



IBRD – Integrated Urban Water Management Study Tour

São Paulo – June 21, 2018







1. SABESP

- 2. Tietê river and the SPMR
- 3. Tietê Project Timeline
- 4. Progress of Sewage Treatment
- 5. Challenges to the success of the Program
- 6. Prospects for Stage IV







1. SABESP





State of São Paulo



State of São Paulo



248.219,63 km² Total population: 43.674.533 Urban population: 42.090.776 645 municipalities

Reference: Seade Foundation, 2017

Sao Paulo Metropolitan Region (SPMR) 39 municipalities Total population: 20.717.505 Urban population: 20.488.411

Reference: Seade Foundation, 2017







STATUS: Established in 1973 as a corporation (*Government of the State of São Paulo, private shareholders and municipalities*)

NET WORTH: R\$ 17,5 billion*

EMPLOYEES: 13.901



* Referent to 30/12/2017



...One Of The Largest Water And Sewage Providers In The World



COMPANY OVERVIEW

- Sabesp is one of the largest water and sewage service providers in the world, based on the number of Customers
- Provides water to 24.9 million people and sewage services to 21.6 million people
- Also sells wholesale treated water to 5 municipalities (3.0 million people)
- Serves the City of São Paulo and 367 out of 645 municipalities in the State
- Covers around 66% of State's urban population, including the wholesale

MAIN OPERATIONAL INDICATORS⁽¹⁾

Water	Sewage
8.9	7.3
99	89
95	83
	75
2,075.9	1,617.2
e Available mer units connected to e treatment	o the
Regional Metropo	Systems litan Region
1	8.9 99 95 2,075.9 e Available ner units connected t e treatment





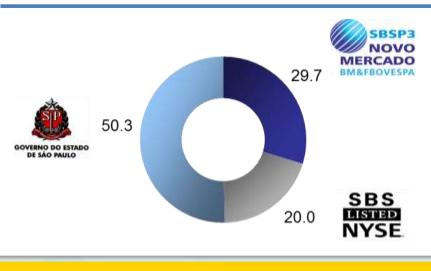
...With Strong Corporate Governance

We are a mixed capital company, majority-owned by the State of São Paulo, with significant private ownership

- State law requires the State of São Paulo to own at least 50% + 1 voting shares at all times
- Currently the Government of São Paulo has 50.3% share
- 100% common shares

(¹) December/2017

- Market Cap: R\$ 23.5 billion (as of December, 2017)
- Law nº 13.303/16 Government-Controlled Companies Law



OWNERSHIP STRUCTURE %⁽¹⁾





2. TIETÊ RIVER AND THE SPMR





Tietê River | Watersheds





Watershed: area drained by a river and its affluents

Fonte: www.rededasaguas.org.br



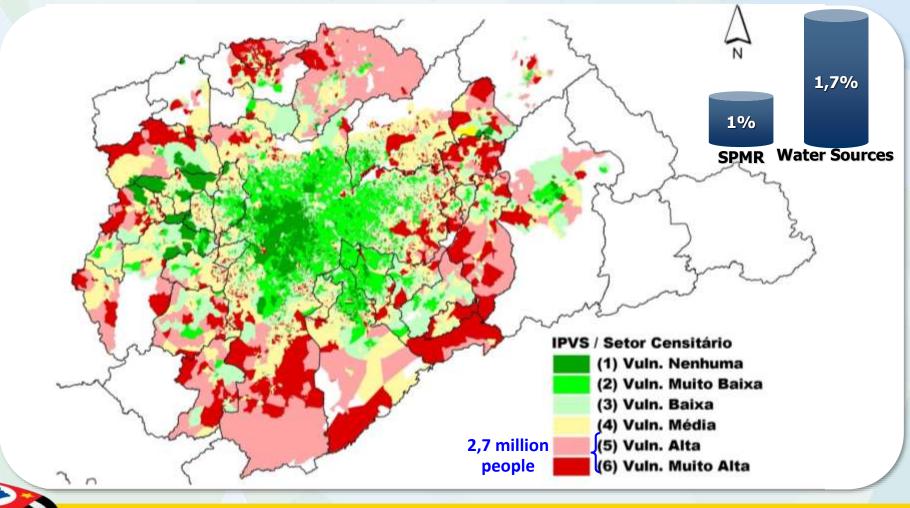
Macrometropole Paulista





Migration to peripheral areas and occupation of water sources - SPMR *SPMR* (peripheral population): +vulnerable, +growth and –sanitation

