INITIATIVE FOR THE INTEGRATION OF THE REGIONAL SOUTH AMERICAN INFRASTRUCTURE - IIRSA



ANNEX 7 Results of the GTEs of the Andean Hub and the Paraguay-Paraná Waterway Hub

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REPUBLIC OF BOLIVIA MINISTRY OF PUBLIC WORKS, SERVICES AND HOUSING



I.I.R.S.A

INITIATIVE FOR THE INTEGRATION OF THE REGIONAL SOUTH AMERICAN INFRASTRUCTURE



CONTENT

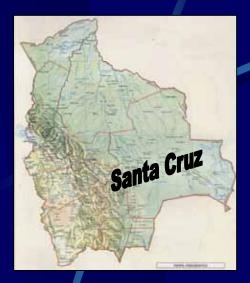


- 1 Report on the IIRSA meeting: Andean Hub.
- Report on the Paraguay Paraná Waterway Hub (HPP, in Spanish).



Report on the IIRSA meeting: Andean Hub





On August 22nd and 23rd, 2007, the meeting of the Technical Executive Group (GTE, in Spanish) of the Andean Hub was held in the city of Santa Cruz de la Sierra (Bolivia). The updated Business Vision (VN, in Spanish) of the Hub was presented and the works of the groups were analyzed.

The Technical Executive Groups (GTEs) helped the countries involved in the Andean Hub to extend their common knowledge of each group of projects contribution, through physical integration, to the sustainable development of the Hub

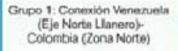
As regards the grouping of projects, the most important change in the Andean Hub was the elimination of Group 9 (Connection: Lima – Arequipa – Tacna; Arequipa – Juliaca; Ilo – Desaguadero – La Paz). In other Hubs, projects remained the same.



Report on the IIRSA meeting: Andean Hub



Grouping of the Andean Hub (modified)

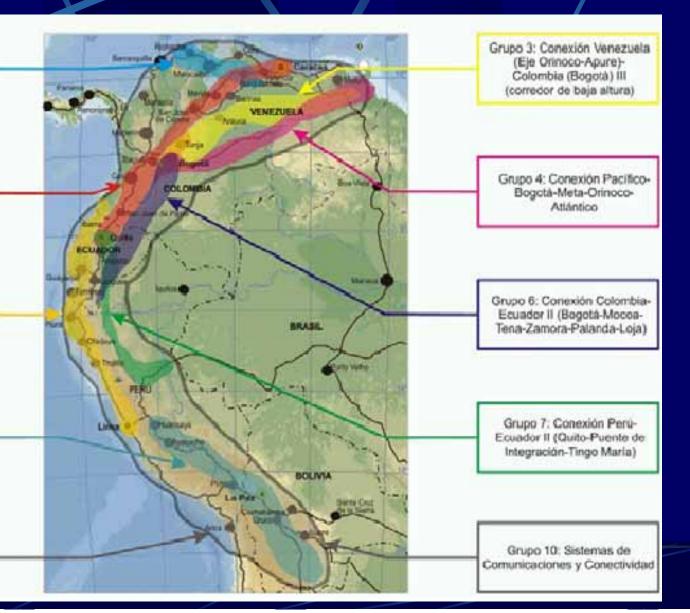


Grupo 2: Conexión Venezuela (Caracas)-Colombia (Bogotá)-Ecuador (Quito) (ruta actual)

Grupo 5: Conexión Colombia (Puerto Turnaco)-Ecuador (Puerto Esmeraldas-Guayaquil)-Perú (Ica)

Grupo 8: Conexión Perú-Bolivia (Huancayo-Ayacucho-Tarija-Bermejo)

> Grupo 9: Sistemas de Integración Energética













Competitive Advantages of Water Transportation (HPP)







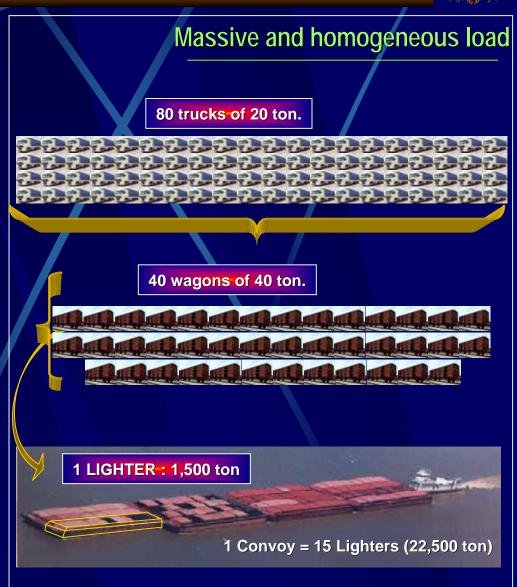
29 km



101 km



251 km





Importance of the HPP in Bolivian exports



TOTAL OF EXPORTS
BOLIVIA (2006)

