

Management in Dynamically Changing Environments

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South Africa
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Brazil



Indicators

- Population (2011) – 192 Millions
- Area – 8.514.876 sq km
- Brazil is the 5th largest country, both in terms of area and population, in the world.
- GDP nominal (2011) – US\$ 2,492 Trillions
- GDP per capita (2011) – US\$ 11,770
- Unemployment rate : 5,8 %



Indicators

- The largest economy in Latin America.
- GDP: 6th largest world economy.
- Middle Class :105 Millions persons.



Indicators

- 2nd world producer of beef and soybeans.
- 3rd world producer of poultry.
- 3rd major agricultural exporter in the world.
- Petrobras 4th largest energy company in the world.
- Great experience in oil exploration in deep sea waters.
- Developing technology to exploit oil in the pre-salt.



A evolução dos indicadores

Desde o pós-guerra, a qualidade de vida dos brasileiros tem melhorado gradativamente — e em praticamente todos os governos

RODOVIAS

(em quilômetros asfaltados)



REDE DE ESCOTO

(em % de domicílios)



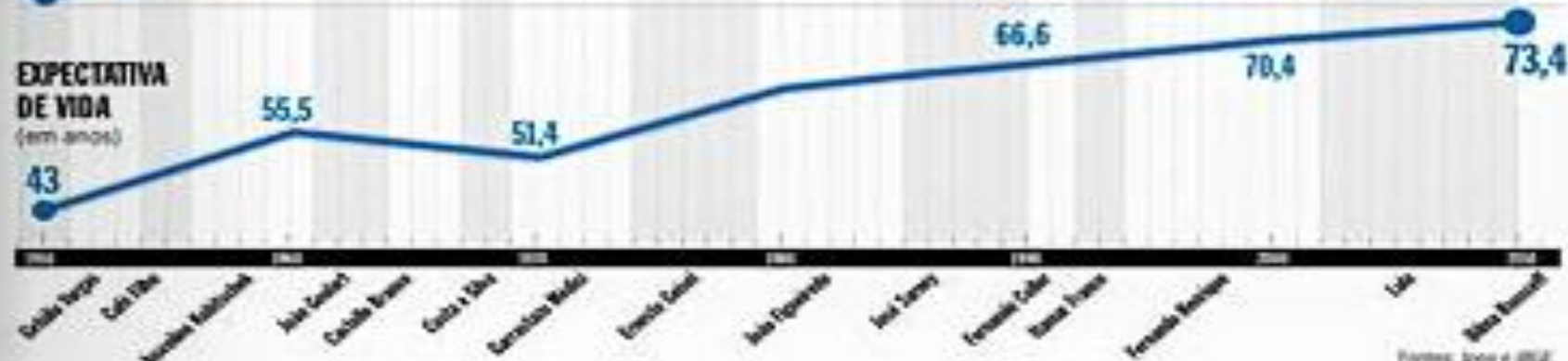
CRIANÇAS NA ESCOLA

(entre 5 e 9 anos, em %)

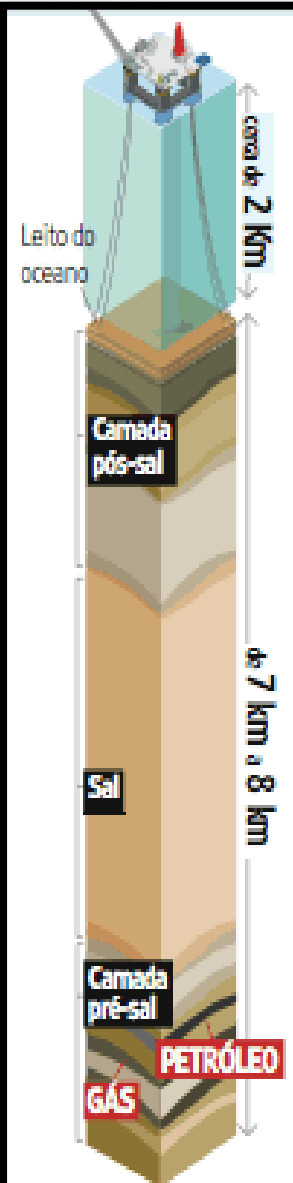
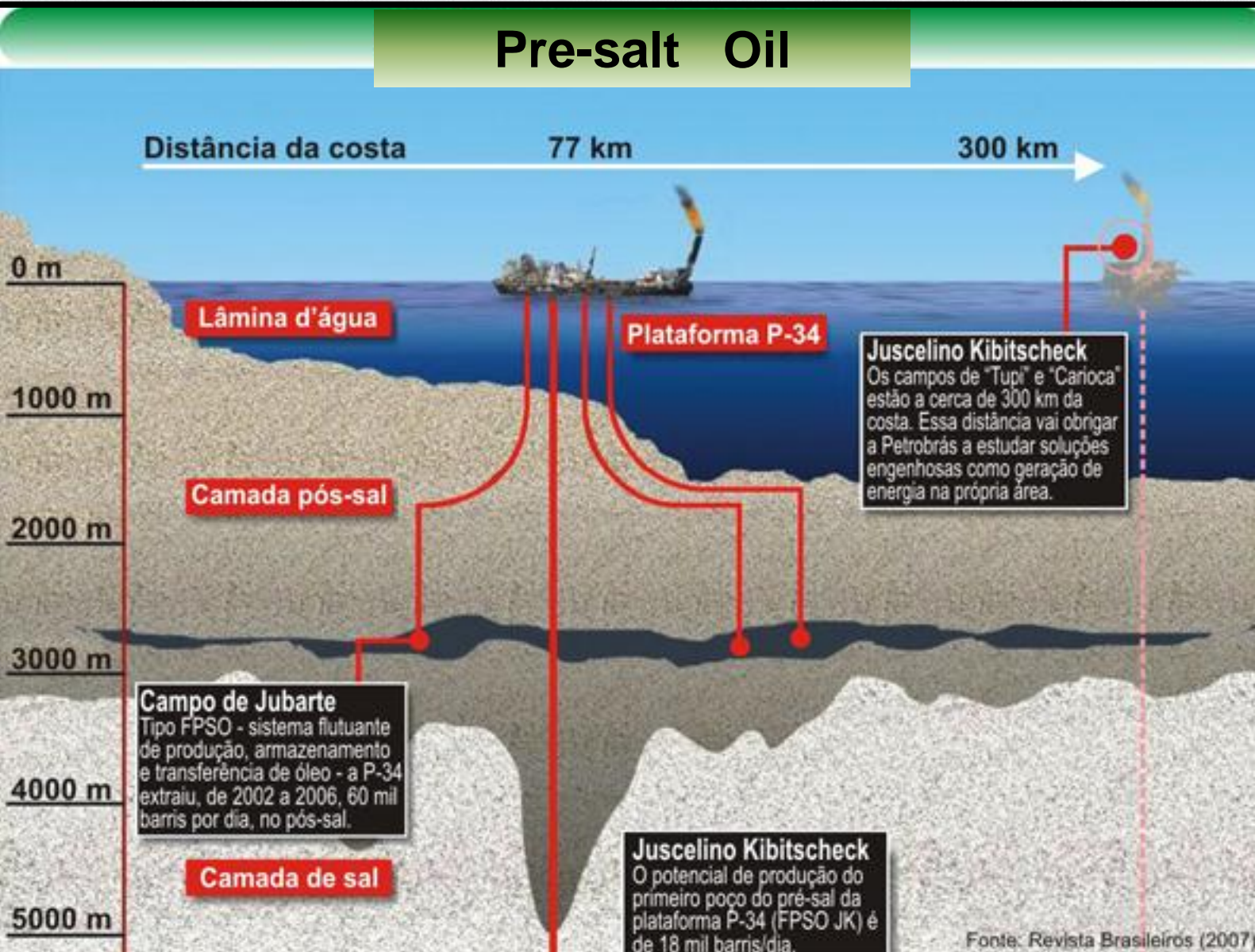


EXPECTATIVA DE VIDA

(em anos)



Pre-salt Oil





Major Export Products



- Major export products: aircraft, electrical equipment, automobiles, ethanol, textiles, footwear, iron ore, steel, coffee, orange juice, soybeans and corned beef.

