



# Brazil and CDM

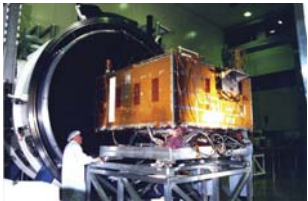
## National Framework, Current Status and Future Perspective

São Paulo, 12 November, 2008

**Newton Paciornik**

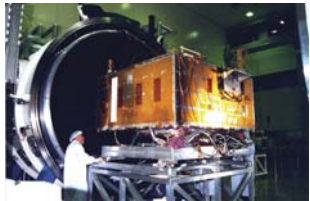
**Ministry of Science and Technology**

**Interministerial Commission on Global Climate  
Change**



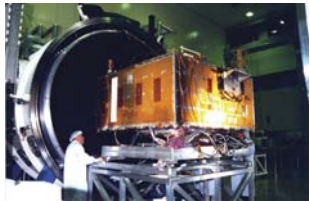
# CDM

- Based on the proposal by Brazil in 1997 of a Clean Development Fund, adopted by the G77 and China and adopted in Kyoto, modified as a mechanism,
- Brazil was the first country to assign a DNA
- A Brazilian project methodology was one of the first approved by the EB (Landfill – Salvador da Bahia)
- A Brazilian project was the first CDM project registered (Nova Gerar)



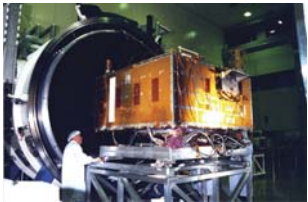
# National DNA Framework

- Interministerial Commission on Global Climate Change as DNA
  - Composed of representatives from 11 Ministries
  - Chair Minister of Science and Technology MCT
    - Exec. Sec. – MCT
  - Vice-chair Minister of Environment MMA
- Commission meets every 2 months
- Presidential Decree July 1999



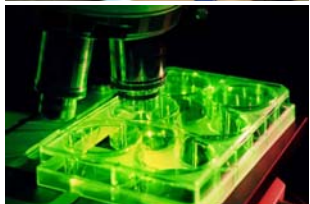
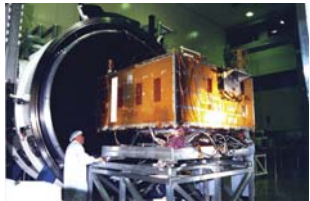
# Commission Representatives

- Ministry of Agriculture, Livestock and Supply;
- Ministry of Transportation;
- Ministry of Mines and Energy;
- Ministry of Environment;
- Ministry of Development, Industry and Trade;
- Ministry of Cities;
- Ministry of External Relations;
- Ministry of Science and Technology;
- Ministry of Planning, Budget e Management;
- Ministry of Economy
- Civil House of the Republic's Presidency;



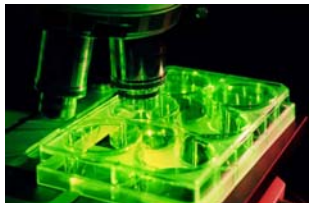
# Attributions

- ✦ provide a statement, whenever requested, on proposals for sectoral policies, legal instruments and norms that contain a relevant component for the mitigation of global climate change and the country's adaptation to its impacts;
- ✦ provide inputs on the Government's positions in the negotiations under the United Nations Framework Convention on Climate Change and subsidiary instruments of which Brazil takes part;
- ✦ establish agreements with representative entities of the civil society, in order to promote actions by the governmental and private bodies with a view of meeting the commitments accepted by Brazil under the United Nations Framework Convention on Climate Change and subsidiary instruments of which Brazil is part;



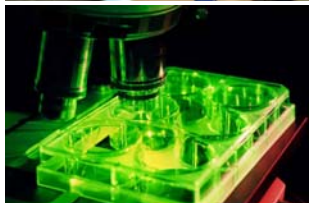
# Attributions

- ✦ to define eligibility criteria additional to those considered by the Bodies of the Convention in charge of the Clean Development Mechanism (CDM), as provided for in Article 12 of the Kyoto Protocol to the United Nations Framework Convention on Climate Change, pursuant to national sustainable development strategies;
- ✦ to analyse statements on projects that result in emission reduction and that are considered eligible to the Clean Development Mechanism (CDM), as referred to in the previous item, and approve them, when appropriate;



# Resolution no 1 – Sep 11, 2003

- Procedures for project activity submission and approval
  - Description of how the project assists Brazil to achieve sustainable development (Annex III):
    - Contribution to local environmental sustainability;
    - Contribution to labor conditions development and net employment creation;
    - Contribution to income distribution;
    - Contribution to capacity building and technological development;
    - Contribution to regional integration and sectoral relationship;
  - Invitation to following stakeholders is mandatory:
    - Municipality, Municipal and State Representatives;
    - Union, State and Local Environment Agencies;
    - Brazilian Forum of NGO's and Social Movements;
    - Community Associations and National Entities;
    - Public Attorney;
  - Deadline for approval: 60 days after first meeting of the Commission subsequent to the submission of documents.



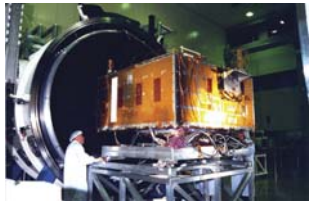
# Resolution no 2 – Aug 10, 2005

- Procedures for Afforestation & Reforestation projects

- Incorporation of Decision 19/CP.9 and 14/CP.10 and PDD of CDM/EB under national legislation

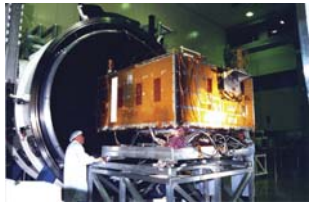
- Definition of forest for Brazilian conditions

- Minimum tree crown cover (30%),
- Minimum land area (1 ha), and
- Minimum tree height (5m)

