, accounting for 47.4% of the total projects in the sector. As for energy projects, even though they represent only 11% of COSIPLAN Portfolio, they involve substantial investments (about 38% of the total investment in the Portfolio).

PROJECT TYPOLOGY

TRANSPORT SECTOR

The transport sector-based analysis of COSIPLAN Portfolio reveals the following major project typologies:

Air Transport

Project Typology	Projects		Estimated Investment	
	Number	%	US\$ million	%
Refitting of airports	6	22.3	70.1	2.0
New airports	10	37.0	403.3	12.0
Extension of airports	11	40.7	2,898.6	86.0
TOTAL	27	100.0	3,372.0	100.0

As shown in the table above, 40.7% of air transport projects focus on the extension of airports, followed by new airport construction projects, accounting for 37% of the total, and finally by airport refitting projects (22.3%).

Road Transport

Project Typology	Projects		Estimated Investment	
	Number	%	US\$ million	%
Extension of the road capacity	55	24.4	19,563.7	39.7
Refitting of road and structures	60	26.7	8,984.2	18.2
Paving (new work)	66	29.3	8,053.0	16.3
Bridges (new ones and refitting)	25	11.1	2,047.2	4.2
Road by-pass and access to cities	15	6.7	8,243.5	16.7
Tunnels (new ones and refitting)	2	0.9	1,850.0	3.8
Road maintenance	2	0.9	540.1	1.1
TOTAL	225	100.0	49,281.7	100.0

The table above shows that new paving works are predominant among road transport projects and account for 29.3% of these, followed by refitting of road and structures, representing 26.7%, and by extension of the road capacity (24.4%).

Railway Transport

Project Typology	Projects		Estimated Investment	
	Number	%	US\$ million	%
Building of railways	21	34.5	5,005.3	35.4
Refitting of railways	34	55.7	8,529.1	60.2
Railway by-pass	6	9.8	624.7	4.4
TOTAL	61	100.0	14,159.1	100.0

This information clearly shows that of all railway projects, the COSIPLAN Portfolio prioritizes those concerned with the refitting of railways, which account for 55.7% of the total, followed by rail tracks construction works, representing 34.5% of these type of projects.

River Transport

Project Typology	Projects		Estimated Investment	
	Number	%	US\$ million	%
Improvement of river navigability	33	44.6	3,285.0	80.7
Building of new river ports	7	9.5	349.0	8.6
Refitting of the existing river ports	34	45.9	437.9	10.7
TOTAL	74	100.0	4,071.9	100.0

It follows from the table above that river transport projects involve basic upgrade works at existing river ports as well as the improvement of river navigation conditions, both of which account for 90.5% of the total, the remaining 9.5% being new river ports construction projects.

Sea Transport

Project Typology	Projects		Estimated Investment	
	Number	%	US\$ million	%
New sea ports	3	9.4	70.0	0.8
Extension of the road infrastructure in maritime ports	20	62.5	6,319.5	74.1
Refitting of sea ports	9	28.1	2,134.3	25.1
TOTAL	32	100.0	8,523.8	100.0

As can be observed Extension of the road infrastructure in maritime ports projects, with 62.5% of the total, prevail among sea transport projects, while refitting of sea ports works and new sea ports construction projects account for the remaining 37.5%.

Multimodal Transport

Project Typology	Projects		Estimated Investment	
	Number	%	US\$ million	%
Transfer stations	12	85.7	302.8	59.9
Multimodal transportation	2	14.3	202.8	40.1
TOTAL	14	100.0	505.6	100.0

As regards multimodal transport projects, they can be broken down into two types, as detailed in the table below, between which those related to transfer stations stand out, with 85.7% of the total.

Border Crossing

Project Typology	Projects		Estimated Investment	
	Number	%	US\$ million	%
Infrastructure for the setting up of border control centers	31	75.6	293.4	42.0
Refitting of existing infrastructure in border control centers	3	7.3	15.0	2.2
Extension of infrastructure and capacity of border control centers	7	17.1	389.7	55.8
TOTAL	41	100.0	698.1	100.0

The most important works in terms of the number of border crossing projects involve the development of infrastructure for new border control centers, which represent 75.6% of the total, while the remaining 24.4% are projects to upgrade existing infrastructure as well as to enlarge the infrastructure/capacity of border control centers.

ENERGY SECTOR

The energy sector-based analysis of the COSIPLAN Portfolio reveals the following major project typologies:

Energy Regulatory Harmonization

Project Typology	Projects		Estimated Investment	
	Number	%	US\$ million	%
Harmonization of energy rules	1	100.0	0.0	100.0
TOTAL	1	100.0	0.0	100.0

As can be seen in the table above, only one energy regulations harmonization project, aimed at standardizing energy rules and regulations, has been included in the COSIPLAN Portfolio.

Power Generation Project Typology

Project Typology	Projects		Estimated Investment	
	Number	%	US\$ million	%
Hydroelectric plants (new ones and refitting) – microcentrals	15	57.7	32,417.5	85.5
Thermoelectric plants	4	15.4	1,820.0	4.8
Carboelectric plants	1	3.8	625.0	1.6
Generation by means of nuclear power	2	7.7	1,740.0	4.6
Other energy infrastructure	4	15.4	1,331.8	3.5
TOTAL	26	100.0	37,934.3	100.0

Among power generation projects, hydroelectric projects are given priority, accounting for 57.7% of the total projects of this type.

Power Interconnection

Project Typology	Projects		Estimated Investment	
	Number	%	US\$ million	%
Building of new power interconnections	32	97.0	11,422.7	98.9
Refitting of power interconnections	1	3.0	125.2	1.1
TOTAL	33	100.0	11,547.9	100.0

The table above shows that the construction of new power interconnections accounts for 97% of these projects, the remaining 3% being projects aimed at refitting this kind of infrastructure.

COMMUNICATIONS SECTOR

The communications sector-based analysis of the COSIPLAN Portfolio reveals the following two project typologies:

Communications Interconnection

Project Typology	Projects		Estimated Investment	
	Number	%	US\$ million	%
Optical fiber	9	90.0	44.6	99.8
Telecommunications networks	1	10.0	0.1	0.2
TOTAL	10	100.0	44.7	100.0

It follows from the table above that optical fiber-related projects prevail among the communications sector projects included in the COSIPLAN Portfolio, accounting for 90% of the total.

SCOPE AND FINANCING OF THE PROJECTS

The COSIPLAN Project Portfolio is made up of national, binational, tri-national and multinational projects, as detailed below:

Scope of the Projects

Scope	Projects		Estimated Investment	
	Number	%	US\$ million	%
National	445	81.8	102,340.3	78.7
Binational	89	16.3	26,965.8	20.7
Tri-national	7	1.3	832.9	0.6
Multinational (*)	3	0.6	0.1	0.0
TOTAL	544	100.0	130,139.1	100.0

Note: (*) Multinational projects are projects in which four or more countries are involved.

The data in the table above clearly shows that 81.8% of the projects in the COSIPLAN Portfolio falls within the national scope, although in most cases they are associated with the completion, improvement, or reconditioning of infrastructure for the integration of the countries concerned. As for the rest of the projects, 16.3% are binational, 1.3% involve three countries, and only 0.6% are projects in which four or more countries participate.

Characterization of Projects by Financing Source

	Private		Public		Public/Private	
	Number of Projects	Estimated Investment (US\$ million)	Number of Projects	Estimated Investment (US\$ million)	Number of Projects	Estimated Investment (US\$ million)
Transport	59	13,958.5	353	53,786.4	62	12,867.3
Energy	7	3,435.0	39	11,523.2	14	34,524.0
Communications	2	0.1	7	42.6	1	2.0
TOTAL	68	17,393.6	399	65,352.2	77	47,393.3
%	12.5	13.4	73.3	50.2	14.2	36.4

Finally, with respect to the characterization of projects according to their financing source, it becomes evident that 73.3% of the COSIPLAN Portfolio is made up of projects financed by the public sector, accounting for an estimated 50.2% of the total investment in the Portfolio.

STRATEGIC STRUCTURING: ANCHOR PROJECTS

As a result of the Portfolio structuring process, the twelve countries have identified fifty-two projects that uphold the groups designed and encourage the sustainable economic development of their areas of influence (Anchor Projects), as described below:

Anchor Projects of the COSIPLAN Project Portfolio by Hub

Hub/ Group	Anchor Project	Estimated Investment (US\$ million)	Financing Source	Scope	Sector	Project Stage
Amazon Hub						
1	Tumaco - Pasto - Mocoa - Puerto Asís Road Corridor (CO)	373.0	Public	National	Transport	Execution
2	Providencia Port (EC)	25.0	Public	National	Transport	Pre-execution
3	Tarapoto - Yurimaguas Road and Yurimaguas Port (PE)	275.4	Public/ Private	National	Transport	Execution
4	Tingo María - Pucallpa Road and Pucallpa Port (PE)	416.8	Public/ Private	National	Transport	Pre-execution
5	Cuiabá - Santarém Road (BR-163 / MT / PA) (BR)	700.0	Public	National	Transport	Execution
6	Improvement of Navigation Conditions in the Solimões - Amazon Rivers System (BR)	80.0	Public	National	Transport	Execution
6	Environmental and Social Aspects of the High Basins of the Amazon Rivers (CO - EC - PE)	0.6	Public/ Private	Tri-national	Transport	Pre-execution
7	Morona Freight Transfer Port (EC)	5.0	Public	National	Transport	Profiling
	SUBTOTAL	1,875.8				
Andean Hub						
1	Road Corridor Connecting Santa Marta - Paraguachón - Maracaibo - Barquisimeto - Acarigua (CO - VE) ⁽¹⁾	492.9	Public/ Private	Binational	Transport	Execution
2	Improvement of the Border Crossings in the Northern Department of Santander and the Táchira State (CO - VE)	2.0	Public	Binational	Transport	Profiling
2	Implementation of the Binational Border Service Center (CEBAF) at the Tulcán - Ipiales (Rumichaca) Border Crossing, including Improvement of the Rumichaca Bridge (CO - EC)	65.0	Public	Binational	Transport	Pre-execution
3	Saravena Border Crossing (CO)	3.3	Public	National	Transport	Profiling
4	Puerto Gaitán - Puerto Carreño Multimodal Project, including Improvement of the Navigation Conditions on the Meta River (CO)	108.0	Public	National	Transport	Execution
5	Huaquillas - Aguas Verdes Binational Border Service Center (CEBAF) (EC - PE)	15.9	Public	Binational	Transport	Concluded

Andean Hub						
6	Binational Border Service Center (CEBAF) at San Miguel (CO - EC)	25.0	Public/ Private	Binational	Transport	Pre-execution
7	Paving of Vilcabamba - Puente de Integración (Integration Bridge) - Jaén (EC - PE)	259.3	Public	Binational	Transport	Execution
8	Desaguadero Binational Border Service Center (CEBAF) (BO - PE)	4.0	Public	Binational	Transport	Pre-execution
9	Harmonization of Electricity, Gas and Oil Regulations (BO - CO - EC - PE - VE)	0.0	Public	Multinational	Energy	Execution
10	Use of Existing Infrastructure and New Connections to Enhance Communications Infrastructure (BO - CO - EC - PE - VE)	0.1	Private	Multinational	Communications	Execution
SUBTOTAL		482.6				
Capricorn Hub						
1	Access Roads to Paso de Jama Border Crossing (National Route No. 52 - Intersection with National Route No. 9 - Border with Chile) (AR)	54.0	Public	National	Transport	Concluded
2	Construction of the Salvador Mazza - Yacuiba Binational Bridge and Border Center (AR - BO)	23.0	Public	Binational	Transport	Pre-execution
3	New Puerto Presidente Franco - Porto Meira Bridge, with a Paraguay - Brazil Border Center (BR - PY)	202.5	Public	Binational	Transport	Pre-execution
4	Optimization of the Ñeembucú - Bermejo Bridge Node (AR - PY)	61.2	Public	Binational	Transport	Pre-execution
5	Multimodal Transfer Center in Tucumán (AR)	20.0	Public	National	Transport	Pre-execution
SUBTOTAL		360.7				
Guianese Shield Hub						
1	Rehabilitation of the Caracas - Manaus Road (BR - VE)	350.0	Public	Binational	Transport	Execution
2	Boa Vista - Bonfim - Lethem - Linden - Georgetown Road (BR - GU)	250.0	Public/ Private	Binational	Transport	Pre-execution
3	Routes Interconnecting Venezuela (Ciudad Guayana) - Guyana (Georgetown) - Suriname (Apura - Zanderij - Paramaribo) (GU - SU - VE)	300.8	Public	Tri-national	Transport	Execution
4	Improvement of the Georgetown - Albina Road, and of the Section Ferreira Gomes - Oyapock of the Macapá - Oyapock Road (BR - GU - SU)	350.1	Public	Tri-national	Transport	Execution
SUBTOTAL		1,250.9				

Hub/ Group	Anchor Project	Estimated Investment (US\$ million)	Financing Source	Scope	Sector	Project Stage
Paraguay-Paraná Waterway Hub						
1	Improvement of Navigation Conditions on the Paraguay River (Asunción - Apa) (PY)	88.2	Public	National	Transport	Pre-execution
2	Itaipu Diversion Binational Project (BR - PY)	0.0	Public/ Private	Binational	Transport	Pre-execution
3	Binational Project for the Improvement of the Navigation Conditions on the Paraná and Paraguay Rivers, between Santa Fe and Asunción (AR - PY)	45.4	Public	Binational	Transport	Execution
4	Binational Project for the Improvement of Navigation Conditions on the Alto Paraná River (AR - PY)	0.0	Public	Binational	Transport	Profiling
5	Binational Project for the Improvement of Navigation Conditions on the Uruguay River (AR - UY)	40.0	Public	Binational	Transport	Execution
SUBTOTAL		173.6				
Central Interoceanic Hub						
1	Paving of the Carmelo Peralta - Loma Plata Road Section (PY)	127.5	Public	National	Transport	Pre-execution
1	Construction of the Carmelo Peralta (Paraguay) - Porto Murtinho (Brazil) International Bridge (BR - PY)	150.0	Public	Binational	Transport	Profiling
2	São Paulo Ring Railway (BR)	1.7	Public/ Private	National	Transport	Pre-execution
3	Construction of Pailón - San José - Puerto Suárez Road (BO)	409.0	Public	National	Transport	Execution
4	Concepción - Brazilian Border (San Matías) Road (BO)	264.0	Public/ Private	National	Transport	Pre-execution
5	Rehabilitation of El Sillar Road Section (BO)	122.5	Public	National	Transport	Pre-execution
SUBTOTAL		1,074.7				
MERCOSUR-Chile Hub						
1	Upgrade of National Route No. 14 to a Four-lane Road, between Paso de los Libres and Gualeguaychú (AR)	780.0	Public	National	Transport	Execution
2	Upgrade Works of the Río Branco - Montevideo - Colonia - Nueva Palmira Road Corridor (Routes No. 1, 11, 8, 17, 18 and 26, Routes No. 23 and 12) (UY)	246.2	Public/ Private	National	Transport	Execution
3	Railway Project between Los Andes, Chile and Mendoza, Argentina (Central Trans-Andean Railway) (AR - CH)	5,100.0	Private	Binational	Transport	Pre-execution

Hub/ Group	Anchor Project	Estimated Investment (US\$ million)	Financing Source	Scope	Sector	Project Stage
4	Rehabilitation and Upgrade of National Route No. 168 to a Four-lane Road from Paraná (Underwater Road Tunnel) to Santa Fe (AR)	40.0	Public	National	Transport	Concluded
5	Itaipu System (Existing) (BR - PY) (*)	16,000.0	Public	Binational	Energy	Concluded
6	Paving of National Route No. 145, from Intersection with National Route No. 40 South to the Access to Pehuenche Border Crossing (AR)	63.0	Public	National	Transport	Execution
6	Paving of Puente Armerillo - Pehuenche Border Crossing Road Section (Route CH-115) (CH)	60.0	Public	National	Transport	Execution
SUBTOTAL		6,289.2				
Peru-Brazil-Bolivia Hub						
1	Paving of Iñapari - Puerto Maldonado - Inambari Road, and Inambari - Juliaca / Inambari - Cusco Roads (PE)	1,782.2	Private	National	Transport	Concluded
2	Guayamerín (Bolivia) - Guajará-Mirim (Brazil) International Bridge, over the Mamoré River (BO - BR)	75.0	Public	Binational	Transport	Pre-execution
3	Improvement of Navigation Conditions on the Madeira River, between Porto Velho and Guajará-Mirim (BR)	700.0	Public	National	Transport	Profiling
SUBTOTAL		2,557.2				
Southern Hub						
1	Implementation of Integrated Border Control in Pino Hachado Border Crossing (AR - CH)	8.0	Public	Binational	Transport	Concluded
2	Upgrade and Maintenance of the Interlagos Route in Chile (CH)	175.0	Public	National	Transport	Execution
2	Upgrade and Maintenance of the Interlagos Route in Argentina (AR)	200.0	Public	National	Transport	Execution
SUBTOTAL		383.0				
TOTAL		14,447.7				

Note: (*) Investments in this existing project are not included in the total estimated amount as they were mostly made before IIRSA was launched.

The table above shows that the countries defined 52 Anchor Projects totaling an estimated investment of US\$14,447.7. Priority is given to national, binational or tri-national infrastructure works associated with the transport sector (94.2% of all Anchor Projects) that represent either missing links or bottlenecks for current traffic demand. Furthermore, 40.4% of the Anchor Projects (21 projects) are in execution and 11.5% of them (6 projects) have already been concluded.

AMAZON HUB



Country members



Total Number of project: 64

Investment: 8,867.6
(US\$ million)

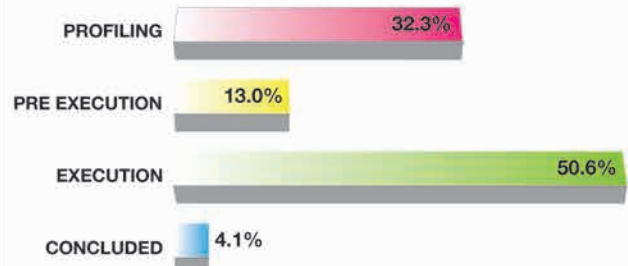
Total Number of project

percentage by stage

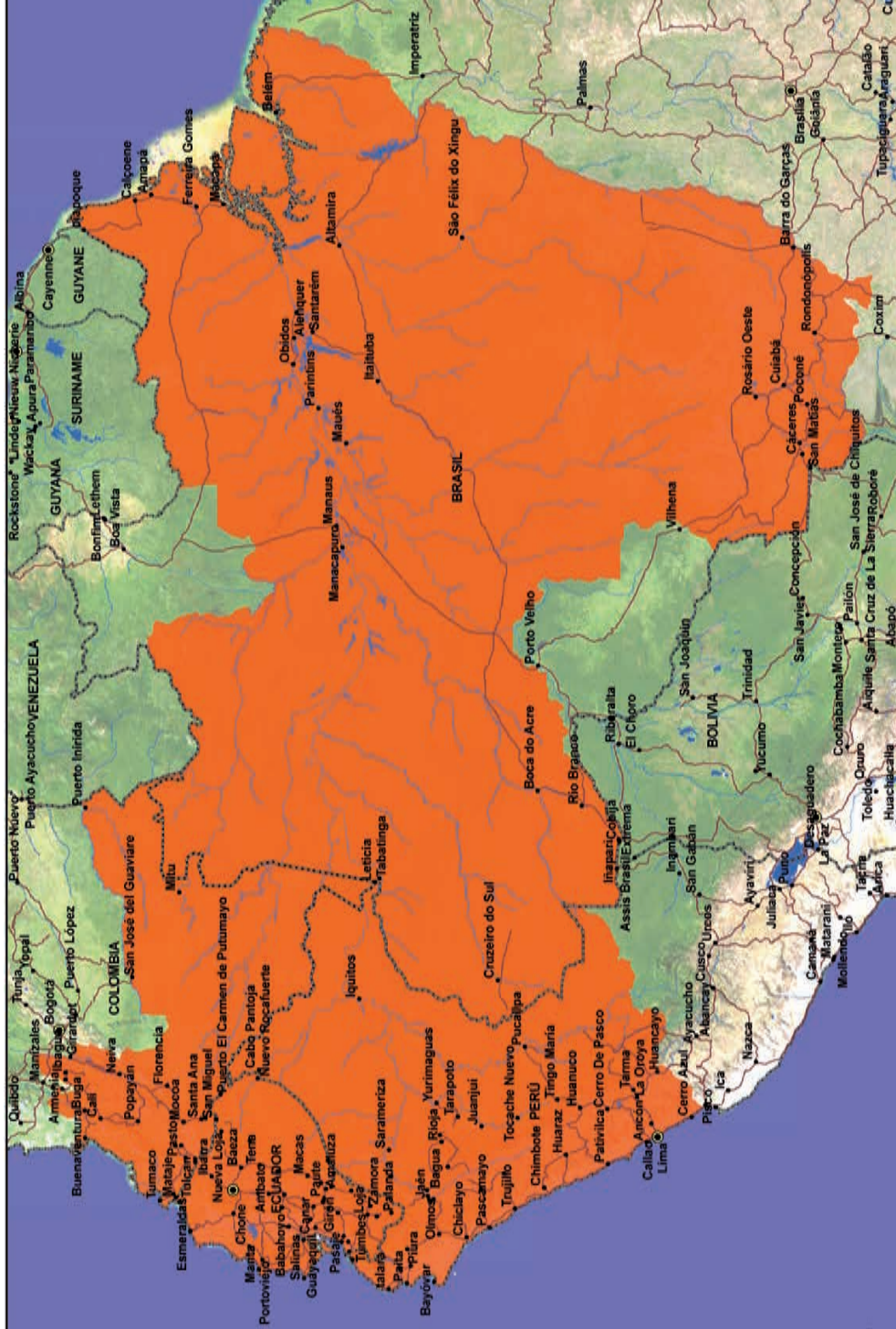


Investment

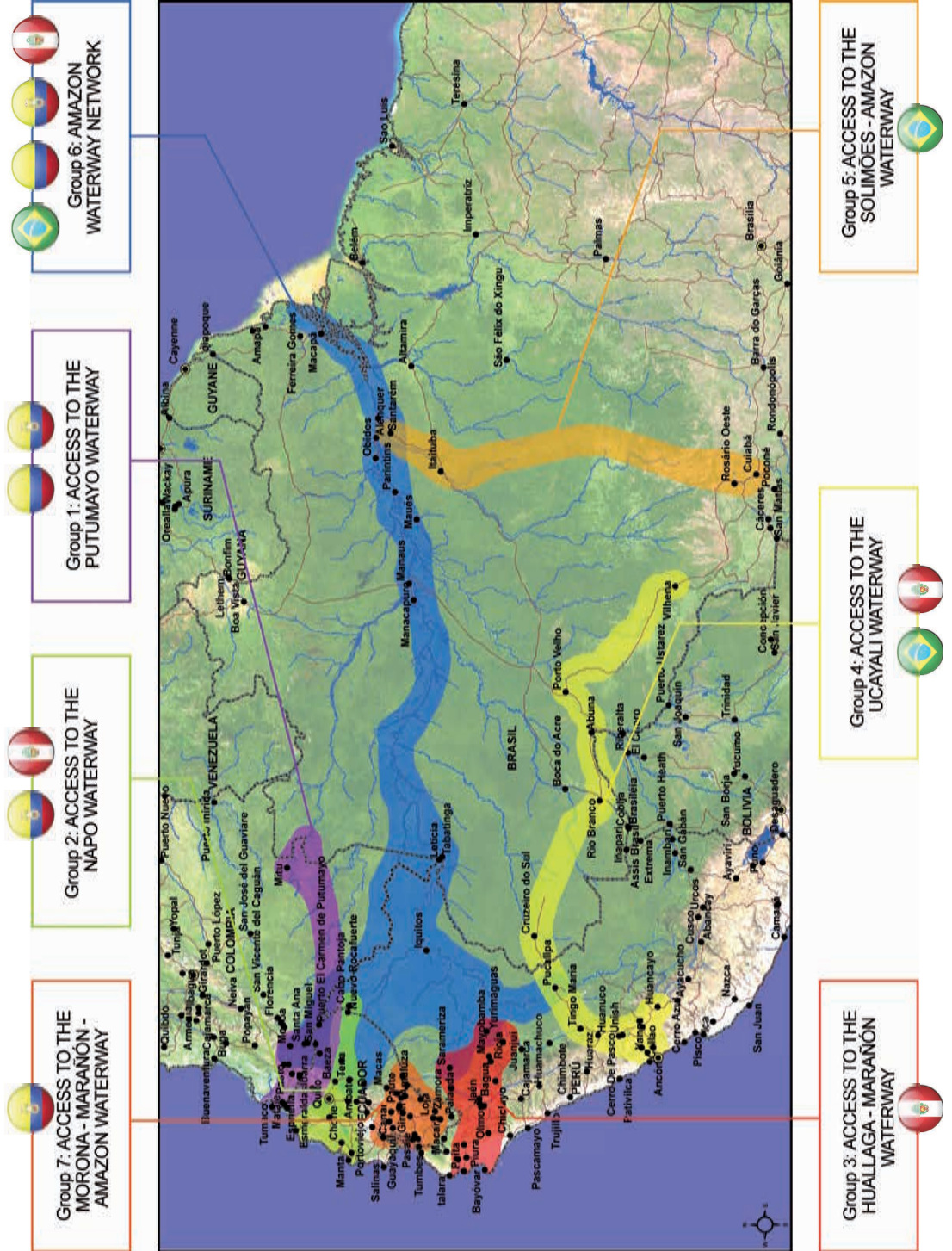
percentage by stage



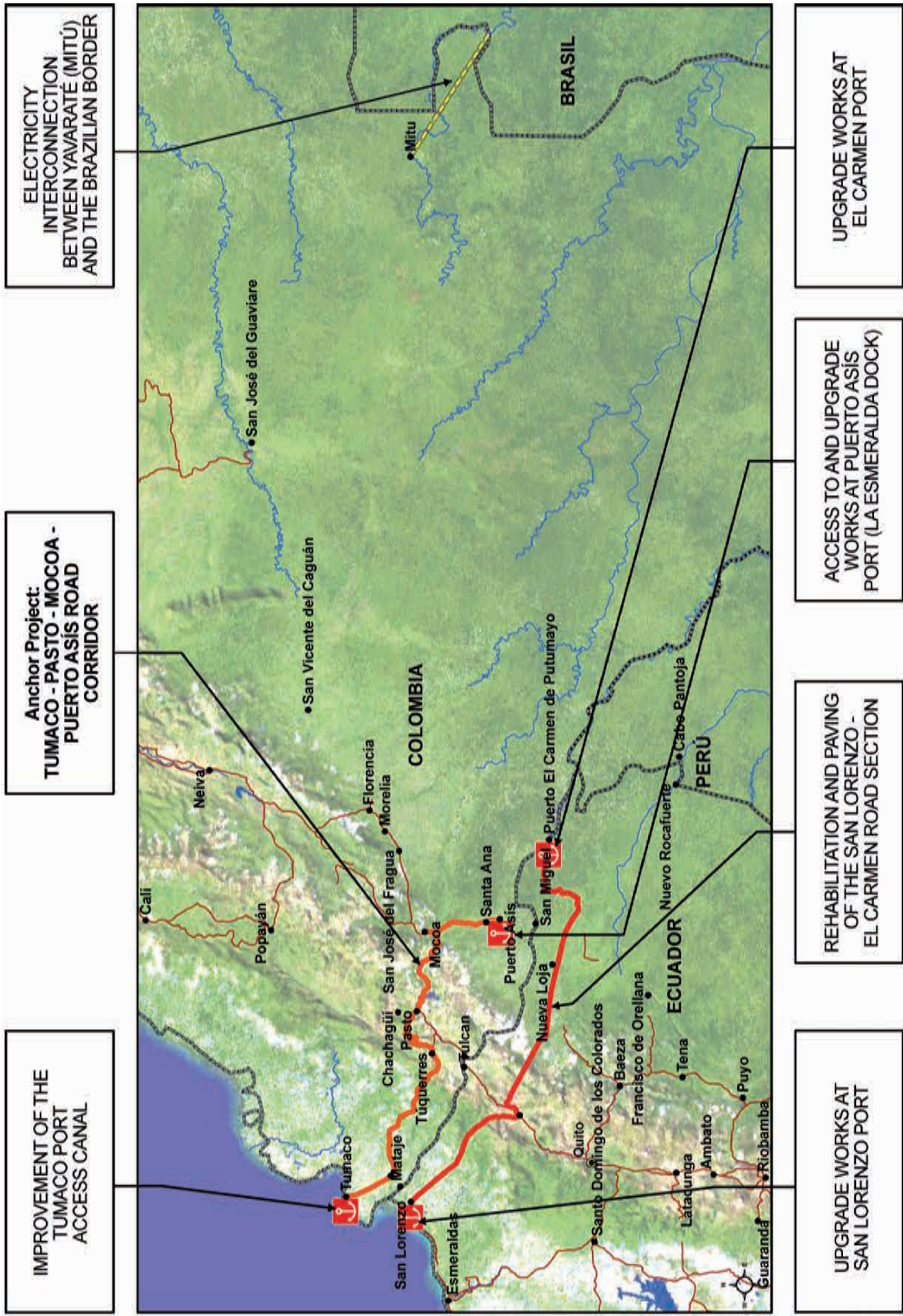
AREA OF INFLUENCE



PROJECT GROUPS



GROUP 1: ACCESS TO THE PUTUMAYO WATERWAY

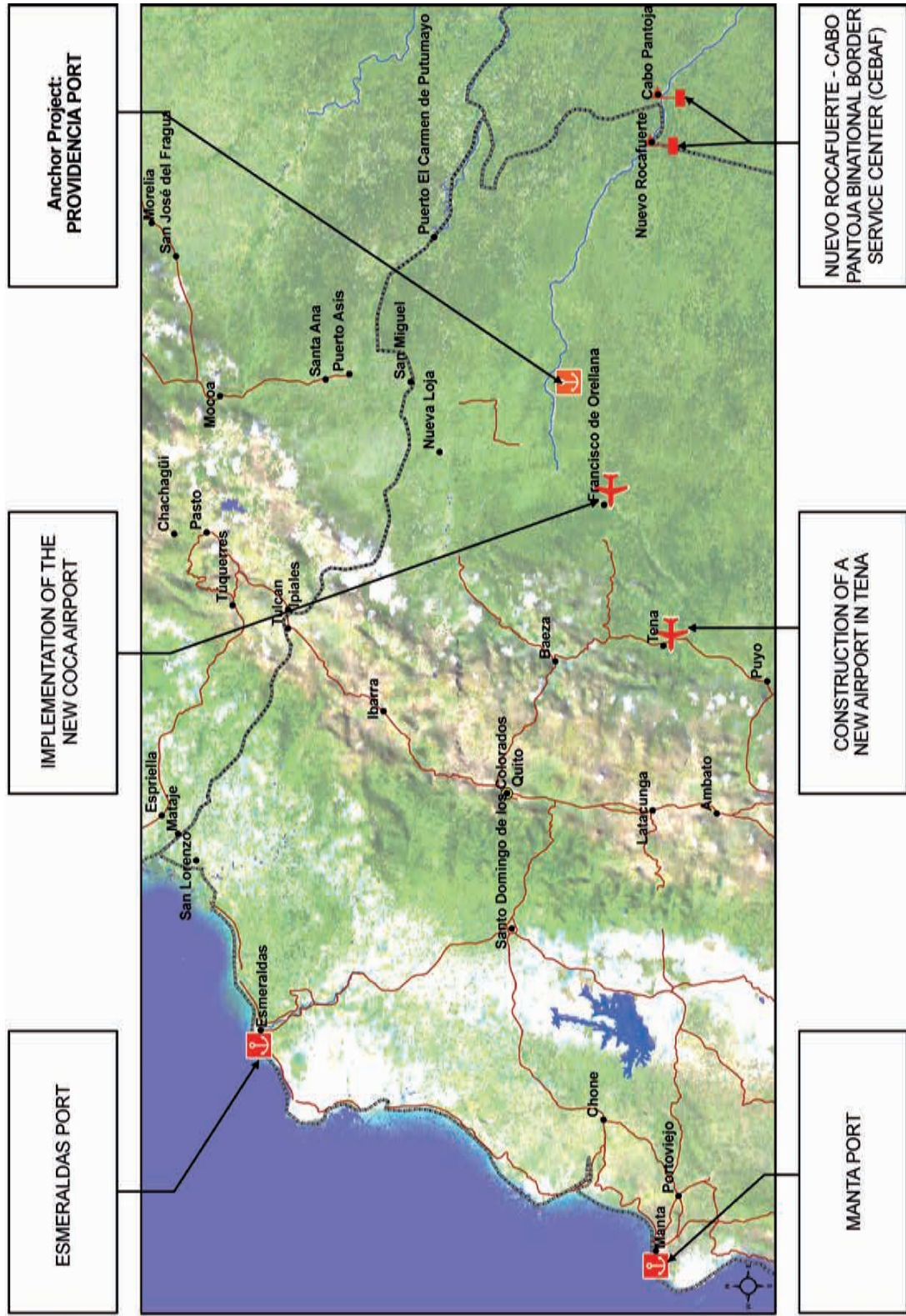


STRATEGIC FUNCTION

- Improve the logistics of national integration between production areas of the south of Colombia, department of Nariño, and the Amazon departments of Putumayo and Amazonas, and areas of northern Ecuador (especially the province of Sucumbíos)
- Improve the logistics of integration with Brazil and Peru
- Reinforce the interconnection of the continent's hinterlands with the Pacific Basin

Code	Amazon Hub: Group 1	Estimated Investment (US\$ million)
AMA01	Tumaco - Pasto - Mocoa - Puerto Asís Road Corridor (CO)	373.0
AMA03	Access to and Upgrade Works at Puerto Asís Port (La Esmeralda Dock) (CO)	3.0
AMA05	Upgrade Works at El Carmen Port (EC)	3.0
AMA06	Upgrade Works at San Lorenzo Port (EC)	6.0
AMA09	Rehabilitation and Paving of the San Lorenzo - El Carmen Road Section (EC)	76.0
AMA59	Improvement of the Tumaco Port access canal (CO)	5.0
AMA60	Electricity Interconnection between Yavaraté (Mitú) and the Brazilian Border (CO)	0.3
TOTAL		466.3

GROUP 2: ACCESS TO THE NAPO WATERWAY

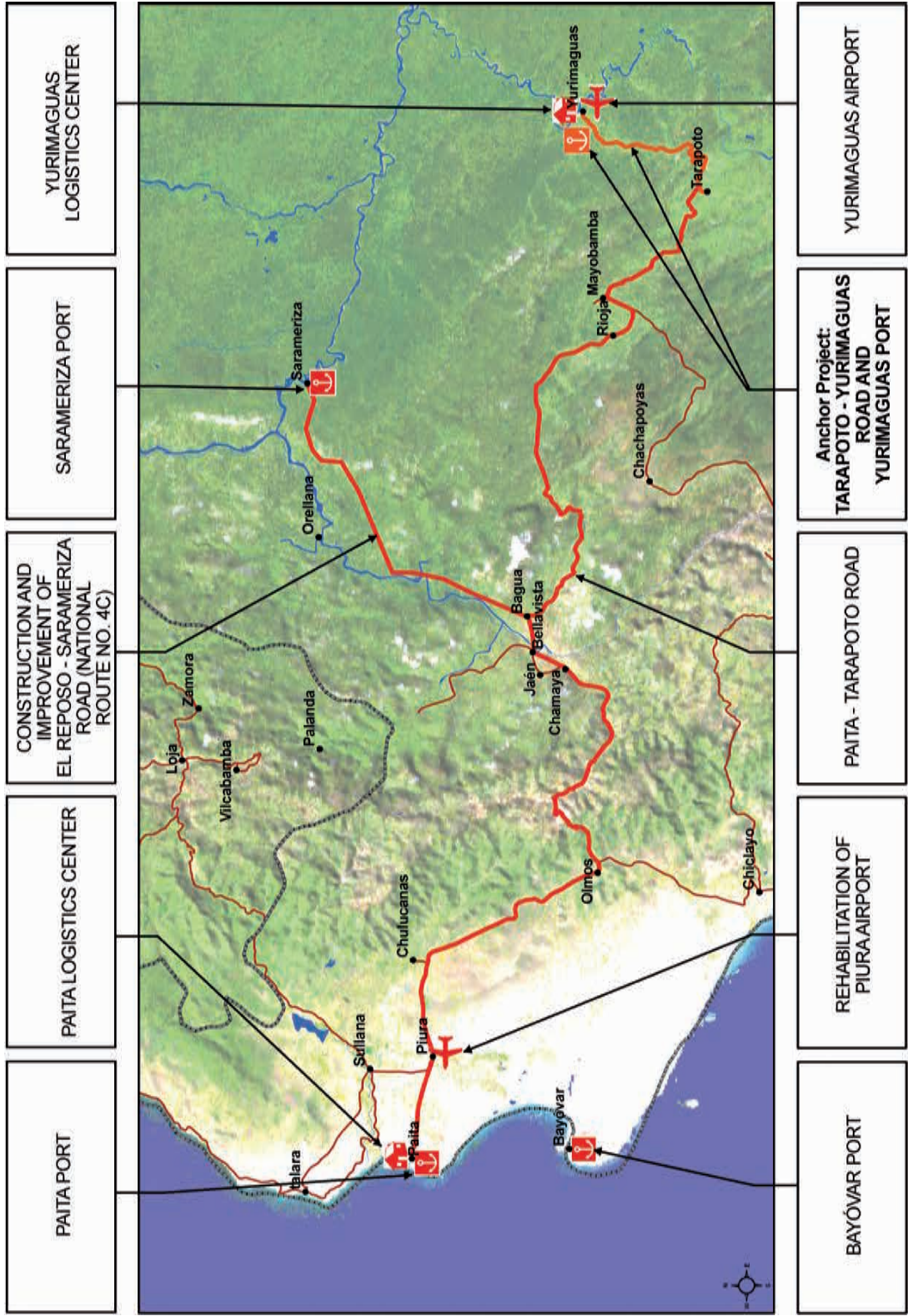


STRATEGIC FUNCTION

- Strengthen national Ecuadorian integration in the Amazon area, provinces of Napo and Orellana, with the sierras and coast in the central and northern part of the country, and consolidate the opportunity of having an Ecuadorian river for Amazon international integration towards Manaus
- Reinforce the interconnection of the continent's hinterlands with the Pacific Basin

Code	Amazon Hub: Group 2	Estimated Investment (US\$ million)
AMA11	Construction of a New Airport in Tena (EC)	46.0
AMA13	Nuevo Rocafuerte - Cabo Pantoja Binational Border Service Center (CEBAF) (EC - PE)	2.0
AMA14	Esmeraldas Port (EC)	0.0
AMA15	Manta Port (EC)	0.0
AMA61	Implementation of the New Coca Airport (EC)	60.0
AMA71	Providencia Port (EC)	25.0
	TOTAL	133.0

GROUP 3: ACCESS TO THE HUALLAGA - MARAÑÓN WATERWAY

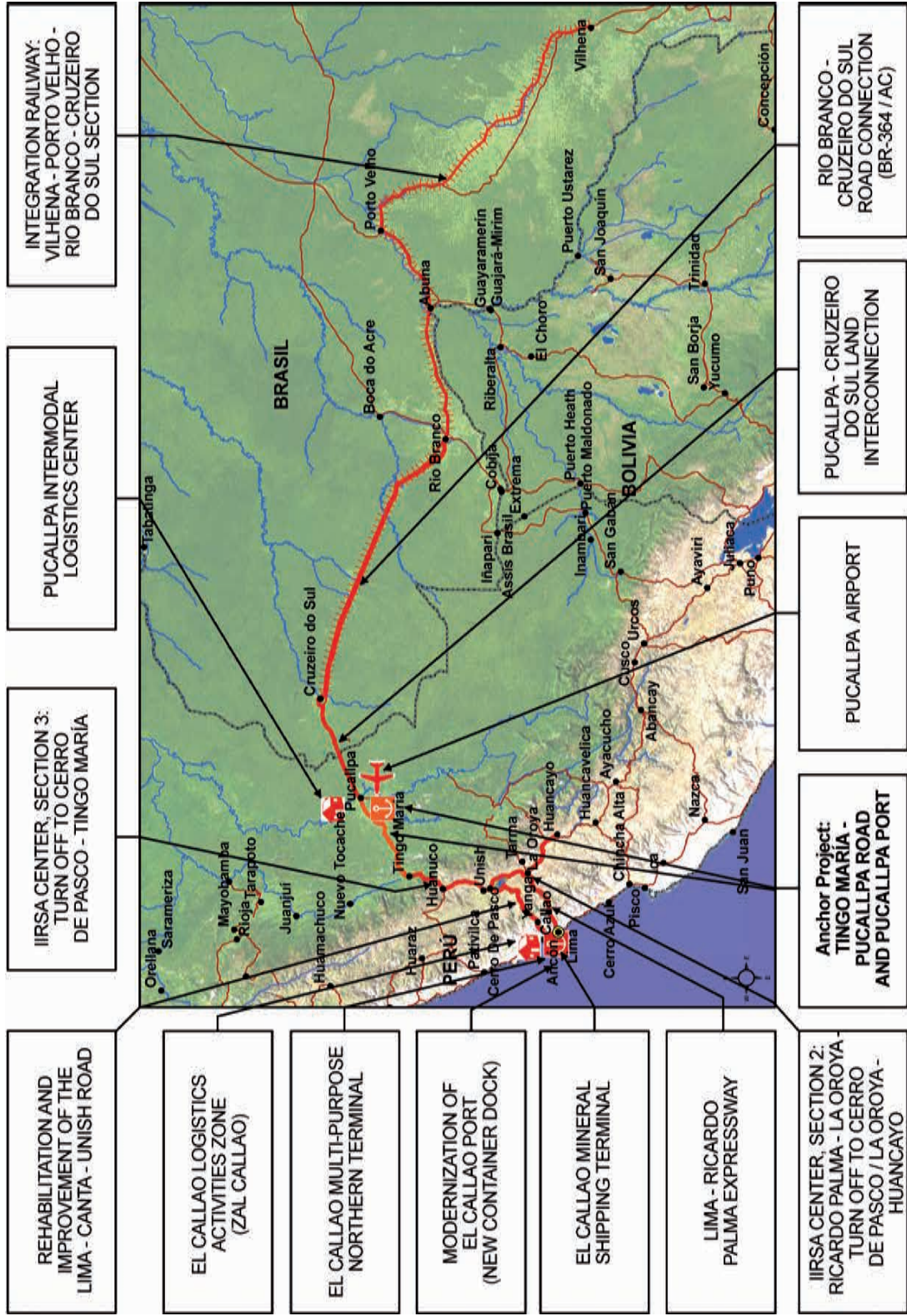


STRATEGIC FUNCTION

- Improve access logistics to the Huallaga and Marañón Waterways and their ports so as to consolidate the coast - sierra - rainforest integration corridor of the northern region of Peru and its regional complementarity with the state of Amazonas, Brazil
- Allow the articulation of this area with south and southeast Ecuador
- Reinforce the interconnection of the continent's hinterlands with the Pacific Basin

Code	Amazon Hub: Group 3	Estimated Investment (US\$ million)
AMA16	Tarapoto - Yurimaguas Road and Yurimaguas Port (PE)	275.4
AMA17	Rehabilitation of Piura Airport (PE)	7.2
AMA18	Yurimaguas Airport (PE)	15.8
AMA19	Construction and Improvement of El Reposo - Sarameriza Road (National Route No. 4C) (PE)	346.7
AMA20	Paita Logistics Center (PE)	47.0
AMA21	Yurimaguas Logistics Center (PE)	5.0
AMA22	Bayóvar Port (PE)	70.0
AMA23	Sarameriza Port (PE)	3.5
AMA24	Paita Port (PE)	227.0
AMA25	Paita - Tarapoto Road (PE)	273.7
	TOTAL	1,271.3

GROUP 4: ACCESS TO THE UCAYALI WATERWAY

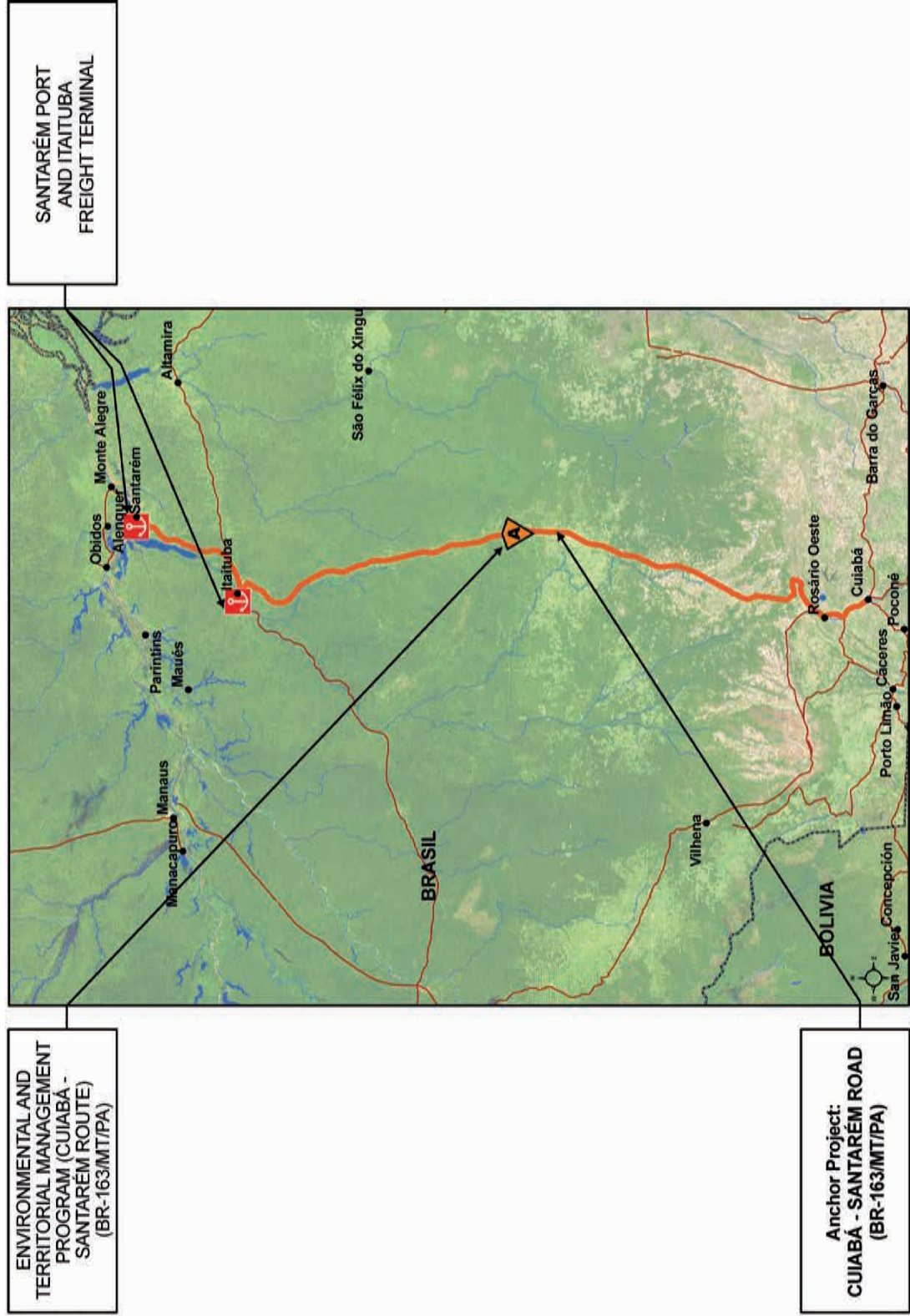


STRATEGIC FUNCTION

- Increase competitiveness of the coast - sierra - rainforest integration along the central corridor of the Peruvian territory, interconnecting the main urban/industrial center of the country, its central area and the states of Acre, Amazonas and Rondônia, Brazil
- Reinforce the interconnection of the continent's hinterlands with the Pacific Basin

Code	Amazon Hub: Group 4	Estimated Investment (US\$ million)
AMA26	Tingo María - Pucallpa Road and Pucallpa Port (PE)	416.8
AMA28	Pucallpa - Cruzeiro do Sul Land Interconnection (BR - PE)	0.0
AMA29	Pucallpa Airport (PE)	9.4
AMA30	Pucallpa Intermodal logistics center (PE)	5.0
AMA31	Modernization of El Callao Port (New Container Dock) (PE)	706.9
AMA32	Lima - Ricardo Palma Expressway (PE)	242.0
AMA55	Rio Branco - Cruzeiro do Sul Road Connection (BR-364 / AC) (BR)	573.0
AMA63	IIRSA Center, Section 2: Ricardo Palma - La Oroya - Turn off to Cerro de Pasco / La Oroya - Huancayo (PE)	100.0
AMA64	IIRSA Center, Section 3: Turn off to Cerro de Pasco - Tingo María (PE)	70.0
AMA65	El Callao logistics activities zone (Zal Callao) (PE)	155.2
AMA66	El Callao Multi-Purpose Northern Terminal (PE)	884.0
AMA67	El Callao Mineral shipping terminal (PE)	120.3
AMA68	Integration Railway: Vilhena - Porto Velho - Rio Branco - Cruzeiro Do Sul Section (BR)	2,100.0
AMA72	Rehabilitation and Improvement of the Lima - Canta - Unish Road (PE)	0.0
	TOTAL	5,382.6

