National and Subnational REDD+ in Brazil: challenges and recomendations

Workshop on Linking Local REDD+ Projects to National REDD+ Strategies in Africa

April 29 – May 1, 2013, Hawassa, Ethiopia

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Outline

- General context of REDD+ in Brazil
- A nested approach proposal for the Amazon
- The Amazonas State REDD+ Program
- Lessons learned and recommendations

Why a JNR Program makes sense for National, Subnational and Projects

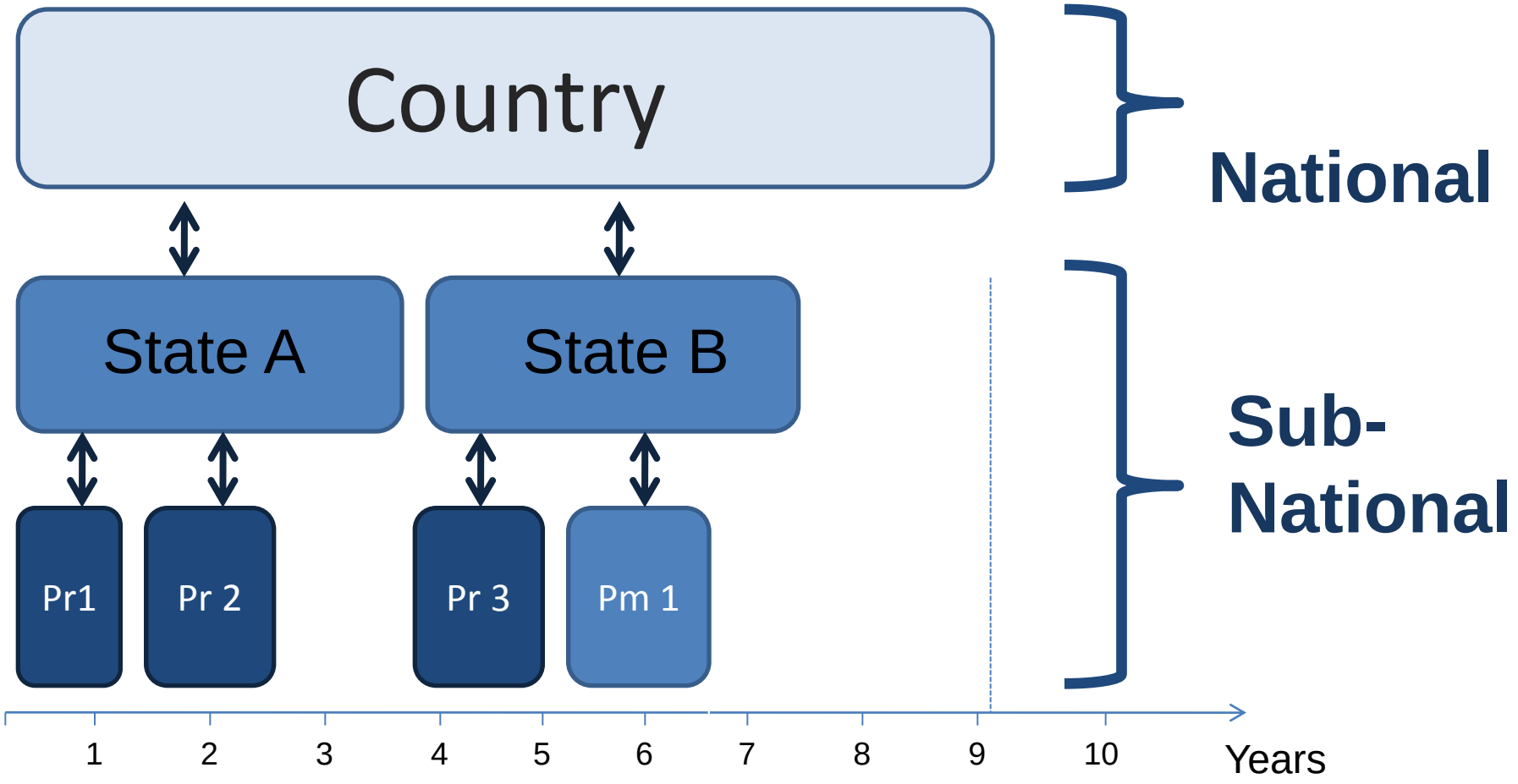
National and Jurisdictional Governments

- ✓ Different regions, drivers and agents of deforestation
- ✓ Benefit from initial lessons learned and tools during readiness process
- ✓ "Free" REL for a significant portion of the country
- ✓ Maximize funding opportunities (markets + private sector)
- ✓ Leverage further projects with low implementation costs

Projects

- ✓ Avoid future problems with baselines and leakage
- ✓ Allow multi-sectoral approach for reducing deforestation
  - ✓ Land use planning
- ✓ Strengthens regional government capacity (MRV)
- ✓ Maximize funding opportunities (funds + ODA, governments, etc.)

REDD+ is being implemented at different levels in Brazil



Pr = Local Project Pm = Municipal Project

✓ National regulation

- ✓ Federal Decree 7.390/2010 – NPCC
  - ➢ ~ 36% - 39% ER target for 2020
  - ➢ Sectoral approaches: domestic Market for Brazil
- ✓ National REDD+ strategy and WPs (since 2010)
- ✓ REDD+ Bill (PL 195/2011 and 212/2011)

✓ Jurisdictional regulation (States)

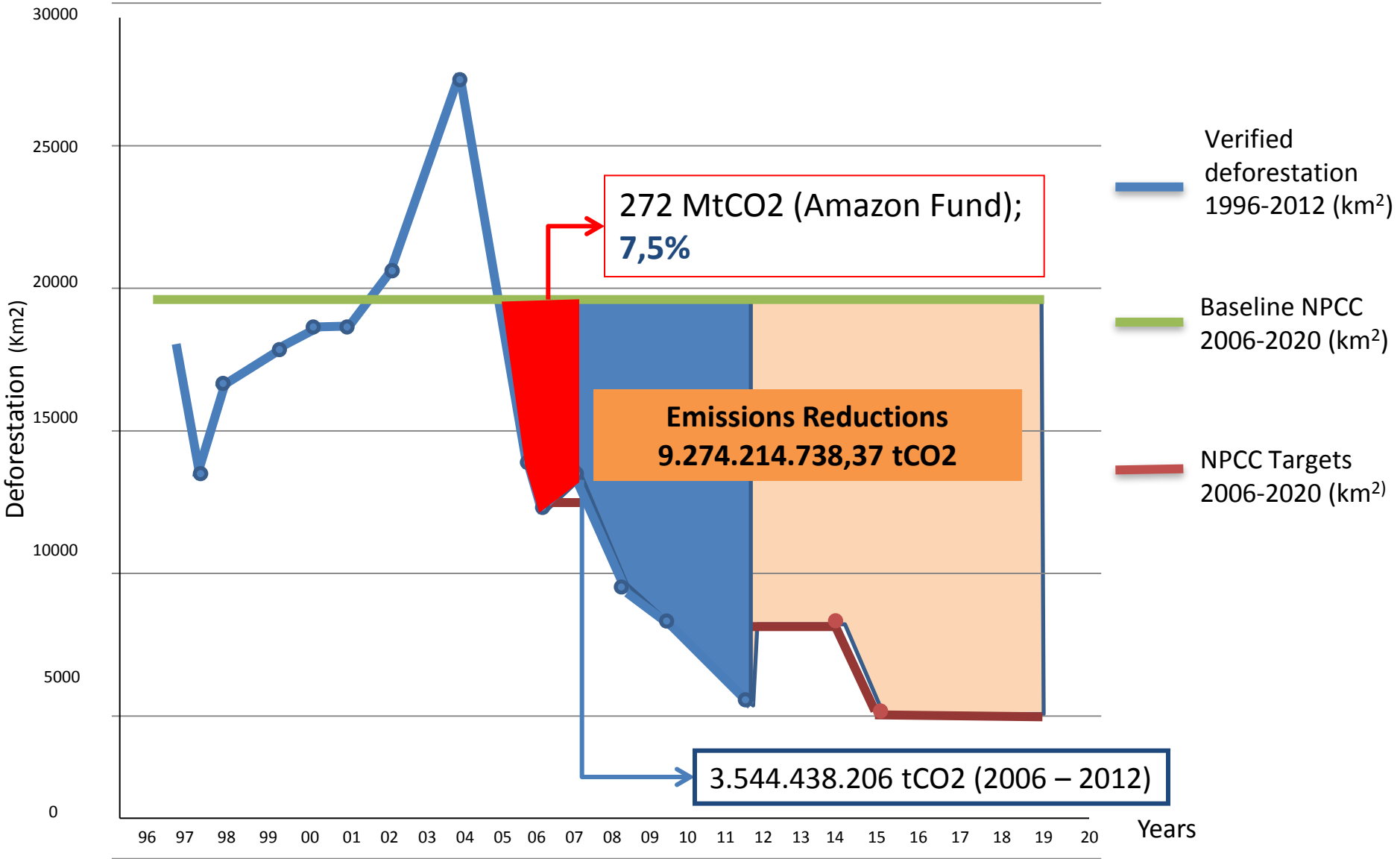
- ✓ State REDD+ regulation:
  - ✓ Acre's State Law of Environmental Services (Approved in 2011)
  - ✓ Mato Grosso Law for REDD+ (Approved in 2012)
  - ✓ Amazonas's State Law for Environmental Services (Public Consultation since 2010) (PEMC 2007)
  - ✓ Amapá and Rondônia (under construction)