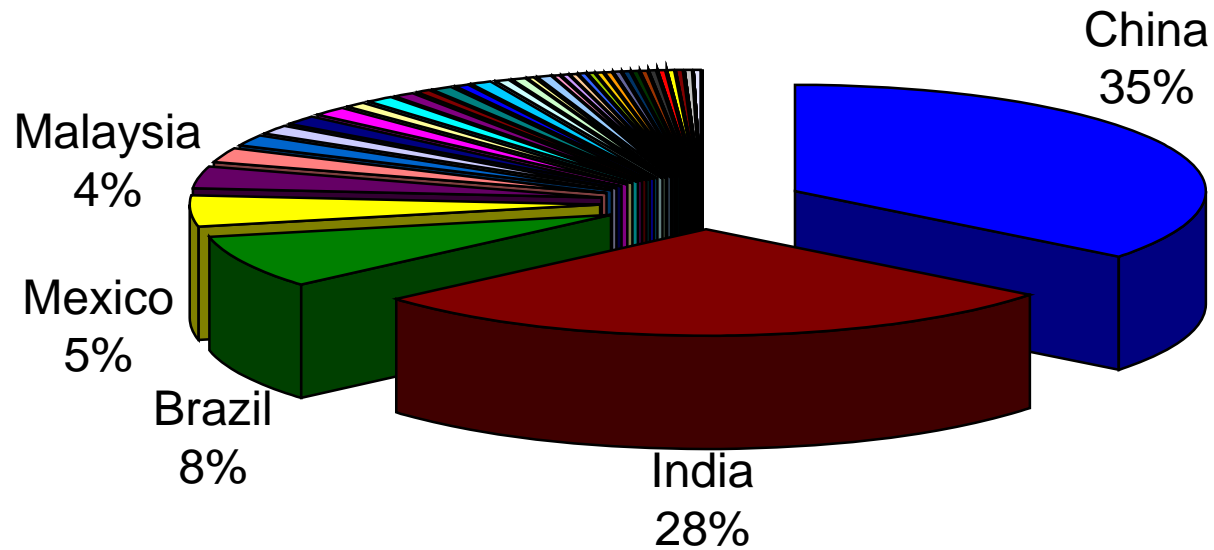




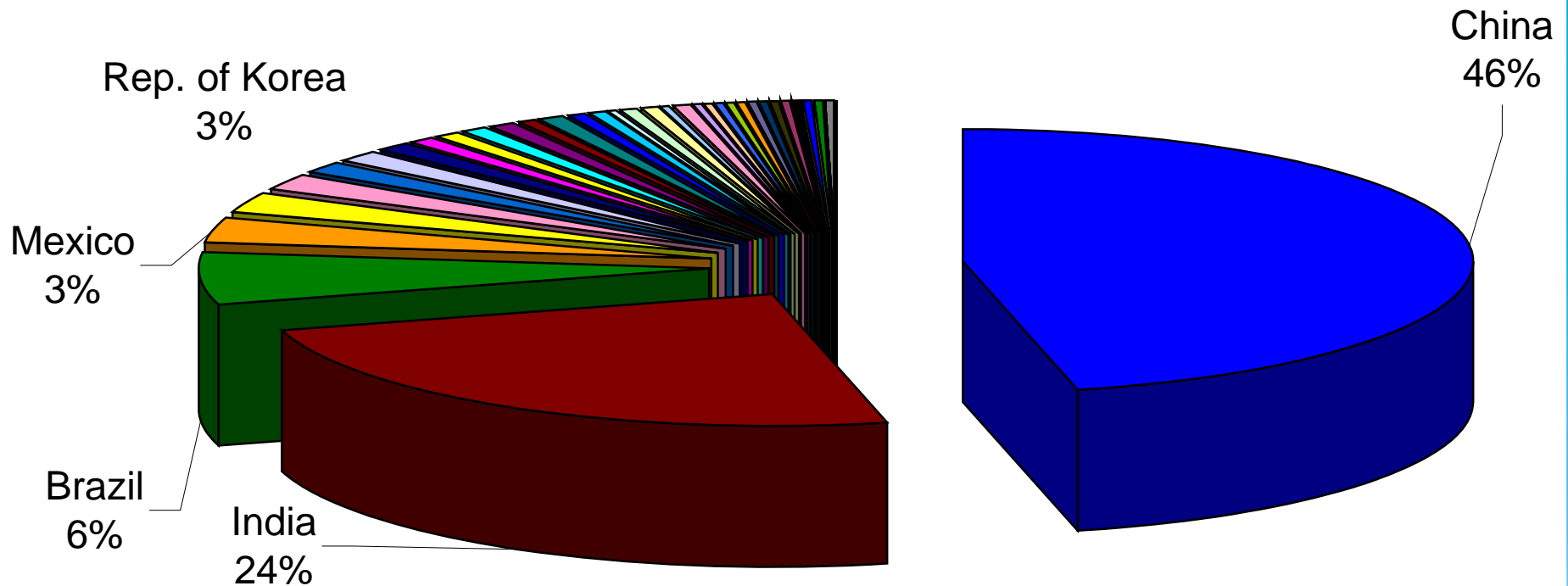
- Resolution no 3 – Mar 24, 2006
  - Low-income communities (small-scale afforestation and reforestation project): members involved have a per capita monthly household income of up to half a minimum wage.
- Resolution no 4 – Dec 6, 2006
  - In case of new information is presented about illegalities or acts contrary to the public interest, the Commission may cancel or revoke the said letter of approval.
- Resolution no 5 – Apr 11, 2007
  - Modify definitions for Small Scale Project Activities and for deadlines to submit documentation.
- Resolution no 6 – Jun 6, 2007
  - Incorporate the version no 3 of the PDD.
- Resolution no 7 – Mar 5, 2008
  - Disposes on mandatory invitation to stakeholders comments.
- Resolution no 8 – May 26, 2008
  - Emission Factor for the Electrical Grid – One Integrated System



