

# I . I . R . S . A

INITIATIVE FOR THE INTEGRATION OF REGIONAL  
INFRASTRUCTURE IN SOUTH AMERICA

## Eleventh Meeting of the Executive Steering Committee (CDE)

### ANNEX 4 - Part 1

### Achievements and Progress of the IIRSA Initiative - 2009



December 3<sup>rd</sup> and 4<sup>th</sup>, 2009  
Buenos Aires. Argentine Republic

# Introduction



IIRSA was created in the First Meeting of South American Presidents, held in 2000.

IIRSA is an institutional mechanism for the coordination of intergovernmental actions performed by the twelve South American countries to make progress in the physical integration of the region.

IIRSA was consolidated as an essential forum for the creation of a common agenda related to actions and projects of infrastructure integration regarding transportation, energy and communications.

During 2009, the Presidency of IIRSA has been held by Argentina and guided by a Work Plan for the year, which was approved in the Tenth Meeting of the CDE, in Cartagena de Indias, Colombia.



# **WORK PLAN - 2009**

## TOPICS IN THE PRESENTATION

### **Project Portfolio - 2009**

- Works in the Integration and Development Hubs – EIDs, in Spanish
- Project Data Base
- Progress by EID

### **Implementation Agenda Based on Consensus (AIC, in Spanish) 2005-2010**

- Monitoring System
- Progress

### **Development and Application of Methodologies and Tools**

- Strategic Environmental and Social Assessment – EASE, in Spanish
- Production Integration and Logistics – IPr-Lg, in Spanish
- South American Geospatial Network – GeoSUR

### **Sectoral Integration Processes**

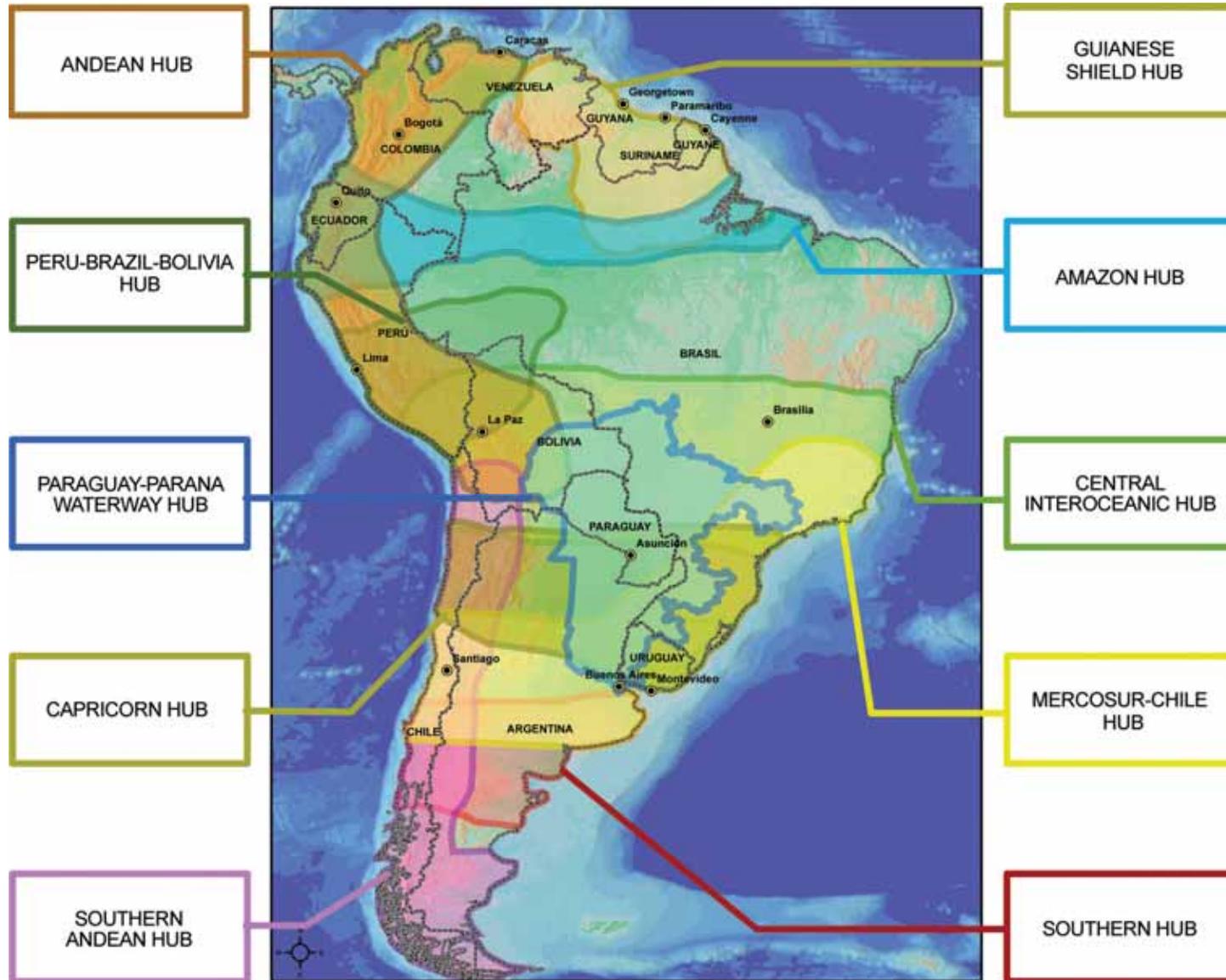
- Funds for Project Preparation
- Border Crossings and Border Integration
- Project: Exports through Postal Services for PyMEs
- Project: South American Roaming Agreement

### **Consolidation of the IIRSA Initiative**

- Strategic Thinking Forum
- Relation with other regional forums
- Dialogue with the Civil Society
- UNASUR and the IIRSA Initiative

# Planning – Stage I

## Integration and Development Hubs



The use of the concept “Integration and Development Hub” was the basis of the Territorial Planning in IIRSA and also of the ordering of the Project Portfolio of the Initiative.

The Hubs were an innovation that allowed the South American countries to work in the planning beyond their borders.