✓ At least 21 Projects under development

- ✓ 01 validated VCS + CCB (Surui REDD Project)
- ✓ 03 validated VCS (Cikel, Santa Maria and Purus)
- ✓ 01 validated at CCB (Juma)

Emission Reductions in the Amazon (top down):

Baseline, targets and REDD+ for 2020



Amazon Fund financial flows (2009 - 2013)

Committed (up to 2013):
$ 700 Million
(Norway, KFW, Petrobras)

Disbursed (2013):
$ 127 Million (17%)

Pipeline of Projects
35 Approved
U$ 220 Millions

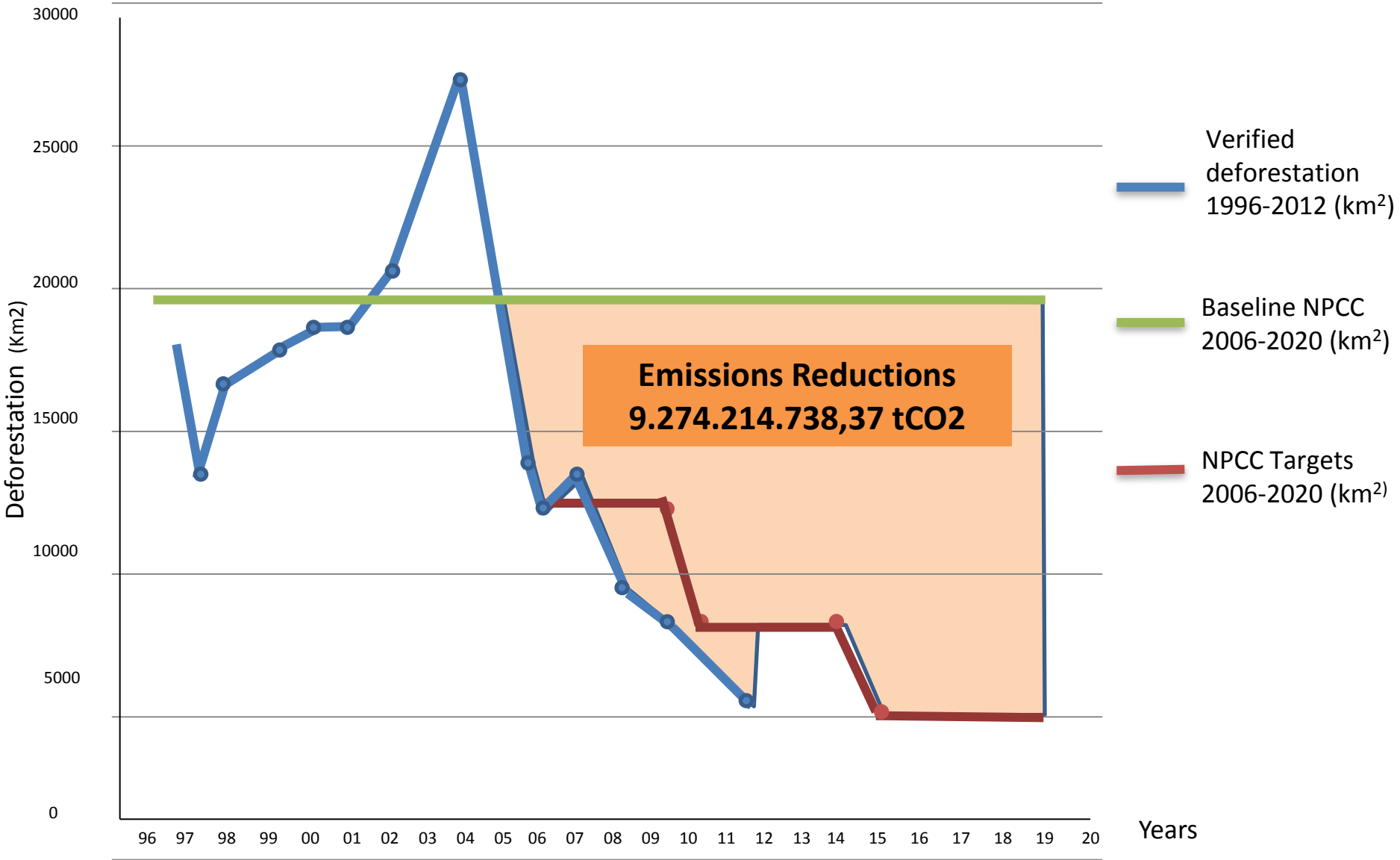
Disbursed to projects:
$ 74 MtCO2 (34%)

In BNDES accounts:
$ 53 MtCO2 (24%)