Renewable Energy Sources



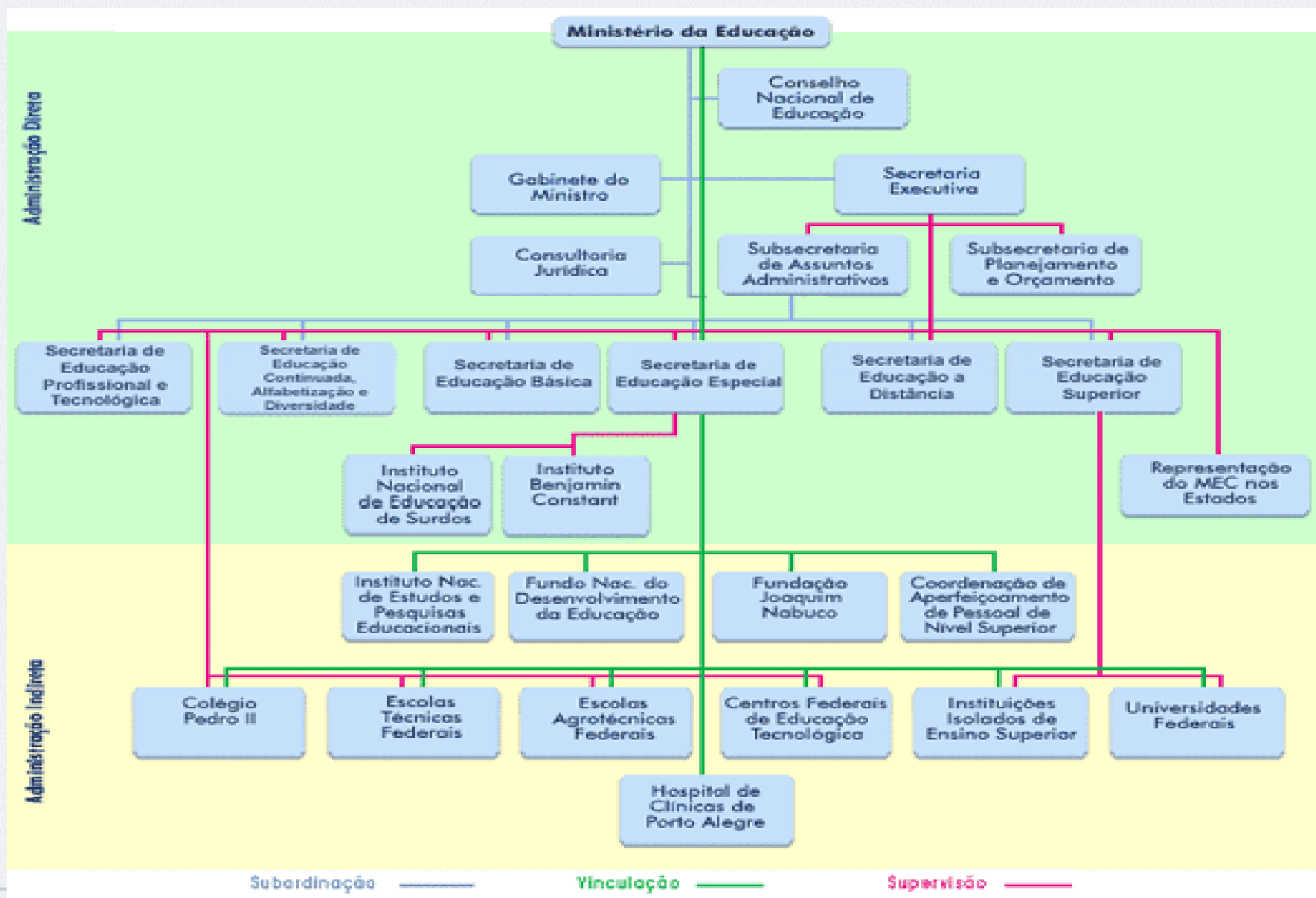
Ethanol, biodiesel, wind energy, solar energy, energy of the seas and hydraulics.



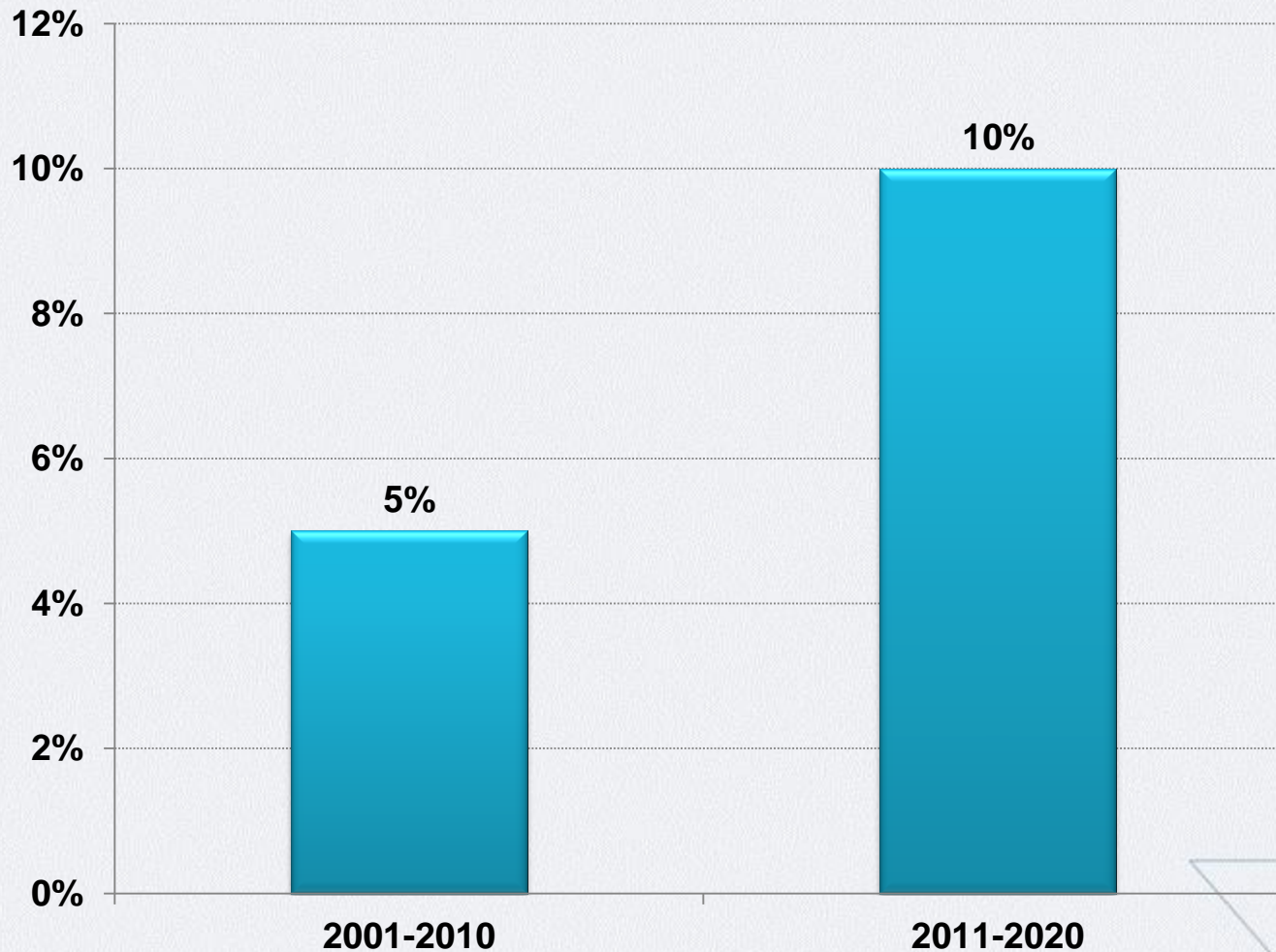
BRAZILIAN EDUCATION SYSTEM



Ministry of Education - MEC



Public Investment in Brazilian Education / GDP (%)