GROUP 5: ACCESS TO THE SOLIMÕES - AMAZON WATERWAY

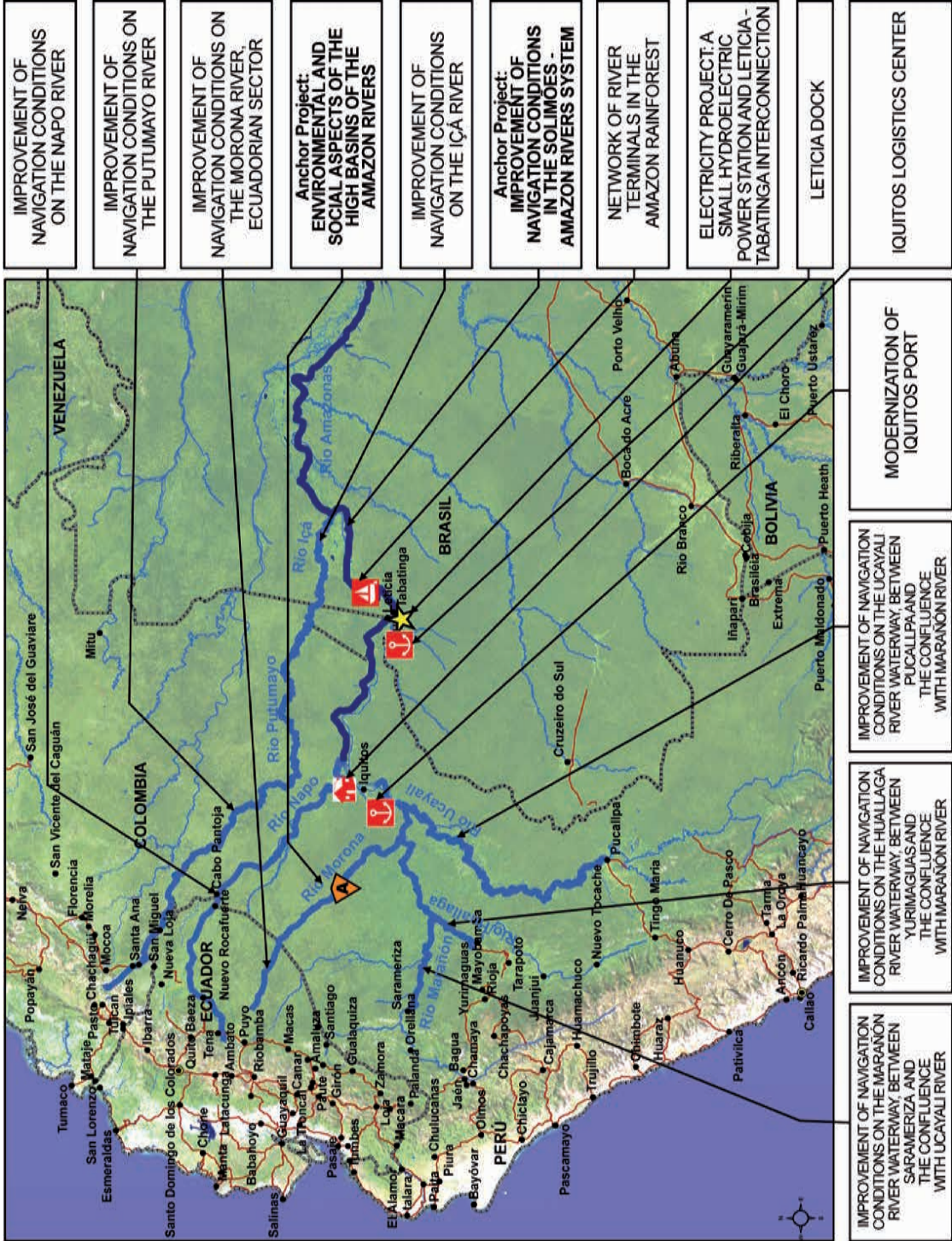


STRATEGIC FUNCTION

- Consolidate a paved route and thus improve transport logistics to and from the north of Mato Grosso, through the river ports of the Tapajós and/or Amazon rivers, ensuring the necessary capacity to carry out long distance logistics operations towards the Atlantic and Pacific oceans

Code	Amazon Hub: Group 5	Estimated Investment (US\$ million)
AMA33	Cuiabá - Santarém Road (BR-163 / MT / PA) (BR)	700.0
AMA34	Environmental and Territorial Management Program (Cuiabá - Santarém Route) (BR-163 / MT / PA) (BR)	12.0
AMA35	Santarém Port and Itatuba Freight Terminal (BR)	2.2
TOTAL		714.2

GROUP 6: AMAZON WATERWAY NETWORK



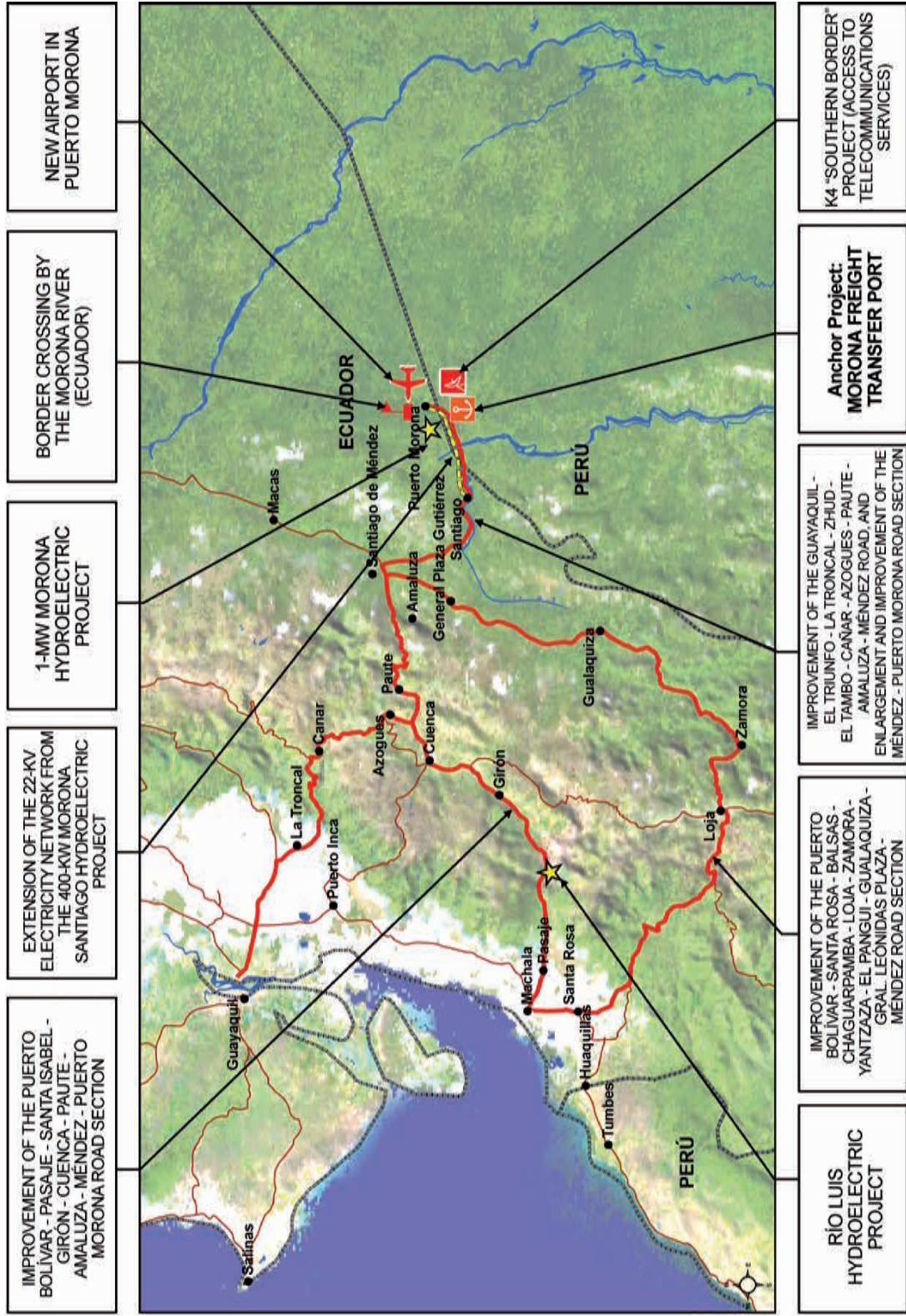
STRATEGIC FUNCTION

- Improve the navigation condition of the Amazon basin's rivers in order to promote sustainable economic, social and environmental development in the Amazon region, and gradually generate long distance and bioceanic transport flows

Code	Amazon Hub: Group 6	Estimated Investment (US\$ million)
AMA36	Improvement of Navigation Conditions in the Solimões - Amazon Rivers System (BR)	80.0
AMA37	Improvement of Navigation Conditions on the Içá River (BR)	8.0
AMA38	Improvement of Navigation Conditions on the Putumayo River (CO - EC - PE)	15.0
AMA39	Improvement of Navigation Conditions on the Morona River, Ecuadorian Sector (EC)	2.0
AMA40	Improvement of Navigation Conditions on the Huallaga River Waterway, between Yurimaguas and the Confluence with Marañón River (PE)	19.5
AMA41	Improvement of Navigation Conditions on the Marañón River Waterway, between Sarameriza and the Confluence with Ucayali River (PE)	19.5
AMA42	Improvement of Navigation Conditions on the Napo River (EC - PE)	5.7
AMA43	Improvement of Navigation Conditions on the Ucayali River Waterway, between Pucallpa and the Confluence with Marañón River (PE)	19.5
AMA44	Iquitos Logistics Center (PE)	5.0
AMA56	Modernization of Iquitos Port (PE)	39.2
AMA57	Network of River Terminals in the Amazon Rainforest (BR)	185.0
AMA58	Electricity Project: A Small Hydroelectric Power Station and Leticia - Tabatinga Interconnection (BR)	0.0
AMA62	Environmental and Social Aspects of the High Basins of the Amazon Rivers (CO - EC - PE) (*)	0.6
AMA70	Leticia Dock	2.5
	TOTAL	401.5

Note: (*) This investment amount includes only the studies concerned.

GROUP 7: ACCESS TO THE MORONA - MARAÑÓN - AMAZON WATERWAY



STRATEGIC FUNCTION

- Improve the logistics of national integration among the Ecuadorian provinces of Guayas, Cañar, Azuay, and Morona Santiago, as well as El Oro, Loja, and Zamora-Chinchiipe, to consolidate the opportunity of internationally integrating the southern half of Ecuador and the northeastern portion of Peru with the state of Amazonas in Brazil through a river route towards Manaus

Code	Amazon Hub: Group 7	Estimated Investment (US\$ million)
AMA45	Morona Freight Transfer Port (EC)	5.0
AMA46	Improvement of the Guayaquil - El Triunfo - La Troncal - Zhud - El Tambo - Cañar - Azogues - Paute - Amaluza - Méndez Road, and Enlargement and Improvement of the Méndez - Puerto Morona Road Section (EC)	140.0
AMA47	Improvement of the Puerto Bolívar - Santa Rosa - Balsas - Chaguarpamba - Loja - Zamora - Yantzaza - El Pangui - Gualaquiza - Gral. Leónidas Plaza - Méndez Road Section (EC)	167.7
AMA48	Improvement of the Puerto Bolívar - Pasaje - Santa Isabel - Girón - Cuenca - Paute - Amaluza - Méndez - Puerto Morona Road Section (EC)	26.8
AMA49	New Airport in Puerto Morona (EC)	136.3
AMA50	Extension of the 22-KV Electricity Network from the 400-KW Morona Santiago Hydroelectric Project (EC)	0.3
AMA51	1-MW Morona Hydroelectric Project (EC)	2.0
AMA52	Río Luis Hydroelectric Project (EC)	15.5
AMA53	K4 "Southern Border" Project (Access to Telecommunications Services) (EC)	3.1
AMA54	Border Crossing by the Morona River (Ecuador) (EC)	2.0
	TOTAL	498.7

PROJECT PORTFOLIO OF THE AMAZON HUB

General Aspects

The countries have agreed to include sixty-four projects in the Amazon Hub, accounting for an estimated investment of US\$ 8,867.6 million, as summarized below:

Group	Name	Number of Projects	Estimated Investment (US\$ million)
Group 1	Access to the Putumayo Waterway	7	466.3
Group 2	Access to the Napo Waterway	6	133.0
Group 3	Access to the Huallaga - Marañón Waterway	10	1,271.3
Group 4	Access to the Ucayali Waterway	14	5,382.6
Group 5	Access to the Solimões - Amazon Waterway	3	714.2
Group 6	Amazon Waterway Network	14	401.5
Group 7	Access to the Morona - Marañón - Amazon Waterway	10	498.7
TOTAL		64	8,867.6

Projects Lifecycle

Projects by Progress Attained

Stage	Number of Projects	Estimated Investment (US\$ million)
Profiling	25	2,862.4
Pre-execution	15	1,156.3
Execution	20	4,487.5
Concluded	4	361.4
TOTAL	64	8,867.6

Concluded Projects

Code	Project Name	Amount
AMA22	Bayóvar Port (PE)	70.0
AMA25	Paita - Tarapoto Road (PE)	273.7
AMA34	Environmental and Territorial Management Program (Cuiabá - Santarém Route) (BR-163 / MT / PA) (BR)	12.0
AMA42	Improvement of Navigation Conditions on the Napo River (EC - PE)	5.7
		361.4

Sector-based Breakdown

Subsector	Transport		Energy		Communications	
	Number of Projects	Estimated Investment (US\$ million)	Number of Projects	Estimated Investment (US\$ million)	Number of Projects	Estimated Investment (US\$ million)
Air	6	274.7				
Road	17	3,793.1				
Railway	1	2,100.0				
River	18	439.2				
Sea	8	2,013.1				
Multimodal	6	222.3				
Border Crossings	2	4.0				
Power generation			2	17.5		
Power interconnection			3	0.6		
Communication interconnection					1	3.1
TOTAL	58	8,846.4	5	18.1	1	3.1

Project Typology

Air Transport

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Refitting of airports	2	16.6
New airports	4	258.1
TOTAL	6	274.7

Road Transport

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Extension of the road capacity	4	1,164.1
Refitting of road and structures	9	1,344.0
Paving (new work)	4	1,285.0
TOTAL	17	3,793.1

Project Typology (cont.)

Railway Transport

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Building of railways	1	2,100.0
TOTAL	1	2,100.0

River Transport

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Improvement of river navigability	9	169.8
Building of new river ports	3	191.0
Refitting of the existing river ports	6	78.4
TOTAL	18	439.2

Maritime Transport

Project Typology	Number of Projects	Estimated Investment (US\$ million)
New sea ports	1	70.0
Extension of the road infrastructure of the maritime ports	4	933.8
Refitting of sea ports	3	1,009.3
TOTAL	8	2,013.1

Multimodal Transport

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Transfer stations	6	222.3
TOTAL	6	222.3

Project Typology (cont.)**Border Crossings**

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Infrastructure for the setting up of border control centers	2	4.0
TOTAL	2	4.0

Power Generation

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Hydroelectric plants (new ones and refitting) – microcentrals	2	17.5
TOTAL	2	17.5

Power Interconnection

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Building of new power interconnections	3	0.6
TOTAL	3	0.6

Communication Interconnection

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Optical fiber	1	3.1
TOTAL	1	3.1

Anchor Projects

The countries identified eight anchor projects in the Amazon Hub, totaling an estimated investment of US\$1,875.8 million, according to the following detail:

Group	Anchor Projects	Estimated Investment (US\$ million)	Financing Source	Scope	Project Stage
1	Tumaco - Pasto - Mocoa - Puerto Asís Road Corridor (CO)	373.0	Public	National	Execution
2	Providencia Port (EC)	25.0	Public	National	Pre-execution
3	Tarapoto - Yurimaguas Road and Yurimaguas Port (PE)	275.4	Public/Private	National	Execution
4	Tingo María - Pucallpa Road and Pucallpa Port (PE)	416.8	Public/Private	National	Pre-execution
5	Cuiabá - Santarém Road (BR-163 / MT / PA) (BR)	700.0	Public	National	Execution
6	Improvement of Navigation Conditions in the Solimões - Amazon Rivers System (BR)	80.0	Public	National	Execution
6	Environmental and Social Aspects of the High Basins of the Amazon Rivers (CO - EC - PE)	0.6	Public/Private	Tri-national	Pre-execution
7	Morona Freight Transfer Port (EC)	5.0	Public	National	Profiling
TOTAL		1,875.8			

ANDEAN HUB



Country members

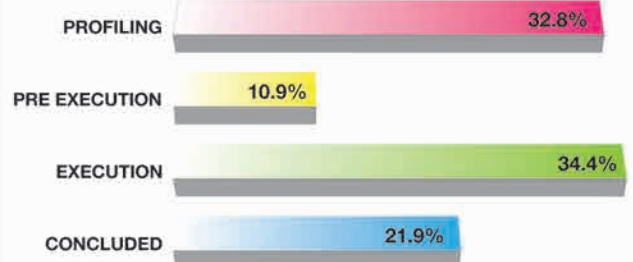


Total Number of project: 64

Investment: 8,692.4
(US\$ million)

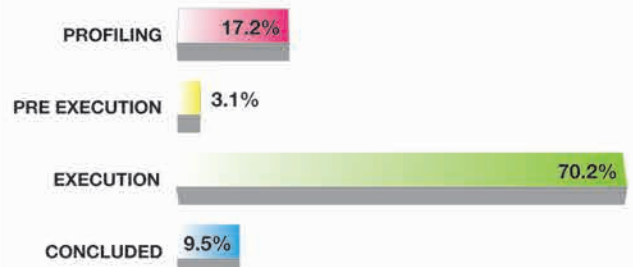
Total Number of project

Percentage by stage

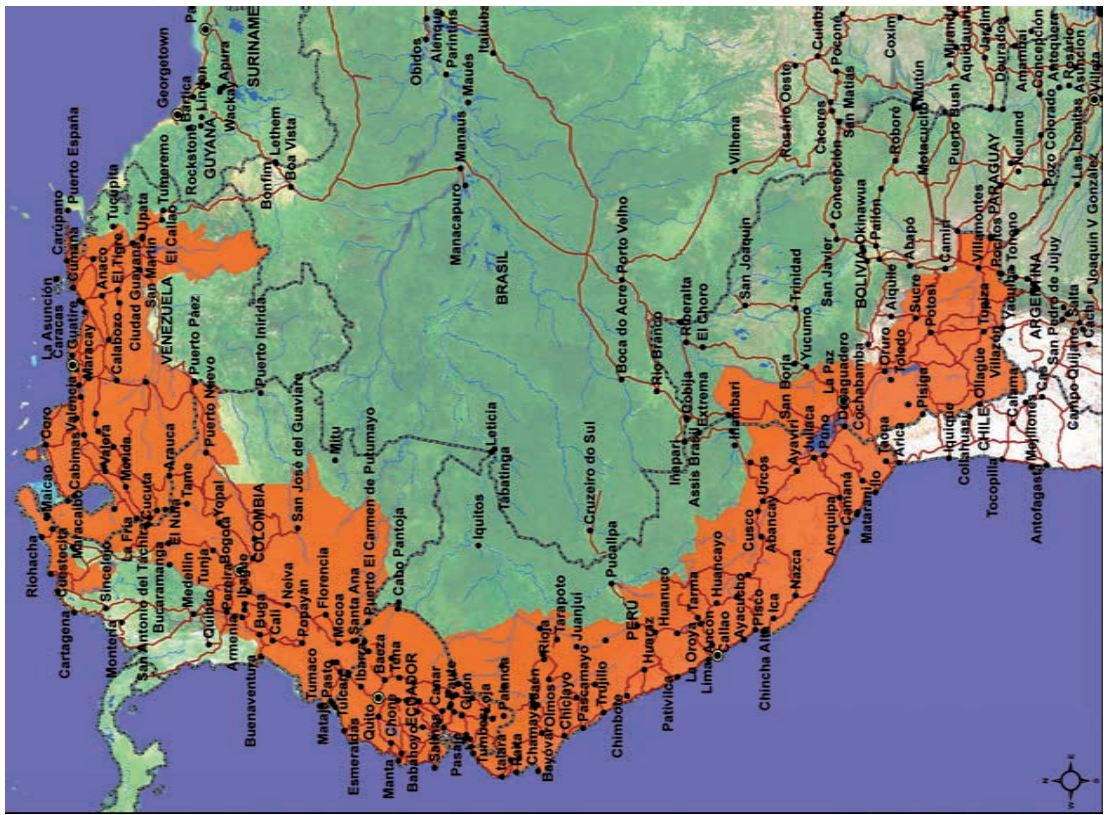


Investment

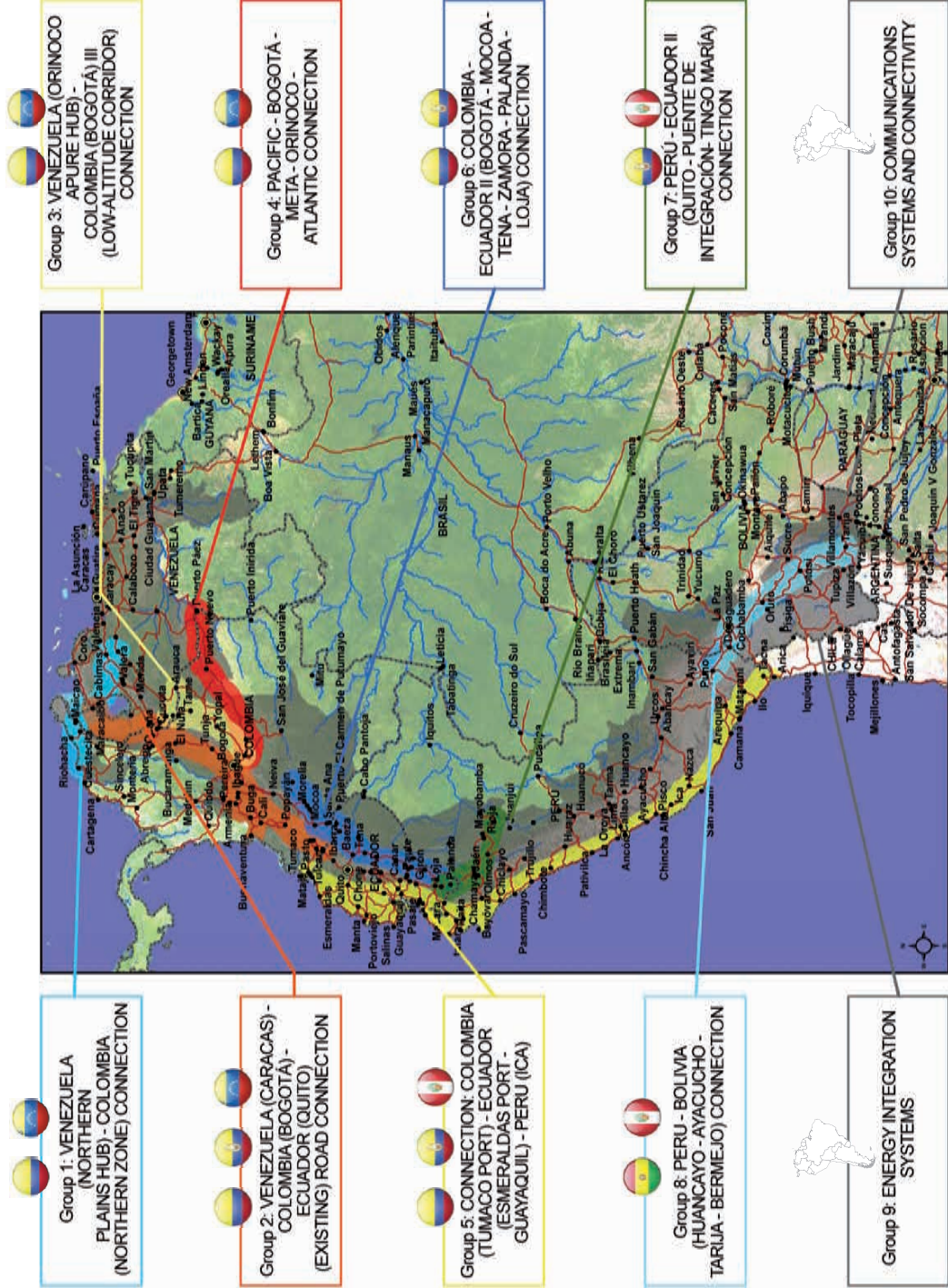
Percentage by stage



AREA OF INFLUENCE

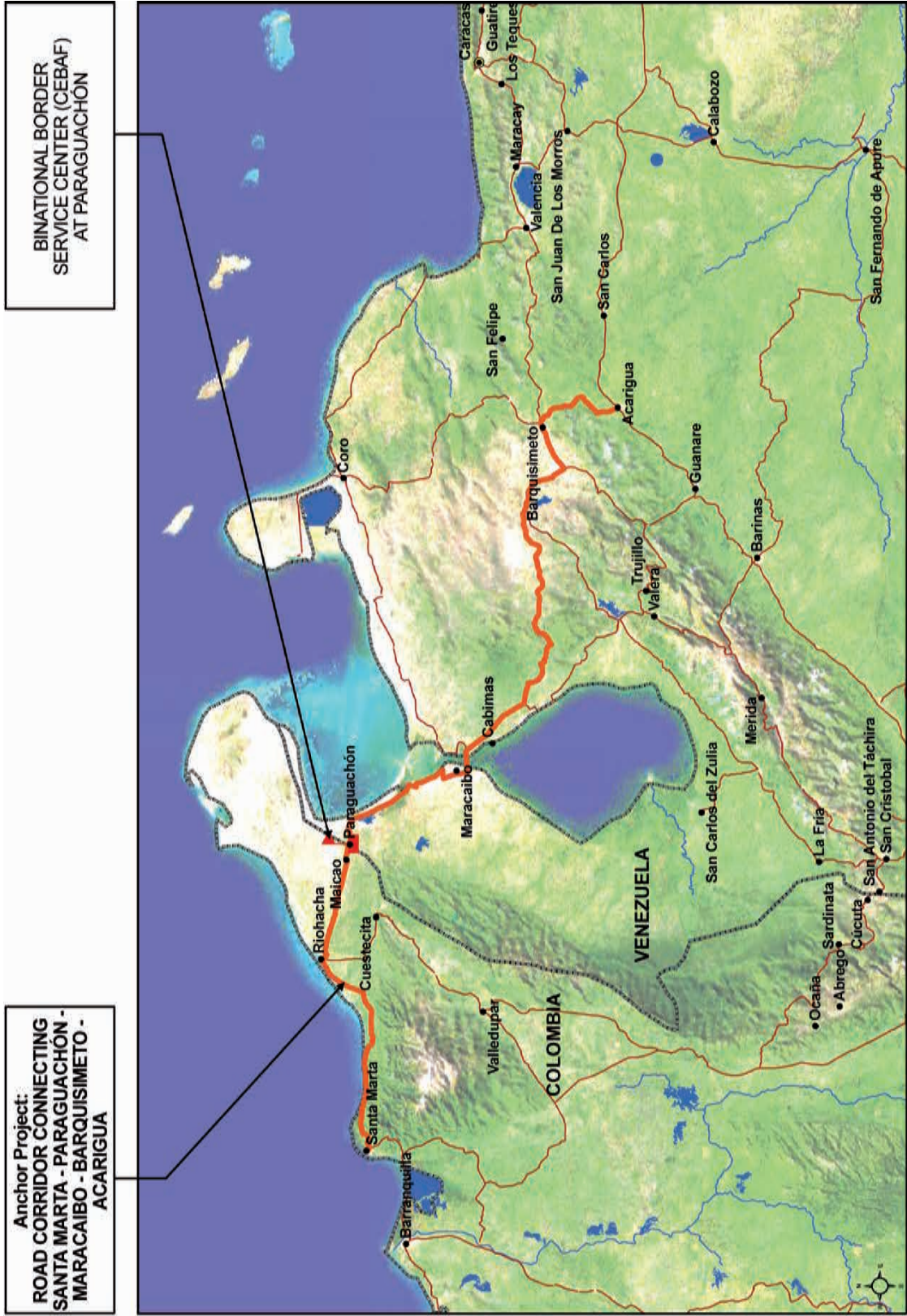


PROJECT GROUPS



Note: (*) The territory of Groups 9 and 10 has not been taken into account for illustration purposes, since the projects included in these groups impact on the total area of influence of the Andean Hub.

GROUP 1: VENEZUELA (NORTHERN PLAINS HUB) - COLOMBIA (NORTHERN ZONE) CONNECTION



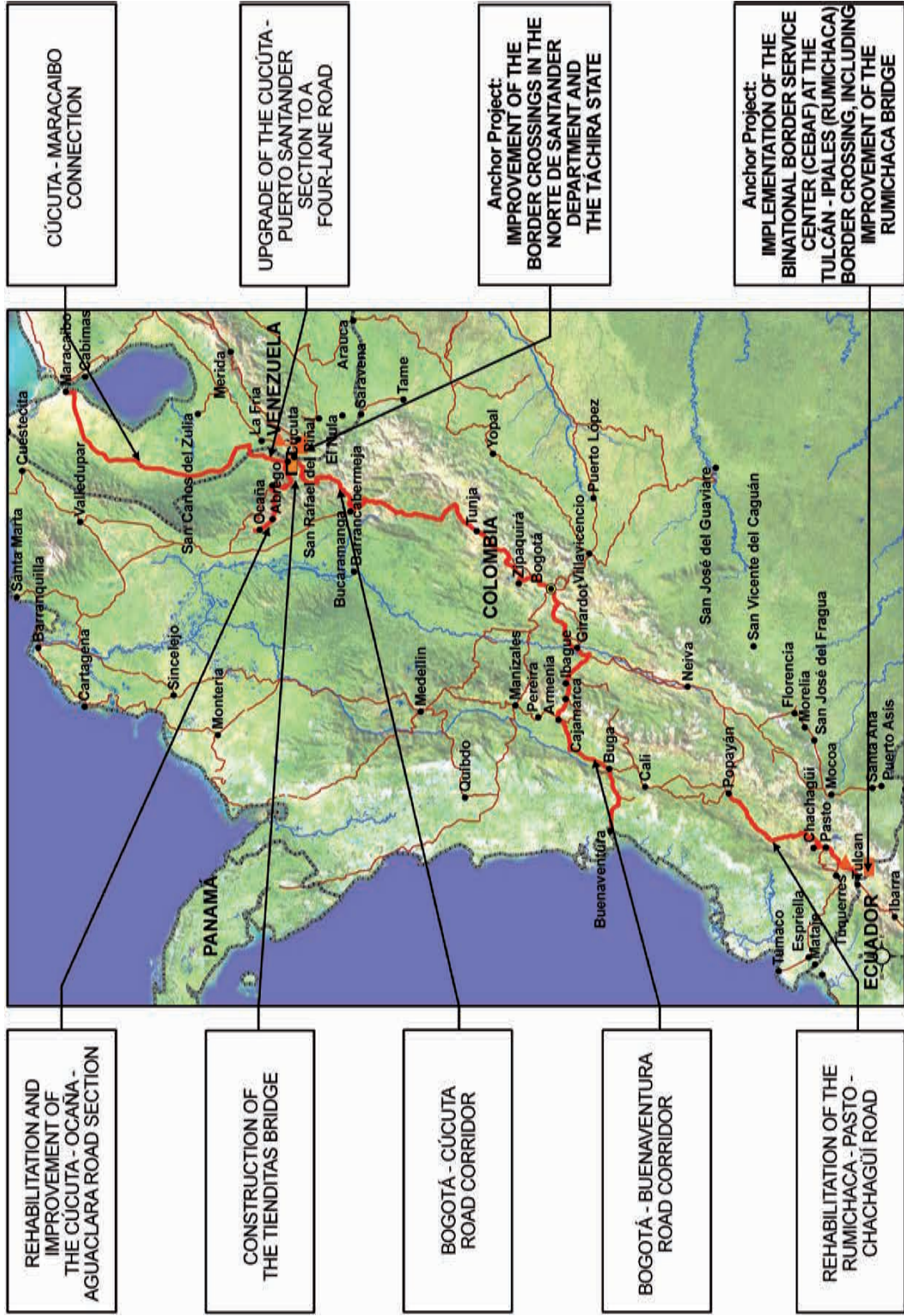
STRATEGIC FUNCTION

- Consolidate the economic integration between Colombia's northern Atlantic area and Venezuela's northern plains through an existing paved road

Code	Andean Hub: Group 1	Estimated Investment (US\$ million)
AND01	Road Corridor Connecting Santa Marta - Paraguachón - Maracaibo - Barquisimeto - Acarigua (Existing) (CO - VE) (*)	492.9
AND02	Binational Border Service Center (CEBAF) at Paraguachón (VE)	2.0
	TOTAL	2.0

Note: (*) Investments in this existing project have not been included in the estimated total amount of the Group as they were mostly made before IIRSA was launched.

GROUP 2: VENEZUELA (CARACAS) - COLOMBIA (BOGOTÁ) - ECUADOR (QUITO) (EXISTING) ROAD CONNECTION



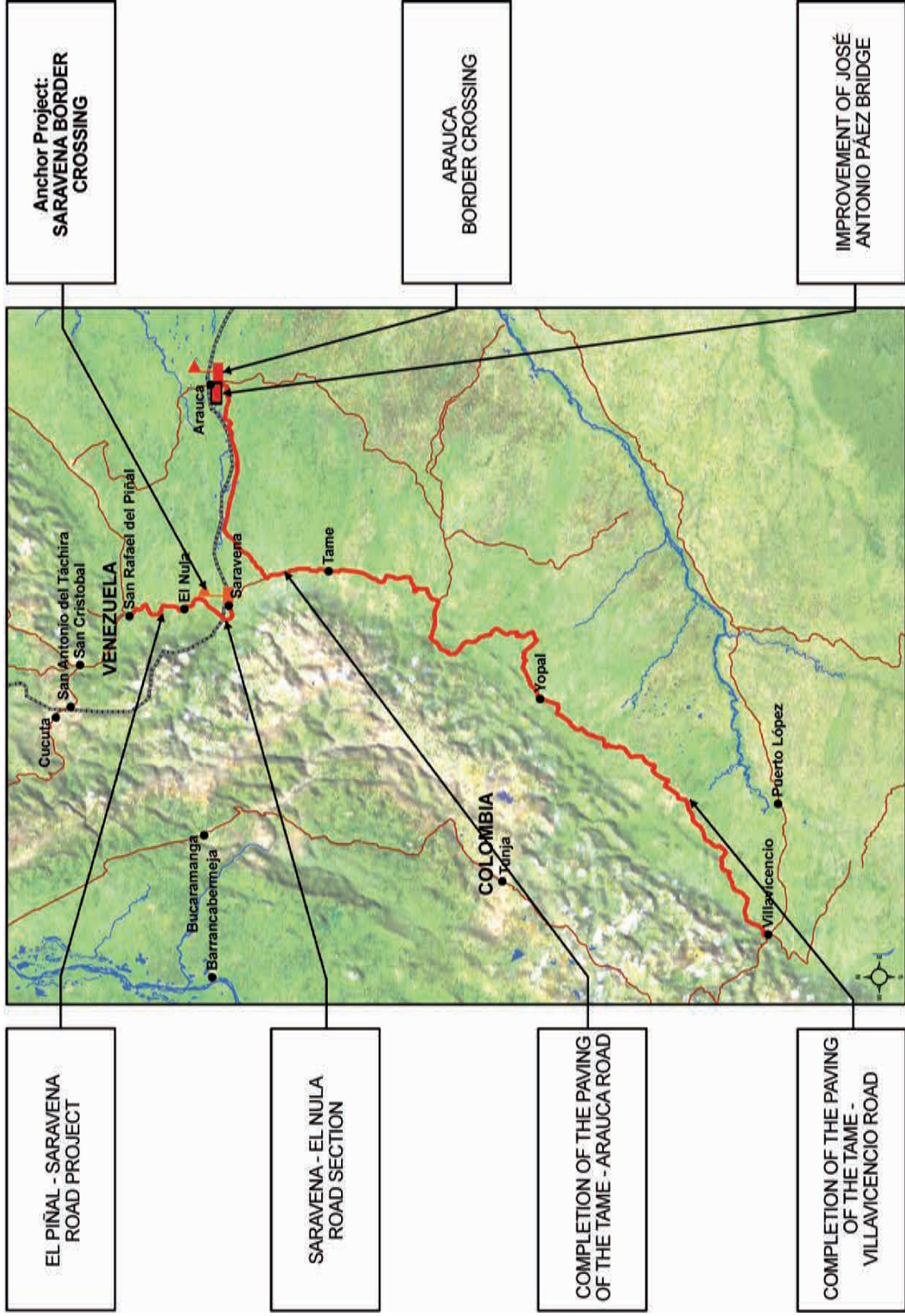
STRATEGIC FUNCTION

- Reinforce economic relations among the most dynamic urban centers of Ecuador, Colombia, and Venezuela through existing paved roads, which entails improving their border crossings and finding solutions to specific bottlenecks

Code	Andean Hub: Group 2	Estimated Investment (US\$ million)
AND04	Cúcuta - Maracaibo Connection (CO - VE)	0.3
AND05	Bogotá - Cúcuta Road Corridor (CO)	1,559.0
AND07	Bogotá - Buenaventura Road Corridor (CO) (*)	1,791.0
AND08	Rehabilitation of the Rumichaca - Pasto - Chachagüí Road (CO)	174.0
AND81	Improvement of the Border Crossings in the Northern Department of Santander and the Táchira State (CO - VE)	2.0
AND82	Implementation of the Binational Border Service Center (CEBAF) at the Tulcán - Ipiales (Rumichaca) Border Crossing, including Improvement of the Rumichaca Bridge (CO - EC)	65.0
AND83	Construction of the Tienditas Bridge (CO - VE)	0.9
AND84	Upgrade of the Cúcuta - Puerto Santander Section to a four-lane road (CO)	56.1
AND85	Rehabilitation and improvement of the Cúcuta - Ocaña - Aguacalara (CO)	68.4
	TOTAL	3,716.7

Note: (*) Hinge project with Group 4 of the Andean Hub

GROUP 3: VENEZUELA (ORINOCO APURE HUB) - COLOMBIA (BOGOTÁ) III (LOW-ALTITUDE CORRIDOR) CONNECTION

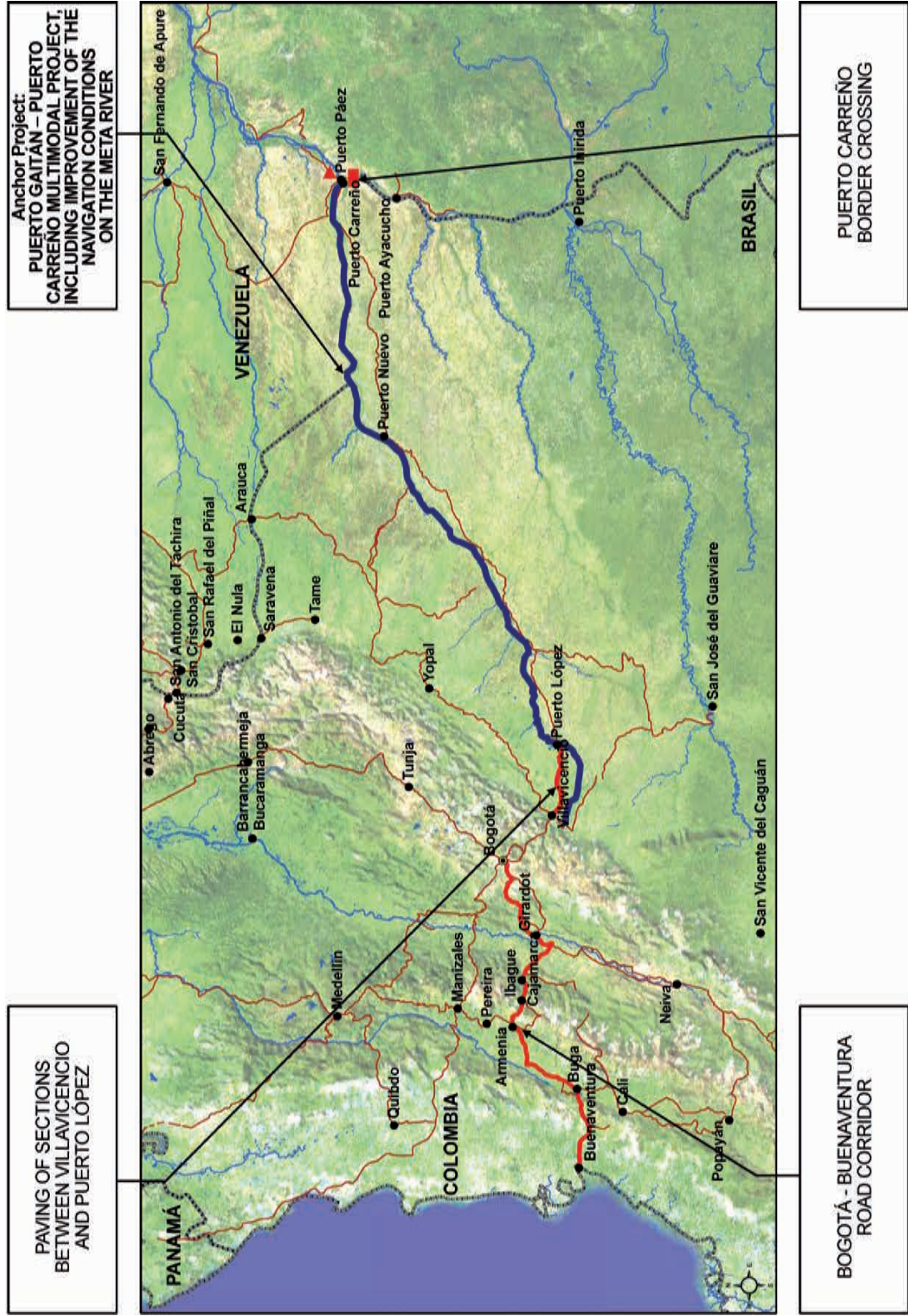


STRATEGIC FUNCTION

- Develop an international corridor for long-distance cargo transport with significantly lower operating costs and traveling times than the current Caracas - Bogotá corridor.
- This corridor will allow the participation in international trade of new regions in Colombia (Arauca) and Venezuela (Barinas).