# Planning – Stage I

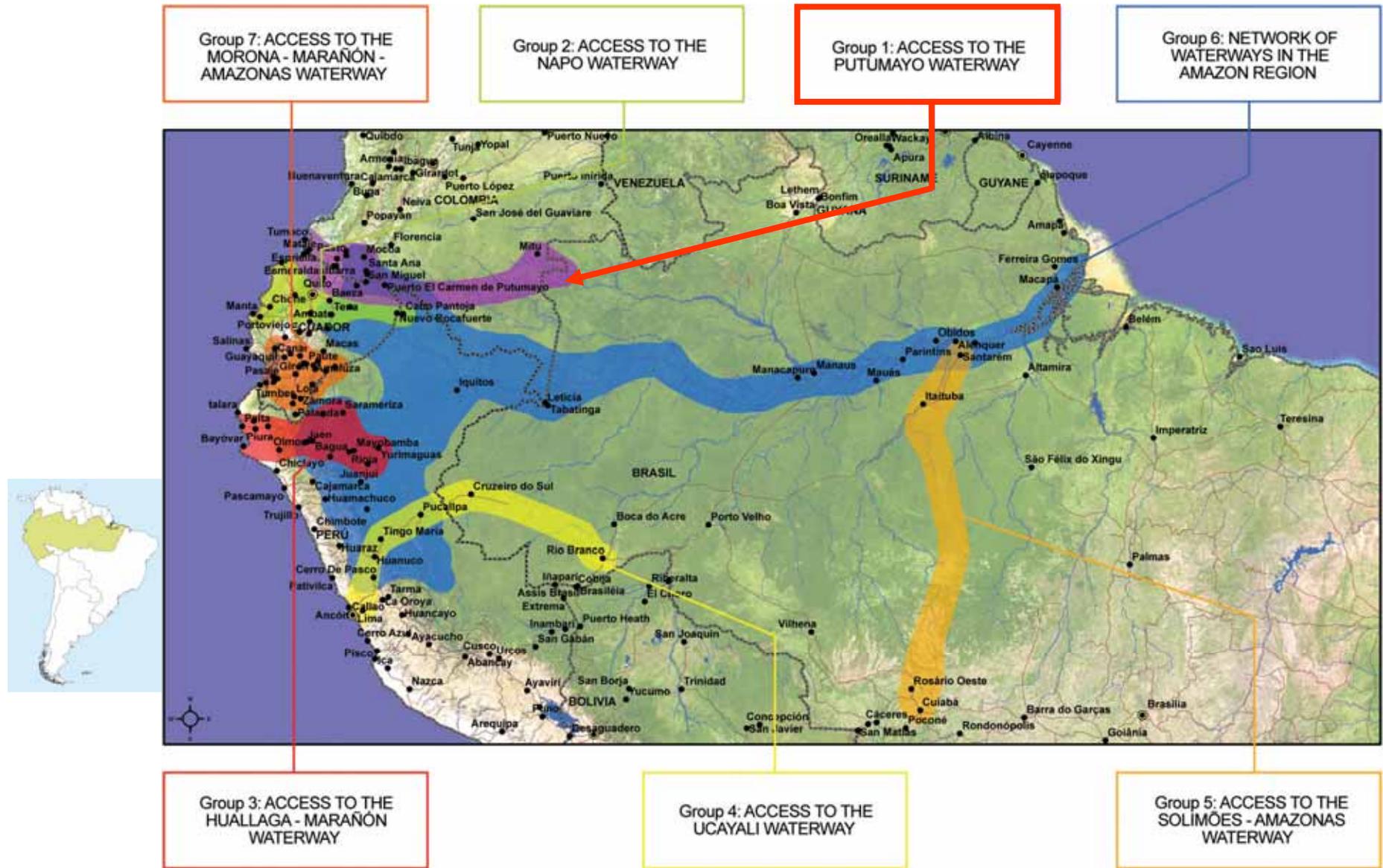
## Amazon Hub

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



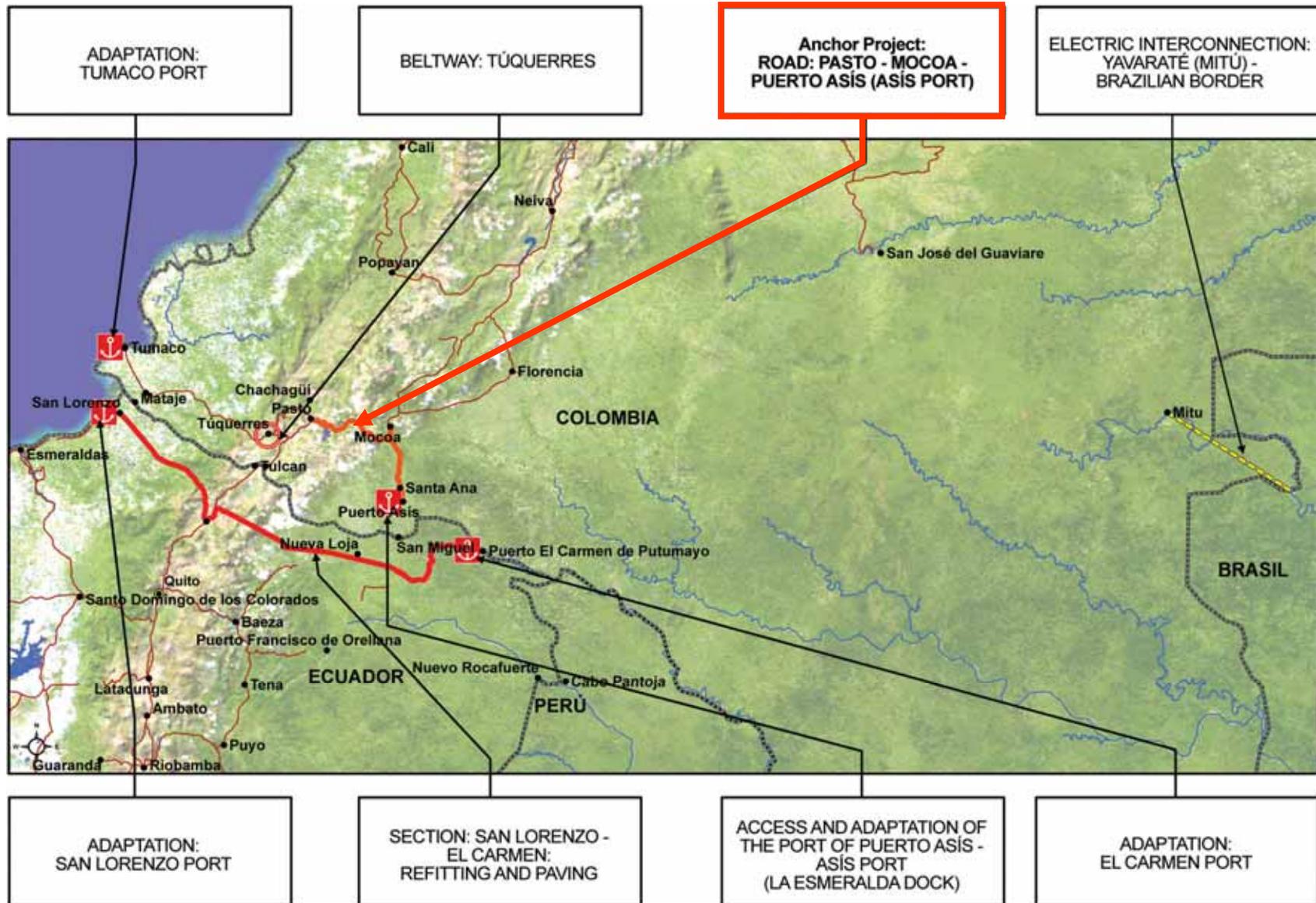
# Planning – Stage I

## Amazon Hub – Groups of Projects

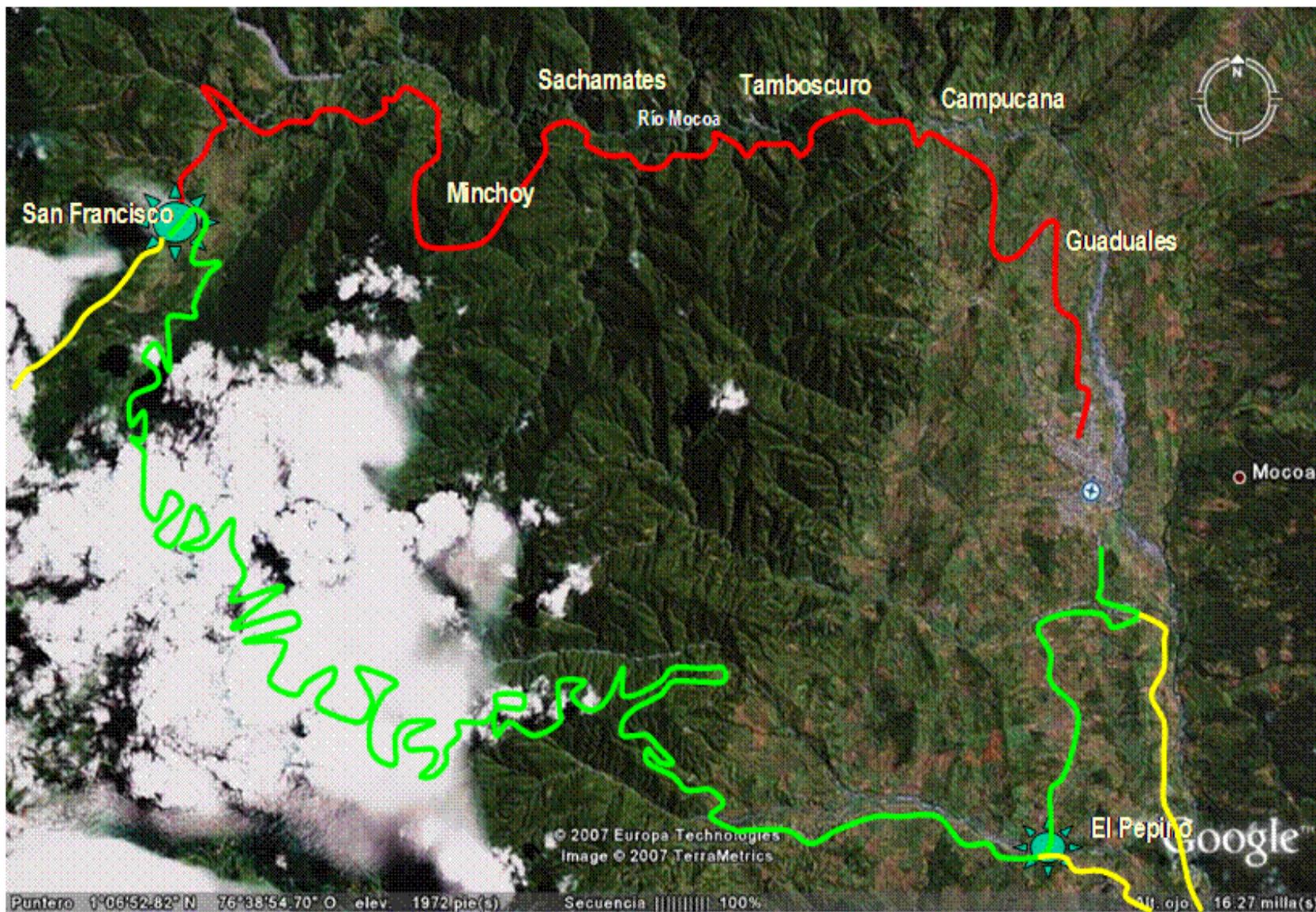


# Planning – Stage I

## Amazon Hub – Group 1: Access to the Putumayo Waterway



## Location of the Road Corridor, San Francisco – Mocoa detour



# Planning – Stage I

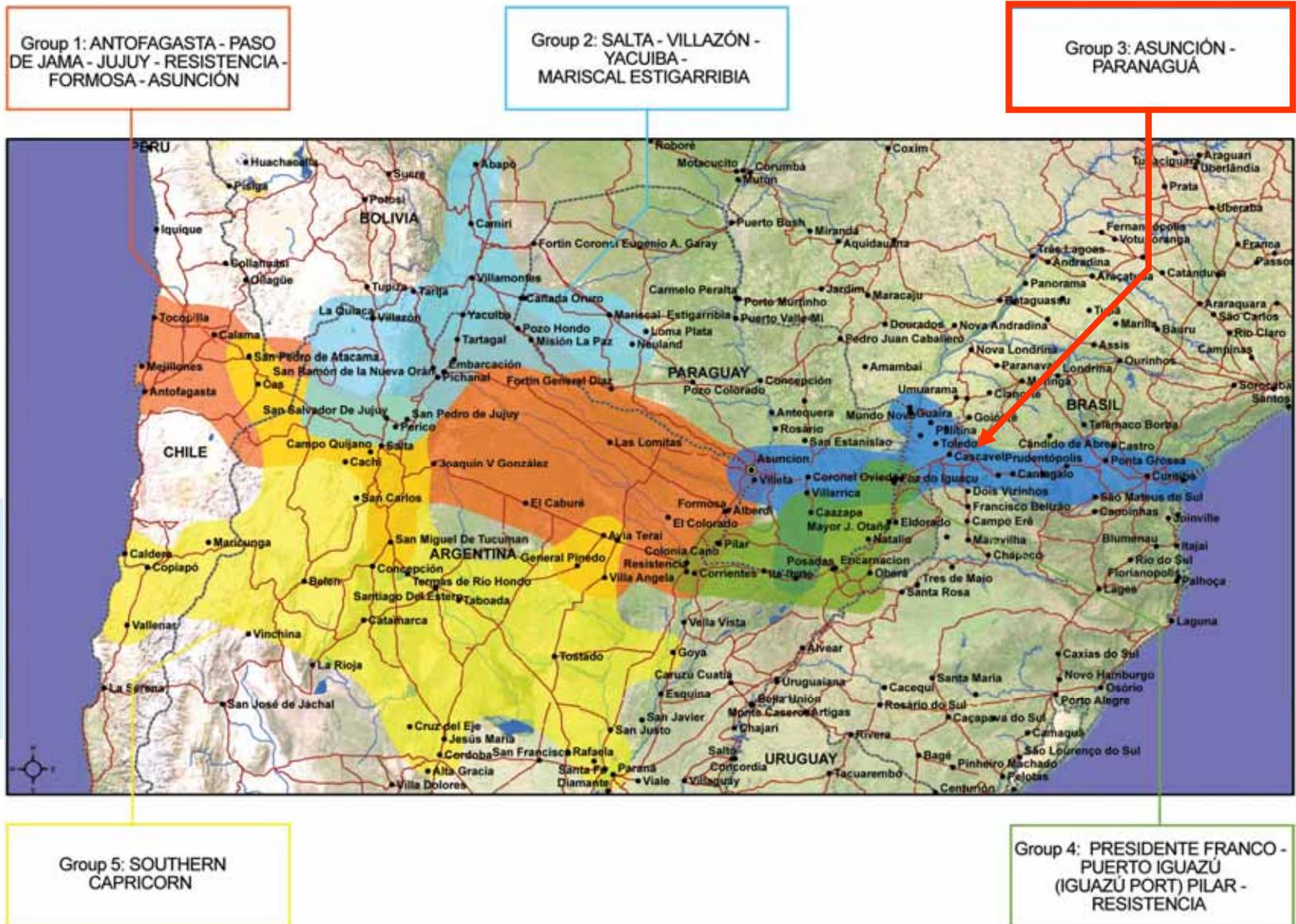
## Capricorn Hub

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



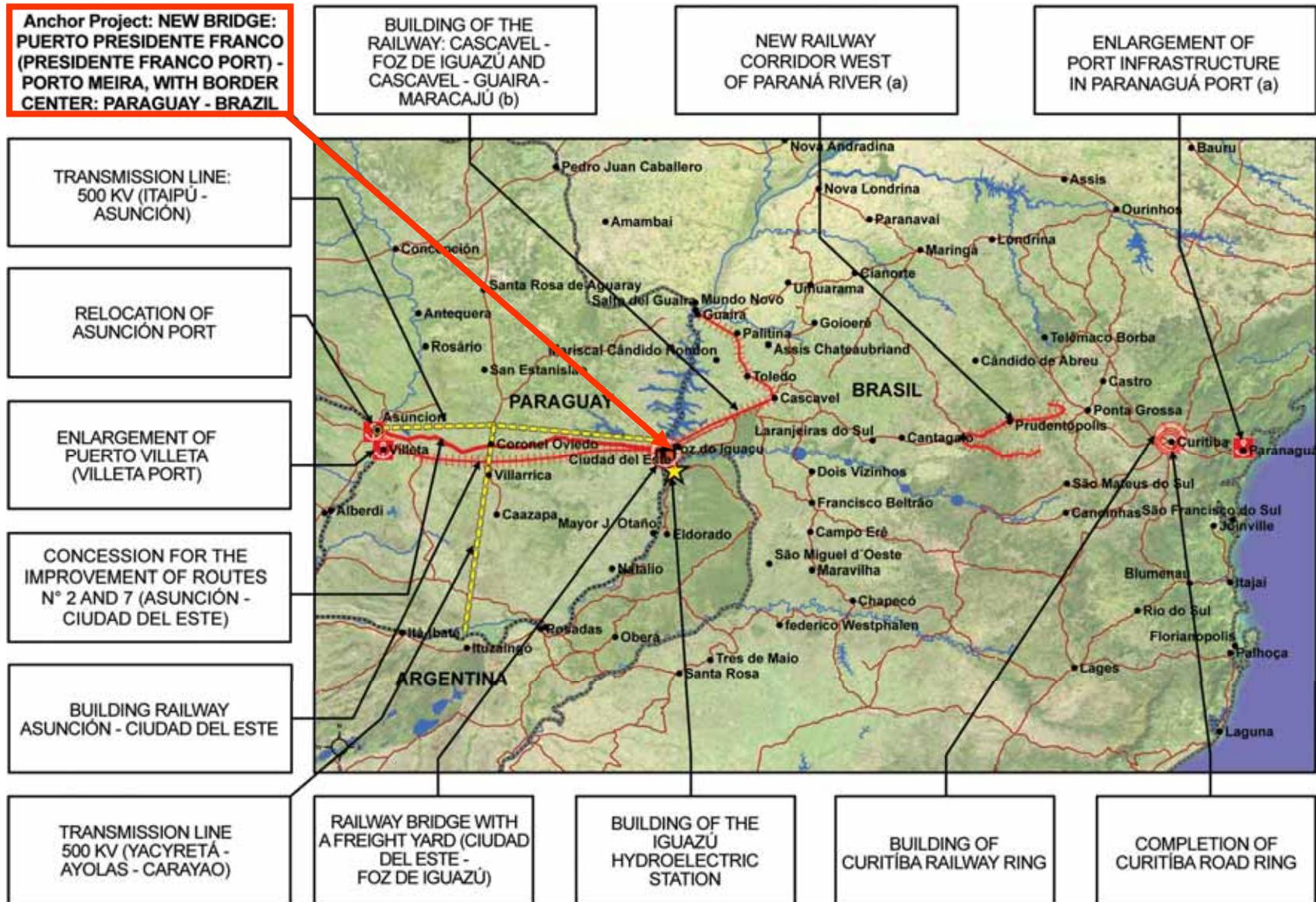
# Planning – Stage I

## Capricorn Hub – Group of Projects



# Planning – Stage I

## Capricorn Hub – Group 3: Asunción - Paranaguá



## “Puente de la Amistad”, between Brazil and Paraguay



# Planning – Stage I

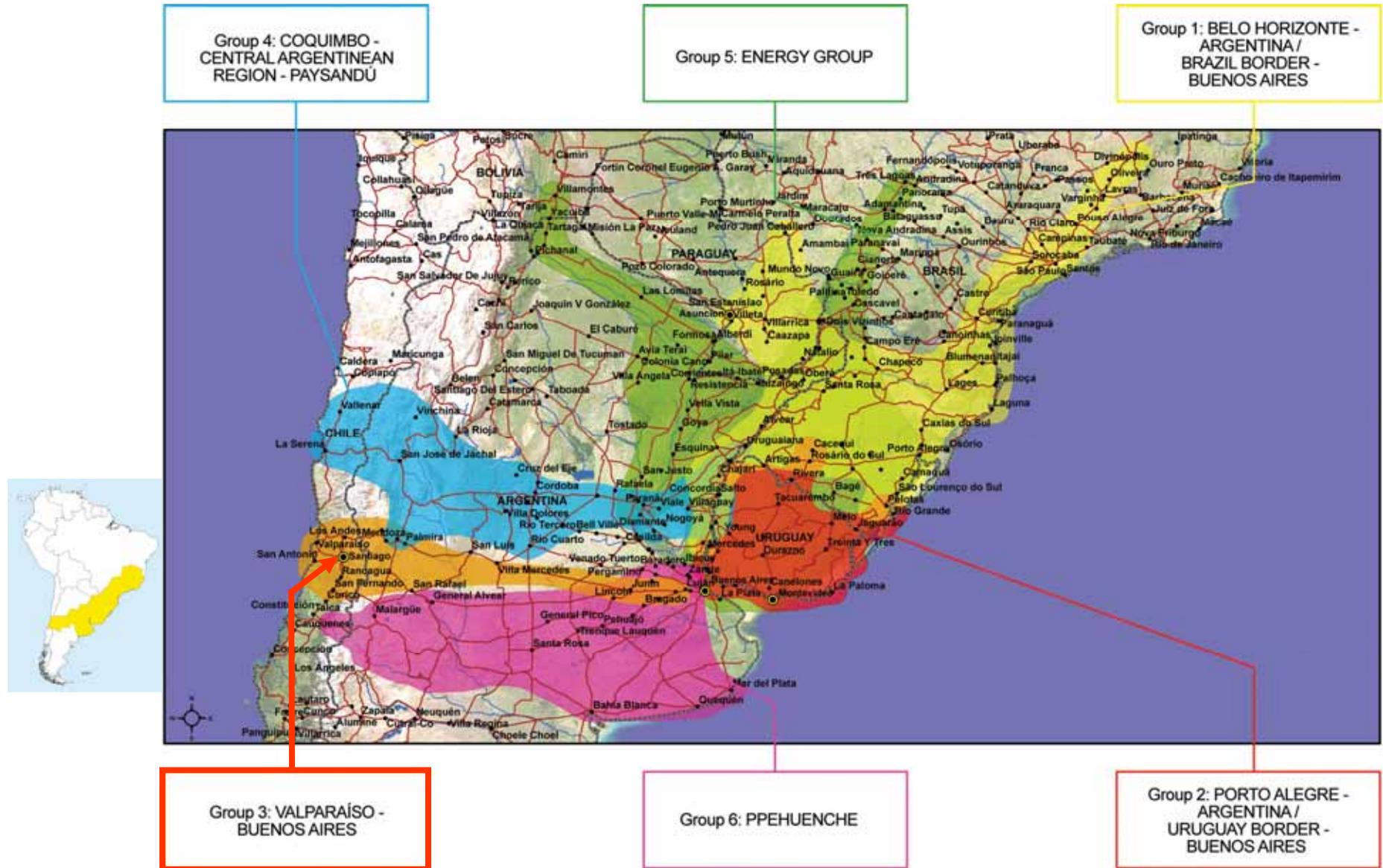
## MERCOSUR - Chile Hub

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