Basic Education in Brazil- 2011

Education		Enrollment		Teachers	
Basic Education	Early Childhood Education	Nurseries (under 2 years old)	2.298.707		163.148
		Preschool	4.681.345		265.000
		Sub-total	6.980.052	14,94%	408.739
	Elementary Education	I - early years	16.360.770		724.541
		II -final years	13.997.870		793.889
		Sub-total	30.358.640	64,96%	1.518.430
	High School	Professional Education	993.187		68.200
		High School	8.400.689		488.527
		Sub-total	9.393.876	20,10%	556.727
	Total:		46.732.568	100,00%	2.483.896

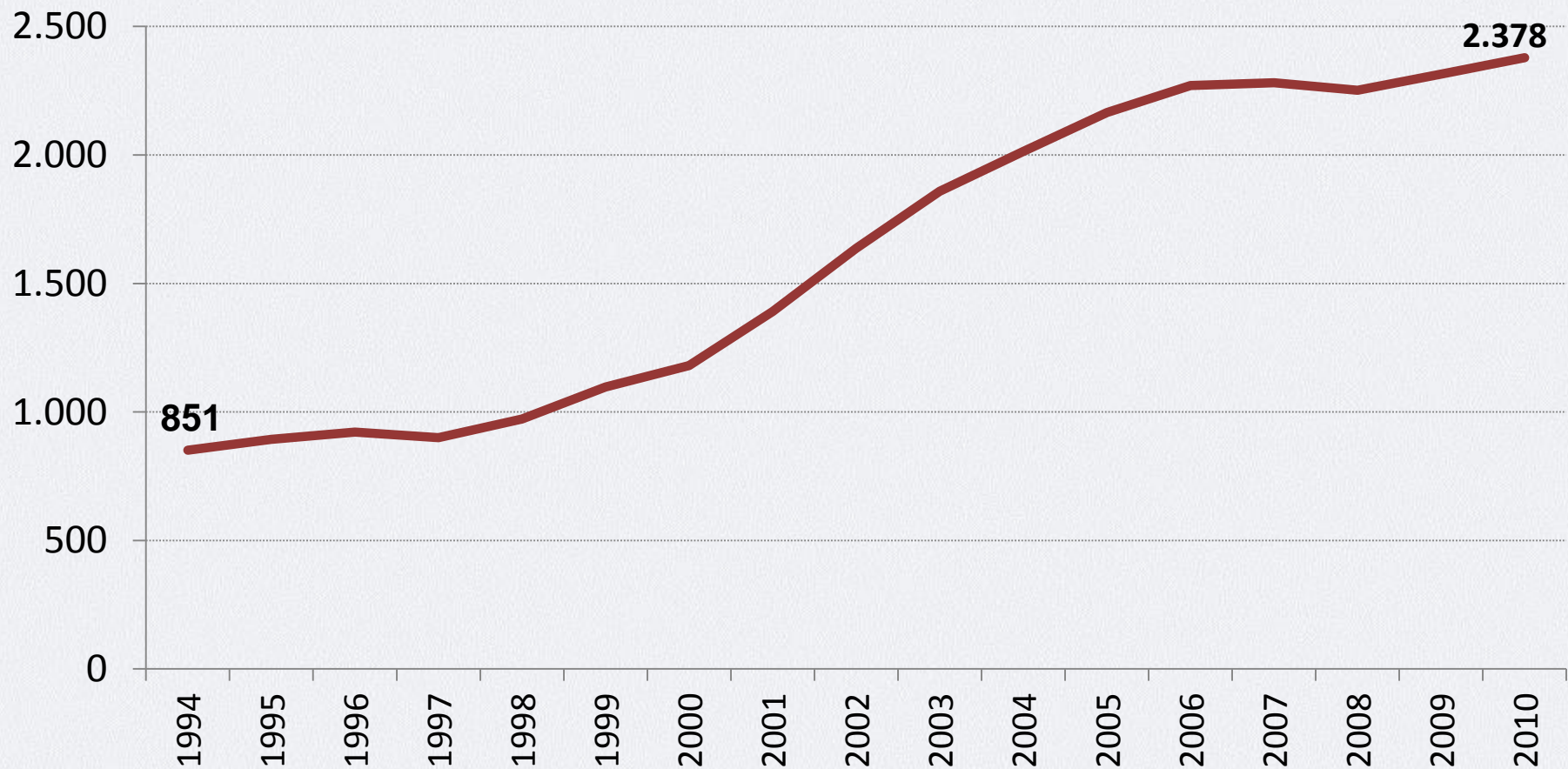


Higher Education in Brazil

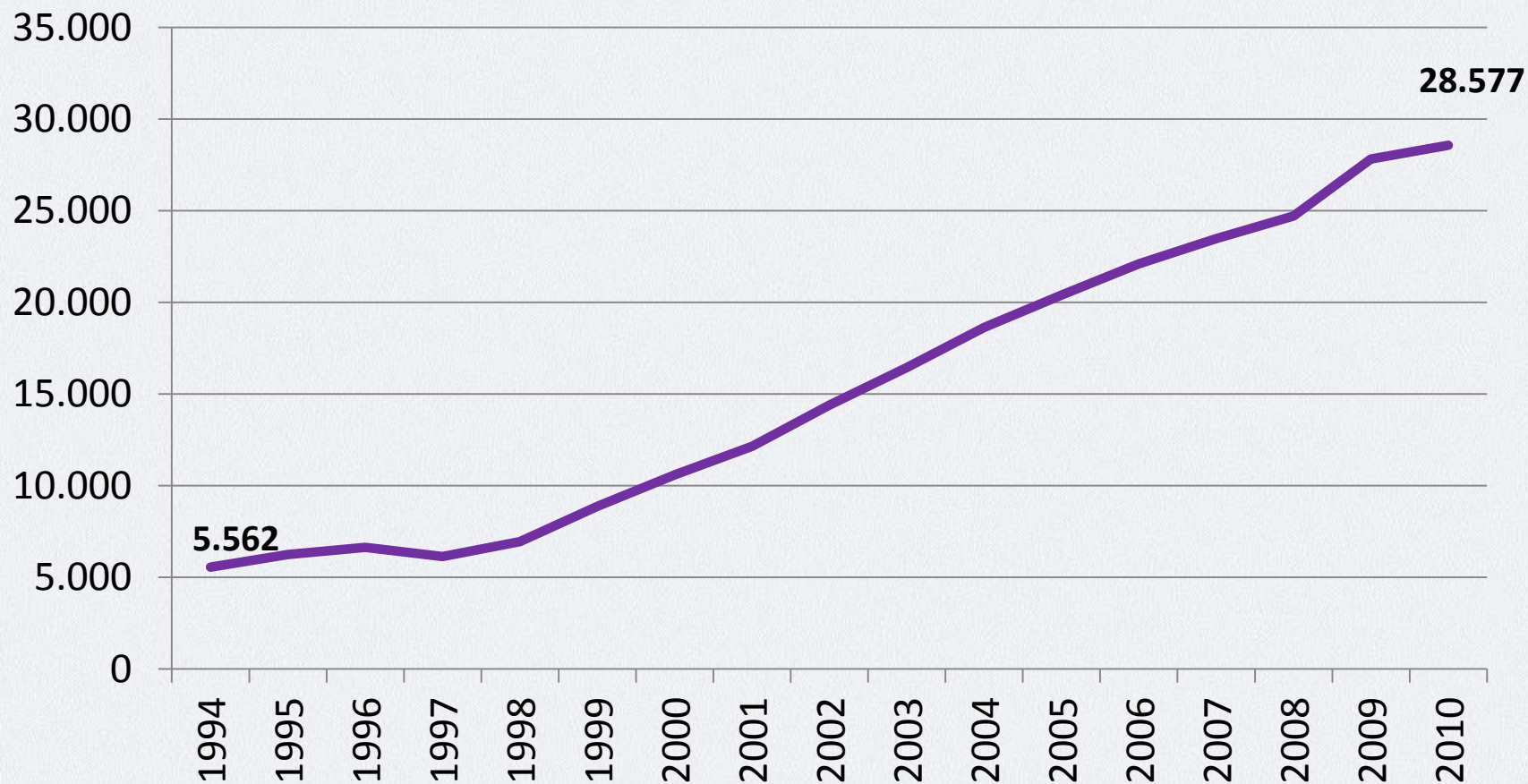
Ano: 2010			Matrículas
Higher Education	Undergraduate	Presential	5.449.120
		Technological	545.844
		à Distance	930.179
		Sequential	27.693
	Graduate- <i>Lato Sensu</i>	Presential (courses = 9.801)	≈ 3.000.000
		Distance (courses = 66)	
	Graduate - <i>Stricto Sensu</i> 2010	Master `s Degree	139.063
		Doctorate	72.078
		Professional Masters	14.982