Code	Andean Hub: Group 3	Estimated Investment (US\$ million)
AND10	Saravena Border Crossing (CO)	3.3
AND11	Saravena - El Nula Road Section (CO)	16.0
AND12	Completion of the Paving of the Tame - Villavicencio Road (CO)	72.7
AND13	Improvement of José Antonio Páez Bridge (CO)	1.3
AND14	Completion of the Paving of the Tame - Arauca Road (CO)	10.5
AND15	Arauca Border Crossing (VE)	2.0
AND16	El Piñal - Saravena Road Project (VE)	6.8
TOTAL		112.6

GROUP 4: PACIFIC - BOGOTÁ - META - ORINOCO - ATLANTIC CONNECTION



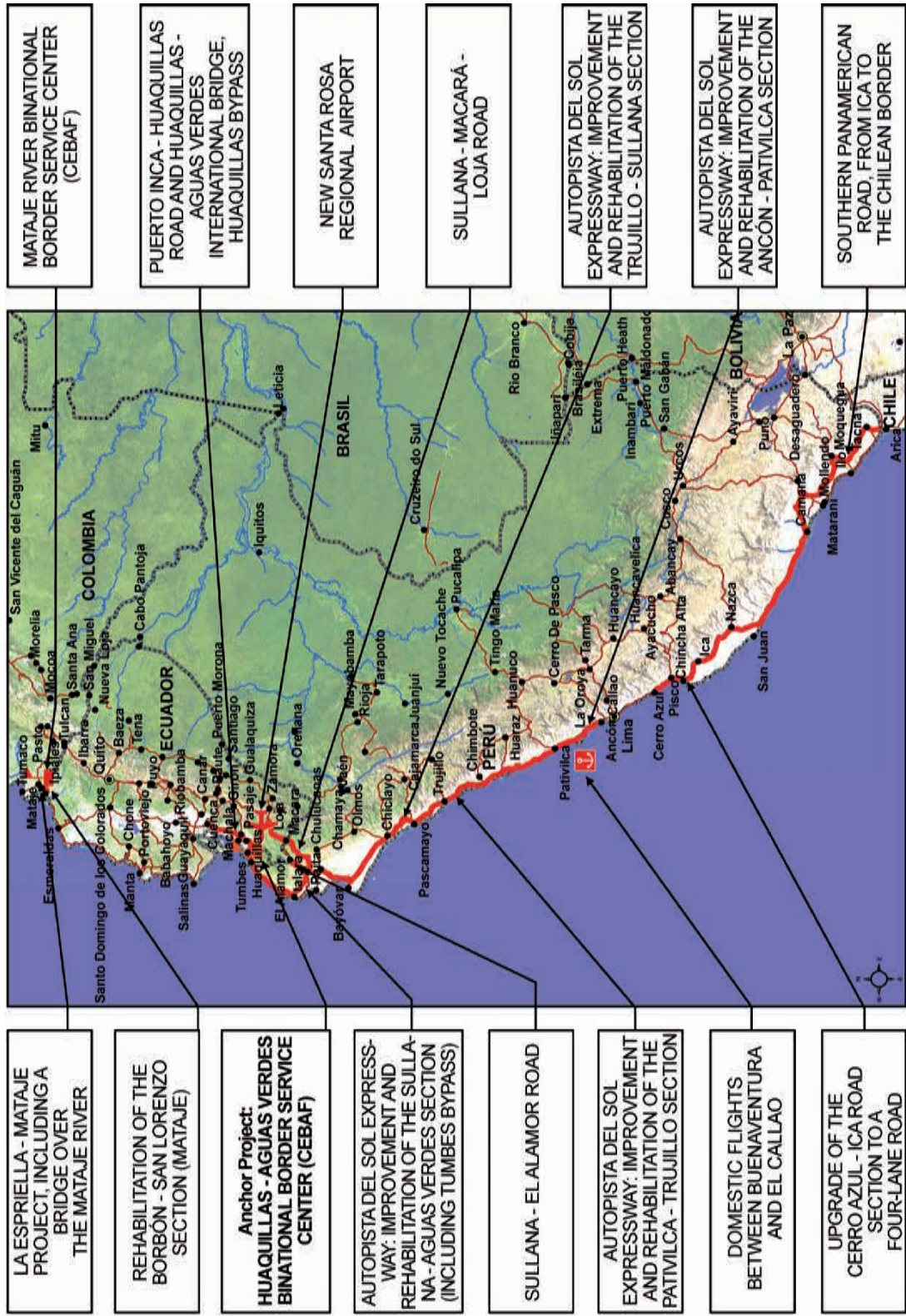
STRATEGIC FUNCTION

- Develop a Pacific - Bogotá - Meta - Orinoco - Atlantic bioceanic corridor for fostering trade among regions in Colombia (Orinoquía, Andina, and Pacífico) and Venezuela (the Plains, including the states of Anzoátegui and Monagas, Guayana, the Orinoco Delta) and for opening up these regions to international markets

Code	Andean Hub: Group 4	Estimated Investment (US\$ million)
AND07	Bogotá - Buenaventura Road Corridor (CO) ^(*)	1,791.0
AND17	Puerto Gaitán - Puerto Carreño Multimodal Project, including improvement of the navigation conditions on the Meta River (CO)	108.0
AND18	Paving of Sections between Villavicencio and Puerto López (CO)	26.0
AND19	Puerto Carreño Border Crossing (VE)	1.0
TOTAL		1,926.0

Note: (*) Hinge Project with Group 2 of the Andean Hub

GROUP 5: CONNECTION: COLOMBIA (TUMACO PORT) - ECUADOR (ESMERALDAS PORT - GUAYAQUIL) - PERU (ICA)

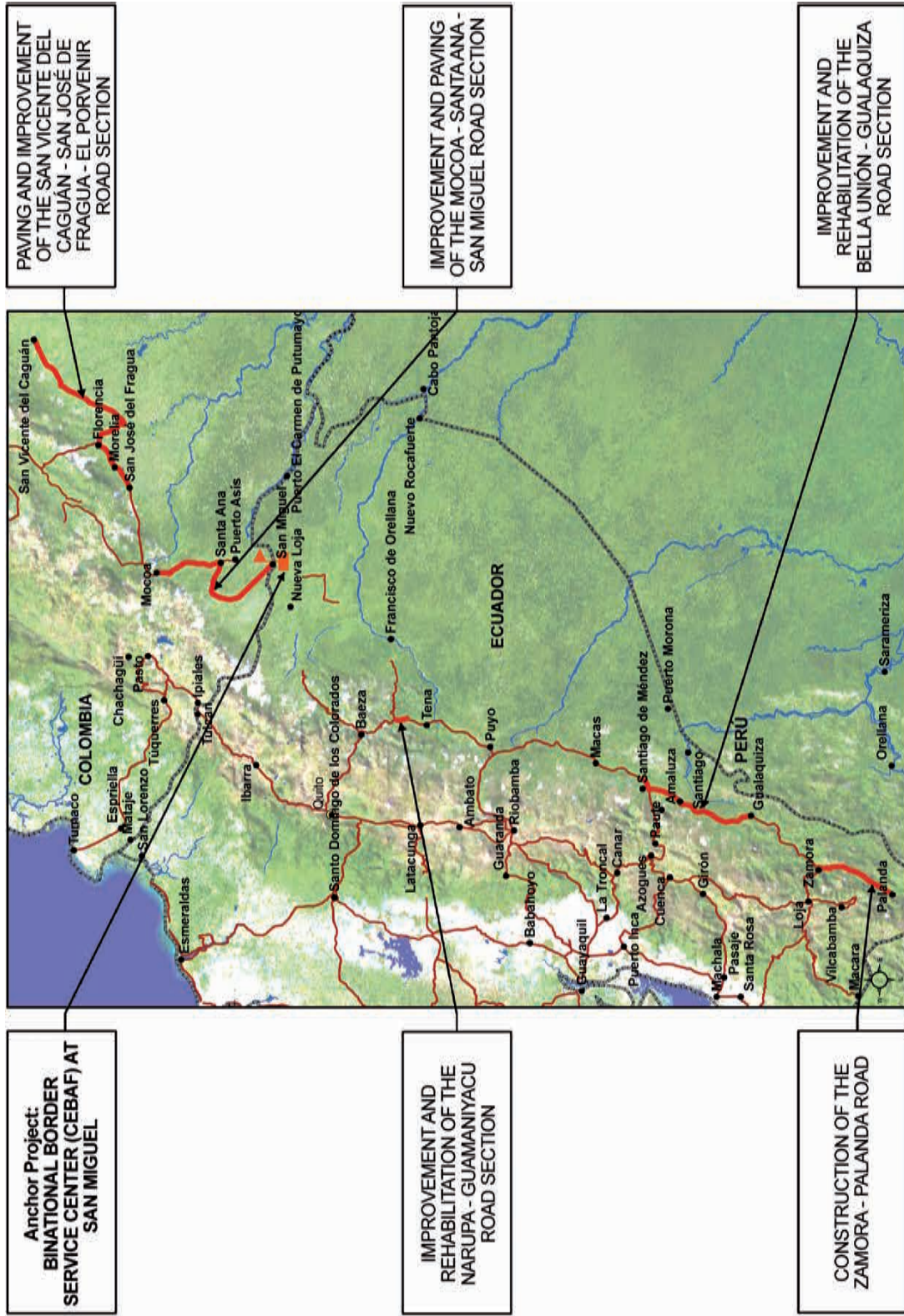


STRATEGIC FUNCTION

- Reinforce trade and tourism relations (beaches and ecotourism) of major coastal areas in northern Peru, Ecuador, and the Southern Pacific Colombian areas

Code	Andean Hub: Group 5	Estimated Investment (US\$ million)
AND21	Huaquillas - Aguas Verdes Binational Border Service Center (CEBAF) (EC - PE)	15.9
AND22	Mataje River Binational Border Service Center (CEBAF) (CO - EC)	3.0
AND23	La Espriella - Mataje Project, Including Bridge over the Mataje River (CO - EC)	25.0
AND24	Rehabilitation of the Borbón - San Lorenzo Section (Mataje) (EC)	5.3
AND25	New Santa Rosa Regional Airport (EC)	47.1
AND26	Puerto Inca - Huaquillas Road and Huaquillas - Aguas Verdes International Bridge, Huaquillas Bypass (EC - PE)	85.8
AND27	Autopista del Sol Expressway: Improvement and Rehabilitation of the Ancón - Pativilca Section (PE)	75.1
AND28	Autopista del Sol Expressway: Improvement and Rehabilitation of the Sullana - Aguas Verdes Section (including Tumbes Bypass) (PE)	41.2
AND29	Autopista del Sol Expressway: Improvement and Rehabilitation of the Pativilca - Trujillo Section (PE)	401.6
AND30	Autopista del Sol Expressway: Improvement and Rehabilitation of the Trujillo - Sullana Section (PE)	400.1
AND75	Upgrade of the Cerro Azul - Ica Road Section to a Four-lane Road (PE)	231.9
AND86	Domestic Flights between Buenaventura and El Callao (CO)	0.0
AND87	Southern Panamerican Road, from Ica to the Chilean Border (PE)	159.1
AND88	Sullana - El Amor Road (PE)	29.5
AND89	Sullana - Macará - Loja Road (PE)	43.9
TOTAL		1,564.5

**GROUP 6: COLOMBIA - ECUADOR II
(BOGOTÁ - MOCOA - TENA - ZAMORA - PALANDA - LOJA) CONNECTION**

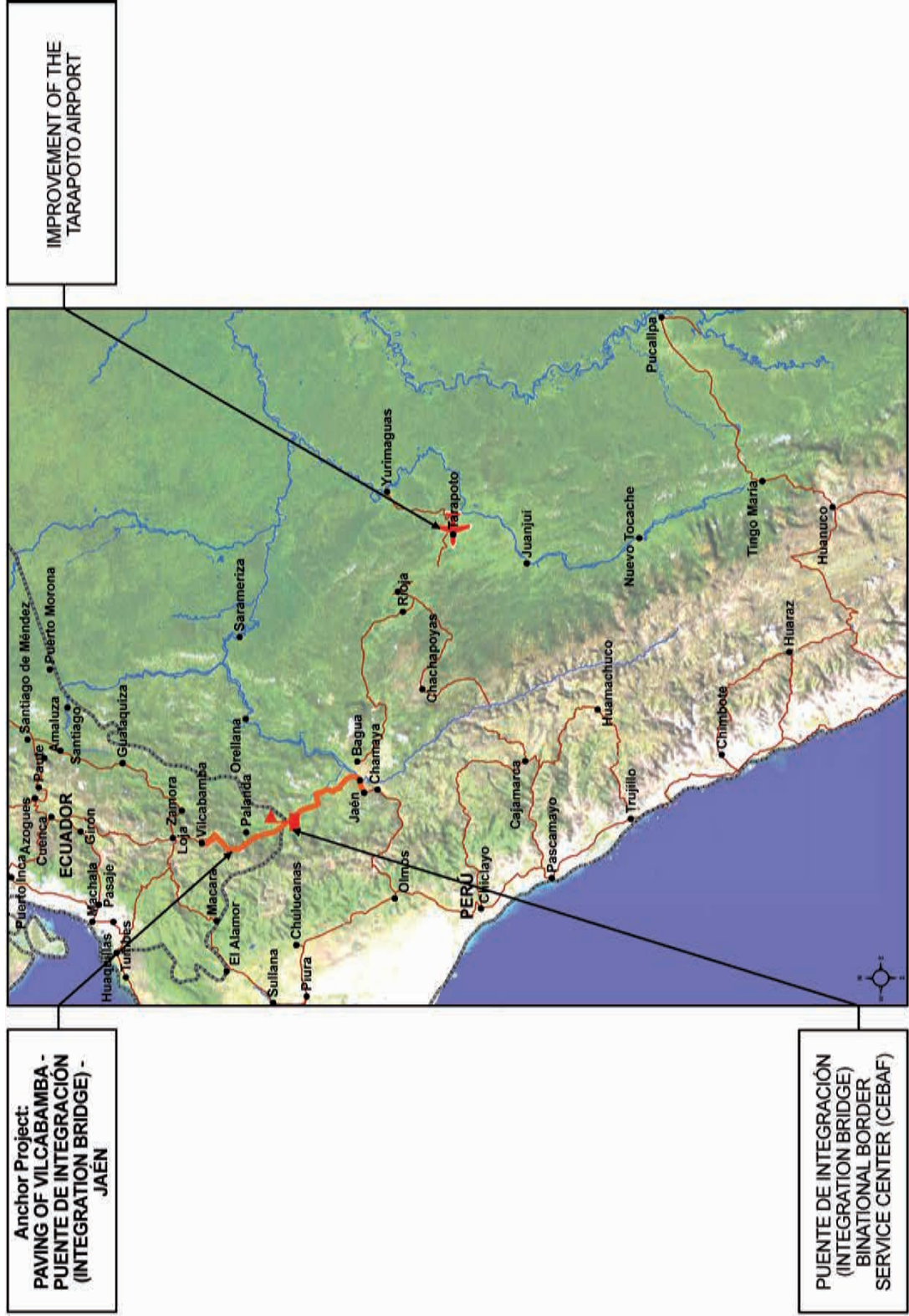


STRATEGIC FUNCTION

- Develop a corridor that would articulate areas in central and southern Colombia with Amazon provinces of northern and central Ecuador (Tena, Puyo) and areas of southern Ecuador (Loja) within international trade schemes

Code	Andean Hub: Group 6	Estimated Investment (US\$ million)
AND31	Binational Border Service Center (CEBAF) at San Miguel (CO - EC)	25.0
AND35	Improvement and Rehabilitation of the Bella Unión - Gualaquiza Road Section (EC)	23.2
AND37	Construction of the Zamora - Palanda Road (EC)	1.3
AND38	Improvement and Rehabilitation of the Narupa - Guamaniyacu Road Section (EC)	23.6
AND79	Improvement and Paving of the Mocoa - Santa Ana - San Miguel Road Section (CO)	133.6
AND90	Paving and Improvement of the San Vicente del Caguán - San José de Fragua - El Porvenir Road Section (CO)	190.0
TOTAL		396.7

GROUP 7: PERU - ECUADOR II
(QUITO – PUENTE DE INTEGRACIÓN - TINGO MARÍA) CONNECTION

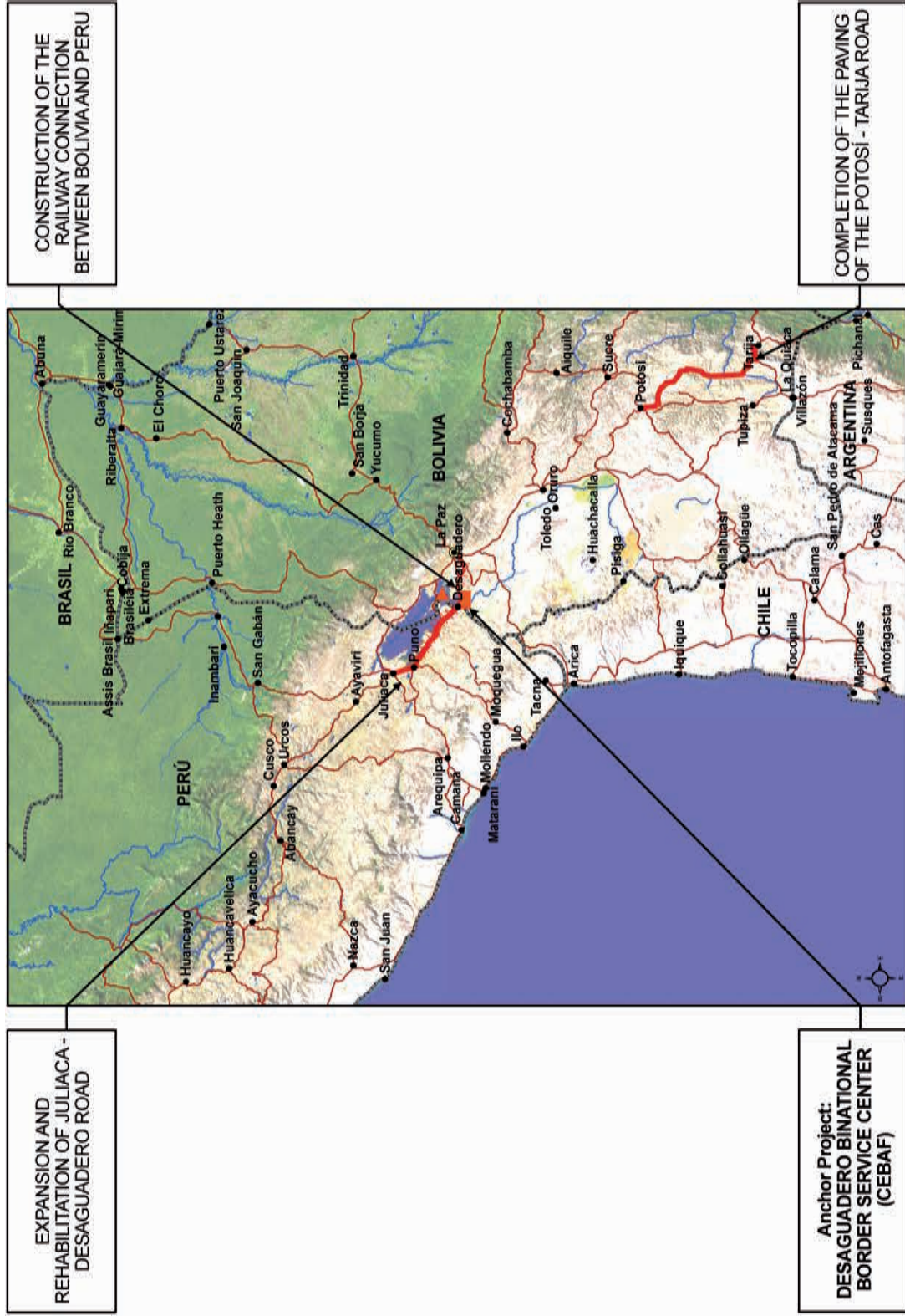


STRATEGIC FUNCTION

- Develop a new international trade corridor by improving the roads that connect the cities of Loja, Tarapoto, and Tingo María. This corridor would join the southern Andean region of Ecuador (Loja and Cuenca) and the northern and central rainforest of Peru (San Ignacio, Moyobamba, Rioja, Tarapoto, and Tingo María)

Code	Andean Hub: Group 7	Estimated Investment (US\$ million)
AND39	Paving of Vilcabamba - Puente de Integración (Integration Bridge) - Jaén (EC - PE)	259.3
AND43	Puente de Integración (Integration Bridge) Binational Border Service Center (CEBAF) (EC - PE)	2.5
AND45	Improvement of the Tarapoto Airport (PE)	6.9
	TOTAL	268.7

GROUP 8: PERU - BOLIVIA (HUANCAYO - AYACUCUCHO - TARIJA - BERMEJO) CONNECTION

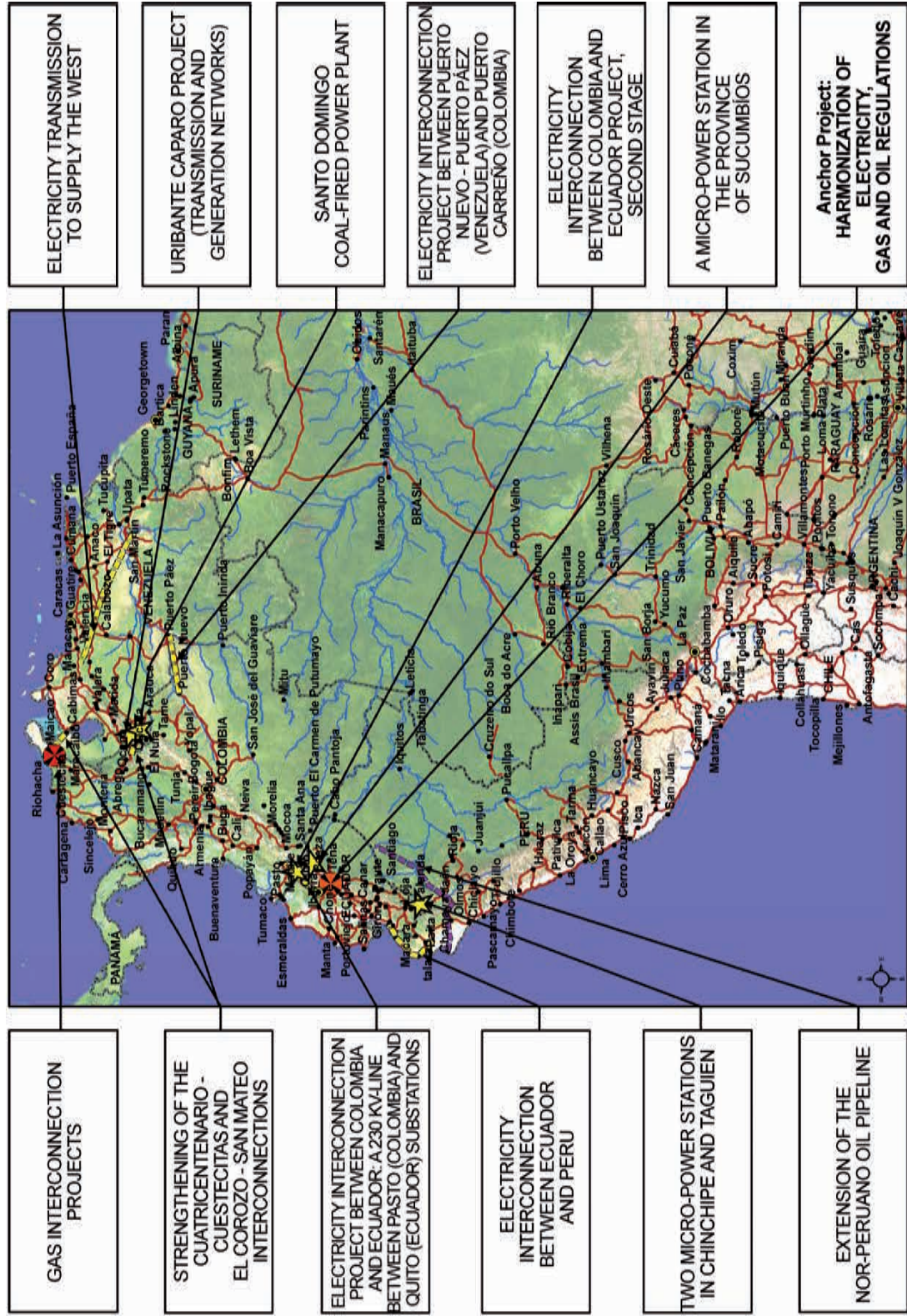


STRATEGIC FUNCTION

- Reinforce tourism and economic relations among the Andean cities of Peru and Bolivia through existing paved routes, and extend these to the central Andean area of Peru and northwestern Argentina.

Code	Andean Hub: Group 8	Estimated Investment (US\$ million)
AND47	Desaguadero Binational Border Service Center (CEBAF) (BO - PE)	4.0
AND48	Completion of the Paving of the Potosí - Tarija Road (BO)	238.2
AND51	Expansion and Rehabilitation of the Juliaca - Desaguadero Road (PE)	133.3
AND54	Construction of the Railway Connection between Bolivia and Peru (BO - PE)	390.0
	TOTAL	765.5

GROUP 9: ENERGY INTEGRATION SYSTEMS

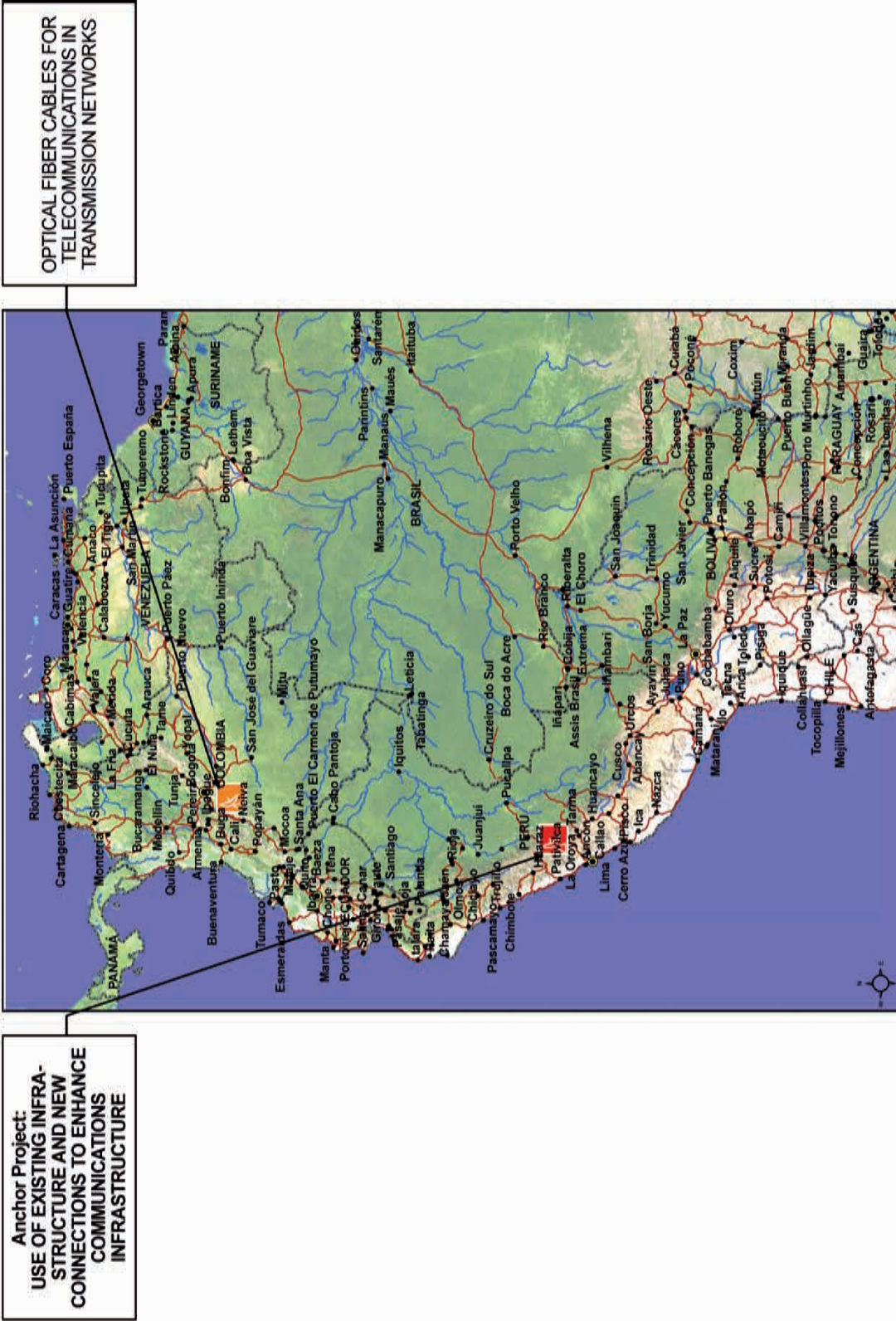


STRATEGIC FUNCTION

- Integrate energy systems to improve the efficiency and reliability of energy generation, transmission and distribution in order to promote the development of high value-added sectors.

Code	Andean Hub: Group 9	Estimated Investment (US\$ million)
AND55	Harmonization of Electricity, Gas and Oil Regulations (BO - CO - EC - PE - VE)	0.0
AND56	Strengthening of the Cuatricentenario - Cuestecitas and El Corozo - San Mateo Interconnections (CO - VE)	125.2
AND57	Electricity Interconnection Project between Colombia and Ecuador: A 230-KV Line between Pasto (Colombia) and Quito (Ecuador) Substations (CO - EC)	45.4
AND58	Two Micro-Power Stations in Chinchipe and Taguien (EC)	5.0
AND59	A Micro-Power Station in the Province of Sucumbíos (EC)	0.0
AND60	Extension of the Nor-Peruano Oil Pipeline (EC - PE)	0.0
AND61	Gas Interconnection Projects (CO)	335.0
AND62	Santo Domingo Coal-Fired Power Plant (VE)	625.0
AND63	Uribante Caparo Project (Transmission and Generation Networks) (VE)	0.0
AND64	Electricity Interconnection Project between Puerto Nuevo - Puerto Páez (Venezuela) and Puerto Carreño (Colombia) (CO)	5.0
AND65	Electricity Interconnection between Ecuador and Peru (EC - PE)	0.0
AND66	Electricity Interconnection between Colombia and Ecuador Project, Second Stage (CO - EC)	0.0
AND67	Electricity Transmission to Supply the West (VE)	590.0
	TOTAL	1,730.6

GROUP 10: COMMUNICATIONS SYSTEMS AND CONNECTIVITY



FUNCIÓN ESTRATÉGICA

- Incorporate urban and rural populated areas into the telecommunications system, eliminating the deficit in telephone coverage and allowing the expansion of value-added services (e-government, distance learning, remote health care, and so on) as a tool to develop isolated areas, and improve quality of life and cultural integration
- Furthermore, expand the use of communication services to foster development, trade, and regional integration

Code	Andean Hub: Group 10	Estimated Investment (US\$ million)
AND68	Use of Existing Infrastructure and New Connections to Enhance Communications Infrastructure (BO - CO - EC - PE - VE)	0.1
AND69	Optical Fiber Cables for Telecommunications in Transmission Networks (BO - CO - EC - PE - VE)	0.0
	TOTAL	0.1

Project Portfolio of the Andean Hub

General Aspects

The countries have agreed to include sixty-four projects in the Andean Hub, accounting for an estimated investment of US\$8,692.4 million, as summarized below:

Group	Name	Number of Projects	Estimated Investment (US\$ million)
Group 1	Venezuela (Northern Plains Hub) - Colombia (Northern Zone) Connection	2	2.0
Group 2	Venezuela (Caracas) - Colombia (Bogotá) - Ecuador (Quito) (Existing) Road Connection	9	3,716.6
Group 3	Venezuela (Orinoco Apure Hub) - Colombia (Bogotá) III (Low-altitude Corridor) Connection	7	112.6
Group 4	Pacific - Bogotá - Meta - Orinoco - Atlantic Connection	4	1,926.0
Group 5	Connection: Colombia (Tumaco Port) - Ecuador (Esmeraldas Port - Guayaquil) - Peru (Ica)	15	1,564.4
Group 6	Colombia - Ecuador II (Bogotá - Mocoa - Tena - Zamora - Palanda - Loja) Connection	6	396.7
Group 7	Peru - Ecuador II (Quito - Puente de Integración - Tingo María) Connection	3	268.7
Group 8	Peru - Bolivia (Huancayo - Ayacucho - Tarija - Bermejo) Connection	4	765.5
Group 9	Energy Integration Systems	13	1,730.6
Group 10	Communications Systems and Connectivity	2	0.1
TOTAL (*)		64	8,692.4

Note: (*) The total in the Number of Projects and Estimated Investment columns do not match the mathematical total amounts due to the existence of a Hinge Project: Bogotá - Buenaventura Road Corridor, belonging in Group 2 and Group 4 of this Hub

Projects Lifecycle

Projects by Progress Attained

Stage	Number of Projects	Estimated Investment (US\$ millions)
Profiling	21	1,495.3
Pre-execution	7	271.3
Execution	22	6,102.8
Concluded	14	823.0
TOTAL	64	8,692.4

Concluded Projects

Code	Project Name	Amount
AND12	Completion of the Paving of the Tame - Villavicencio Road (CO)	72.7
AND13	Improvement of José Antonio Páez Bridge (CO)	1.3
AND14	Completion of the Paving of the Tame - Arauca Road (CO)	10.5
AND18	Paving of Sections between Villavicencio and Puerto López (CO)	26.0
AND21	Huaquillas - Aguas Verdes Binational Border Service Center (CEBAF) (EC - PE)	15.9
AND25	New Santa Rosa Regional Airport (EC)	47.1
AND26	Puerto Inca - Huaquillas Road and Huaquillas - Aguas Verdes International Bridge, Huaquillas Bypass (EC - PE)	85.8
AND38	Improvement and Rehabilitation of the Narupa - Guamaniyacu Road Section (EC)	23.6
AND56	Strengthening of the Cuatricentenario - Cuestecitas and El Corozo - San Mateo Interconnections (CO - VE)	125.2
AND57	Electricity Interconnection Project between Colombia and Ecuador: A 230-KV Line between Pasto (Colombia) and Quito (Ecuador) Substations (CO - EC)	45.4
AND60	Extension of the Nor-Peruano Oil Pipeline (EC - PE)	0.0
AND61	Gas Interconnection Projects (CO)	335.0
AND64	Electricity Interconnection Project between Puerto Nuevo - Puerto Páez (Venezuela) and Puerto Carreño (Colombia) (CO)	5.0
AND88	Sullana - El Amor Road (PE)	29.5
TOTAL		823.0

Sector-based Breakdown

Subsector	Transport		Energy		Communications	
	Number of Projects	Estimated Investment (US\$ million)	Number of Projects	Estimated Investment (US\$ million)	Number of Projects	Estimated Investment (US\$ million)
Air	3	54.0				
Road	33	6,283.9				
Railway	1	390.0				
River	1	108.0				
Border crossing	11	125.8				
Energy regulatory harmonization			1	0.0		
Power generation			3	630.0		
Power interconnection			9	1,100.6		
Communications interconnection					2	0.1
TOTAL	49	6,961.7	13	1,730.6	2	0.1

Project Typology

The typology of the projects in the Andean Hub is summarized in the following tables:

Air Transport

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Refitting of airports	1	6.9
New airports	2	47.1
TOTAL	3	54.0

Road Transport

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Extension of the road capacity	7	3,841.7
Refitting of road and structures	13	1,402.2
Paving (new work)	10	847.8
Bridges (new ones and refitting)	2	2.1
Road maintenance	1	190.1
TOTAL	33	6,283.9

Project Typology (cont.)

Railway Transport

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Building of railways	1	390.0
TOTAL	1	390.0

River Transport

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Improvement of river navigability	1	108.0
TOTAL	1	108.0

Border Crossings

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Infrastructure for the setting up of border control centers	11	125.8
TOTAL	11	125.8

Energy Regulatory Harmonization

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Unification of energy rules	1	0.0
TOTAL	1	0.0

Power Generation

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Hydroelectric plants (new ones and refitting) - microcentrals	2	5.0
Carboelectric plants	1	625.0
TOTAL	3	630.0

Power Interconnection

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Building of new power interconnections	8	975.4
Refitting of power interconnections	1	125.2
TOTAL	9	1,100.6

Communication Interconnection

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Optical fiber	1	0.0
Telecommunication networks	1	0.1
TOTAL	2	0.1

Anchor Projects

The countries identified eleven anchor projects in the Andean Hub, totaling an estimated investment of US\$482.6 million, according to the following detail:

Group	Anchor Projects	Estimated Investment (US\$ million)	Financing Source	Scope	Project Stage
1	Road Corridor Connecting Santa Marta - Paraguachón - Maracaibo - Barquisimeto - Acarigua (Existing) (CO - VE) (*)	492.9	Public/Private	Binational	Execution
2	Improvement of the Border Crossing in the Northern department of Santander and the Táchira State (CO - VE)	2.0	Public	Binational	Profiling
2	Implementation of the Binational Border Service Center (CEBAF) at the Tulcán - Ipiales (Rumichaca) Border Crossing , including Improvement of the Rumichaca Bridge (CO - EC)	65.0	Public	Binational	Pre-execution
3	Saravena Border Crossing (CO)	3.3	Public	National	Profiling
4	Puerto Gaitán - Puerto Carreño Multimodal Project, including Improvement of Navigation Conditions on the Meta River (CO)	108.0	Public	National	Execution
5	Huaquillas - Aguas Verdes Binational Border Service Center (CEBAF) (EC - PE)	15.9	Public	Binational	Concluded
6	Binational Border Service Center (CEBAF) at San Miguel (CO - EC)	25.0	Public/Private	Binational	Pre-execution
7	Paving of Vilcabamba - Puente de Integración (Integration Bridge) - Jaén (EC - PE)	259.3	Public	Binational	Execution
8	Desaguadero Binational Border Service Center (CEBAF) (BO - PE)	4.0	Public	Binational	Pre-execution
9	Harmonization of Electricity, Gas and Oil Regulations (BO - CO - EC - PE - VE)	0.0	Public	Multinational	Execution
10	Use of Existing Infrastructure and New Connections to Enhance Communications Infrastructure (BO - CO - EC - PE - VE)	0.1	Private	Multinational	Execution
TOTAL		482.6			

Note: (*) Investments in this existing project have not been included in the estimated total amount as they were mostly made before IIRSA was launched.

CAPRICORN HUB



Country members

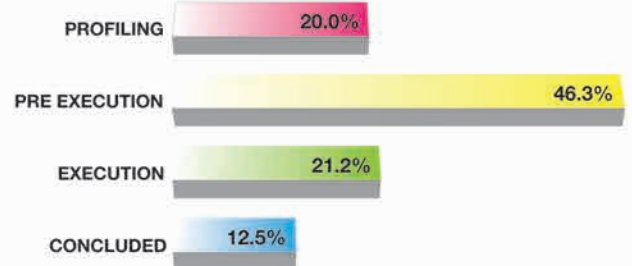


Total number of project: 80

Investment: 11,959.1
(US\$ million)

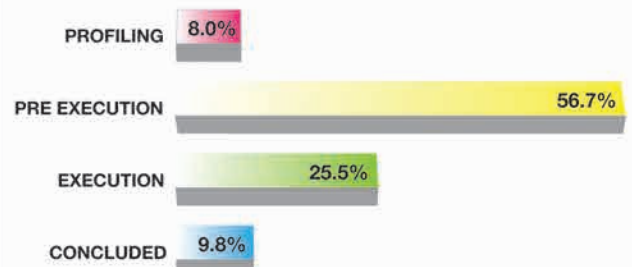
Total number of project

Percentage by stage

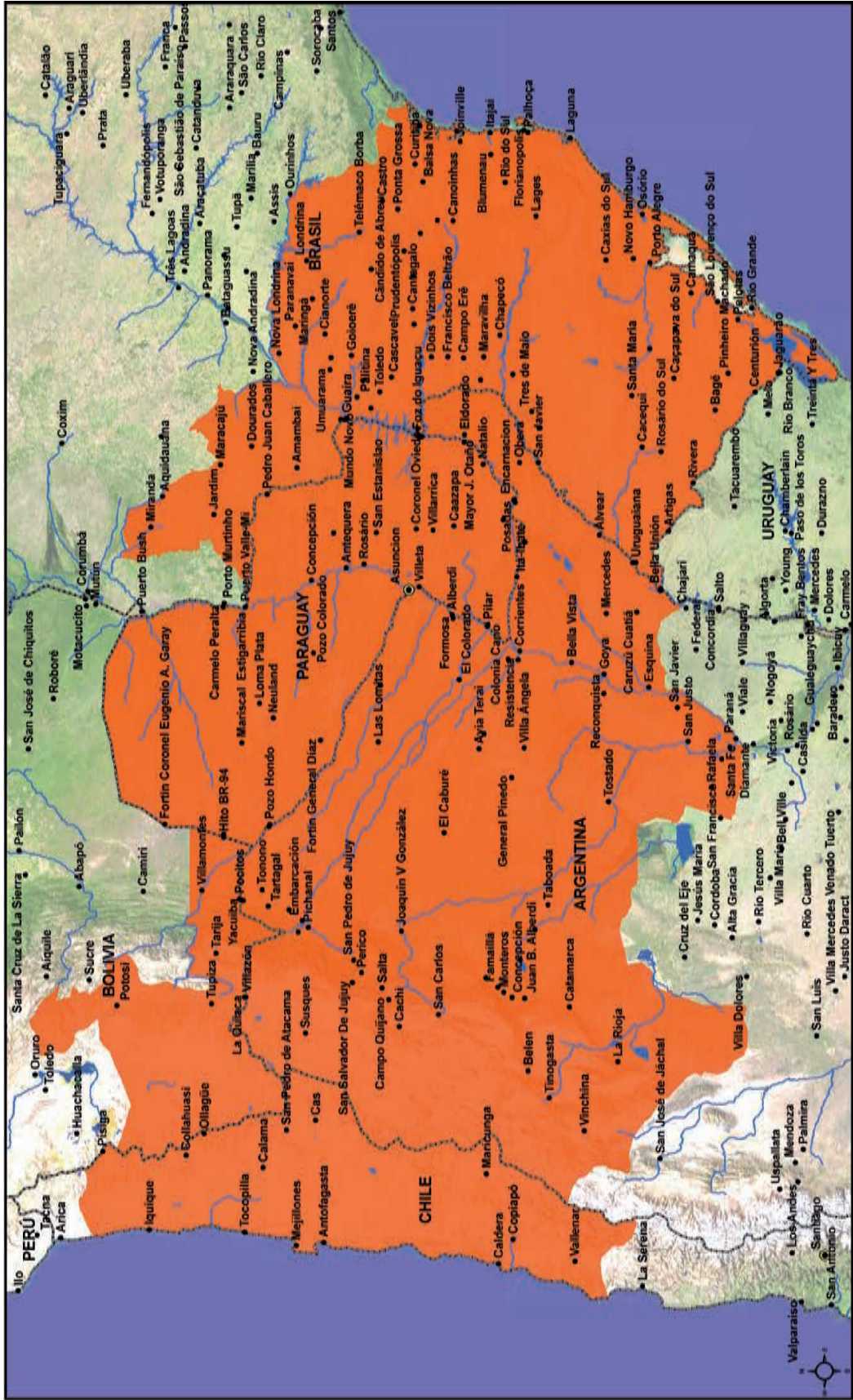


Investment

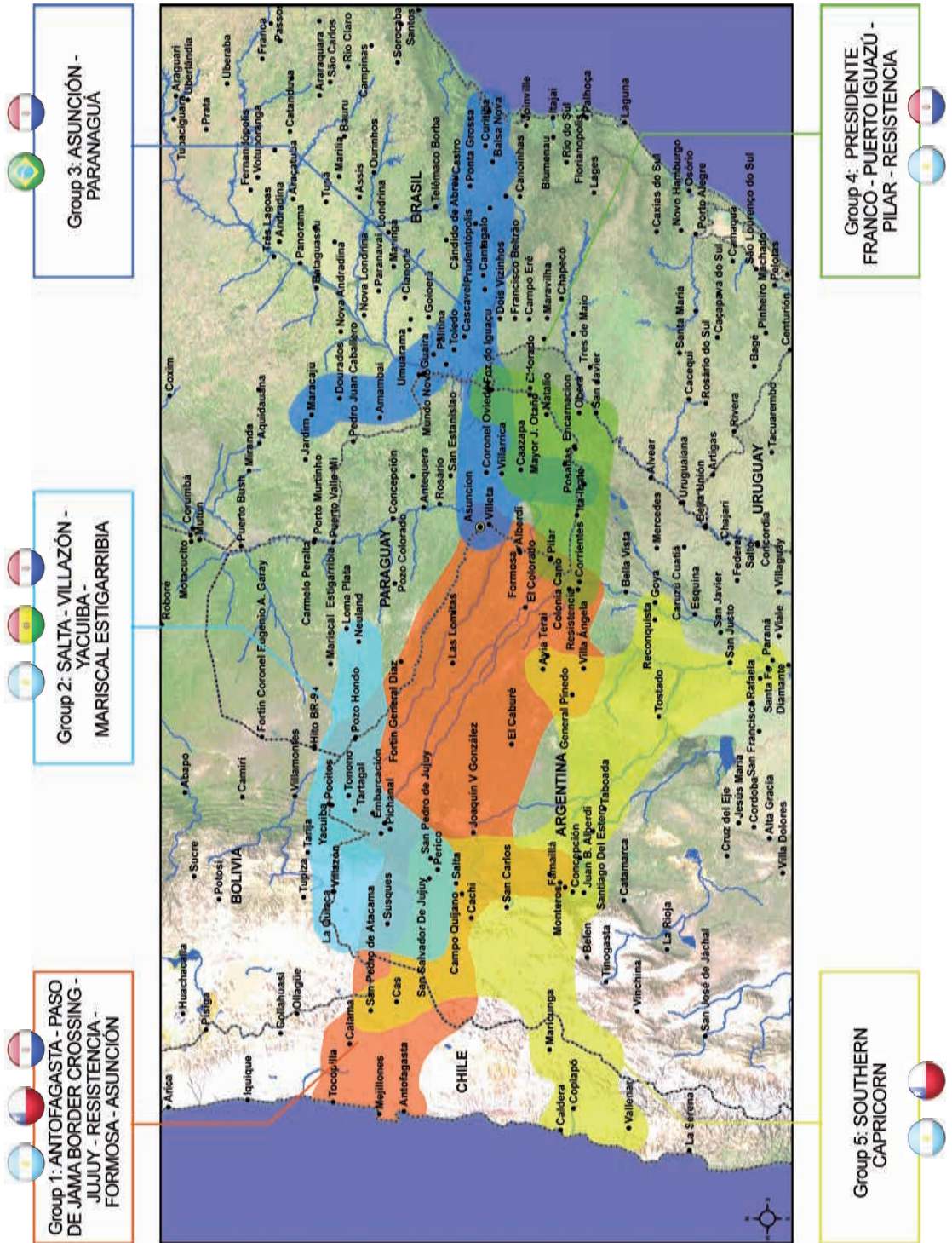
Percentage by stage



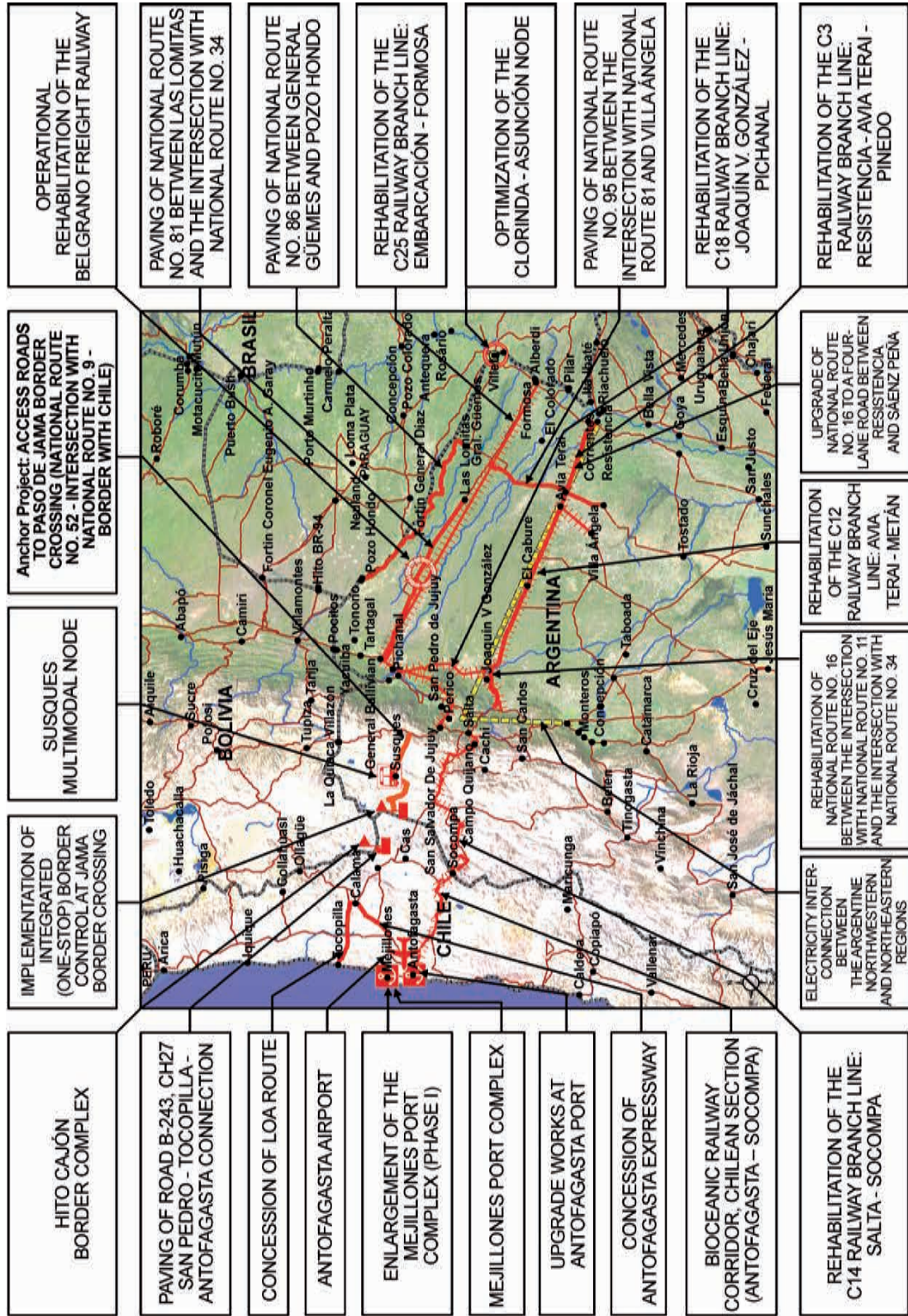
AREA OF INFLUENCE



PROJECT GROUPS



GROUP 1: ANTOFAGASTA - PASO DE JAMA BORDER CROSSING - JUJUY - RESISTENCIA - FORMOSA - ASUNCION



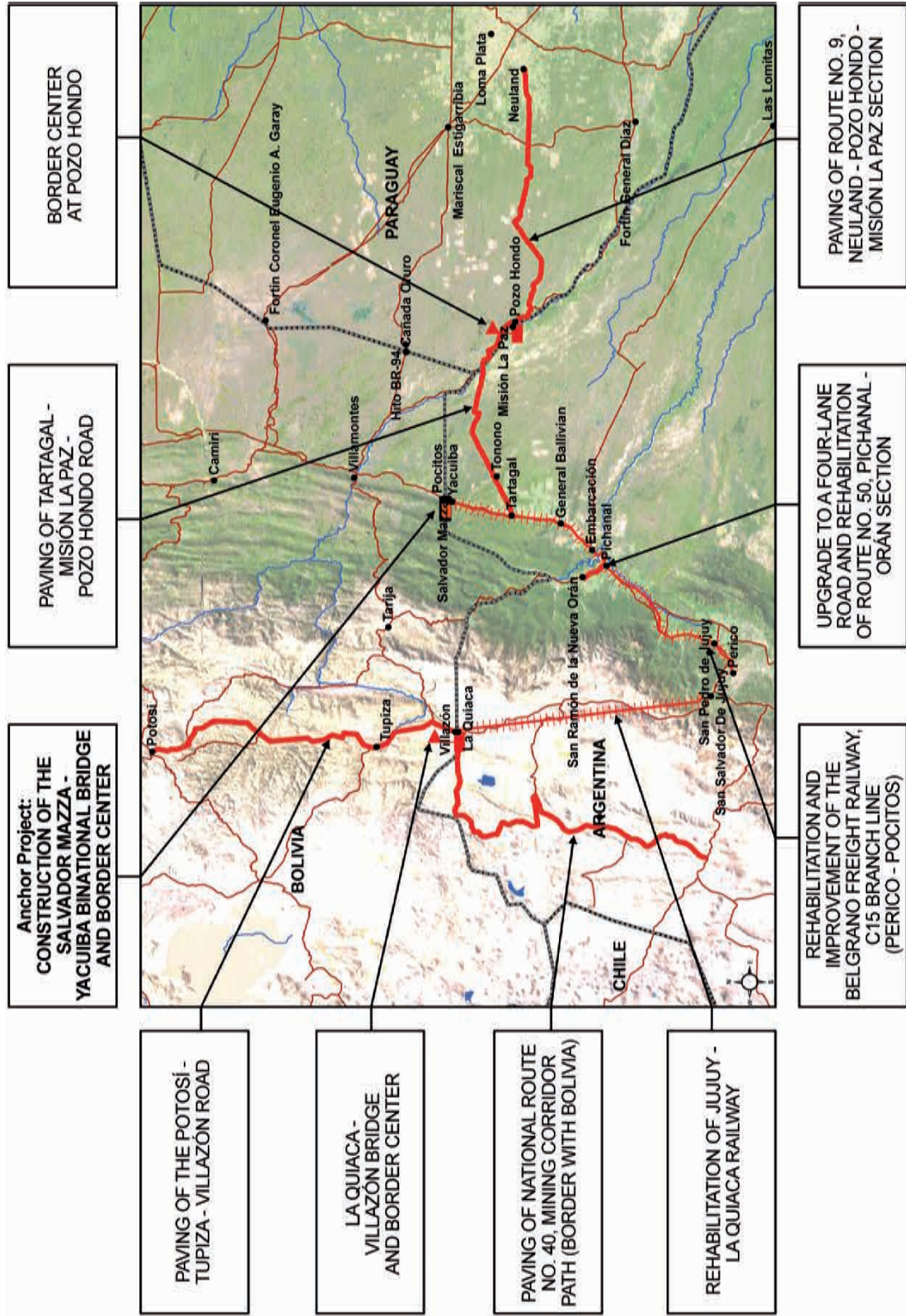
STRATEGIC FUNCTION

- Improve supply options in the northwest region in Argentina, the south of Bolivia and Paraguay
- Open an outlet to the Pacific for production from the northwest in Argentina and the south of Bolivia and Paraguay
- Increase competitiveness of the Hub's products
- Connectivity of northwestern Argentina and the north of Chile with the Paraguay-Paraná Waterway
- Take profit from the complementary opportunities for the development of integrated tourism (northwestern Argentina, south of Bolivia and north of Chile)

Code	Capricorn Hub: Group 1	Estimated Investment (US\$ million)
CAP01	Access Roads to Paso de Jama Border Crossing (National Route No. 52 - Intersection with National Route No. 9 - Border with Chile) (AR)	54.0
CAP02	Implementation of integrated (one-stop) Border Control at Paso de Jama Border Crossing (AR - CH)	4.0
CAP03	Electricity Interconnection between the Argentine Northwestern and Northeastern Regions (AR)	725.0
CAP04	Operational Rehabilitation of the Belgrano Freight Railway (AR)	350.0
CAP06	Paving of National Route No. 81 between Las Lomitas and the Intersection with National Route No. 34 (AR)	100.0
CAP07	Optimization of the Clorinda - Asunción Node (AR - PY)	101.2
CAP08	Enlargement of the Mejillones Port Complex (Phase I) (CH)	120.0
CAP09	Upgrade Works at Antofagasta Port (CH)	18.0
CAP37	Rehabilitation of the C3 Railway Branch Line: Resistencia - Avia Terai - Pinedo (AR)	104.0
CAP38	Rehabilitation of the C12 Railway Branch Line: Avia Terai - Metán (AR)	212.0
CAP39	Rehabilitation of the C14 Railway Branch Line: Salta - Socompa (AR)	60.0
CAP40	Rehabilitation of the C25 Railway Branch Line: Embarcación - Formosa (AR)	64.0
CAP41	Rehabilitation of the C18 Railway Branch Line: Joaquín V. González - Pichanal (AR)	50.0
CAP42	Rehabilitation of National Route No. 16 between the Intersection with National Route No. 11 and the Intersection with National Route No. 34 (AR)	350.0
CAP43	Paving of National Route No. 86 between Gral. Güemes and Pozo Hondo (AR)	200.0
CAP44	Paving of National Route No. 95 between the Intersection with National Route No. 81 and Villa Ángela (AR)	90.0
CAP46	Concession of Antofagasta Expressway (CH)	351.0
CAP47	Concession of Loa Route (CH)	389.0
CAP80	Mejillones Port Complex (CH)	80.0
CAP85	Susques Multimodal Node (AR)	0.0
CAP88	Antofagasta Airport (CH)	28.0
CAP89	Hlto Cajón Border Complex (CH)	5.0
CAP90	Paving of Road B-243, CH27 San Pedro - Tocopilla - Antofagasta Connection (CH)	3.0
CAP91	Bioceanic Railway Corridor, Chilean Section (Antofagasta - Socompa)(*) (CH)	0.0
CAP95	Upgrade of National Route No. 16 to a Four-lane Road between Resistencia and Sáenz Peña (AR)	300.0
	TOTAL	3,758.2

Note: * Pre-existing work. Eventually define actions required to incorporate the section to the Bioceanic Railway Corridor.

