INFRASTRUCTURE

New Opportunities in Brazilian Market



Agenda



- 1. BNDES Highlights
- 2. How we work
- 3. Opportunities in the New Concession Program

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BNDES Highlights



- Founded on June 20th, 1952
- 100% state-owned company under private law
- Yey instrument for implementation of Federal Government's industrial and infrastructure policies
- Main provider of long-term financing in Brazil
- Emphasis on financing investment projects
- Support to micro, small and medium-sized companies
- Support to Export and Internationalization of Brazilian companies

Time Line



50's

60's

70's

80's

90's

00's

Today

Infrastructure

Heavy Industry – Consumer Goods

Technological Development

Imports Substitution

Energy

Agribusiness

Privatization Program

Exports

Urban and Social Development

Social Inclusion

Innovation

Sustainability

Small Business

Relationship with other Government Agencies





Ministry of Development, Industry and Foreign Trade









TCUFederal Court of Auditors

MF

Ministry of Finance

National Monetary Council

Central Bank of Brazil

Securities Exchange Commission

Federal Taxation Office

National Treasury

Private Insurances Agency

Group Structure





Finances long-term investments

BNDESPAR

Equity Participation

FINAME

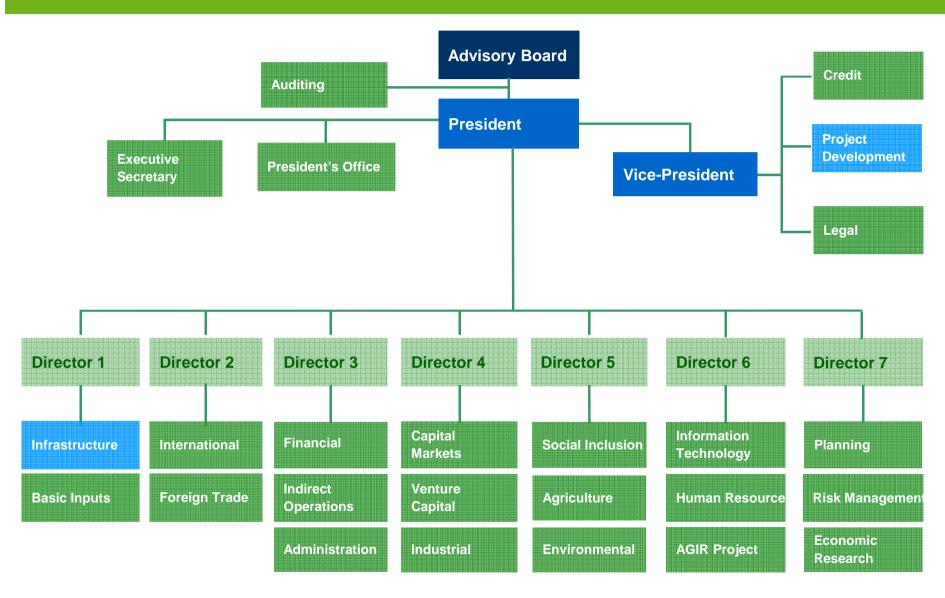
Machinery and Equipment Production and Acquisition

BNDES PLC

Internationalization of Brazilian companies

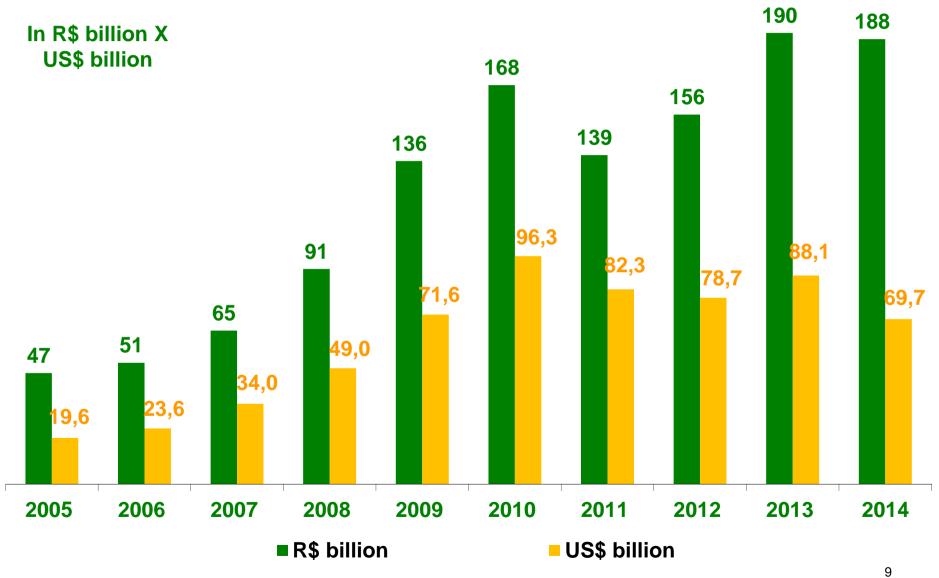
Organizational Chart





Annual Disbursements (R\$ X US\$)