4,000 MM US\$ (100%) **HIDROCARBONS**

2,000 MM US\$ (50%)

2,000 MM US\$ (50%) **MINING**

800 MM US\$ (40%)



Non-traditional Products

1,200 MM US\$ (60%) 240 MM US\$ (20%)

1,5 MM ton (2006) HPP

> 960 MM US\$ (80%)



Source: CADEX, 2007











Exports growth through the HPP



A. Sustained growth of exports

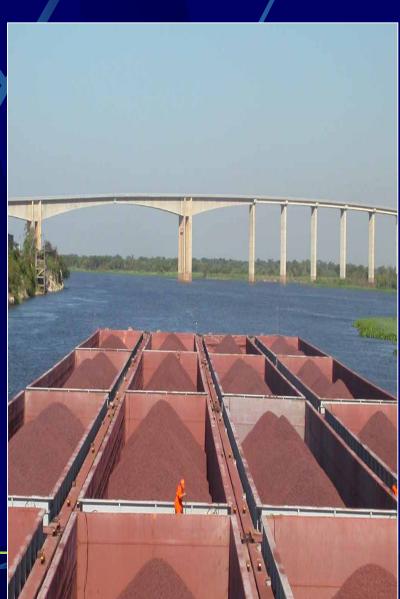
YEAR	EXPORTS VOLUME
	TAMENGO CANAL (TON)
1997	361,000
1999	270,180
2000	753,638
2002	900,892
2004	1,015,608
2005	1,302,000
2006	1,500,000

Source: CADEX, 2007









B. Mineral products of Mutún →JSB

10,0 MM ton/year



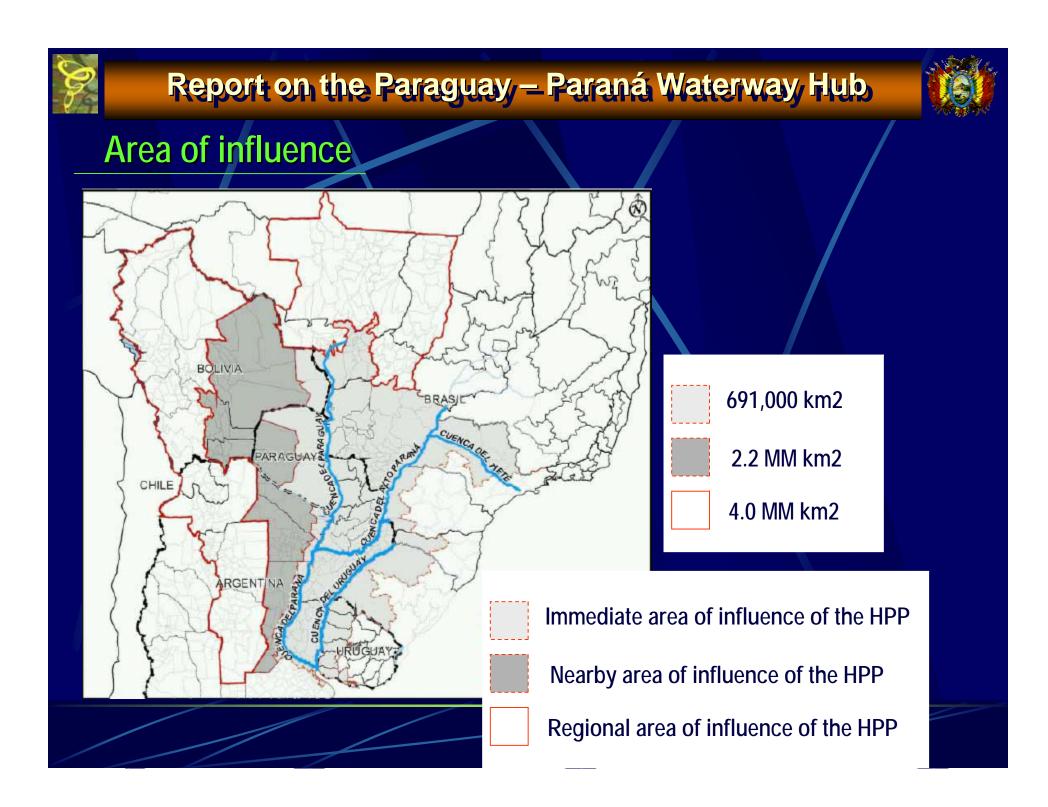


On August 21st and 22nd, 2007, the meeting of the Technical Executive Group (GTE, in Spanish) of the Paraguay – Paraná Waterway Hub was held in the city of Santa Cruz de la Sierra (Bolivia), with the purpose of starting the indicative territorial planning process of the IIRSA for the Hub.

