

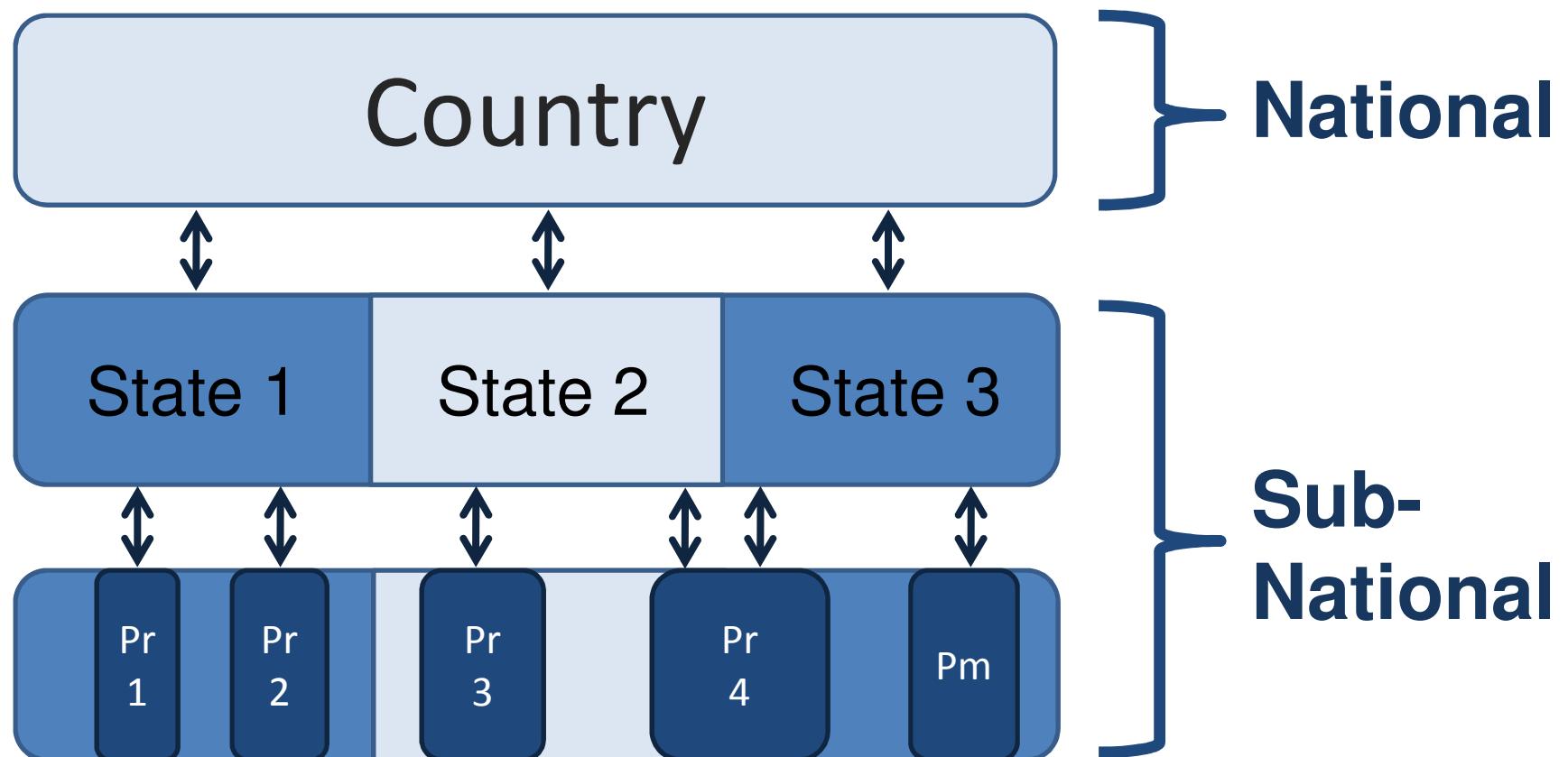
# Nesting state-level programs into national programs: Subsidies for building a State REDD+ System in Amazonas, Brazil



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Miami, 16<sup>th</sup> March 2011