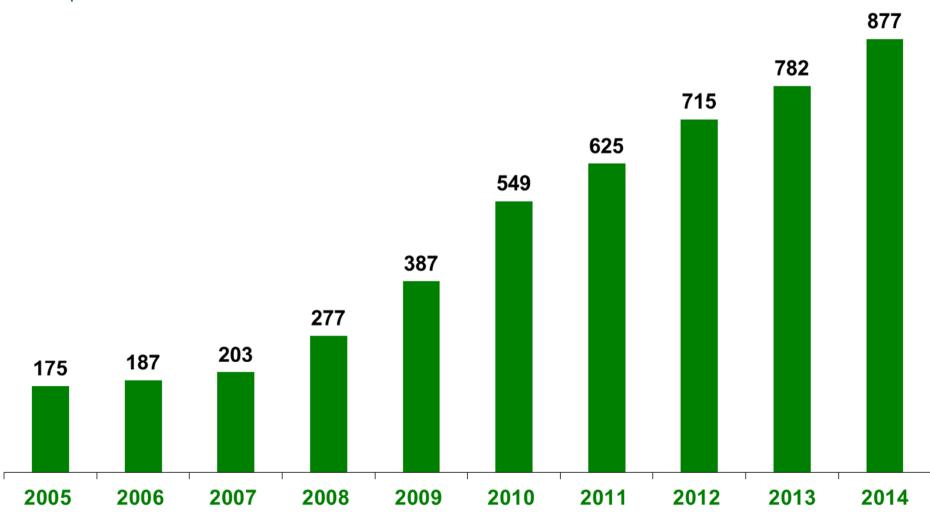




Assets



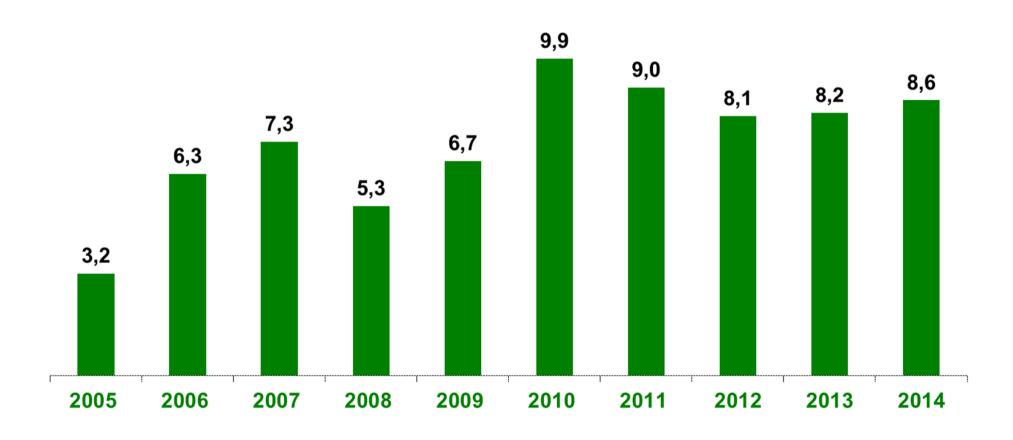




Net Profit



In R\$ billion





BNDES vs. Other Development Banks

	2013			
Indicators	BNDES Brazil	CDB China	KfW Germany	JFC Japan
Assets (US\$ billions)	363,4	1.331,3	619,7	260,4
Loan Portfolio (US\$ billions)	263,5	1.162,3	528,8	222,8
Net Profit (US\$ billions)	3,6	13,0	1,7	(2,9)
Non-performing loans ratio (%)	0,01	0,48	0,13	2,98
Return on Assets (%)	1,01	1,02	0,27	(1,13)
Return on Equity (%)	15,34	15,07	6,21	(6,84)
Foundation	1952	1994	1948	2008
Number of Employees	2.859	8.468	5.374	7.361

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2.3 Project Structuring

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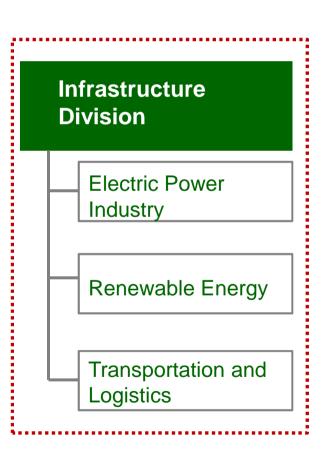
3. Opportunities in the New Concession Program

