Brazil's Nationally Appropriate Mitigation Actions

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NAMAs Presented by Brazil

(FCCC/AWG-LCA/2011/INF 1)

Nationally Appropriate Mitigation Actions	Range of Estimated Reduction in 2020 (Mt CO2e)	
Reduction in Amazon deforestation	564	564
Reduction in “Cerrado” deforestation	104	104
Restoration of grazing land	83	104
Integrated crop-livestock system	18	22
No-till farming	16	20
Biological nitrogen fixation	16	20
Energy efficiency	12	15
Increase in the use of biofuels	48	60
Increase in energy supply by hydroelectric power plants	79	99
Alternative energy souces	26	33
Iron and steel – charcoal from reforestation	8	10

Assumptions

- Voluntary in nature;
- Implemented in accordance with the principles and provisions of the Convention, particularly Article 4, paragraphs 1 and 7, Article 10, paragraph 2(a), and Article 12, paragraphs I(b) and 4;
- The use of the Clean Development Mechanism (CDM) established under the Kyoto Protocol is not excluded.
- It is anticipated that the actions will lead to an expected reduction of 36,1% to 38,9% regarding projected emissions in 2020 in the identified areas.

Implementation

- From the outset, efforts have been made to organize the public sector and civil society for the implementation process.

- The NAMAs are being undertaken by means of different instruments, including mitigation plans, action plans for the prevention and control of deforestation, as well as other Government initiatives.

- In addition, the Brazilian Government is also developing processes to better assess the implementation of these NAMAs and their mitigation result.

Implementation Instruments

Reduction in Amazon deforestation	Action Plan for the Prevention and Control of Deforestation in the Amazon Implementation phase
Reduction in “Cerrado” deforestation	Action Plan for the Prevention and Control of Deforestation and Fires in the “Cerrado” Implementation phase
Restoration of grazing land Integrated crop-livestock system No-till farming Biological nitrogen fixation	Action Plan for Mitigation and Adaptation in Agriculture Implementation phase
Energy efficiency Increase the use of biofuels Increase in energy supply by hydroelectric power plants Alternative energy souces	Ten Year Plan for Energy Expansion Implementation phase
Iron and steel – Charcoal from Reforestation	Will be taken up in the broader context of an industry action plan Elaboration phase