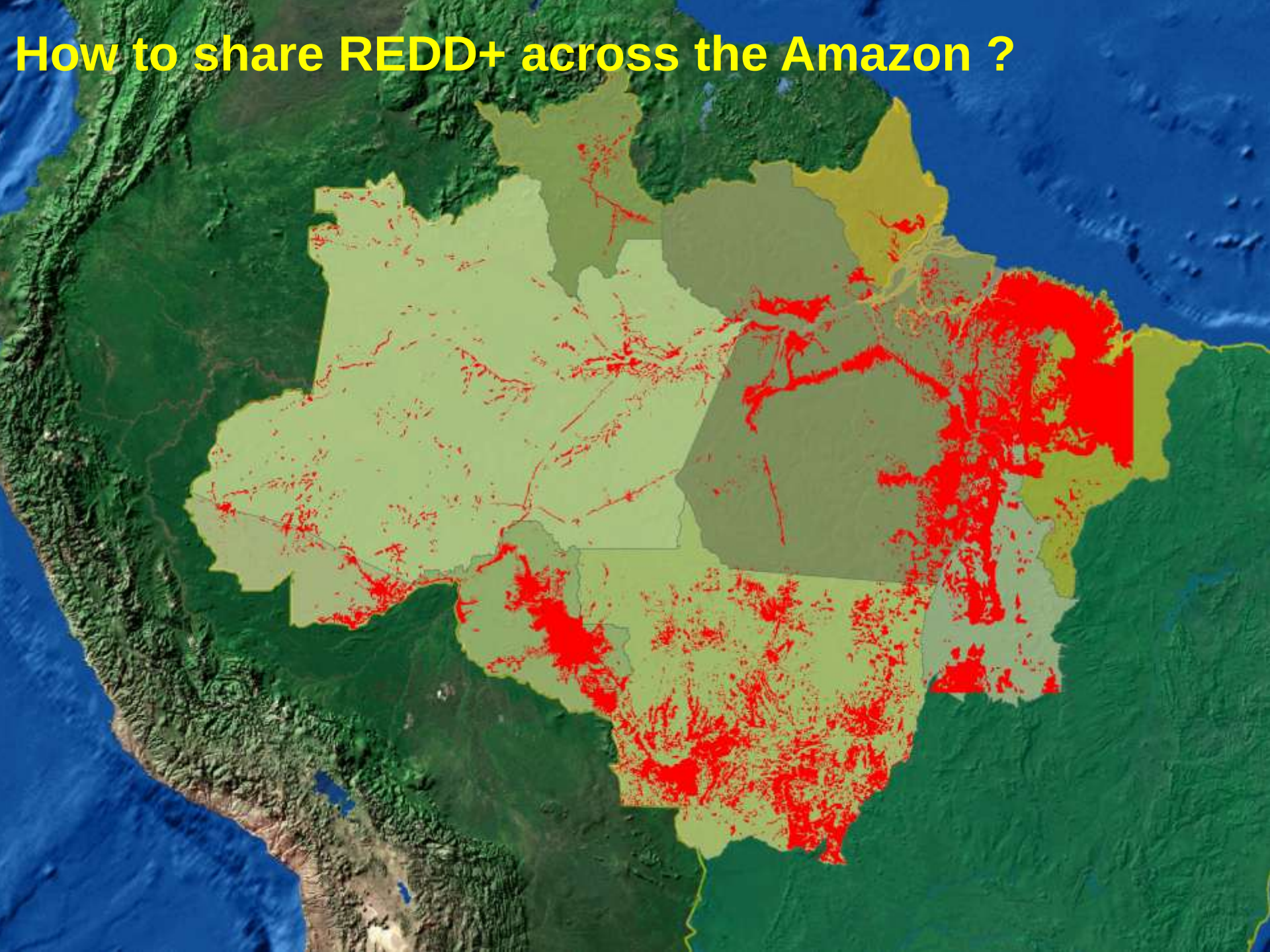
Negative Cashflow:
$ 93 MtCO2

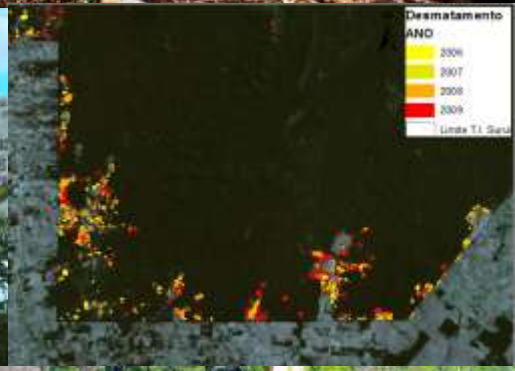
http://reddx.forest-trends.org/

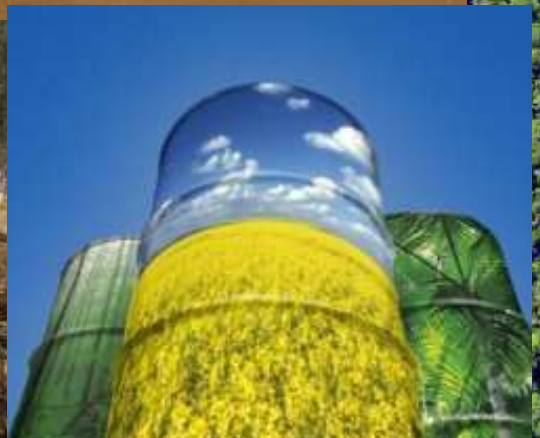
NPCC: Baseline and targets for REDD+ in the Amazon (2006-2020)



How to share REDD+ across the Amazon ?







Drivers of deforestation

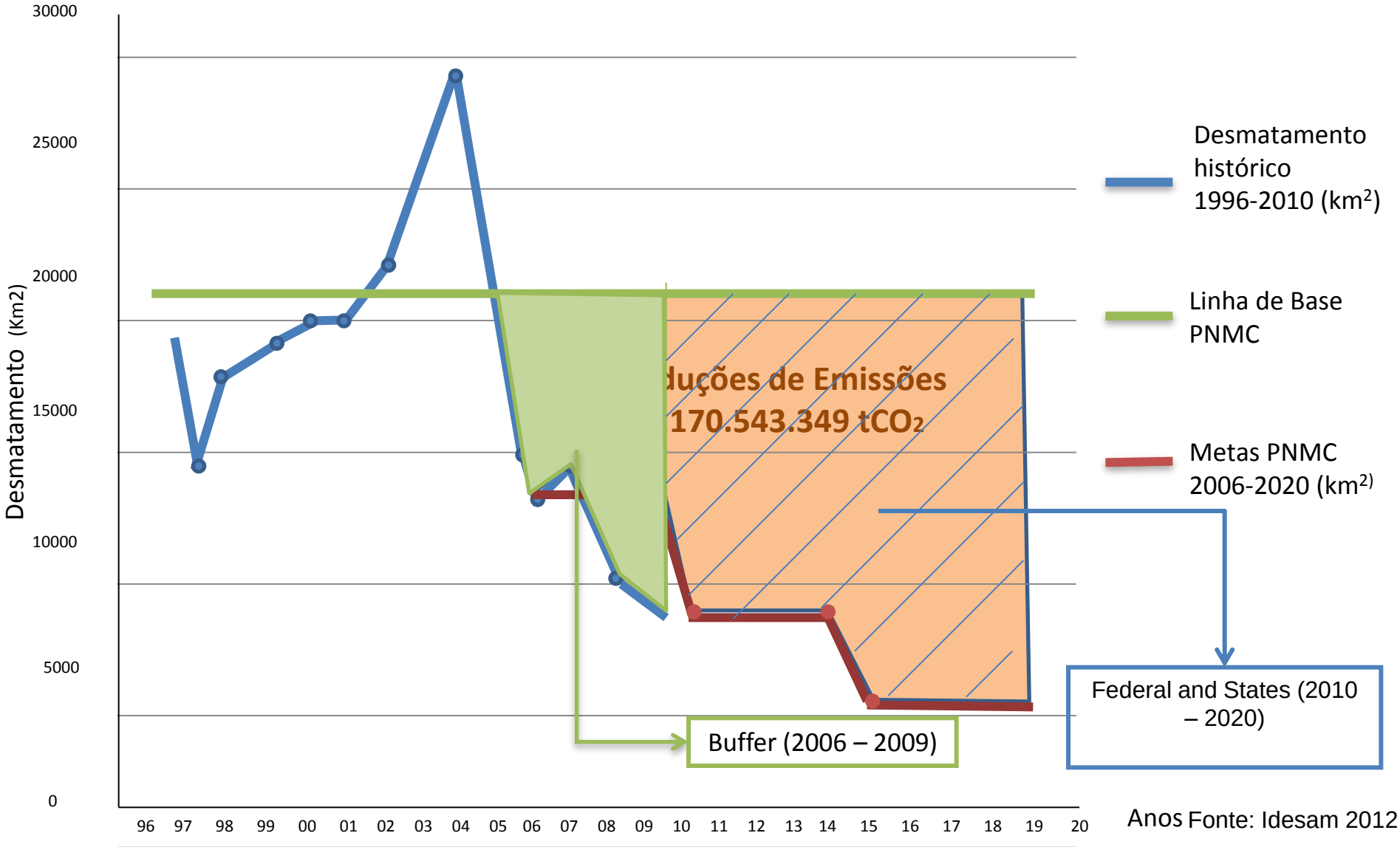
Key issues for consideration

- ✓ The amazon region has different government policies, land rights, stakeholders, drivers and agents of deforestation… “one size does not fits all”
- ✓ Amazon states have autonomy and are moving towards implementation of their REDD+ programs
- ✓ It is necessary to avoid double counting between projects, jurisdictions and national programs
- ✓ **Maximize** funding opportunities from different sources: domestic, international, public and private, market and non market based mechanisms…