Infrastructure Division *Understanding BNDES' structure*



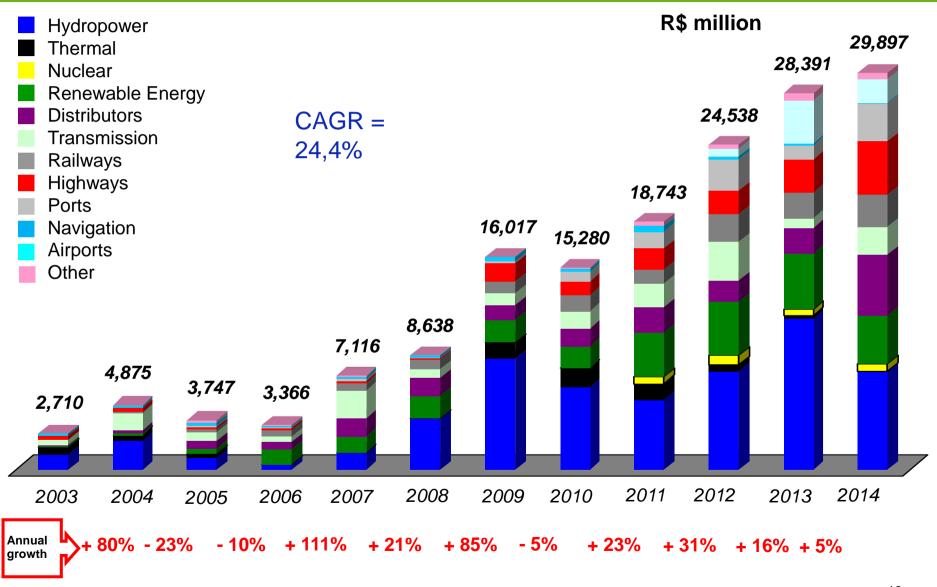
BNDES' Infrastructure Division comprises only part of the segments usually categorized as "Infrastructure"

Industrial Division Social Infrastructure Division Telecommunication Oil and Gas Social Infrastructure Division Urban mobility Sanitation



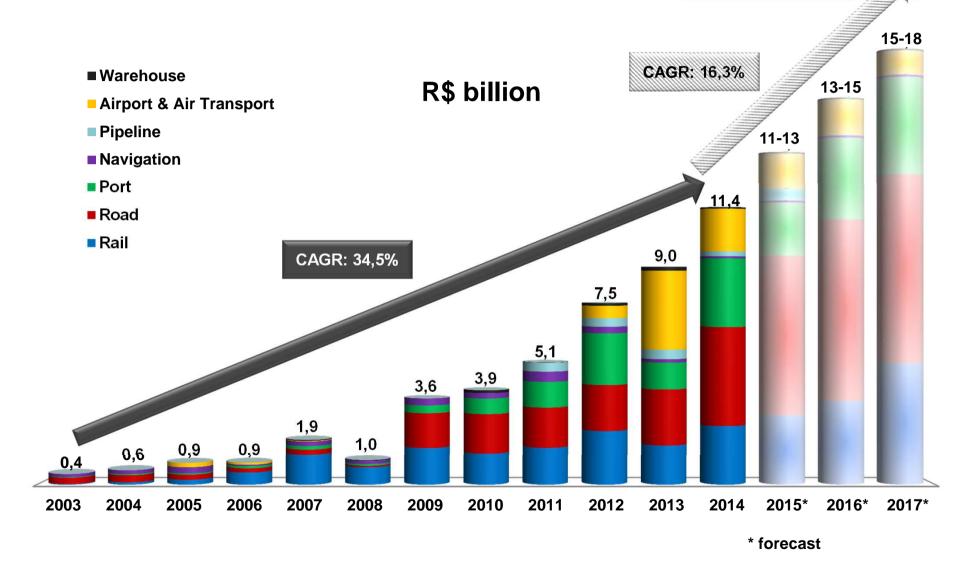
Infrastructure Division Annual Disbursement





Disbursements in logistics **Strong growth trend**





Infrastructure Division Portfolio of projects



R\$ Thousands

	Sector	Number of Projects	Value of Support	Total investment
	Generation	26	63.259.266	100.618.829
Eletric Power Industry	Transmission	65	17.219.733	32.905.430
	Distribution	79	17.696.826	34.656.600
	Subtotal	170	98.175.824	168.180.858
	Wind Power	72	24.386.149	42.610.152
Renewable Energy	Cogeneration	10	1.068.309	1.414.244
	Small Hydro	27	1.680.860	2.916.570
	Subtotal	109	27.135.318	46.940.966
	Roadways	43	34.307.800	64.510.666
	Railways	17	12.190.543	35.503.329
	Ports	24	10.291.033	17.932.467
Transportation and	Airports and Air transport	8	10.547.760	15.800.907
Logistics	Pipeline Transportation	1	4.101.400	8.690.000
	Shipping Industry	7	1.556.066	2.454.230
	Terminals & Warehouses	12	778.732	1.053.014
	Others	8	557.606	1.511.977
	Subtotal	120	74.330.940	147.456.591
	TOTAL	399	199.642.082	362.578.415

