

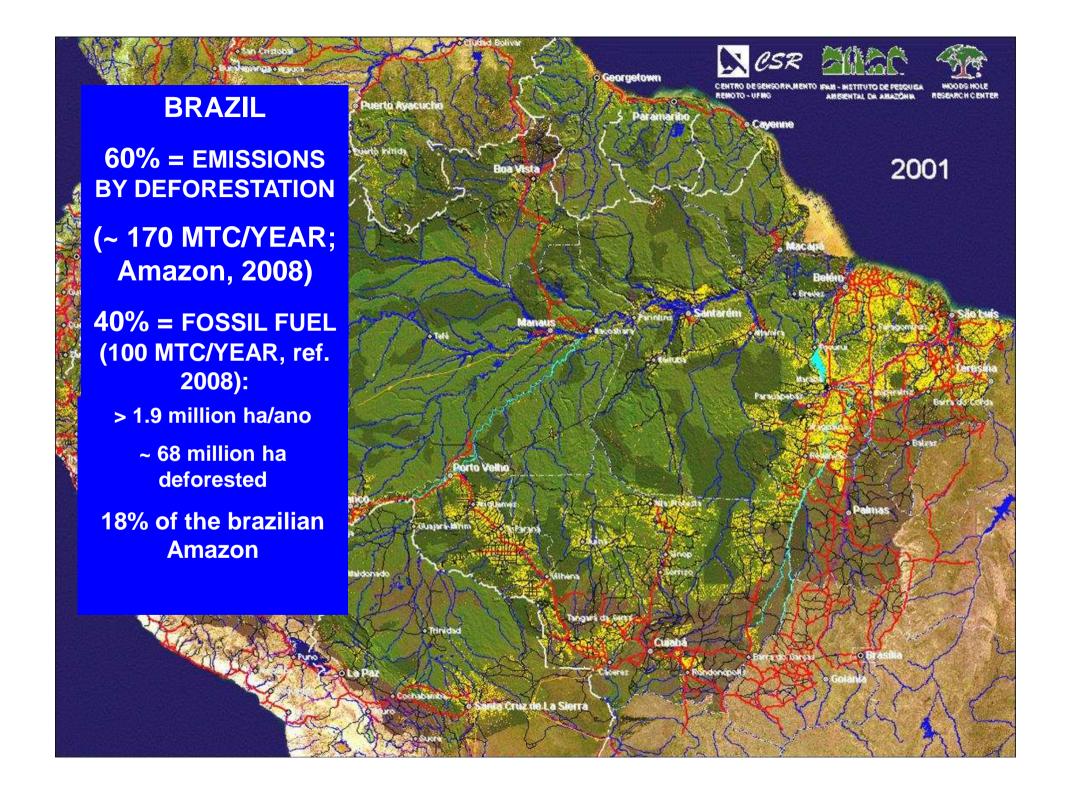
# Targets, carbon stocks and deforestation reduction: Proposed benefit sharing in the Brazilian Amazon linking national and sub-national targets

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Forest Day, Dec 13th 2009, Copenhagen

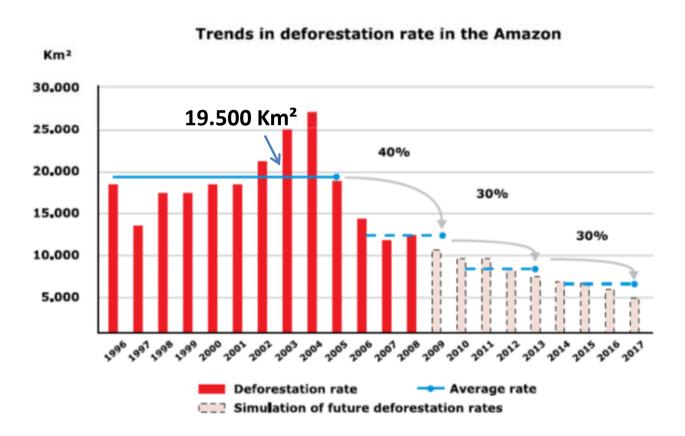


### REDD in the Amazon/Opportunities

- National Action Plan to Prevent and Control Deforestation in the Amazon (new phase, operating since 2004)
- Amazon Fund, a voluntary-based mechanism that receives donations in order to compensate deforestation reduction and invest in prevention and control (58 projects submitted, 5 approved)
- National Plan on Climate Change voluntary targets for emissions reduction from deforestation in the Amazon (<80% up to 2020)</li>
- Amazon States start to develop State Plans to prevent and control Deforestation in the Amazon (4 Major states = 85% forest Cover and represents 75% of the deforestation have already announced the state plans with targets and baselines analogue to NPCC)
- National Target for emission reduction (~40% by 2020 or 17% below 2005)