# REDD+ is happening at different levels



Pr = Local Project

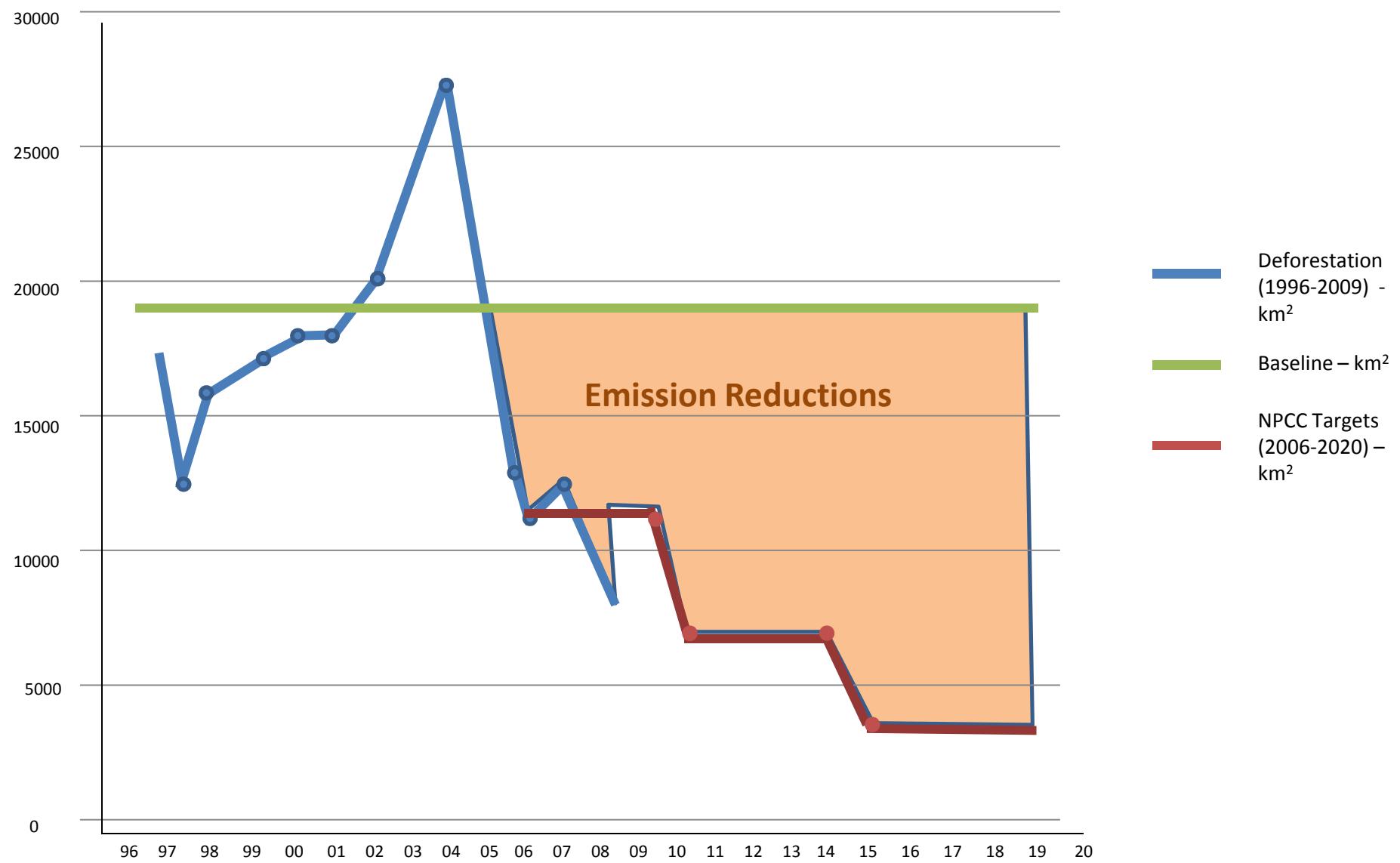
Pm = Municipal Project

Source: based in Pedroni et al. 2010

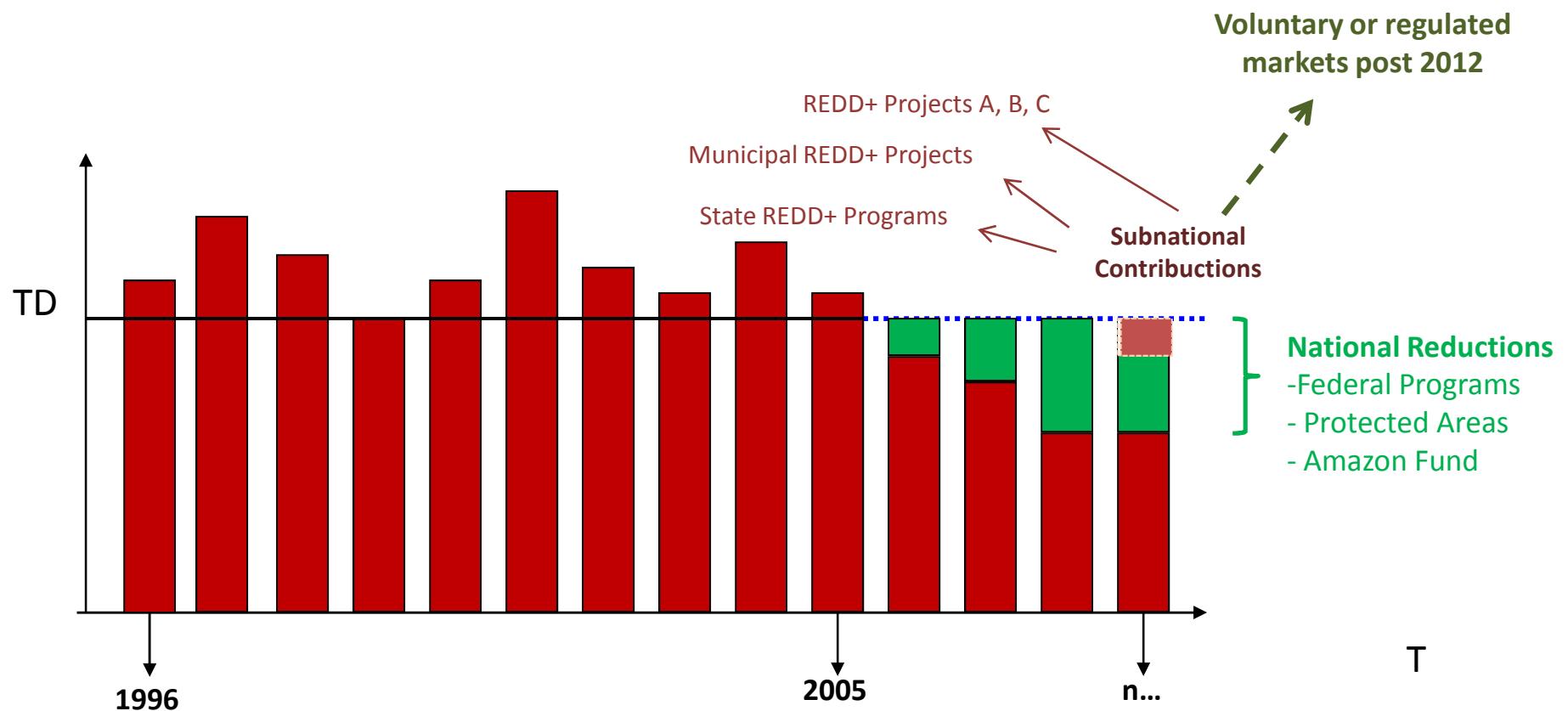
# Background

- ✓ National and Sub-national Regulation is under process
- ✓ Federal Decree 7.390 (09/12/2010) – NPCC
  - ✓ ~ 36% - 39% ER target for 2010
  - ✓ Sectoral approaches: domestic Market for Brazil
- ✓ REDD+ Bill (PL 195/2011)
- ✓ State REDD+ regulation:
  - ✓ Acre's State Law of Environmental Services
  - ✓ Amazonas's State Law of Environmental Services (Draft)
  - ✓ Mato Grosso (Draft)
- ✓ At least 07 Projects under development: 267 MM tCO2