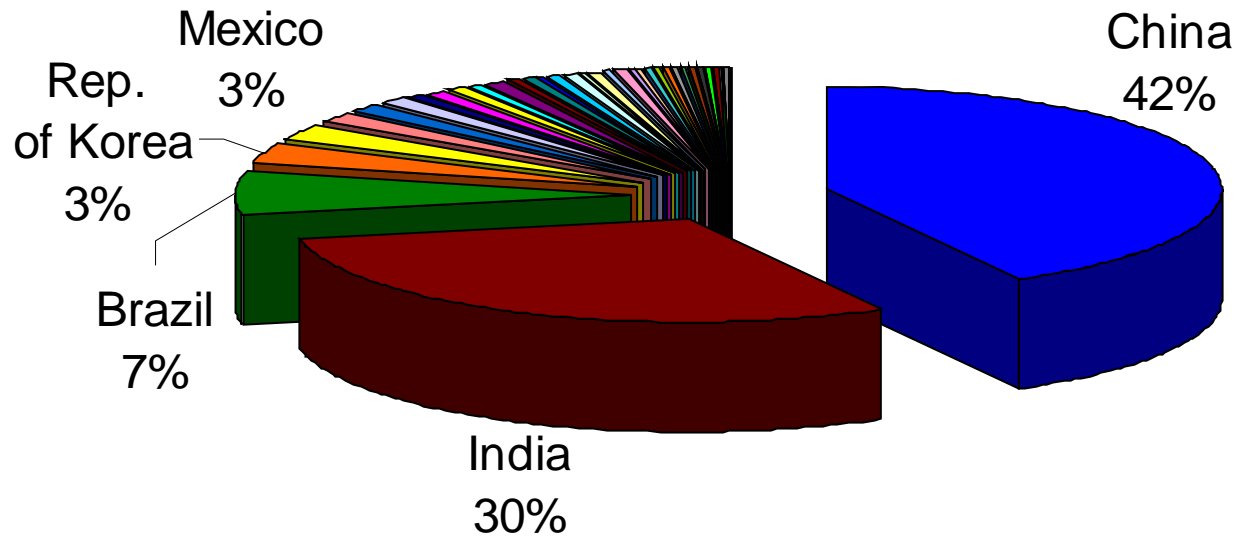
## Total of CDM Project Activities in the World 3981