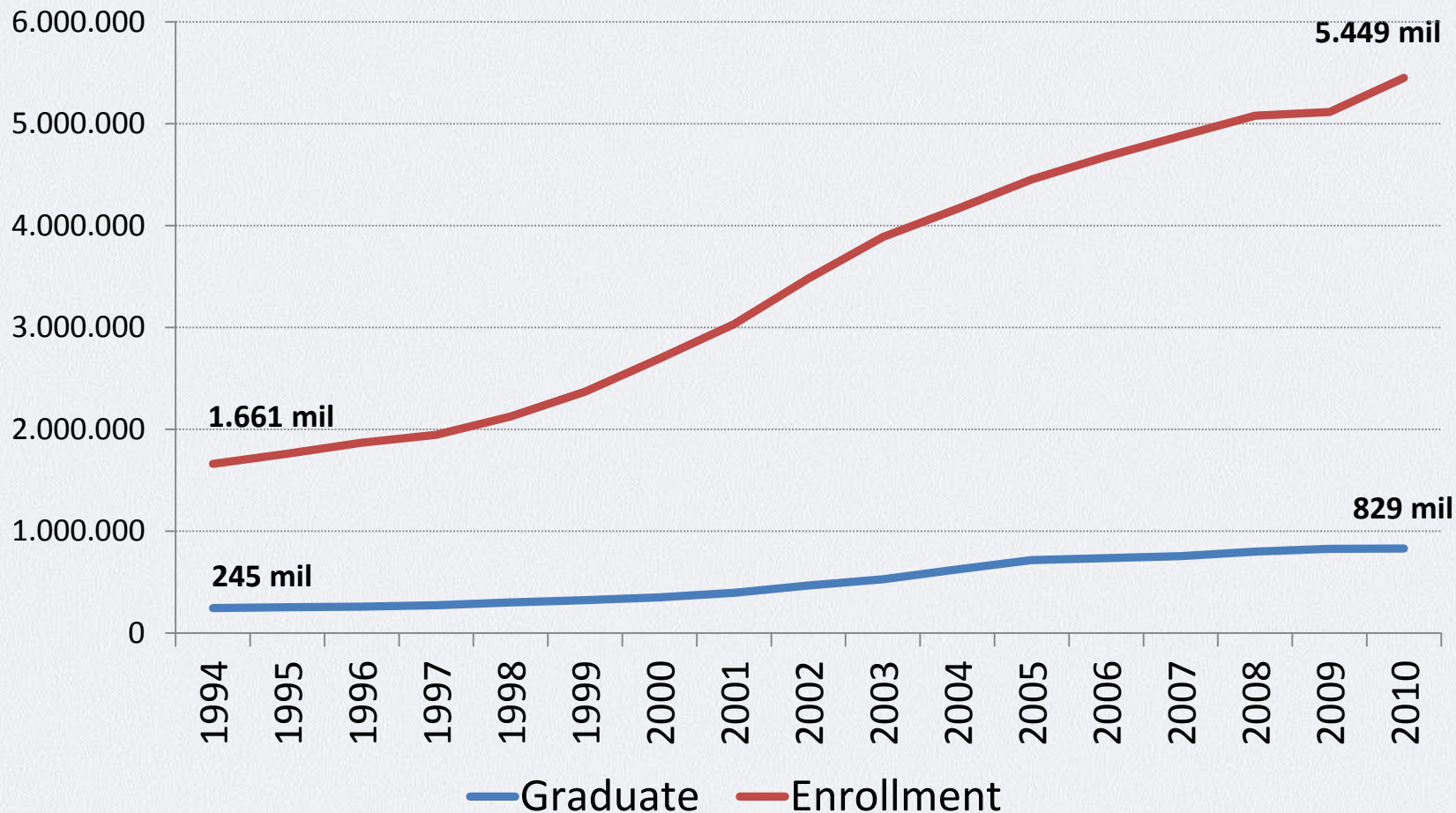
Higher Education Institutions Presential