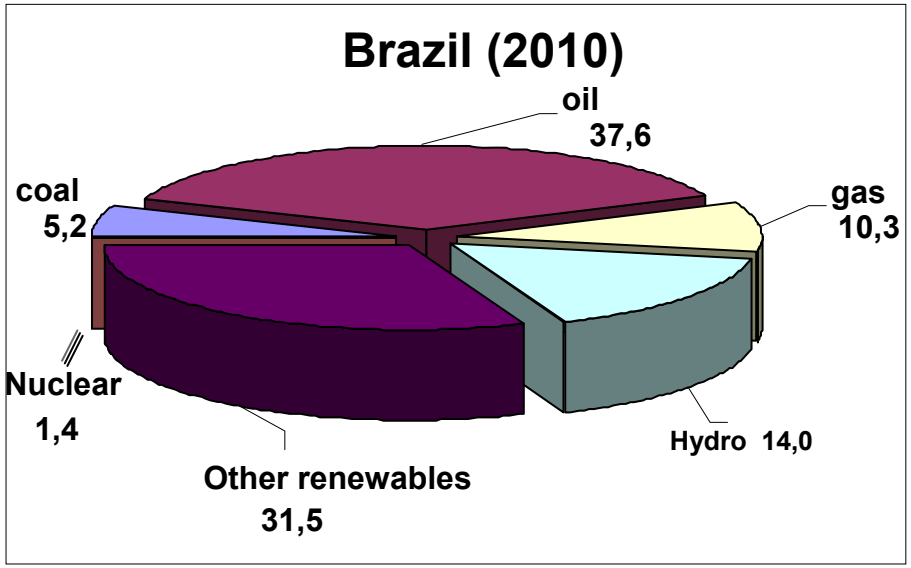
ENERGY MIX COMPARISON

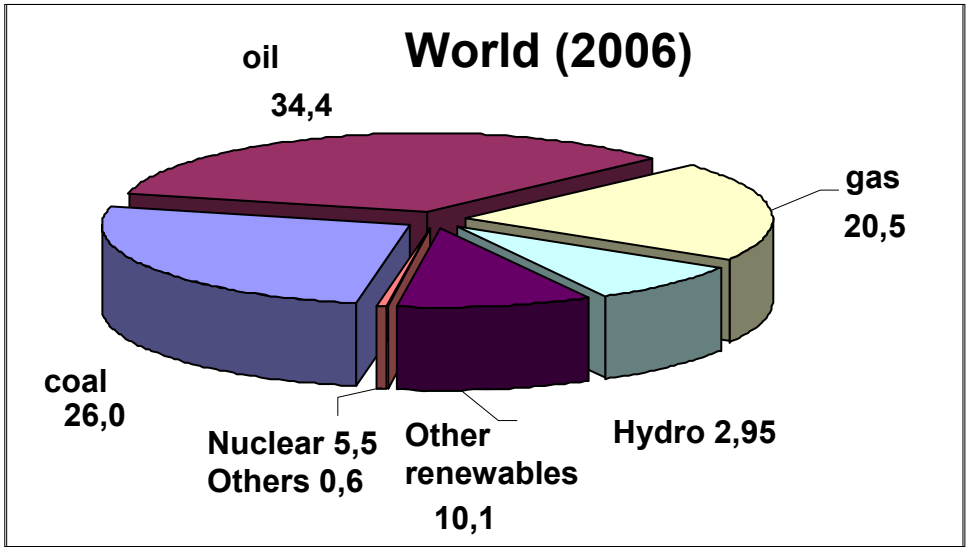
Renewables %

Brazil – 45,5

OECD - 6,7

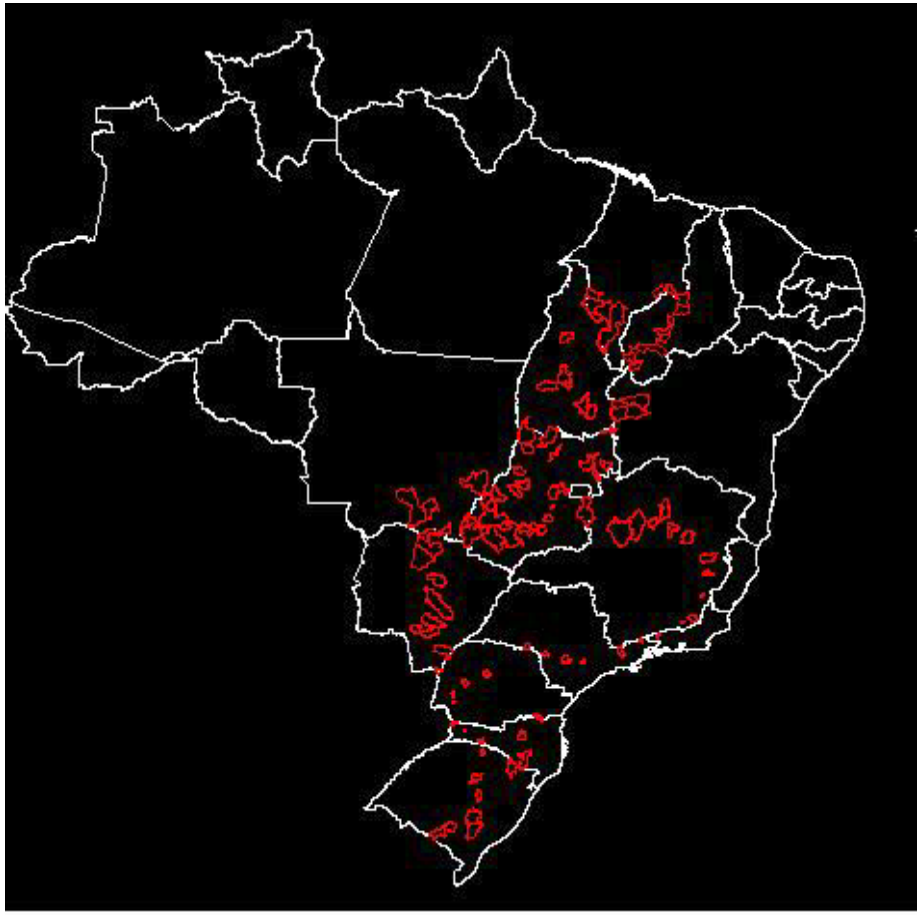
World - 13,0





Source : 5º World Outlook - IEA and EPE

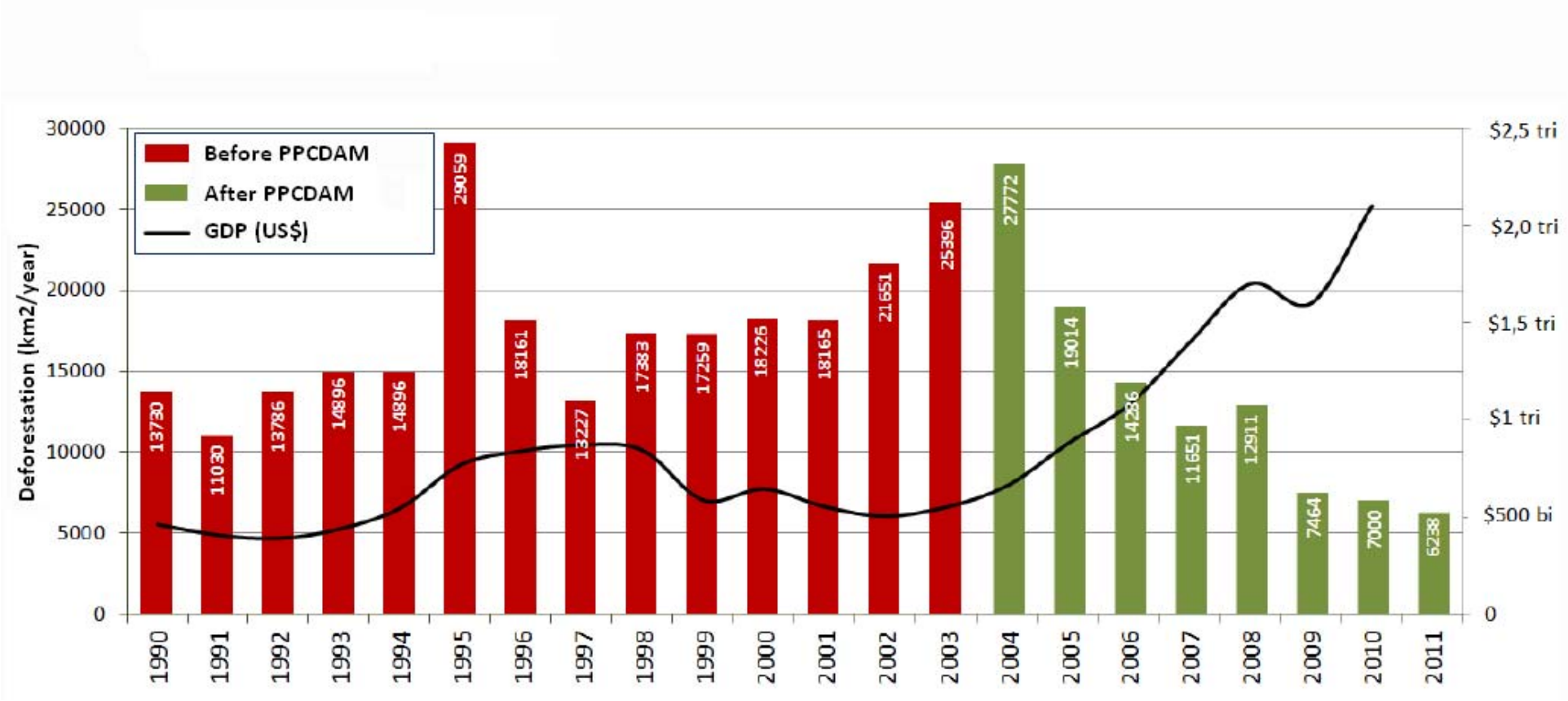
Agriculture: Gathering Information



Collection efforts for the restoration of grazing lands

Biomes	Total samples taken of grazing lands
"Cerrado"	57
"Mata Atlântica"	23
"Pampa"	5
Transition area "Cerrado/Mata Atlântica"	6
Transition area "Cerrado/Pantanal"	4
Transition area "Cerrado/Caatinga"	7
Total	102

Action Plan for the Prevention and Control of Deforestation in the Amazon (PPCDAM)



Concluding

- The implementation efforts articulate several activities and actions, which may or may not translate directly into emission reductions.

- Significant results in terms of emission reductions have already been achieved in some areas.