# Brazil: Baseline and Targets (NPCC FD 7.390/2010)



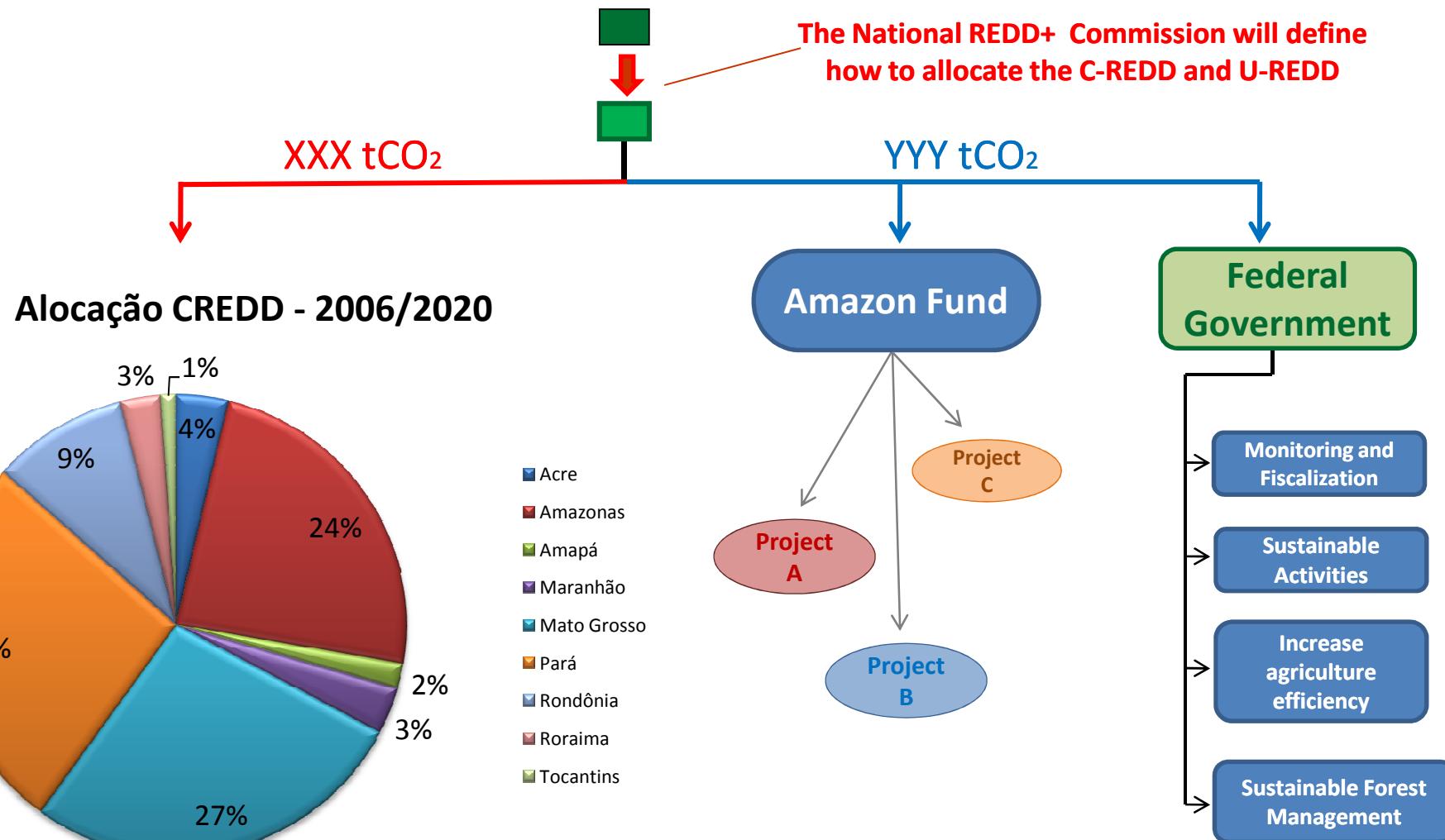
# Why a REDD+ State System in Brazil?



Avoid double counting and provide a clear framework for programs and pilot activities applicable to State's specific conditions...



**8.688.052.002 tCO<sub>2</sub> REDD (2006 - 2020)**



Based in: PL 5586/2009 and IPAM (2010)

	<b>Estoque (km<sup>2</sup>)</b>	<b>% Estoque</b>
<b>Acre</b>	132.048	3,9%
<b>Amazonas</b>	1.459.969	43,1%
<b>Amapá</b>	117.188	3,5%
<b>Maranhão</b>	92.997	2,7%
<b>Mato Grosso</b>	338.066	10,0%
<b>Pará</b>	911.664	26,9%
<b>Rondônia</b>	141.566	4,2%
<b>Roraima</b>	161.202	4,8%
<b>Tocantins</b>	31.008	0,9%
<b>TOTAL</b>	<b>3.385.708</b>	<b>100%</b>

**Extensão florestal existente (km<sup>2</sup>) no ano de 2006 (Amazônia Brasileira)**  
(Fonte: BANTER)

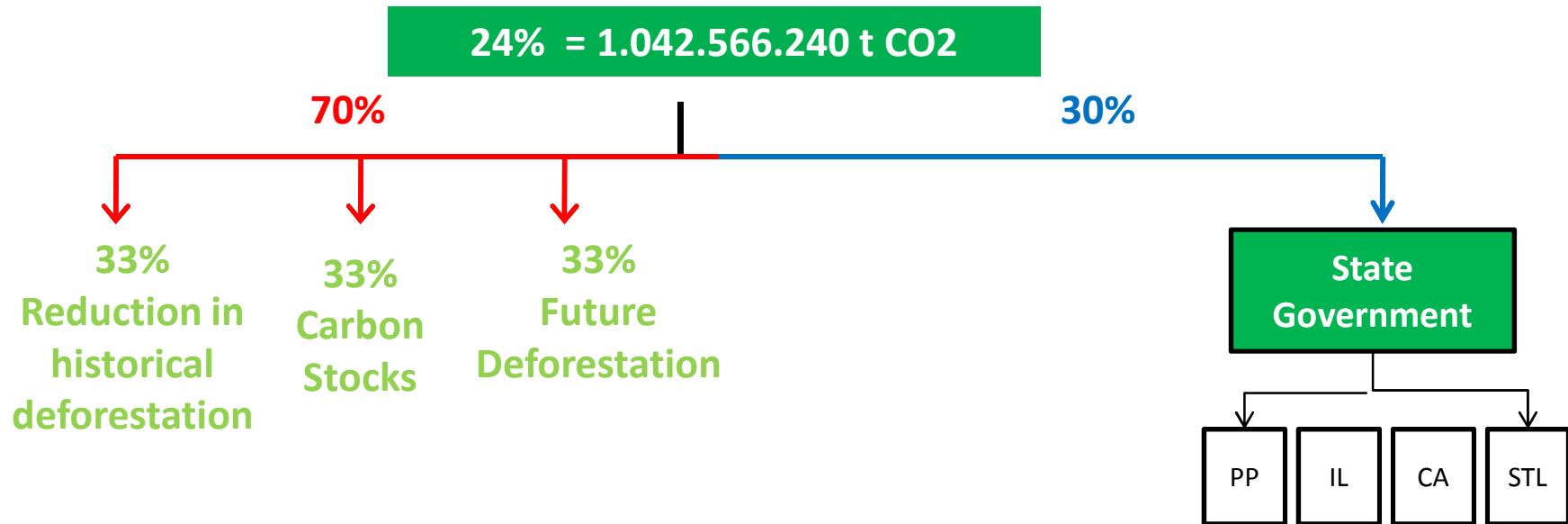
**(taxa histórica de desmatamento) – (desmatamento verificado – PRODES) em 2006**  
(Fonte: PRODES)