Operations in disbursement and approved (66%), Analysis (27%) and in consultation phase (7%)

Framework conditions for infrastructure financing



Appropriate risk allocation and a balanced structure of collaterals

- Economic and legal stability
- Non manageable risks assumed by the granting authority
- Detailed engineering ed information (reducing construction risk)
 - Environmental licensing risk

Developers

Equity/
Mezzanine investors

Attractive rate of return

Grantor

equity

debt

Concessionaire

insurance

Construction

Users

BNDES

Banks

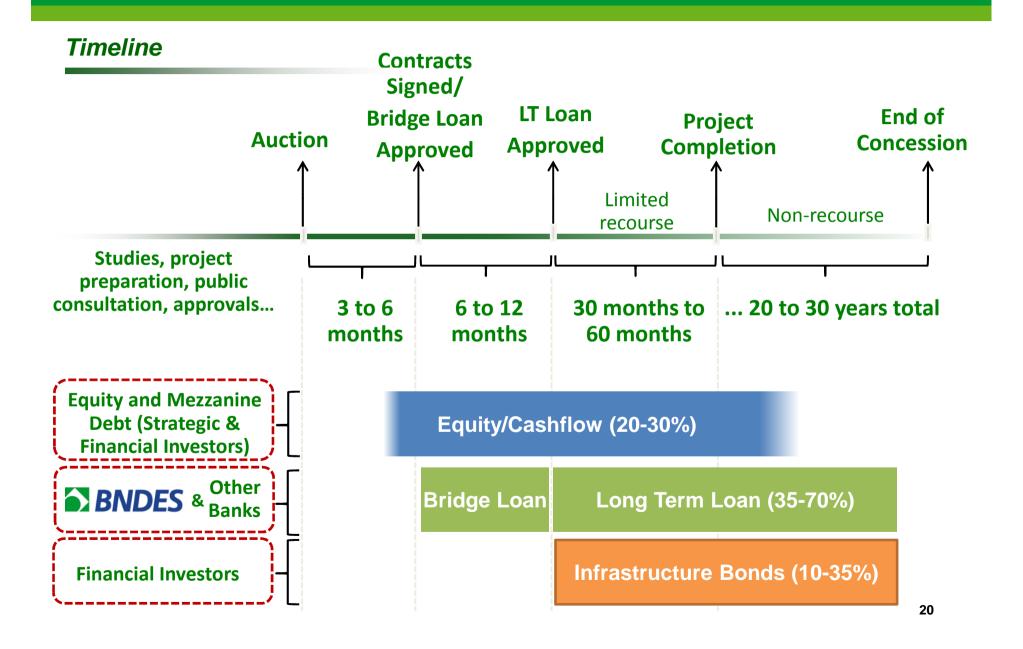
Capital Market

Adequate financing structure

(appropriated terms and competitive rates)

