

Intellectual Capital for Communities in the Knowledge Economy Nations, Regions, Cities and Emerging Communities





World Conference on Intellectual Capital for Communities
- Fourth Edition -





The Brazilian Development Bank



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Innovation and Creativity

Brazilian Cultural Heritage Values



- Bossa Nova
- Flamengo supporters



- Minas Cheese







Macroeconomic targets

Science, Technology and Innovation ("PACTI")

US\$ 23,1 billion

I NIVATE K&D/GDP

2010 target: 0,65% (US\$ 10 billion)

2005: 0,51% or US\$ 6,7 billion CAGR 9,8% between 2007-2010

INVESTMENT/GDP

2010 target: 21% (US\$ 350 billion)

2007: 17,6% or US\$ 254 billion CAGR 11,3% between 2008-2010

BRAZILIAN EXPORTS (% WORLD)

2010 target: 1,25% (US\$ 208,8 billion)

2007: 1,18% or US\$ 160,6 billion CAGR 9,1% between 2008-2010

NUMBER OF SME's EXPORTERS

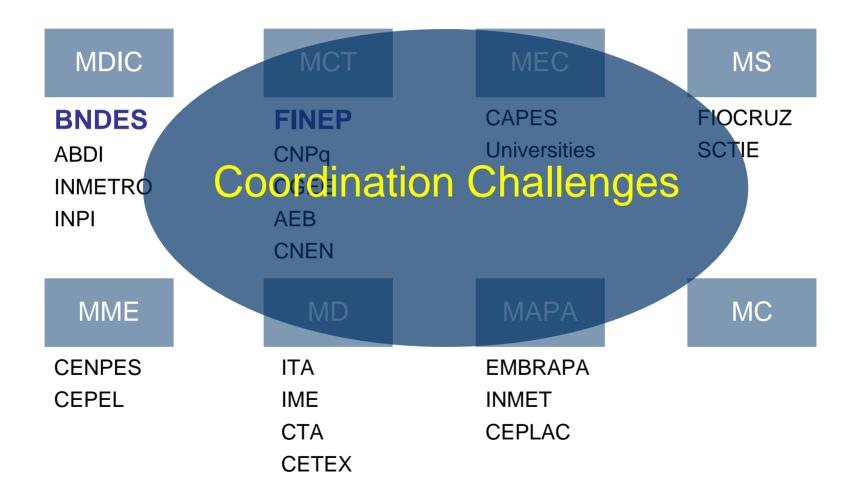
2010 target: increase by 10% the number of SME's exporters

2006: 11.792 companies



Federal Government actions in innovation

MINISTRIES





Federal Government actions in innovation BNDES and FINEP play a major role...

-Technologic Innovation

-Innovative Capital

-Sectorial Programs

Innovation support

BNDES (2	2008/2010)
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Fixed Income Programs

VC/PE Funds

Direct Equity Participation

US\$ MM

3.400

450

450

<u>800</u>

4.650

FINEP (2008)

Loans

Grants to non-profitable institutions

Science and Technology Funds

US\$ MM

420

260735

1.415

MINISTRY OF TREASURY

Immediate depreciation of new machines used in R,D&I.



Brazil: Highlights

INVESTMENTS IN R&D (%GDP)

ISRAEL	4,70	SPAIN	1,12
SWEDEN	3,89	ITALY	1,10
FINLAND	3,48	RUSSIAN	1,07
JAPAN	3,33	BRAZIL	1,02
SOUTH KOREA	2,99	HUNGARY	0,94
USA	2,62	SOUTH AFRICA	0,86
TAIWAN	2,52	INDIA	0,85
GERMANY	2,46	PORTUGAL	0,80
SINGAPORE	2,36	MALAYSIA	0,69
FRANCE	2,13	CHILE	0,68
CANADA	1,98	TURKEY	0,67
NETHERLANDS	1,78	POLAND	0,57
UNITED KINGDOM	1,78	MEXICO	0,50
CHINA	1,34	ARGENTINA	0,46

Source: OCDE (2007), Ministry of Science and Technology (MCT,2007), World Bank (2006) and RICYT (2006).