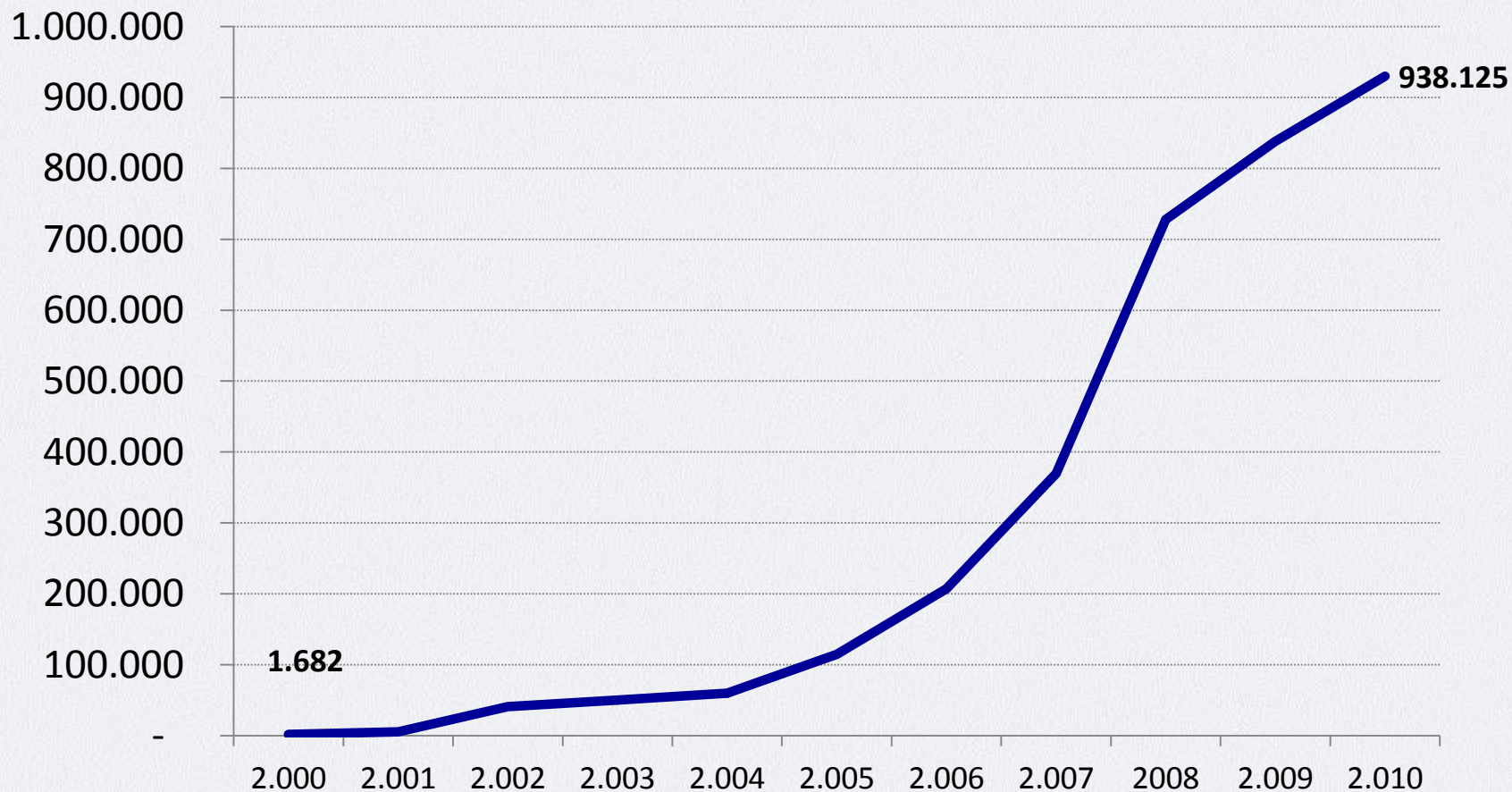
Higher Education Courses Presential



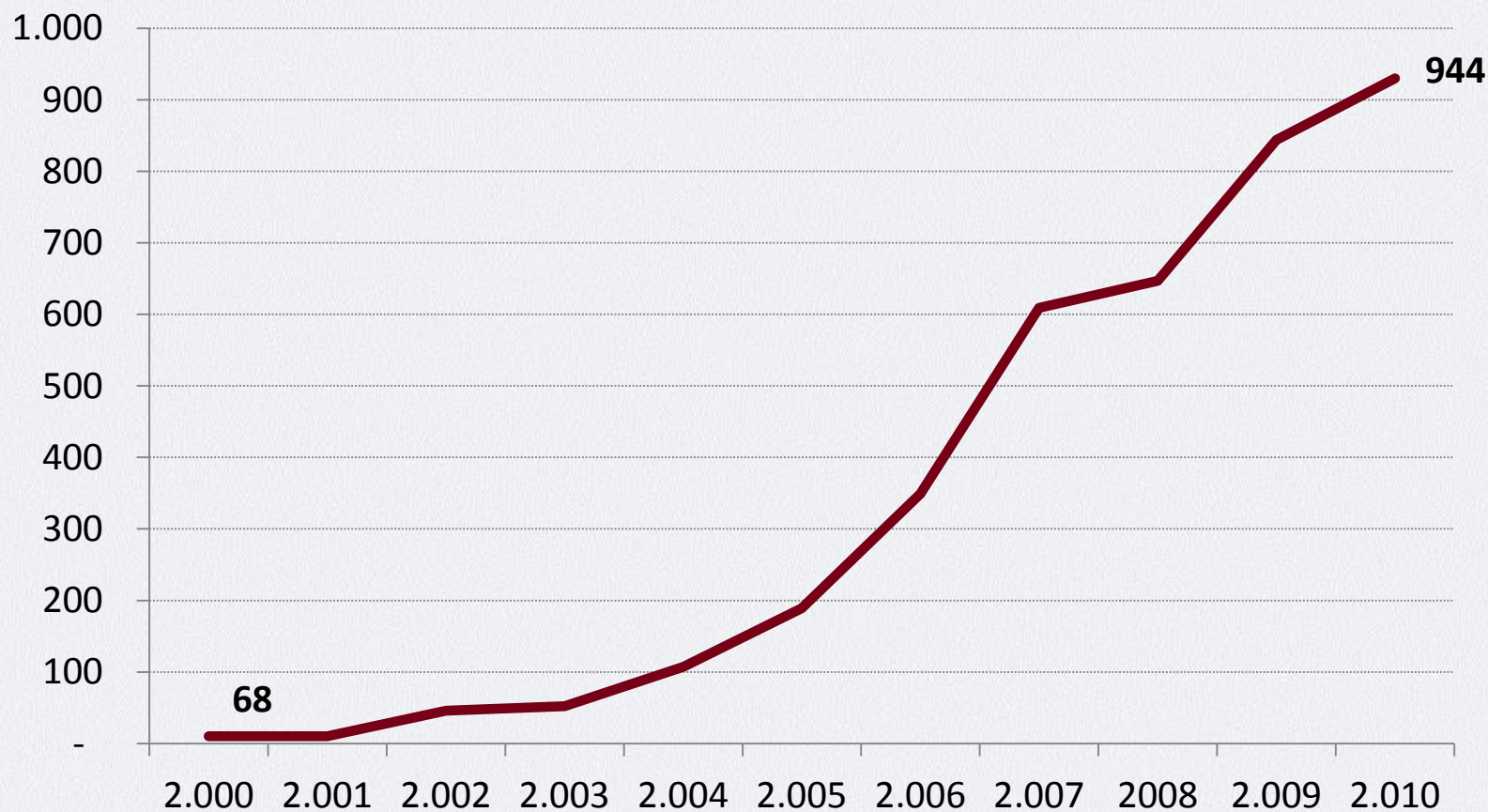
Enrollment and Graduate Higher Education - Presential



Enrollment Distance Education



Courses Higher Education Distance Education



SINAES

National System of Higher Education Evaluation

Indicators

Mission

**Institutional
Development Plan**

Evaluation - Undergraduate

Self-Evaluation

Evaluation
Peers
(*in loco*)

Students Evaluation -
ENADE

Evaluation (Capes) – Graduate

General Index of Courses (IGC)

Instruments and Regulation

	External Evaluation <i>in loco</i>	Self Evaluation CPA	ENADE
Institutional			
Accreditation	x		
Reaccreditation	x	x	x
Courses			
Authorization	x		
Recognition	x	x	x
Renewal of Recognition	x	x	x