## Reduced Emission on the First Crediting Period (4,972 millions t CO<sub>2</sub>eq)

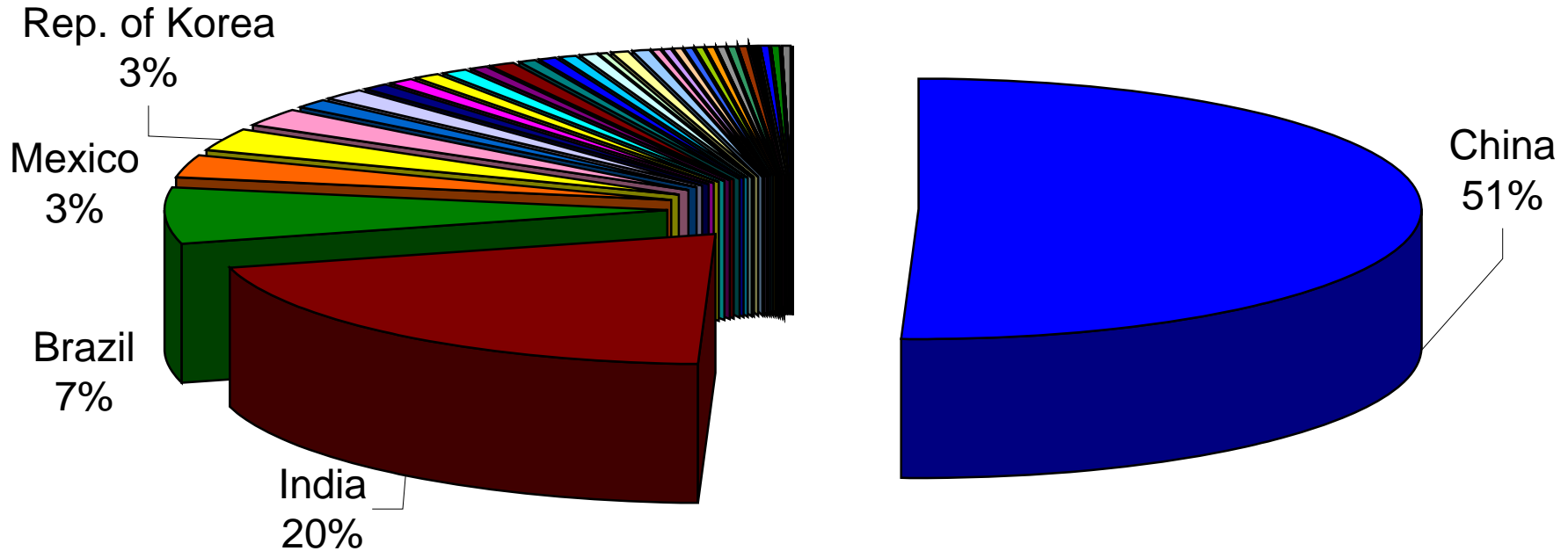


## Emissions Reduction since the Start of Crediting Period until 31 December 2012 (3,577 millions t CO<sub>2</sub>eq)



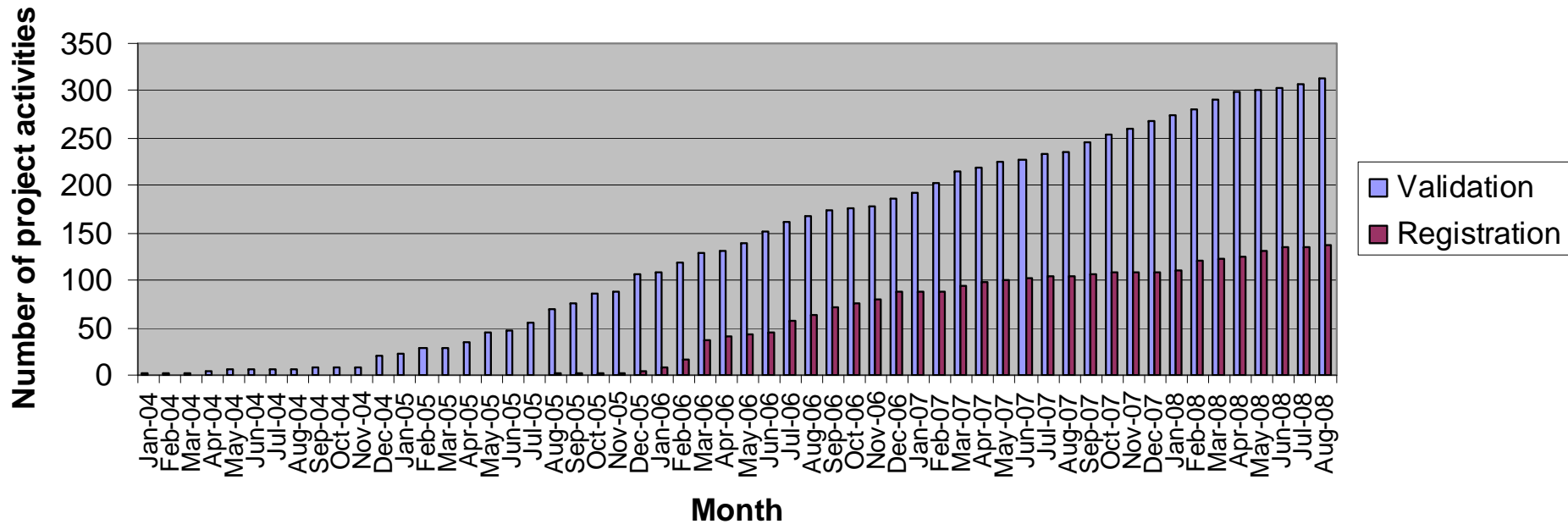
30/9/08

## Annual Emission Reduction (608 millions t CO<sub>2</sub>eq)



30/9/08

## Number of CDM Project Activities in Brazil



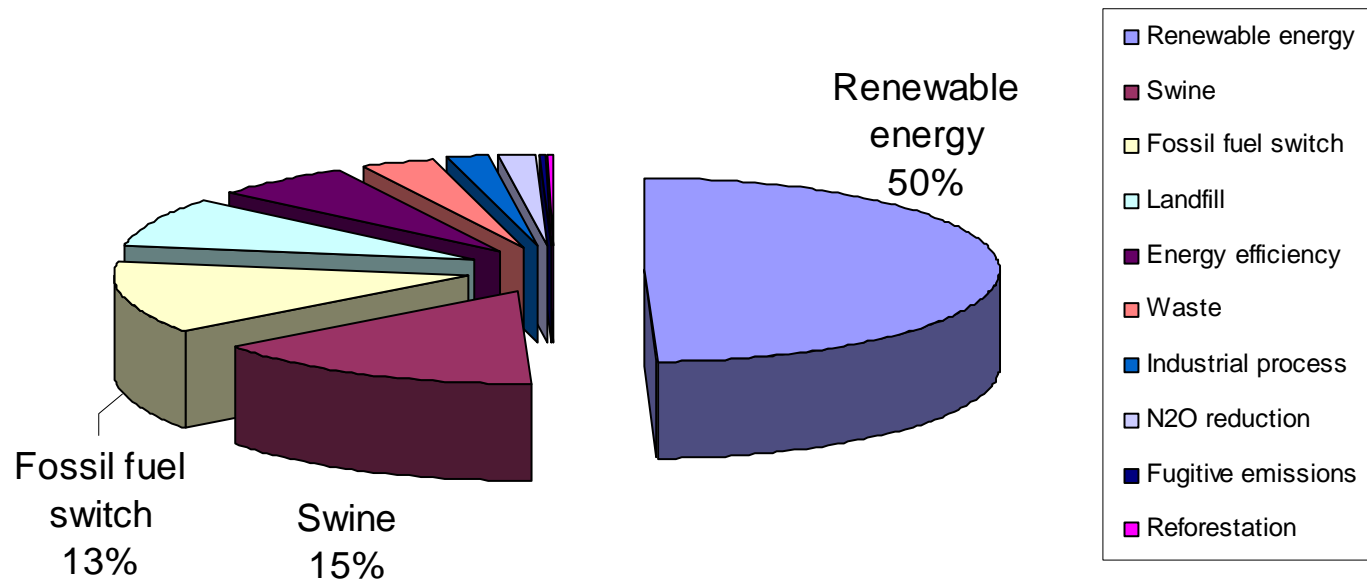
CDM projects in Brazil		
Number of projects	318	
Country position - number of projects	3rd in the world	
Amount of tCO <sub>2</sub> e to be reduced	annual	42,268,064
	1 <sup>o</sup> crediting period	322,005,702
	starting date until 31/dec/2012	246,915,061
Country position - tCO <sub>2</sub> e to be reduced	annual	3 <sup>o</sup> in the world
	1 <sup>o</sup> crediting period	3 <sup>o</sup> in the world
Gases	CO <sub>2</sub>	208
	CH <sub>4</sub>	103
	N <sub>2</sub> O	4
	SF <sub>6</sub>	1
	PFC	2
Sectoral Scope	Renew able energy	150
	Landfill	29
	Sw ine	55
	Energy efficiency	21
	Waste	10
	Industrial process	7
	N <sub>2</sub> O reduction	5
	Fossil fuel sw itch	39
	Reforestation	1
Fugitive emissions	1	