**Porcentagem de estoques, em relação a Amazônia Brasileira**

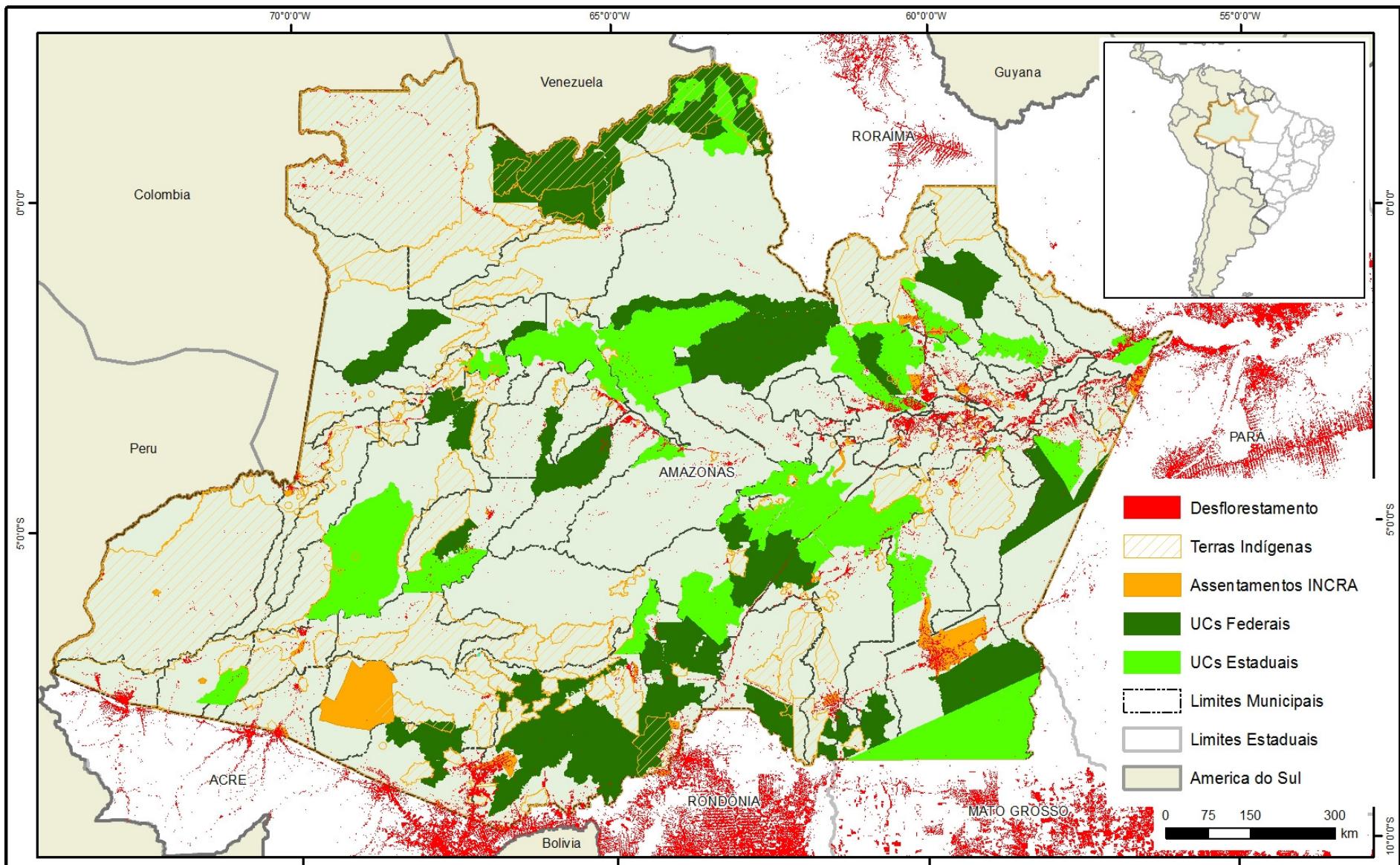
**Porcentagem de desmatamento reduzido por Estado, em relação à toda a Amazônia Brasileira**

**C-REDD: Alocação por Estado, baseado em um mecanismo de estoque e fluxo, considerando a divisão de 50% para estoques e 50% para fluxos**

# C-REDD AM (2006 - 2020)



- **Historical Deforestation Rates (flow):** Allocation to consolidated deforestation frontier
- **Forest Carbon Stocks (stock):** Balanced distribution to non-threatened areas
- **Future Deforestation Risk Map:** Allocation to future deforestation frontiers



