



SECRETARIA DE TRANSPORTES

A nighttime photograph of a cityscape. In the foreground, a multi-lane highway curves to the right, with long-exposure light trails from cars in shades of orange, yellow, and red. In the background, a large, dark mountain peak is visible against a twilight sky. The city lights and streetlights are scattered across the scene.

RI 
EM MOVIMENTO



Global Lab on Metropolitan Strategic Planning 2013

TRANSPORT ON RAILS: INVESTMENT PROJECTS AND MOBILITY IN RIO DE JANEIRO

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Superintendent
Urban Transportation Metropolitan Agency
Secretary of Transportation
State of Rio de Janeiro

Summary

- Rio de Janeiro – Panorama
- Organization of AMTU
- Olympic Games Masterplan
- (I) Mobility
- Investments and targets 2016

Rio de Janeiro State - Panorama



× Localization

Southeast (57% of GDP)

× Área

43.910 km² (0,5% do national territory)

× Population

15,4 Million

× GDP

US\$ 150 Billion (11 % of Brazil GDP)





Rio de Janeiro Metropolitan Region

20 municipalities

11,3 million - population

19 million trips/day

9 milion trips in public transportation

Fonte: PDTU 2003



AGENDA

- 2011 – Military World Games – Rock in Rio
- 2012 – Rio+20
- 2013 – FIFA Confederations Cup – Rock in Rio
- 2014 – FIFA World Football Cup
- 2015 – Rio 450 years
- 2016 – Olympic Games

Agenda



AMTU - Structure

Representing the Governor of the State - in this case the Secretary of State for Transport;

Representatives of the municipalities of RMRJ indicated by the mayors - in most cases - the Municipal Secretaries of Transportation;

Business representatives:

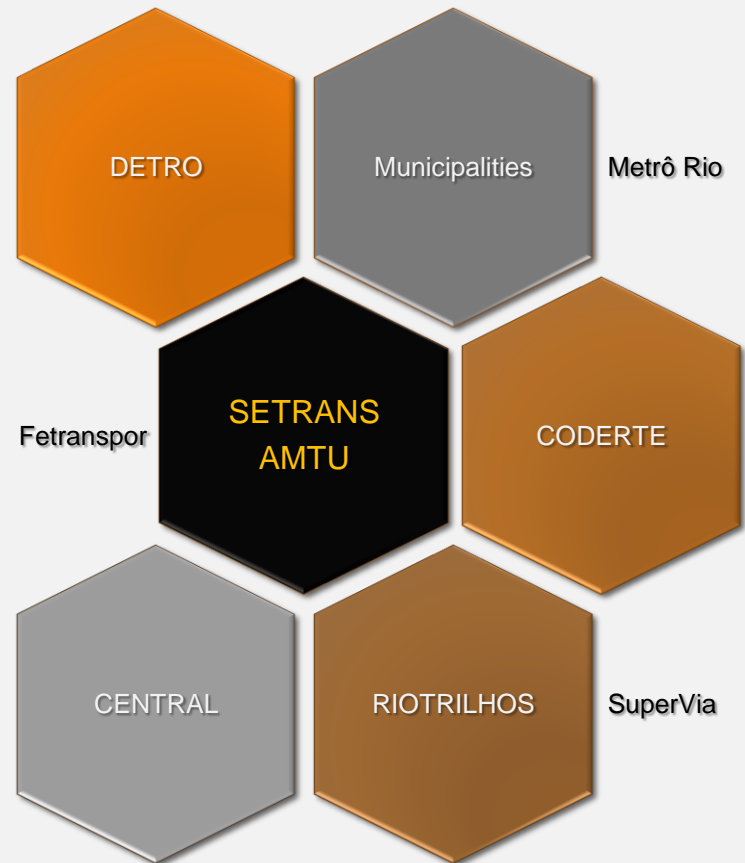
DER - Department of Highways of Rio de Janeiro Foundation

Detro - Road Transport Department of the State of Rio de Janeiro

CENTRAL - State Company for Engineering Logistics and Transport (Suburban Trains)

RIOTRLHOS - Rail Transportation Company of the State of Rio de Janeiro (Subway)