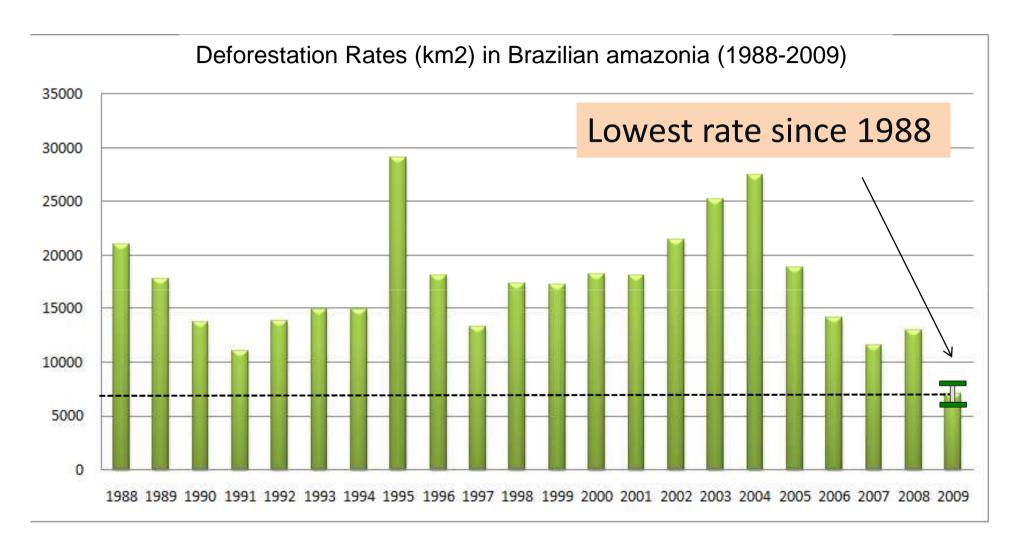
Avoid emissions

~ 4.8 billion tons of
CO2 between 2006
and 2020,
considering a
biomass carbon
stock of 100 tC/ha.

Reduce deforestation by 80% by 2020

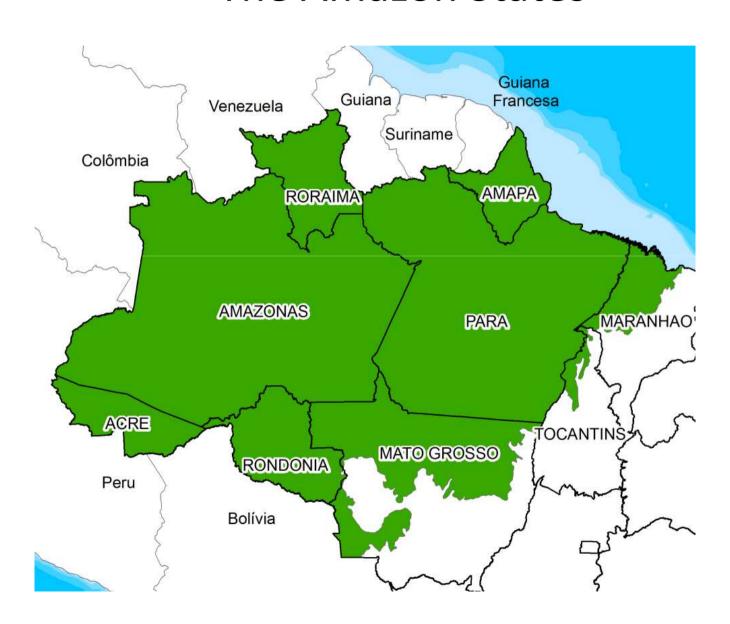
Available at: http://www.mma.gov.br/estruturas/smcq\_climaticas/\_arquivos/executive\_summary\_pnmc.pdf







### The Amazon States





How can a fair and equitable system for sharing financial benefits works from the national REDD mechanism to sub-national initiatives?