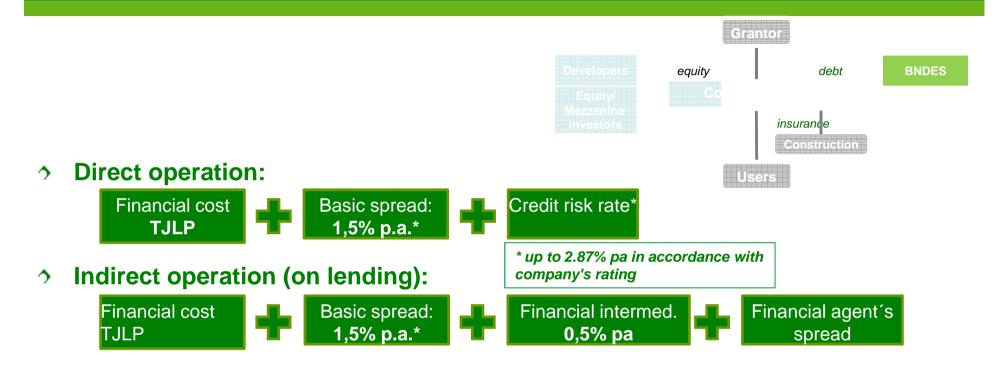
Standard project finance timeline





BNDES Finem

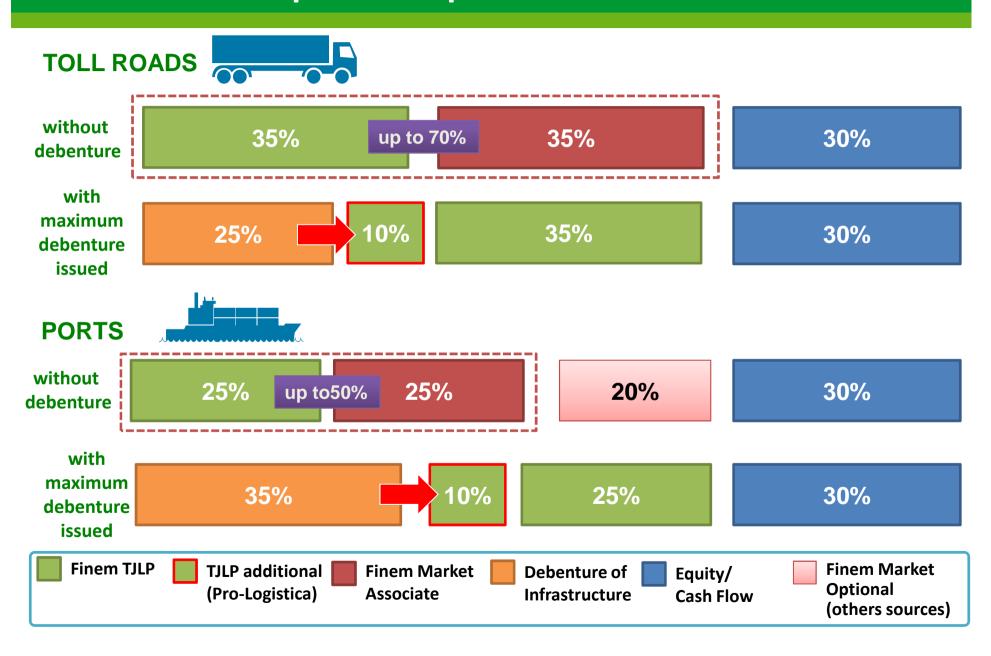




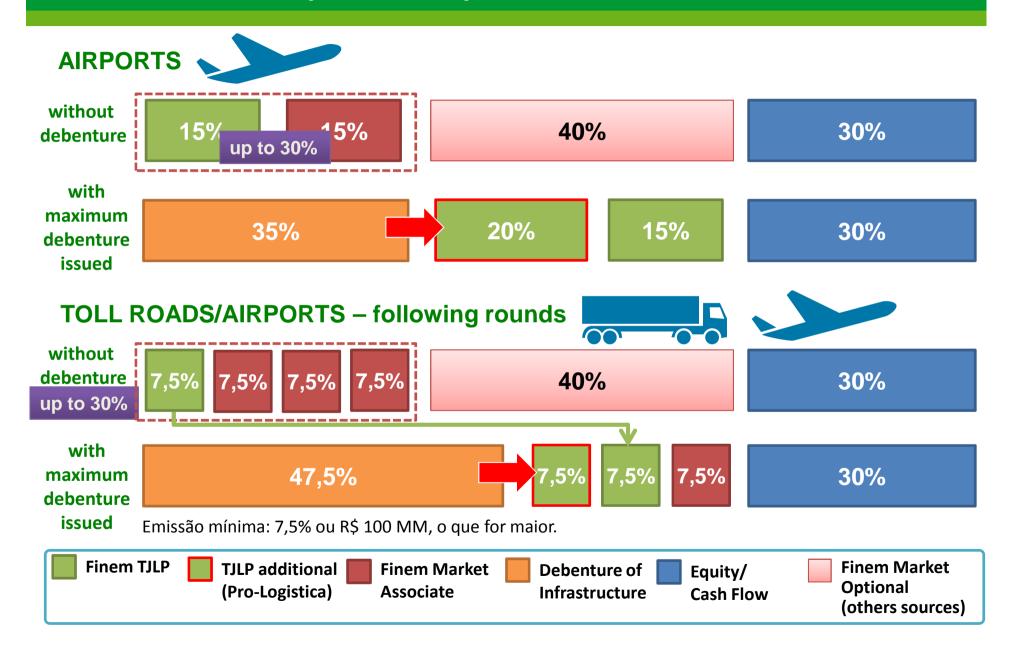
- Term: up to 20 years
- Bridge Loan:
 - Up to 30% of the Long Term debt
 - Corporative or Bank collaterals
 - Term: 18 months

^{* 1,2%} pa. for railways and waterways.

2015 enhanced financing conditions: all in costs BNDES can be reduced up to 200 bps



2015 enhanced financing conditions: all in costs BNDES can be reduced up to 200 bps



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PIPELINE and THIRD-PARTY LOGISTICS

up to 50%

20%

30%



BNDES credit enhancement conditions



♦ With bond issuance

- → Shared guarantees
- ↑ Cross-default
- ↑ Amortization curve to be based on French Amortization System (Price Table) instead of Constant Amortization System.
- ↑ Increase of TJLP participation
- → Liquidity support

Infrastructure financing

Guarantees structure



General Structure

Loan Tenure

- Debt service account (3 installments)
- Pledge of the SPC's shares
- Pledge of receivables and rights (including any indemnity payment)
- Step in rights

Pre-Completion

- Corporate Guarantee
- Bank Guarantee
- Equity Support Agreement
- Package of insurance

Post-Completion

 Operational and Financial Covenants

^{*} Appropriate risk allocation allows a customized and balanced collateral structure