## Sectoral Scope of Brazilian Projects

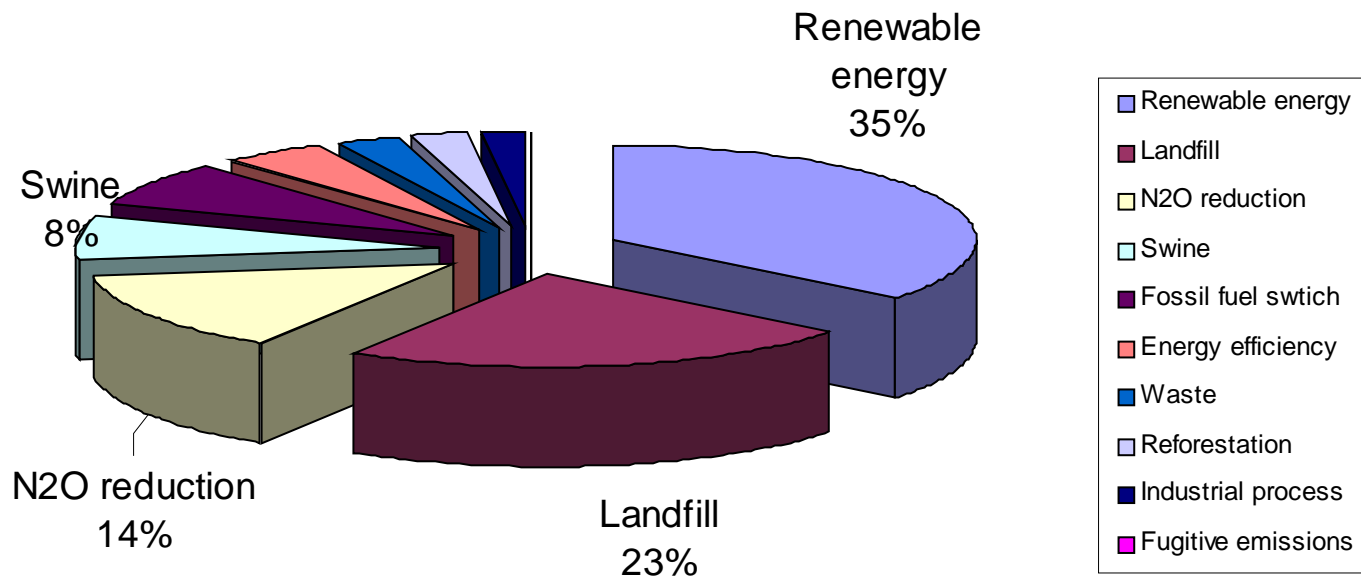
Projects under Validation/Approval Process	Number of projects	Annual emission reduction	Emission reductions on the 1st crediting period	Number of projects	Annual emission reduction	Emission reductions on the 1st crediting period
Renewable energy	150	16,431,099	115,440,422	47%	39%	36%
Swine	55	2,737,322	25,667,400	17%	6%	8%
Landfill	29	10,036,702	73,855,179	9%	24%	23%
Industrial process	7	832,946	6,131,592	2%	2%	2%
Energy efficiency	21	1,490,288	14,535,192	7%	4%	5%
Waste	10	1,160,797	9,360,545	3%	3%	3%
N2O reduction	5	6,373,896	44,617,272	2%	15%	14%
Fossil fuel switch	39	2,907,977	24,284,745	12%	7%	8%
Fugitive emissions	1	34,685	242,795	0%	0%	0%
Reforestation	1	262,352	7,870,560	0%	1%	2%



## Number of Brazilian Projects by Sectoral Scope



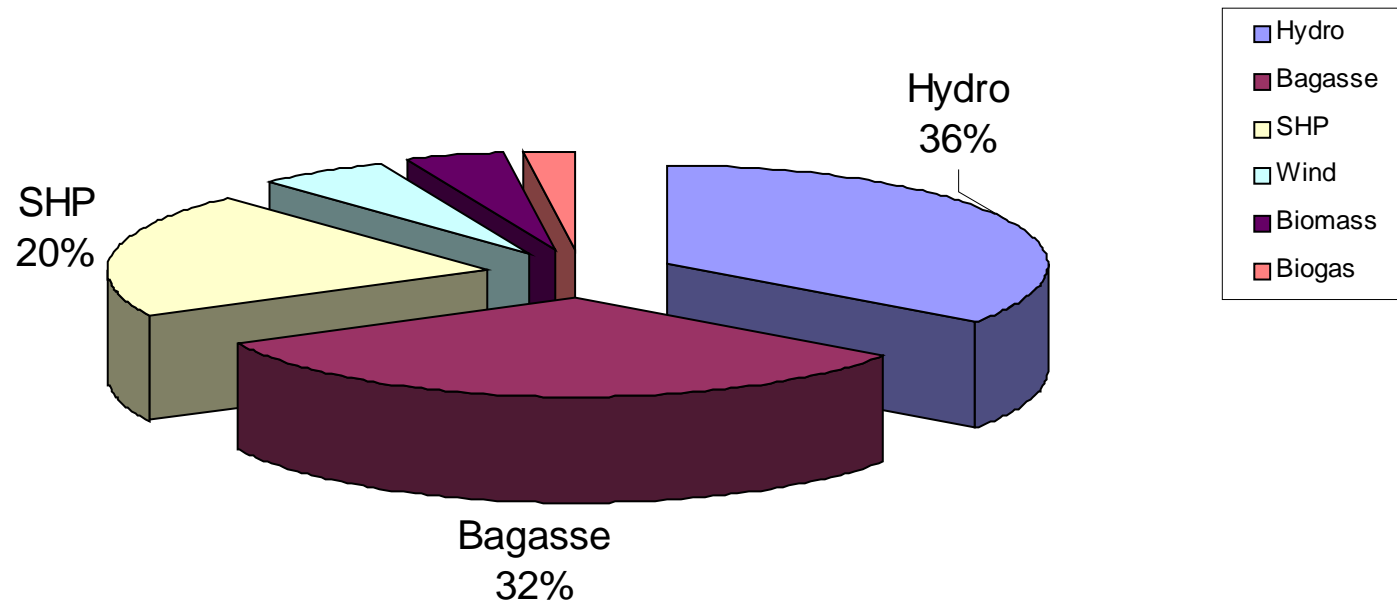
## Emission Reductions on the First Crediting Period by Sectoral Scope in Brazil