A Nested Approach for REDD+ in the Amazon

A proposal from the Brazilian GCF States (Acre, Amazonas, Pará, Mato Grosso and Tocantins)

UREDD+ allocation within Buffer, Federal Government and States (2010-2020)



Fonte: Idesam 2012

80%

20%

9.274.214.738 tCO_2 UREDD (2006 - 2020)

A National REDD+ Commission should define:

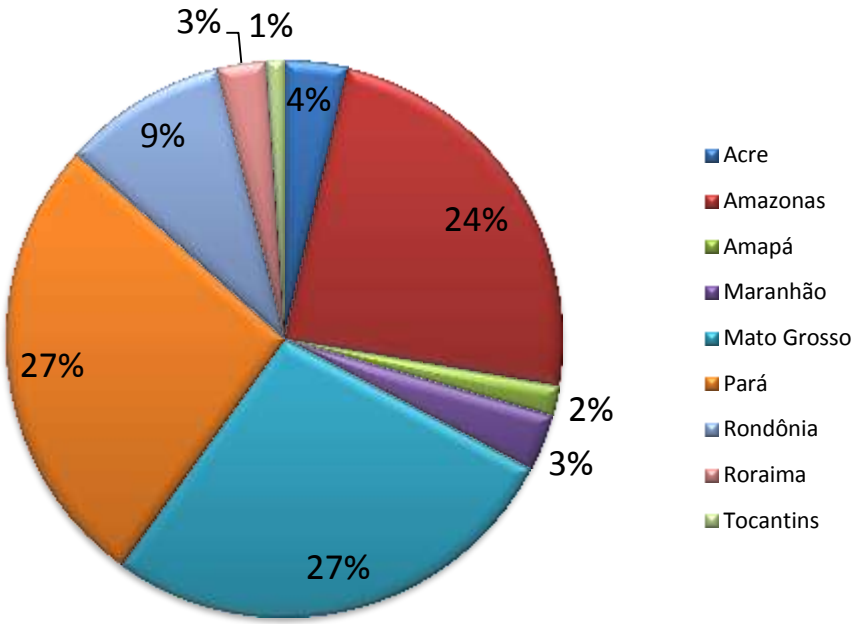
X% of UREDDs for Markets

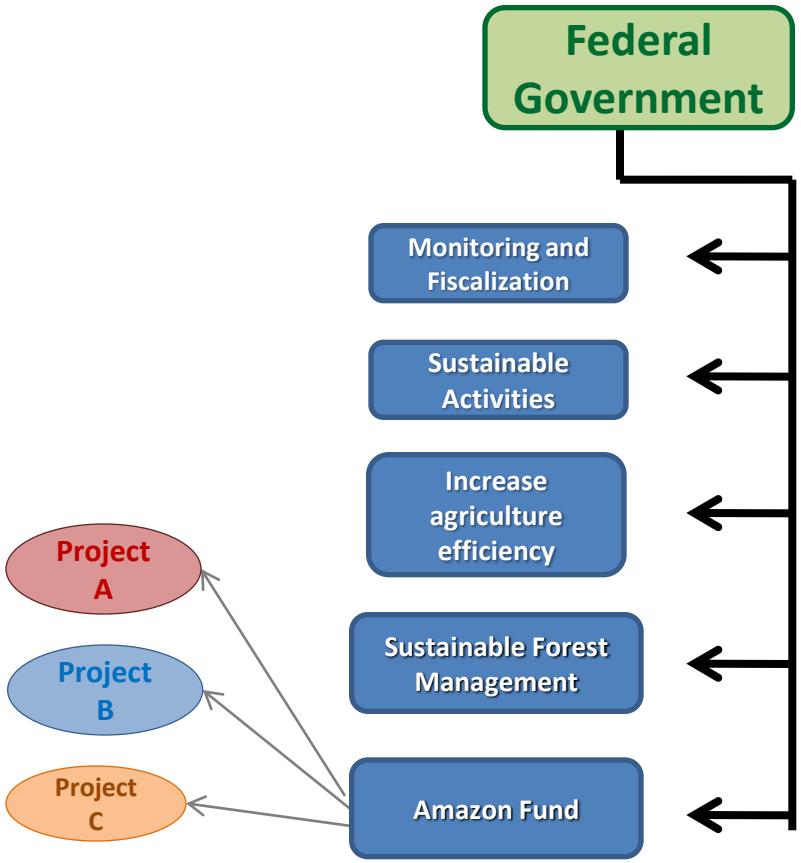
Y% of UREDDs retail for domestic and performance-based payments

7,419 GtCO2

1, 854 GtCO2

Alocation UREDD - 2006/2020





2006

Acre	132	
Amazonas	1.459	
Amapá	117.188,00	3,5%
Maranhão	92.997,00	2,7%
Mato Grosso	338.066,00	10,0%
Pará	911.664,00	26,9%
Rondônia	141.566,00	4,2%
Roraima	161.202,00	4,8%
Tocantins	31.008,00	0,9%
TOTAL	3.385.708,00	100%