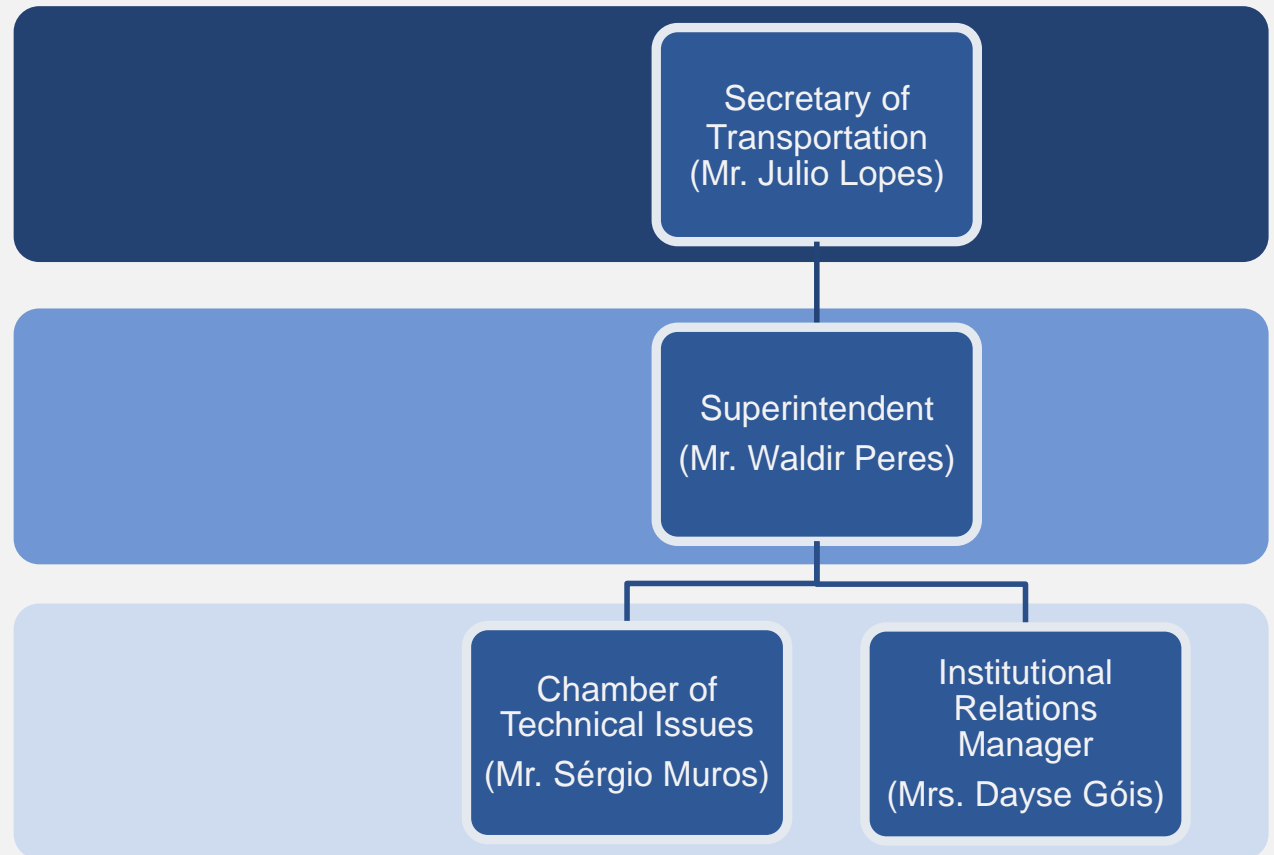
CODERTE - Terminals Development Company of the State of Rio de Janeiro





AMTU - Organogram

The AMTU has an Executive Secretariat - headed by board member of the State Department of Transportation.





AMTU – General Targets

Social: ensuring access to employment opportunities, education, health care, leisure and other purposes, economic, social and cultural rights;

Ecological: promoting the reduction of pollution, noise, visual, and improving the quality of life, urban and general;