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Capital Market

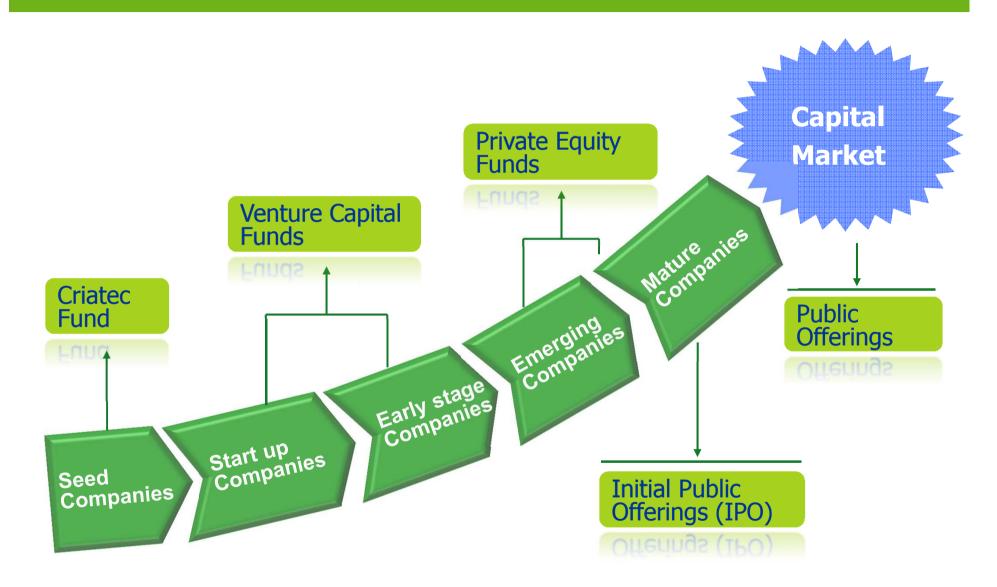


The BNDESPAR plays a key role owing to:

- Its commitment to long-term projects.
- The size and quality of its portfolio.
- Its performance in moments of higher volatility in the market.
- Its capacity to attract other investors.
- Its focus on corporate governance.
- Its capacity to invest in all market sectors.

BNDESPAR Chain of Investment

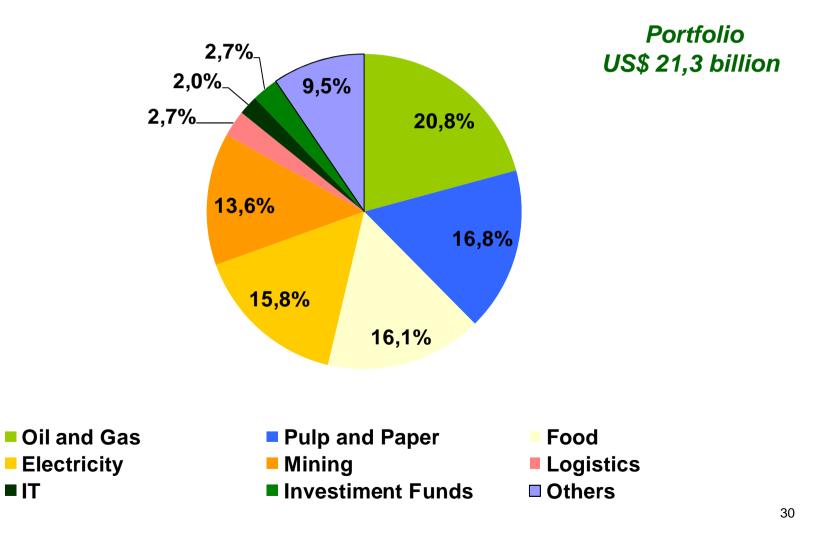




BNDESPAR Equity Portfolio by Sector



On March, 31 2015



BNDESPAR Equity Infrastructure Portfolio



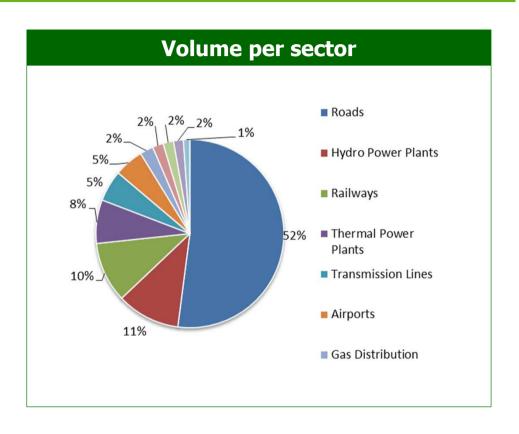
Sector	Companies	R\$ million	% Portfolio
Energy	AES Tiete e Eletropaulo (via Brasiliana), Eletrobras, Copel, CPFL, Cemig/AGC Energia, Light, Renova, Taesa, Equatorial, Odebrecht Energia, CEG and others	11.764	17,2%
Logistics	Odebrecht Transport, Rumo (ex ALL) e Cosan Log, Ecorodovias and others	1.861	2,7%
Sanitation	CAB Ambiental and others	330	0,5%
Funds	FIPs: Brasil Energia, Angra Infra-estrutura, Infra Brasil and others	786	1,1%
	Infra-structure Total	14.741	21,6%