## Desmatamento 2010

### FONTES:

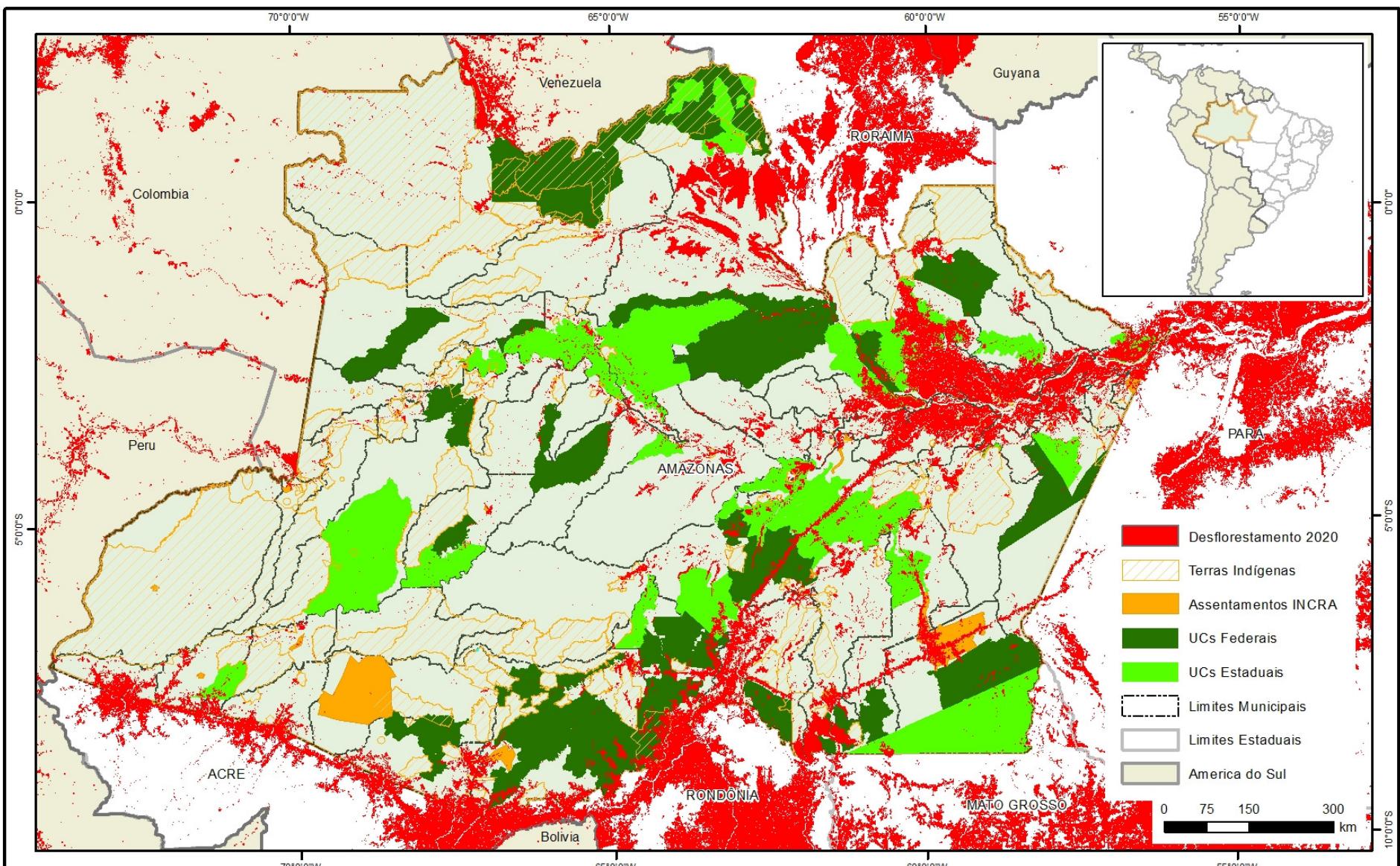
CEUC / SDS - UC's Estaduais e UC's da BR-319, 2009.  
 ICMbio - Unidades de Conservação Federais, 2009.  
 INDE - Terras Indígenas, 2007.  
 INCRA - Áreas de assentamento na Amazônia Legal, 2007.  
 IBGE - Limites Municipais e Estaduais, 2007.  
 INPE - 2010.

Categoria de Preservação	Área (ha)	% relativo ao estado
UCEs	19.646.988,97	12,6
UCFs	24.167.652,42	15,5
Tis	42.479.883,12	27,2
Assentamentos	2.389.234,48	1,5
Amazons (ha)	155.916.168,20	-



### Informações Adicionais

Elaboração: Heberton Barros  
 Revisado por: Pedro Soares  
 Data: 04/02/2001



## Desmatamento 2020

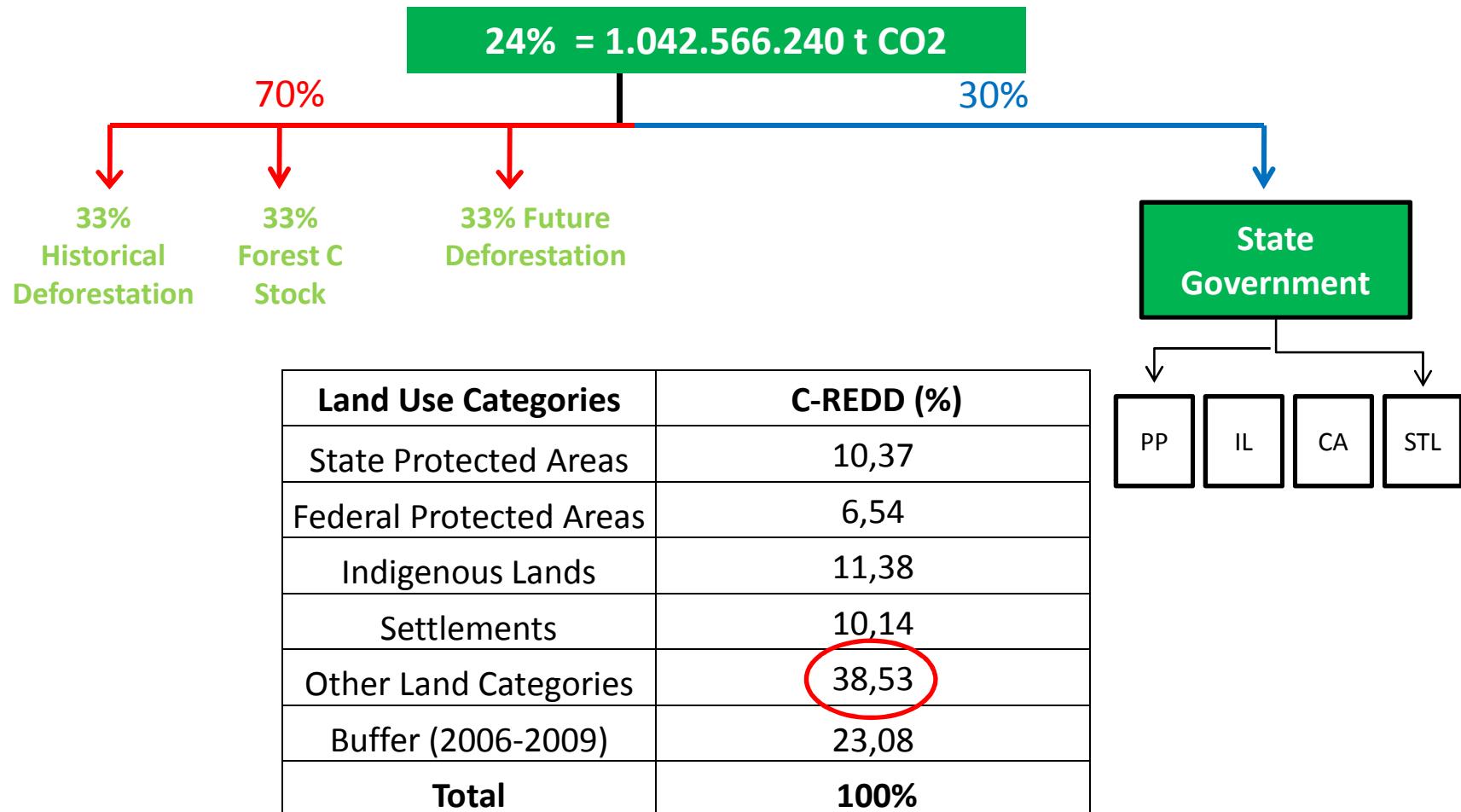
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# C-REDD AM (2006 - 2020)