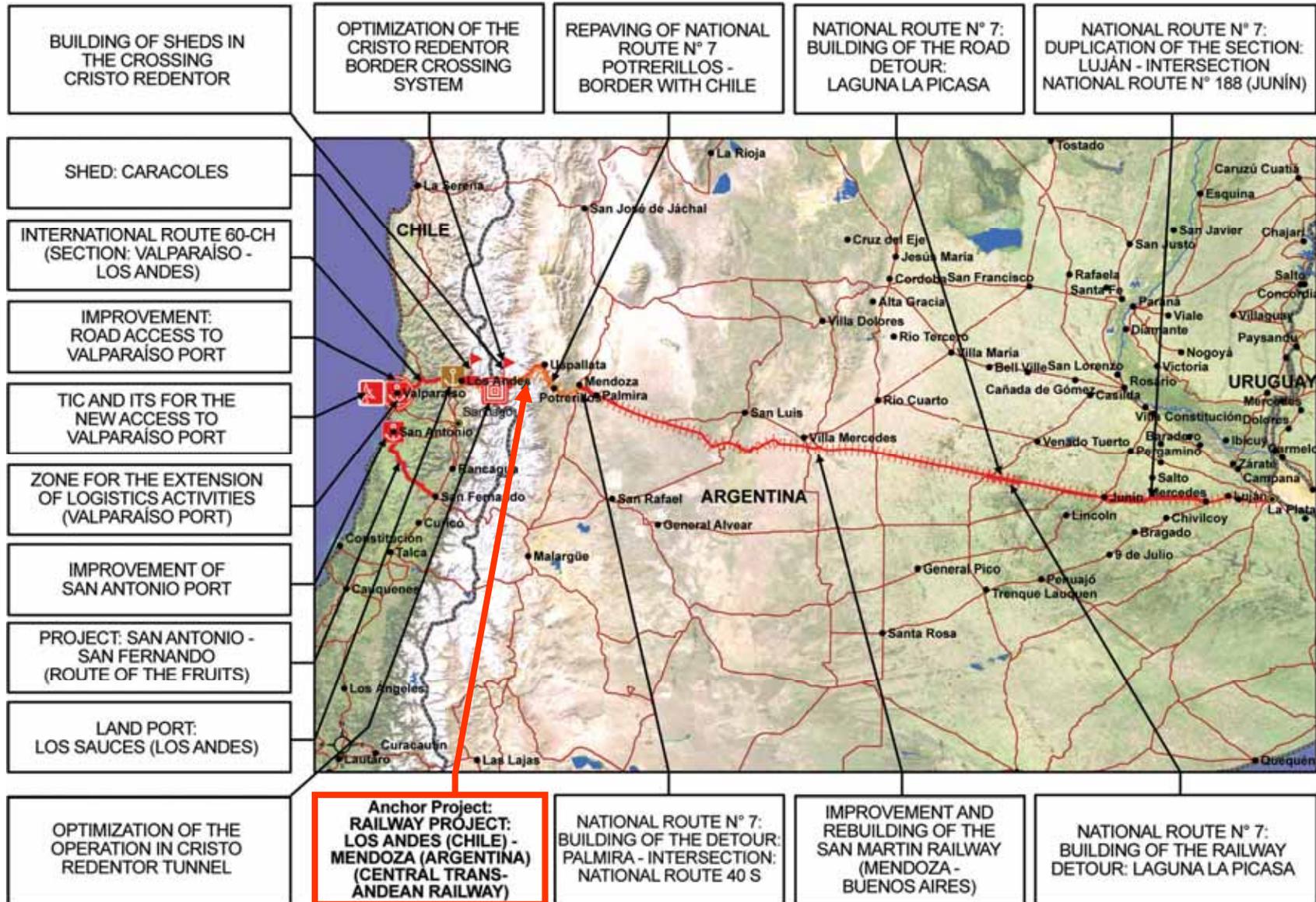
# Planning – Stage I

## MERCOSUR - Chile Hub – Groups of Projects



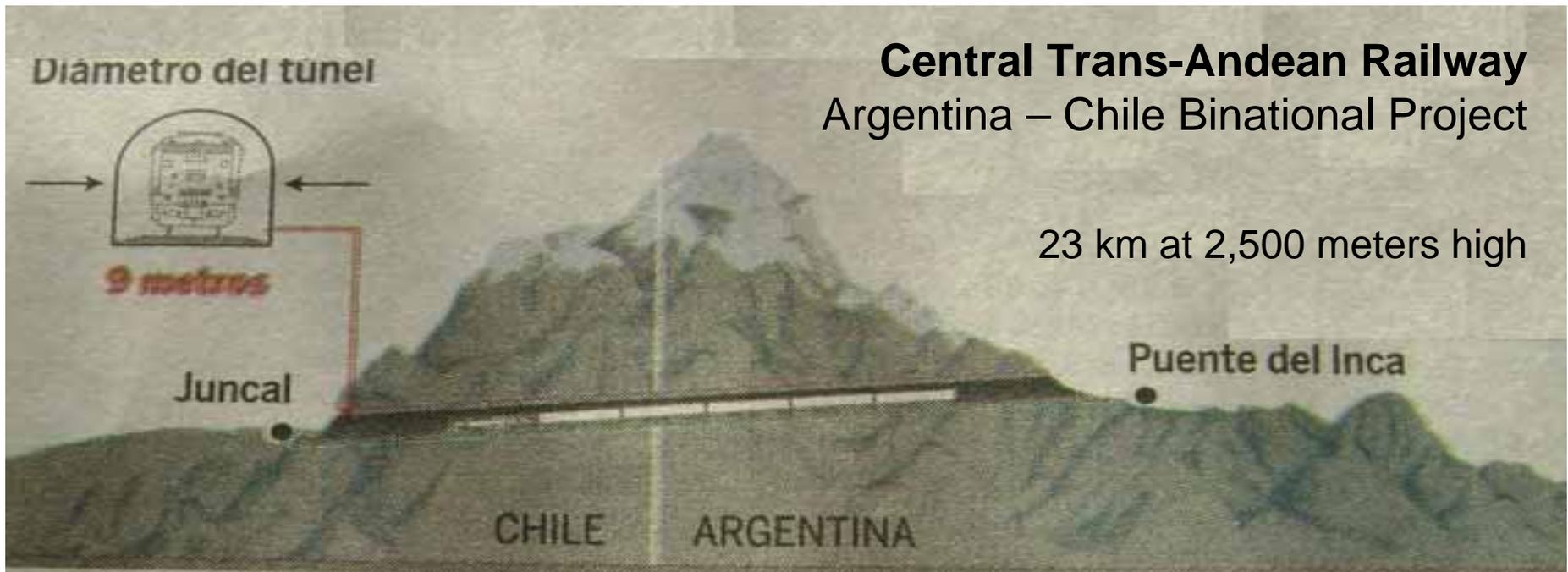
# Planning – Stage I

## MERCOSUR - Chile Hub – Group 3: Buenos Aires - Valparaíso



## Central Trans-Andean Railway Argentina – Chile Binational Project

23 km at 2,500 meters high



### TUNEL DE BAJA ALTURA PROYECTO SUPERADOR

#### General Data on the Project

- Construction of a Low-Height Tunnel
- Rehabilitation of Railway infrastructure
- Use of a Wide Trail from Buenos Aires to Valparaíso
- Electrification of the Branch-line
- Construction of Hydroelectric Dam



# Planning – Stage I

## Meeting of the GTEs of the EIDs

**THE PLANNING PROCESS, WHICH HAD STARTED IN 2007/2008,  
WAS COMPLETED**

### **Meeting GTE's**

- Hubs: MERCOSUR - Chile, Southern, Capricorn, Paraguay - Paraná Waterway  