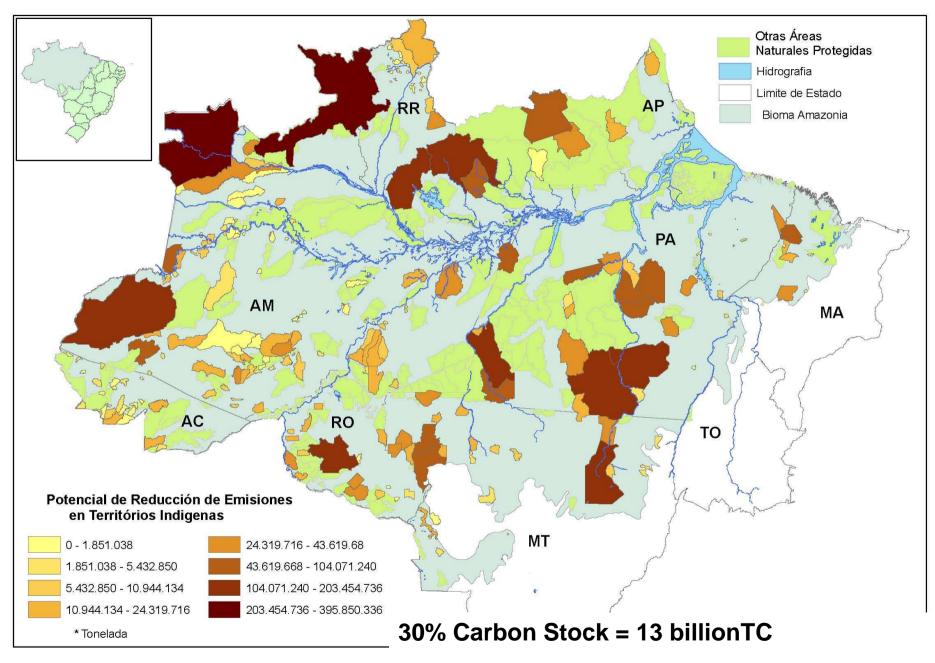


### **REDD** in the Amazon

Changing the driving forces of deforestation

➤ Identifying activities that contribute to the maintenance of standing forests

➤ Recognition of the rights to the lands, territories and resources which IPLC have traditionally owned or occupied



Source: Soares Filho, 2009, no published data

Avoided Deforestation = 5 billion TC (by 2050)

**REDD** in the Amazon (REDD projects?) o chicken-pox REDD

# Conecting subnational to national targets

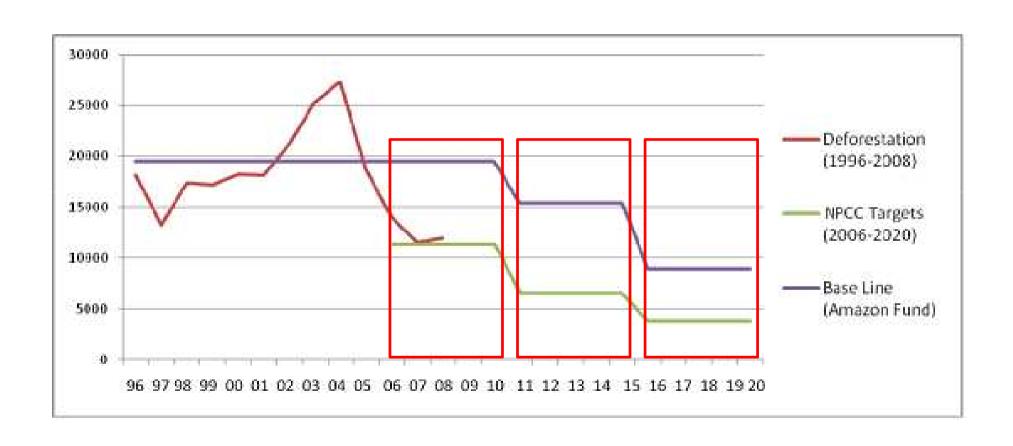
### **Assumptions**

- Amazon States should commit to deforestation reduction targets in State deforestation Plan.
- State targets must be consistent and integrated to the National targets proposed by NPCC
- If all Amazon states adopt the same baseline method and the same criteria for defining targets, NPCC will have full compliance with its target
- If all states reduce their deforestation below their respective target the country will have additionality in relation to the NPCC