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U-REDD: Alloc
Brazilian Amazon
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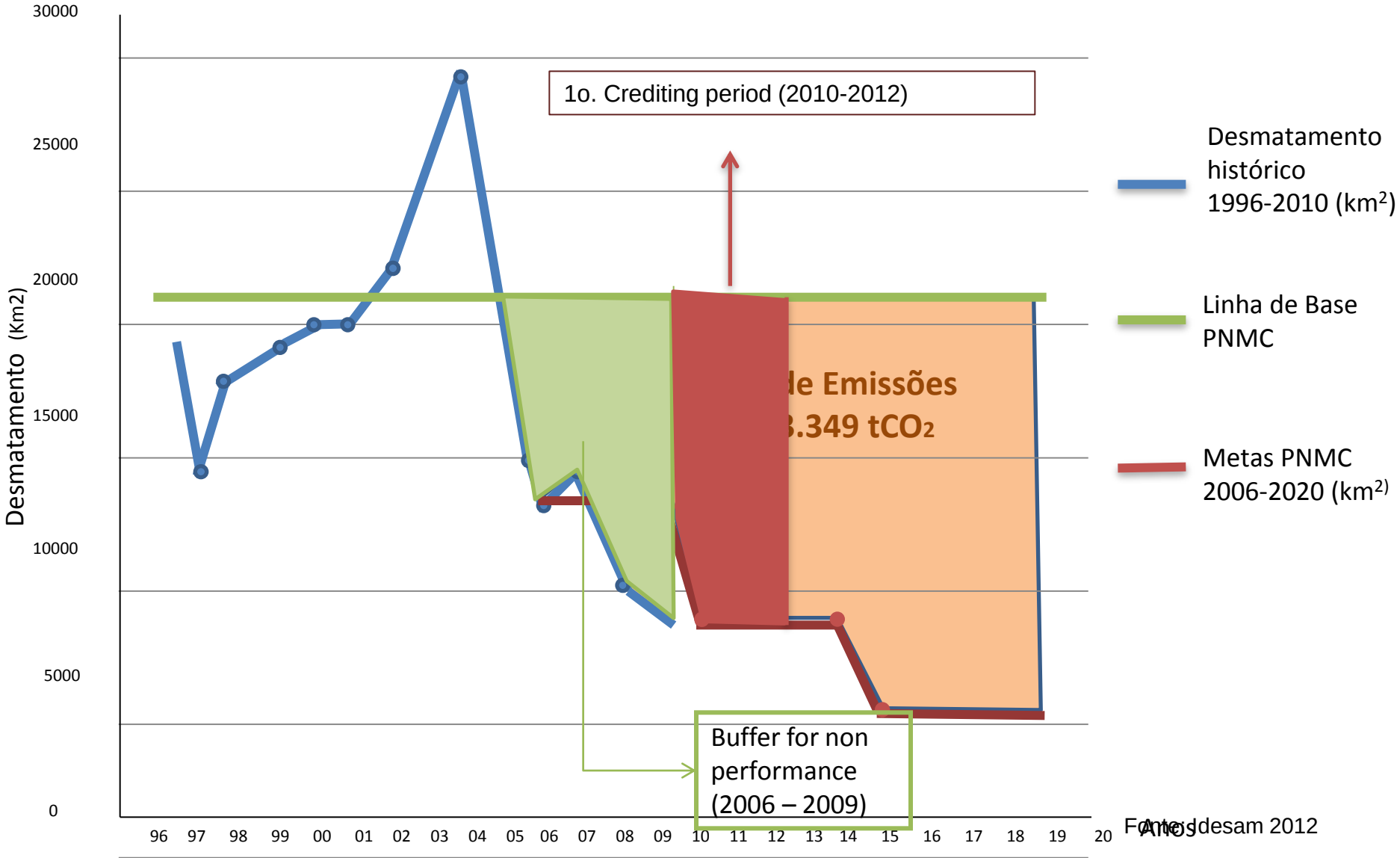
to flow and 50%

Forestry Area(km2) by 2006 (Brazilian Amazon)
(Source: BANTER)

Forest Carbon Stocks by State in relation to Brazilian Amazon forest carbon stocks (%)

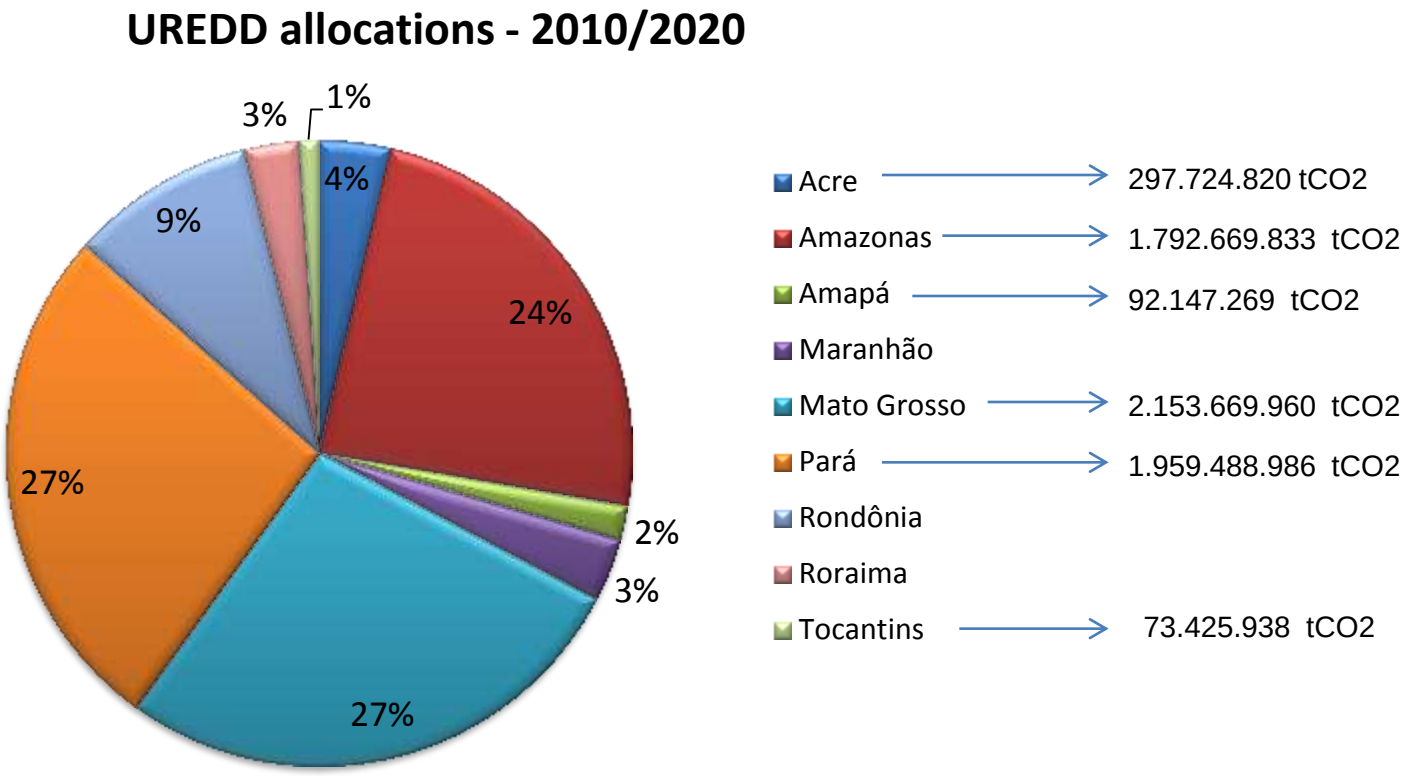
Fontes: Cattaneo. A, 2009 ; OSIRIS, 2009 ; BANTER, 2010.

UREDD+ allocation based on crediting periods (2010-2012)



Fonte: Idesam 2012

Alocations for Amazon GCF States (2010 – 2020)