GROUP 2: SALTA - VILLAZÓN - YACUIBA - MARISCAL ESTIGARRIBIA

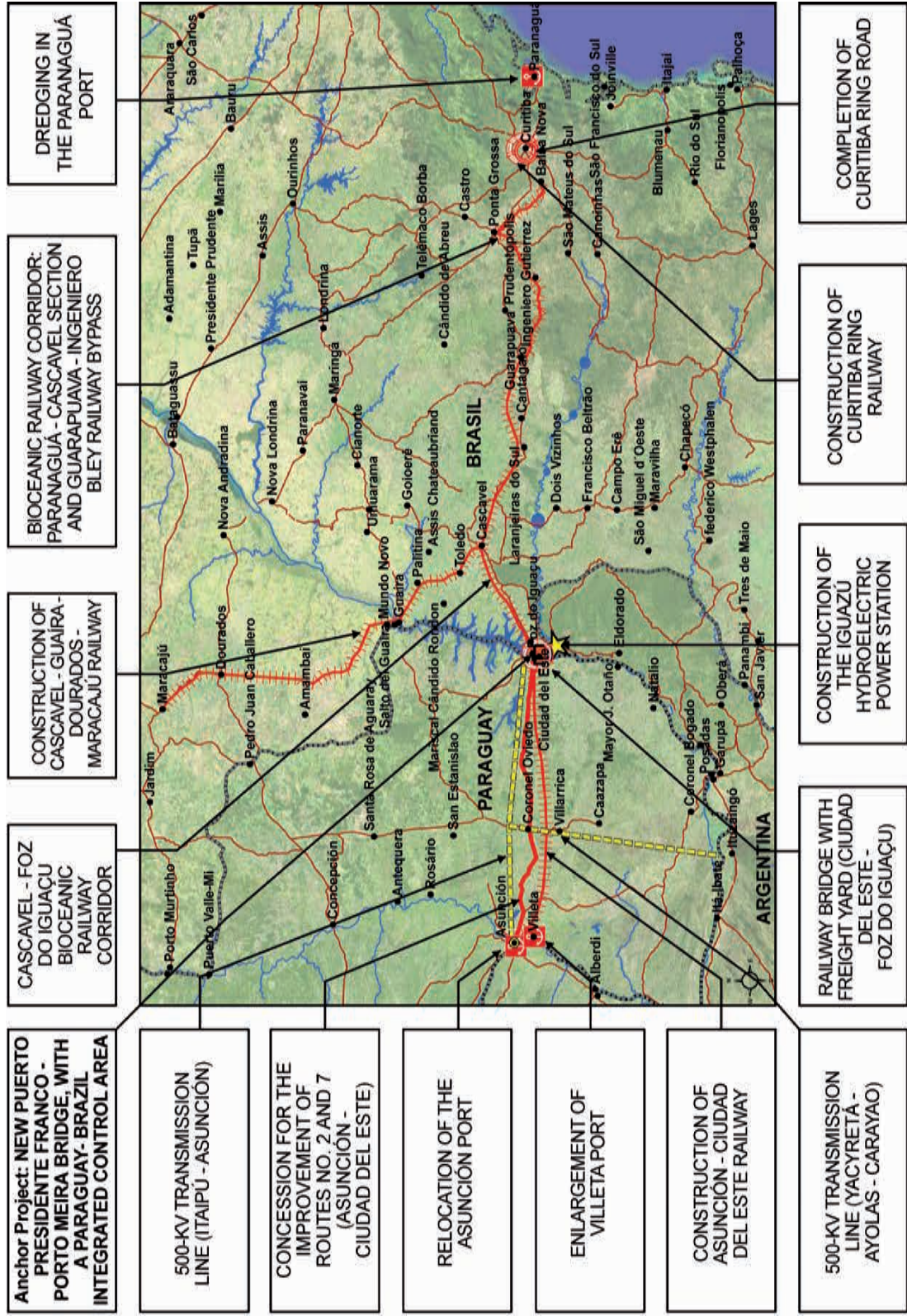


STRATEGIC FUNCTION

- Reduce costs and provide greater security to trade in goods and services among Argentina - Bolivia - Paraguay
- Articulate the Central Interoceanic and Capricorn Hubs

Code	Capricorn Hub: Group 2	Estimated Investment (US\$ million)
CAP10	Construction of the Salvador Mazza - Yacuiba Binational Bridge and Border Center (AR - BO)	23.0
CAP11	Rehabilitation of Jujuy - La Quiaca Railway (AR)	62.0
CAP12	Paving of Tartagal - Misión La Paz - Pozo Hondo Road (AR)	150.0
CAP48	Rehabilitation and Improvement of the Belgrano Freight Railway, C15 Branch Line (Perico - Pocitos) (AR)	60.0
CAP49	Upgrade to a Four-lane Road and Rehabilitation of Route No. 50, Pichanal - Orán Section (AR)	30.0
CAP50	Paving of National Route No. 40, Mining Corridor Path (Border with Bolivia) (AR)	400.0
CAP51	Border Center at Pozo Hondo (PY)	1.5
CAP70	Paving of National Route No. 9, Neuland - Pozo Hondo - Misión La Paz Section (PY)	144.0
CAP81	La Quiaca - Villazón Bridge and Border Center (AR - BO)	15.0
CAP92	Paving of the Potosí - Tupiza - Villazón Road (BO)	180.4
	TOTAL	1,065.9

GROUP 3: ASUNCIÓN - PARANAGUÁ

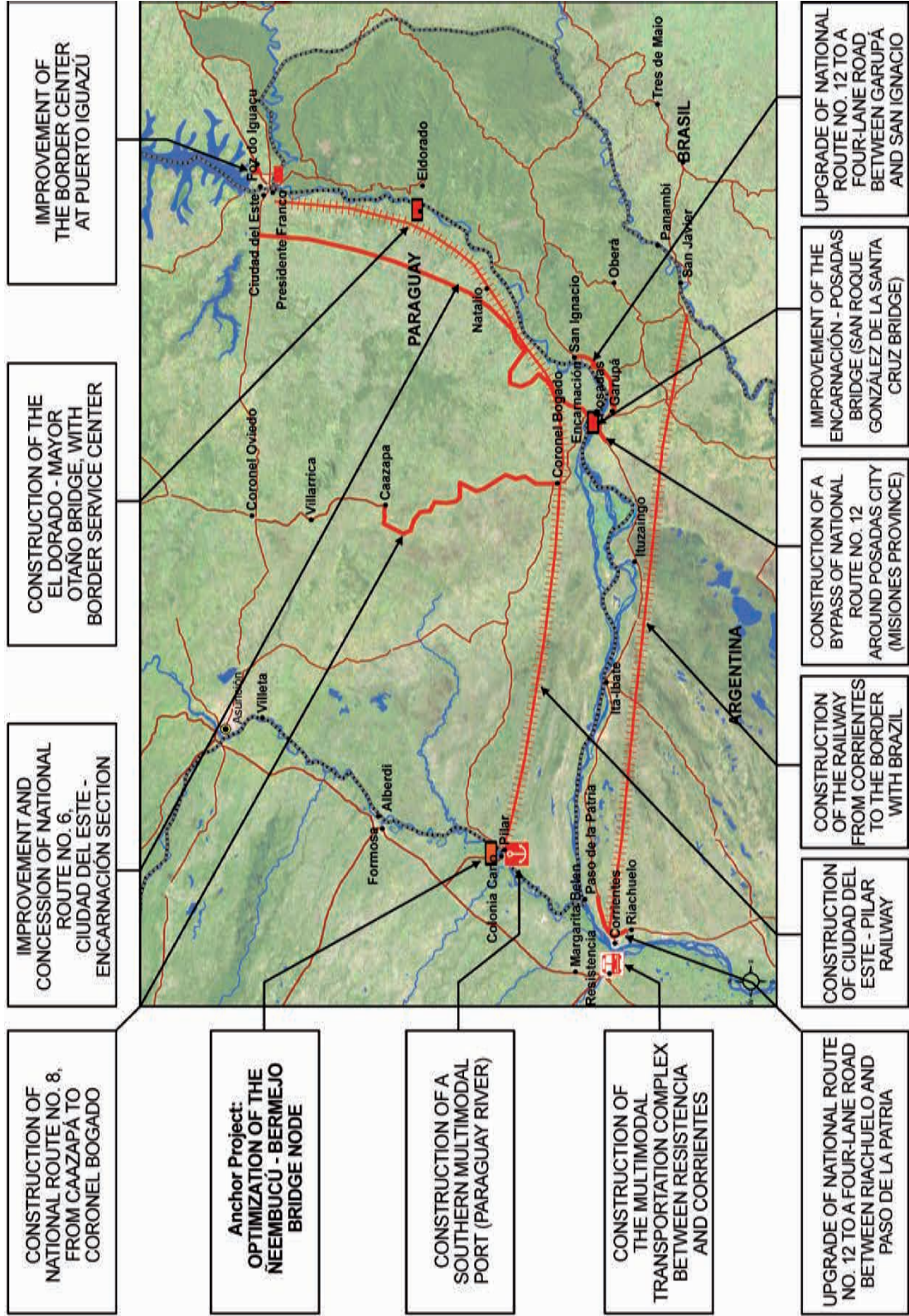


STRATEGIC FUNCTION

- Consolidate a high-capacity, low-cost system for moving bulk cargo from the region to international markets.
- Promote socio-economic regional development

Code	Capricorn Hub: Group 3	Estimated Investment (US\$ million)
CAP14	New Puerto Presidente Franco - Porto Meira Bridge, with a Paraguay - Brazil Border Center (BR - PY)	202.5
CAP15	Dredging in the Paranaguá Port (BR)	80.0
CAP16	Completion of Curitiba Ring Road (BR)	140.0
CAP17	Construction of Curitiba Ring Railway (BR))	250.0
CAP18	Concession for the Improvement of Routes No. 2 and 7 (Asunción - Ciudad del Este) (PY)	136.0
CAP19	Construction of Asunción - Ciudad del Este Railway (PY)	297.5
CAP20	Cascavel - Foz do Iguaçu Bioceanic Railway Corridor (BR)	0.0
CAP22	Relocation of the Asunción Port (PY)	25.0
CAP52	Railway Bridge with Freight Yard (Ciudad del Este - Foz do Iguaçu) (BR - PY)	0.0
CAP53	Bioceanic Railway Corridor: Paranaguá - Cascavel Section and Guarapuava - Ingeniero Bley Railway Bypass (BR)	0.0
CAP54	Enlargement of Villeta Port (PY)	30.0
CAP67	500-KV Transmission Line (Itaipu - Asunción) (BR - PY)	555.0
CAP68	500-KV Transmission Line (Yacyretá - Ayolas - Carayao) (PY)	200.0
CAP69	Construction of the Iguazú Hydroelectric Power Station (PY)	260.0
CAP93	Construction of Cascavel - Guaira - Dourados - Maracajú Railway (BR)	1,100.0
TOTAL		3,276.0

GROUP 4: PRESIDENTE FRANCO - PUERTO IGUAZÚ - PILAR - RESISTENCIA

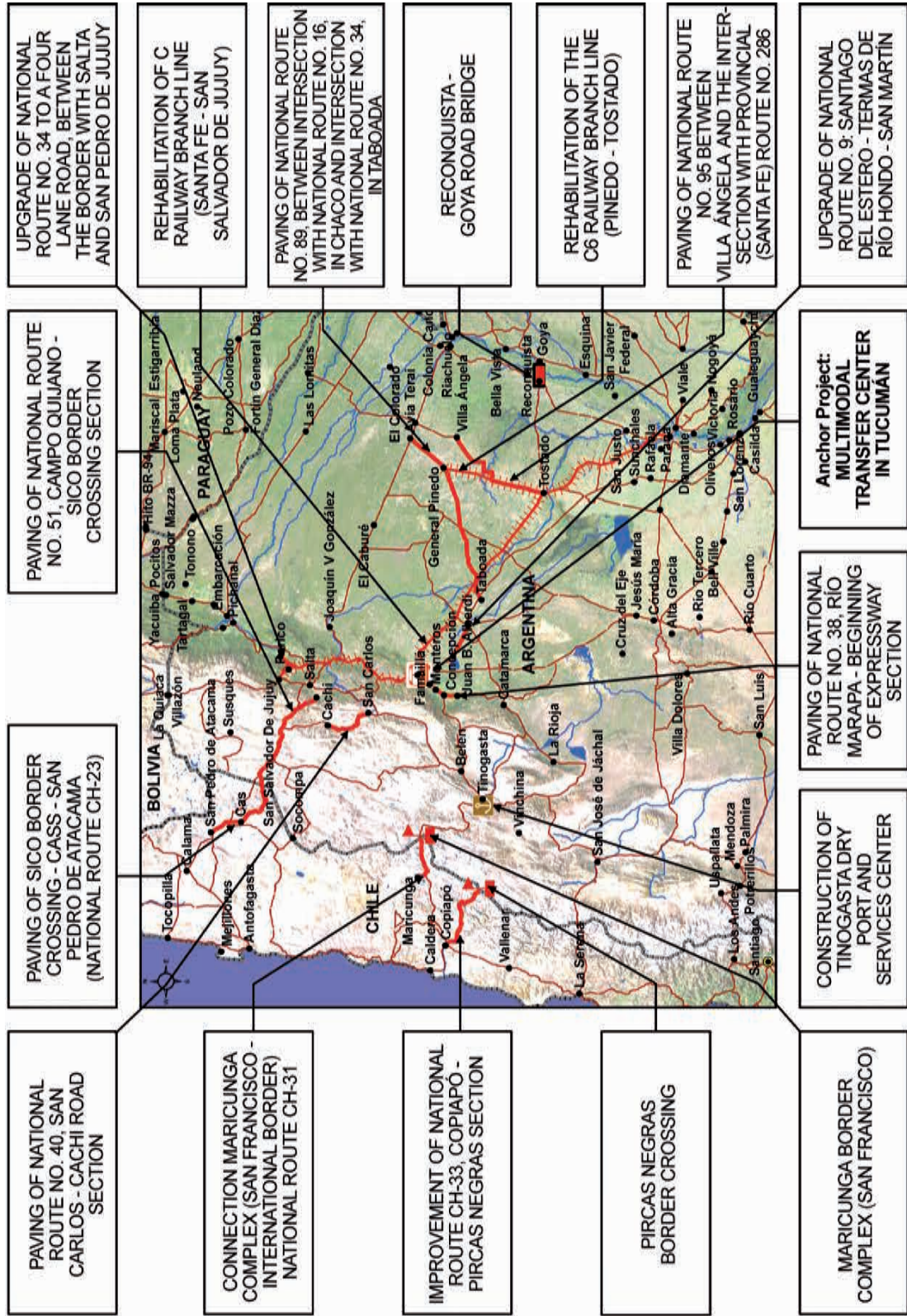


STRATEGIC FUNCTION

- Make intra-regional economic development more dynamic
- Improve options so as to have outlets for the region's products towards the Paraguay-Paraná Waterway

Code	Capricorn Hub: Group 4	Estimated Investment (US\$ million)
CAP23	Optimization of the Ñeembucú - Bermejo Bridge Node (AR - PY)	61.2
CAP24	Construction of the Railway from Corrientes to the Border with Brazil (AR)	0.0
CAP25	Construction of the Multimodal Transportation Complex between Resistencia and Corrientes (AR)	175.0
CAP26	Improvement of the Border Center at Puerto Iguazú (AR)	2.0
CAP27	Improvement of the Encarnación - Posadas Bridge (San Roque González de la Santa Cruz Bridge) (AR - PY)	52.2
CAP29	Construction of Ciudad del Este - Pilar Railway (PY)	438.6
CAP31	Construction of a Southern Multimodal Port (Paraguay River) (PY)	120.0
CAP32	Construction of National Route No. 8, from Caazapá to Coronel Bogado (PY)	181.0
CAP33	Improvement and Concession of National Route No. 6, Ciudad del Este - Encarnación Section (PY)	136.0
CAP56	Construction of a Bypass of National Route No. 12 around Posadas City (Misiones Province) (AR)	35.0
CAP94	Construction of the El Dorado - Mayor Otaño Bridge, with Border Service Center (AR - PY)	0.0
CAP96	Upgrade of National Route No, 12 to a Four-lane Road between Riachuelo and Paso de la Patria (AR)	80.0
CAP97	Upgrade of National Route No. 12 to a Four-lane Road between Garupá and San Ignacio (AR)	92.0
	TOTAL	1,373.0

GROUP 5: SOUTHERN CAPRICORN



STRATEGIC FUNCTION

- Implement intermodal articulation among the groups of the Capricorn Hub, the MERCOSUR-Chile Hub, the Central Interoceanic Hub, and the Paraguay-Paraná Waterway Hub
- Improve economic and social development, connectivity, and intra-regional integration
- Enable a new option for trade flows between the region and the Pacific markets

Code	Capricorn Hub: Group 5	Estimated Investment (US\$ million)
CAP57	Multimodal Transfer Center in Tucumán (AR)	20.0
CAP58	Rehabilitation of the C6 Railway Branch Line (Pinedo - Tostado) (AR)	100.0
CAP59	Rehabilitation of the C Railway Branch Line (Santa Fe - San Salvador de Jujuy) (AR)	270.0
CAP60	Reconquista - Goya Road Bridge (AR)	850.0
CAP61	Paving of National Route No. 95 between Villa Ángela and the Intersection with Provincial (Santa Fe) Route No. 286 (AR)	37.0
CAP62	Upgrade of National Route No. 34 to a Four-lane Road, between the Border with Salta and San Pedro de Jujuy (AR)	140.0
CAP63	Paving of National Route No. 38, Río Marapa - Beginning of Expressway Section (AR)	300.0
CAP64	Paving of National Route No. 40, San Carlos - Cachi Road Section (AR)	80.0
CAP65	Paving of National Route No. 89, between Intersection with National Route No. 16 in Chaco and Intersection with National Route No. 34, in Taboada (AR)	95.0
CAP72	Maricunga Border Complex (San Francisco) (CH)	4.0
CAP73	Connection Maricunga Complex (San Francisco - International Border) National Route CH-31 (CH)	70.0
CAP75	Paving of Sico Border Crossing - Cass - San Pedro de Atacama (National Route CH-23) (CH)	30.0
CAP76	Improvement of National Route CH-33, Copiapó - Pircas Negras Section (CH)	30.0
CAP77	Pircas Negras Border Crossing (AR - CH) (*)	5.0
CAP78	Paving of National Route No. 51, Campo Quijano - Sico Border Crossing Section (AR)	180.0
CAP82	Construction of Tinogasta Dry Port and Services Center (AR)	0.0
CAP98	Upgrade of National Rout No. 9: Santiago del Estero - Termas de Río Hondo - San Martín	275.0
TOTAL		2,486.0

Note: (*) Hinge project with Group 4 of the MERCOSUR-Chile Hub

Project Portfolio of the Capricorn Hub

General Aspects

The countries have agreed to include eighty projects in the Capricorn Hub, accounting for an estimated investment of US\$11,959.1 million, as summarized below:

Group	Name	Number of Projects	Estimated Investment (US\$ million)
Group 1	Antofagasta - Paso de Jama Border Crossing - Jujuy - Resistencia - Formosa - Asunción	25	3,758.2
Group 2	Salta - Villazón - Yacuiba - Mariscal Estigarribia	10	1,065.9
Group 3	Asunción - Paranaguá	15	3,276.0
Group 4	Presidente Franco - Puerto Iguazú - Pilar - Resistencia	13	1,373.0
Group 5	Southern Capricorn	17	2,486.0
TOTAL		80	11,959.1

Projects Lifecycle

Projects by Progress Attained

Stage	Number of Projects	Estimated Investment (US\$ million)
Profiling	16	954.0
Pre-execution	37	6,783.7
Execution	17	3,048.4
Concluido	10	1,173.0
TOTAL	80	11,959.1

Concluded Projects

Code	Project Name	Amount
CAP01	Access Roads to Paso de Jama Border Crossing (National Route No. 52 - Intersection with National Route No. 9 - Border with Chile) (AR)	54.0
CAP02	Implementation of integrated (one-stop) Border Control at Paso de Jama Border Crossing (AR - CH)	4.0
CAP03	Electricity Interconnection between the Argentine Northwestern and Northeastern Regions (AR)	725.0

Projects Lifecycle (cont.)

Code	Project Name	Amount
CAP06	Paving of National Route No. 81 between Las Lomitas and the Intersection with National Route No. 34 (AR)	100.0
CAP08	Enlargement of the Mejillones Port Complex (Phase I) (CH)	120.0
CAP09	Upgrade Works at Antofagasta Port (CH)	18.0
CAP56	Construction of a Bypass of National Route No. 12 around Posadas City (Misiones Province) (AR)	35.0
CAP61	Paving of National Route No. 95 between Villa Ángela and the Intersection with Provincial (Santa Fe) Route No. 286 (AR)	37.0
CAP80	Mejillones Port Complex (CH)	80.0
CAP91	Bioceanic Railway Corridor, Chilean Section (Antofagasta - Socompa) (*) (CH)	0.0
TOTAL		1.173,0

Sector-based Breakdown

Subsector	Transport		Energy	
	Number of Projects	Estimated Investment (US\$ million)	Number of Projects	Estimated Investment (US\$ million)
Air	1	28.0		
Road	36	6,119.3		
Railway	19	3,418.1		
River	3	175.0		
Sea	4	298.0		
Multimodal	3	20.0		
Border Crossings	10	160.7		
Power generation			1	260.0
Power interconnection			3	1,480.0
TOTAL	76	10,219.1	4	1,740.0

Project Typology

Air Transport

Project Typology	Number of Projects	Estimated Investment (US\$ million)
New airports	1	28.0
TOTAL	1	28.0

Road Transport

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Extension of the road capacity	9	1,793.0
Refitting of road and structures	5	853.0
Paving (new work)	15	1,957.4
Bridges (new ones and refitting)	5	1,340.9
Road by-pass and access to cities	2	175.0
TOTAL	36	6,119.3

Railway Transport

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Building of railways	8	1,836.1
Refitting of railways	10	1,332.0
Railway by-pass	1	250.0
TOTAL	19	3,418.1

River Transport

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Building of new river ports	1	120.0
Refitting of the existing river ports	2	55.0
TOTAL	3	175.0

Project Typology (cont.)

Sea Transport

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Extension of the road infrastructure of the maritime ports	2	98.0
Refitting of sea ports	2	200.0
TOTAL	4	298.0

Multimodal Transport

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Transfer stations	2	20.0
Multimodal transportation	1	0.0
TOTAL	3	20.0

Border Crossings

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Infrastructure for the setting up of border control centers	6	33.0
Refitting of existing infrastructure in border control centers	1	2.0
Extension of infrastructure and capacity of border control centers	3	125.7
TOTAL	10	160.7

Power Generation

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Hydroelectric plants (new ones and refitting) – microcentrals	1	260.0
TOTAL	1	260.0

Project Typology (cont.)

Power Interconnection

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Building of new power interconnections	3	1,480.0
TOTAL	3	1,480.0

Anchor Projects

The countries identified five anchor projects in the Capricorn Hub, totaling an estimated investment of US\$360.7 million, according to the following detail:

Group	Anchor Projects	Estimated Investment (US\$ million)	Financing Source	Scope	Project Stage
1	Access Roads to Paso de Jama Border Crossing (National Route No. 52 - Intersection with National Route No. 9 - Border with Chile) (AR)	54.0	Public	National	Concluded
2	Construction of the Salvador Mazza - Yacuiba Binational Bridge and Border Center (AR - BO)	23.0	Public	Binational	Pre-execution
3	New Puerto Presidente Franco - Porto Meira Bridge, with a Paraguay - Brazil Border Center (BR - PY)	202.5	Public	Binational	Pre-execution
4	Optimization of the Ñeembucú - Bermejo Bridge Node (AR - PY)	61.2	Public	Binational	Pre-execution
5	Multimodal Transfer Center in Tucumán (AR)	20.0	Public	National	Pre-execution
	TOTAL	360.7			

GUIANESE SHIELD HUB



Country members

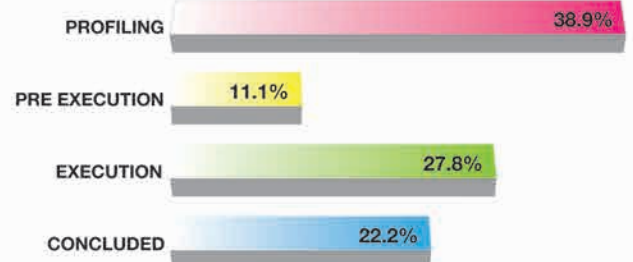


Total Number of project: 18

Investment: 4,465.4
(US\$ million)

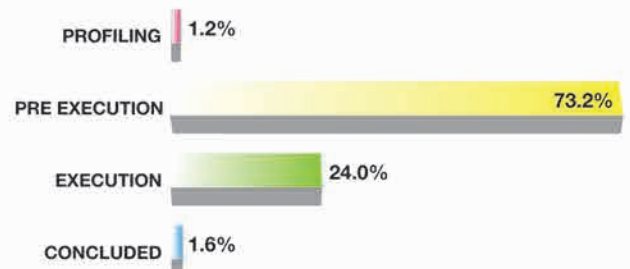
Total Number of project

Percentage by stage

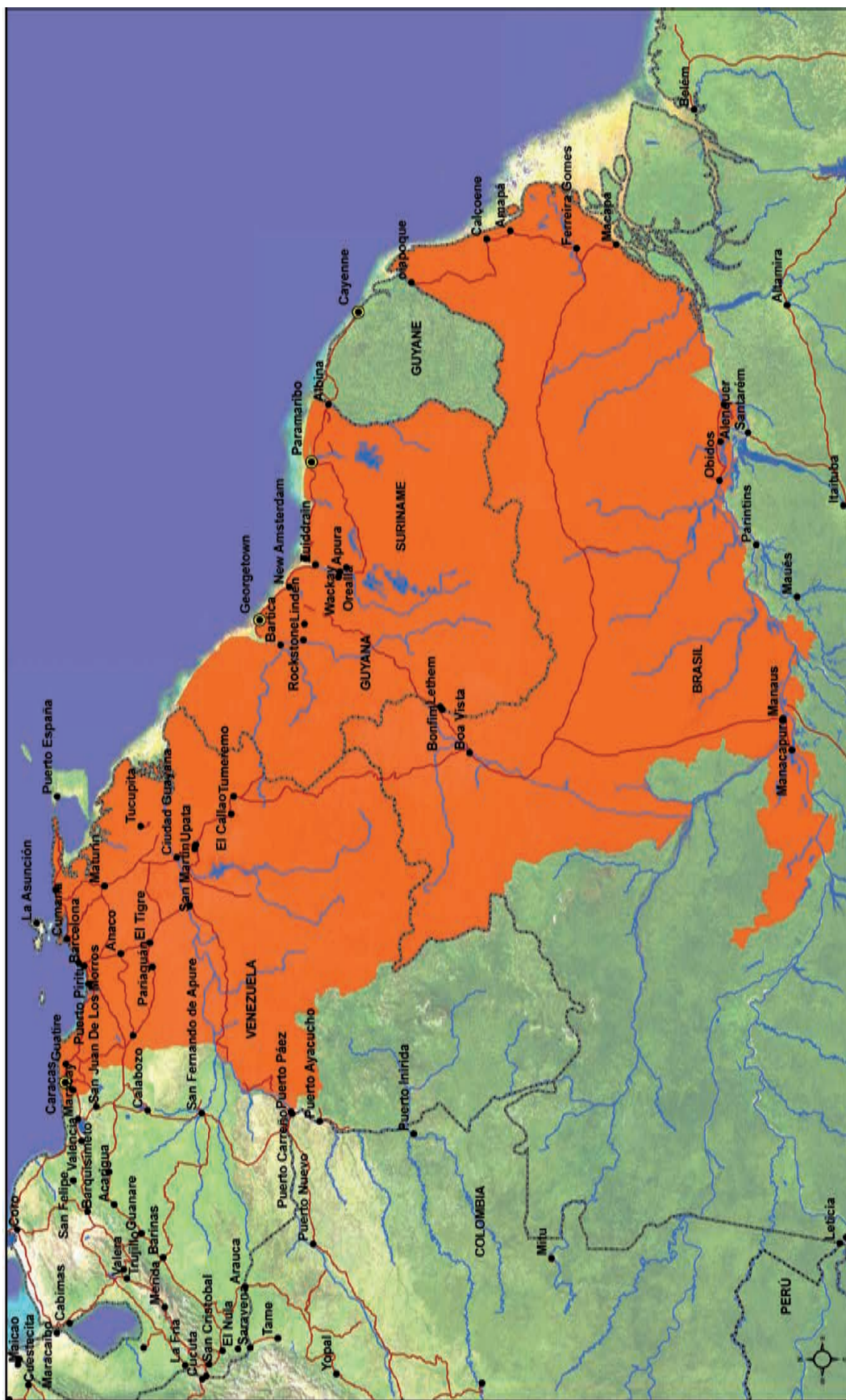


Investment

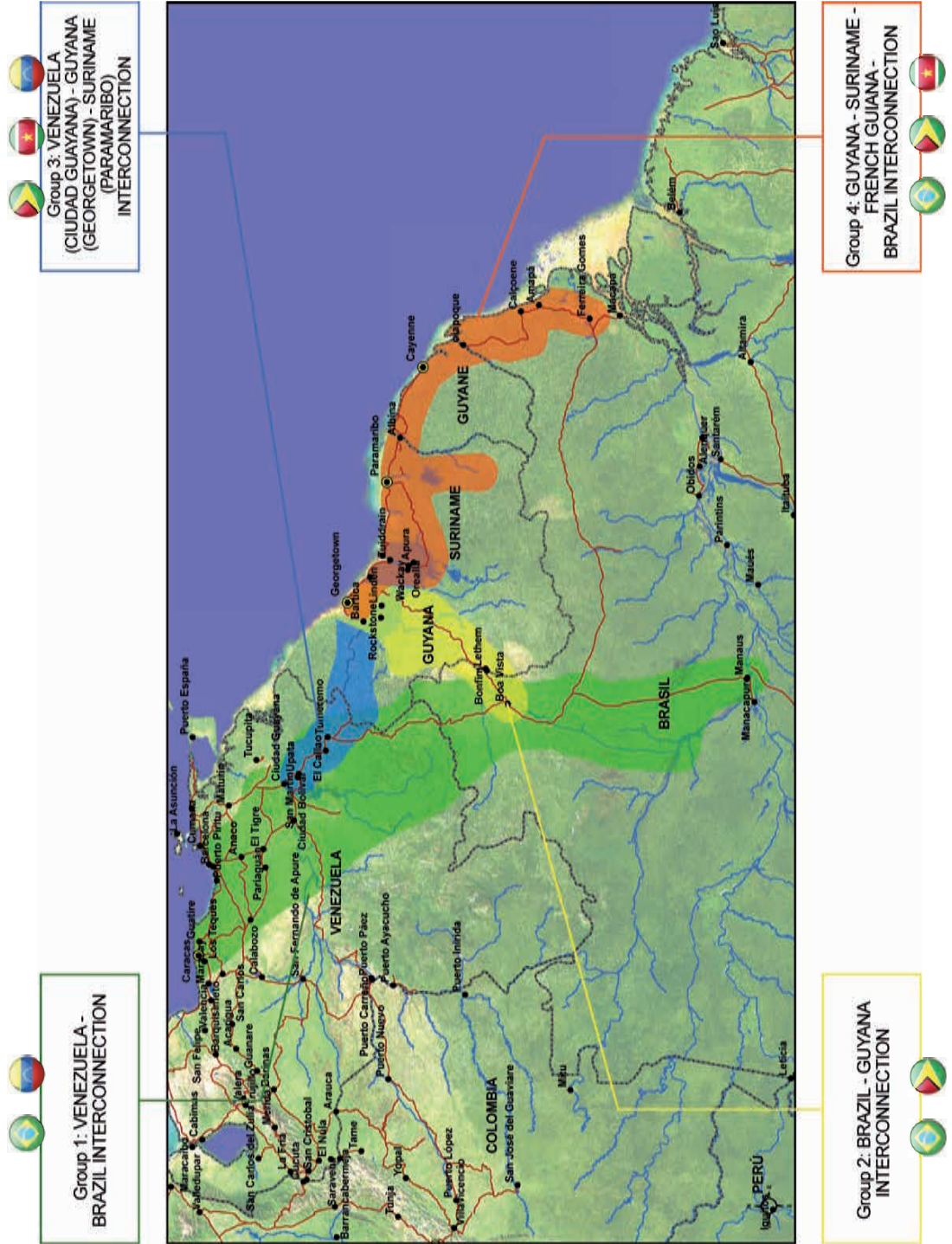
Percentage by stage



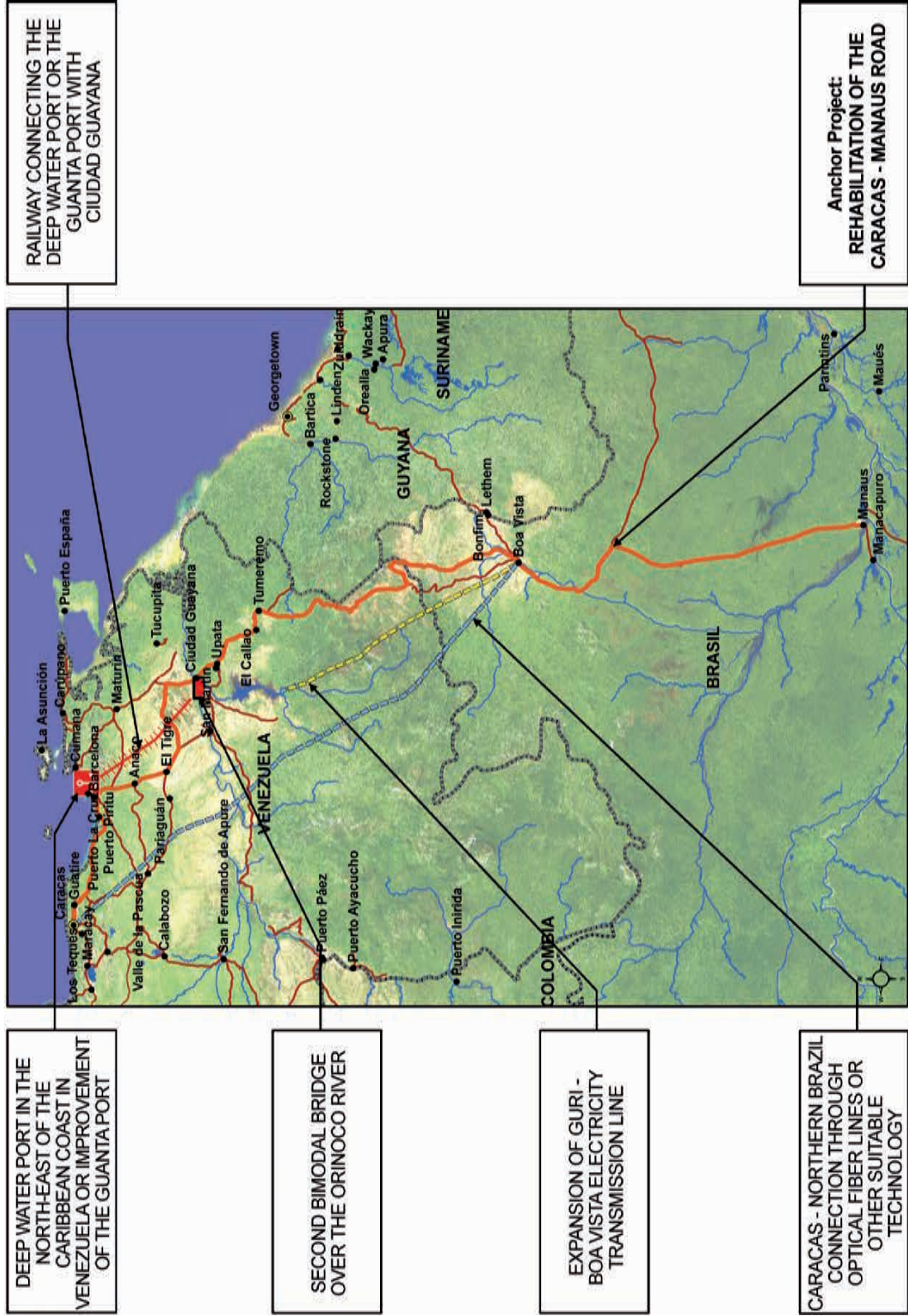
AREA OF INFLUENCE



PROJECT GROUPS



GROUP 1: VENEZUELA - BRAZIL INTERCONNECTION

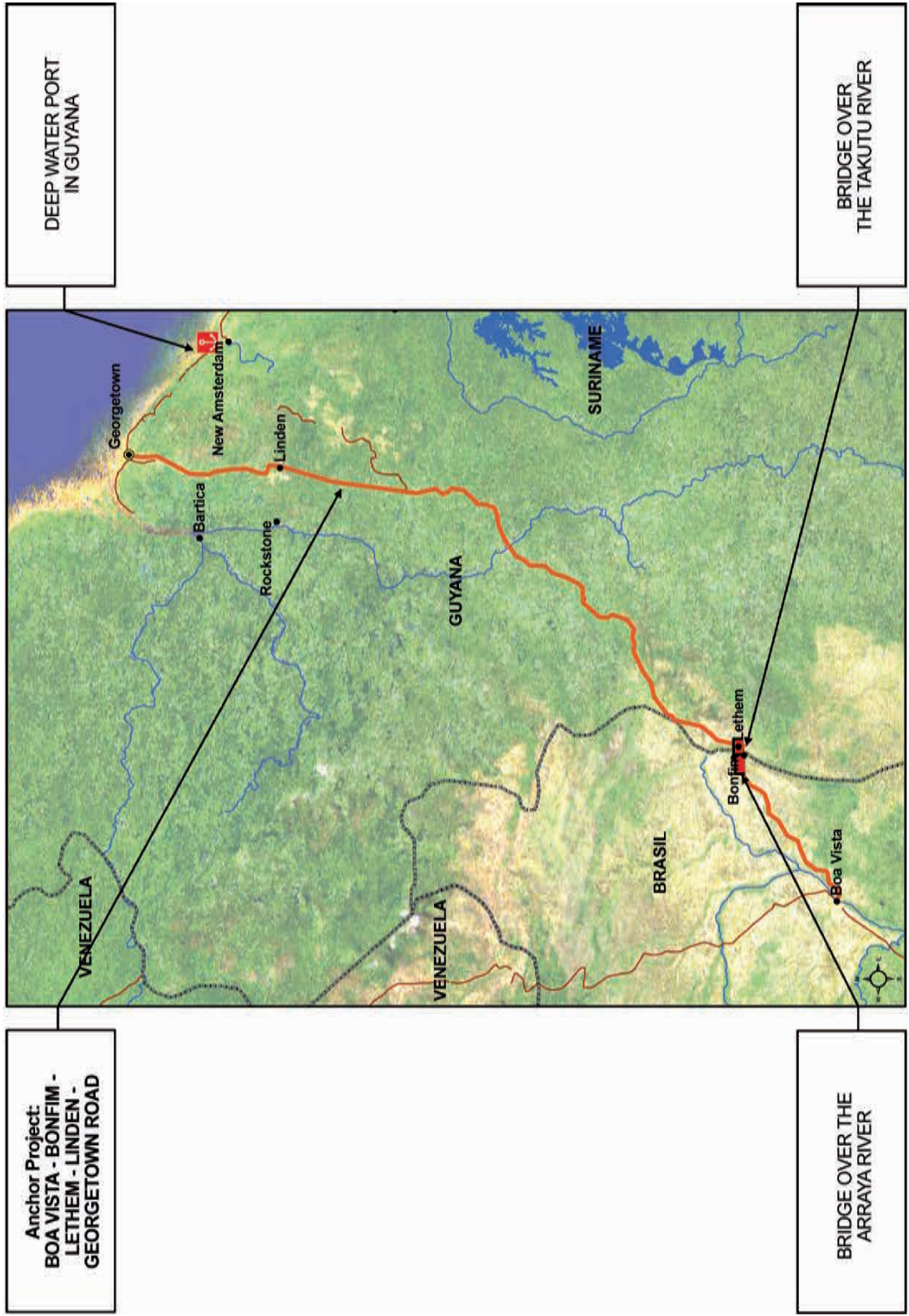


STRATEGIC FUNCTION

- Develop economic sectors having potential, such as heavy industry, durable goods, mining and jewelry, agribusiness and tourism (both ecotourism and Caribbean-style tourism), using the paved route between Caracas and Manaus and the transmission line between Guri and Boa Vista as the starting points
- Connect Manaus with the south of Venezuela

Code	Guianese Shield Hub: Group 1	Estimated Investment (US\$ million)
GUY01	Rehabilitation of the Caracas - Manaus Road (BR - VE)	350.0
GUY03	Deep Water Port in the North-East of the Caribbean Coast in Venezuela or Improvement of the Guanta Port (VE)	0.0
GUY04	Railway Connecting the Deep Water Port or the Guanta Port with Ciudad Guayana (VE)	0.0
GUY05	Second Bimodal Bridge over the Orinoco River (VE)	0.0
GUY07	Expansion of the Guri - Boa Vista Electricity Transmission Line (BR - VE)	3.0
GUY08	Caracas - Northern Brazil Connection through Optical Fiber Lines or Other Suitable Technology (BR - VE)	0.0
TOTAL		353.0

GROUP 2: BRAZIL - GUYANA INTERCONNECTION

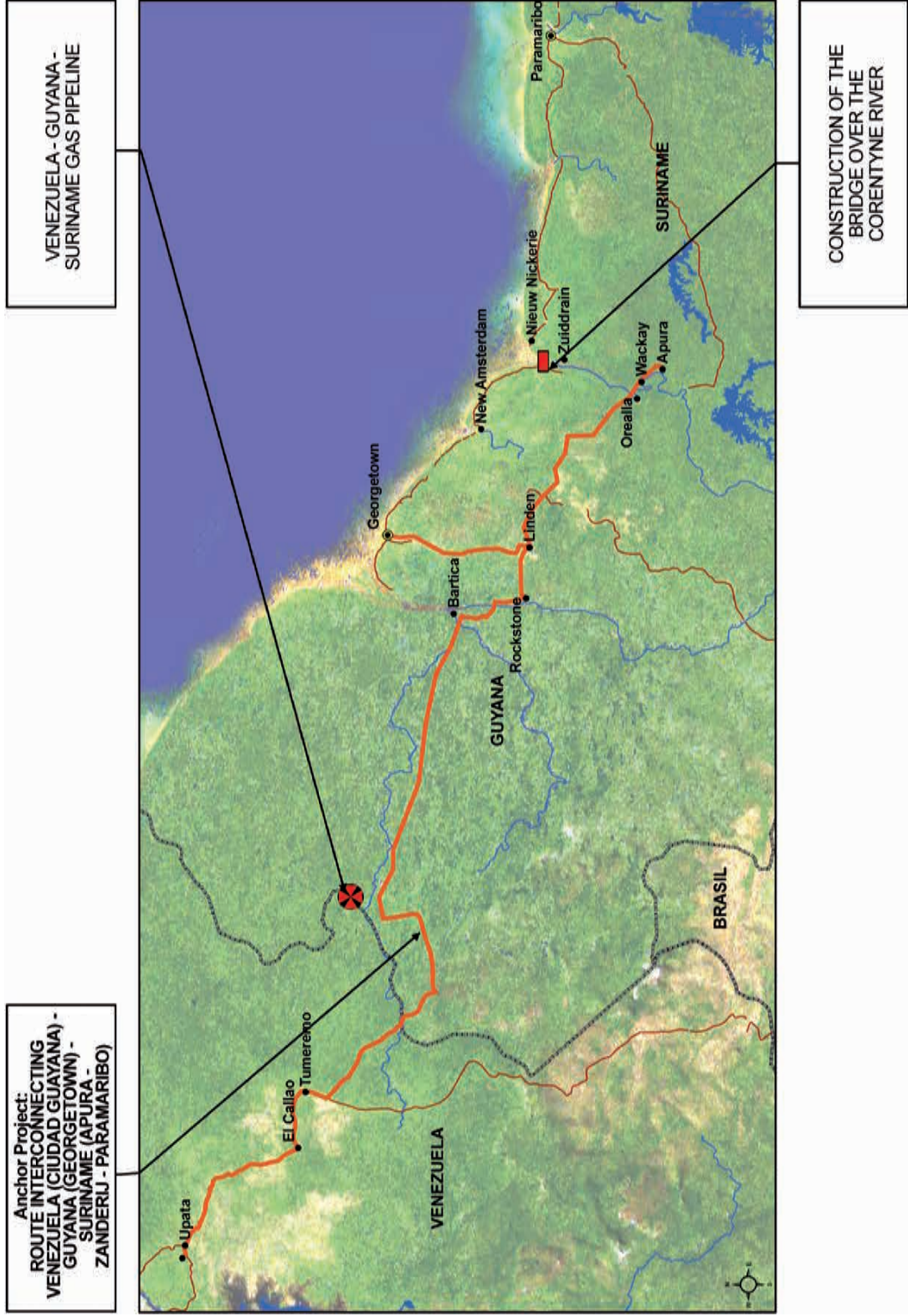


STRATEGIC FUNCTION

- Support the sustainable development and integration of the Brazilian states of Amazonas and Roraima with Guyana through the consolidation of the infrastructure that connects both countries

Code	Guianese Shield Hub: Group 2	Estimated Investment (US\$ million)
GUY09	Boa Vista - Bonfim - Lethem - Linden - Georgetown Road (BR - GU)	250.0
GUY10	Bridge over the Arraya River (BR)	1.5
GUY11	Bridge over the Takutu River (BR - GU)	10.0
GUY12	Deep Water Port in Guyana (GU)	0.0
TOTAL		261.5