Annual population growth rates 2000-2010





São Paulo Metropolitan Region | Characteristics



"Formally Structured Regions"

- Consolidated infrastructure
- Lower population growth
- Higher per capita income
- Higher per capita water consumption

"Peripheral Regions"

- Poor infrastructure
- Difficulties to instal water and sanitation infrastructure
- Higher population growth
- Lower per capita income
- Lower per capita average consumption
- Occupation of areas of water sources







3. TIETÊ PROJECT

Stages I, II e III





Tietê Project | Timeline



Largest environmental sanitation program in Brazil







Tietê Project – Stages I and II

Focus: Consolidation of the Sewer Master Plan

- Main Treatment System: 5 STPs
- Interception System Pinheiros



Tietê Project | Stages I and II

1992 to 2008 Investiments: US\$ 1,6 billion

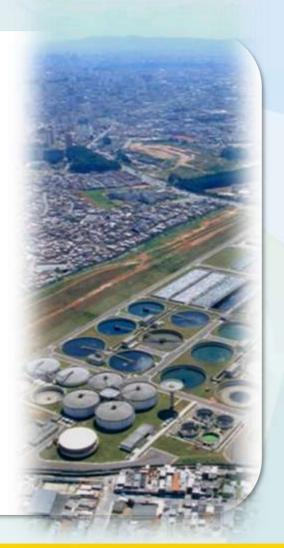
Sewage collection rate in the RMSP rises from **70%** to **84%** Treatment of sewage rate in the MRSP rises from **24%** to **70%** Increase in population with treated sewage: **8.5 million** people

Expansion of the collection and transportation of sewage

- 550 km of interceptors and trunk sewers
- 2.900 km of sewerage collecting system
- 1.010 thousand house connections

Doubling of the Sewage Treatment Capacity (from 8,5 to 18 m³/s)

• Construction of 3 STPs (ABC, Parque Novo Mundo and São Miguel) and Expansion of Barueri STP





Sewage Treatment Plants – SPMR Main System





Tietê Project | Pinheiros Sewer System

from Billings/Guarapiranga (Water Sources) to Barueri STP – along the Marginal Pinheiros





Tietê Project | Pinheiros Sewer System

from Billings/Guarapiranga (Water Sources) to Barueri STP – along the Marginal Pinheiros



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Tietê Project – Stage III

Focus: Expansion of the Sewage System (including small and local treatment systems)



Tietê Project | Stage III

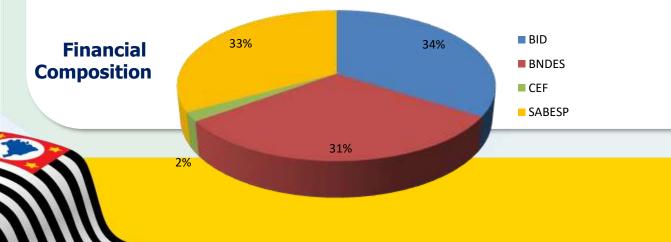
Objetive: expansion of the sewage collection and treatment system in the Upper Tietê Basin (SPMR)

Time: 2010 – 2020

Expected Results

- Sewage Collection rate in the SPMR: 87%
- Treatment of sewage collected rate in the SPMR: 84%
- Increase in treated sewage: 8 m³/s
- Increase in population with treated sewage: **5 million**

Investimento Estimado: US\$ 2 bilhões











Components	Goal	Advance
Trunk Sewers and Interceptors (km)	580	384
Sewage Collection System (km)	780	547
Service Connections (units)	200 mil	678 mil
STPs (increase of capacity L/s) (*)	9.300	60%

(*) Expansion of 3 STPs of Main System (ABC, Parque Novo Mundo and Barueri) and Implementation of 5 new STPs in Localizated Systems (Far North of SPMR)

Overall Advance: 67,7%





Tietê Project | Stage III - Increasing of the capacity of Barueri STP Q=12 m³/s: completed and Q=16 m³/s: in phase of completion / pre-operation