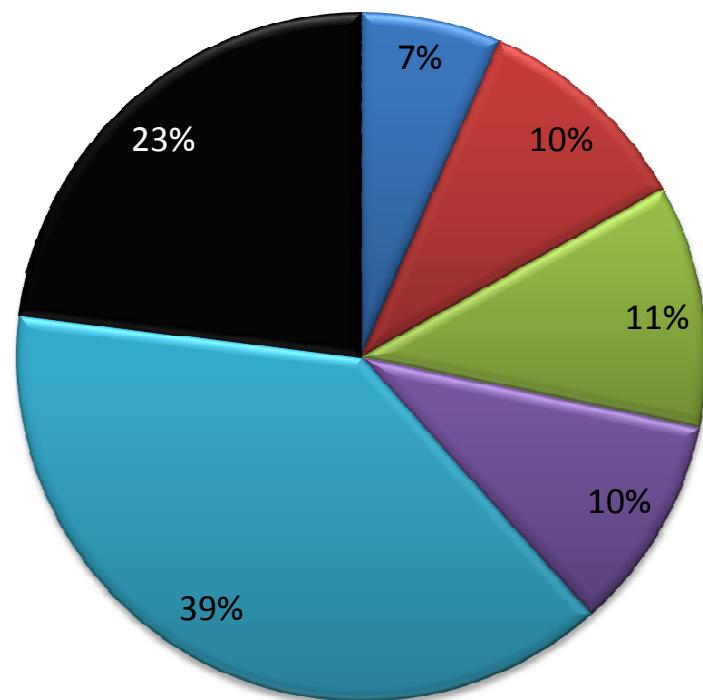


**The surplus of C REDD generated by “Other Land Categories” would be used to fund independent REDD+ projects (by announcements, based on specific methodologies , principles and criteria, etc.)...**