Brazil: Highlights

MASTER AND Ph.D. DEGREES

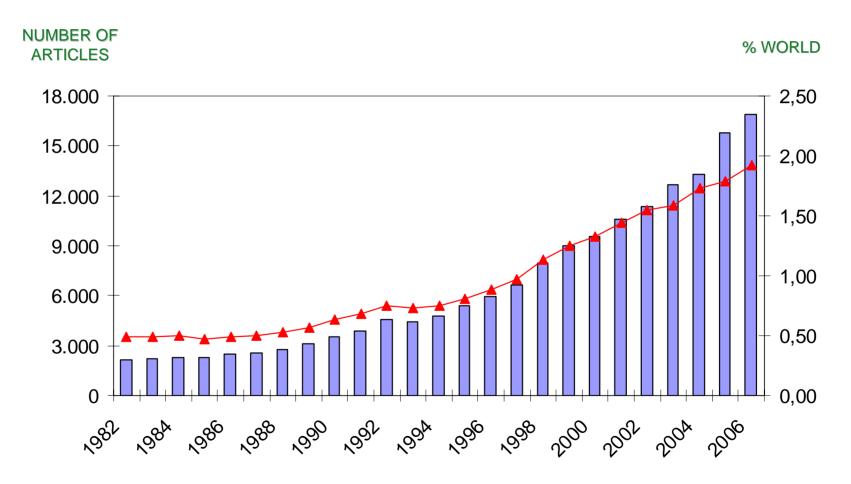
	1990	1995	2000	2006
STUDENTS GRADUATED				
MASTER	5.579	8.982	18.140	29.761
Ph.D.	1.410	2.497	5.344	9.366
NUMBER OF COURSES				
MASTER	942	1.202	1.490	1.912
Ph.D.	445	635	821	988

Source: MCT (2008)



Brazil: Highlights

BRAZILIAN SCIENTIFIC PRODUCTION



Source: Institute for Scientific Information



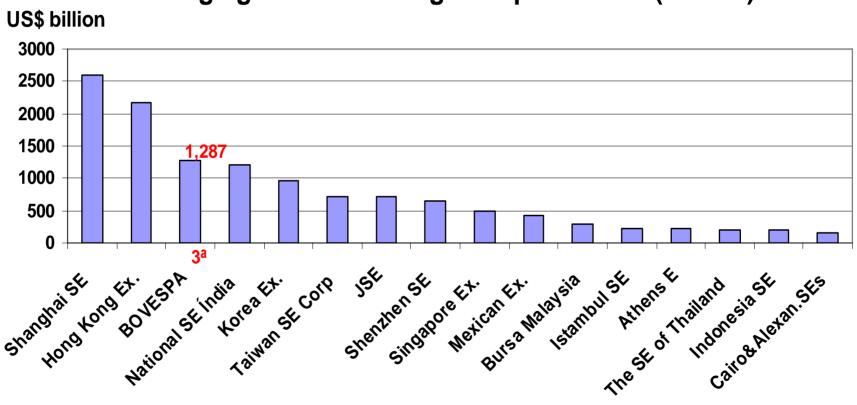
Brazil: Highlights in innovation

Incubators in Brazil (2008)

- 383 incubators: 339 active, 32 being implemented and 12 projects
- 85% attached to universities (64% are public)
- 17 research support foundations
- 5,620 enterprises connected to incubators and responsible for generating 30,000 direct jobs
- Start-ups are usually highly innovative enterprises and foster a new breed of entrepreneurs already adapted to the new competitive environment
 - Support with Credit, Management and Sales tools are essential for competitiveness and growth



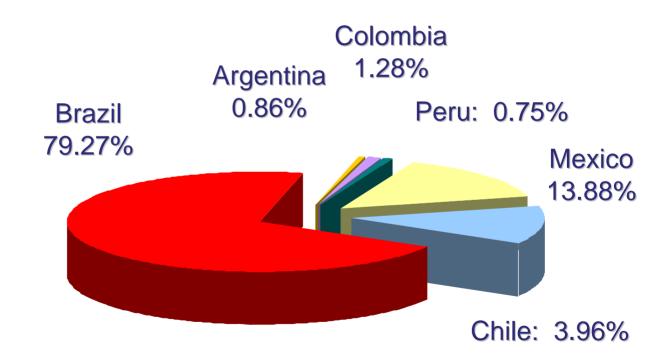
Emerging Stock Exchanges Capitalization (mar/08)



Source: WFE – World Federation of Exchanges.