4. PROGRESS OF SEWAGE TREATMENT

Results achieved – Challenges Stage III





Progress of sewage treated in the STPs - SPMR

(secondary treatment - Qcurrent = 18,3 m³/s)



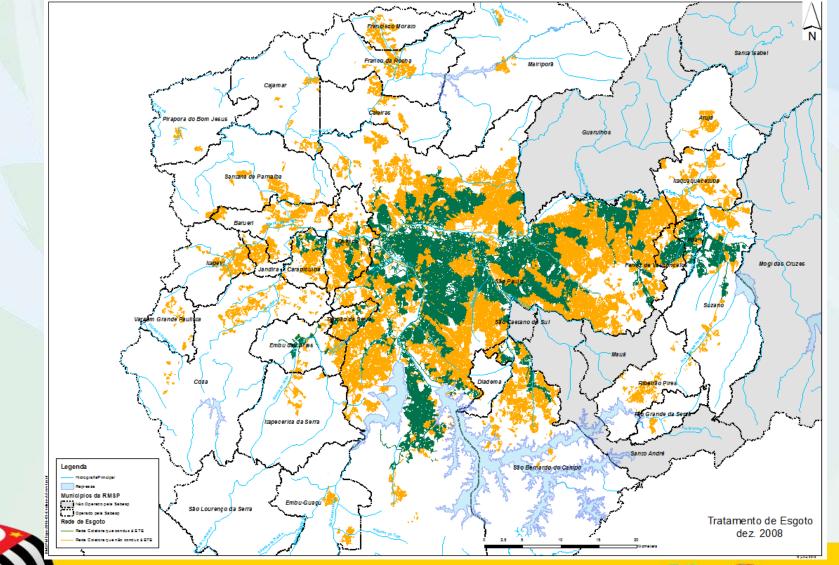
There was an increase of 300% of the treated sewage flow resulting from the Stages I and II of the Tietê Project





Progress of Sewage Treatment (situation 2008)

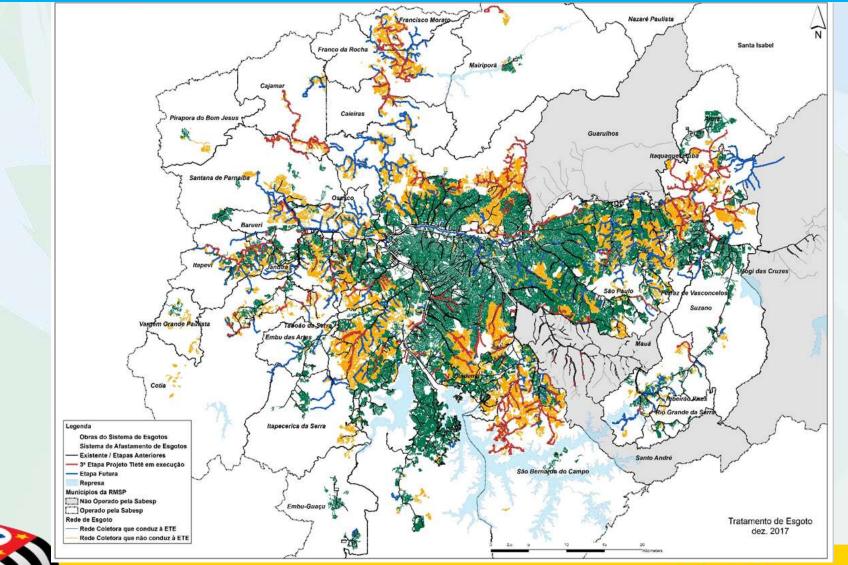






Progress of Sewage Treatment (situation 2017)