Fonte: Idesam 2012

The State of Amazonas Environmental Services and REDD+ Proposal

AMAZONAS
GOVERNO DO ESTADO

The Amazonas State REDD+ System: a nested approach proposal for the Amazon

IDESAM
Institute for Conservation and Sustainable Development of Amazonas

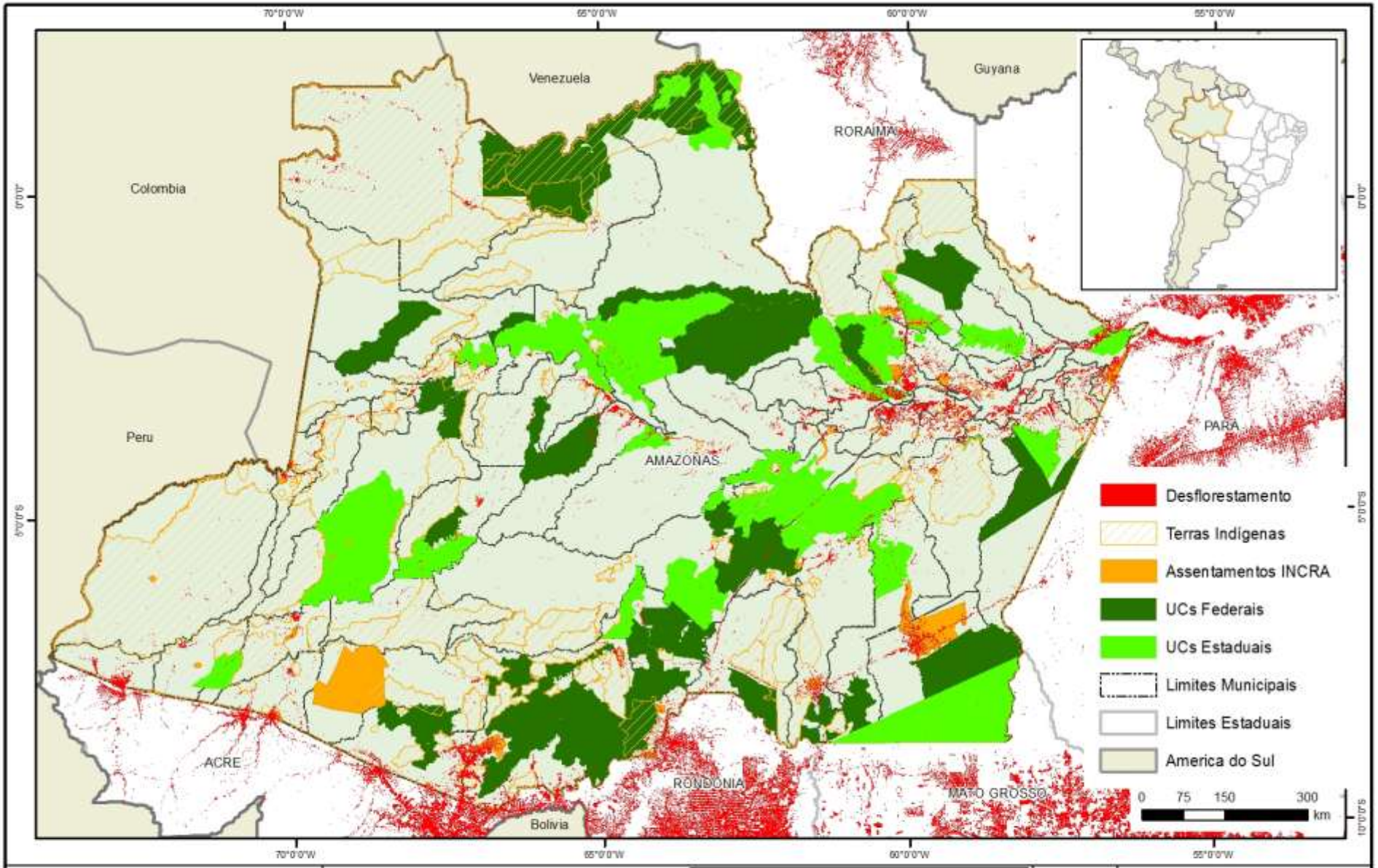
FOREST TRENDS

CD CARBON DECISIONS INTERNATIONAL

Amazonas CECLIMA
CENTRO ESTADUAL DE MUDANÇAS CLIMÁTICAS

Apoio financeiro:

kfw ENTWICKLUNGSBANK



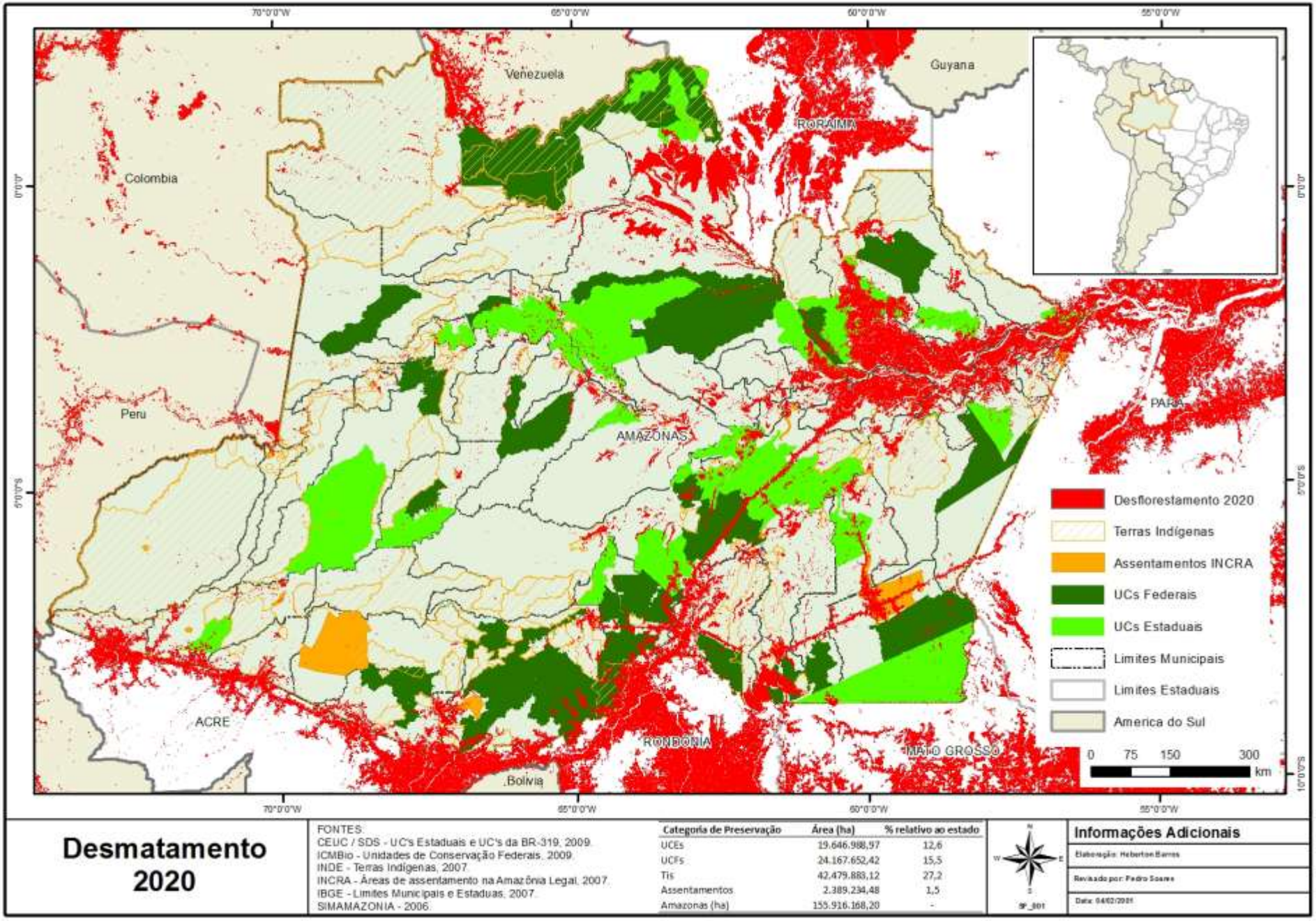
Desmatamento 2010

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 Estaduas, 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
Amazonas (ha)	155.916.168,20	-