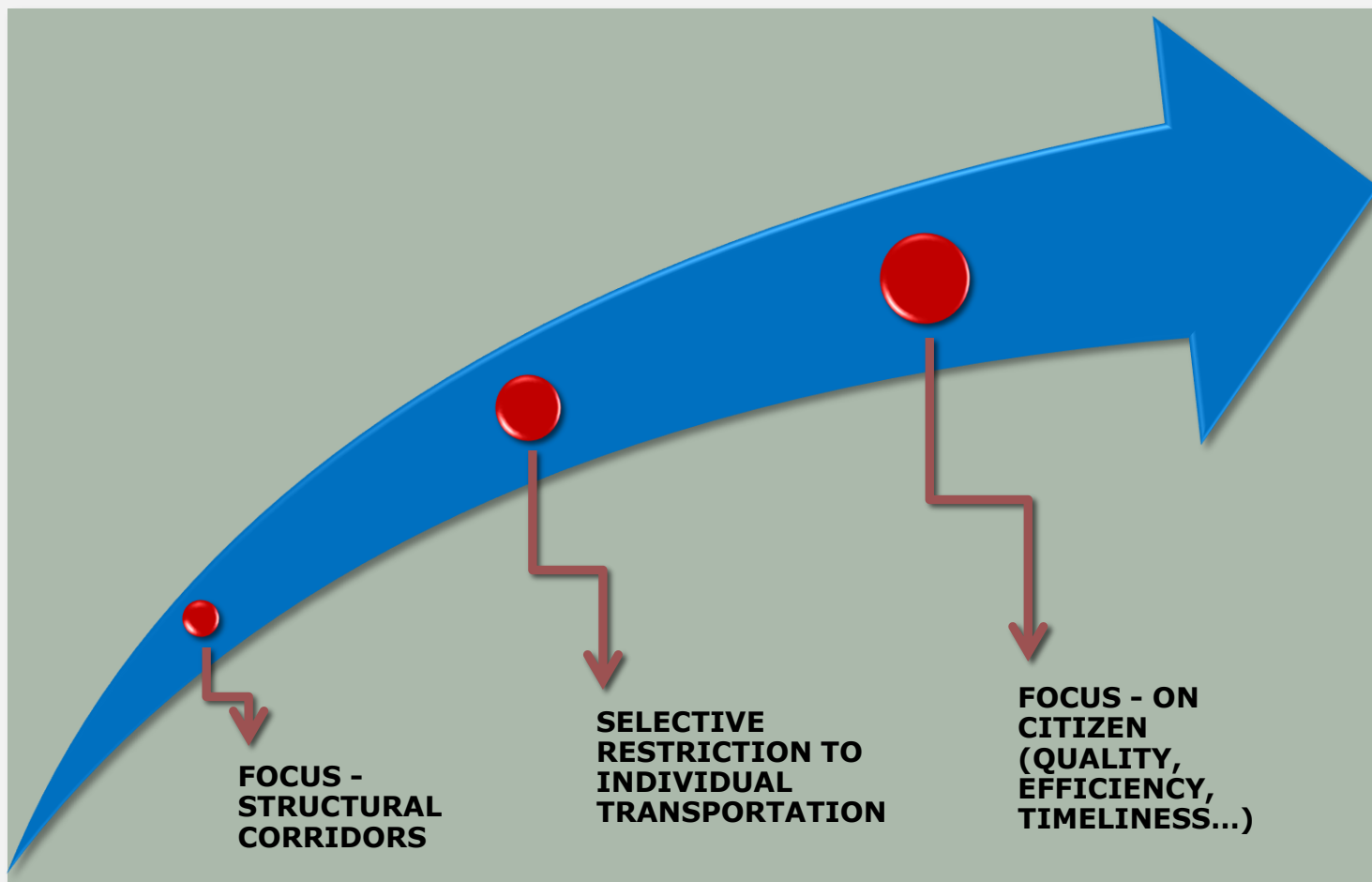
Urban: understanding transport as a means of inducing urban and regional development;

Economics: Understanding the transport as part of the process of production and distribution of goods and means of income redistribution;

Energy: seek sustainability by promoting the use of alternative energy sources.



Metropolitan Region - Transportation Strategy





Olympic Games Masterplan



High Performance Ring

Decisive Note:
The item was
Transport - Note 6
- to the 2016
Games.