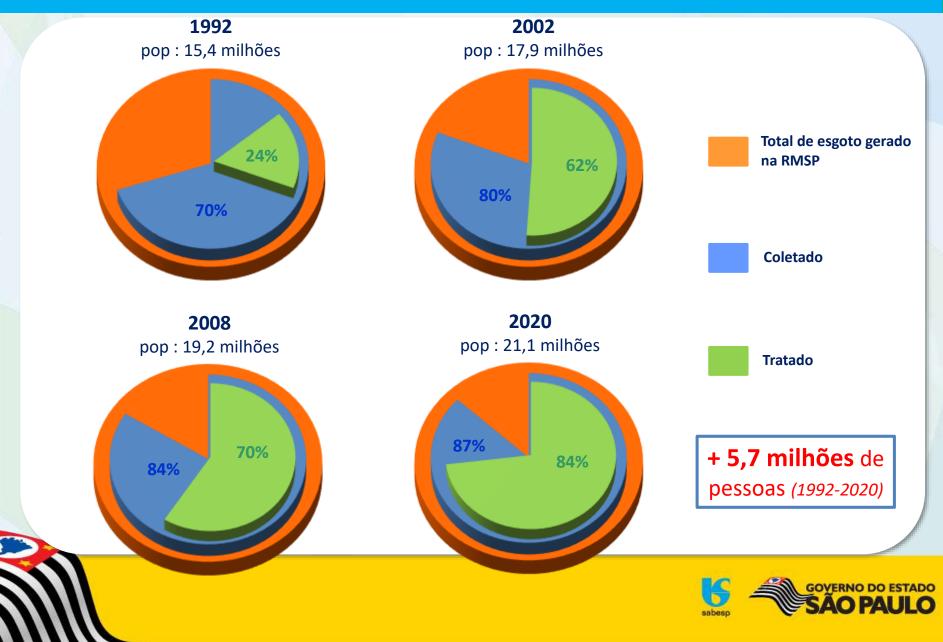




Tietê Project | Progress of the Collection and Treatment Rates

challenge: deficit recovery and growth (peripheral + water supply)





5. CHALLENGES TO THE SUCCESS OF THE PROGRAM





Challenges to the Success of the Program



□ Interface with Housing, Urbanization and Drainage

Programs of the Municipalities and the State

(regularization, redevelopment, unoccupying of valley funds)

□ Interferences and Releases - Highway System, City Halls

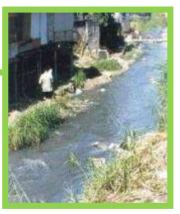
and Concessionaires

Environmental and Domain Permits

Accession of the population to the sewage network

(network connection)

Level of efficiency of suppliers and builders







6. PROSPECTS FOR STAGE IV





Tietê Project | Stage IV



Objetive: Universalization of the collection and treatment of sewage in the Metropolitan Region of São Paulo

Estimated investments: US\$ 2.5 billion

- US\$ 400 million CEF-FGTS Works started (ITi.7, Várzeas do Tietê e SES Laranjeiras)
- US\$ 500 million program under negotiation with the IDB

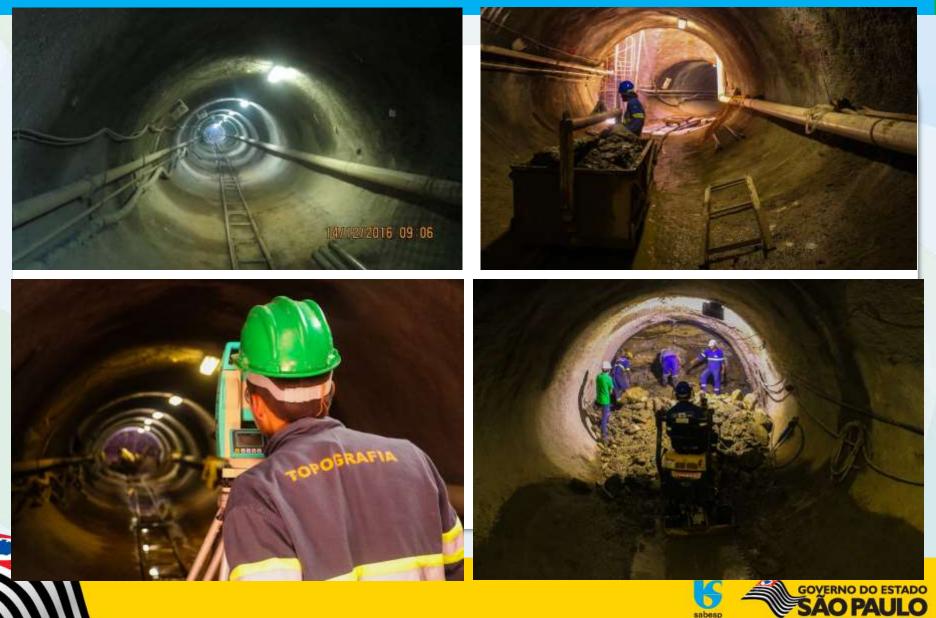
QUANTITIES ESTIMATED				
ĺ	COMPONENT	TOTAL		
	STPs (increase of capacity - L/s)	9.000		
	Trunk Sewers and Interceptors (km)	600		
	Sewage Collection System (km)	Em avaliação		
	Áran Operated by Sabaan			