GROUP 3: VENEZUELA (CIUDAD GUAYANA) - GUYANA (GEORGETOWN) - SURINAME (PARAMARIBO) INTERCONNECTION

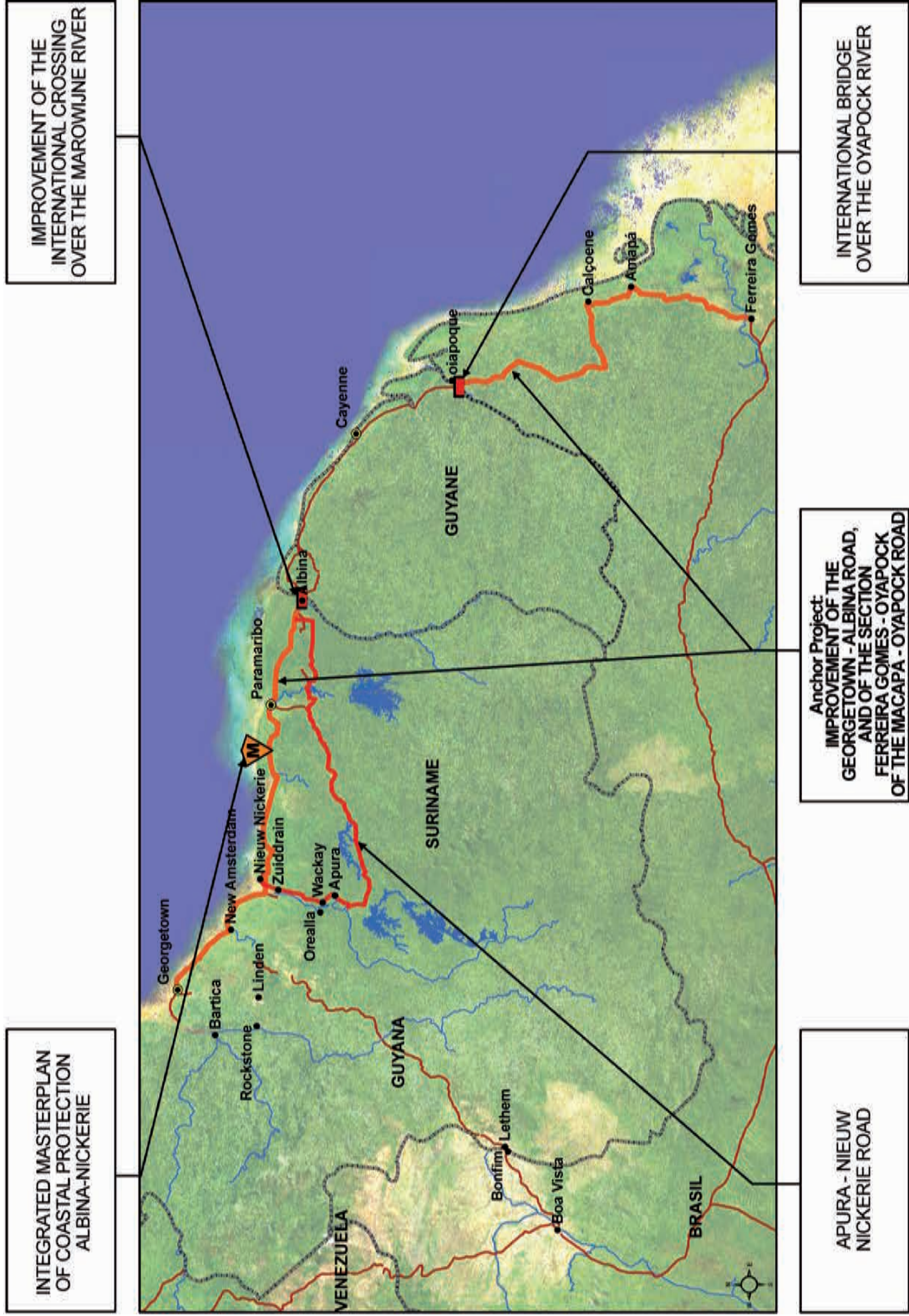


STRATEGIC FUNCTION

- Implement and develop an integration link in the north of South America that connects Venezuela, Guyana, and Suriname

Código	Eje del Escudo Guayanés: Grupo 3	Inversión Estimada (millones de US\$)
GUY18	Routes Interconnecting Venezuela (Ciudad Guayana) - Guyana (Georgetown) - Suriname (Apura - Zanderij - Paramaribo) (GU - SU - VE)	300.8
GUY24	Construction of the Bridge over the Corentyne River (GU- SU)	0.0
GUY38	Venezuela - Guyana - Suriname Gas Pipeline (GU - SU - VE)	0.0
TOTAL		300.8

GROUP 4: GUYANA - SURINAME - FRENCH GUIANA - BRAZIL INTERCONNECTION



STRATEGIC FUNCTION

- Consolidate an international physical connection to promote the sustainable development and the integration of Guyana, Suriname, and the Brazilian states of Amapá and Pará

Code	Guianese Shield Hub: Group 4	Estimated Investment (US\$ million)
GUY26	Improvement of the Georgetown - Albina Road, and of the Section Ferreira Gomes - Oyapock of the Macapá - Oyapock Road (BR - GU - SU)	350.1
GUY27	Improvement of the International Crossing over the Marowijne River (SU)	50.0
GUY29	Apura - Nieuw Nickerie Road (SU)	70.0
GUY35	International Bridge over the Oyapock River (BR)	60.0
GUY40	Integrated Masterplan of Coastal Protection Albina - Nickerie (SU)	3,020.0
TOTAL		3,550.1

Project Portfolio of the Guianese Shield Hub

General Aspects

The countries have agreed to include eighteen projects in the Guianese Shield Hub, accounting for an estimated investment of US\$4,465.4 million, as summarized below:

Group	Name	Number of Projects	Estimated Investment (US\$ million)
Group 1	Venezuela - Brazil Interconnection	6	353.0
Group 2	Brazil - Guyana Interconnection	4	261.5
Group 3	Venezuela (Ciudad Guayana) - Guyana (Georgetown) - Suriname (Paramaribo) Interconnection	3	300.8
Group 4	Guyana - Suriname - French Guiana - Brazil Interconnection	5	3,550.1
TOTAL		18	4,465.4

Projects Lifecycle

Projects by Progress Attained

Stage	Number of Projects	Estimated Investment (US\$ million)
Profiling	7	53.0
Pre-execution	2	3,270.0
Execution	5	1,070.9
Concluido	4	71.5
TOTAL		4,465.4

Concluded Projects

Código	Nombre del Proyecto	Monto
GUY08	Caracas - Northern Brazil Connection through Optical Fiber Lines or Other Suitable Technology (BR - VE)	0.0
GUY10	Bridge over the Arraya River (BR)	1.5
GUY11	Bridge over the Takutu River (BR - GU)	10.0
GUY35	International Bridge over the Oyapock River (BR)	60.0
TOTAL		71.5

Sector-based Breakdown

Subsector	Transport		Energy		Communications	
	Number of Projects	Estimated Investment (US\$ million)	Number of Projects	Estimated Investment (US\$ million)	Number of Projects	Estimated Investment (US\$ million)
Road	11	1,442.4				
Railway	1	0.0				
Sea	3	3,020.0				
Power generation			1	0.0		
Power interconnection			1	3.0		
Communications interconnection					1	0.0
TOTAL	15	4,462.4	2	3.0	1	0.0

Project Typology

Road Transport

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Refitting of roads and structures	2	420.1
Paving (new work)	2	550.8
Bridges (new ones and refitting)	6	121.5
Road maintenance	1	350.0
TOTAL	11	1,442.4

Railway Transport

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Building of railways	1	0.0
TOTAL	1	0.0

Sea Transport

Project Typology	Number of Projects	Estimated Investment (US\$ million)
New sea ports	2	0.0
Extension of the road infrastructure of the maritime ports	1	3,020.0
TOTAL	3	3,020.0

Project Typology (cont.)

Power Generation

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Other energy infrastructure	1	0.0
TOTAL	1	0.0

Power Interconnection

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Building of new power interconnections	1	3.0
TOTAL	1	3.0

Communication Interconnection

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Optical Fiber	1	0.0
TOTAL	1	0.0

Anchor Projects

The countries identified four anchor projects in the Guianese Shield Hub, totaling an estimated investment of US\$1,250.9 million, according to the following detail:

Group	Anchor Projects	Estimated Investment (US\$ million)	Financing Source	Scope	Project Stage
1	Rehabilitation of the Caracas - Manaus Road (BR - VE)	350.0	Public	Binational	Execution
2	Boa Vista - Bonfim - Lethem - Linden - Georgetown Road (BR - GU)	250.0	Public / Private	Binational	Pre-execution
3	Routes Interconnecting Venezuela (Ciudad Guayana) - Guyana (Georgetown) - Suriname (Apura - Zanderij - Paramaribo) (GU - SU - VE)	300.8	Public	Tri-national	Execution
4	Improvement of the Georgetown - Albina Road, and of the Section Ferreira Gomes - Oyapock of the Macapá - Oyapock Road (BR - GU - SU)	350.1	Public	Tri-national	Execution
	TOTAL	1,250.9			

PARAGUAY - PARANA WATERWAY HUB



Country members

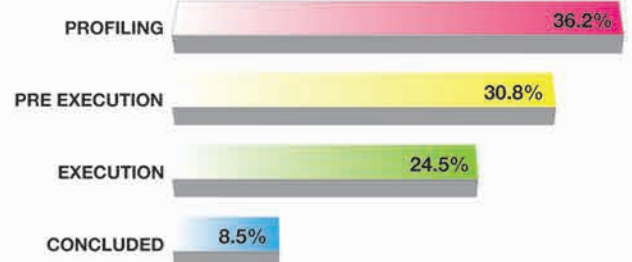


Total Number of project: 94

Investment: 8,460.7
(US\$ million)

Total Number of project

Percentage by stage

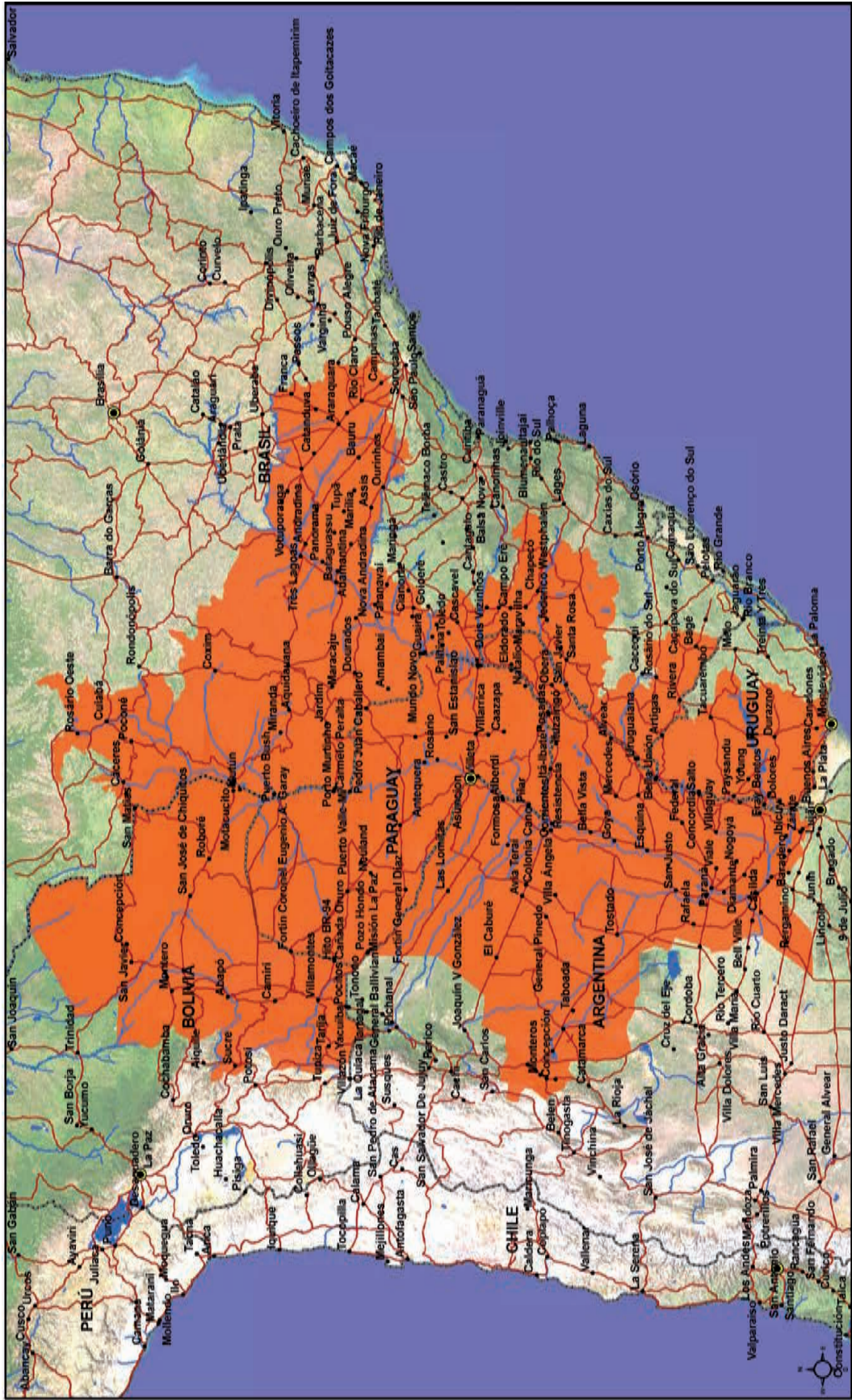


Investment

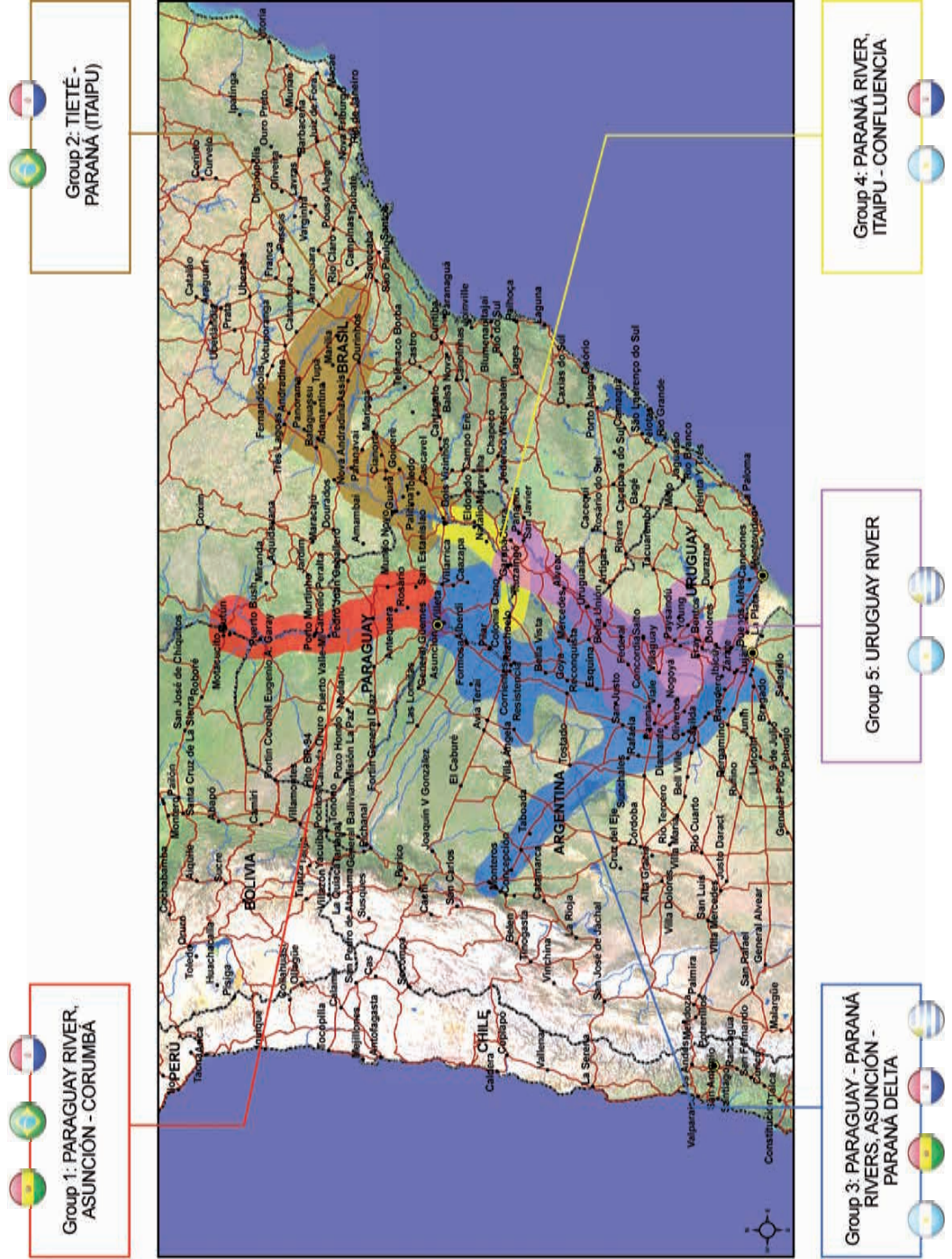
Percentage by stage



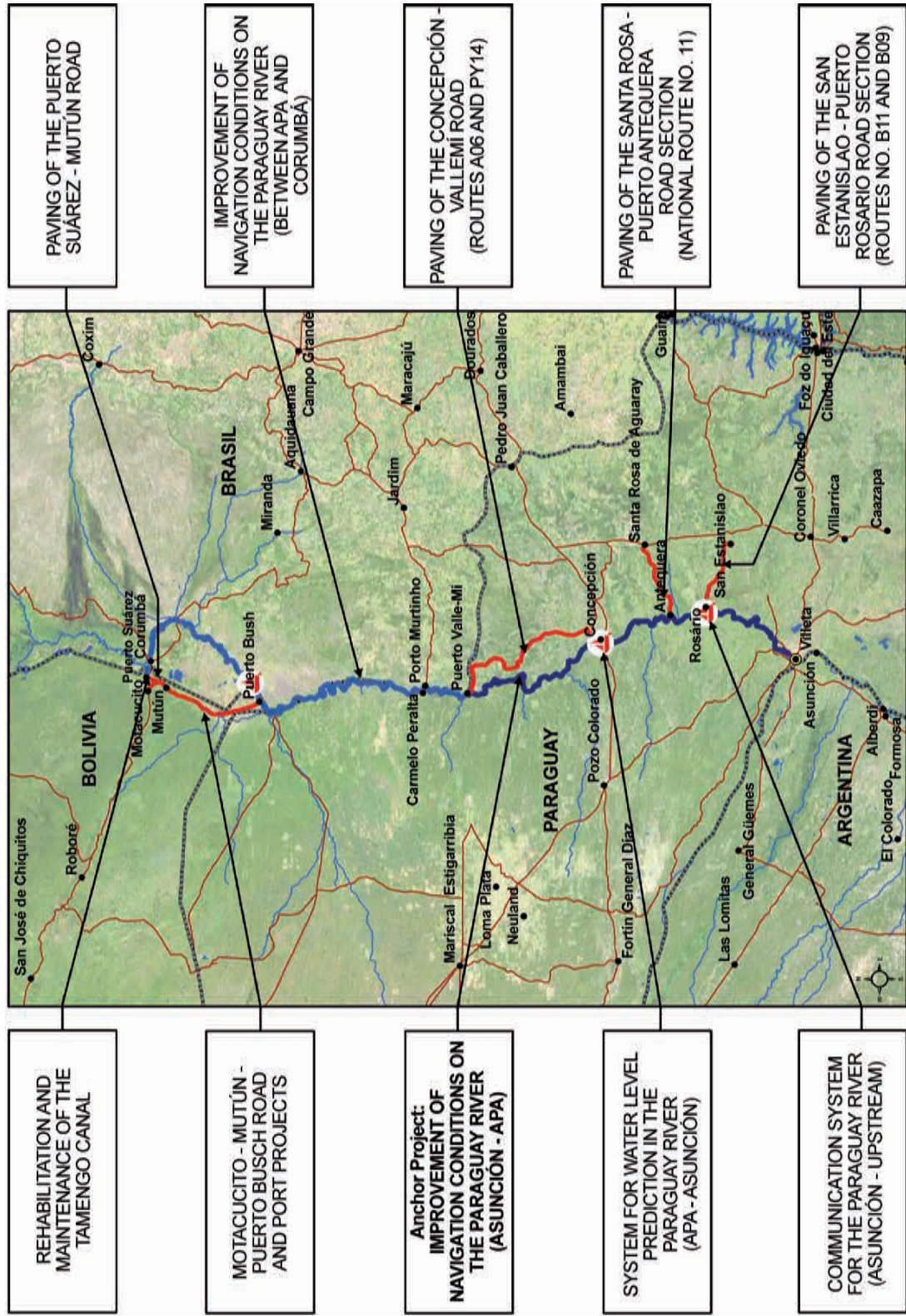
AREA OF INFLUENCE



PROJECT GROUPS



GROUP 1: PARAGUAY RIVER, ASUNCIÓN - CORUMBÁ

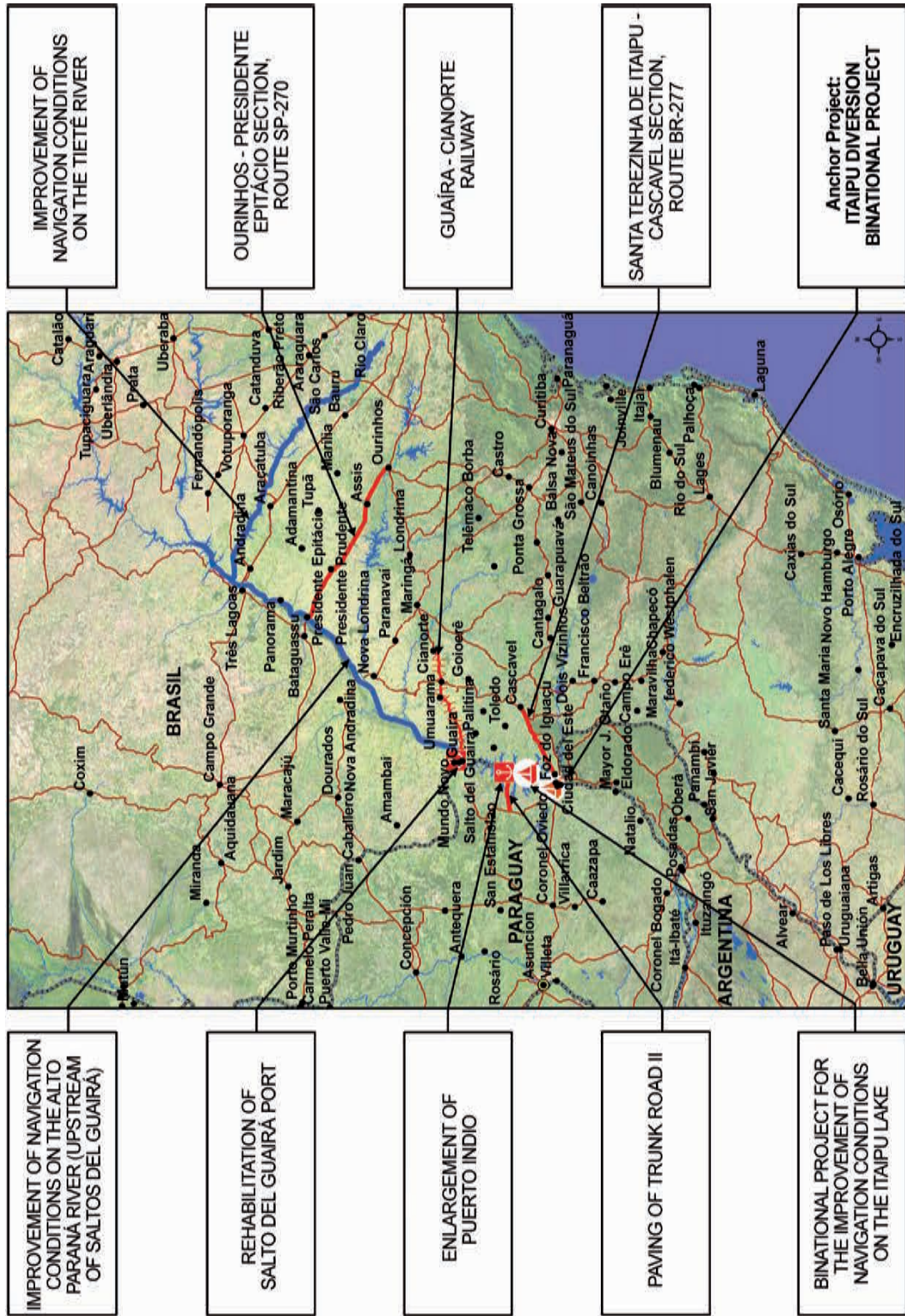


STRATEGIC FUNCTION

- Improve economic and social integration of the regions of Paraguay, Bolivia, and Brazil that share the basin
- Strengthen and boost the integration of the production chains along the Hub
- Strengthen competitiveness in inland countries and regions by efficiently connecting them to the Atlantic ocean

Code	Paraguay-Paraná Waterway Hub: Group 1	Estimated Investment (US\$ million)
HPP01	Motacucito - Mutún - Puerto Busch Road and Port Projects (BO)	202.9
HPP03	Paving of the Puerto Suárez - Mutún Road (BO)	18.8
HPP07	Improvement of Navigation Conditions on the Paraguay River between Apa and Corumbá (BO - BR - PY)	39.0
HPP08	Communications System for the Paraguay River (Asunción - Upstream) (BO - PY)	4.0
HPP09	Improvement of Navigation Conditions on the Paraguay River (Asunción - Apa) (PY)	88.2
HPP10	Paving of the San Estanislao - Puerto Rosario Road Section (Routes No. B11 and B09) (PY)	33.5
HPP11	Paving of the Santa Rosa - Puerto Antequera Road Section (National Route No. 11) (PY)	27.0
HPP12	Paving of the Concepción - Vallemí Road (Routes A06 and PY14) (PY)	90.0
HPP106	System for Water Level Prediction in the Paraguay River (Apa - Asunción) (BO - PY)	0.0
HPP122	Rehabilitation and Maintenance of the Tamengo Canal (BO)	10.5
	TOTAL	513.9

GROUP 2: TIETÉ - PARANÁ (ITAIPU)

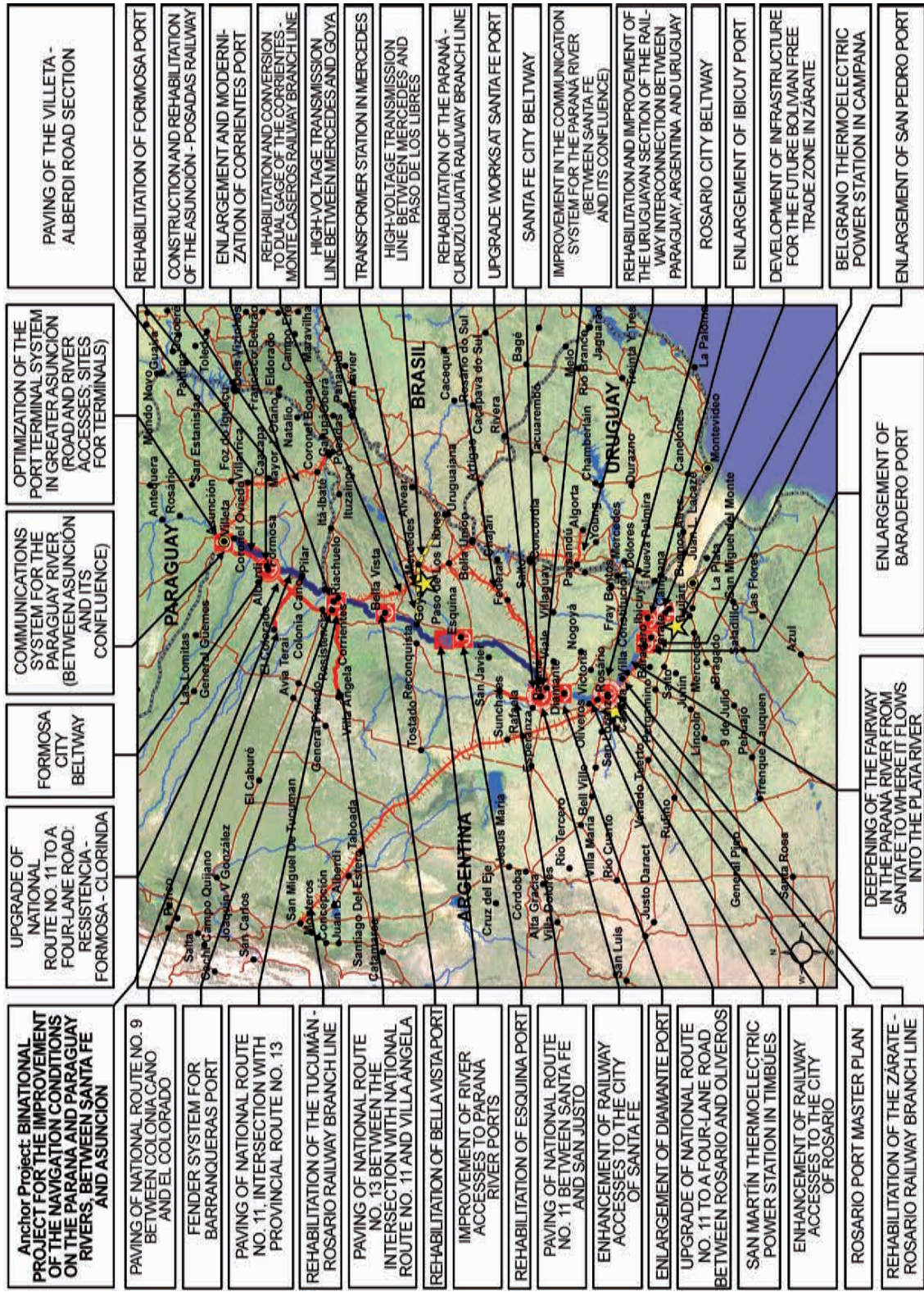


STRATEGIC FUNCTION

- Strengthen the socioeconomic dynamics in the area of influence of the group
- Improve the integration of production and consumption areas in the Tietê and Paraná basins
- Strengthen competitiveness in inland countries and regions by efficiently connecting them to the Atlantic ocean

Code	Paraguay-Paraná Waterway Hub: Group 2	Estimated Investment (US\$ million)
HPP15	Guaira - Cianorte Railway (BR)	300.0
HPP19	Improvement of Navigation Conditions on the Tietê River (BR)	1,200.0
HPP25	Santa Terezinha de Itaipu - Cascavel Section, Route BR-277 (BR)	0.0
HPP27	Ourinhos - Presidente Epitácio Section, Route SP-270 (BR)	900.0
HPP28	Itapú Diversion Binational Project (BR - PY)	0.0
HPP29	Binational Project for the Improvement of Navigation Conditions on the Itaipu Lake (BR - PY)	0.0
HPP30	Enlargement of Puerto Indio (PY)	1.2
HPP31	Rehabilitation of Salto del Guairá Port (PY)	0.8
HPP32	Paving of Trunk Road II (PY)	25.7
HPP108	Improvement of Navigation Conditions on the Alto Paraná River (Upstream of Saltos del Guairá) (BR)	56.0
TOTAL		2,483.7

GROUP 3: PARAGUAY - PARANÁ RIVERS, ASUNCIÓN - PARANÁ DELTA



STRATEGIC FUNCTION

- Strengthen and boost the integration of the production chains along the Hub
- Reinforce integration of inland countries and regions with global markets by efficiently connecting them to the Atlantic ocean
- Improve the efficiency of the production system of the region and the quality of life of the populations living in the area of influence of the group

Code	Paraguay-Paraná Waterway Hub: Group 3	Estimated Investment (US\$ million)
HPP05	Development of Infrastructure for the Future Bolivian Free Trade Zone in Zárate (BO) ⁽¹⁾	0.0
HPP33	Improvement in the Communications System for the Paraná River (between Santa Fe and its Confluence) (AR)	30.0
HPP34	Belgrano Thermoelectric Power Station in Campana (AR)	650.0
HPP35	San Martín Thermoelectric Power Station in Timbúes (AR)	500.0
HPP36	Transformer Station in Mercedes (AR)	25.0
HPP37	Rehabilitation of the Paraná - Curuzú Cuatiá Railway Branch Line (AR)	0.0
HPP38	Rehabilitation of the Tucumán - Rosario Railway Branch Line (AR)	200.0
HPP39	Rehabilitation and Conversion to Dual Gage of the Corrientes - Monte Caseros Railway Branch Line (AR)	0.0
HPP40	Enhancement of Railway Accesses to the City of Rosario (AR)	92.0
HPP41	Enhancement of Railway Accesses to the City of Santa Fe (AR)	0.0
HPP42	Binational Project for the Improvement of the Navigation Conditions on the Paraná and Paraguay Rivers, between Santa Fe and Asunción (AR - PY)	45.4
HPP43	Improvement of River Accesses to Paraná River Ports (AR)	15.0
HPP44	Deepening of the Fairway in the Paraná River from Santa Fe to where it flows into the Plata River (AR)	110.0
HPP45	Enlargement of Baradero Port (AR)	0.0
HPP46	Enlargement of Ibicuy Port (AR)	3.0
HPP47	Enlargement of San Pedro Port (AR)	36.0
HPP48	Enlargement of Diamante Port (AR)	1.5
HPP49	Enlargement and Modernization of Corrientes Port (AR)	12.0
HPP50	Rosario Port Master Plan (AR)	8.0
HPP51	Rehabilitation of Bella Vista Port (AR)	10.0
HPP52	Rehabilitation of Esquina Port (AR)	7.0
HPP53	Upgrade Works at Santa Fe Port (AR)	110.0
HPP54	Fender System for Barranqueras Port (AR)	10.0

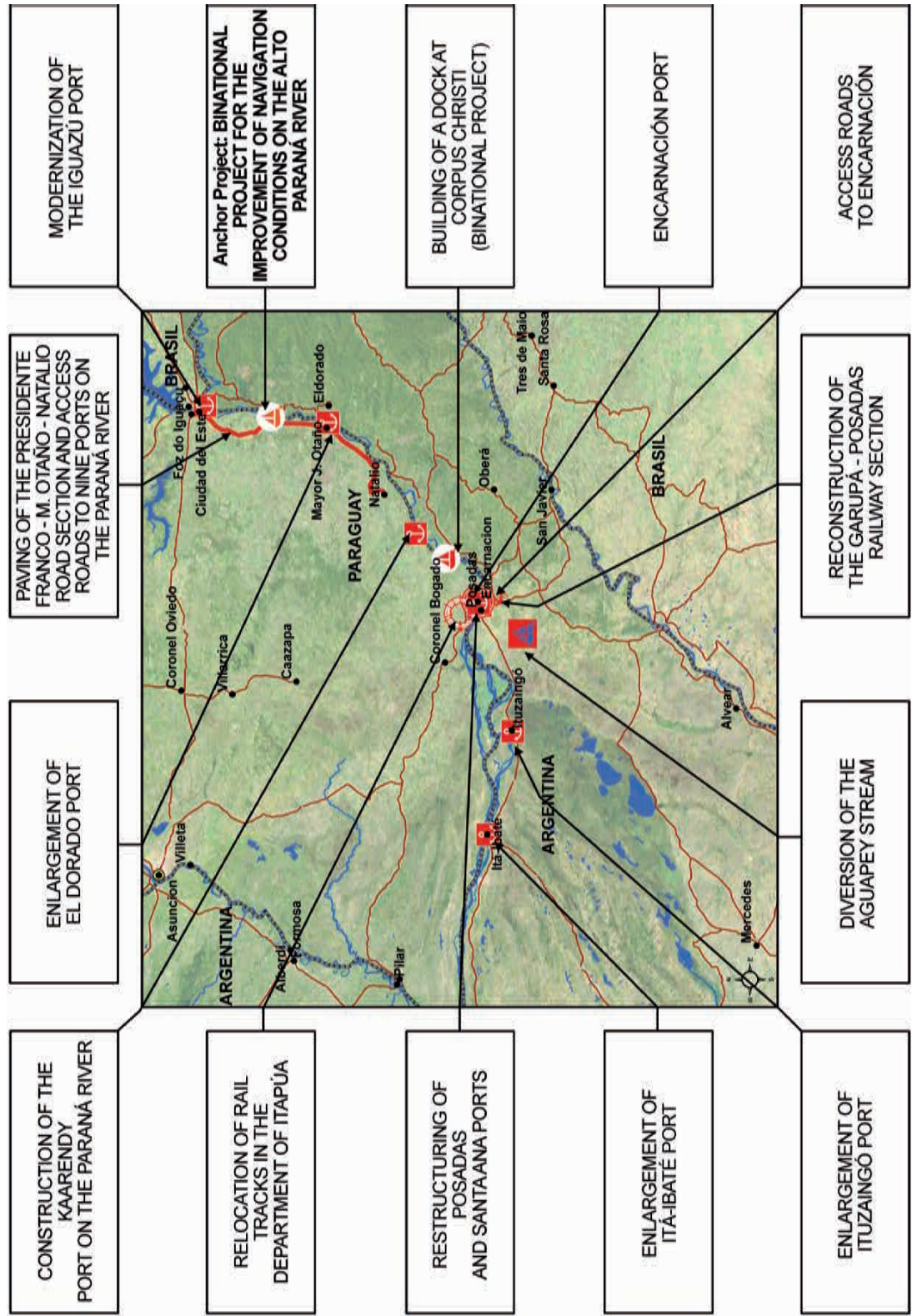
(cont.)

PARAGUAY-PARANÁ WATERWAY

Code	Paraguay-Paraná Waterway Hub: Group 3	Estimated Investment (US\$ million)
HPP55	Formosa City Beltway (AR)	25.0
HPP56	Santa Fe City Beltway (AR)	200.0
HPP57	Rosario City Beltway (AR)	600.0
HPP58	Paving of National Route No. 11, Intersection with Provincial Route No. 13 (AR)	70.0
HPP59	Paving of National Route No. 11 between Santa Fe and San Justo (AR)	40.0
HPP60	Paving of National Route No. 13 between the Intersection with National Route No. 11 and Villa Ángela (AR)	90.0
HPP61	Paving of Provincial Route No. 9 between Colonia Cano and El Colorado (AR)	40.0
HPP62	Communications System for the Paraguay River (between Asunción and Its Confluence) (PY)	3.0
HPP63	Optimization of the Port Terminal System in Greater Asunción (Road and River Accesses; Sites for Terminals) (PY)	0.0
HPP64	Paving of the Villeta - Alberdi Road Section (PY)	51.0
HPP65	Rehabilitation and Improvement of the Uruguayan section of the Railway Interconnection between Paraguay, Argentina and Uruguay (AR - PY - UY)	127.3
HPP67	Rehabilitation of the Zárate - Rosario Railway Branch Line (AR)	42.0
HPP98	Rehabilitation of Formosa Port (AR)	6.0
HPP103	Construction and Rehabilitation of the Asunción - Posadas Railway (AR - PY)	166.0
HPP116	High-voltage Transmission Line between Mercedes and Goya (AR)	25.0
HPP117	High-voltage Transmission Line between Mercedes and Paso de Los Libres (AR)	15.0
HPP123	Upgrade of National Route No. 11 to a Four-lane Road between Rosario and Oliveros (AR)	68.0
HPP124	Upgrade of National Route No. 11 to a Four-lane Road: Resistencia - Formosa - Clorinda (AR)	500.0
TOTAL		3,933.2

Note: (*) The final inclusion of this project will be subject of the results of bilateral discussions.

GROUP 4: PARANÁ RIVER, ITAIPU - CONFLUENCE

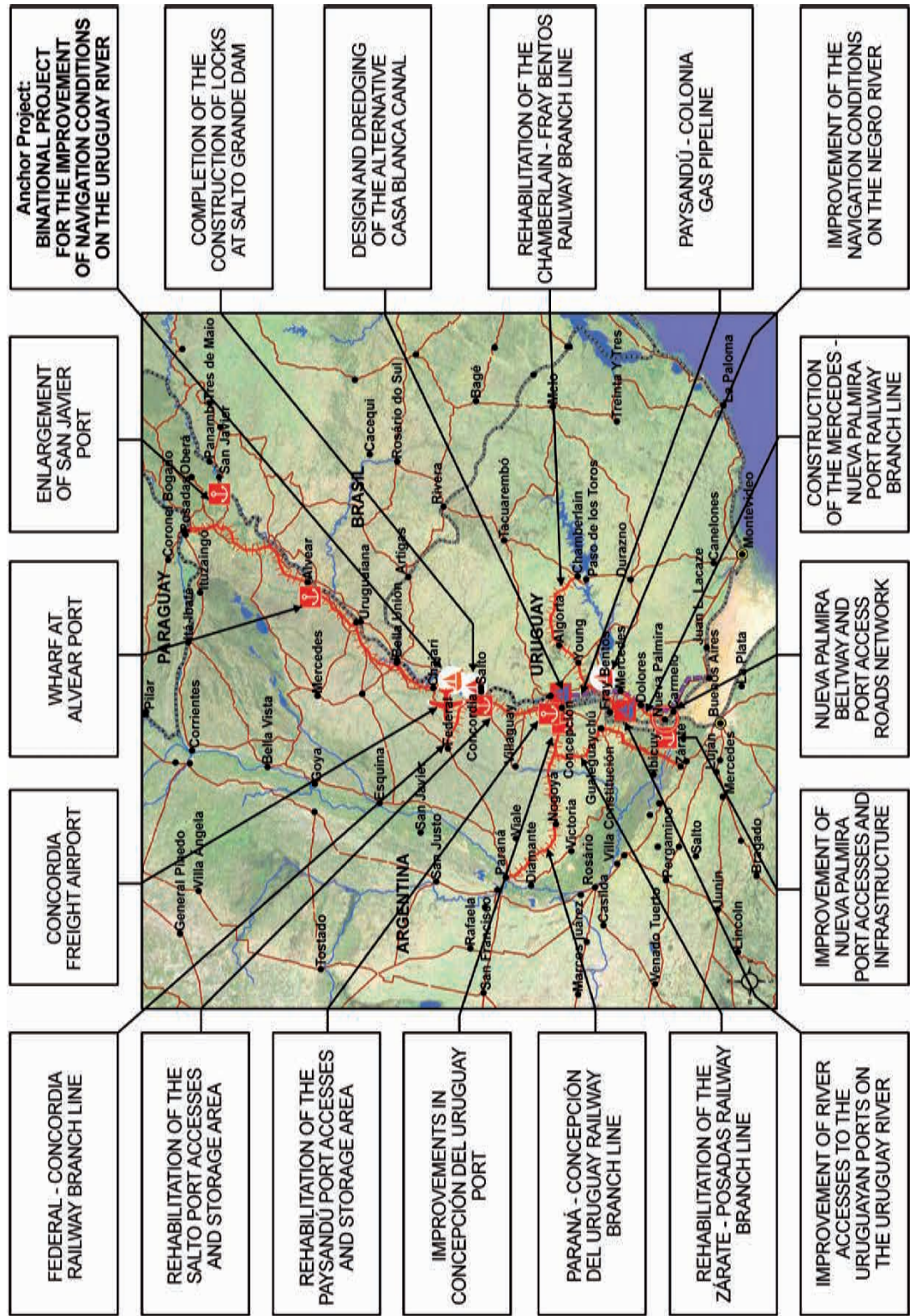


STRATEGIC FUNCTION

- Strengthen the socioeconomic dynamics in the area of influence of the group
- Improve the integration of the production and consumption areas in the Tietê and Paraná basins.
- Strengthen competitiveness of inland countries and regions by efficiently connecting them to the Atlantic ocean.

Code	Paraguay-Paraná Waterway Hub: Group 4	Estimated Investment (US\$ million)
HPP66	Restructuring of Posadas and Santa Ana Ports (AR)	10.0
HPP68	Enlargement of El Dorado Port (AR)	0.0
HPP69	Enlargement of Ituzaingó Port (AR)	27.0
HPP70	Enlargement of Itá-Ibaté Port (AR)	10.0
HPP71	Building of a Dock at Corpus Christi (Binational Project) (AR - PY)	0.0
HPP72	Binational Project for the Improvement of Navigation Conditions on the Alto Paraná River (AR - PY)	0.0
HPP73	Access Roads to Encarnación (PY)	26.0
HPP76	Relocation of Rail Tracks in the Department of Itapúa (PY)	90.0
HPP77	Diversion of the Aguapey Stream (PY)	64.0
HPP78	Construction of the Kaarendy Port on the Paraná River (PY)	9.9
HPP79	Paving of the Presidente Franco - M. Otaño - Natalio Road Section and Access Roads to Nine Ports on the Paraná River (PY)	142.0
HPP80	Modernization of the Iguazú Port (AR)	0.0
HPP105	Reconstruction of the Garupá - Posadas Railway Section (AR)	100.0
HPP107	Encarnación Port (PY)	18.0
TOTAL		496.9

GROUP 5: URUGUAY RIVER



STRATEGIC FUNCTION

- Strengthen the socioeconomic dynamics in the area of influence of the group
- Implement an efficient regional system of river and port activities with a view to improving access to the Atlantic

Code	Paraguay-Paraná Waterway Hub: Group 5	Estimated Investment (US\$ million)
HPP82	Rehabilitation of the Zárate - Posadas Railway Branch Line (AR)	0.0
HPP83	Improvement of River Accesses to the Uruguayan Ports on the Uruguay River (UY)	1.0
HPP84	Enlargement of San Javier Port (AR)	0.0
HPP85	Wharf at Alvear Port (AR)	0.0
HPP86	Improvements in Concepción del Uruguay Port (AR)	8.0
HPP87	Completion of the Construction of Locks at Salto Grande Dam (AR - UY)	300.0
HPP88	Binational Project for the Improvement of Navigation Conditions on the Uruguay River (AR - UY)	40.0
HPP89	Paysandú - Colonia Gas Pipeline (UY)	90.0
HPP90	Construction of the Mercedes - Nueva Palmira Port Railway Branch Line (UY)	90.0
HPP92	Design and Dredging of the Alternative Casa Blanca Canal (UY)	3.0
HPP94	Improvement of Nueva Palmira Port Accesses and Infrastructure (UY)	10.0
HPP95	Rehabilitation of the Paysandú Port, Accesses and Storage Area (UY)	6.0
HPP96	Rehabilitation of the Salto Port, Accesses and Storage Area (UY)	4.0
HPP97	Nueva Palmira Beltway and Port Access Roads Network (UY)	15.0
HPP115	Improvement of the Navigation Conditions on the Negro River (UY)	350.0
HPP118	Concordia Freight Airport (AR)	0.0
HPP119	Paraná - Concepción del Uruguay Railway Branch Line (AR)	8.0
HPP120	Rehabilitation of the Chamberlain - Fray Bentos Railway Branch Line (UY)	100.0
HPP121	Federal - Concordia Railway Branch Line (AR)	8.0
	TOTAL	1,033.0

Project Portfolio of the Paraguay-Paraná Waterway Hub

General Aspects

The countries have agreed to include ninety-four projects in the Paraguay-Paraná Waterway Hub, accounting for an estimated investment of US\$8,460.7 million, as summarized below:

Group	Name	Number of Projects	Estimated Investment (US\$ million)
Group 1	Paraguay River, Asunción - Corumbá	10	513.9
Group 2	Tietê - Paraná (Itaipu)	10	2,483.7
Group 3	Paraguay - Paraná Rivers, Asunción – Paraná Delta	41	3,933.2
Group 4	Paraná River, Itaipu - Confluence	14	496.9
Group 5	Uruguay River	19	1,033.0
	TOTAL	94	8,460.7

Projects Lifecycle

Projects by Progress Attained

Stage	Number of Projects	Estimated Investment (US\$ million)
Profiling	34	2,093.6
Pre-execution	29	1,528.8
Execution	23	3,539.3
Concluded	8	1,299.0
	94	8,460.7

Concluded Projects

Código	Nombre del Proyecto	Monto
HPP107	Encarnación Port (PY)	18.0
HPP34	Belgrano Thermoelectric Power Station in Campana (AR)	650.0
HPP35	San Martín Thermoelectric Power Station in Timbúes (AR)	500.0
HPP36	Transformer Station in Mercedes (AR)	25.0
HPP73	Access Roads to Encarnación (PY)	26.0
HPP77	Diversion of the Aguapey Stream (PY)	64.0
HPP94	Improvement of Nueva Palmira Port Accesses and Infrastructure (UY)	10.0
HPP95	Rehabilitation of the Paysandú Port, Accesses and Storage Area (UY)	6.0
	TOTAL	1,299.0

Sector-based Breakdown

Subsector	Transport		Energy		Communications	
	Number of Projects	Estimated Investment (US\$ million)	Number of Projects	Estimated Investment (US\$ million)	Number of Projects	Estimated Investment (US\$ million)
Air	1	0.0				
Road	21	2,961.9				
Railway	16	1,323.3				
River	44	2,566.6				
Multimodal	2	202.9				
Power generation			3	1,214.0		
Power interconnection			4	155.0		
Communications interconnection					3	37.0
TOTAL	84	7,054.7	7	1,369.0	3	37.0

Project Typology

Air Transport

Project Typology	Number of Projects	Estimated Investment (US\$ million)
New airports	1	0.0
TOTAL	1	0.0

Road Transport

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Extension of the road capacity	7	1,603.6
Refitting of road and structures	1	0.0
Paving (new work)	8	492.3
Road by-pass and access to cities	5	866.0
TOTAL	21	2,961.9

Railway Transport

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Building of railways	4	406.0
Refitting of railways	10	825.3
Railway by-pass	2	92.0
TOTAL	16	1,323.3

River Transport

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Improvement of river navigability	18	2,258.3
Building of new river ports	2	27.8
Refitting of the existing river ports	24	280.5
TOTAL	44	2,566.6

Multimodal Transport

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Transfer stations	1	0.0
Multimodal transportation	1	202.9
TOTAL	2	202.9

Power Generation

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Hydroelectric plants (new ones and refitting) - microcentrals	1	64.0
Thermoelectric plants	2	1,150.0
TOTAL	3	1,214.0

Power Interconnection

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Building of new power interconnections	4	155.0
TOTAL	4	155.0

Project Typology (cont.)