In the dispute
before (in 2012)
the note was 3.2



Network transportation - 2016

mobiRio

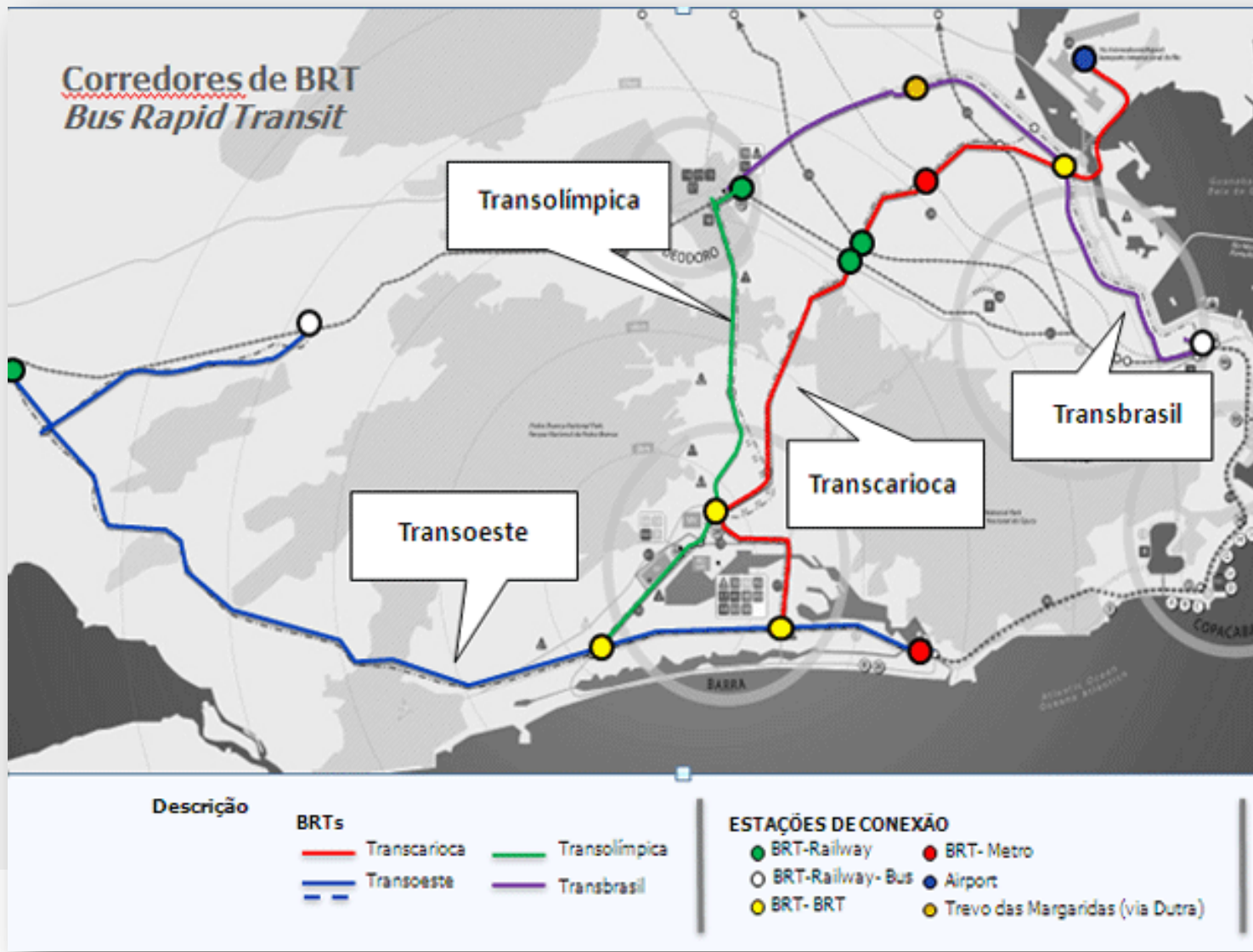
rede metropolitana de transporte público
esquemático - ano base 2016