March 16<sup>th</sup> to 19<sup>th</sup>. Santa Cruz de la Sierra, Bolivia
- Hubs: Amazon, Andean, Peru - Brazil - Bolivia and Central Interoceanic  
April 15<sup>th</sup> to 17<sup>th</sup>. Lima, Perú

### **Objective of the meetings :**

- i) exchange among the countries of each Hub regarding the evolution of the existing projects and the possible incorporation of new projects.
- ii) in the case of the MERCOSUR-Chile and Capricorn Hubs, a new application of the Analysis of the Groups of Projects was carried out as a consequence of the creation of a new Group of Projects in each of those Hubs and also of changes in the area of influence in other Groups.

# IIRSA Project Data Base

INICIATIVA PARA LA INTEGRACION DE LA INFRAESTRUCTURA REGIONAL SURAMERICANA (IIRSA)



Imprimir

Español English Portugués Salir

BASE DE DATOS DE PROYECTOS

SELECCIONE CRITERIO/S DE BUSQUEDA (Para marcar más de una opción en cada criterio presione CONTROL+Click)

EJE	ANDINO DE CAPRICORNIO DE LA HIDROVÍA PARAGUAY-PARANÁ	PROYECTO ANCLA	SELECCIONE
GRUPO	G01: G1 - ACCESO A LA HIDROVÍA DEL PUTUMAYO G01: G1 - ANTOFAGASTA - PASO DE JAMA - JUJUY - RESISTENCIA - G01: G1 - BELO HORIZONTE - FRONTERA ARGENTINA / BRASIL - BUEN	PROYECTO AIC	SELECCIONE
PAIS	ARGENTINA BOLIVIA BRASIL	INVERSION TOTAL (en US\$)	0 - 500.000 500.001 - 1.000.000 1.000.001 - 10.000.000
AMBITO	SELECCIONE	FUENTE DE FINANCIAMIENTO	A DEFINIR BANCOS PRIVADOS BID
SECTOR	Comunicaciones Energía	TIPO DE FINANCIAMIENTO	Privado Público Público/Privado
SUBSECTOR	Aéreo Armonización Regulatoria Energética Carretero	ETAPA DEL PROYECTO	PERFIL PRE-EJECUCION EJECUCION
TIPO DE OBRA	Adecuación de aeropuertos Adecuación de interconexiones energéticas Adecuación de puertos existentes fluviales	CUENTA CON ESTUDIOS COMPLETOS	SELECCIONE
		PALABRA CLAVE DEL PROYECTO	
		CODIGO	