Communication

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Optical fiber	3	37.0
TOTAL	3	37.0

Anchor Projects

The countries identified five anchor projects in the Paraguay-Paraná Waterway Hub, totaling an estimated investment of US\$173.6 million, according to the following detail:

Group	Anchor Projects	Estimated Investment (US\$ million)	Financing Source	Scope	Project Stage
1	Improvement of Navigation Conditions on the Paraguay River (Asunción - Apa) (PY)	88.2	Public	National	Pre-execution
2	Itaipu Diversion Binational Project (BR - PY)	0.0	Public/Private	Binational	Pre-execution
3	Binational Project for the Improvement of the Navigation Conditions on the Paraná and Paraguay Rivers, between Santa Fe and Asunción (AR - PY)	45.4	Public	Binational	Execution
4	Binational Project for the Improvement of Navigation Conditions on the Alto Paraná River (AR - PY)	0.0	Public	Binational	Profiling
5	Binational Project for the Improvement of the Navigation Conditions on the Uruguay River (AR - UY)	40.0	Public/Private	Binational	Execution
TOTAL		173.6			

CENTRAL INTEROCEANIC HUB



Country members

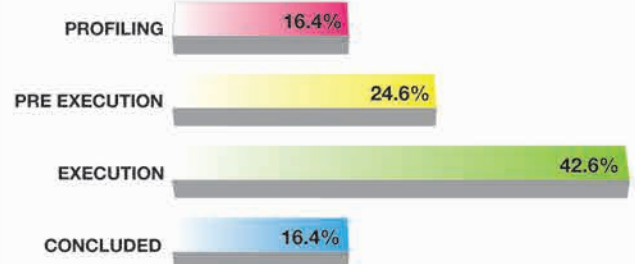


Total Number of project: 61

Investment: 5,209.2
(US\$ million)

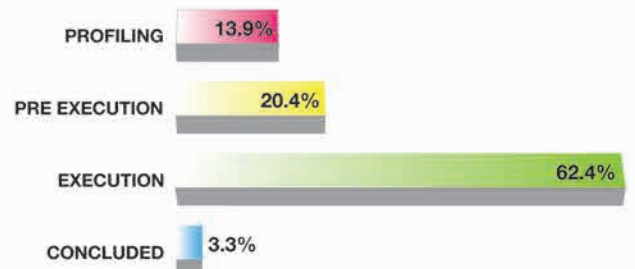
Total Number of project

Percentage by stage

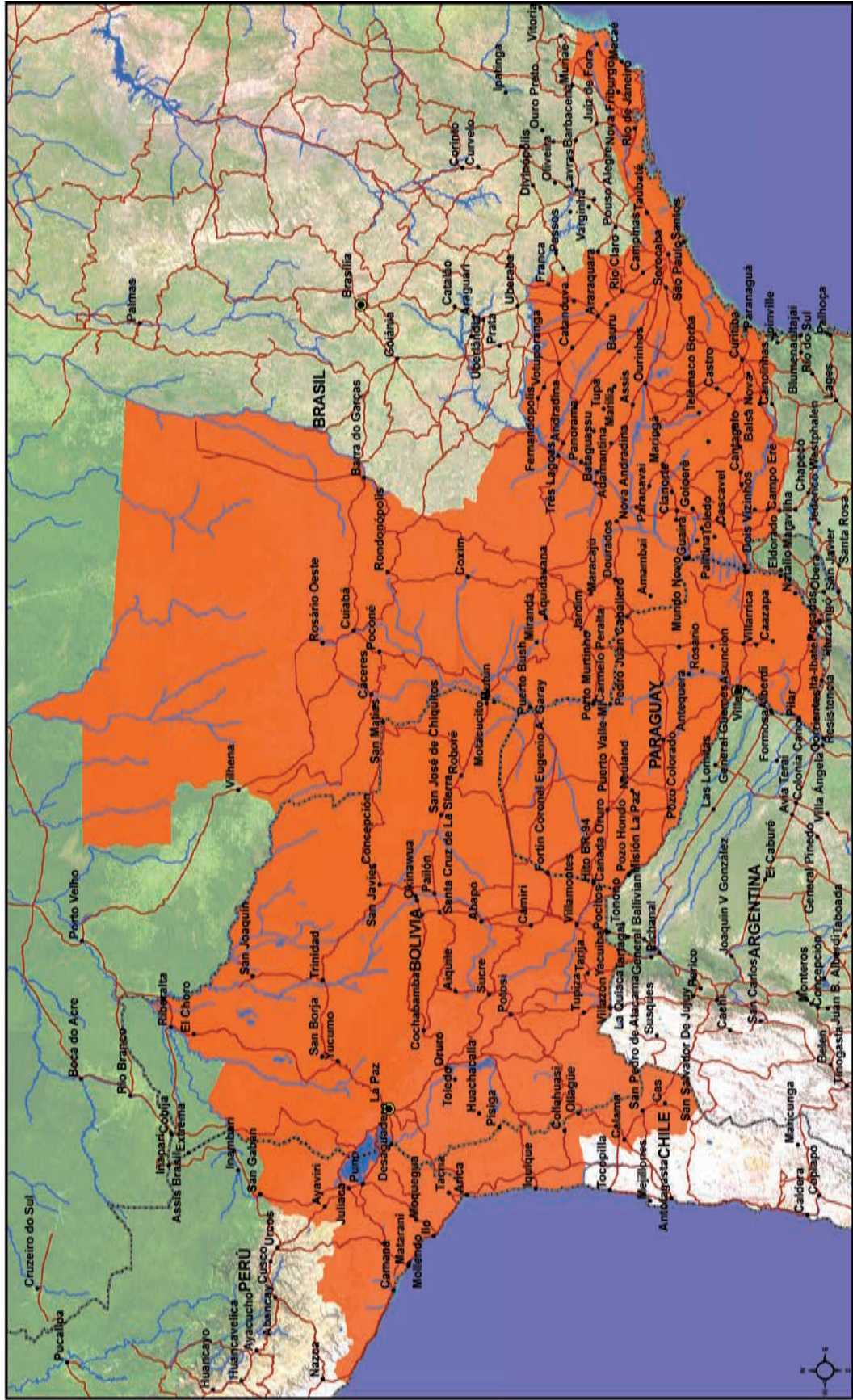


Investment

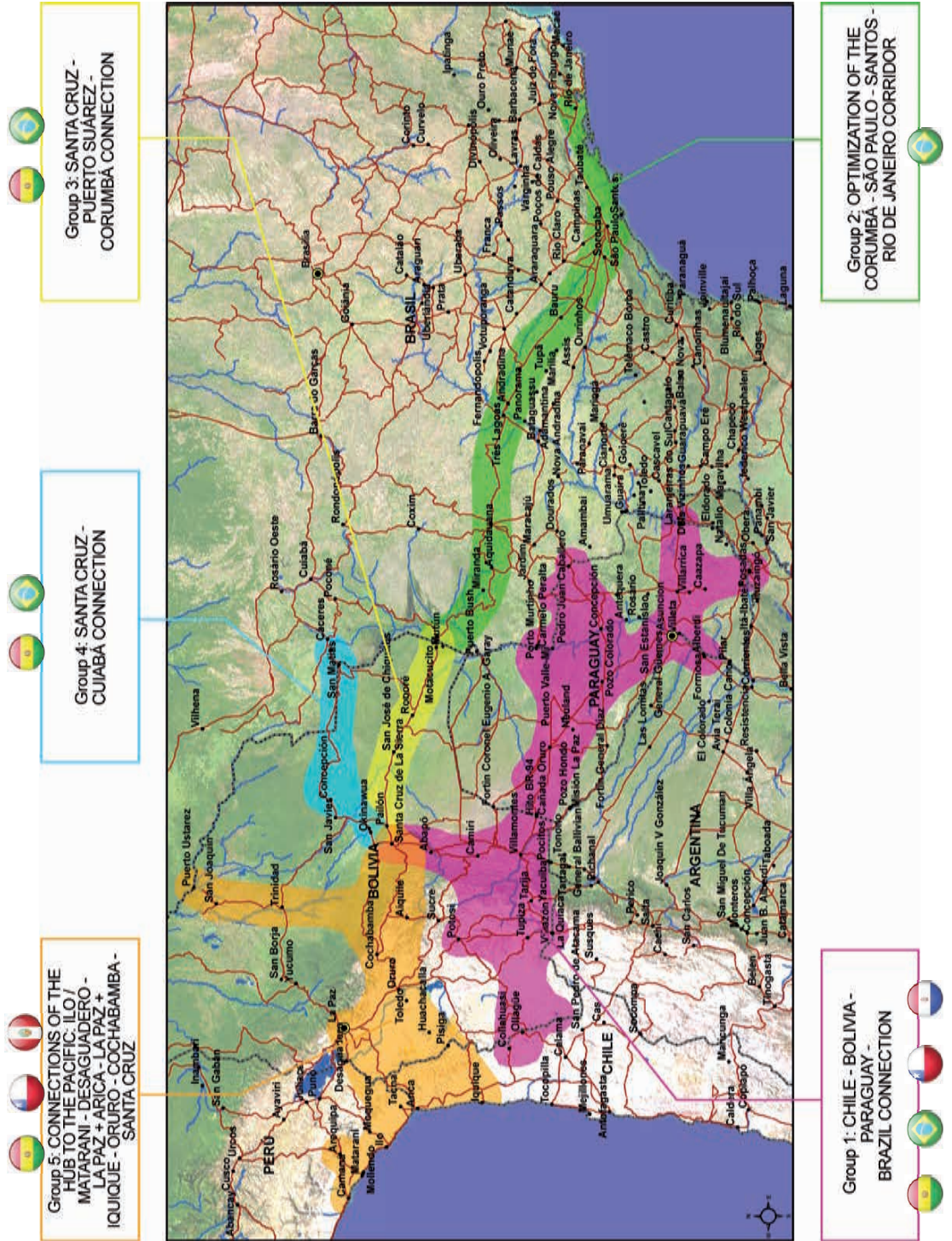
Percentage by stage



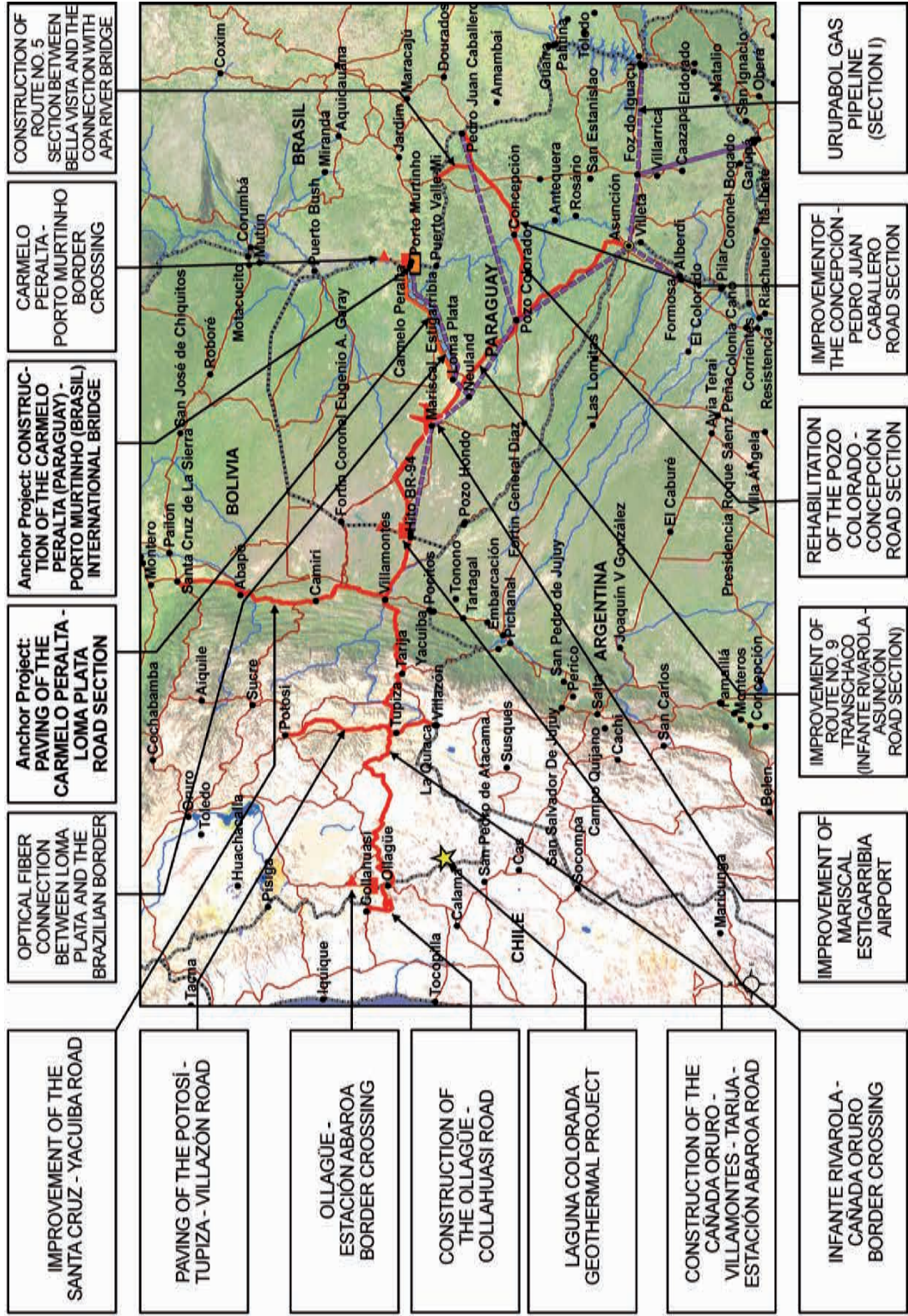
AREA OF INFLUENCE



PROJECT GROUPS



GROUP 1: CHILE - BOLIVIA - PARAGUAY - BRAZIL CONNECTION



STRATEGIC FUNCTION

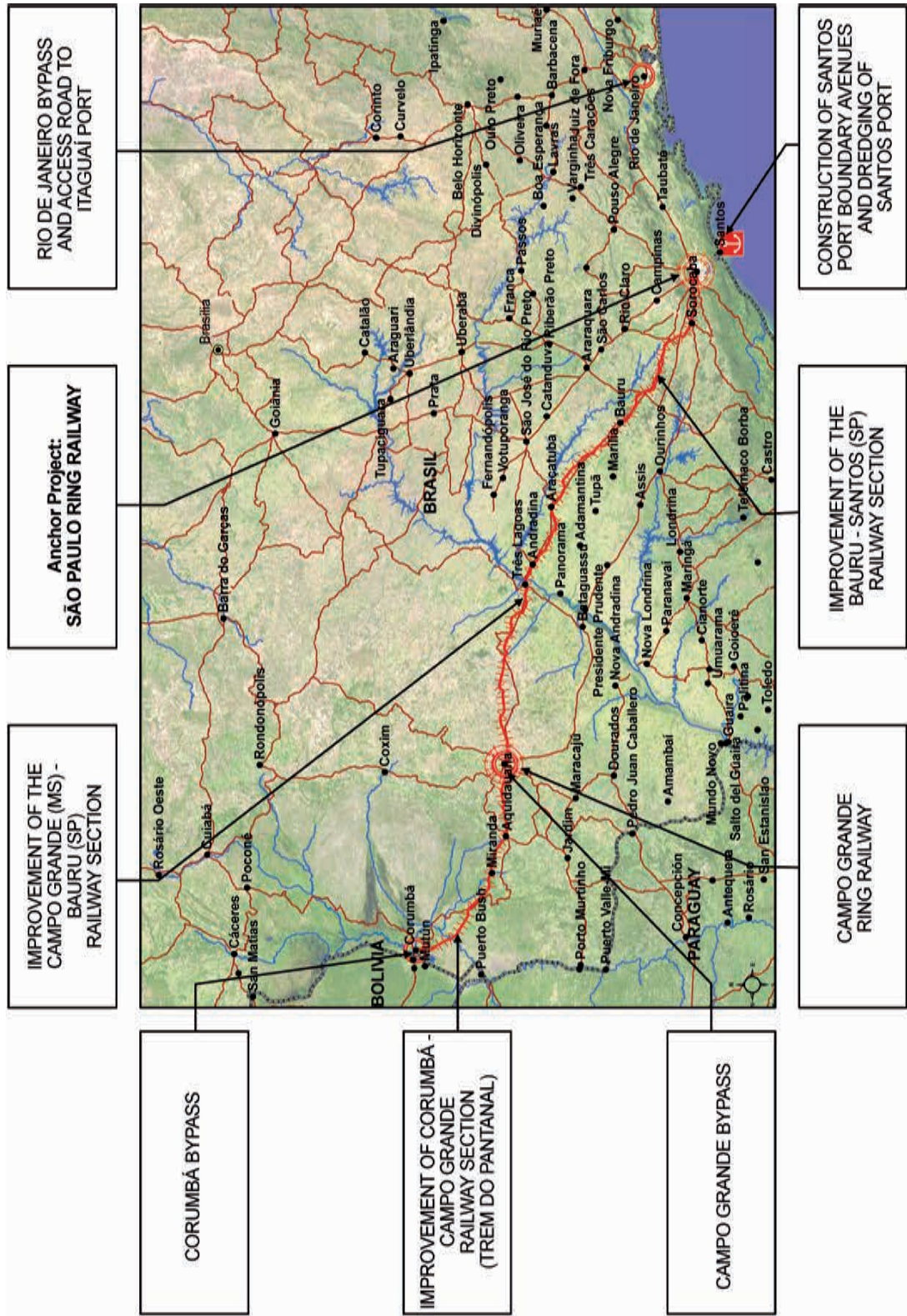
- Interconnect regional production areas (transportation, energy, and communications)
- Provide new access of the hinterlands to the Pacific ocean, articulating isolated territories

Code	Central Interoceanic Hub: Group 1	Estimated Investment (US\$ million)
IOC01	Paving of the Carmelo Peralta - Loma Plata Road Section (PY)	127.5
IOC02	Construction of the Cañada Oruro - Villamontes - Tarija - Estación Abaroa Road (BO)	60.0
IOC03	Ollagüe - Estación Abaroa Border Crossing (BO - CH)	5.0
IOC04	Paving of the Potosí - Tupiza - Villazón Road (BO) ^(*)	180.4
IOC05	Construction of the Ollagüe - Collahuasi Road (CH)	40.0
IOC06	Optical Fiber Connection between Loma Plata and the Brazilian Border (PY)	2.0
IOC07	Improvement of Mariscal Estigarribia Airport (PY)	30.0
IOC08	Carmelo Peralta - Porto Murtinho Border Crossing (BR - PY)	0.0
IOC09	Infante Rivarola - Cañada Oruro Border Crossing (BO - PY)	2.0
IOC10	URUPABOL Gas Pipeline (Section I) (BO - PY) ^(**)	0.0
IOC59	Laguna Colorada Geothermal Project (BO)	321.8
IOC60	Improvement of the Santa Cruz - Yacuiba Road (BO)	104.0
IOC72	Improvement of Route No. 9 Transchaco (Infante Rivarola - Asunción Road Section) (PY)	170.0
IOC73	Rehabilitation of the Pozo Colorado - Concepción Road Section (PY)	32.0
IOC74	Improvement of the Concepción - Pedro Juan Caballero Road Section (PY)	0.0
IOC75	Construction of Route No. 5 Section between Bella Vista and the Connection with Apa River Bridge (PY)	48.0
IOC77	Construction of the Carmelo Peralata (Paraguay) - Porto Murtinho (Brasil) International Bridge (BR - PY)	150.0
	TOTAL	1,272.7

Note: (*) Hinge project with grupo 2 of the Capricorn Hub

(**) This project is supplemented with section II of Group 5 in the MERCOSUR-Chile Hub, which includes Uruguay

GROUP 2: OPTIMIZATION OF THE CORUMBÁ - SÃO PAULO - SANTOS - RIO DE JANEIRO CORRIDOR

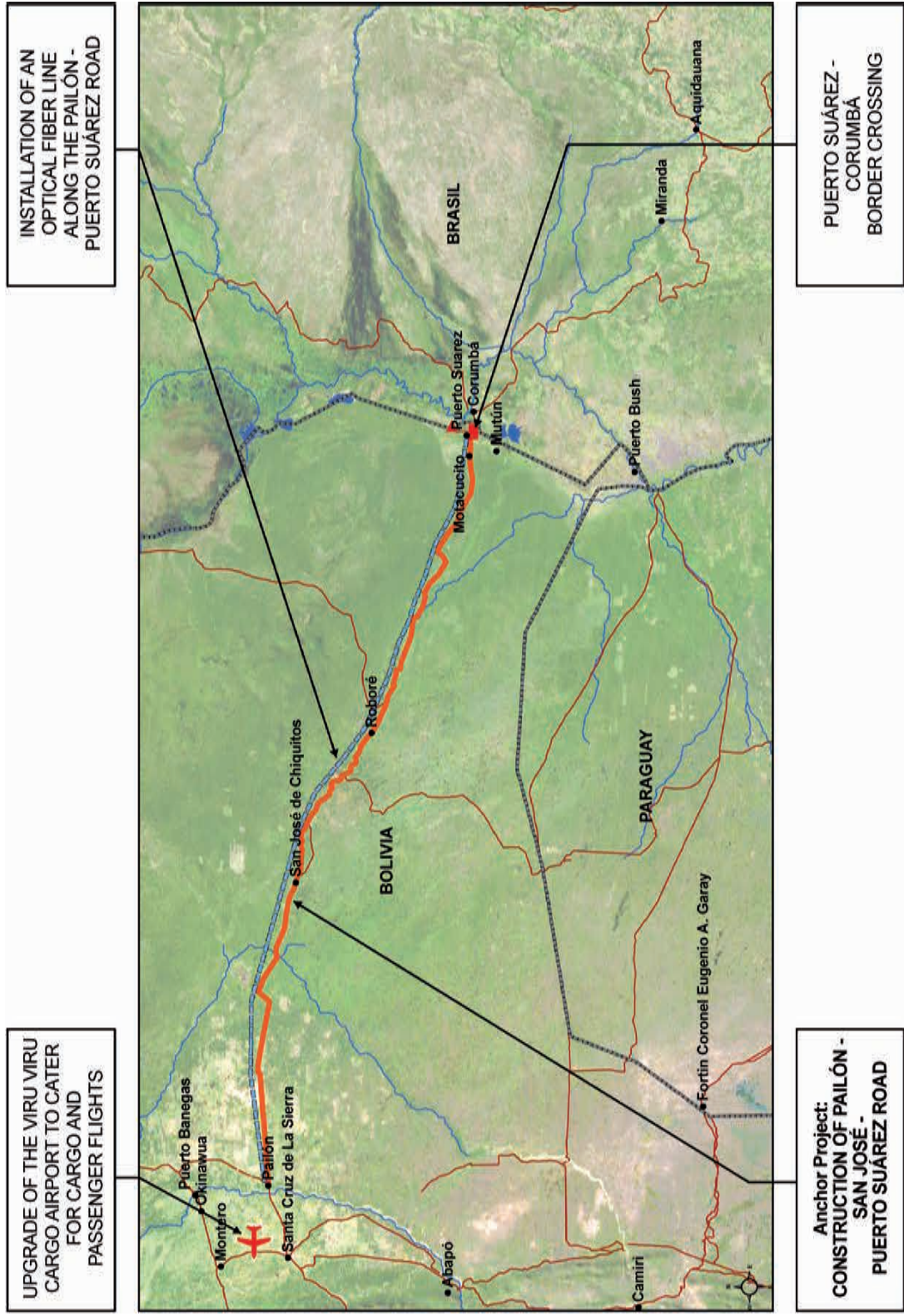


STRATEGIC FUNCTION

- Significantly reduce cargo transportation costs from Brazil, Bolivia, and Paraguay to the Atlantic ocean and among these countries as well
- Increase the countries economic complementation.
- Increase the railway component in the regional transportation matrix
- Support tourism in the region of Pantanal

Code	Central Interoceanic Hub: Group 2	Estimated Investment (US\$ million)
IOC11	São Paulo Ring Railway (BR)	1.7
IOC13	Campo Grande Ring Railway (BR)	31.0
IOC14	Campo Grande Bypass (BR)	17.0
IOC15	Corumbá Bypass (BR)	8.0
IOC16	Rio de Janeiro Bypass and Access Road to Itaguaí Port (BR)	614.0
IOC17	Improvement of the Bauru - Santos (SP) Railway Section (BR)	0.0
IOC18	Improvement of the Campo Grande (MS) - Bauru (SP) Railway Section (BR)	20.0
IOC19	Construction of Santos Port Boundary Avenues and Dredging of Santos Port (BR)	334.4
IOC20	Improvement of Corumbá - Campo Grande Railway Section (<i>Trem do Pantanal</i>) (BR)	70.0
TOTAL		1,096.1

GROUP 3: SANTA CRUZ - PUERTO SUÁREZ - CORUMBÁ CONNECTION

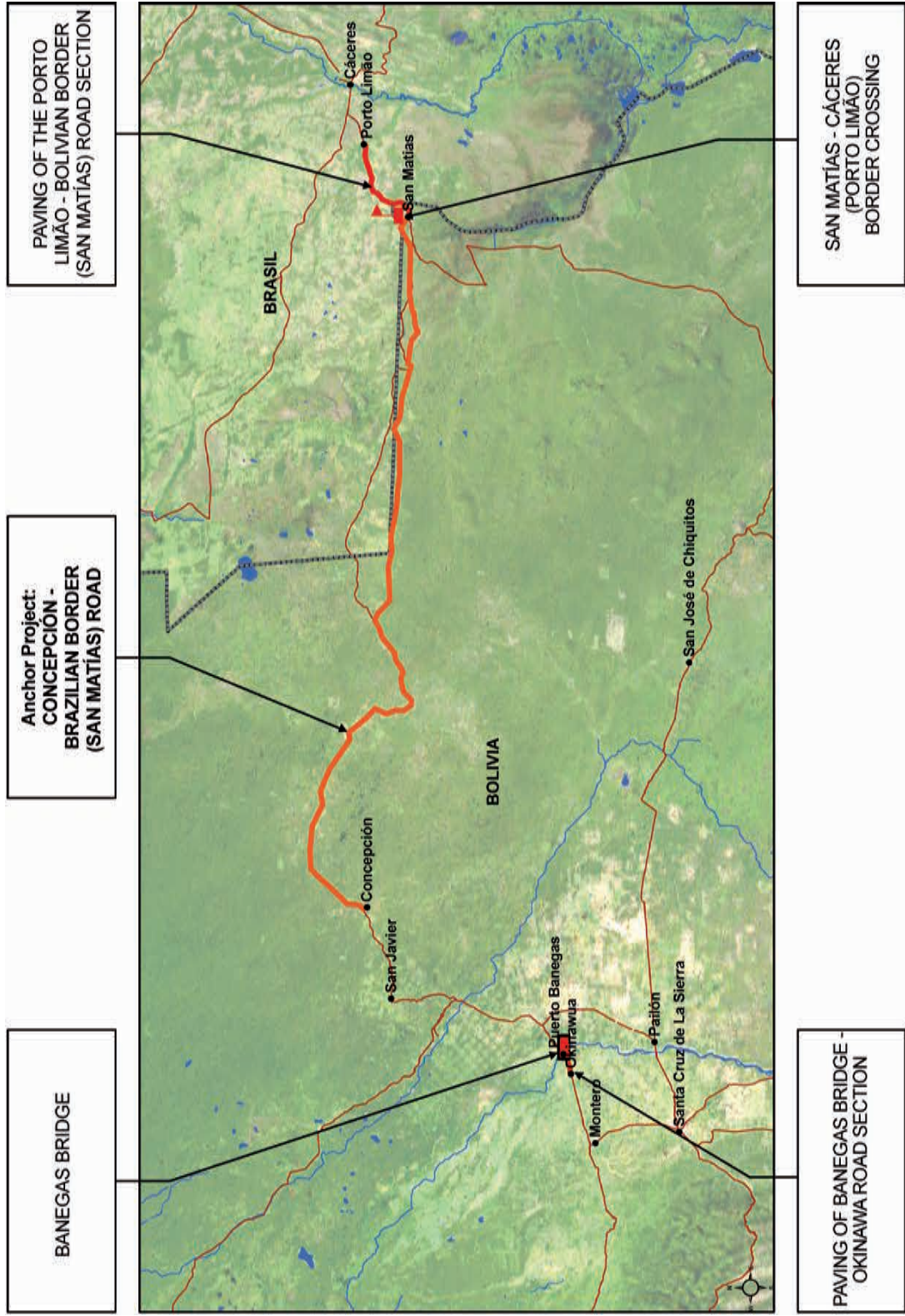


STRATEGIC FUNCTION

- Complete the railway and road connection in the Hub
- Significantly reduce cargo transportation costs from Brazil, Bolivia, and Paraguay to the Atlantic ocean, the Pacific ocean, and among these countries as well
- Increase the countries' economic complementation
- Support tourism in the region of Pantanal

Code	Central Interoceanic Hub: Group 3	Estimated Investment (US\$ million)
IOC22	Construction of Pailón - San José - Puerto Suárez Road (BO)	409.0
IOC24	Installation of an Optical Fiber Line along the Pailón - Puerto Suárez Road (BO)	2.5
IOC25	Puerto Suárez - Corumbá Integrated Control Area (BO - BR)	2.0
IOC78	Passenger and Cargo Hub Airport for South America (Viru Viru, Santa Cruz, International Hub Airport) (BO)	20.0
TOTAL		433.5

GROUP 4: SANTA CRUZ - CUIABÁ CONNECTION

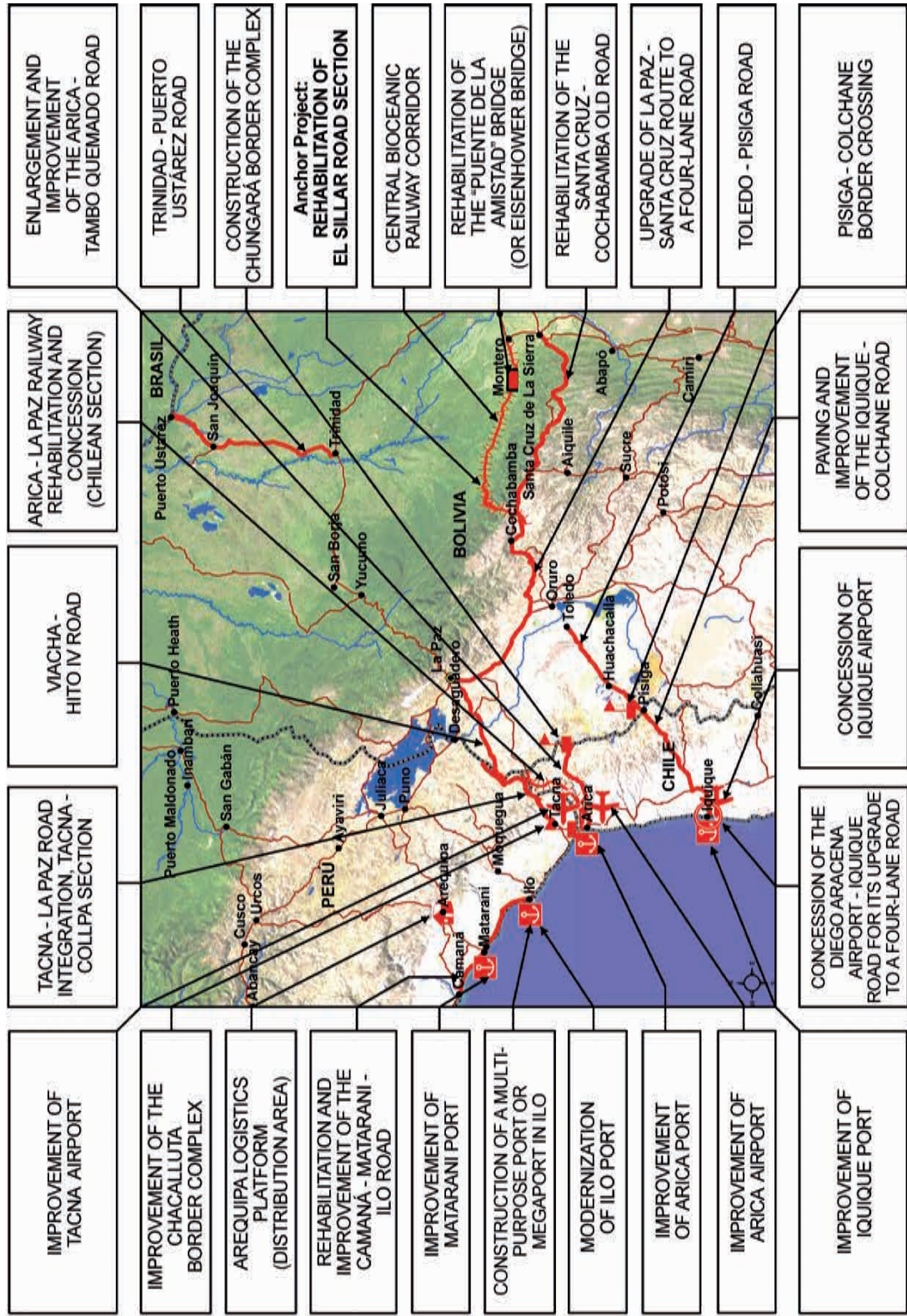


STRATEGIC FUNCTION

- Connect the eastern region in Bolivia with the Mato Grosso, facilitating the access of both regions to the ports on the Atlantic and Pacific oceans
- Support the development of the agricultural potential in the central-eastern region of Bolivia

Code	Central Interoceanic Hub: Group 4	Estimated Investment (US\$ million)
IOC26	Concepción - Brazilian Border (San Matías) Road (BO)	264.0
IOC27	Banegas Bridge (BO)	41.0
IOC28	Paving of Banegas Bridge - Okinawa Road Section (BO)	0.0
IOC29	San Matías - Cáceres (Porto Limão) Border Crossing (BO - BR)	2.0
IOC30	Paving of the Porto Limão - Bolivian Border (San Matías) Road Section (BR)	13.0
TOTAL		320.0

GROUP 5: CONNECTIONS OF THE HUB TO THE PACIFIC: ILO/MATARANI - DESAGUADERO - LA PAZ + ARICA - LA PAZ + IQUIQUE - ORURO - COCHABAMBA - SANTA CRUZ



STRATEGIC FUNCTION

- Increase trade among the countries and also towards the international markets
- Reduce the Hub's transportation costs towards the Pacific region
- Reduce import costs from the Pacific region
- Increase synergy among the groups of projects
- Increase reliability as well as the transportation standards of the Group
- Foster the development and consolidation of border trade
- Provide a physical connection to the MERCOSUR

Code	Central Interoceanic Hub: Group 5	Estimated Investment (US\$ million)
IOC31	Rehabilitation of El Sillar Road Section (BO)	122.5
IOC32	Toledo - Pisiga Road (BO)	100.0
IOC33	Pisiga - Colchane Border Crossing (BO - CH)	10.0
IOC34	Improvement of Arica Airport (CH)	10.0
IOC35	Improvement of Arica Port (CH)	50.0
IOC36	Paving and Improvement of the Iquique - Colchane Road (CH)	42.0
IOC38	Rehabilitation of the Santa Cruz - Cochabamba Old Road (BO)	35.0
IOC39	Rehabilitation of the "Puente de la Amistad" Bridge (or Eisenhower Bridge)(BO)	3.0
IOC40	Enlargement and Improvement of the Arica - Tambo Quemado Road (CH)	50.0
IOC42	Rehabilitation and Improvement of the Camaná - Matarani - Ilo Road (PE)	348.6
IOC61	Modernization of Ilo Port (PE)	242.5
IOC62	Improvement of Matarani Port (PE)	35.0
IOC65	Improvement of Iquique Port (CH)	33.0
IOC66	Arica - La Paz Railway Rehabilitation and Concession (Chilean Section) (CH)	50.0
IOC67	Improvement of Tacna Airport (PE)	51.5
IOC69	Concession of Iquique Airport (CH)	16.6
IOC70	Arequipa Logistics Platform (Distribution Area) (PE)	33.5
IOC71	Concession of the Diego Aracena Airport - Iquique Road for its Upgrade to a Four-lane Road (CH)	232.0
IOC79	Tacna - La Paz Road Integration, Tacna - Collpa Section (BO - PE)	71.0
IOC80	Upgrade of La Paz - Santa Cruz Route to a Four-lane Road (BO)	269.0
IOC81	Central Bioceanic Railway Corridor (BO)	6.7
IOC82	Trinidad - Puerto Ustarez Road (BO)	226.0
IOC83	Viacha - Hito IV Road (BO)	16.0
IOC84	Construction of a Multi-purpose Port or Megaport in Ilo (BO)	10.0
IOC85	Construction of the Chungará Border Complex (CH)	22.0
IOC86	Improvement of the Chacalluta Border Complex (CH)	1.0
TOTAL		2,086.9

Project Portfolio of the Central Interoceanic Hub

General Aspects

The countries have agreed to include sixty-one projects in the Central Interoceanic Hub, accounting for an estimated investment of US\$5,209.2 million, as summarized below:

Group	Name	Number of Projects	Estimated Investment (US\$ million)
Group 1	Chile - Bolivia - Paraguay - Brazil Connection	17	1,272.7
Group 2	Optimization of the Corumbá - São Paulo - Santos - Rio de Janeiro Corridor	9	1,096.1
Group 3	Santa Cruz - Puerto Suárez - Corumbá Connection	4	433.5
Group 4	Santa Cruz - Cuiabá Connection	5	320.0
Group 5	Connections of the Hub to the Pacific: Ilo/Matarani - Desaguadero - La Paz + Arica - La Paz + Iquique - Oruro - Cochabamba - Santa Cruz	26	2,086.9
TOTAL		61	5,209.2

Projects Lifecycle

Projects by Progress Attained

Stage	Number of Projects	Estimated Investment (US\$ million)
Profiling	10	726.5
Pre-execution	15	1,063.2
Execution	26	3,249.9
Concluded	10	169.6
		61
		5,209.2

Concluded Projects

Code	Project Name	Amount
IOC13	Campo Grande Ring Railway (BR)	31.0
IOC15	Corumbá Bypass (BR)	8.0
IOC30	Paving of the Porto Limão - Bolivian Border (San Matías) Road Section (BR)	13.0
IOC33	Pisiga - Colchane Border Crossing (BO - CH)	10.0
IOC34	Improvement of Arica Airport (CH)	10.0
IOC36	Paving and improvement of the Iquique - Colchane Road (CH)	42.0
IOC39	Rehabilitation of the "Puente de la Amistad" Bridge (or Eisenhower Bridge)(BO)	3.0
IOC62	Improvement of Matarani Port (PE)	35.0
IOC69	Concession of Iquique Airport (CH)	16.6
IOC86	Improvement of the Chacalluta Border Complex (CH)	1.0
TOTAL		169.6

Sector-based Breakdown

Subsector	Transport		Energy		Communications	
	Number of Projects	Estimated Investment (US\$ million)	Number of Projects	Estimated Investment (US\$ million)	Number of Projects	Estimated Investment (US\$ million)
Air	5	128.1				
Road	30	3,793.0				
Railway	7	179.4				
River	1	10.0				
Sea	5	694.9				
Multimodal	1	33.5				
Border Crossings	8	44.0				
Power generation			1	321.8		
Power interconnection			1	0.0		
Communications interconnection					2	4.5
TOTAL	57	4,882.9	2	321.8	2	4.5

Project Typology

Air Transport

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Refitting of airports	2	46.6
Extension of airports	3	81.5
TOTAL	5	128.1

Road Transport

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Extension of the road capacity	3	572.0
Refitting of road and structures	8	800.1
Paving (new work)	13	1,587.9
Bridges (new ones and refitting)	3	194.0
Road by-pass and access to cities	3	639.0
TOTAL	30	3,793.0

Project Typology (cont.)

Railway Transport

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Building of railways	1	6.7
Refitting of railways	4	140.0
Railway by-pass	2	32.7
TOTAL	7	179.4

River Transport

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Building of new river ports	1	10.0
TOTAL	1	10.0

Sea Transport

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Extension of road infrastructure of the maritime ports	4	360.5
Refitting of sea ports	1	334.4
TOTAL	5	694.9

Multimodal Transport

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Transfer stations	1	33.5
TOTAL	1	33.5

Border Crossings

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Infrastructure for the setting up of border control centers	5	39.0
Refitting of existing infrastructure in border control centers	1	1.0
Extension of infrastructure and capacity of border control centers	2	4.0
TOTAL	8	44.0

Power Generation

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Other energy infrastructure	1	321.8
TOTAL	1	321.8

Power Interconnection

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Building of new power interconnections	1	0.0
TOTAL	1	0.0

Communication Interconnection

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Optical fiber	2	4.5
TOTAL	2	4.5

Anchor Projects

The countries identified six anchor projects in the Central Interoceanic Hub, totaling an estimated investment of US\$1,074.7 million, according to the following detail:

Group	Anchor Projects	Estimated Investment (US\$ million)	Financing Source	Scope	Project Stage
1	Paving of the Carmelo Peralta - Loma Plata Road Section (PY)	127.5	Public	National	Pre-execution
1	Construction of the Carmelo Peralta (Paraguay) - Porto Murtinho (Brasil) International Bridge (BR - PY)	150.0	Public	Binational	Profiling
2	São Paulo Ring Railway (BR)	1.7	Public/Private	National	Pre-execution
3	Construction of Pailón - San José - Puerto Suárez Road (BO)	409.0	Public	National	Execution
4	Concepción - Brazilian Border (San Matías) Road (BO)	264.0	Public/Private	National	Pre-execution
5	Rehabilitation of El Sillar Road Section (BO)	122.5	Public	National	Pre-execution
	TOTAL	1,074.7			

MERCOSUR-CHILE HUB



Country members

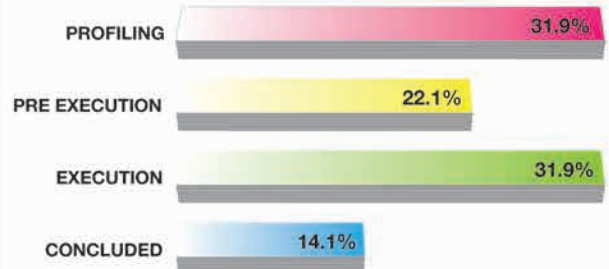


Total Number of project: 113

Investment : 50,974.4
(US\$ million)

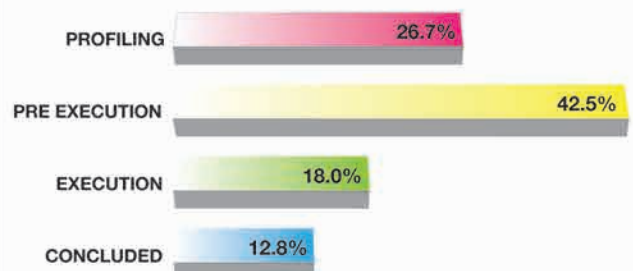
Total Number of project

Percentage by stage

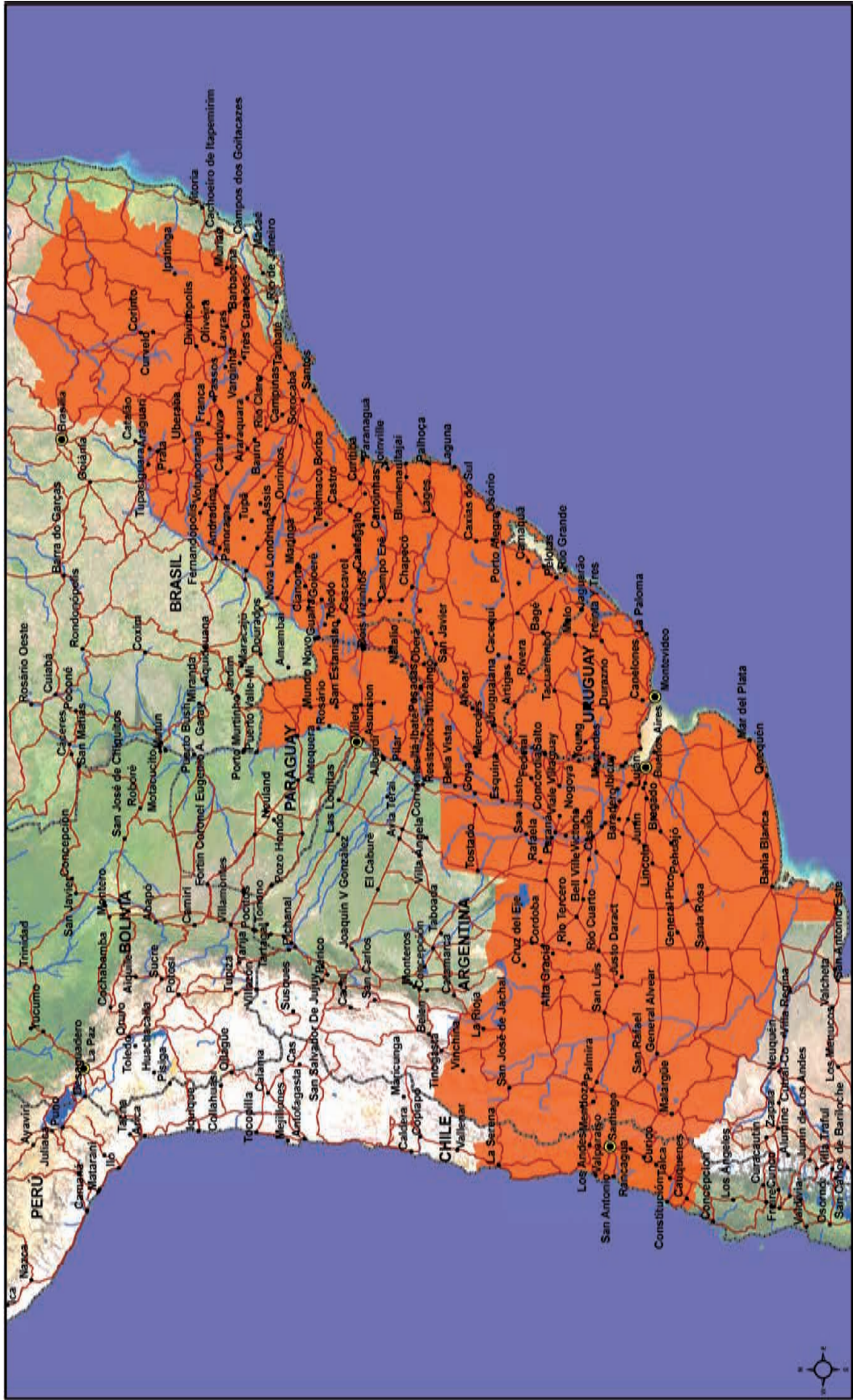


Investment

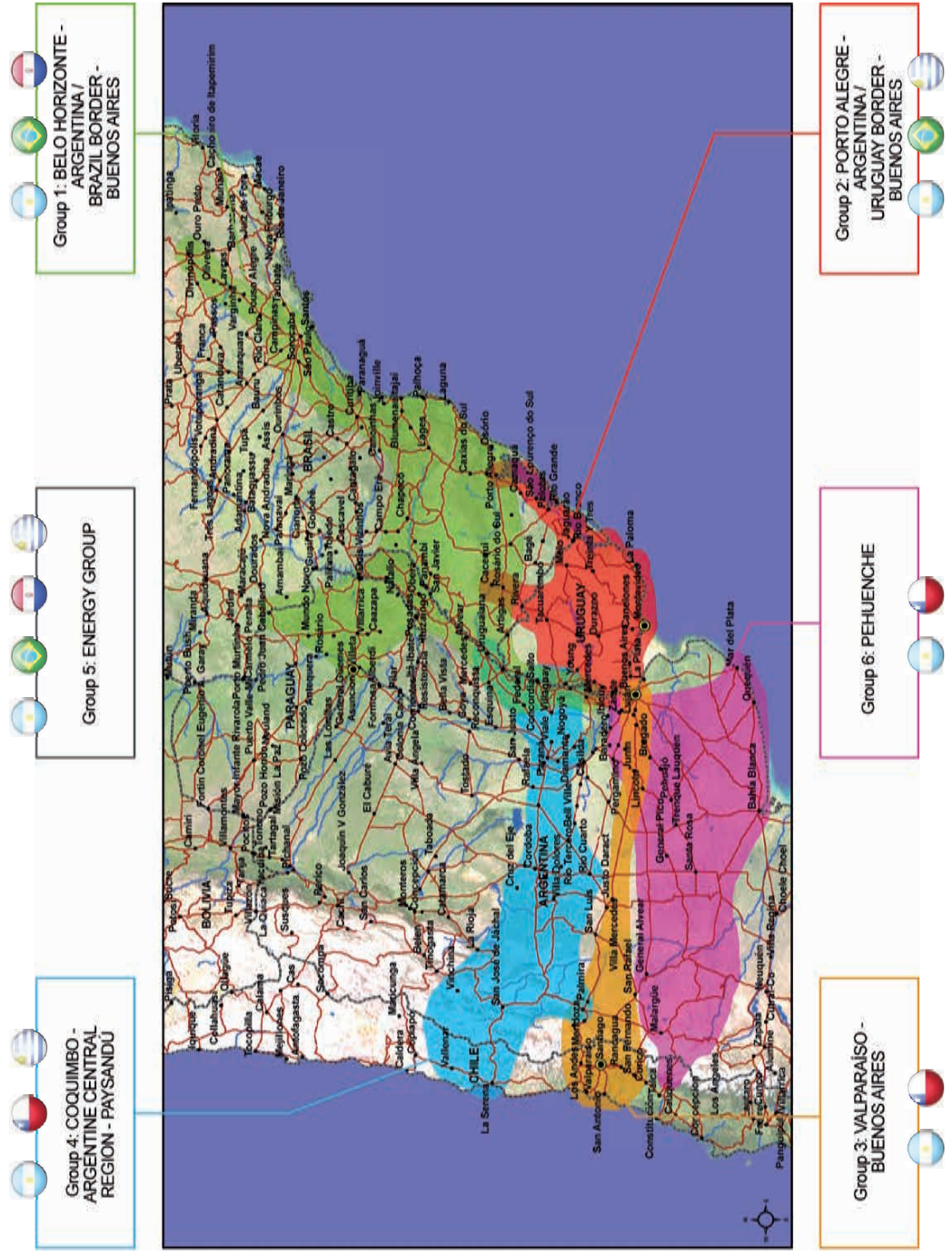
Percentage by stage



AREA OF INFLUENCE

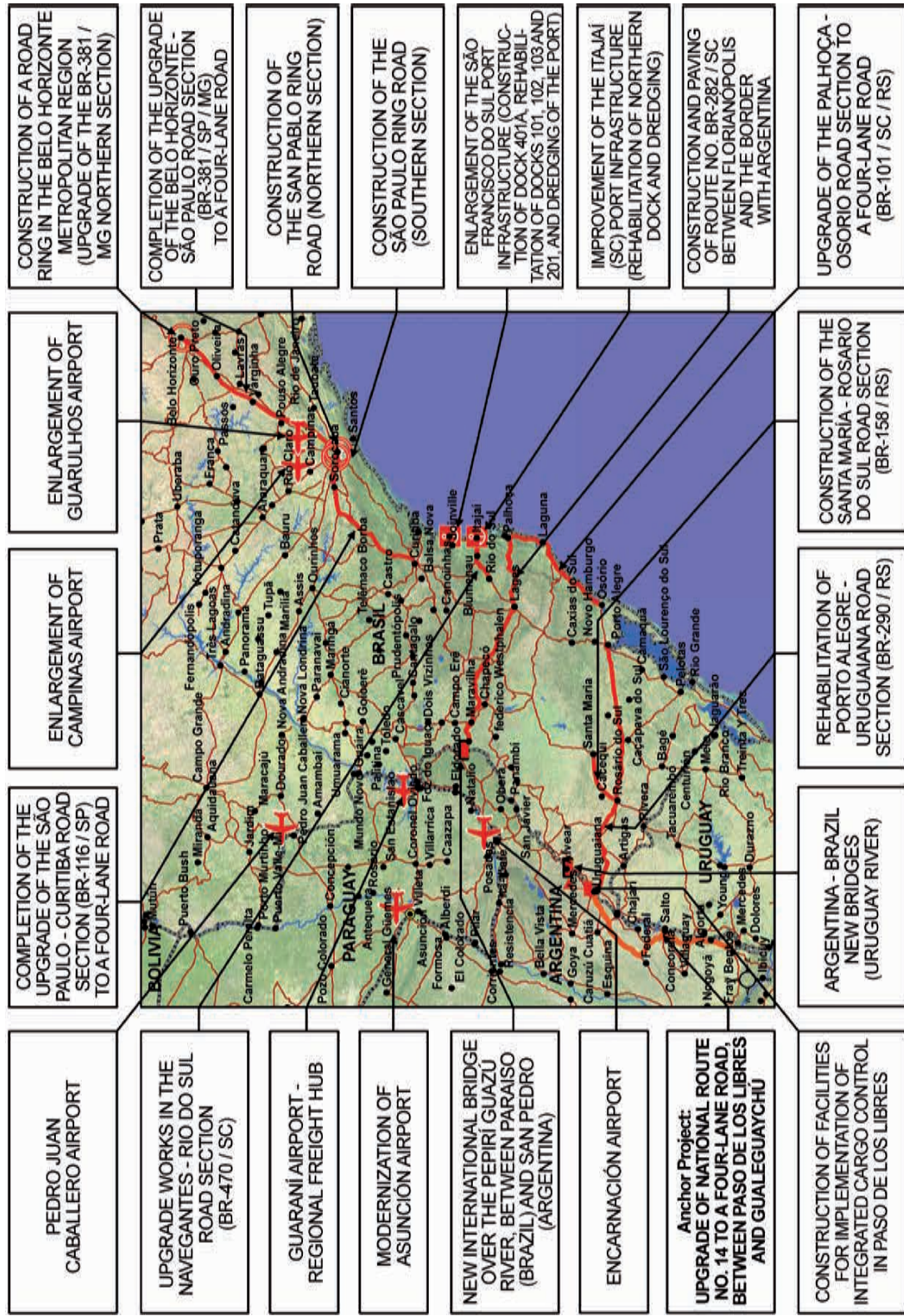


PROJECT GROUPS



Note: The territory of Group 5 has not been taken into account for illustration purposes, since the projects included in this group impact on the total area of influence of the MERCOSUR-Chile Hub.