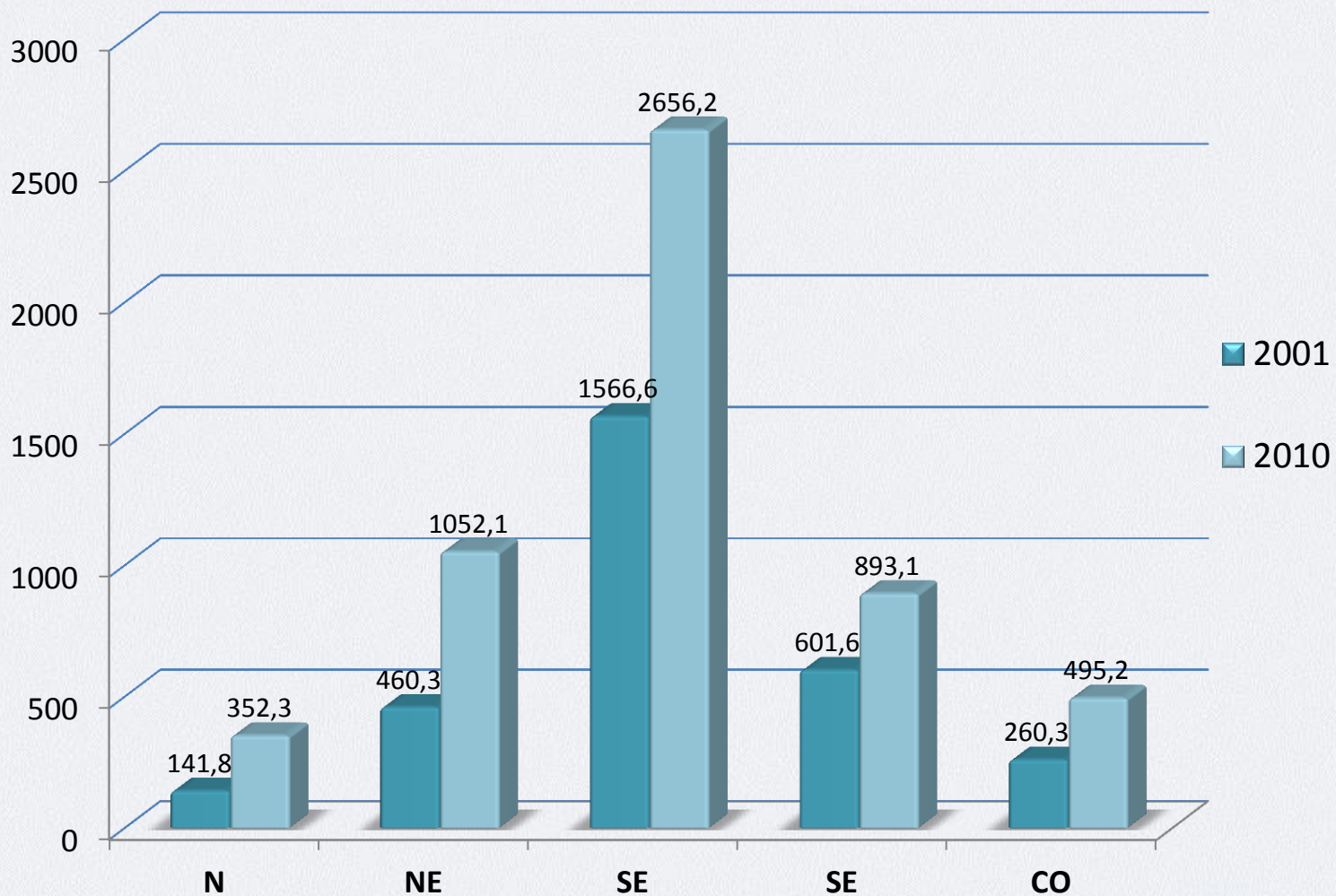
Internal Evaluation

Own Evaluation Committee – CPA

- The work of the CPA is the starting point of the process that constitute the evaluation system of higher education.
- **Aims to:**
 - ✓ improve educational quality and
 - ✓ achieve greater social relevance.