Reportes Proyectos Limpiar

RESULTADO DE LA BUSQUEDA 510

[Inicio](#) [IIRSA](#) [Adobe Reader](#)

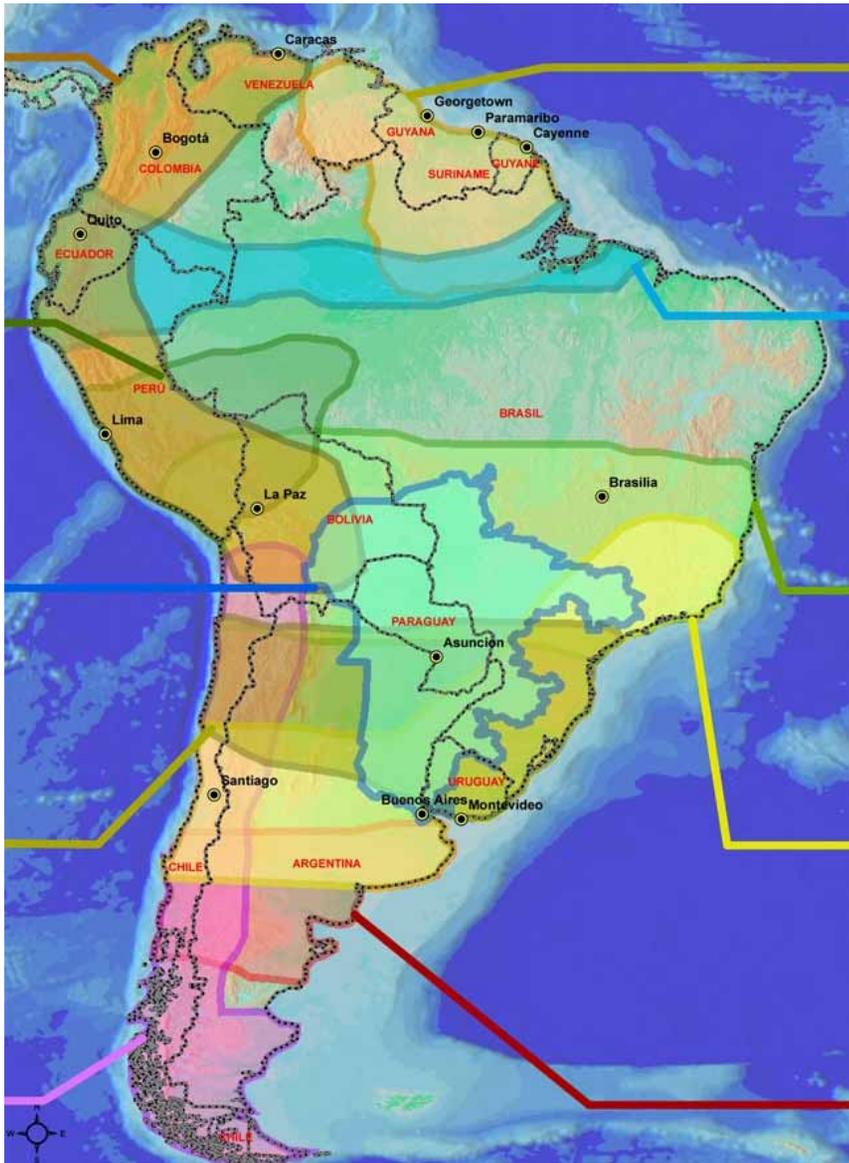
©2009 IIRSA

## THE TECHNICAL AND INFORMATICS TOOL OF THE DATA BASE WAS IMPROVED.

Online data base available at:  
<http://www.iirsa.org/proyectos>  
that contains:

- Cards with information about the 510 projects in the IIRSA Portfolio, updated by the countries.
- Possibility of performing combined searches of projects taking as a base different consultation criteria.
- Online reports for analysis and consultation.
- Self-help icons with concepts and definitions.

# IIRSA Project Portfolio



**47**

**Groups  
of Projects**

**510**

**Projects**

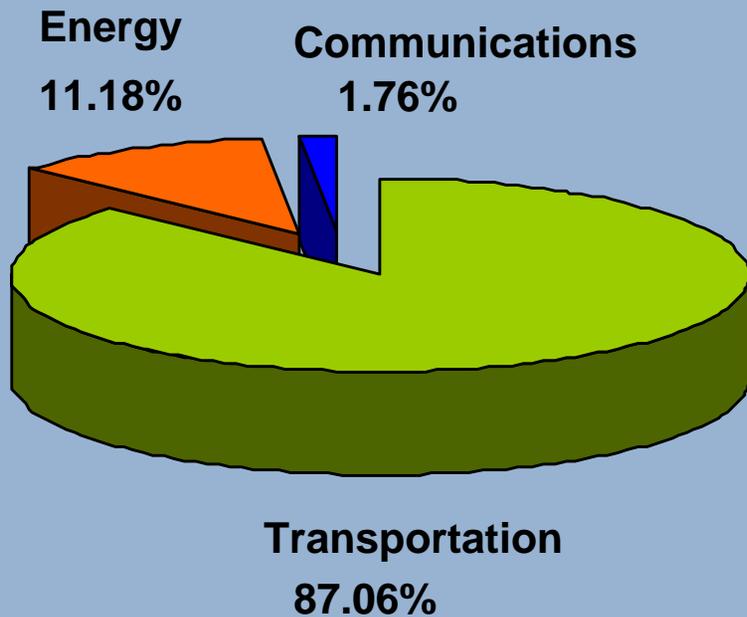
**74.500**

**Estimated investment  
(in US\$ billions)**

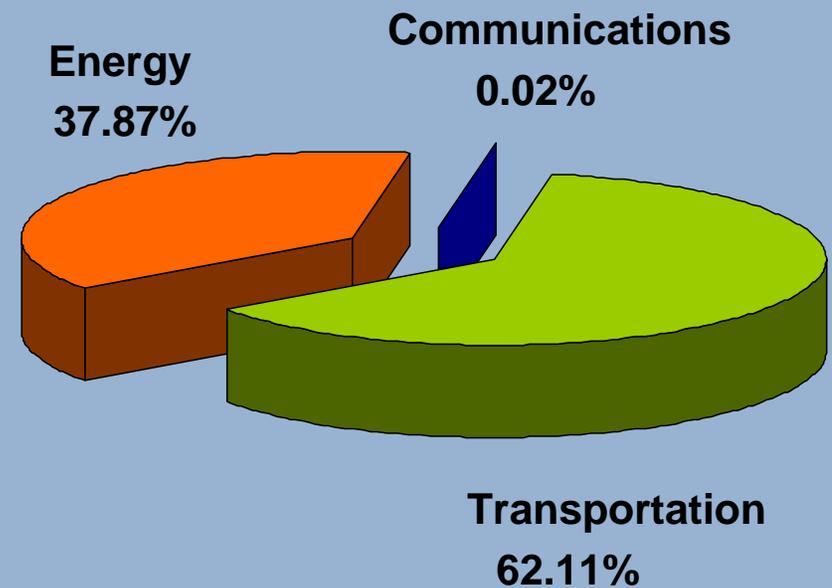
# IIRSA Project Portfolio

Per sector

**% N° of Projects**



**% Investment Value**



# IIRSA Project Portfolio

## Progress

Almost the 74% of the Portfolio, which has 510 projects, presents tangible progress