- Área Operated by Sabesp
- Financing CEF: 180 km of trunk sewers and interceptors

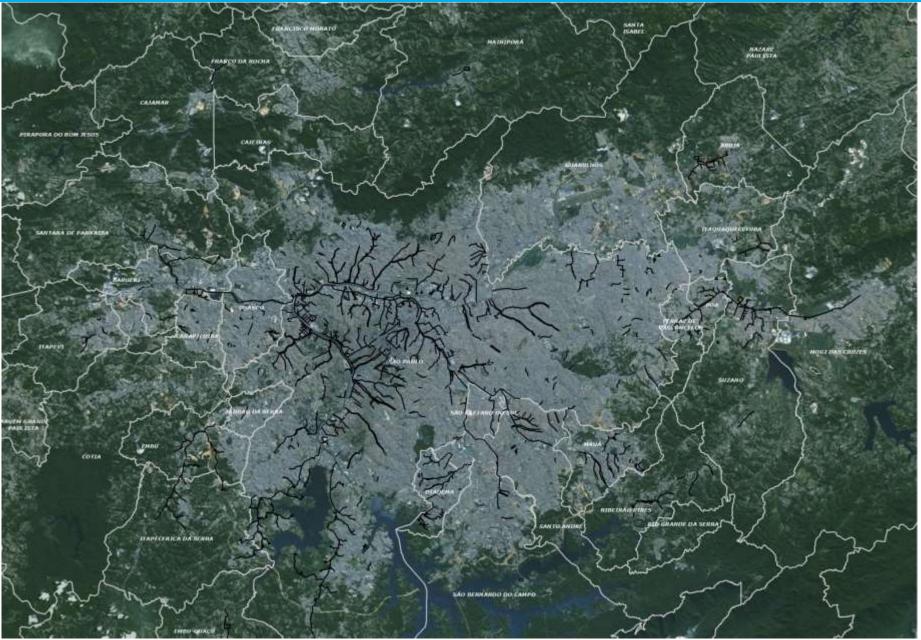


Tietê Project | Interceptor Tietê ITi.7