Enrollment of Higher Education 2001 e 2010

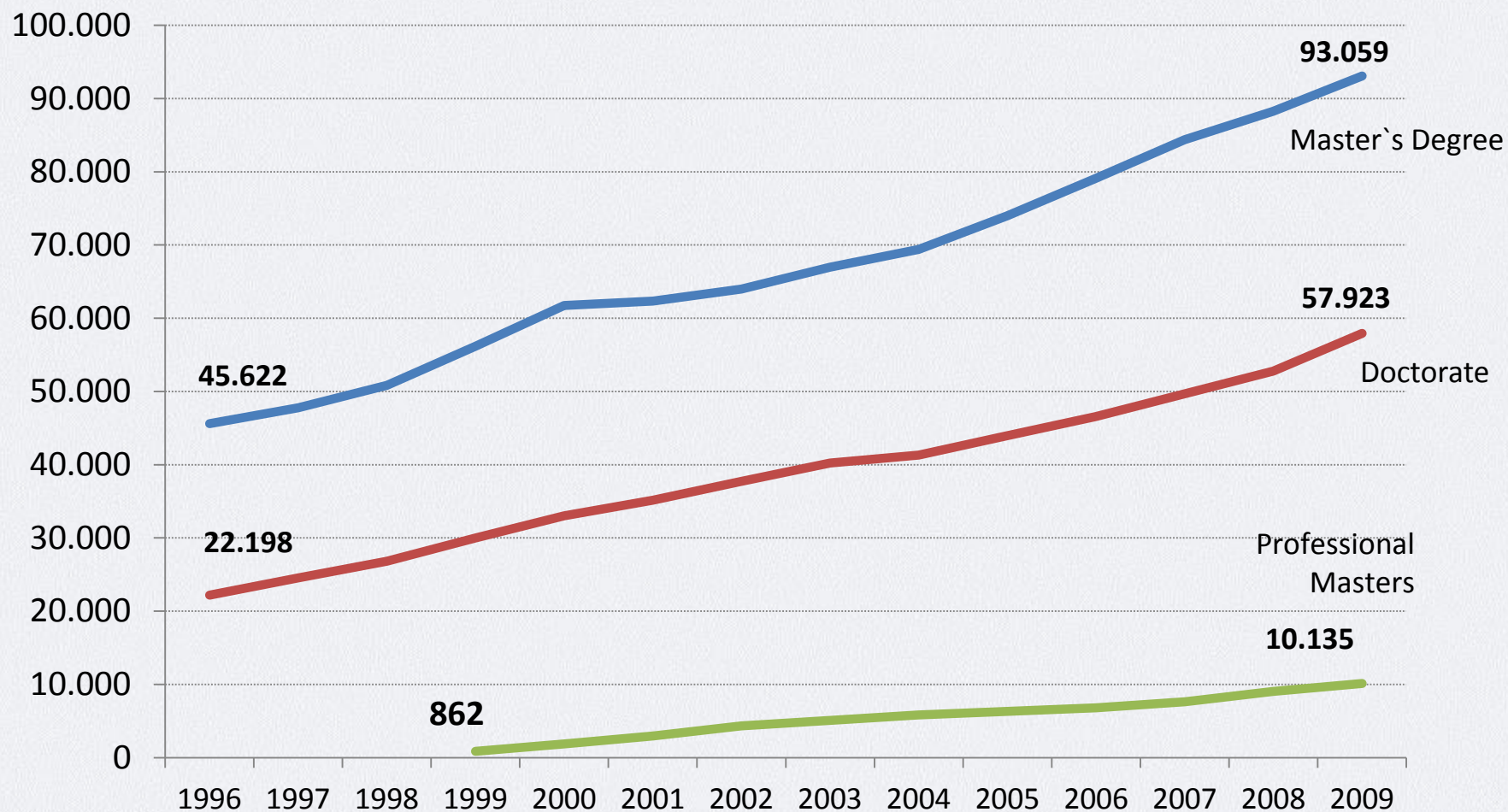


Fonte: MEC/Inep 2010

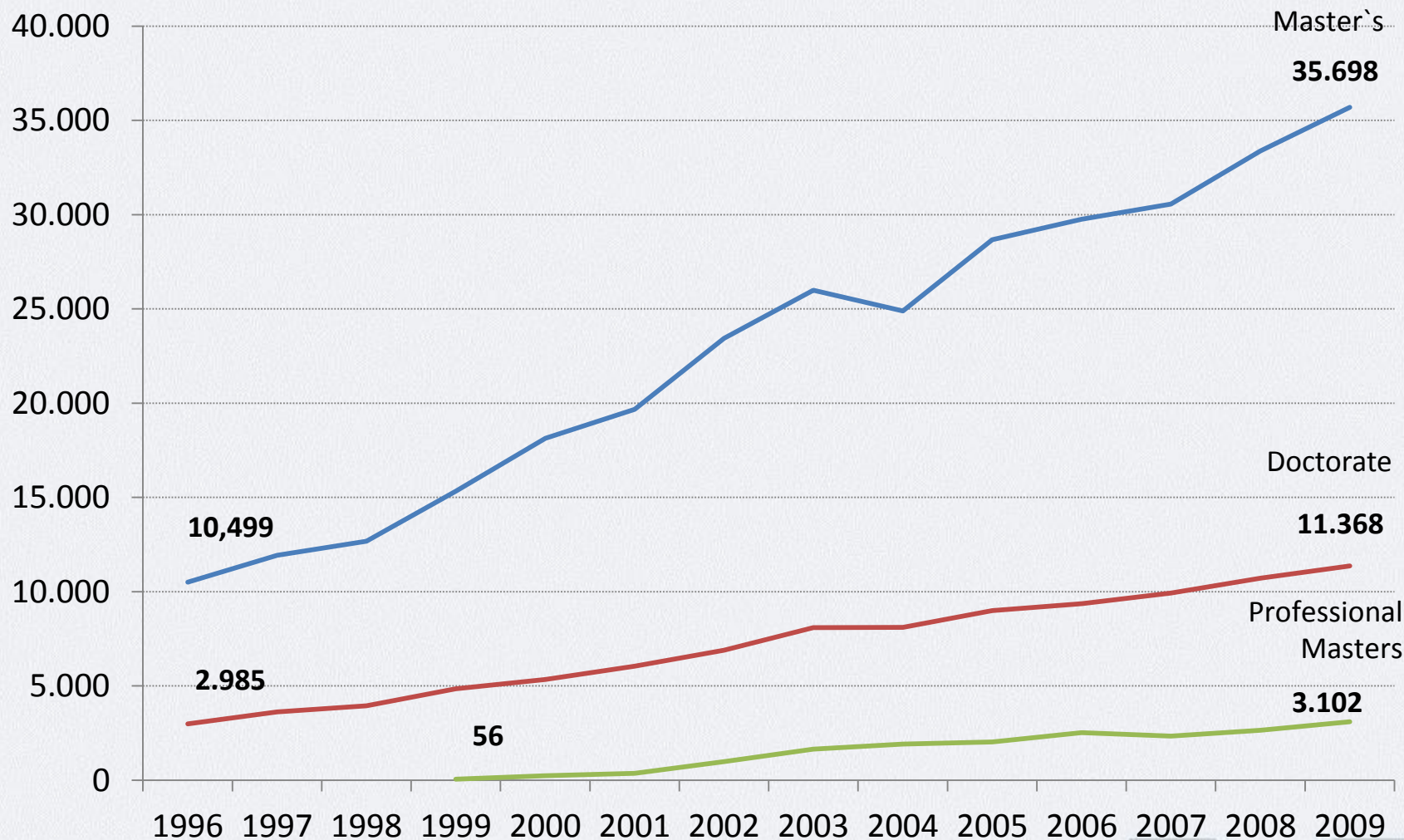
Graduate



Graduate Enrollments

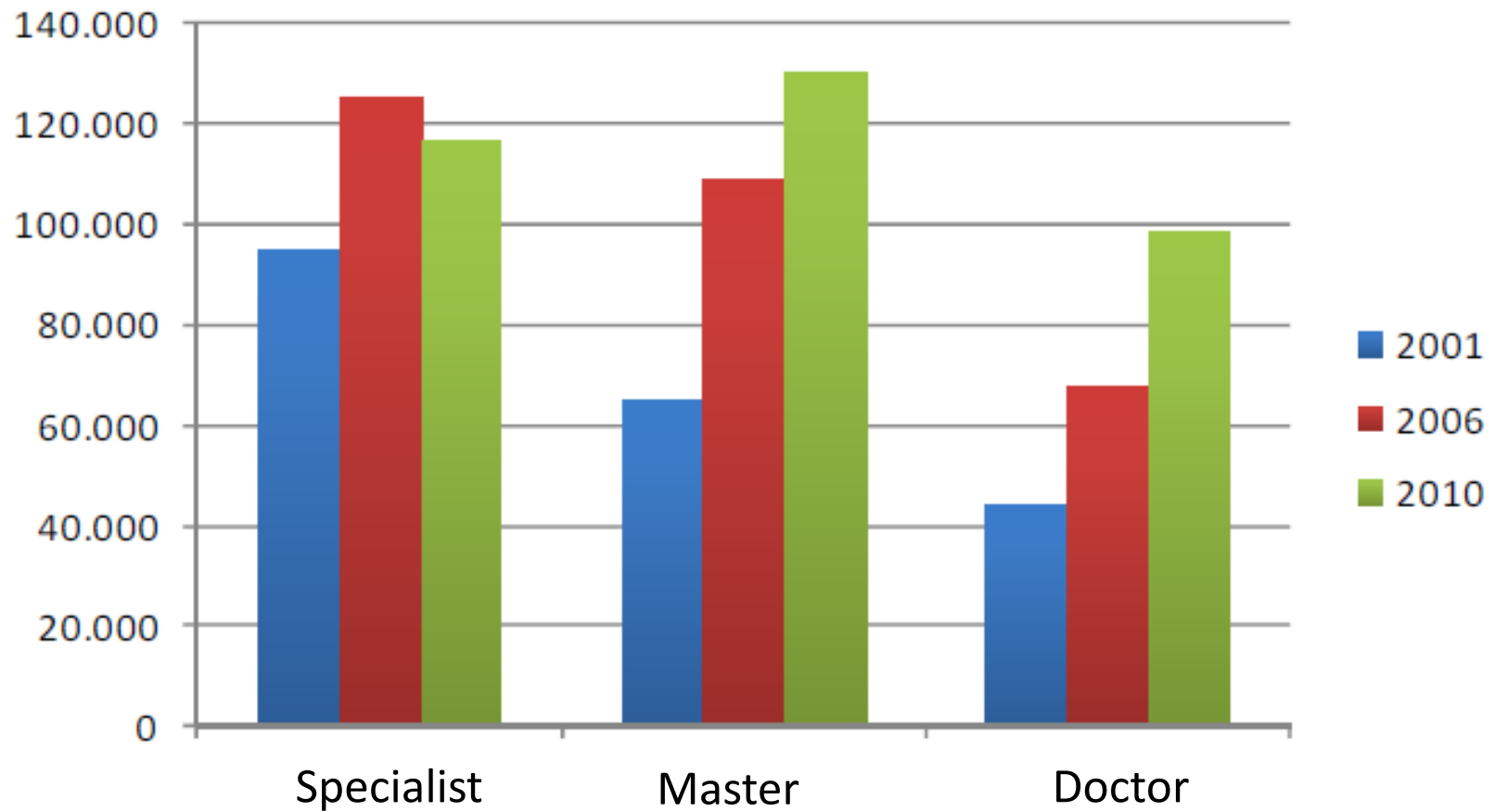


Postgraduate Graduation

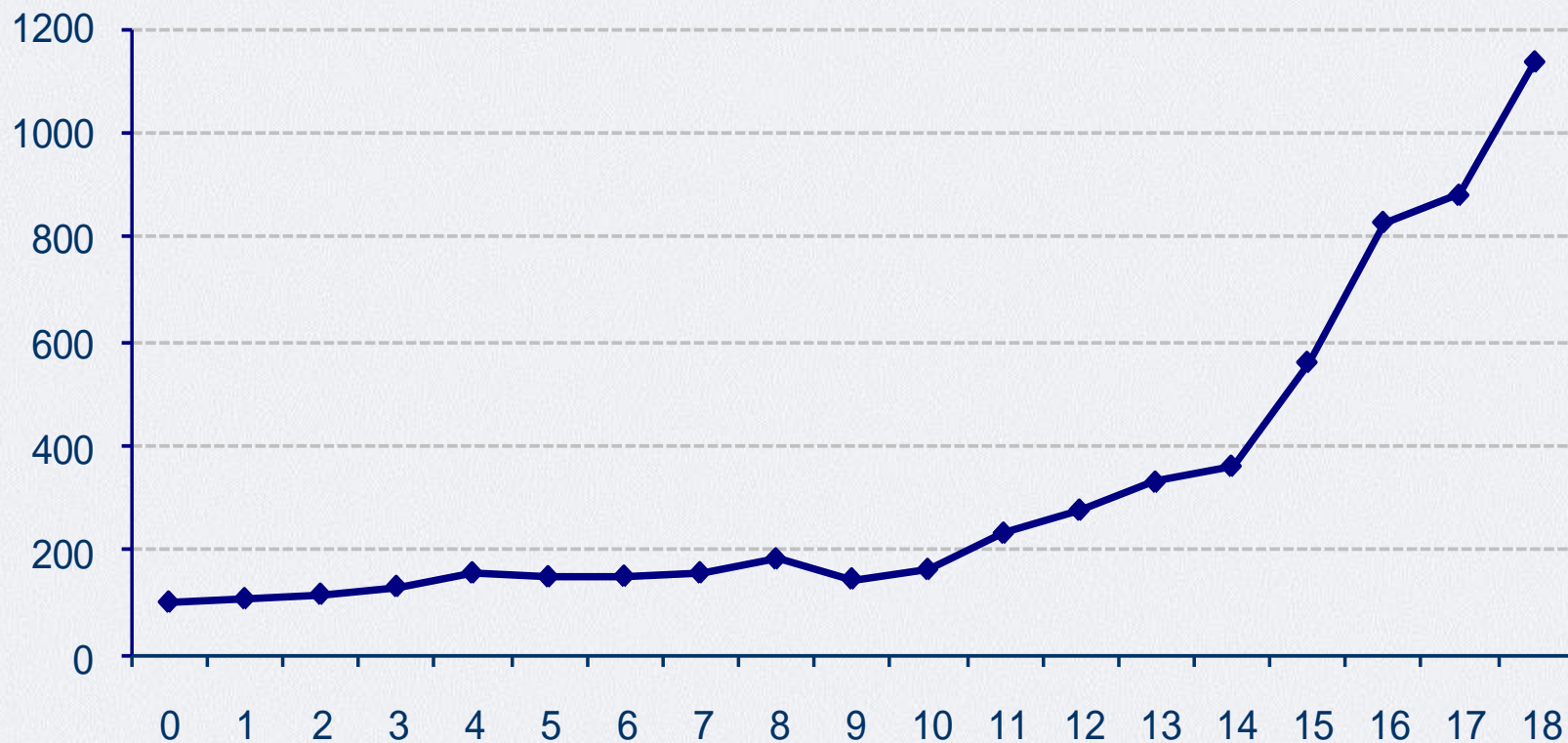


Faculty

2001- 2006-2010



Award for Education



Source: FGV/CPS



Opportunities for Cooperation





Original Forests Existing

(1.000 KM2)

	Floresta Original 8000 B.P.	%	Presente	% Florestas Primárias em relação a original
África	6.799	100,0	527	7,8
Ásia	15.132	100,0	844	5,6
América do Norte	10.877	100,0	3.737	34,4
América Central	1.779	100,0	172	9,7
América do Sul	11.709	100,0	6.412	54,8
Rússia	11.759	100,0	3.448	29,3
Europa	4.690	100,0	14	0,3
Oceania	1.431	100,0	319	22,3
Mundo	64.176	100,0	15.473	24,1
Brasil	6.304	100,0	4.378	69,4

Number of Doctors /1.000 inhabitants - 2008

Country	Doctors / 1.000 inhabitants *
Switzerland	23,0
Germany	15,4
USA	8,4
Canada	6,5
Australia	5,9
Brazil	1,4
Argentina	0,2

* considering the population aged 25 to 64 years

➤ 66% Masters and doctors work primarily in universities; **26% in companies.**

➤ In **Korea, Japan and the United States** the reverse is true and this number does not exceed 7% of researchers working in universities, with around **70% in companies** (INOVA, 2006).



Researchers / 1.000 inhabitants.

- **Brazil - 0,5**