## C-REDD AM (2006 - 2020)

**24% - 1.042.566.240 t CO<sub>2</sub>**

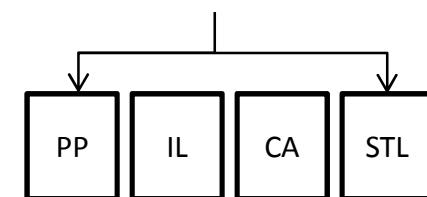
### C REDD AM - Allocation - 2006/2020

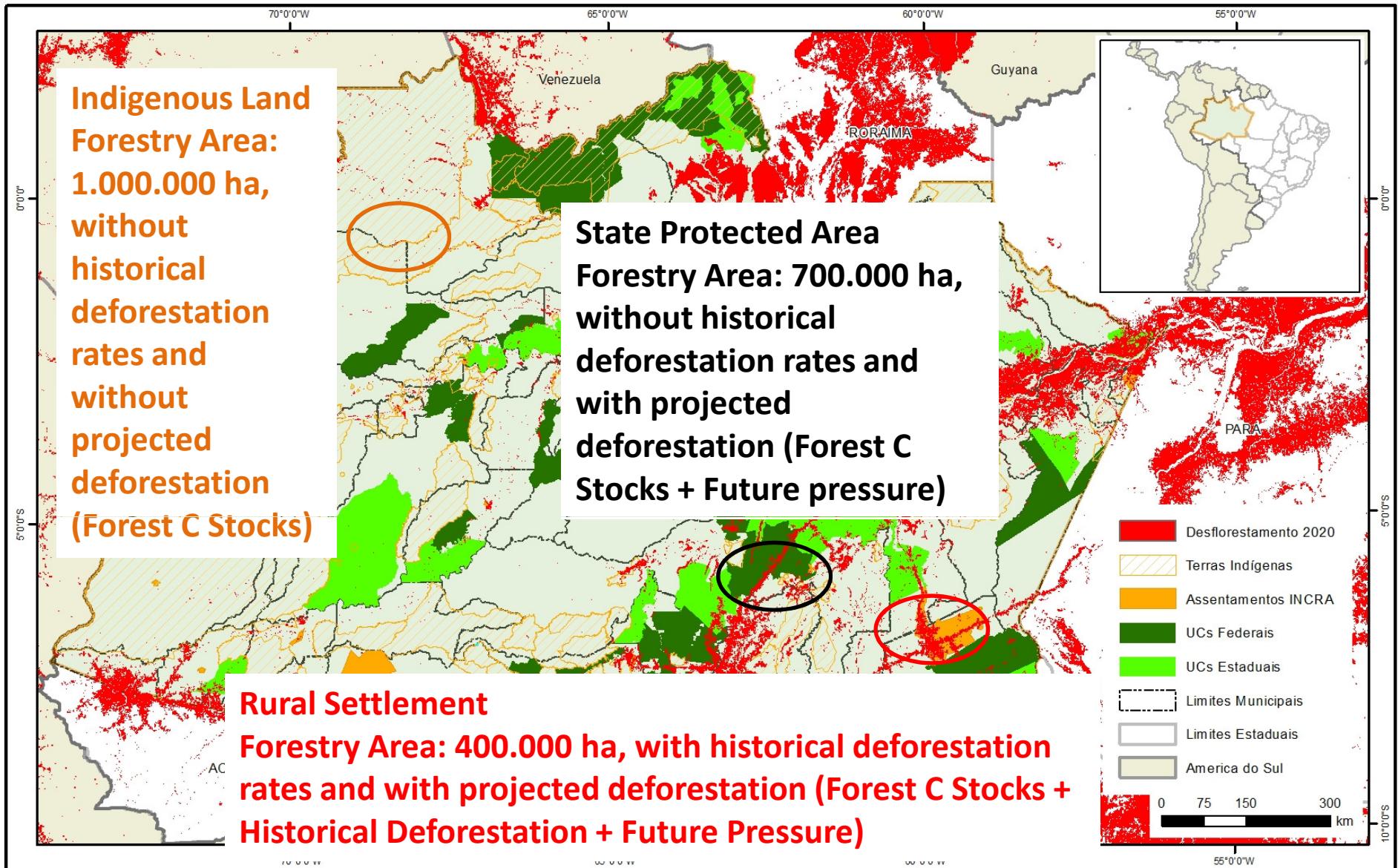


- Federal PA
- State PA
- Indigenous Land
- Rural Settlement
- Announcements
- Buffer (CREDD AM - 2006/09)

70%                    30%

**State Government**



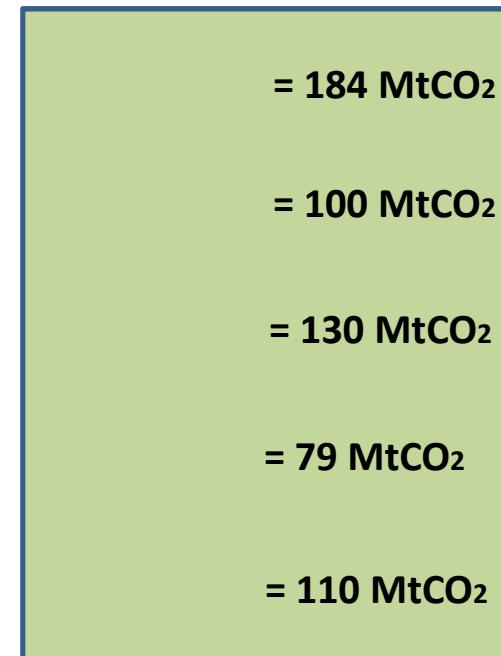


Desmatamento 2020	FONTES: CEUC / SDS - UC's Estaduais e UC's da BR-319, 2009. ICMBio - Unidades de Conservação Federais, 2009. INDE - Terras Indígenas, 2007. INCRA - Áreas de assentamento na Amazônia Legal, 2007. IBGE - Limites Municipais e Estaduais, 2007. SIMAMAZONIA - 2006.	Categoria de Preservação	Área (ha)	% relativo ao estado	Informações Adicionais
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		Tis	42.479.883,12	27,2	Data: 04/02/2001
		Assentamentos	2.389.234,48	1,5	SF_001
		Amazonas (ha)	155.916.168,20	-	



## Potential of C-REDD Allocation (2006-2020)

Category	tCO2	%
Buffer (2006-2009)	181.002.568,44	17,4%
State Government	258.469.101,56	24,8%
Federal PA	51.249.143,41	4,9%
State PA	81.334.962,68	7,8%
Indigenous Land	89.233.531,41	8,6%
Rural Settlement	79.484.736,96	7,5%
Other Categories and Announcements	302.112.627,56	29,0%
<b>TOTAL</b>	<b>1.042.886.672,02</b>	<b>100%</b>



Independent Validation

## State Registry of REDD+ Activities

**603**  
**MtCO<sub>2</sub>**

### Government Actions

Monitoring and fiscalization

Sustainable Activities

PES Programs

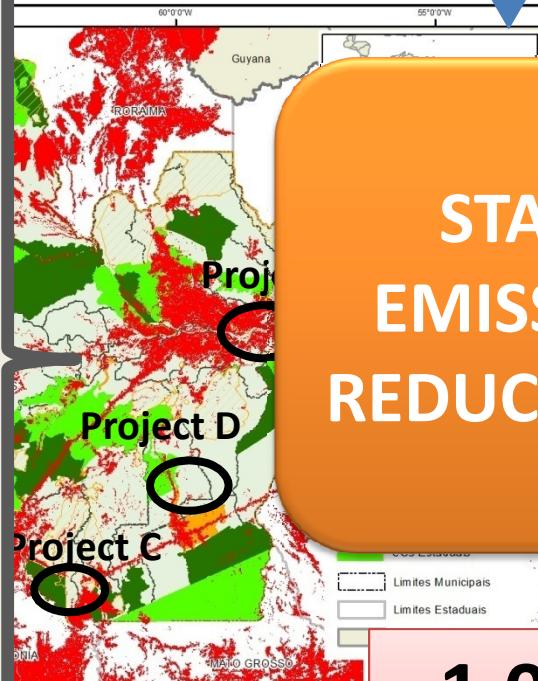
PPCD-AM

Buffer

**439**  
**MtCO<sub>2</sub>**

**STATE  
EMISSION  
REDUCTIONS**

**1,04**  
**Bi tCO<sub>2</sub>**



Project A	= 184 MtCO <sub>2</sub>
Project B	= 160 MtCO <sub>2</sub>
Project C	= 190 MtCO <sub>2</sub>
Project D	= 140 MtCO <sub>2</sub>
Project E	= 110 MtCO <sub>2</sub>