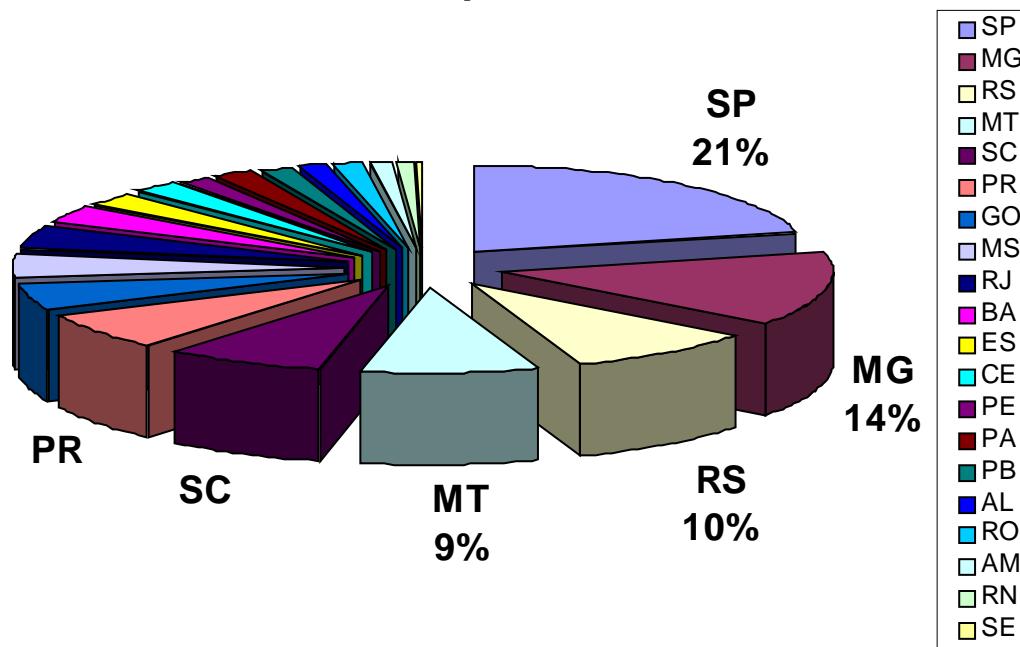
## Installed Capacity (MW) of the project activities approved by the CIMGC