**10%**

**Completed  
Projects**

**52**

**US\$ 6.179  
billions**

**36%**

**Projects  
under  
Execution**

**183**

**US\$ 37.370  
billions**

**28%**

**Projects  
being  
prepared**

**143**

**US\$ 24.595  
billions**

# IIRSA Project Portfolio

## Funding

**The 510 projects in the IIRSA Portfolio have public, public/private and private resources.**

<b>TOTAL</b>	<b>510</b>	<b>US\$ 74.542 billions</b>
<b>Treasury</b>	<b>396</b>	<b>US\$ 36.759 billions</b>
<b>Public/Private</b>	<b>62</b>	<b>US\$ 23.402 billions</b>
<b>Private</b>	<b>52</b>	<b>US\$ 14.381 billions</b>

**The CCT institutions (IDB, CAF and FONPLATA) provide approximately the 24% (US\$ 10.5605 billions) of the total investment of the completed projects or the ones being performed.**

# IIRSA Project Portfolio

## Progress per Hub

### MERCOSUR - Chile Hub



### IIRSA's Project Portfolio 2009 per Execution Stage

88% of the 105 projects in the MERCOSUR-Chile Hub show significant progress in project life cycle terms:

Stages	Number of Projects		Estimated Investment	
	N°	%	US\$ million	%
Profiling	13	12.4	790.0	2.7
Pre-execution	28	26.7	13,350.3	45.4
Execution	54	51.4	11,835.4	40.3
Concluded	10	9.5	3,423.3	11.6
<b>TOTAL</b>	<b>105</b>	<b>100.0</b>	<b>29,399.0</b>	<b>100.0</b>

For the Groups of Projects a graphic analysis is presented, based on the number of projects being performed in each of the Groups that make up the Hub.

- N ° of Projects in the Group > 70%
- N ° of Projects in the Group between the 40% and the 70%
- N ° of Projects in the Group < 40%

- **Significant progress**
- **Moderate or expected progress**
- **With little or no progress**

Regardless the progress of the projects, if the anchor project is being performed, the situation of the Group of Projects is considered to be under **Moderate progress**.

## Amazon Hub



## IIRSA's Project Portfolio 2009 per Execution Stage

63% of the 57 projects in the Amazon Hub show significant progress in project life cycle terms:

Stages	Number of Projects		Estimated Investment	
	Nº	%	US\$ million	%
Profiling	21	36.9	404.1	7.7
Pre-execution	10	17.5	241.0	4.6
Execution	24	42.1	4,089.7	77.4
Concluded	2	3.5	546.0	10.3
<b>TOTAL</b>	<b>57</b>	<b>100.0</b>	<b>5,280.8</b>	<b>100.0</b>

## Guianese Shield Hub



## IIRSA's Project Portfolio 2009 per Execution Stage

60% of the 25 projects in the Guianese Shield Hub show significant progress in project life cycle terms:

Stages	Number of Projects		Estimated Investment	
	Nº	%	US\$ million	%
Profiling	10	40.0	50.0	5.4
Pre-execution	1	4.0	0.0	0.0
Execution	5	20.0	840.4	90.7
Concluded	9	36.0	36.5	3.9
<b>TOTAL</b>	<b>25</b>	<b>100.0</b>	<b>926.9</b>	<b>100.0</b>

## Andean Hub



## IIRSA's Project Portfolio 2009 per Execution Stage

77% of the 65 projects in the Andean Hub show significant progress in project life cycle terms:

Stages	Number of Projects		Estimated Investment	
	Nº	%	US\$ million	%
Profiling	15	23.1	980.8	13.9
Pre-execution	9	13.8	796.7	11.3
Execution	31	47.7	3,828.1	54.3
Concluded	10	15.4	1,444.5	20.5
<b>TOTAL</b>	<b>65</b>	<b>100.0</b>	<b>7,050.1</b>	<b>100.0</b>

## Peru - Brazil - Bolivia Hub

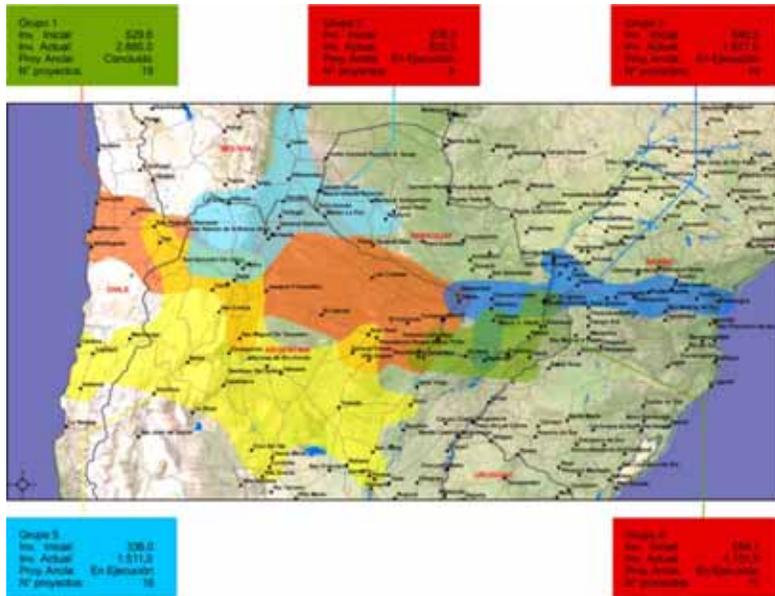


## IIRSA's Project Portfolio 2009 per Execution Stage

70% of the 23 projects in the Peru-Brazil-Bolivia Hub show significant progress in project life cycle terms:

Stages	Number of Projects		Estimated Investment	
	Nº	%	US\$ million	%
Profiling	7	30.4	1,202.0	9.3
Pre-execution	9	39.1	2,531.0	19.6
Execution	6	26.1	9,142.6	71.0
Concluded	1	4.4	12.0	0.1
<b>TOTAL</b>	<b>23</b>	<b>100.0</b>	<b>12,887.6</b>	<b>100.0</b>

## Capricorn Hub



## IIRSA's Project Portfolio 2009 per Execution Stage

88% of the 69 projects in the Capricorn Hub show significant progress in project life cycle terms:

Stages	Number of Projects		Estimated Investment	
	N°	%	US\$ million	%
Profiling	8	11.6	921.5	11.6
Pre-execution	34	49.3	3,483.4	43.8
Execution	21	30.4	3,200.5	40.3
Concluded	6	8.7	340.0	4.3
<b>TOTAL</b>	<b>69</b>	<b>100.0</b>	<b>7,945.4</b>	<b>100.0</b>

## Central Interoceanic Hub

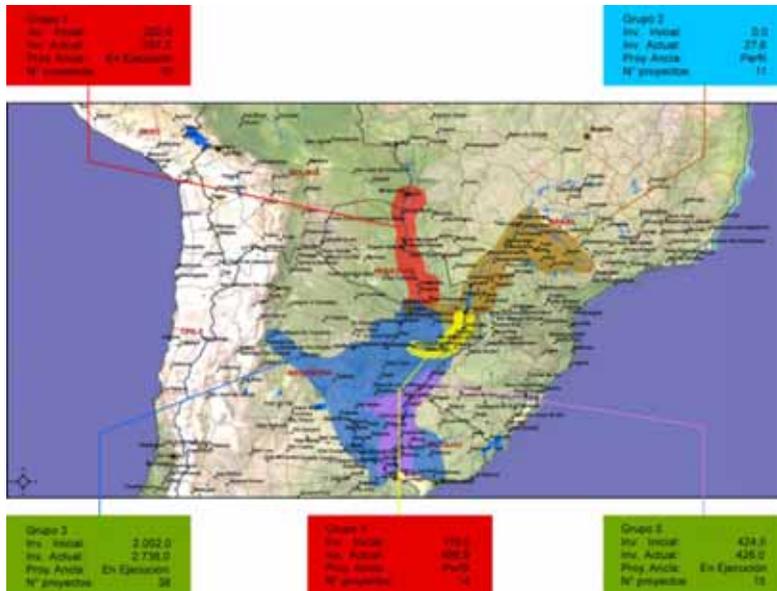


## IIRSA's Project Portfolio 2009 per Execution Stage

76% of the 54 projects in the Central Interoceanic Hub show significant progress in project life cycle terms:

Stages	Number of Projects		Estimated Investment	
	N°	%	US\$ million	%
Profiling	13	24.1	414.6	9.1
Pre-execution	18	33.3	2,022.9	44.2
Execution	15	27.8	1,948.6	42.6
Concluded	8	14.8	189.6	4.1
<b>TOTAL</b>	<b>54</b>	<b>100.0</b>	<b>4,575.7</b>	<b>100.0</b>

## Paraguay - Paraná Waterway Hub



## IIRSA's Project Portfolio 2009 per Execution Stage

58% of the 88 projects in the Paraguay-Parana Waterway Hub show significant progress in project life cycle terms:

Stages	Number of Projects		Estimated Investment	
	N°	%	US\$ million	%
Profiling	37	42.0	671.0	16.9
Pre-execution	27	30.7	1,590.6	40.0
Execution	22	25.0	1,622.3	40.8
Concluded	2	2.3	90.0	2.3
<b>TOTAL</b>	<b>88</b>	<b>100.0</b>	<b>3,973.9</b>	<b>100.0</b>

## Southern Hub



## IIRSA's Project Portfolio 2009 per Execution Stage

69% of the 26 projects in the Southern Hub show significant progress in project life cycle terms:

Stages	Number of Projects		Estimated Investment	
	N°	%	US\$ million	%
Profiling	8	30.8	1,004.5	39.7
Pre-execution	8	30.8	579.0	22.8
Execution	6	23.1	852.0	33.6
Concluded	4	15.3	97.5	3.9
<b>TOTAL</b>	<b>26</b>	<b>100.0</b>	<b>2,533.0</b>	<b>100.0</b>

# Implementation Agenda Based on Consensus - 2005-2010 (AIC, in Spanish)



- Recovering of Meta River Navigability
- Pasto-Mocoa Road
- Francisco de Orellana Port
- Paita-Tarapoto-Yurimaguas Road, Ports and Logistic Centers
- Lima-Tingo María-Pucallpa Road, Ports and Logistic Centers
- Bridge over the Acre River
- Paving of the Iñapari-Puerto Maldonado-Inambari, Inambari-Juliaca/Inambari-Cusco Leg
- Desaguadero Binational Center for Border Service
- Toledo-Pisiga Road
- Rehabilitation of the Iquique-Colchane Road
- Building of the Salvador Mazza-Yacuiba Binational Bridge
- Northeast Argentina Gas Pipeline
- International Route 60 CH (Valparaíso-Los Andes Leg)
- Los Andes-Mendoza Railway Project
- Remodeling of the Rio Branco-Montevideo-Colonia-Nueva Palmira Corridor

- Cúcuta-San Antonio del Táchira Border Crossing
- Improvements in Nieuw Nickerie-Paramaribo-Albina Leg and International Bridge over the Marowijne River
- Venezuela (Ciudad Guayana)-Guyana (Georgetown)-Suriname (Paramaribo) Highway (First Stage)
- Boa Vista-Bonfim-Lethem-Georgetown Highway (First Stage: Studies)
- Bridge over the Takutu River
- Rehabilitation of the El Sillar Leg
- Building of the Pailón-San José-Puerto Suárez Road
- Building of the Cañada Oruro-Villamontes-Tarija-Estación Abaroa Road (First Stage)
- São Paulo Railway Ring (North and South)
- Infante Rivarola-Cañada Oruro Border Crossing
- Presidente Franco-Porto Meira New Bridge and Border Center
- Duplication of the Palhoça-Osorio Leg (Rodovia Mercosur)
- Duplication of Route 14 between Paso de los Libres and Gualeguaychú
- Building of the Jaguarão-Rio Branco International Bridge
- Exports through Postal Services for SMEs
- Implementation of a Roaming Agreement in South America



## First project completed in the Implementation Agenda Based on Consensus

The bridge over the Acre river,  
which links Brazil and Peru,  
was built by Brazil and inaugurated  
by the Presidents of the two countries.





## Second project completed in the Implementation Agenda Based on Consensus

The bridge over Takutu river, in the Brazil – Guiana border



# Monitoring and Information of the AIC

## SIGE

### Special Monitoring and Result-Based Management System


**Agenda de Implementación Consensuada 2005 - 2010**

**I.I.R.S.A**
*Vanina Messere*

**Proyecto: Duplicación del Tramo Palhoça-Osorio (Rodovia Mercosur)**

**Objetivo:**

Melhorar o fluxo rodoviário no Corredor do Mercosul e reduzir o número de acidentes na rodovia.

O Projeto, além de promover a ampliação da capacidade através da duplicação do trecho, irá restaurar a pista existente e incorporar diversos dispositivos, objetivando aumentar significativamente a segurança viária, com destaque para as medidas necessárias ao ordenamento do tráfego local (veículos e pedestres), buscando minimizar ou mesmo eliminar os conflitos hoje existentes com o tráfego rodoviário de longa distância.

**Solución Propuesta:**

Duplicação e restauração da pista existente (BR-101/SC/RS) numa extensão de 348 Km, sendo 99,5 km no Estado do Rio Grande do Sul e 248,5 km no Estado de Santa Catarina, e execução de três obras de arte especiais de grande vulto (túnel para transposição no Morro do Formigão, ponte para travessia da Lagoa Imaruí e túnel ou viadutos no Morro dos Cavalos). O investimento será realizado com recursos público-privados e operação por concessão.

[Mapa de Ubicación](#) [Beneficios Económicos y Socioambientales](#)

**Situación al 17/4/2007:**

O projeto está inserido PAC - Programa de Aceleração do Crescimento (2007-2010) e no rol do PPI - Projeto Piloto de Investimentos, negociado com o FMI, o que deverá garantir espaço fiscal para desembolsos. Financiamento no valor de US\$ 100 milhões foi acertado com o BID condicionado ao PDL - Programa por Resultados, com dois desembolsos (20% antecipado e 80% quando a rodovia estiver concluída. Caberá ao setor privado a cifra de US\$ 82 milhões para a construção de três obras-de-arte especiais no Estado de Santa Catarina (túnel de transposição do Morro dos Cavalos; túnel de transposição do Morro do Formigão; e transposição da Lagoa do Imaruí). O empreendimento está dividido em duas fases: a primeira diz respeito à duplicação e à restauração da rodovia, cujas obras estão em andamento, e a segunda, às três mencionadas obras-de-arte especiais. No Estado do Rio Grande do Sul são 4 lotes de implantação e pavimentação e mais 3 de obras-de-arte, enquanto no Estado de Santa Catarina são 9 lotes de implantação e pavimentação e 5 de obras-de-arte. As desapropriações estão em andamento. A COFIEIX (Comissão de Financiamentos Externos do Ministério da Fazenda) aprovou o financiamento das obras de duplicação do segmento Florianópolis/Osório. Ficou também acordada uma nova modalidade de financiamento denominada Performance Driven Loans (PDL), onde os desembolsos ocorrem em



**Equipo de Gestión**  
[pulse aqui](#)

**Órganos Ejecutores**

- Departamento Nacional de Infraestructura de Transporte (DNIT) - Brasil

**Eje de Integración y Desarrollo**  
MERCOSUR-Chile

**Grupo: 1** - BELO HORIZONTE - FRONTERA ARGENTINA BRASIL - BUENOS AIRES

**Conclusión Prevista:**  
junho de 2009

**Modalidad:**  
Pública/Privada

**Inversión Estimada**  
(MUS\$)

Quality and  
in time  
information

Decision-  
oriented  
monitoring

Communication