GROUP 1: BELO HORIZONTE - ARGENTINA / BRAZIL BORDER - BUENOS AIRES

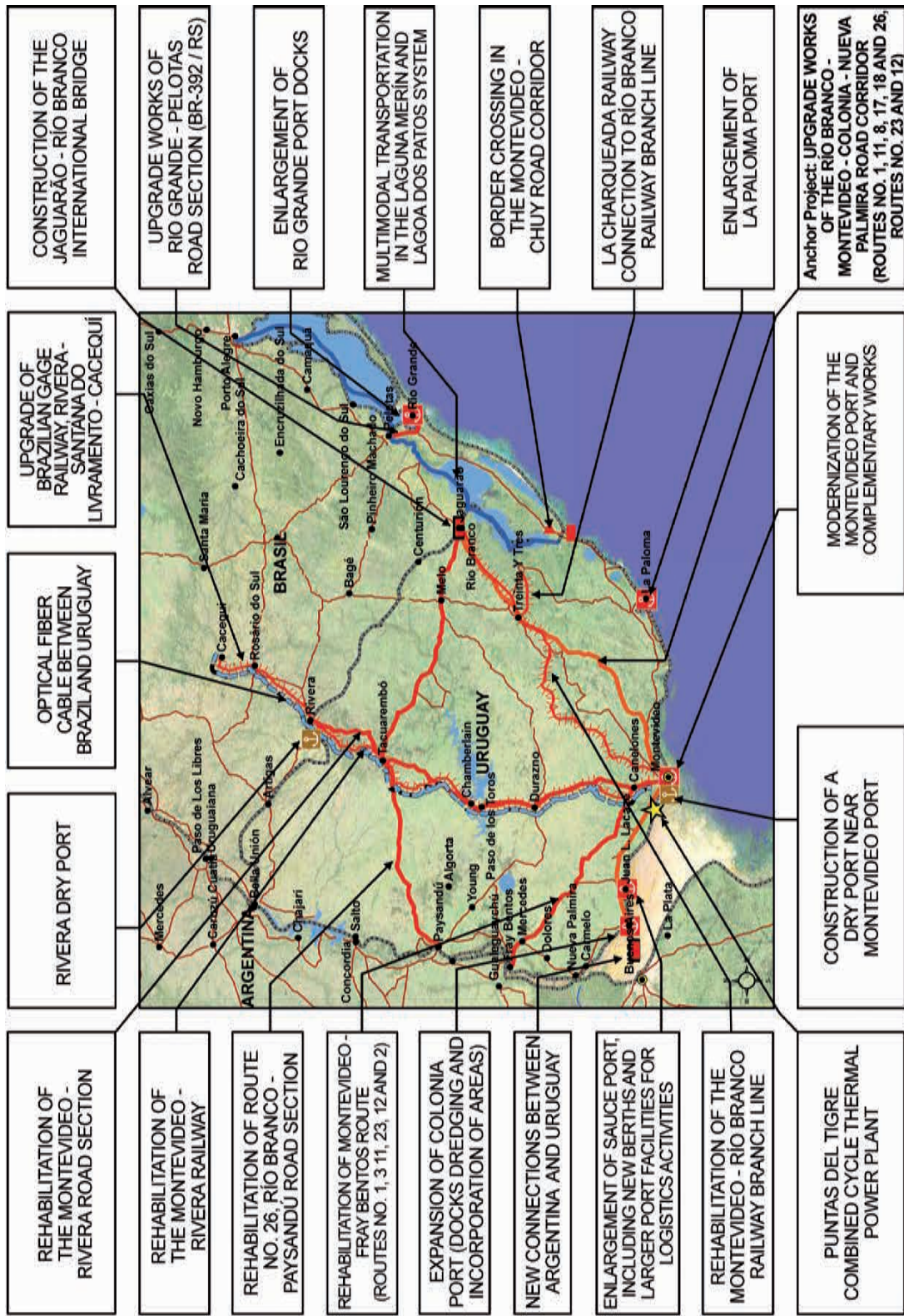


STRATEGIC FUNCTION

- Achieve, consolidate and improve the necessary infrastructure and logistics standards for the good performance of the region in global markets
- Make good use of the conditions of scale and demand in the area to attract public-private partnerships and disseminate the experience to other Hubs
- Optimize trade and services flows between the Argentine and Brazilian economic centers
- Optimize the logistics base so that the industry located in this area can reinforce its competitiveness at the global level

Code	MERCOSUR - Chile Hub: Group 1	Estimated Investment (US\$ million)
MCC01	Upgrade of National Route No. 14 to a Four-lane Road, between Paso de Los Libres and Gualeguaychú (AR)	780.0
MCC02	Construction of Facilities for Implementation of Integrated Cargo Control in Paso de Los Libres (AR)	10.0
MCC04	Completion of the Upgrade of the Belo Horizonte - São Paulo Road Section (BR-381 / SP / MG) to a Four-lane Road (BR)	1,300.0
MCC05	Upgrade Works in the Navegantes - Rio do Sul Road Section (BR-470 / SC)(BR)	400.0
MCC06	Enlargement of Campinas Airport (BR)	1,189.9
MCC07	Enlargement of Guarulhos Airport (BR)	956.9
MCC08	Enlargement of the São Francisco do Sul Port Infrastructure (Construction of Dock 401A, Rehabilitation of Docks 101,102, 103 and 201, and Dredging of the Port) (BR)	131.6
MCC09	Improvement of the Itajaí (SC) Port Infrastructure (Rehabilitation of Northern Dock and Dredging) (BR)	101.9
MCC10	Construction of a Road Ring in the Belo Horizonte Metropolitan Region (Upgrade of the BR-381 / MG Northern Section) (BR)	650.0
MCC11	Completion of the Upgrade of the São Paulo - Curitiba Road Section (BR-116 / SP) to a Four-lane Road (BR)	350.0
MCC12	Construction of the São Paulo Ring Road (Southern Section) (BR)	2,700.0
MCC13	Construction and Paving of Route No. BR-282 / SC between Florianópolis and the Border with Argentina (BR)	100.0
MCC14	Construction of the Santa María - Rosario do Sul Road Section (BR-158 / RS) (BR)	30.0
MCC15	Upgrade of the Palhoça - Osorio Road Section to a Four-lane Road (BR-101 / SC / RS) (BR)	700.0
MCC16	Argentina - Brazil New Bridges (Uruguay River) (AR - BR)	0.0
MCC18	Rehabilitation of Porto Alegre - Uruguaiana Road Section (BR-290 / RS) (BR)	45.0
MCC82	Pedro Juan Caballero Airport (PY)	2.5
MCC83	Guaraní Airport - Regional Freight Hub (PY)	50.0
MCC84	Encarnación Airport (PY)	25.0
MCC119	Modernization of Asunción Airport (PY)	0.0
MCC131	New International Bridge over the Pepirí Guazú River, between Paraiso (Brazil) and San Pedro (Argentina) (AR - BR)	0.0
MCC132	Construction of the San Pablo Ring Road (Northern Section) (BR)	3,180.5
TOTAL		12,703.3

GROUP 2: PORTO ALEGRE - ARGENTINA / URUGUAY BORDER - BUENOS AIRES

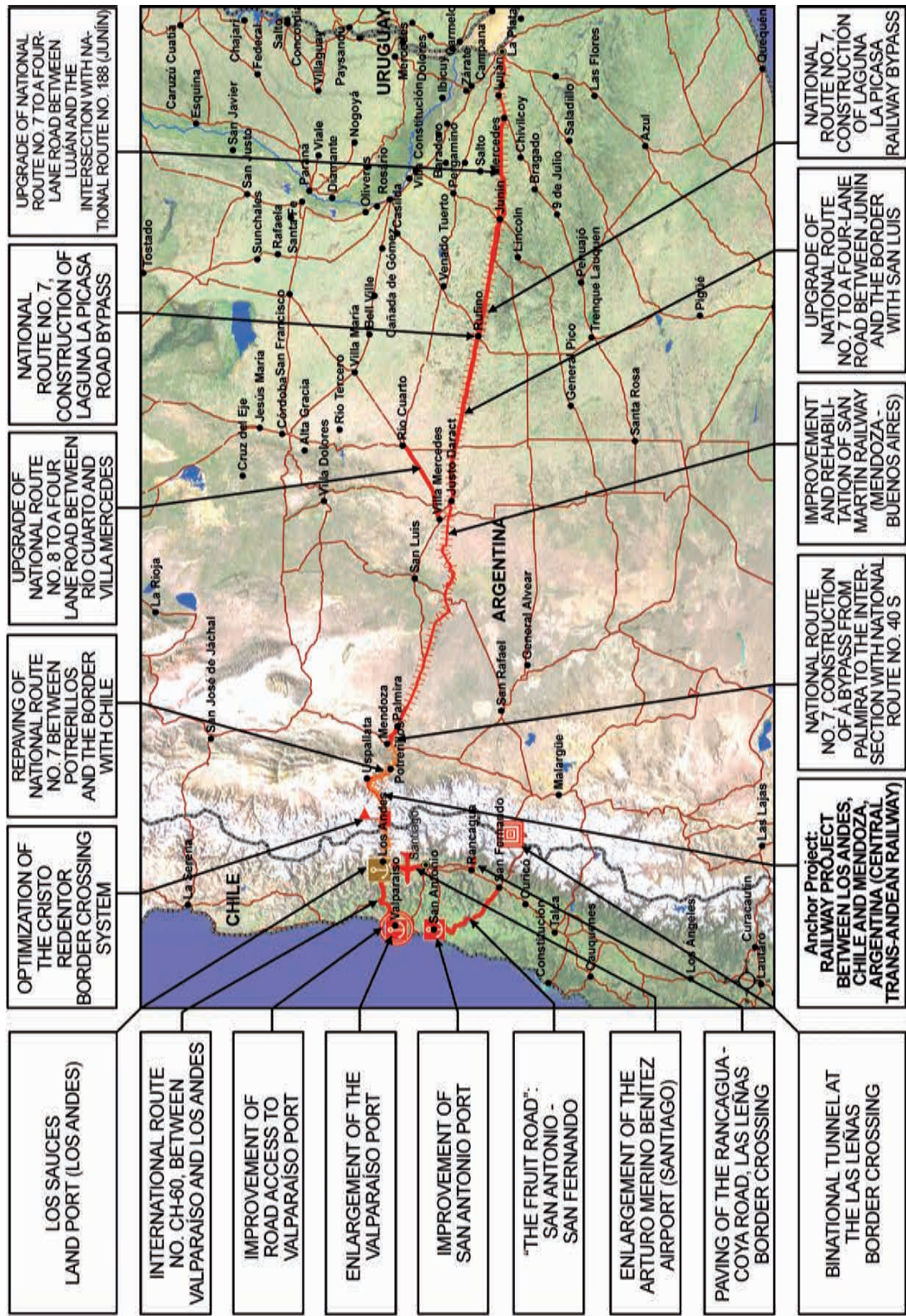


STRATEGIC FUNCTION

- Achieve, consolidate and improve the necessary infrastructure and logistics standards for the good performance of the region in global markets
- Make good use of the conditions of scale and demand in the area to attract public-private partnerships and disseminate the experience to other Hubs
- Optimize trade and services flows between the Argentine and Brazilian economic centers
- Optimize the logistics base so that the industry located in this area can reinforce its competitiveness at the global level

Code	MERCOSUR-Chile Hub: Group 2	Estimated Investment (US\$ million)
MCC19	Upgrade Works of the Río Branco - Montevideo - Colonia - Nueva Palmira Road Corridor (Routes No. 1, 11, 8, 17, 18 and 26, Routes 23 and 12) (UY)	246.2
MCC20	Upgrade Works of Rio Grande - Pelotas Road Section (BR-392 / RS) (BR)	400.0
MCC21	Enlargement of Rio Grande Port Docks (BR)	435.7
MCC22	Construction of the Jaguarão - Río Branco International Bridge (BR - UY)	93.5
MCC23	Border Crossing in the Montevideo - Chuy Road Corridor (UY)	15.0
MCC24	Enlargement of La Paloma Port (UY)	600.0
MCC26	Puntas del Tigre Combined Cycle Thermal Power Plant (UY)	170.0
MCC27	Rehabilitation of the Montevideo - Rivera Road Section (UY)	85.6
MCC28	Rehabilitation of Route No. 26, Río Branco - Paysandú Road Section (UY)	39.8
MCC29	Rehabilitation of Montevideo - Fray Bentos Route (Routes No. 1, 3, 11, 23, 12 and 2) (UY)	38.0
MCC30	Rehabilitation of the Montevideo - Rivera Railway (UY)	134.8
MCC70	Modernization of the Montevideo Port and Complementary Works (UY)	189.0
MCC71	New Connections between Argentina and Uruguay (AR - UY)	121.0
MCC85	Multimodal Transportation in the Laguna Merín and Lagoa dos Patos System (BR - UY)	49.0
MCC86	Expansion of Colonia Port (Docks, Dredging and Incorporation of Areas) (UY)	14.0
MCC87	Enlargement of Sauce Port, including New Berths and Larger Port Facilities for Logistics Activities (UY)	10.0
MCC90	Construction of a Dry Port near Montevideo Port (UY)	25.0
MCC93	Rehabilitation of the Montevideo - Río Branco Railway Branch Line (UY)	100.0
MCC113	Rivera Dry Port (UY)	2.0
MCC115	Upgrade of Brazilian Gage Railway, Rivera - Santana do Livramento - Cacequi (BR - UY)	5.0
MCC117	La Charqueada Railway Connection to Río Branco Railway Branch Line (UY)	32.0
MCC139	Optical Fiber between Brazil and Uruguay (BR - UY)	0.0
	TOTAL	2,805.6

GROUP 3: VALPARAÍSO - BUENOS AIRES

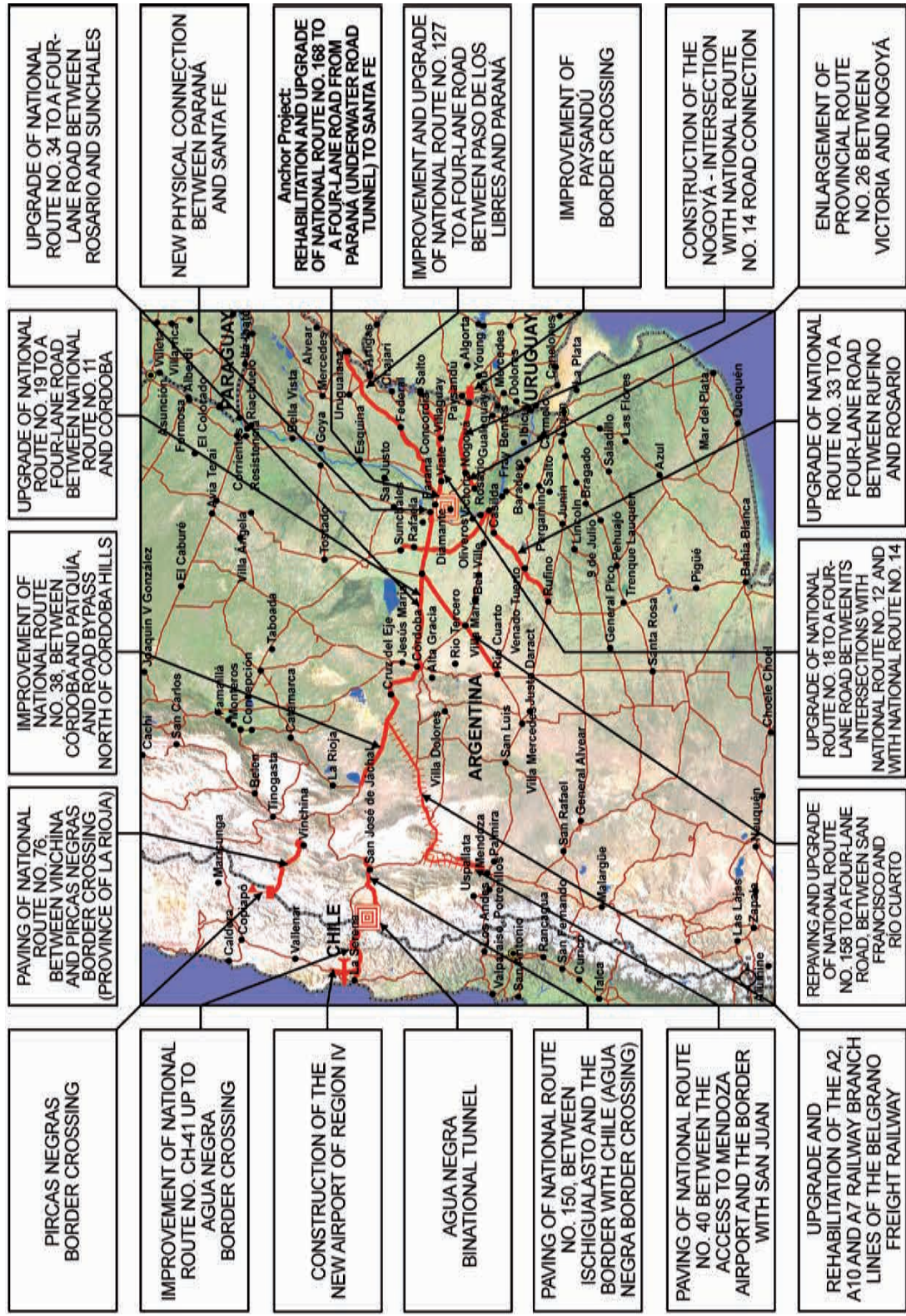


STRATEGIC FUNCTION

- Achieve, consolidate and improve the necessary infrastructure and logistics standards for the good performance of the region in global markets
- Make good use of the conditions of scale and demand in the area to attract public-private partnerships and disseminate the experience to other Hubs
- Optimize trade and services flows between the Argentine and Chilean economic centers
- Optimize the logistics base so that the industry located in this area can reinforce its competitiveness at the global level
- Promote Chile to serve as a logistics platform for the remaining countries of the Hub to develop markets for their products and services in Asia

Code	MERCOSUR-Chile Hub: Group 3	Estimated Investment (US\$ million)
MCC33	Railway Project between Los Andes, Chile, and Mendoza, Argentina (Central Trans-Andean Railway) (AR - CH)	5,100.0
MCC34	Optimization of the Cristo Redentor Border Crossing System (AR - CH)	250.0
MCC39	Repaving of National Route No. 7 between Potrerillos and the Border with Chile (AR)	52.0
MCC40	National Route No. 7, Construction of Laguna La Picasa Road Bypass (AR)	20.0
MCC41	National Route No. 7, Construction of Laguna La Picasa Railway Bypass (AR)	30.0
MCC42	National Route No. 7, Construction of a Bypass from Palmira to the Intersection with National Route No. 40 S (AR)	25.0
MCC43	Upgrade of National Route No. 7 to a Four-lane Road between Luján and the Intersection with National Route No. 188 (Junín) (AR)	90.0
MCC45	International Route No. CH-60, between Valparaíso and Los Andes (CH)	351.0
MCC46	Improvement of Road Access to Valparaíso Port (CH)	105.0
MCC48	Los Sauces Land Port (Los Andes) (CH)	10.0
MCC49	"The Fruit Road": San Antonio - San Fernando (CH)	360.0
MCC51	Improvement of San Antonio Port (CH)	350.0
MCC120	Improvement and Rehabilitation of San Martín Railway (Mendoza - Buenos Aires) (AR)	90.0
MCC133	Enlargement of the Arturo Merino Benítez Airport (Santiago) (CH)	480.0
MCC134	Enlargement of the Valparaíso Port (CH)	300.0
MCC135	Paving of the Rancagua - Coya Road, Las Leñas Border Crossing (CH)	35.0
MCC136	Binational Tunnel at the Las Leñas Border Crossing (AR - CH)	1,000.0
MCC140	Upgrade of National Route No. 7 to a Four-lane Road between Junín and the Border with San Luis (AR)	800.0
MCC142	Upgrade of National Route No. 8 to a Four-lane Road between Río Cuarto and Villa Mercedes (AR)	240.0
TOTAL		9,688.0

GROUP 4: COQUIMBO - ARGENTINE CENTRAL REGION - PAYSANDÚ



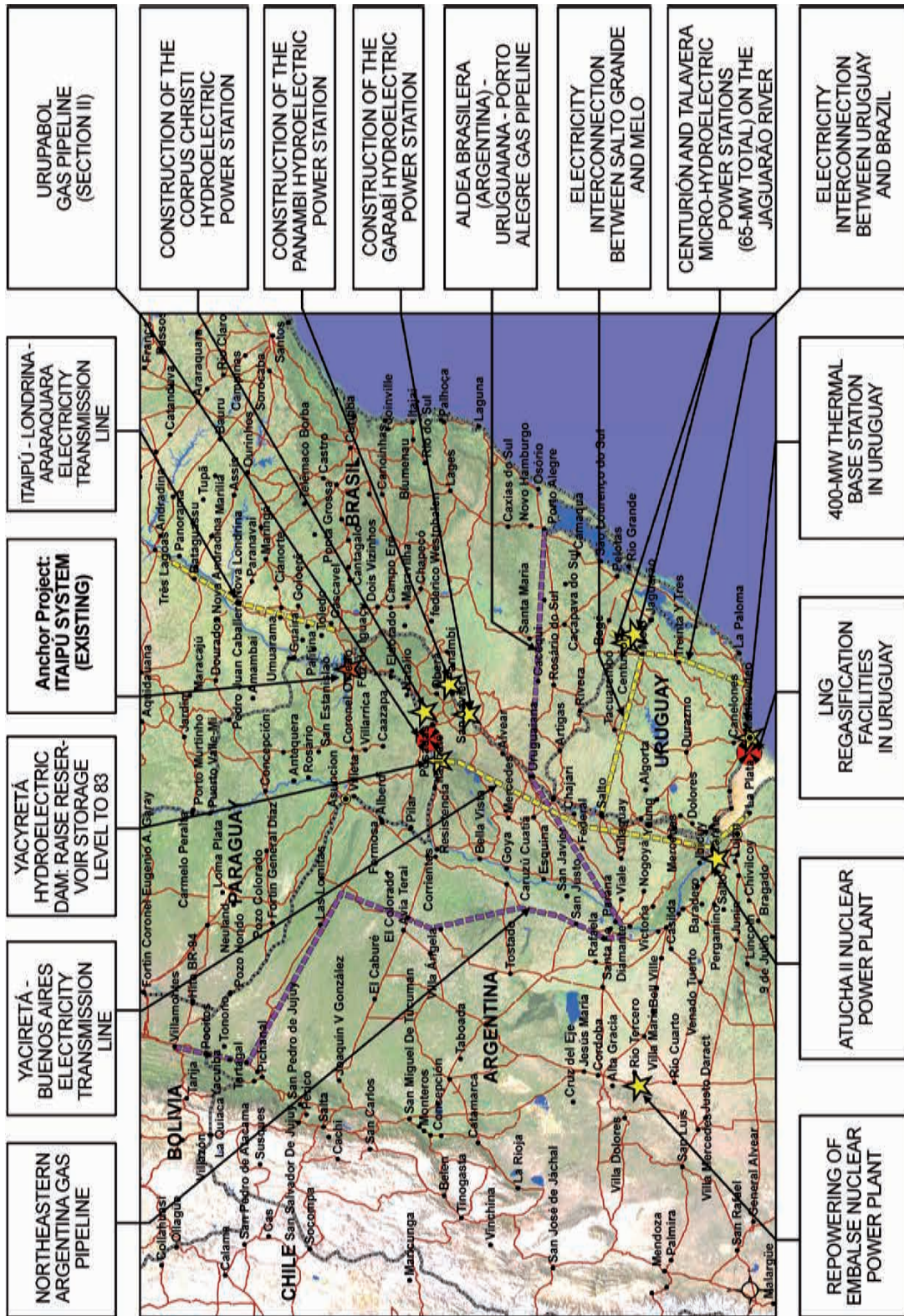
STRATEGIC FUNCTION

- Optimize trade and services flows among the economic centers in Argentina, Brazil, Chile, Paraguay and Uruguay
- Articulate trade and services flows with the Paraguay-Paraná Waterway Hub
- Boost the development of ecotourism in the region
- Develop and improve the regional productive chains

Code	MERCOSUR-Chile Hub: Group 4	Estimated Investment (US\$ million)
MCC52	Rehabilitation and Upgrade of National Route No. 168 to a Four-lane Road from Paraná (Underwater Road Tunnel) to Santa Fe (AR)	40.0
MCC53	Enlargement of Provincial Route No. 26 between Victoria and Nogoyá (AR)	6.0
MCC54	Construction of the Nogoyá - Intersection with National Route No. 14 Road Connection (AR)	0.0
MCC57	Repaving and Upgrade of National Route No. 158 to a Four-lane Road, between San Francisco and Río Cuarto (AR)	400.0
MCC59	Upgrade of National Route No. 18 to a Four-lane Road between its Intersections with National Route No. 12 and National Route No. 14 (AR)	400.0
MCC94	Paving of National Route No. 150, between Ischigualasto and the Border with Chile (Agua Negra Border Crossing) (AR)	73.0
MCC95	Paving of National Route No. 76, between Vinchina and Pircas Negras Border Crossing (Province of La Rioja) (AR)	120.0
MCC96	Improvement of National Route No. 38, between Córdoba and Patquía, and Road Bypass North of Córdoba Hills (AR)	100.0
MCC97	Upgrade and Rehabilitation of the A2, A10 and A7 Railway Branch Lines of the Belgrano Freight Railway (AR)	225.0
MCC99	Improvement of Paysandú Border Crossing (UY)	12.0
MCC100	Upgrade of National Route No. 19 to a Four-lane Road between National Route No. 11 and Córdoba (AR)	529.0
MCC108	Pircas Negras Border Crossing (AR - CH) (*)	5.0
MCC110	Agua Negra Binational Tunnel (AR - CH)	850.0
MCC112	Improvement of National Route No. CH-41 up to Agua Negra Border Crossing (CH)	60.0
MCC121	New Physical Connection between Paraná and Santa Fe (AR)	1.8
MCC122	Improvement and Upgrade of National Route No. 127 to a Four-lane Road between Paso de Los Libres and Paraná (AR)	50.0
MCC137	Construction of the New Airport of Region IV (CH)	45.0
MCC143	Upgrade of National Route No. 33 to a Four-lane Road between Rufino and Rosario (AR)	500.0
MCC144	Upgrade of National Route No. 34 to a Four-lane Road between Rosario and Sunchoales(AR)	500.0
MCC145	Paving of National Route No. 40 between the Access to Mendoza Airport and the Border With San Juan (AR)	210.0
TOTAL		4,126.8

Note: (*) Hinge Project with Group 5 of the Capricorn Hub

GROUP 5: ENERGY GROUP



STRATEGIC FUNCTION

- Enhance the dependability of the electric and gas systems in the area
- Strengthen and increase energy generation, transmission, and distribution capacity in a densely populated, highly industrialized area
- Diversify the energy matrix of the MERCOSUR countries

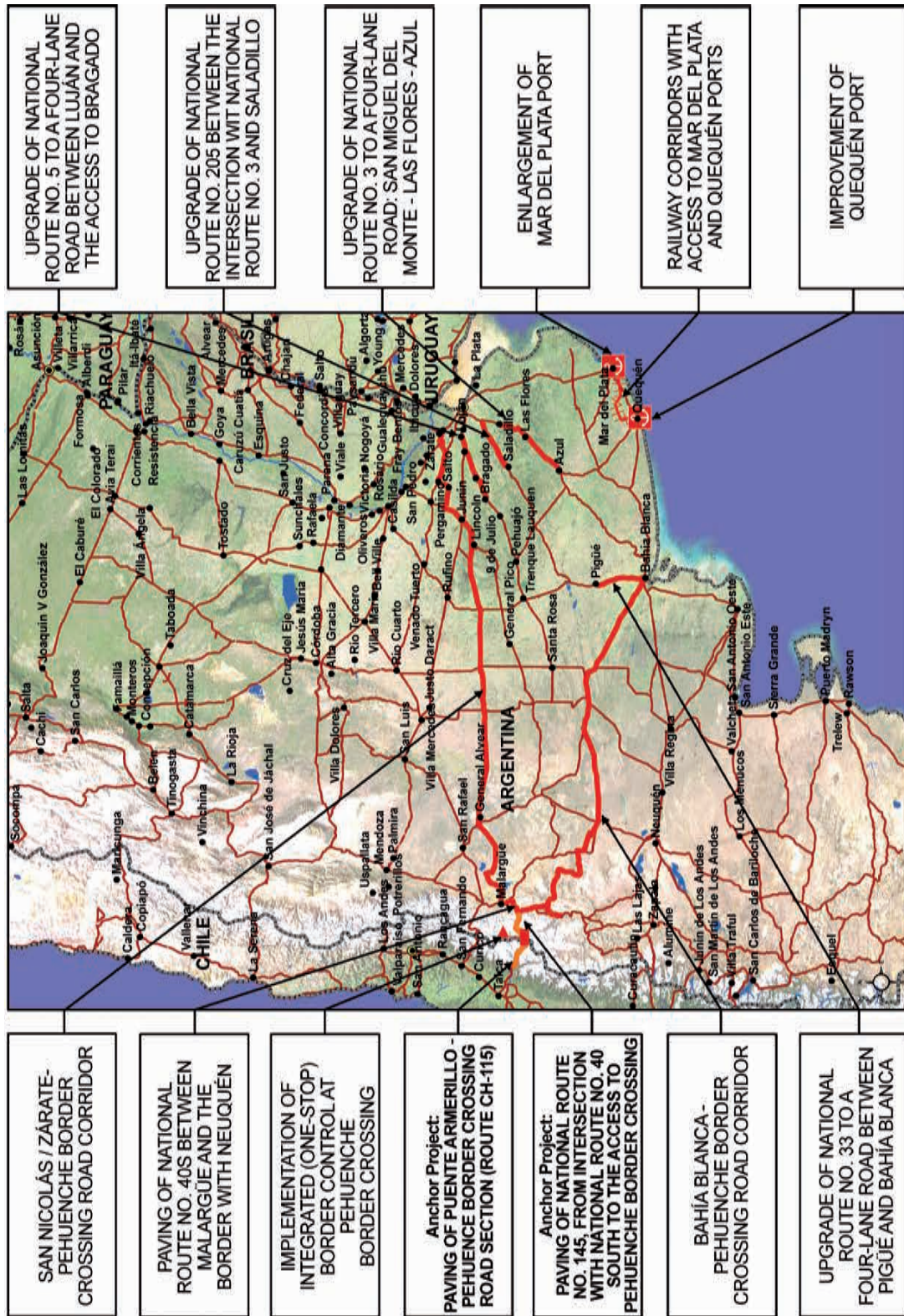
Code	MERCOSUR-Chile Hub: Group 5	Estimated Investment (US\$ million)
MCC03	Yacyretá - Buenos Aires Electricity Transmission Line (AR)	600.0
MCC61	Itaipu System (Existing) (BR - PY) (*)	16,000.0
MCC62	Construction of the Corpus Christi Hydroelectric Power Station (AR - PY)	4,200.0
MCC63	Construction of the Garabí Hydroelectric Power Station (AR - BR)	2,728.0
MCC64	Yacyretá Hydroelectric Dam: Raise Reservoir Storage Level to 83 (AR - PY)	1,200.0
MCC65	Aldea Brasileira (Argentina) - Uruguaiana - Porto Alegre Gas Pipeline (BR)	510.0
MCC66	Itaipu - Londrina - Araraquara Electricity Transmission Line (BR)	149.2
MCC68	Northeastern Argentine Gas Pipeline (AR)	1,000.0
MCC101	Atucha II Nuclear Power Plant (AR)	740.0
MCC102	LNG Regasification Facilities in Uruguay (AR - UY)	500.0
MCC103	400-MW Thermal Base Station in Uruguay (UY)	500.0
MCC104	Centurión and Talavera Micro-Hydroelectric Power Stations (65-MW total) on the Jaguarão River (UY)	60.0
MCC123	Electricity Interconnection between Uruguay and Brazil (BR - UY)	349.0
MCC125	Electricity Interconnection between Salto Grande and Melo (UY)	100.0
MCC129	Repowering of Embalse Nuclear Power Plant (AR)	1,000.0
MCC130	URUPABOL Gas Pipeline (Section II) (PY - UY) (**)	2,300.0
MCC138	Construction of the Panambi Hydroelectric Power Station (AR - BR)	2,474.0
TOTAL		18,410.2

Notes:

(*) Investments in this existing project have not been included in the estimated total amount of the group as they were mostly made before IIRSA was launched.

(**) This project is supplemented with Section I of Group 1 in the Central Interoceanic Hub, which includes Bolivia.

GROUP 6: PEHUENCHE



STRATEGIC FUNCTION

- Offer connectivity alternatives and services to the trade flows in the countries that make up the MERCOSUR and Chile
- Make the intra-regional development more dynamic
- Promote the development of integrated tourism in the region

Code	MERCOSUR-Chile Hub: Group 6	Estimated Investment (US\$ million)
MCC35	Implementation of Integrated (One-stop) Border Control at Pehuenche Border Crossing (AR - CH)	40.0
MCC37	Paving of National Route No. 145, from Intersection with National Route No. 40 South to the Access to Pehuenche Border Crossing (AR)	63.0
MCC38	Paving of National Route No. 40S between Malargüe and the Border with Neuquén (AR)	90.0
MCC47	Paving of Puente Armerillo - Pehuenche Border Crossing Road Section (Route CH-115) (CH)	60.0
MCC76	San Nicolás / Zárate - Pehuenche Border Crossing Road Corridor (AR)	1,000.0
MCC77	Railway Corridors with Access to Mar del Plata and Quequén Ports (AR)	35.0
MCC78	Enlargement of Mar del Plata Port (AR)	6.5
MCC79	Improvement of Quequén Port (AR)	40.0
MCC118	Bahía Blanca - Pehuenche Border Crossing Road Corridor (AR)	1,000.0
MCC146	Upgrade of National Route No. 3 to a Four-lane Road: San Miguel del Monte - Las Flores - Azul (AR)	166.0
MCC147	Upgrade of National Route No. 5 to a Four-lane Road between Luján and the Access to Bragado (AR)	240.0
MCC148	Upgrade of National Route No. 33 to a Four-lane Road between Pigüé and Bahía Blanca (AR)	260.0
MCC149	Upgrade of National Route No. 205 between the Intersection with National Route No. 3 and Saladillo (AR)	240.0
	TOTAL	3,240.5

Project Portfolio of the MERCOSUR-Chile Hub

General Aspects

The countries have agreed to include one hundred and thirteen projects in the MERCOSUR-Chile Hub, accounting for an estimated investment of US\$50,974.4 million, as summarized below:

Group	Name	Number of Projects	Estimated Investment (US\$ million)
Group 1	Belo Horizonte - Argentina / Brazil Border - Buenos Aires	22	12,703.3
Group 2	Porto Alegre - Argentina / Uruguay Border - Buenos Aires	22	2,805.6
Group 3	Valparaíso - Buenos Aires	19	9,688.0
Group 4	Coquimbo - Argentine Central Region - Paysandú	20	4,126.8
Group 5	Energy Group	17	18,410.2
Group 6	Pehuenche	13	3,240.5
TOTAL		113	50,974.4

Projects Lifecycle

Projects by Progress Attained

Stage	Number of Projects	Estimated Investment (US\$ million)	
Profiling	36	13,604.1	
Pre-execution	25	21,657.5	
Execution	36	9,199.6	
Concluded	16	6,513.2	
		113	50,974.4

Concluded Projects

Code	Project Name	Amount
MCC03	Yacyretá - Buenos Aires Electricity Transmission Line (AR)	600.0
MCC04	Completion of the Upgrade of the Belo Horizonte - São Paulo Road Section (BR-381 / SP / MG) to a Four-lane Road (BR)	1,300.0
MCC12	Construction of the São Paulo Ring Road (Southern Section) (BR)	2,700.0
MCC13	Construction and Paving of Route No. BR-282 / SC between Florianópolis and the Border with Argentina (BR)	100.0
MCC14	Construction of the Santa María - Rosario do Sul Road Section (BR-158 / RS) (BR)	30.0
MCC18	Rehabilitation of Porto Alegre - Uruguaiana Road Section (BR-290 / RS) (BR)	45.0
MCC26	Puntas del Tigre Combined Cycle Thermal Power Plant (UY)	170.0
MCC40	National Route No. 7, Construction of Laguna La Picasa Road Bypass (AR)	20.0

Code	Project Name	Amount
MCC41	National Route No. 7, Construction of Laguna La Picasa Railway Bypass (AR)	30.0
MCC46	Improvement of Road Access to Valparaíso Port (CH)	105.0
MCC48	Los Sauces Land Port (Los Andes) (CH)	10.0
MCC52	Rehabilitation and Upgrade of National Route No. 168 to a Four-lane Road from Paraná (Underwater Road Tunnel) to Santa Fe (AR)	40.0
MCC61	Itaipu System (Existing) (BR - PY) (*)	16,000.0
MCC64	Yacyretá Hydroelectric Dam: Raise Reservoir Storage Level to 83 (AR - PY)	1,200.0
MCC66	Itaipu - Londrina - Araraquara Electricity Transmission Line (BR)	149.2
MCC86	Expansion of Colonia Port (Docks, Dredging and Incorporation of Areas) (UY)	14.0
TOTAL		6,513.2

Note (*) Investments in this existing project have not been included in the estimated total amount of the group as they were mostly made before IIRSA was launched.