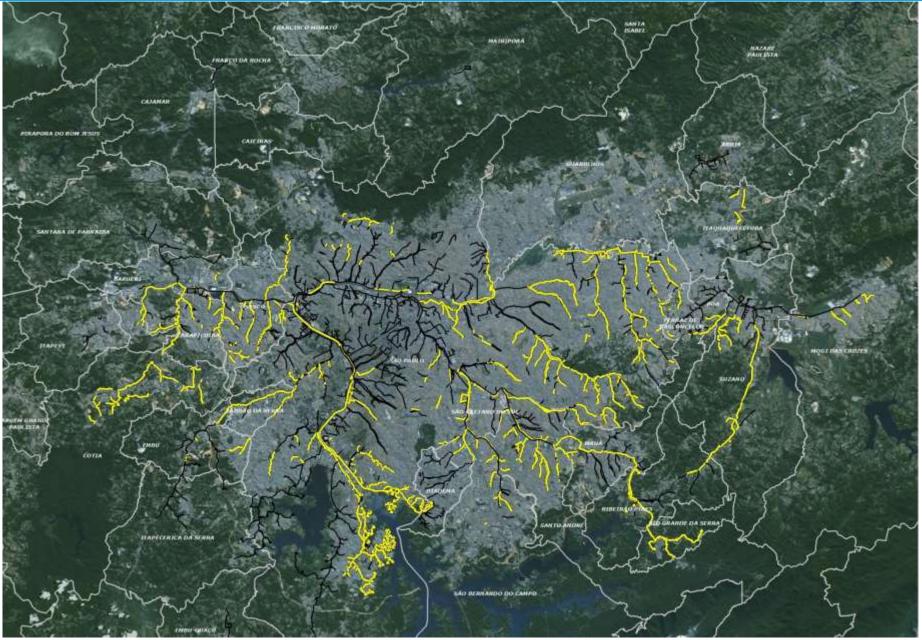








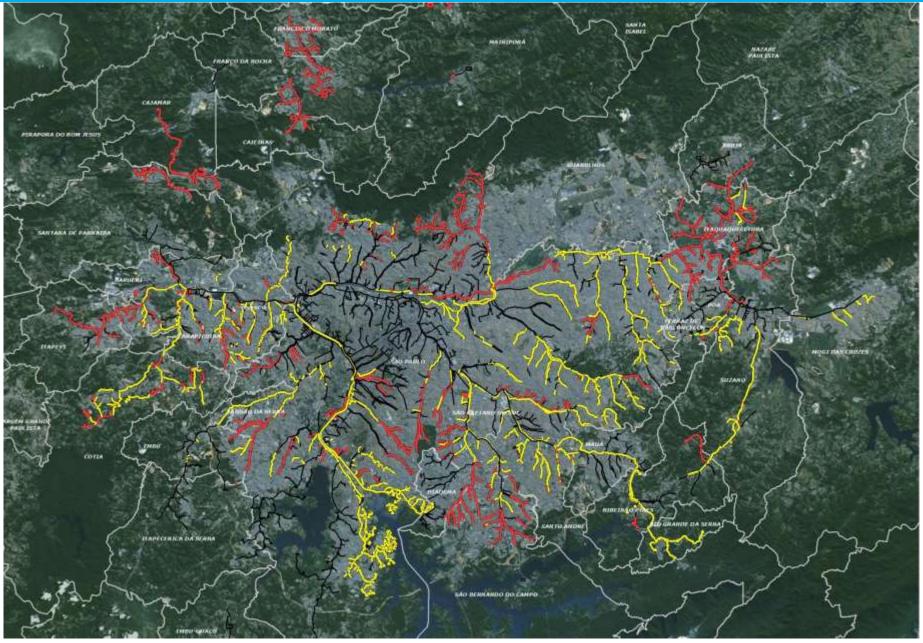




Pre-existing

Stages I and II

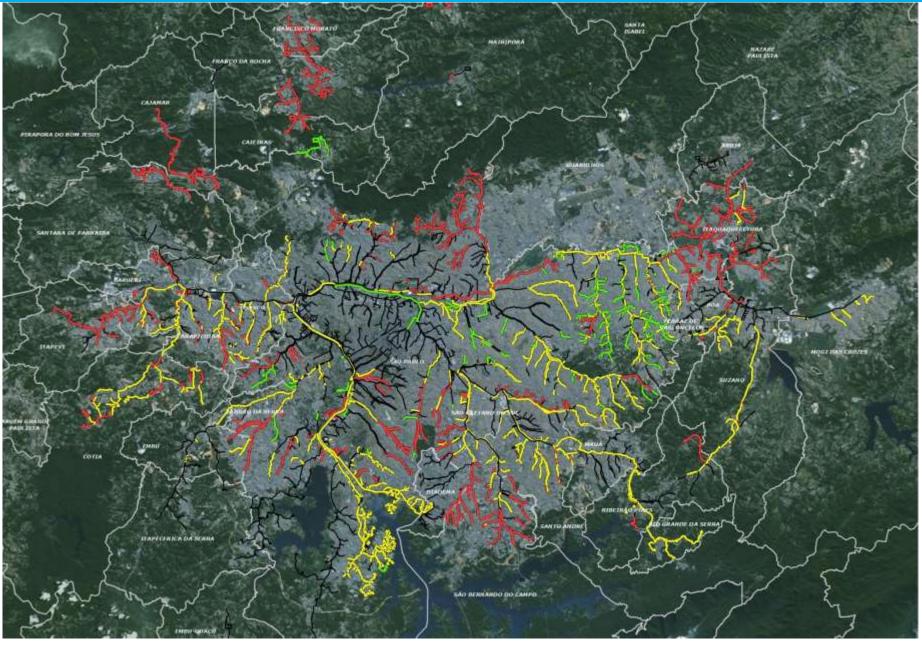




Pre-existing

Stage III