More than 250 miles





2016 Transport Network - connections



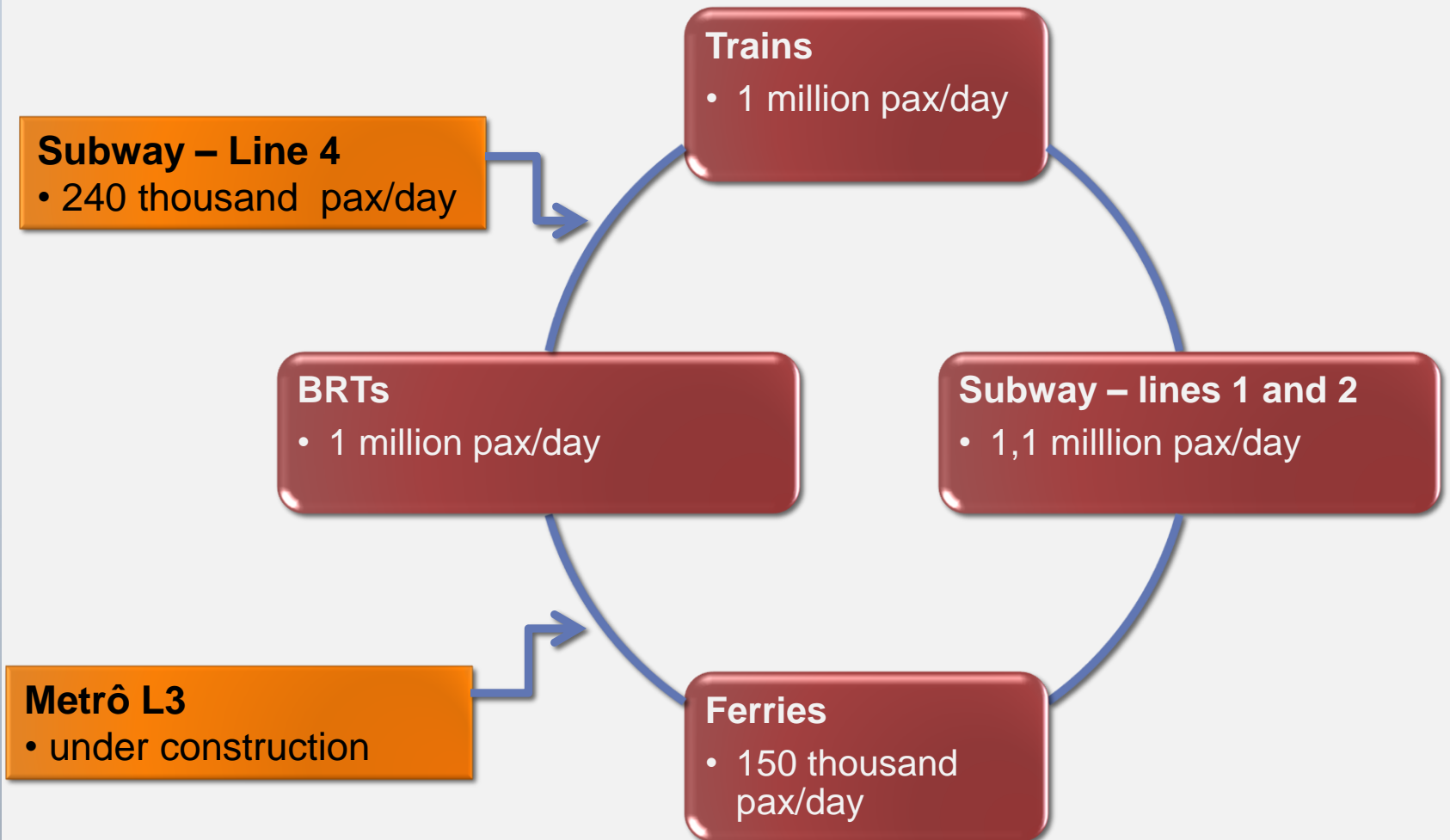


BRT System



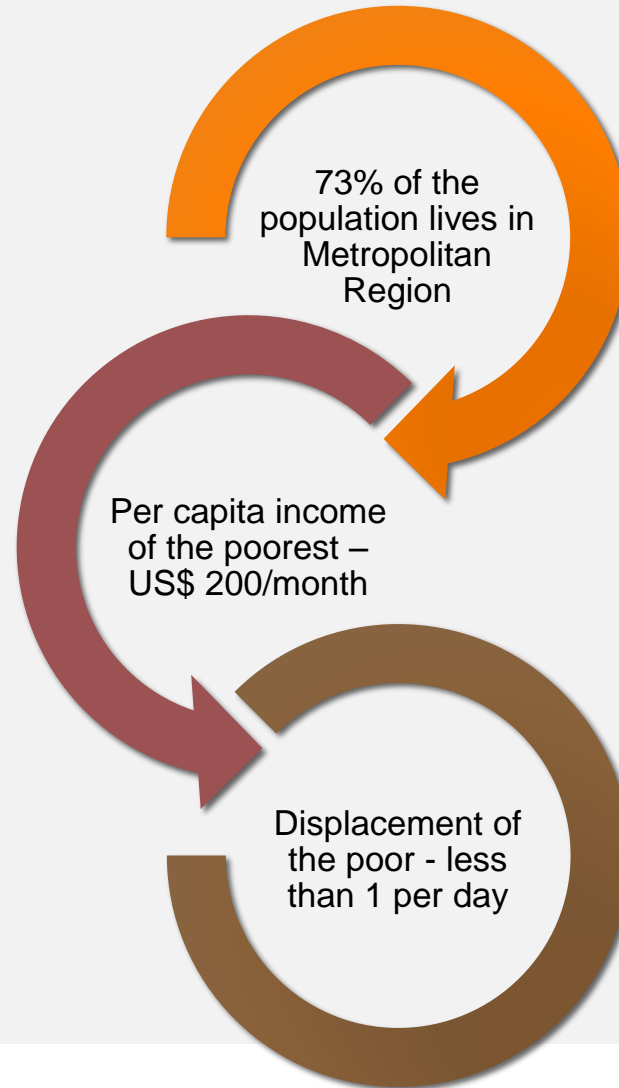


2016 - Targets





Rio de Janeiro – (i) Mobility (poor people)





Rio de Janeiro – (i) Mobility

(I)mobility

Slums



SOCIAL JUSTICE – Bilhete Único Project



Bilhete Único

Recognized by MIT -
Massachusetts Institute of
Technology as a best practice
in transport in the world.