- **Korea - 4**
- **Japan and the United States - 5**
(10 times greater than Brazil)



Goals

- **Doubling** the current number of doctors per thousand inhabitants within the said period of 10 years.
- Assuming that the population in **2020** is 200 million inhabitants, would be necessary to form in the meantime about **130.000 new doctors**.
- What is the current capacity within the training of doctors in post-graduate courses, budgeting maintained growth in recent years.



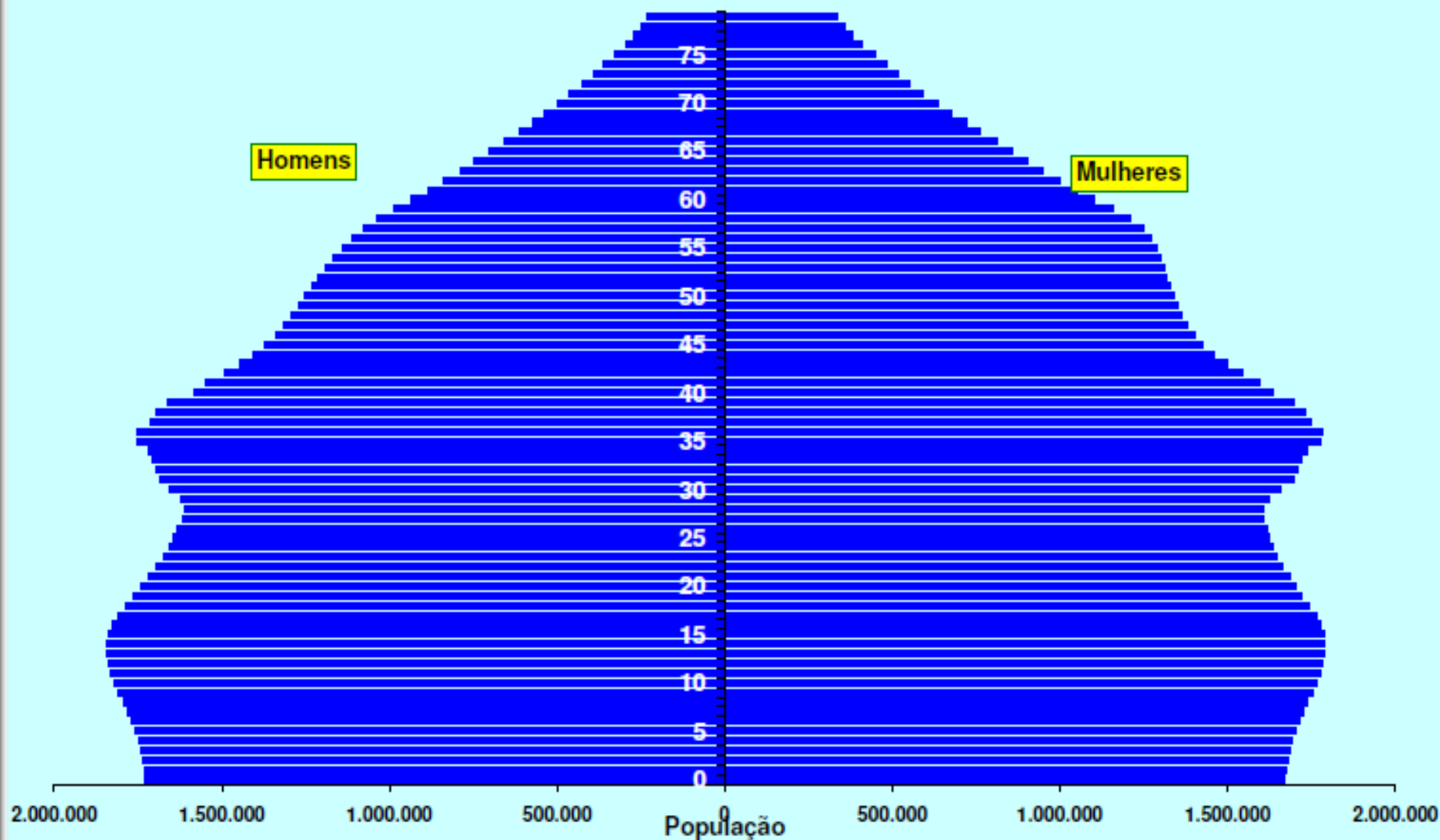
Projected growth in the number of doctors in Brazil and comparison with other countries

Ano	Number of doctors trained / year	Doctors /1.000 inhabitants - Brazil	Growth over 2010
2010	11.974	2,26	
2013	13.962	2,74	21%
2020	28.987	4,54	101%
2024	44.005	6,34	180%
2027	60.182	8,26	265%
2033	112.566	14,5	541%
2038	189.680	23,77	951%

BRASIL: Pirâmide etária absoluta
Brasil - 2020

Homens

Mulheres



Opportunities

- National and international educational groups are confident in increasing enrollment in Brazil due to rising incomes and demand for qualified professionals.
- Opening new opportunities in different sectors such as: information technology, communication technology, energy, agriculture, shipbuilding, construction and management of infrastructure (ports, airports, railways, inland waterways, roads, tourism).
- New middle class