It was completed the 1st Stage of the Planning process, in which the following projects were identified: transportation, energy and communication. Also, the Groups of Projects for each Hub were set with their respective Strategic Function and Anchor Project.

River transportation will increase in the area of influence of the Hub as long as the projects that allow the continuous development of the river ways in the HPP (dredging of critical crossings, etc.) are completed.









The HPP is likely to become the North – South articulating Hub of the transverse Hubs (Central Inter-oceanic; Capricorn and MERCOSUR – Chile). The transfer nodes must be adapted to railways, roads and ports.

Central Inter-oceanic Hub



Capricorn Hub

MERCOSUR – Chile Hub



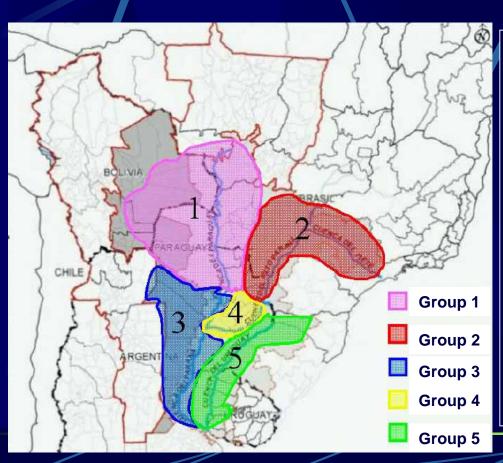






Territorial division of the HPP Hub

Five (5) groups of projects were set in relation to the basins of the following rivers: Uruguay, Tieté, Paraná and Paraguay. *Total of projects: 97.*



Group 1:

Paraguay river, Asunción – Corumbá.

Group 2:

Tieté – Paraná (Itaipú)

Group 3:

Paraguay – Paraná rivers, Asunción – Paraná Delta

Group 4:

Paraná river, Itaipú – Confluencia

Group 5:

Uruguay river





Group 1: Paraguay river, Asunción - Corumbá

Strategic Function:

- To improve the economic and social integration in the following regions: Paraguay, Bolivia and Brasil that share the basin.
- To strengthen and boost the integration of the pr
- To strengthen competitiveness of Mediterranear an efficient connection to the Atlantic.

Anchor Project:

 "Binational Project: Improvement of navigability in Paraguay river, Asunción – Apa".









NON-REFUNDABLE TECHNICAL COOPERATION FOR THE PREPARATION OF PROJECTS

During the last two years, new instruments were created for the support of the projects of the IIRSA Portfolio. The funds created allow to make nonrefundable technical cooperations for the preparation of projects.

Support to pre-investment through the fund: Pro – Infraestructura (CAF)

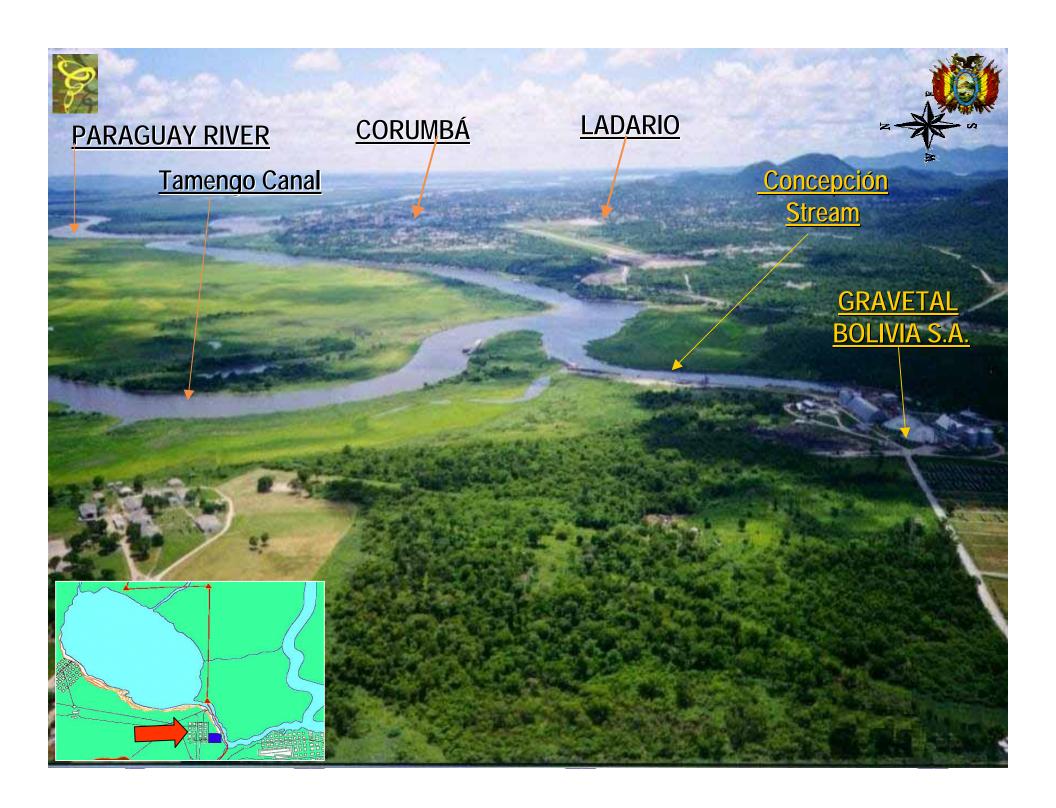
Nº	Approved and under preparation operations	Total investment (US\$, 000)
_	Pre-investment studies: Railway – Port Project: Motacucito – Mutún - Puerto Busch	1,300