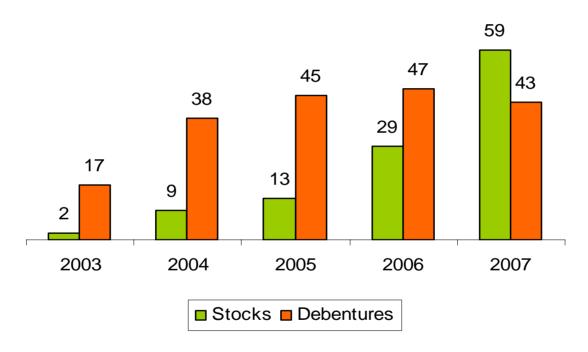
BOVESPA in Latin America Trading Volume in 2007



Source: WFE – World Federation of Exchanges.



BOVESPA Initial Public Offers Registrations



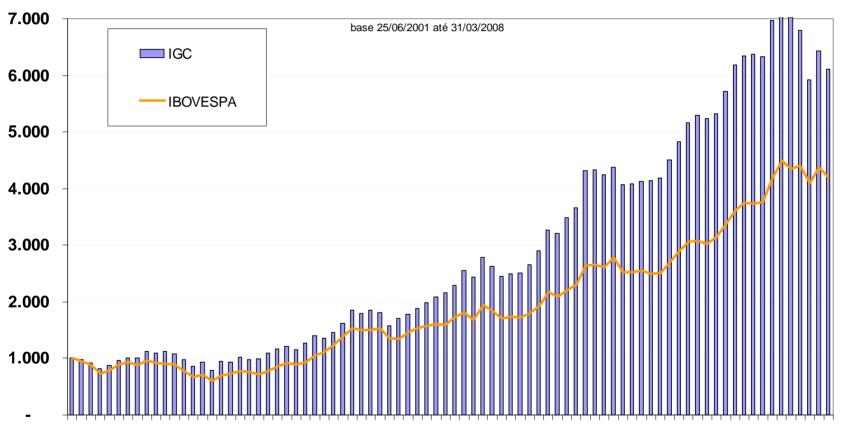
About 400 listed companies with market cap of US\$ 1,3 trillion (Mar, 2008).

Listing segments: Novo Mercado, Nível 1, Nível 2 and BOVESPA Mais.

Source: CVM



BOVESPA Index (IBOVESPA) vs. Corporate Governance Index (IGC)



jun-01 dez-01 jun-02 dez-02 jun-03 dez-03 jun-04 dez-04 jun-05 dez-05 jun-06 dez-06 jun-07 dez-07

Source: BOVESPA



S&P rated Brazil as investment grade in apr/08

- A rating upgrade in a moment of international volatility confirms that Brazilian fundamentals are sound.
- A wider universe of international investors, including massive U.S. pension funds, will be able to plunge into the Brazilian stock market.
- Local companies will benefit from the lower cost of capital and more sources to finance their growth.