Opportunities of coinvestment in long term projects in Brazil partnership with BNDESPAR

Infrastructure Bonds Issues



Sector	Volume (R\$ million)	# Issues
Roads	9.289	24
Hydro Power Plants	1.942	7
Railways	1.851	3
Termhal Power Plants	1.335	3
Transmission Lines	956	7
Airports	900	3
Gas Distribution	412	1
Wind Power Plants	336	7
Ports	321	1
Small Hydro Power Pl	300	2
Sanitation	200	1
Total	17.842	58



Source: Anbima (june, 2015)

- → Issuance of Infrastructure bonds amounted to R\$ 17,8 billion from 2010 to 2015
- Main issuers were Roads, Hydro Generation and Railways Companies

Infrastructure Bonds portfolio



Sector	Companies Bonds - Public Offerings	R\$ million	
Energy	Cemig, Taesa, Eecc, Svp, Saesa, Renova Eolica, Raizen and others	1.598	
Airports	Guarulhos, Viracopos	481	
Highways	Rota das Bandeiras, Concessionária Auto Raposo Tavares, Autovias, Ecorodovias and others	407	
Total			

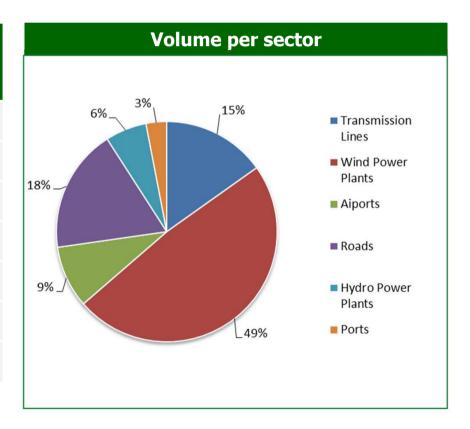
BNDES acquired ~30% of infrastructure bonds in brazilian public offerings

Infrastructure Bonds *Pipeline*



The projects pipeline for 2015/16 estimate 33 motivated operations, which totalize $R\$ 3.8 \ billions \ in$ bonds.

Sector	# Issues	Estimate Volume (R\$ Millions)
Transmission Lines	5	705
Wind Power Plants	16	979
Aiports	3	330
Roads	6	1313
Hydro Power Plants	2	324
Ports	1	230
Total	33	3.881



Source: BNDES (march, 2015)

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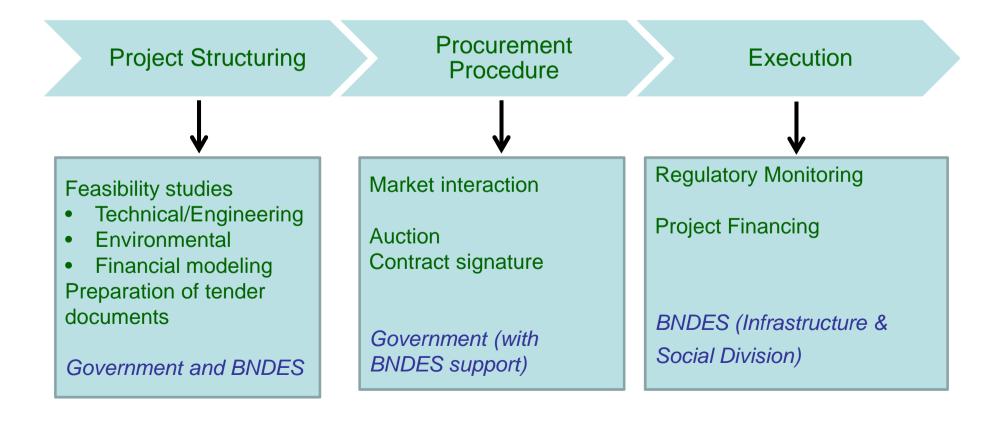
3. Opportunities in the New Concession Program

Project Structuring Process



BNDES's Project Development Division is responsible for structuring projects of public concessions and PPPs for the Federal Government, States and Municipalities.

The activity called "project structuring" is meant to be prior to project deployment and must not be confused with the traditional activity of BNDES financing to ventures.