Innovation

Alemão - Cable Car



System connects the top of the hills to the Bonsucesso train station, with 3.5 km and six stations.



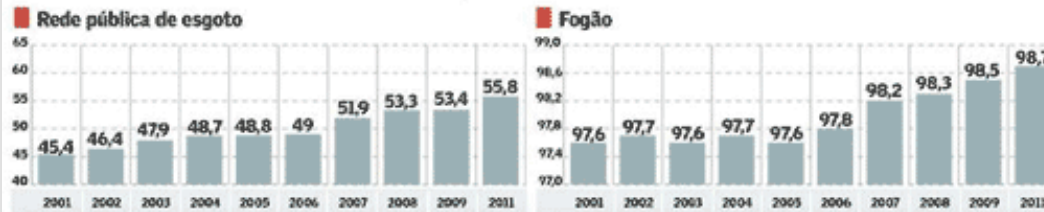
Over 4 million passengers since its opening



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Casa abastecida

Existência de bens de consumo duráveis e serviços básicos mostram realidades distintas - em % dos domicílios



51% do PIB é a participação do crédito na economia, o dobro de 2001

29% foi o crescimento da renda média real do trabalho desde 2004

22 milhões de domicílios têm computador com internet em casa

Fornecimento de água e luz mostram indicadores melhores, mas eletrodomésticos ainda têm mais presença



Fonte: IBGE, Diretoria de Pesquisas, Coordenação de Trabalho e Rendimento, Pesquisa Nacional por Amostra de Domicílios. Nota: Para acompanhar a evolução dos indicadores do período de 1992 a 2011, os resultados de 2004 a 2011 foram harmonizados para abranger a cobertura geográfica da PNAD até 2003.

Ano	GDP (U.S. \$ Trillion)	Position of Brazil in the World Economy
2000	1,09	10°
2001	1,18	11°
2002	1,32	13°
2003	1,56	13°
2004	1,77	13°
2005	2,15	10°
2006	2,37	10°
2007	2,56	10°
2008	3,03	8°
2009	3,14	8°
2010	3,68	7°
2011	4,14	6°

Vehicle fleet grows 119% in ten years in Brazil - Denatran Country ended 2010 with 64,817,000 registered vehicles.



Rio de Janeiro – (i) Mobility



64,817,974 - Brazil registered vehicles (2010)

10% annual growth of the fleet in the last four years

190.7 million inhabitants (2010 Census)