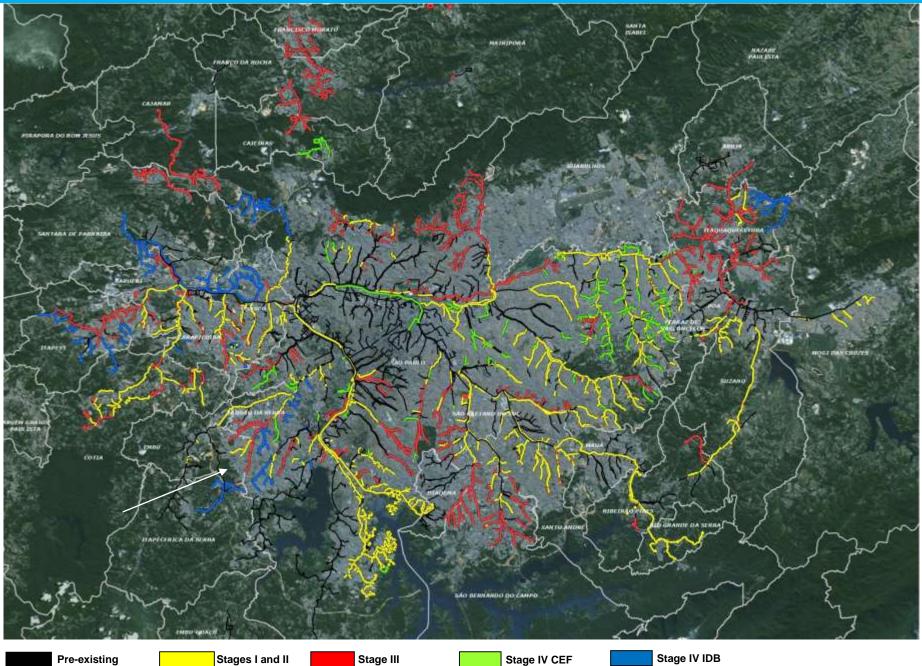


Pre-existing

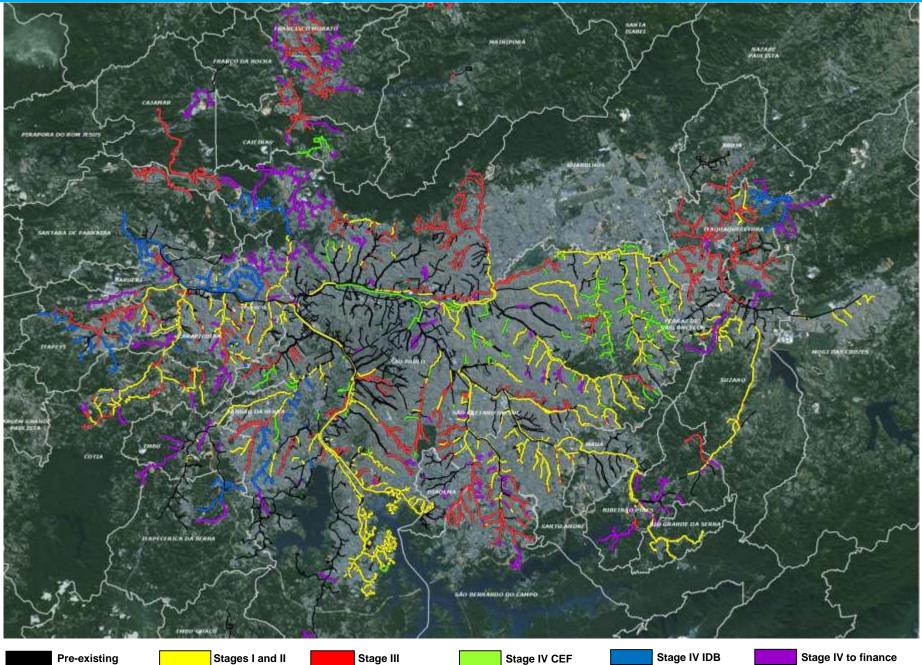
Stage III

Stage IV CEF











THANK YOU!

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