Informações Adicionais

Elaboração: Heberton Barros
Revisado por: Pedro Soares
Data: 04/02/2011



Desmatamento 2020

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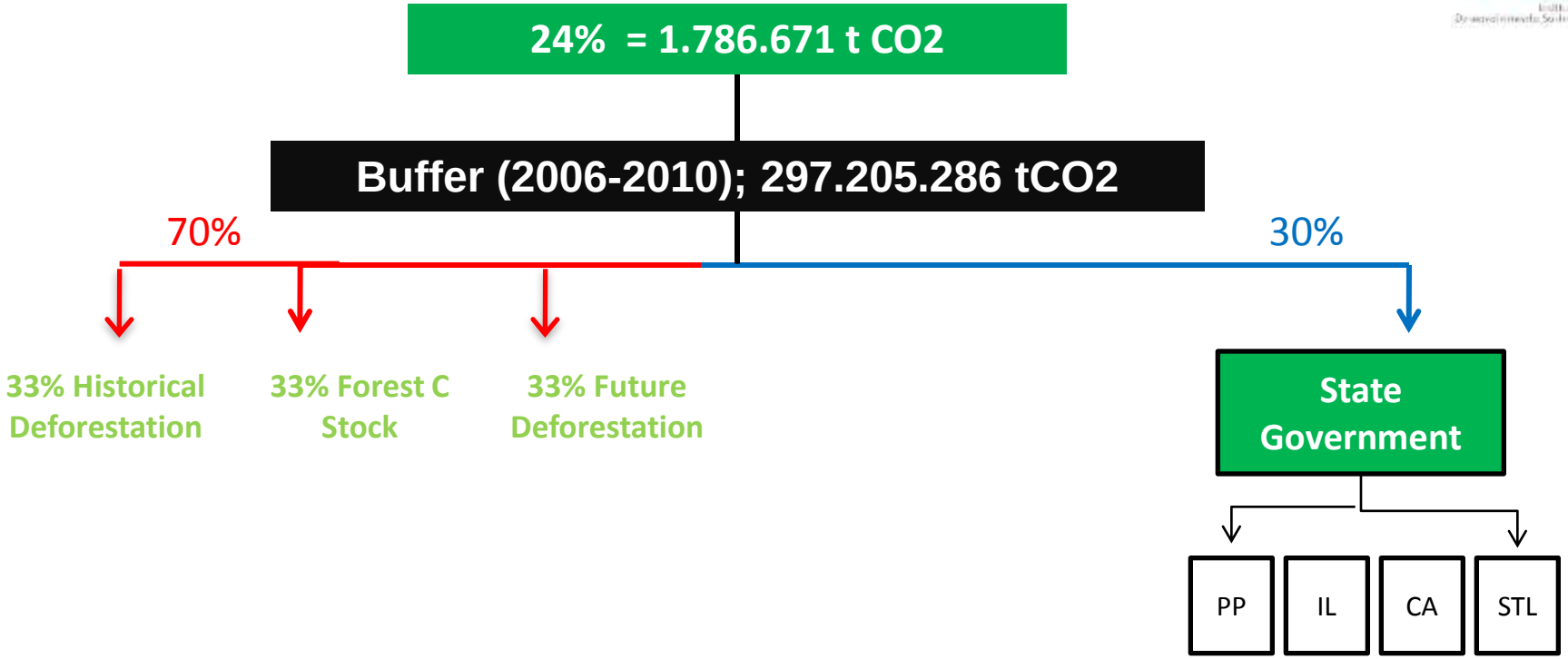
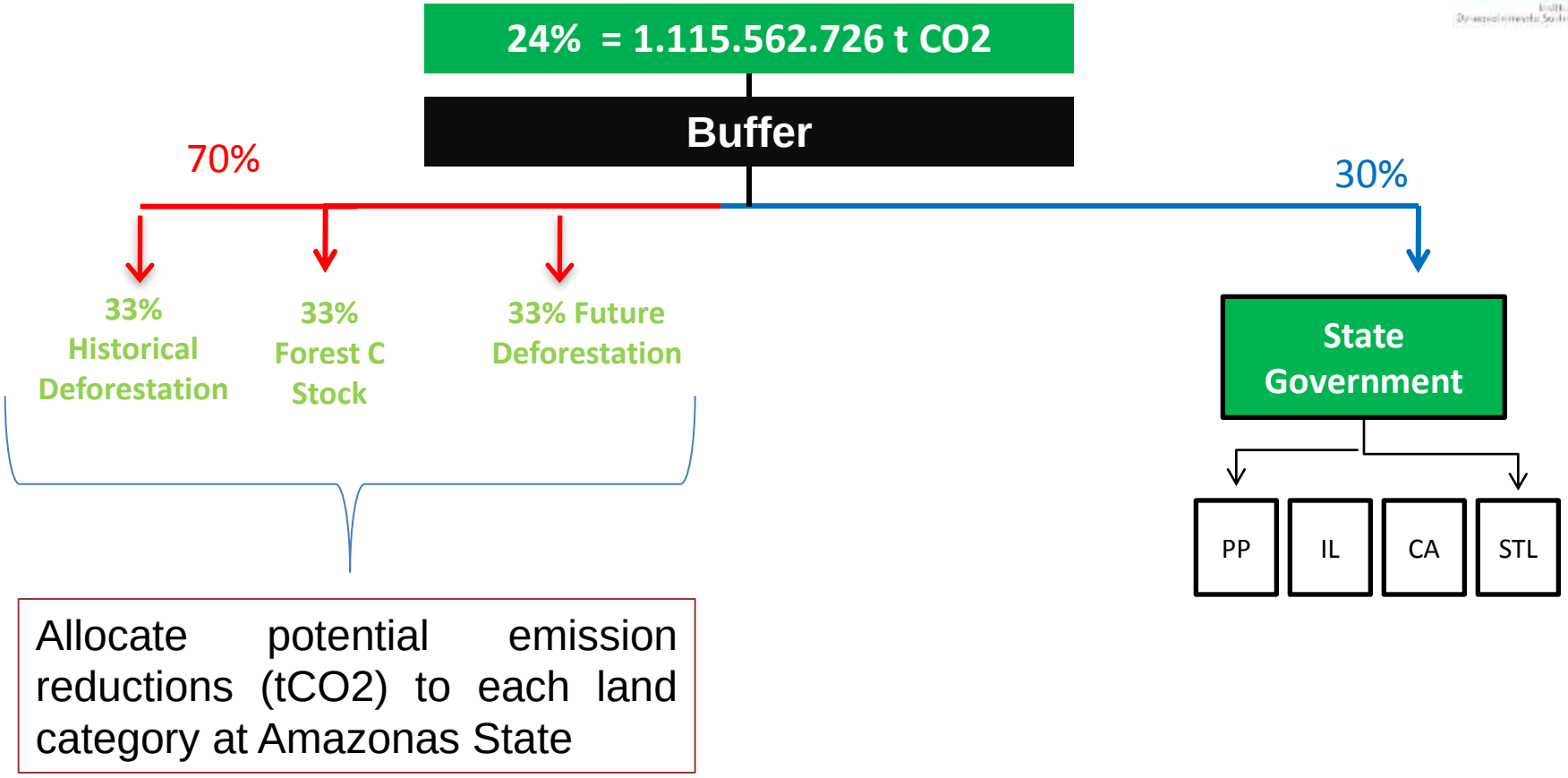
U-REDD AM (2006 - 2020)