**Total: 2900 MW**

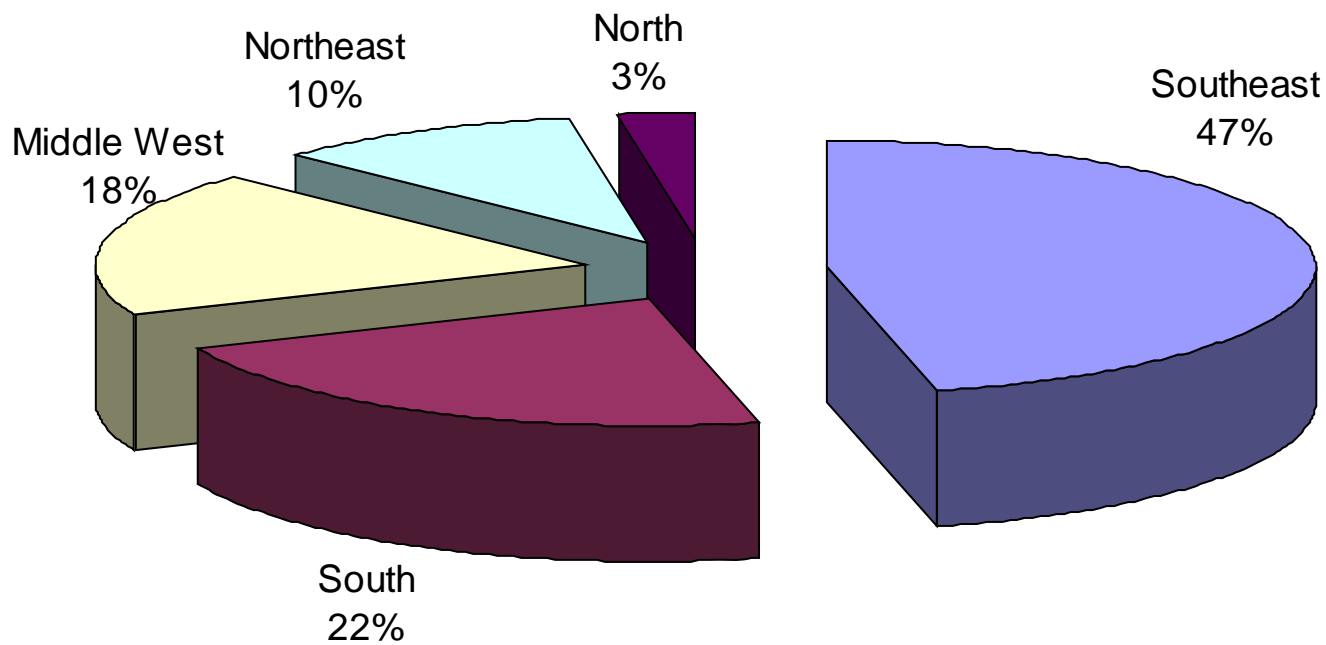
PROINFA: 415MW



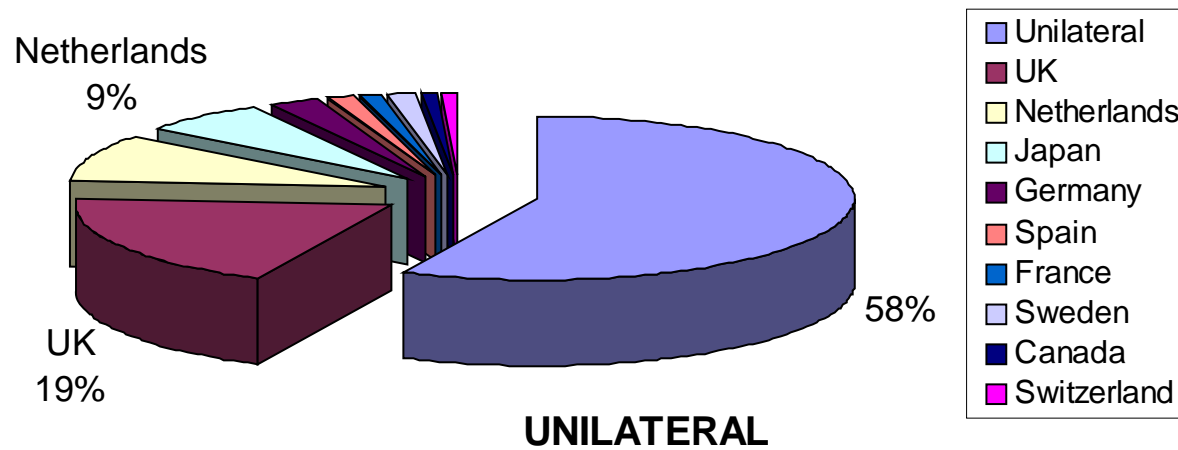
### Number of CDM project activities in Brazil per state



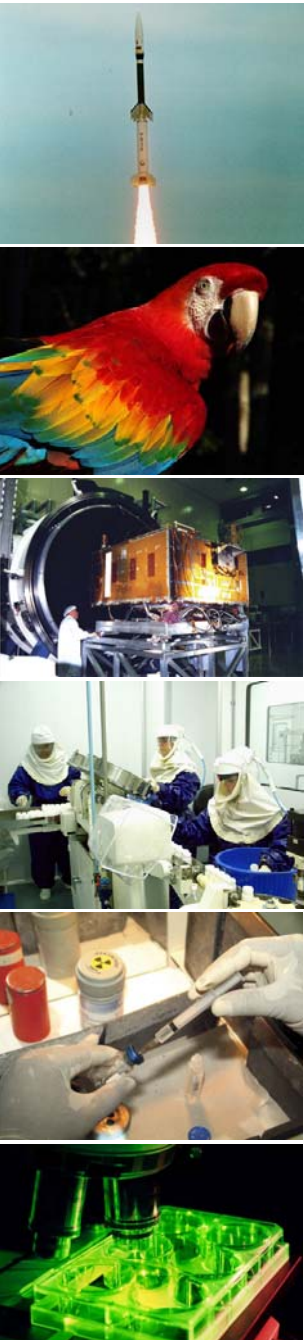
### Number of CDM project activities in Brazil per region



## Number of CDM Project Activities in Brazil by Country Parties



# Current status of projects (Brazilian DNA)



✦ Approved	189
✦ Approved under conditions	8
✦ Under review	6
✦ New Submissions	6

◆ DNA Total	209
◆ To be submitted	101
◆ Total	310

# Current status of Brazilian projects (EB)



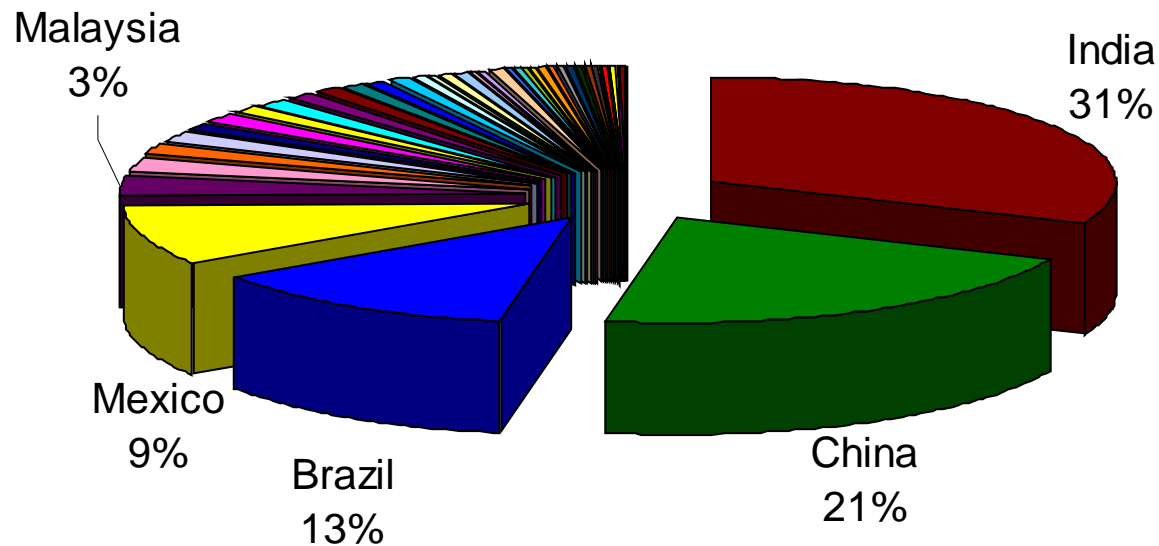
✦ Registered	142
✦ Requesting Registration	7
✦ Total	149

◆ Others already approved (DNA)	48
◆ Still under validation/approval	113
◆ Total	310