Sector-based Breakdown

Subsector	Transport		Energy		Communications	
	Number of Projects	Estimated Investment (US\$ million)	Number of Projects	Estimated Investment (US\$ million)	Number of Projects	Estimated Investment (US\$ million)
Air	8	2,749.3				
Road	56	21,296.4				
Railway	9	5,751.8				
River	3	73.0				
Sea	9	2,154.7				
Multimodal	2	27.0				
Border Crossings	7	342.0				
Power generation			12	14,082.0		
Power interconnection			6	4,498.1		
Communication interconnection					1	0,0
TOTAL	94	32,394.2	18	18,580.1	1	0,0

Project Typology

Air Transport

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Refitting of airports	1	0.0
New airports	2	70.0
Extension of airports	5	2,679.3
TOTAL	8	2,749.3

Road Transport

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Extension of the road capacity	23	8,657.0
Refitting of road and structures	14	3,236.6
Paving (new work)	8	781.0
Bridges (new and rehabilitation works)	5	216.3
Road by-pass and access to cities	4	6,555.5
Tunnels (new ones and refitting)	2	1,850.0
TOTAL	56	21,296.4

Railway Transport

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Building of railways	1	100.0
Refitting of railways	8	5,651.8
TOTAL	9	5,751.8

River Transport

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Building of new river ports	1	49.0
Refitting of the existing river ports	2	24.0
TOTAL	3	73.0

Sea Transport

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Extension of the road infrastructure of the maritime ports	7	1,617.1
Refitting of sea ports	2	537.6
TOTAL	9	2,154.7

Multimodal Transport

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Transfer stations	2	27.0
TOTAL	2	27.0

Border Crossings

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Infrastructure for the setting up of border control centers	4	70.0
Refitting of existing infrastructure in border control centers	1	12.0
Extension of infrastructure and capacity of border control centers	2	260.0
TOTAL	7	342.0

Power Generation

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Hydroelectric plants (new ones and refitting) – microcentrals	6	10,662.0
Thermoelectric plants	2	670.0
Generation by means of nuclear power	2	1,740.0
Other energy infrastructure	2	1,010.0
TOTAL	12	14,082.0

Power Interconnection

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Building of new power interconnections	6	4,498.1
TOTAL	6	4,498.1

Communication Interconnection

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Optical Fiber	1	0.0
TOTAL	1	0.0

Anchor Projects

The countries identified seven anchor projects in the MERCOSUR-Chile Hub, totaling an estimated investment of US\$6,289.2 million, according to the following detail:

Group	Anchor Projects	Estimated Investment (US\$ million)	Financing Source	Scope	Project Stage
1	Upgrade of National Route No. 14 to a Four-lane Road, between Paso de Los Libres and Gualeguaychú (AR)	780.0	Public	National	Execution
2	Upgrade Works of the Río Branco - Montevideo - Colonia - Nueva Palmira Road Corridor (Routes No. 1, 11, 8, 17, 18 and 26, Routes No. 23 and 12) (UY)	246.2	Public / Private	National	Execution
3	Railway Project between Los Andes, Chile and Mendoza, Argentina (Central Trans-Andean Railway) (AR - CH)	5,100.0	Private	Binational	Pre-execution
4	Rehabilitation and Upgrade of National Route No. 168 to a Four-lane Road from Paraná (Underwater Road Tunnel) to Santa Fe (AR)	40.0	Public	National	Concluded
5	Itaipu System (Existing) (BR - PY) ⁽¹⁾	16,000.0	Public	Binational	Concluded
6	Paving of National Route No. 145, from Intersection with National Route No. 40 South to the Access to Pehuenche Border Crossing (AR)	63.0	Public	National	Execution
6	Paving of Puente Armerillo - Pehuenche Border Crossing Road Section (Route CH-115) (CH)	60.0	Public	National	Execution
TOTAL		6,289.2			

PERU - BRAZIL - BOLIVIA HUB



Country members

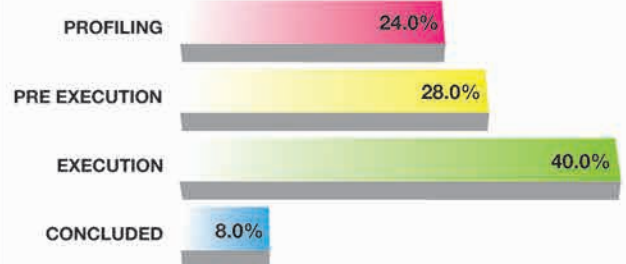


Total Number of project: 25

Investment: 28,878.7
(US\$ million)

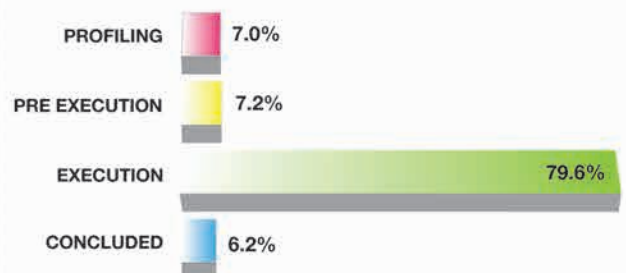
Total Number of project

Percentage by stage

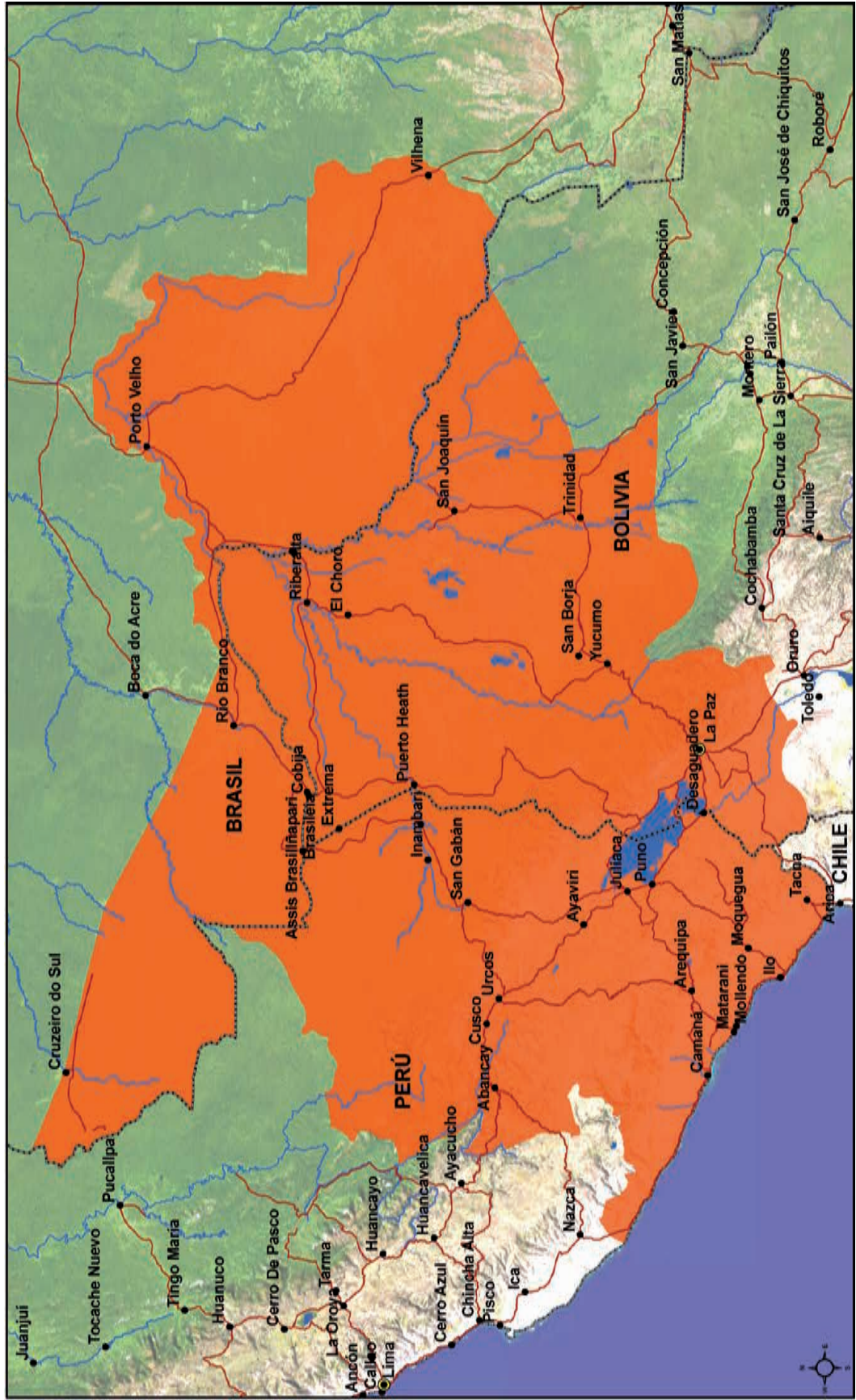


Investment

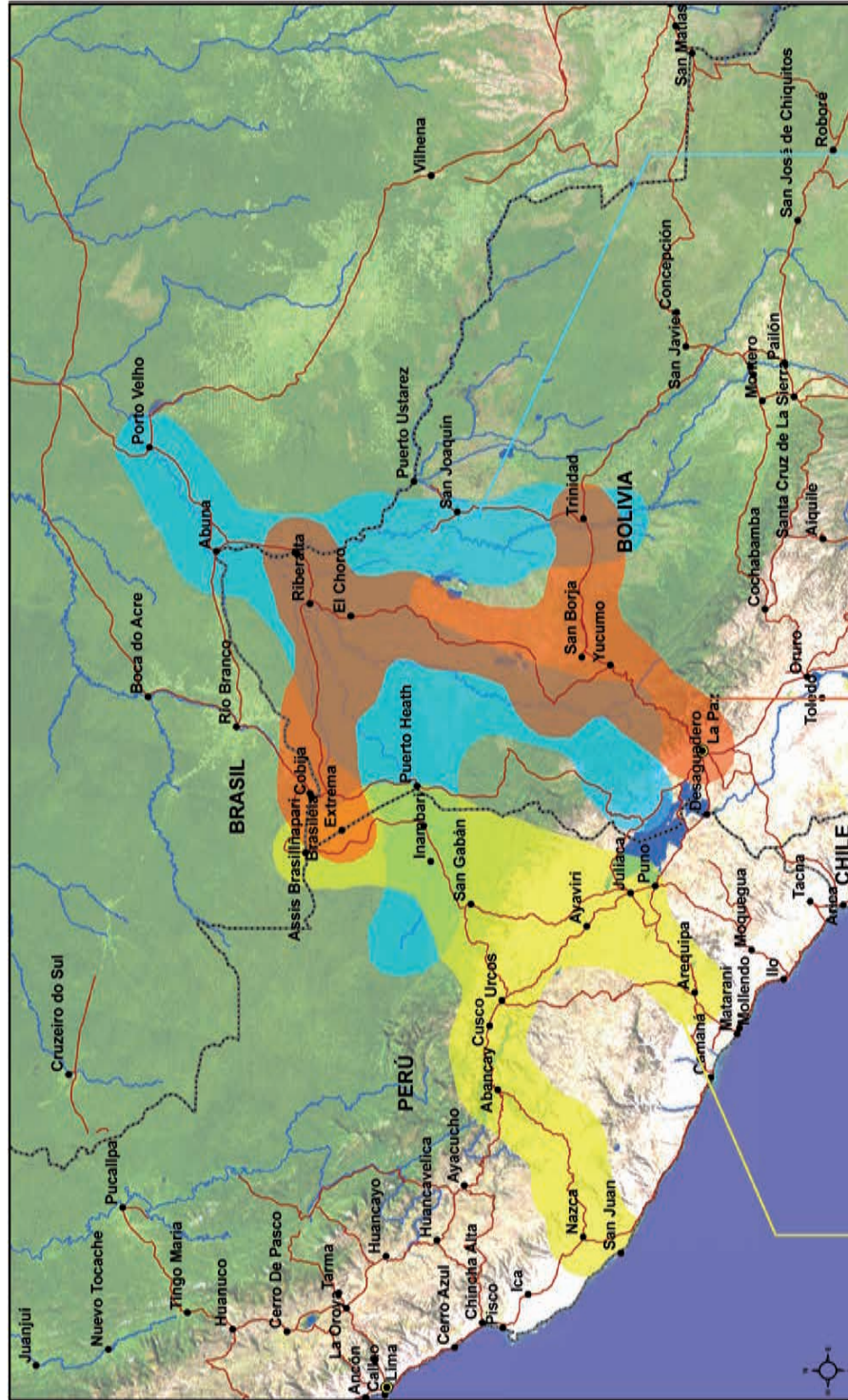
Percentage by stage



AREA OF INFLUENCE



PROJECT GROUPS

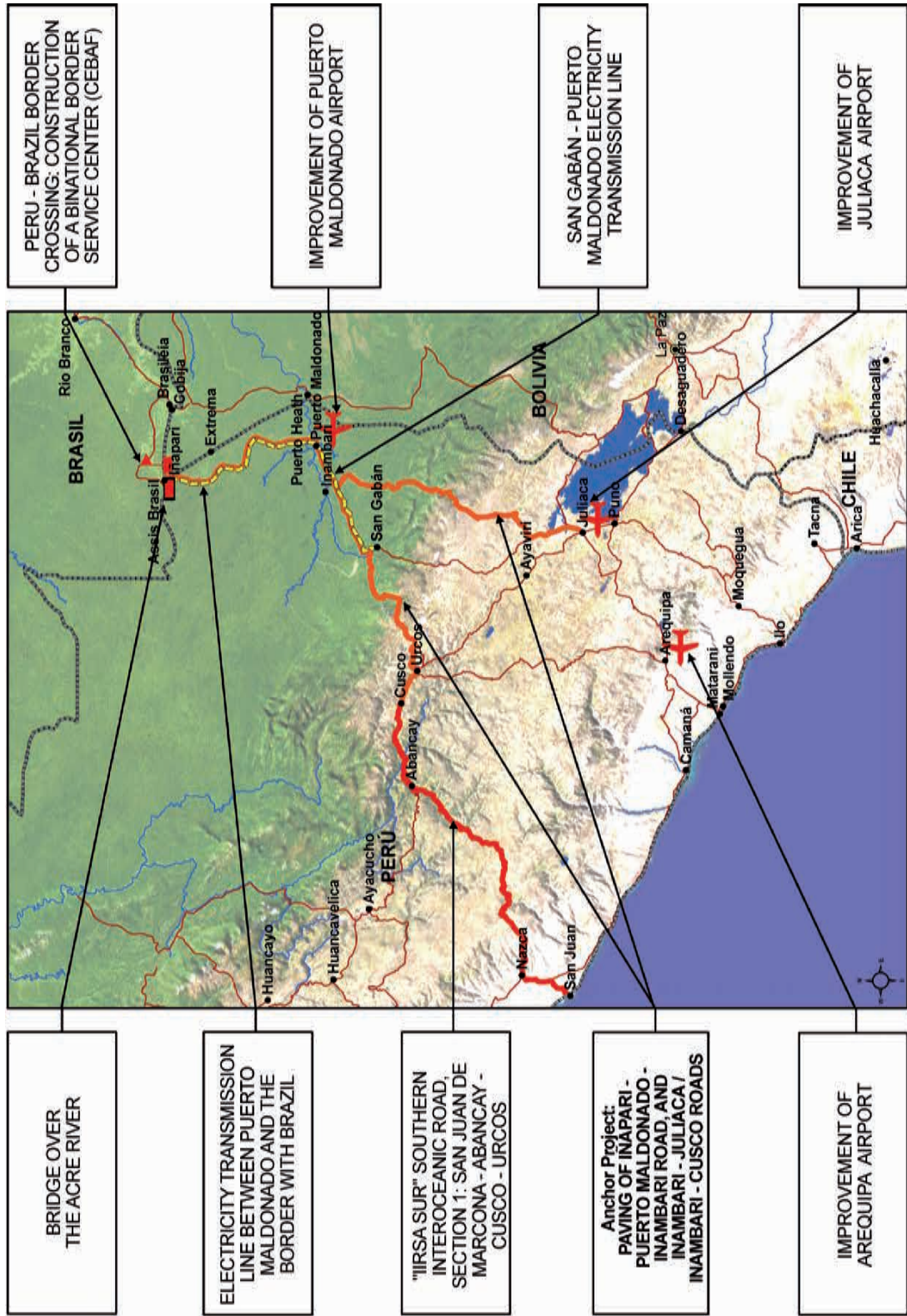


Group 1: CORRIDOR PORTO VELHO - RIO BRANCO - ASSIS - PUERTO MALDONADO - CUSCO / JULIACA - PORTS IN THE PACIFIC

Group 2: RIO BRANCO - COBIJA - RIBERALTA - YUCUMO - LA PAZ CORRIDOR

Group 3: MADEIRA - MADRE DE DIOS - BENI RIVER CORRIDOR

GROUP 1: CORRIDOR PORTO VELHO - RIO BRANCO - ASSIS - PUERTO MALDONADO - CUSCO / JULIACA - PORTS IN THE PACIFIC

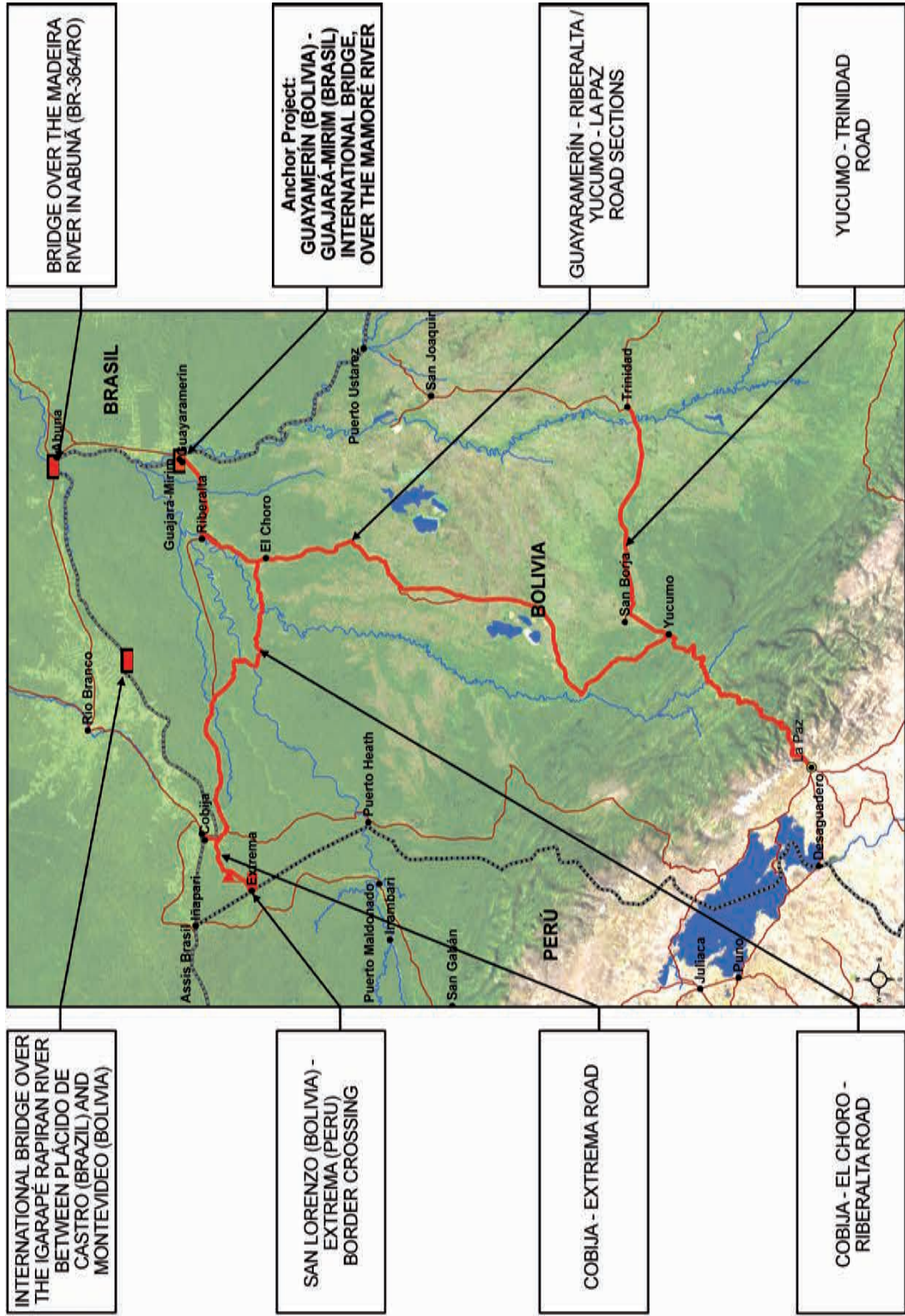


STRATEGIC FUNCTION

- Open up new possibilities for the socioeconomic development of the macro-region in the south of Peru and the states of Acre and Rondônia, in Brazil, through their joint linkage; and facilitate access of these Brazilian states as well as of the Peruvian sierras and Amazonia to international markets, particularly of the Pacific Basin, thus promoting the regional integration process

Code	Peru-Brazil-Bolivia Hub: Group 1	Estimated Investment (US\$ million)
PBB01	Paving of Iñapari - Puerto Maldonado - Inambari Road, and Inambari - Juliaca / Inambari - Cusco Roads (PE)	1,782.2
PBB02	Peru - Brazil Border Crossing: Construction of a Binational Border Service Center (CEBAF) (BR - PE)	8.3
PBB03	Bridge over the Acre River (BR - PE)	12.0
PBB04	Improvement of Puerto Maldonado Airport (PE)	42.4
PBB58	Electricity Transmission Line between Puerto Maldonado and the Border with Brazil (PE)	14.0
PBB59	San Gabán - Puerto Maldonado Electricity Transmission Line (PE)	23.6
PBB61	Improvement of Juliaca Airport (PE)	44.2
PBB62	Improvement of Arequipa Airport (PE)	51.2
PBB63	"IIRSA Sur" Southern Interoceanic Road, Section 1: San Juan de Marcona - Abancay - Cusco - Urcos (PE)	135.9
	TOTAL	2,113.8

GROUP 2: RIO BRANCO - COBIJA - RIBERALTA - YUCUMO - LA PAZ CORRIDOR

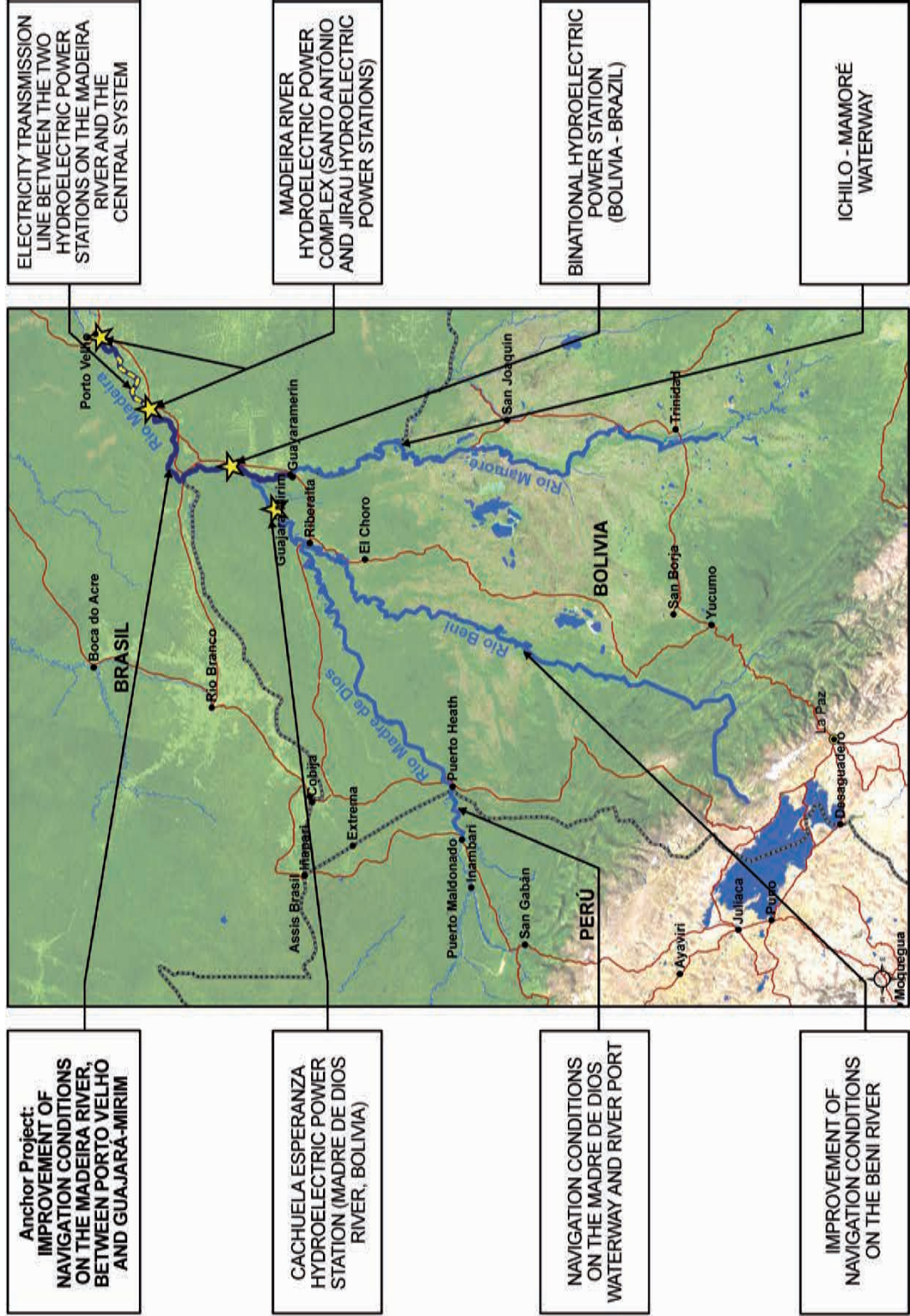


STRATEGIC FUNCTION

- Provide new possibilities for the socioeconomic development in the Madre de Dios - Acre - Pando (MAP) region through its connection to the central Bolivian hub

Code	Peru-Brazil-Bolivia Hub: Group 2	Estimated Investment (US\$ million)
PBB05	Guayaramerín - Riberalta / Yucumo - La Paz Road Sections (BO)	585.5
PBB06	Cobija - El Choro - Riberalta Road (BO)	44.2
PBB07	Yucumo - Trinidad Road (BO)	5.5
PBB08	Cobija - Extrema Road (BO)	29.0
PBB09	San Lorenzo (Bolivia) - Extrema (Peru) Border Crossing (BO - PE)	8.3
PBB60	Guayaramerín (Bolivia) - Guajará - Mirim (Brazil) International Bridge, over the Marmoré River (BO - BR)	75.0
PBB64	Bridge over the Madeira River in Abuna (BR-364/RO) (BR)	85.4
PBB65	International Bridge over the Igarapé Rapiran river between Plácido de Castro (Brazil) and Montevideo (Bolivia) (BO - BR)	0.0
	TOTAL	832.9

GROUP 3: MADEIRA - MADRE DE DIOS - BENI RIVER CORRIDOR



STRATEGIC FUNCTION

- Consolidate an international river integration corridor that mainly impacts on the transportation logistics and the socioeconomic development of the regions of Madre de Dios, in Peru; Rondônia, in Brazil, and Pando and Beni, in Bolivia
- Facilitate changes in the energy matrix by increasing the supply of renewable energy in the region

Code	Peru-Brazil-Bolivia Hub: Group 3	Estimated Investment (US\$ million)
PBB11	Improvement of Navigation Conditions on the Madeira River, between Porto Velho and Guajará-Mirim (BR)	700.0
PBB12	Cachuela Esperanza Hydroelectric Power Station (Madre de Dios River, Bolivia) (BO)	1,200.0
PBB13	Ichilo - Mamoré Waterway (BO)	0.0
PBB14	Improvement of Navigation Conditions on the Beni River (BO)	0.0
PBB15	Navigation Conditions on the Madre de Dios Waterway and River Port (BO)	0.0
PBB16	Madeira River Hydroelectric Power Complex (Santo Antônio and Jirau Hydroelectric Power Stations) (BR)	18,209.0
PBB17	Binational Hydroelectric Power Station (Bolivia - Brazil) (BO - BR)	2,000.0
PBB18	Electricity Transmission Line between the Two Hydroelectric Power Stations on the Madeira River and the Central System (BR)	3,823.0
	TOTAL	25,932.0

Project Portfolio of the Peru-Brazil-Bolivia Hub

General Aspects

The countries have agreed to include twenty-five projects in the Peru-Brazil-Bolivia Hub, accounting for an estimated investment of US\$28,878.7 million, as summarized below:

Group	Name	Number of Projects	Estimated Investment (US\$ million)
Group 1	Corridor Porto Velho - Rio Branco - Assis - Puerto Maldonado - Cusco / Juliaca - Ports in the Pacific	9	2,113.8
Group 2	Rio Branco - Cobija - Riberalta - Yucumo - La Paz Corridor	8	832.9
Group 3	Madeira - Madre de Dios - Beni River Corridor	8	25,932.0
	TOTAL	25	28,878.7

Projects Lifecycle

Projects by Progress Attained

Stage	Number of Projects	Estimated Investment (US\$ million)
Profiling	6	2,022.4
Pre-execution	7	2,074.2
Execution	10	22,987.9
Concluded	2	1,794.2
	25	28,878.7

Concluded Projects

Code	Project Name	Amount
PBB01	Paving of Iñapari - Puerto Maldonado - Inambari Road, and Inambari - Juliaca / Inambari - Cusco Roads (PE)	1,782.2
PBB03	Bridge over the Acre River (BR - PE)	12.0
	TOTAL	1,794.2

Sector-based Breakdown

Subsector	Transport		Energy	
	Number of Projects	Estimated Investment (US\$ million)	Number of Projects	Estimated Investment (US\$ million)
Air	3	137.7		
Road	10	2,754.7		
River	4	700.0		
Border Crossings	2	16.7		
Power generation			3	21,409.0
Power interconnection			3	3,860.6
TOTAL	19	3,609.1	6	25,269.6

Project Typology

Air Transport

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Extension of airports	3	137.7
TOTAL	3	137.7

Road Transport

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Extension of the road capacity	1	1,782.2
Refitting of road and structures	1	135.9
Paving (new work)	4	664.2
Bridges (new ones and refitting)	4	172.4
TOTAL	10	2,754.7

River Transport

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Improvement of river navigability	4	700.0
TOTAL	4	700.0

Border Crossings

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Infrastructure for new the setting up of border control centers	2	16.7
TOTAL	2	16.7

Power Generation

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Hydroelectric plants (new ones and refitting) – microcentrals	3	21,409.0
TOTAL	3	21,409.0

Power Interconnection

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Building of new power interconnections	3	3,860.6
TOTAL	3	3,860.6

Anchor Projects

The countries identified three anchor projects in the Peru-Brazil-Bolivia Hub, totaling an estimated investment of US\$2,557.2 million, according to the following detail:

Group	Anchor Projects	Estimated Investment (US\$ million)	Financing Source	Scope	Project Stage
1	Paving of Iñapari - Puerto Maldonado - Inambari Road, and Inambari - Juliaca / Inambari - Cusco Roads (PE)	1,782.2	Private	National	Concluded
2	Guayaramerín (Bolivia) - Guajará - Mirim (Brazil) International Bridge, over the Marmoré River (BO - BR)	75.0	Public	Binational	Pre-execution
3	Improvement of Navigation Conditions on the Madeira River, between Porto Velho and Guajará-Mirim (BR)	700.0	Public	National	Pre-execution
	TOTAL	2,557.2			

SOUTHERN HUB



Country members

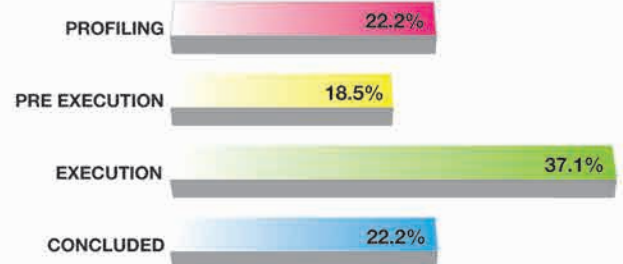


Total Number of project: 27

Investment: 2,817.0
(US\$ million)

Total Number of project

percentage by stage

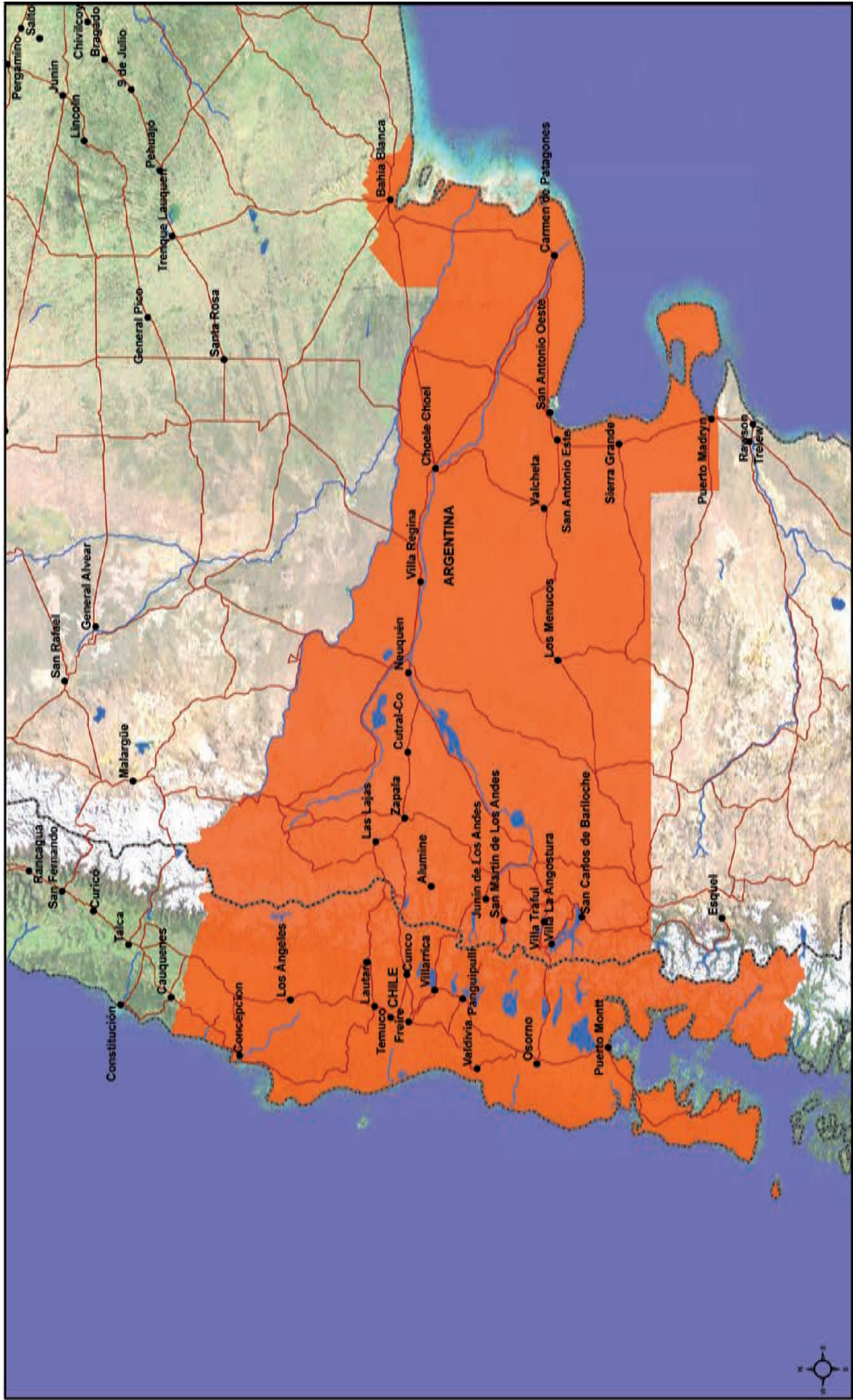


Investment

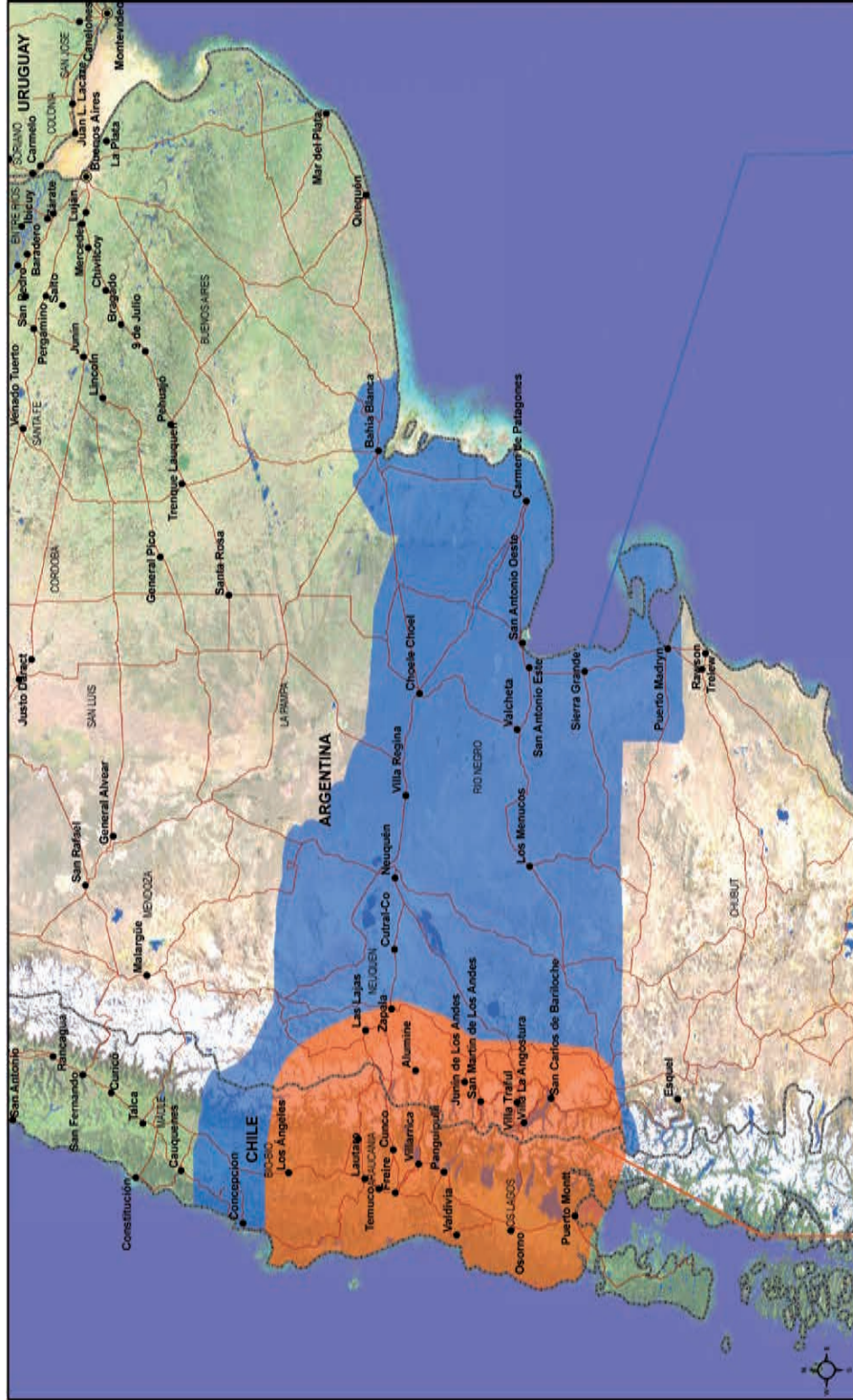
percentage by stage



AREA OF INFLUENCE



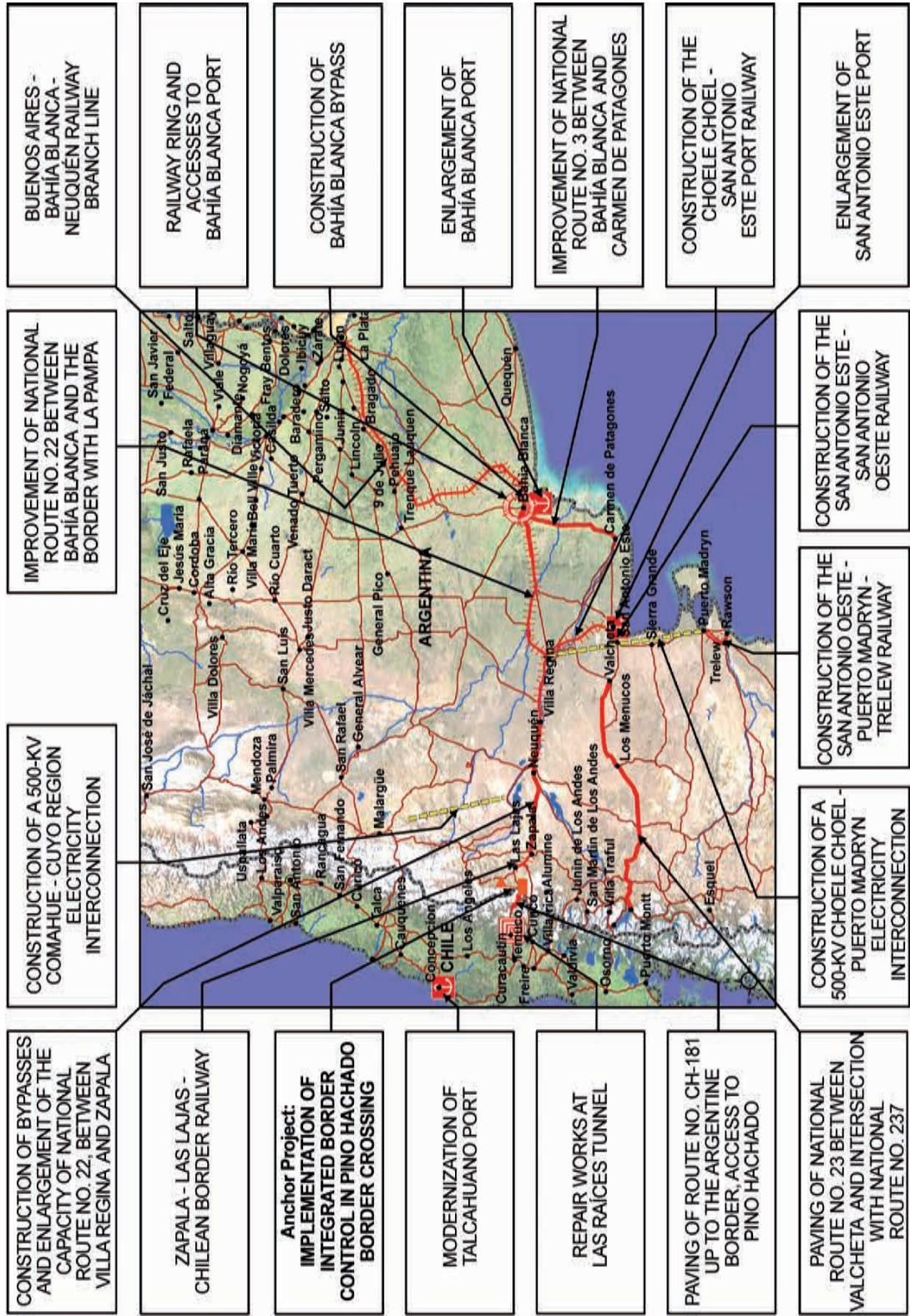
PROJECT GROUPS



Group 1: CONCEPCIÓN -
BAHÍA BLANCA -
SAN ANTONIO ESTE PORT

Group 2: BINATIONAL TOURISTIC
CIRCUIT OF THE LAKES AREA

GROUP 1: CONCEPCIÓN - BAHÍA BLANCA - SAN ANTONIO ESTE PORT

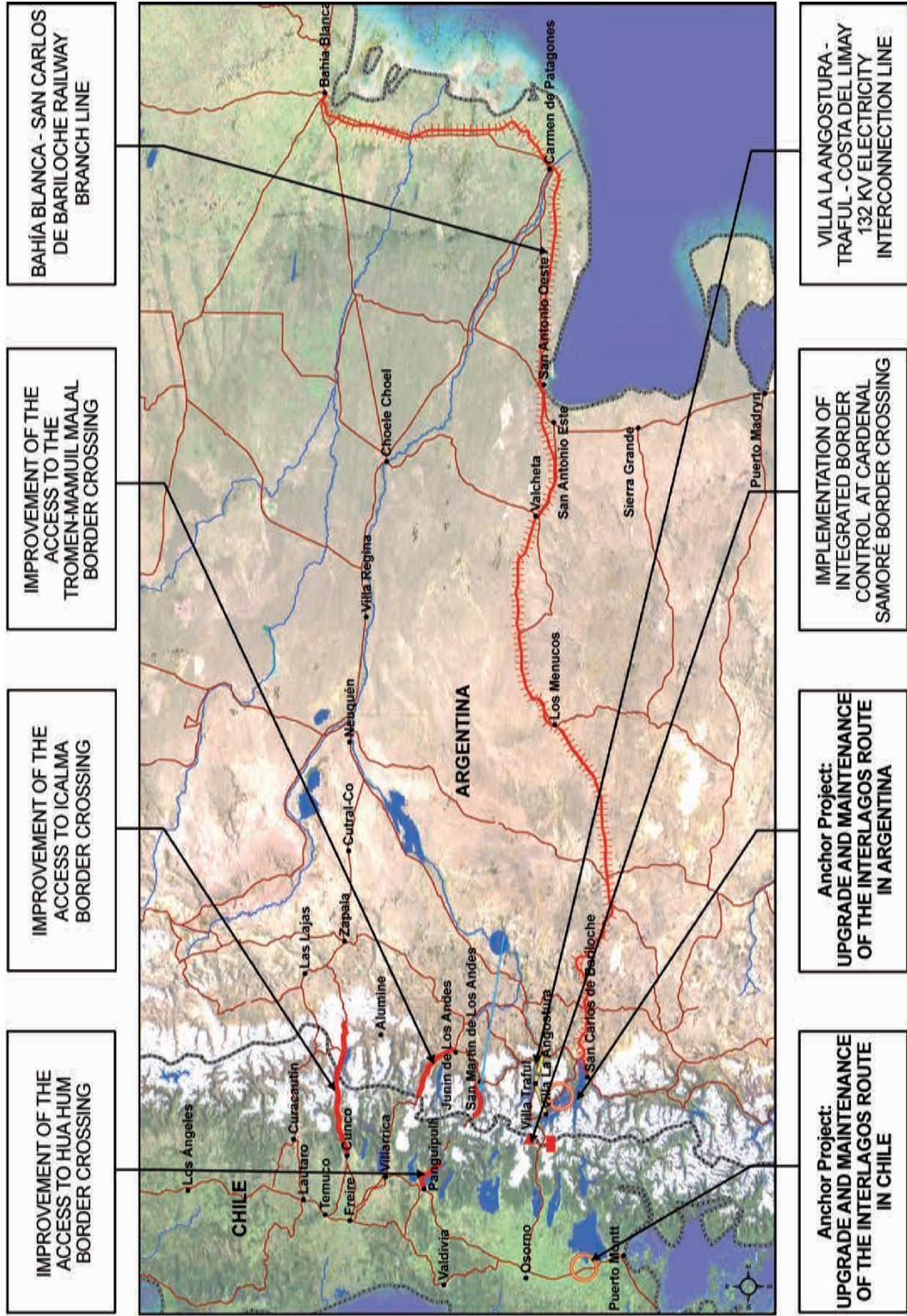


STRATEGIC FUNCTION

- Reduce transportation costs and thus enhance trade and economic complementariness between the countries
- Create economic and social development opportunities

Code	Southern Hub: Group 1	Estimated Investment (US\$ million)
DES01	Implementation of Integrated Border Control in Pino Hachado Border Crossing (AR - CH)	8.0
DES02	Enlargement of San Antonio Este Port (AR)	0.0
DES03	Construction of Bypasses and Enlargement of the Capacity of National Route No. 22, between Villa Regina and Zapala (AR)	150.0
DES04	Construction of Bahía Blanca Bypass (AR)	8.0
DES05	Construction of the Choele Choel - San Antonio Este Port Railway (AR)	40.0
DES06	Construction of a 500-KV Comahue - Cuyo Region Electricity Interconnection (AR)	350.0
DES07	Construction of a 500-KV Choele Choel - Puerto Madryn Electricity Interconnection (AR)	70.0
DES08	Improvement of National Route No. 22 between Bahía Blanca and the Border with La Pampa (AR)	35.0
DES09	Improvement of National Route No. 3 between Bahía Blanca and Carmen de Patagones (AR)	68.0
DES10	Paving of National Route No. 23 between Valcheta and Intersection with National Route No. 237 (AR)	260.0
DES11	Paving of Route CH-181 up to the Argentine Border, Access to Pino Hachado (CH)	5.0
DES12	Modernization of Talcahuano Port (CH)	53.0
DES13	Repair Works at Las Raíces Tunnel (CH)	10.5
DES14	Construction of the San Antonio Oeste - Puerto Madryn - Trelew Railway (AR)	48.0
DES15	Construction of the San Antonio Este - San Antonio Oeste Railway (AR)	8.5
DES22	Railway Ring and Accesses to Bahía Blanca Port (AR)	250.0
DES23	Buenos Aires - Bahía Blanca - Neuquén Railway Branch Line (AR)	180.0
DES24	Ferrocarril de Zapala a Las Lajas - Límite con Chile (AR)	70.0
DES25	Enlargement of Bahía Blanca Port (AR)	290.0
	TOTAL	1,904.0

GROUP 2: BINATIONAL TOURIST CIRCUIT OF THE LAKES AREA



STRATEGIC FUNCTION

- Reinforce the binational tourism system in the lake area
- Create economic and social development opportunities
- Favor conservation of the area's environmental resources

Code	Southern Hub: Group 2	Estimated Investment (US\$ million)
DES16	Upgrade and Maintenance of the Interlagos Route in Chile (CH)	175.0
DES17	Implementation of Integrated Border Control at Cardenal Samoré Border Crossing (AR - CH)	2.0
DES18	Upgrade and Maintenance of the Interlagos Route in Argentina (AR)	200.0
DES19	Improvement of the Access to Icalma Border Crossing (AR - CH)	44.0
DES20	Improvement of the Access to the Tromen - Mamuil Malal Border Crossing (AR - CH)	30.0
DES21	Improvement of the Access to Hua Hum Border Crossing (AR - CH)	32.0
DES26	Bahía Blanca - San Carlos de Bariloche Railway Branch Line (AR)	400.0
DES27	Villa La Angostura - Traful - Costa del Limay 132-KV Electricity Interconnection Line (AR)	30.0
TOTAL		913.0

Project Portfolio of the Southern Hub

General Aspects

The countries have agreed to include twenty-seven projects in the Southern Hub, accounting for an estimated investment of US\$2,817 million, as summarized below:

Group	Name	Number of Projects	Estimated Investment (US\$ million)
Group 1	Concepción - Bahía Blanca - San Antonio Este Port	19	1,904.0
Group 2	Binational Tourist Circuit of the Lakes Area	8	913.0
TOTAL		27	2,817.0

Projects Lifecycle

Projects by Progress Attained

Stage	Number of Projects	Estimated Investment (US\$ million)
Profiling	6	706.5
Pre-execution	5	592.0
Execution	10	1,073.0
Concluded	6	445.5
TOTAL	27	2,817.0

Concluded Projects

Code	Project Name	Amount
DES01	Implementation of Integrated Border Control in Pino Hachado Border Crossing (AR - CH)	8.0
DES06	Construction of a 500-KV Comahue - Cuyo Region Electricity Interconnection (AR)	350.0
DES07	Construction of a 500-KV Choele Choel - Puerto Madryn Electricity Interconnection (AR)	70.0
DES11	Paving of Route CH-181 up to the Argentine Border, Access to Pino Hachado (CH)	5.0
DES13	Repair Works at Las Raíces Tunnel (CH)	10.5
DES17	Implementation of Integrated Border Control at Cardenal Samoré Border Crossing (AR - CH)	2.0
TOTAL		445.5

Sector-based Breakdown

Subsector	Transport		Energy	
	Number of Projects	Estimated Investment (US\$ million)	Number of Projects	Estimated Investment (US\$ million)
Road	12	1,017.5		
Railway	7	996.5		
Maritime	3	343.0		
Border Crossings	2	10.0		
Power interconnection			3	450.0
TOTAL	24	2,367.0	3	450.0

Project Typology

Road Transport

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Extension of the road capacity	1	150.0
Refitting of road and structures	7	792.5
Paving (new work)	3	67.0
Road by-pass and access to cities	1	8.0
TOTAL	12	1,017.5

Railway Transport

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Building of railways	4	166.5
Refitting of railways	2	580.0
Railway by-pass	1	250.0
TOTAL	7	996.5

Sea Transport

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Extension of the road infrastructure of the maritime ports	2	290.0
Refitting of sea ports	1	53.0
TOTAL	3	343.0

Project Typology (cont.)**Border Crossings**

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Infrastructure for the setting up of border control centers	2	10.0
TOTAL	2	10.0

Power Interconnection

Project Typology	Number of Projects	Estimated Investment (US\$ million)
Building of new power interconnections	3	450.0
TOTAL	3	450.0

Anchor Projects

The countries identified three anchor projects in the Southern Hub, totaling an estimated investment of US\$383 million, according to the following detail:

Group	Anchor Projects	Estimated Investment (US\$ million)	Financing Source	Scope	Project Stage
1	Implementation of Integrated Border Control in Pino Hachado Border Crossing (AR - CH)	8.0	Public	Binational	Concluded
2	Upgrade and Maintenance of the Interlagos Route in Chile (CH)	175.0	Public	National	Execution
2	Upgrade and Maintenance of the Interlagos Route in Argentina (AR)	200.0	Public	National	Execution
	TOTAL	383.0			



I . I . R . S . A

www.iirsa.org