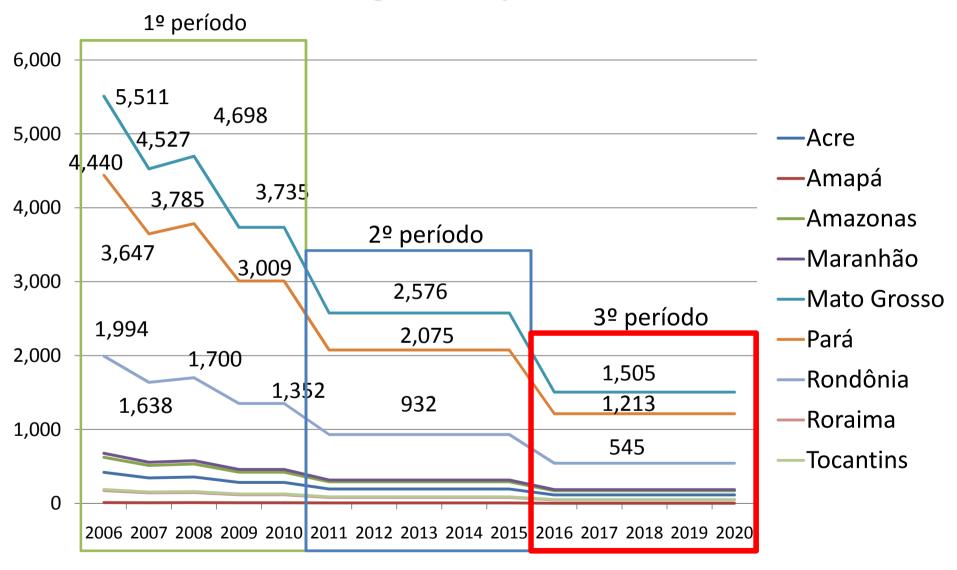


### Annual rates & NPCC targets

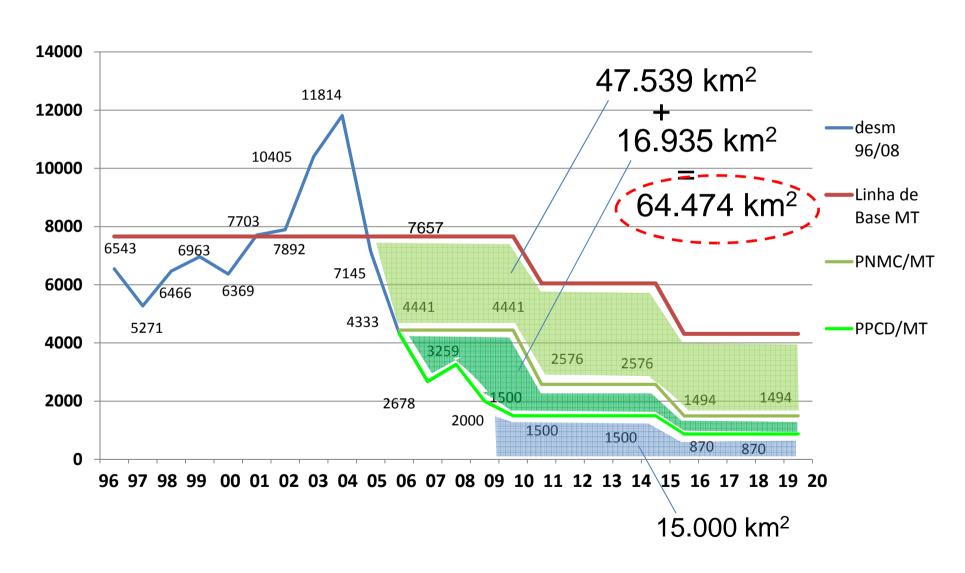


Source: Lima et al, 2009,

## Reduction Targets by Amazon States Research Researc



## Mato Grosso State Targets (km<sup>2</sup>)





### Target, Stock and Emission Reduction

The achievement of voluntary state target coherent and integrated to the NPCC Targets

The forest stock and an estimated cost for the management of protected area in the region

The effective deforestation reduction and the opportunity cost of it.



### National Plan on Climate Change And Deforestation Reduction

Table 1. Deforestation emissions reduction verified between 2006 and 2008 considering the baseline established by the Amazon Fund\*

	2006	2007	2008	Total
Deforestation Reduction (km²)	5,461	7,968	7,532	20,961
CO <sub>2</sub> reduction (ton)	199,872,600	291,628,800	275,671,200	767,172,600

\* One hectare corresponds to 366 tCO2e (Amazon Fund value).