Source: ABVCAP



Capital Markets: VC/PE in Brazil

- About 90 venture capital / private equity firms managing 153 investment funds
 - More than 400 companies invested
 - Main sectors: IT, Infrastructure, Biotechnology, Agribusiness and Real State
 - Committed capital: from US\$ 5,6 billion (2004) to US\$ 16,7 billion (2007)
 - VC/PE firms encourage implementation of corporate governance in non-listed companies

Source: ABVCAP



BNDES vs Multilateral Banks (US\$ billion)

	BNDES Dec 31, 2007	IDB Dec 31, 2006	IBRD Dec 31, 2006	CAF Dec 31, 2006
Total Assets	144,409	66,475	212,326	10,439
Shareholders' Equity	14,071	19,808	36,474	3,693
Net Income	4,130	243	(2,389)	321
Loan Disbursements	35,200	6,088	11,836	3,006
Total Loans	92,886	45,932	100,221	8,097
Capitalization	12.3%	29.8%	17.2%	35.4%
ROA	3.75%	0.4%	N.A.	3.3%
ROE	33.23%	1.2%	N.A.	9.4%

IDB: Inter-American Development Bank.

IBRD: The International Bank for Reconstruction and Development (World Bank).

CAF: Corporación Andina de Fomento.



Organizational Structure

BNDES



Long-term loans

BNDESPAR



Equity participation



Disbursements to innovation (2007)

US\$ MM

	Value	Nº Operations
BNDES		
Fixed Income Programs	335	53
BNDESPAR		
Investment Funds	85	13
Equity participation	150	12
TOTAL	570	78



BNDESPAR's Portfolio

	Dec/2006	Dec/2007
Qty		
Funds	20	26
Companies (equity participation)	182	181
Market Value (US\$ billion)	27,6	49,6
Stocks/ Funds / Bonds	25,7	48,1
Debentures	2,3	1,4
Portfolio Management (US\$ billion)		
Investments	0,9	3,8
Disinvestments	3,6	4,0



ica Current Funds Program

QUANTITY	FOCUS	TARGET COMPANIES
13	Emerging Companies / Venture Capital	Innovative technology based companies
4	Private Equity	Large companies / Infrastructure / low liquidity
1	Liquidity	Listed Companies (Level 2 and 3)
3	Infrastructure Funds	Oil and Gas sector companies (the whole chain)
2	FDIC (receivables)	Capital Goods and Transportation
1	Seed Money Fund (CRIATEC)	Innovative Seed companies
2	Clean Development Mechanism	Carbon Credits Generation



Seed Money Fund (CRIATEC)

- Committed capital: US\$ 55 million
- More than 60 enterprises will be invested
- 3.000 new jobs are expected to be created
- The fund will be valid for 10 years, and the first four years are related to the Investment Term
- Creation of a national fund with dedicated staff that will hire managers to operate in 8 innovation clusters around the country
- 4 companies invested in 2008 (Biotechnology, Agribusiness, IT and Medical equipment)



Funds Program

- BNDES has structured 38 funds up to 2008 (private equity, venture capital, etc.)
- Total Committed Capital: US\$ 3.5 billion
- BNDES's Committed Capital: US\$ 0.8 billion
- More than 220 companies invested



Direct Equity Participation Innovative SME's

US\$ MM

	2005	2006	2007	2008*
Investments approved (qty)	5	9	12	7
Value	31	81	150	37
Average value	6,2	9	12,5	5,2

(*) Up to march



Direct Equity Participation

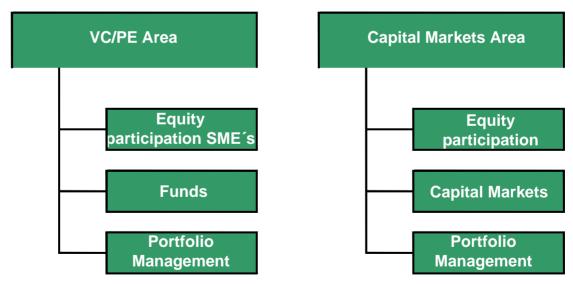
By taking direct participation in small and medium innovative companies, BNDES helps in the diffusion of corporative governance practices, providing greater transparency and respect to minority shareholders, together with the Securities Commission (CVM) and BOVESPA.

BNDES has invested US\$ 550 million in 91 SME's since 1988.



Capital Markets and Innovation

- BNDES span-off venture capital/private equity segments into a new Area
 - Increasing importance of capital markets for the Brazilian economy
 - Emphasized role of innovation







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