Average of one car for every 2.94 residents

The fleet of vehicles will reach 120 million by 2020



Rio de Janeiro – (i) Mobility

(I)mmobility

Traffic jam



Renegotiation of concession contracts

Investments

Trains – US\$ 1,2 Billion –

Odebrecht Transport

Subway – US\$ 600 million –

Invepar

Ferries – US\$ 200 million –

CCR

US\$ 7,5 Billion

Total os investments in
transportation until 2016





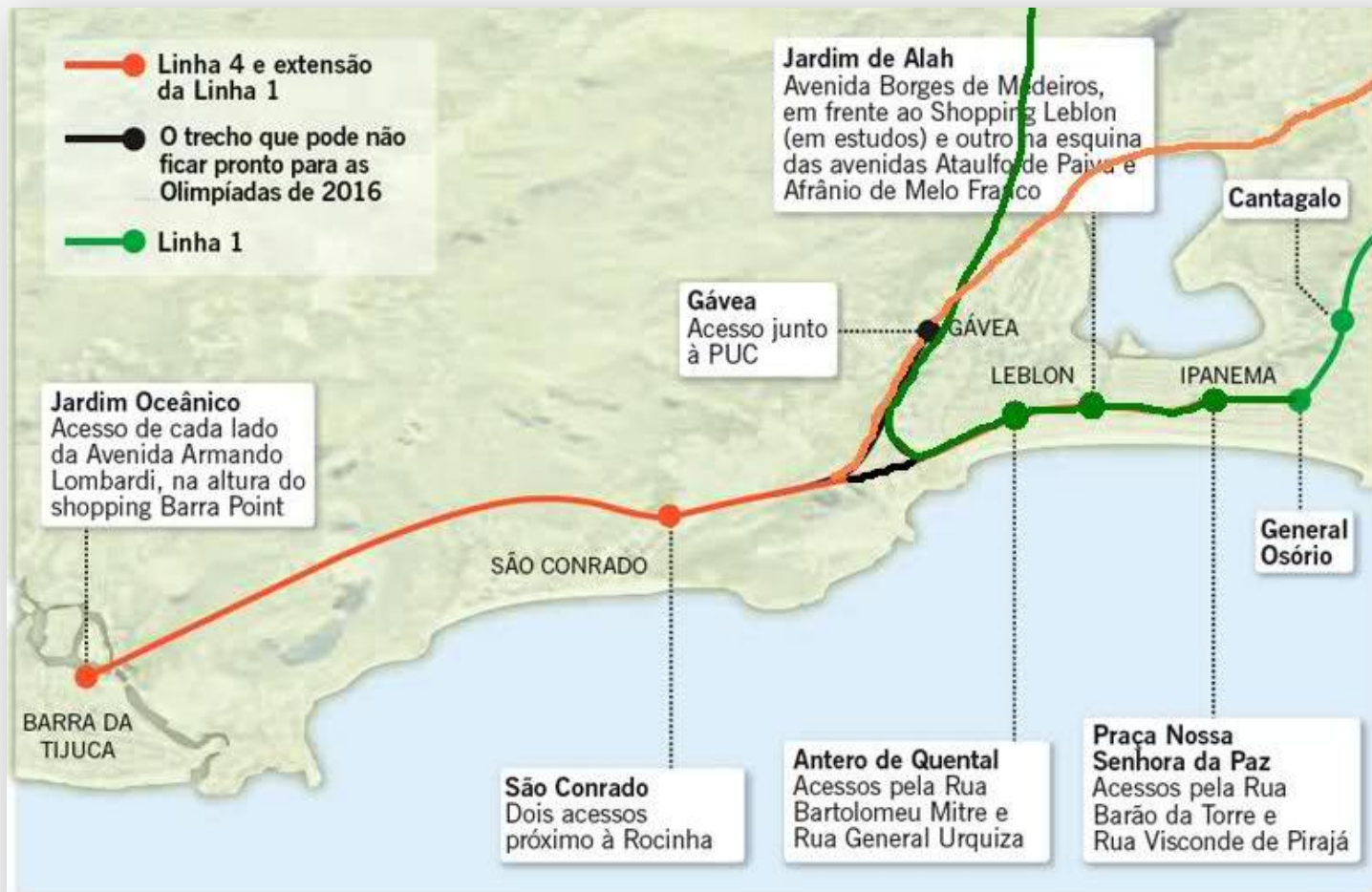
IMPROVEMENT IN MANAGEMENT SYSTEM

New Operational Control Centers Metro – Trains – Ferries



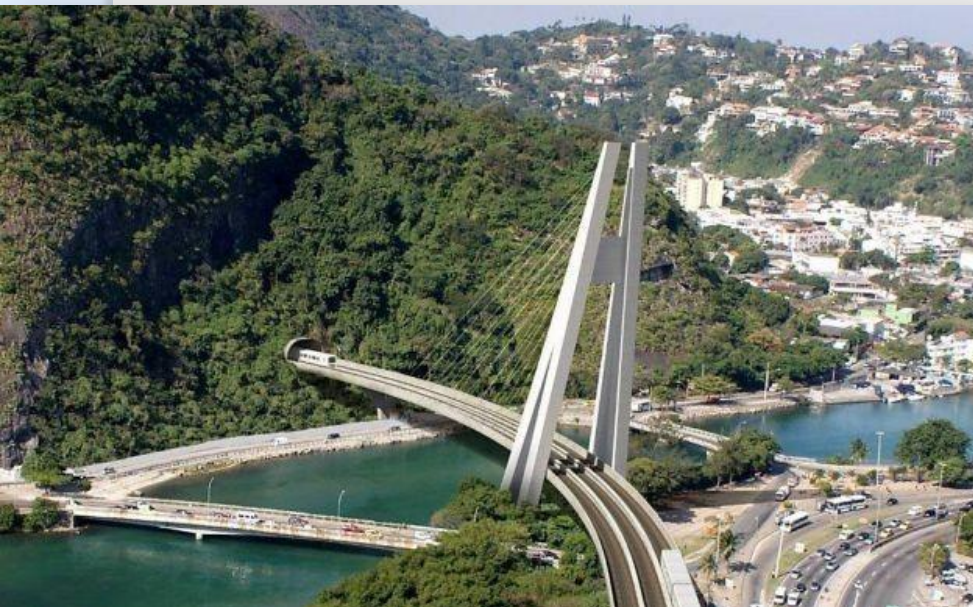


Subway Line 4 - IPANEMA-BARRA





Subway – Line 4



Stations – Line 4 – Ipanema, Leblon, Gávea...



Line 1 – next step - Uruguai Station





AUMENTO NA OFERTA DE TRANSPORTES

Trains



Purchase of 120 trains

Reform of 91 trains





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Trains





New work front

Olympic Stations - Only stations in São Cristóvão and Maracanã will be invested over U.S. \$ 100 million until 2016.