Mechanisms of Project Structuring @BNDES































Brazilian PSP Development Program

Brazilian Project Structuring Company



Project Development Division



Environment Assessment

Project Structuring

Procurement Phase

- Advisory
 - Background in infrastructure structuring. BNDES team has been helping central and local governments to develop their Concessions and PPP projects in the last 8 years:
 - Project Structuring
 - Financial structuring solutions
 - Legal and regulatory risk
 - Procurement Procedures

PDD Projects

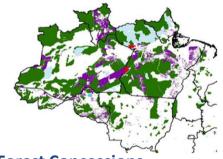
- 35 structured (24 concluded)
- US\$ 21.3 billion of estimated CAPEX
- 5 86% success rate

- Market sounding
 - Fostering possible partners to the SPC or future investors
- Sectorial studies developed:
 - Exploration and production of Oil & Gas
 - Aviation Sector Study / Restructuring of INFRAERO
 - Bioceanic Railway Corridor
 - Port Sector Study
 - Urban Mobility (Florianópolis / SC)
- Brazilian PPP Market Presentations

Project Development Division - Project Portfolio BNDES



Basic Health Units



Forest Concessions



Hospitals



Image Diagnostics Center



Highways Concessions



Airports Concessions



Sewage and Water treatment



Elementary and Infant-school 9
Education

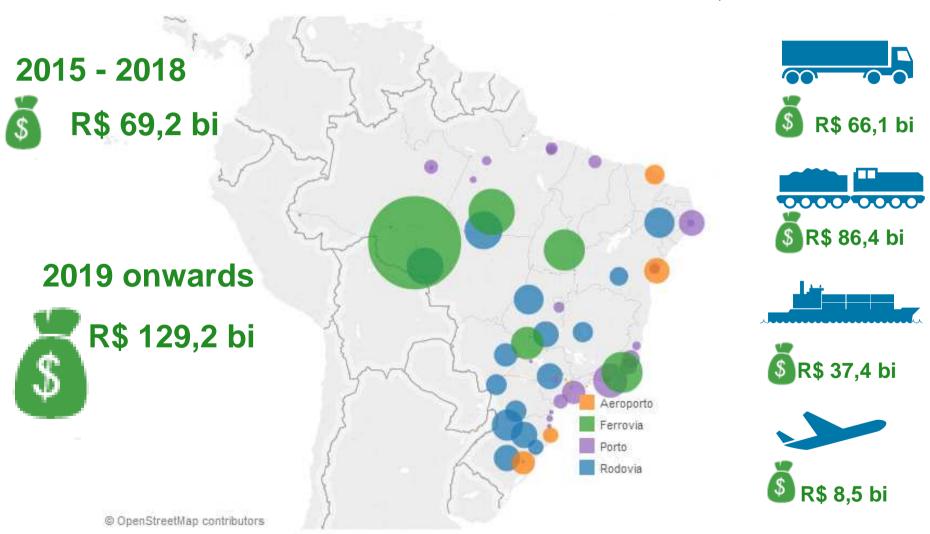
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Total estimated investments: R\$ 198,4 bi



Expected timeline of opportunities in infrastructure



Equity or Mezzanine Debt

	2015	2016	2017
Toll roads		1 23	4
Airports	5	6	
Ports		7	8
Railways		9	

- 1 PIL 2012: 6 concessions recently granted still have huge investments to perform (BR 153, BR 163-MT, BR 060/153/262, BR 040, BR 163-MS, BR 050-MG/GO)
- 2 PIL 2015: first round of future bids will have 4 new concessions (public consultation starting soon)
- 3 PIL 2015: additional investments in 12 existing concessions (ammendment agreements)
- 4 PIL 2015: second round of future bids might includes up to 11 toll roads (studies to be started through RFPs)
- Concessions granted: reestructuring and/or new investments to be done (Brasília, Natal, Viracopos, Guarulhos, Galeão e Confins)
- 6 PIL 2015: 4 new concessions Salvador, Porto Alegre, Fortaleza and Florianópolis (studies to be started)
- PIL 2015: first block of new leases (future bids), private terminals or renewing of existing leases
- 8 PIL 2015: second block of new leases (future bids) or private terminals
- 9 PIL 2015: future bids for extension of North-South and new railways (grains transportation from Mato Grosso)

Expected timeline of opportunities in infrastructure



Project
bonds

	2015	2016	2017	2018
Toll roads		1	23	4
Airports		5	6	
Ports			0	8
Railways		9		

- 1 Existing concessions with investments to perform (Arteris' concessions and 6 toll roads from PIL 2012)
- 2 PIL 2015: first round of future bids will have 4 new concessions (public consultation starting soon)
- 3 PIL 2015: additional investments in 12 existing concessions (ammendment agreements)
- 4) PIL 2015: second round of future bids might includes up to 11 toll roads (studies to be started through RFPs)
- (5) Concessions granted: **new investments** to be done (Galeão e Confins)
- 6 PIL 2015: 4 new concessions Salvador, Porto Alegre, Fortaleza and Florianópolis (studies to be started)
- PIL 2015: first block of **new leases** (future bids), **private terminals** or **renewing of existing leases**
- 8 PIL 2015: second block of new leases (future bids) or private terminals
- PIL 2015: additional investments to be done by existing railways concessions (Rumo-ALL and VLI)



www.bndes.gov.br