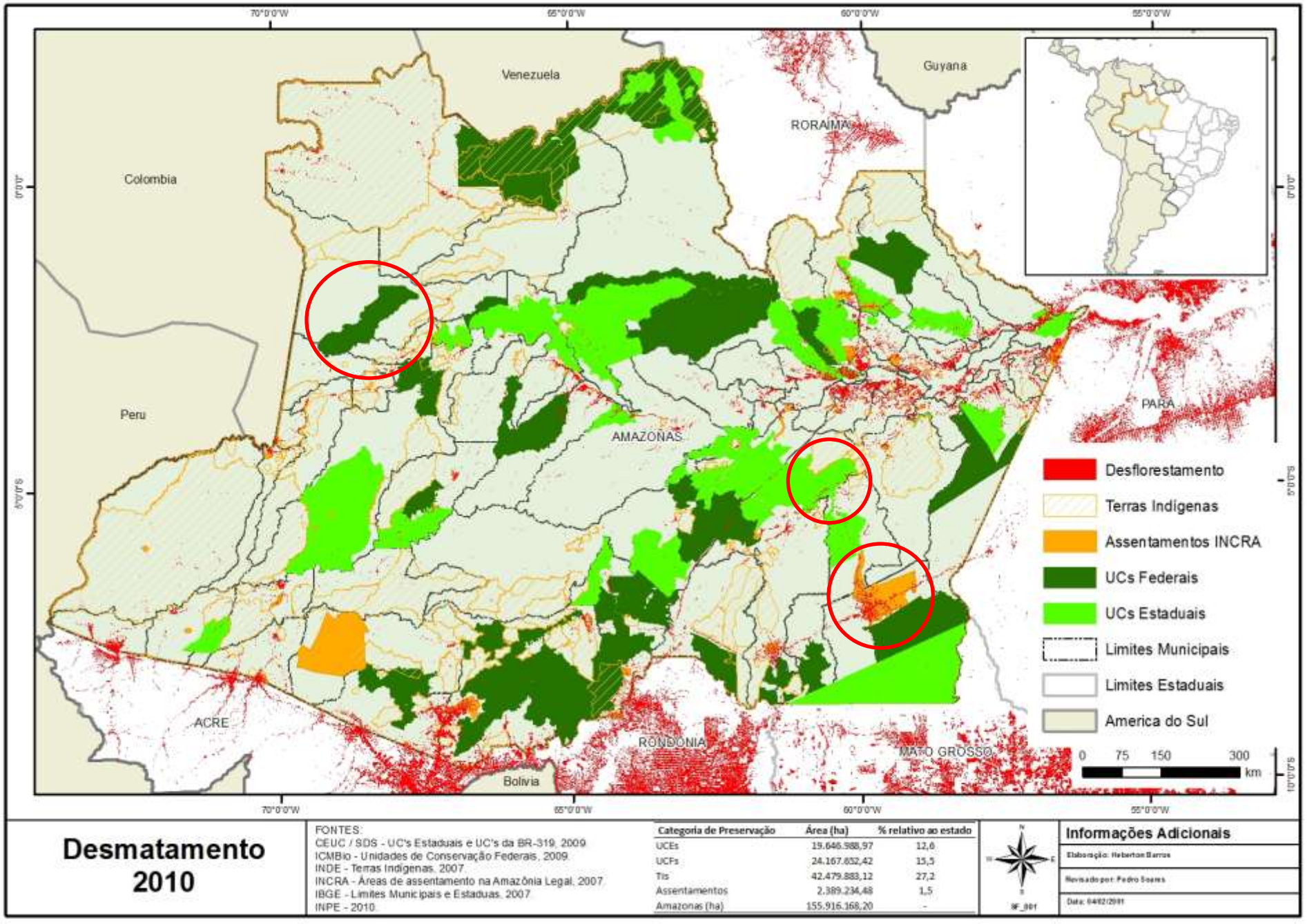
- **Historical Deforestation Rates (flow):** Allocation to consolidated deforestation frontier
- **Forest Carbon Stocks (stock):** Balanced distribution to non-threatened areas
- **Future Deforestation Risk Map:** Allocation to future deforestation frontiers

U-REDD AMAZONAS (2006 - 2020)



Allocate potential emission reductions (tCO2) to each land category at Amazonas State

Call for Projects | Indigenous Lands | Rural Settlements | State Protected Areas



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Indigenous Land
Médio Rio Negro

Forestry Area: 1.673.240 ha, without historical deforestation rates and without projected deforestation (Forest C Stocks)

State Protected Area
(RDS Rio Madeira)

Forestry Area: 216.178 ha, with low historical deforestation rates and with projected deforestation (Forest C Stocks + Future pressure)

Rural Settlement
(PA Juma)

Forestry Area: 449.063 ha, with historical deforestation rates and with projected deforestation (Forest C Stocks + Historical deforestation + Future pressure)

T.I. Médio Rio Negro

Step 1. Carbon Stocks (33%):

T.I. Médio Rio Negro: 1.673.240 hectares of tropical forests
Amazonas State: 145.857.084 hectares of tropical forests

Thus, T.I. Médio Rio Negro represents 1,14% of Amazonas´s forest carbon stocks

Step 2. Consolidation

Allocation to T.I. Médio Rio Negro: (0,33* 0,0114) = 0,38% of Amazonas
Allocation or 3,27% of allocation for Indigenous Land → 2.357.802 tCO_2

RDS RIO MADEIRA

Step 1: Carbon Stocks (33%)

RDS Rio Madeira: 216.178 hectares of tropical forests
Amazonas State: 145.857.084 hectares of tropical forests

Thus, RDS Madeira represents 0,14% of Amazonas´s forest carbon stocks

Step 3: Consolidated Deforestation until 2020 (33%)

RDS Juma: 5.336,4 hectares of deforestation until 2020
Amazonas State: 6.291.920,94 hectares of deforestation until 2020

Thus, RDS Madeira represents 0,08% of Amazonas´s projected deforestation

Step 4: Projected Deforestation until 2020 (33%)

Allocation to RDS Madeira: (0,33*0,0014) + (0,33*0,0008) + (0,33* 0,0007) = 0,1% of Amazonas´s allocation or 1% of allocation for State PA → 756.353 t CO2

Step 2: Historical Deforestation (33%)

RDS Madeira: 60 ha/yr
Amazonas State: 81.031 ha/yr

Thus, RDS Madeira represents 0,07% of Amazonas´s historical deforestation10

Rural Settlement of Apuí – PA Juma

Step 1: Carbon Stocks

PA Juma: 449.063 hectares of tropical forests
Amazonas State: 145.857.084 hectares of tropical forests

Thus, Apuí represents 0,3% of Amazonas´s carbon stocks

Step 4:

Step 2: Historical Deforestation (33%)

Allocation to Apuí Rural Settlement:

Apuí: Average of 6.913 ha/year of deforestation hectares of deforestation
Amazonas State: Average of 81.031 ha/year of deforestation
(0,33*0,003)+(0,33*0,085)+(0,33*0,023) = 3,66% of Amazonas Allocation or 37% of allocation for rural settlement → 22.833.452 t CO_2
Thus, Apuí represents 8,5% of Amazonas´s historical deforestation

Step 3: Projected Deforestation until 2020 (33%)

Apuí: 145.023 hectares of deforestation until 2020
Amazonas State: 6.291.920,94 hectares of deforestation until 2020

Thus, Apuí represents 2,3% of Amazonas´s projected deforestation

U-REDD Allocation (2010-2020)

T.I. Médio Rio Negro: 2.357.802 t CO2

RDS Rio Madeira: 756.353 t CO2

Rural Settlement of Apuí: 22.833.452 t CO2

National Emission Reductions
9.179.641.733 tCO2

Questions and lessons learned

- Preliminary baselines + targets are an important step for early moving, but should be flexible for future changes

- Subnational is important to channel funds for readiness and jurisdictional programatic activities
  - ✓ Should be efficient, transparent and multi-stakeholder
  - ✓ Amazon, SISA Company, FAS

- Target: reducing deforestation and improving livelihoods
  - ✓ What is the best implementation arrangement?
  - ✓ Importance of learning lessons with pilots


QUEM QUER VIVER NUM MUNDO MELHOR E MAIS HARMÔNICO?
QUEM ESTÁ DISPOSTO A ABANDONAR ESSE MODELO DE CONSUMISMO DESENFREADO PARA ALCANÇAR ISSO?
LUTE
www.lutecartunista.com.br

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