Source: Lima et al, 2009, www.ipam.org.br\biblioteca



### Emission Reducton from 2006 to 2008

767 MtCO2 = 100%

383,5 MtCO2 = 50%

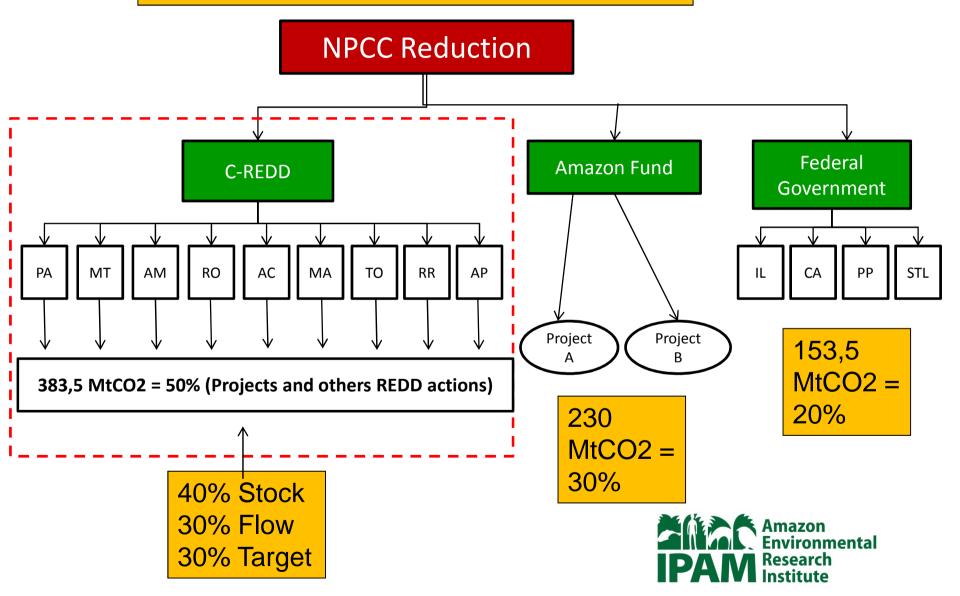
Distribution of C-REDD Among States

40% Stock

**30% Flow** 

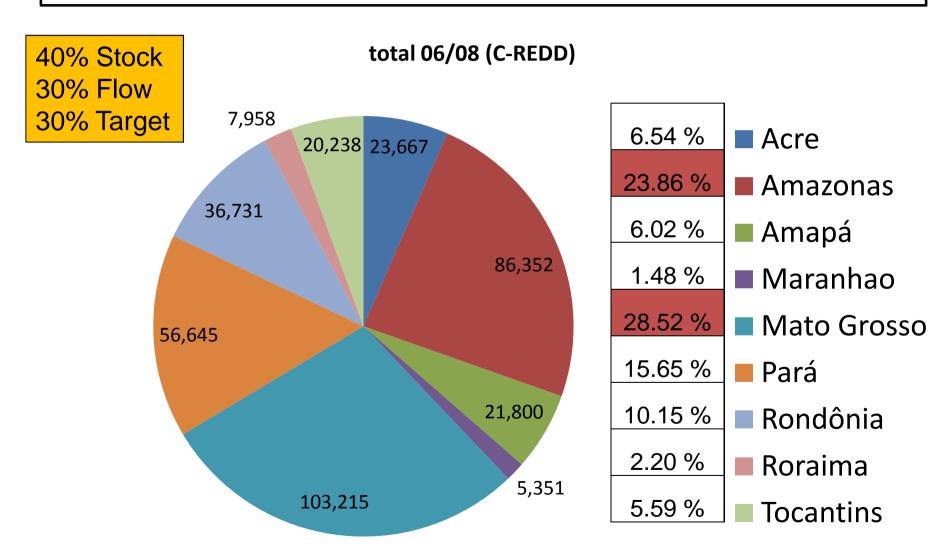
30% Target

#### Emission Reducton from 2006 to 2008 767 MtCO2 = 100%





### 383,5 MtCO2 = 50% (Projects and others REDD actions)





### REDD

Scope: What is being delivered?

Reference Level: How is it being measured?

**Distribution**: Where/to whom does the money go?

Financing: Where does the money come from?

Environmentally effective?
Economically efficient?
Equitably distributed?
Politically feasible?

Source: Parker C. et al. 2008. The Little REDD Book