Barra da Tijuca Bridge - The design of cable-stayed bridge of Metro Line 4 (Ipanema - Barra da Tijuca) is the Spanish architect Santiago Calatrava.

New trains - New compositions for Line 4. In December 2015, with the opening of Line 4, arrive over 15 new compositions. In all, 66 trains operating across the subway system of the city more than doubling of 2007 fleet.



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Change-over 2007-2011

221.042.383 more trips

Metro	44.614.890	→	+ 32,9 %
Trains	36.623.120	→	+ 34,7 %
Ferries	9.988.057	→	+ 51,4 %
Buses	129.815.316	→	+ 16,9 %

* (Município Rio + intermunicipal RMRJ)



Porto Maravilha Project



Rio downtown - 2016 projection



Oportunidades

Demolition of the “Perimetral” viaduct line - According to the Urban Development Company of the Region of Port of Rio, the demolition of the “Perimetral” should cost about U.S. \$ 600 million. Other reformulations are planned, and the whole works to revitalize the waterfront will cost more than U.S. \$ 1,5 billion.



Port Area – 2016 Projection



Port Area - Trump Towers – 2016 projection





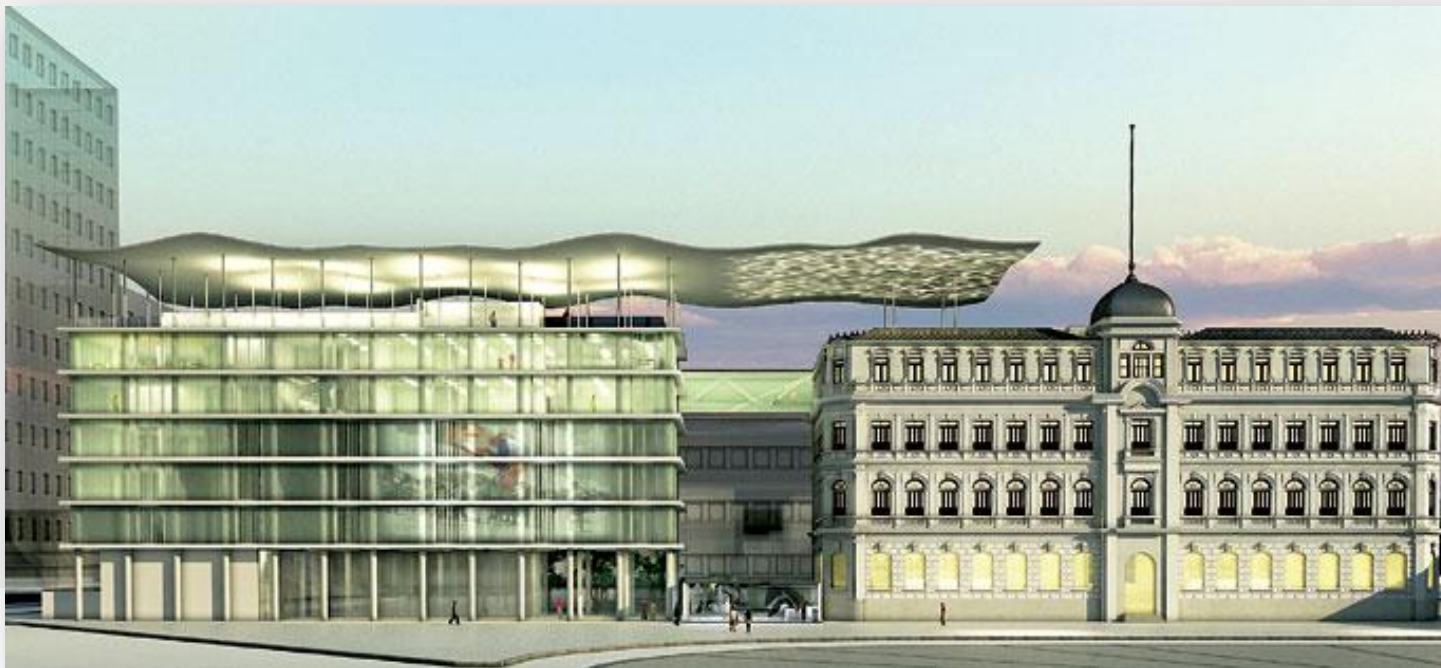
Port Area - Porto Atlântico – 2016 projection





Port Area - Museu de Arte do Rio - MAR

Recently opened





Port Area - Museu do Amanhã – 2016 Projection



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New challenges



Systems integration - COR Rio with CICC



Thank You!



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