**603**  
**MtCO<sub>2</sub>**

**2006 - 2020**

### Governmental actions

Monitoring and  
fiscalization

Sustainable Activities

PES Programs

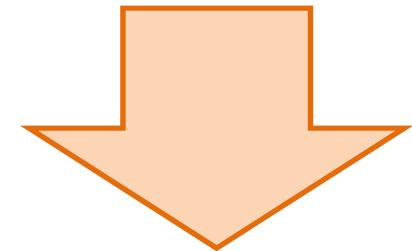
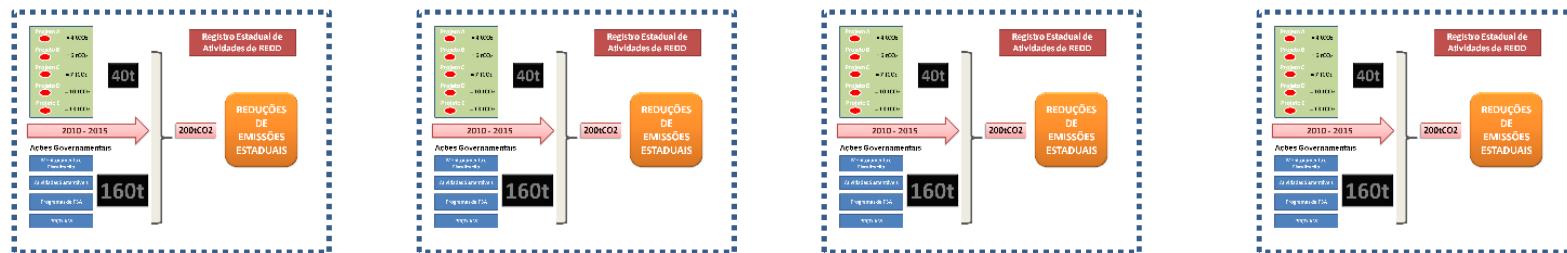
PPCD-AM

**439**  
**MtCO<sub>2</sub>**

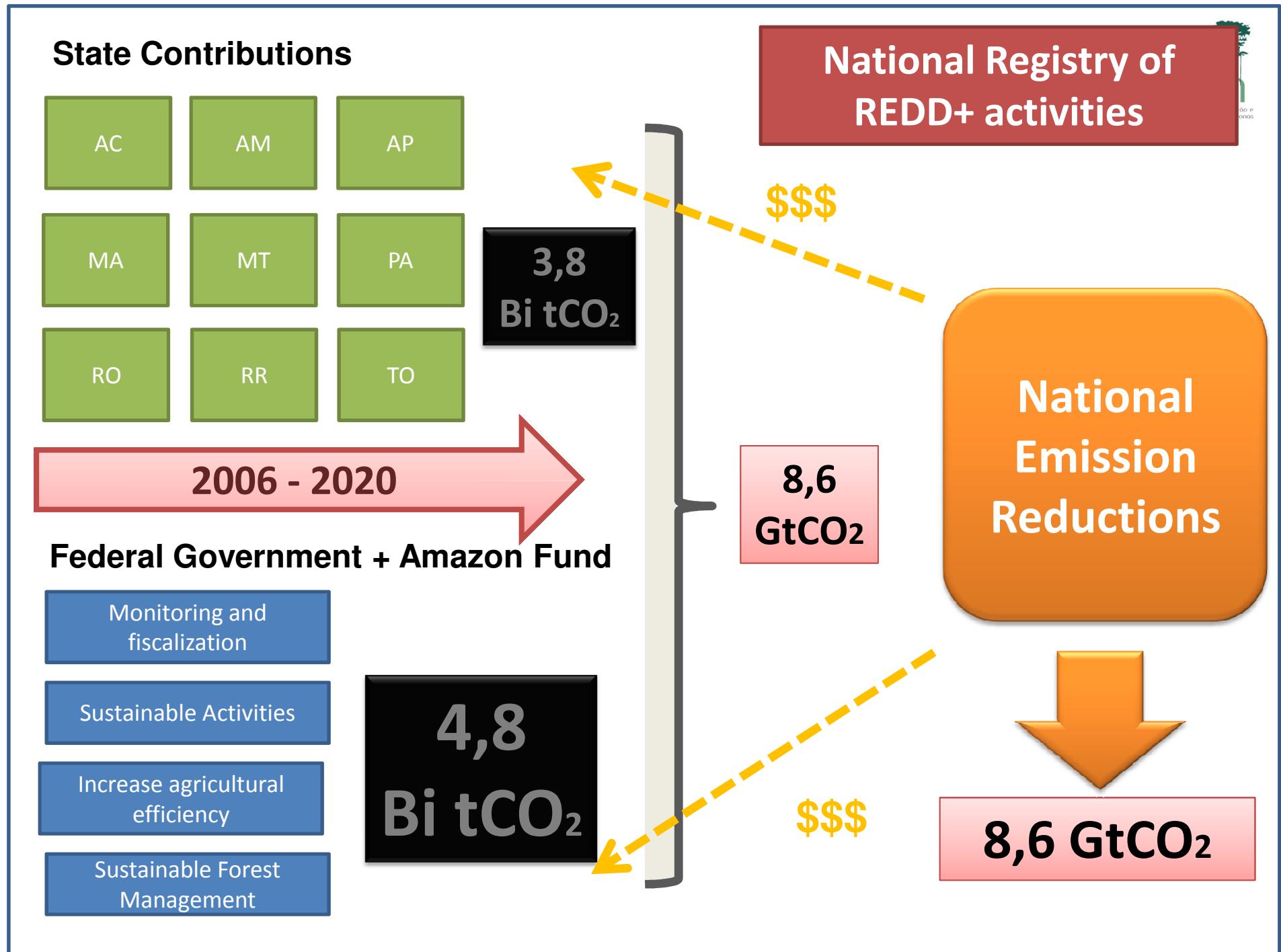
**State Registry of REDD+ activities**

**1,04**  
**GtCO<sub>2</sub>**

**STATE EMISSIONS REDUCTIONS**



**NATIONAL REGISTRY**



# Some questions

- What is the appropriate level for crediting?
  - National, State, Projects
- Under a national baseline and MRV, should sub-national activities go through additional “methodological requirements”?
- What should be the registry procedures?
  - Projects (State + VCS, CCBA, etc.)
  - “Non-Projects”
- How to deal with “more projects” than expected (opportunity costs, etc.)?

# Thank you!!!

Mariano C Cenamo

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# IDESAM

Institute for Conservation and  
Sustainable Development of Amazonas

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