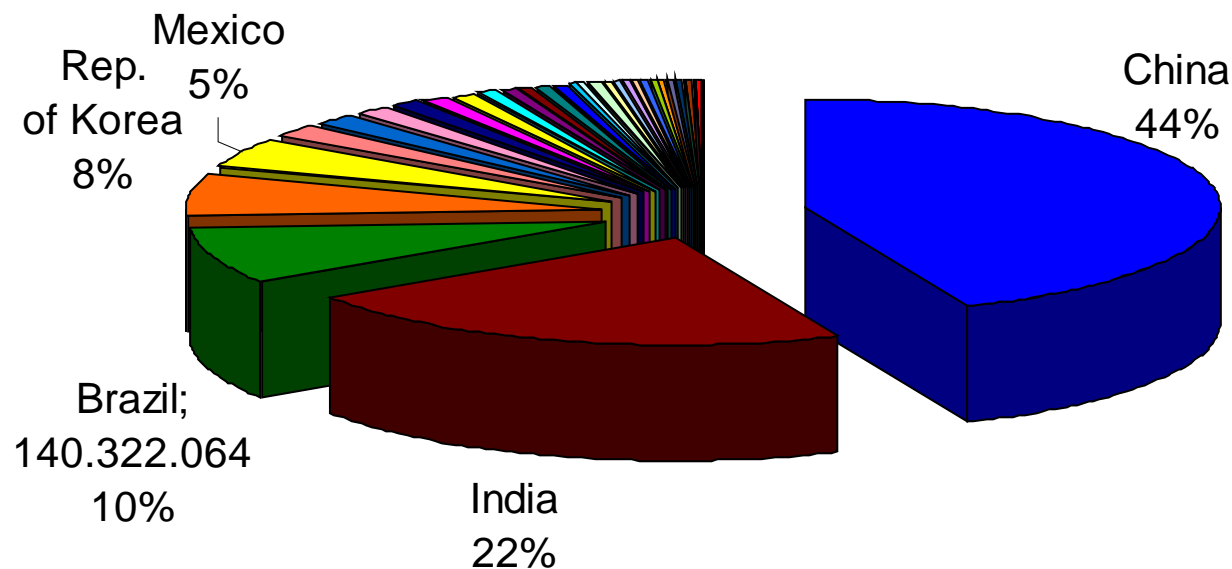


## Number of CDM Projects Registered at the Executive Board

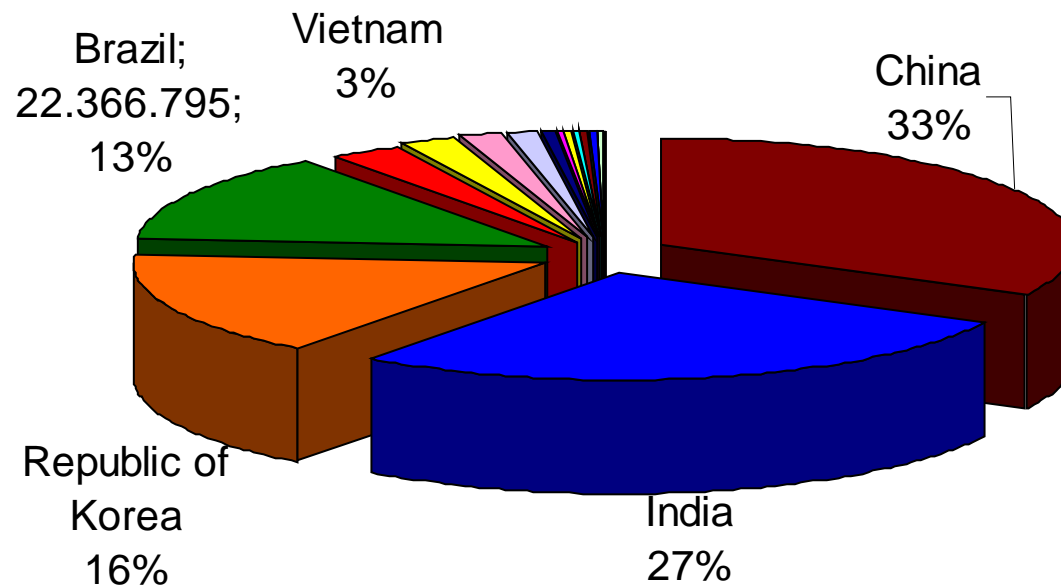
1112



## Emissions Reduction of Registered Projects for the 1st Crediting Period (1,830 millions of t CO2 eq)



## Units Issued (CERs) 166,015,868 t CO<sub>2</sub> eq





# http://www.mct.gov.br/clima

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**Ministério da Ciência e Tecnologia**

O MCT INDICADORES LEGISLAÇÃO FONTES DE FINANCIAMENTO UNIDADES DE PESQUISA

VERSÃO ACESSÍVEL

**CLIMATE CHANGE**

**Sections**

**Interministerial Commission**

- Decree of July 7, 1999, amended by Decree of January 10, 2006
- Projects submitted to the Interministerial Commission under the Clean Development Mechanism
- Resolutions of the Commission
- Circular no. 3291, of September 8, 2005, of the Collegiate Board of Officers of the Central Bank of Brazil

**Clean Development Mechanism**

- Procedures for submitting a CDM project to the Interministerial Commission on Global Climate Change
- Forms for the preparation of the Project Design Document under the CDM (most recent version in the website of the CDM Executive Board)
- Approved baseline and monitoring methodologies

**Highlights**

**Brazil's Contribution to Prevent Climate Change White Paper**  
Year 2007 [See also...](#)

**Intergovernmental Panel on Climate Change - Climate Change 2007 (Fourth Assessment Report of the IPCC)**

[Summary for Policymakers of the Synthesis Report \(draft copy\)](#)

[Group I Summary for Policymakers: The Physical Science Basis](#)

[Group II Summary for Policymakers: Impacts, Adaptation and Vulnerability](#)

[Group III Summary for Policymakers: Mitigation of Climate Change](#)

**Current status of CDM project activities in Brazil and in the world**  
*Last compilation from the UNFCCC webpage: April 7, 2008*

Climate Change - English

- The Science of Climate Change
- The United Nations Framework Convention on Climate Change
- Brazil and the Convention
- National Communication
- Negotiations
- The Kyoto Protocol
- Clean Development Mechanism (CDM)
- Climate Change - PPA
- Interministerial Commission on Global Climate Change
- Carbon Sequestration Leadership Forum (CSLF)
- Brazilian Climate Change Forum
- Methane to Markets
- Major Economies Initiatives
- Events
- Talk to us
- Publications
- Selection of Consultants