Tamengo System



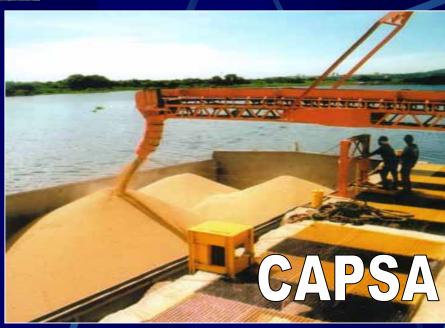






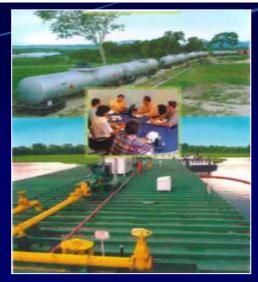
Port Services in the Tamengo Canal









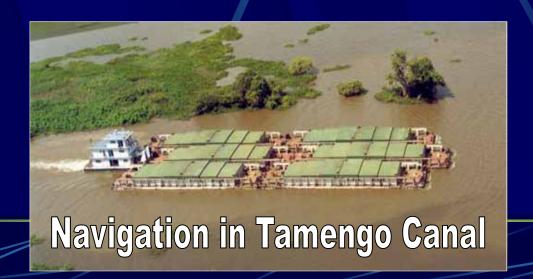








Sill with dredging works





Natural restriction in Tamengo Canal: Aquatic plants





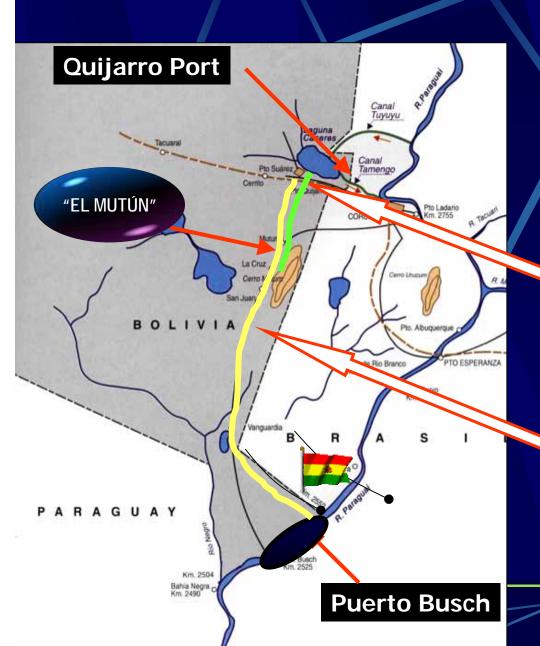








Group 1 Projects (Bolivia)



Paving: Puerto Suárez - Mutún

Railway-Port Project:

Motacucito – Mutún – Puerto Busch





Group 1 Projects (Bolivia)

No	Project	Total Investment (US\$ <i>millions)</i>		
1	Building of the railway-port project: Motacucito – Mutún – Puerto Busch	138,0		
2	Paving: Puerto Suárez – Mutún	18,8		
3	Dredging and cleaning: Tamengo Canal	N/A		
4	Development of the infrastructure of the future Bolivian Tax-Free Zone in Zárate (*)	N/A		
5	River Canal: Mutún – Puerto Busch	136,0		
(*). 7	(*). The final inclusion of the Project will be subject to the results of the bilateral			

(*): The final inclusion of the Project will be subject to the results of the bilateral discussions → Transfer proposal to Group of Projects N

3.