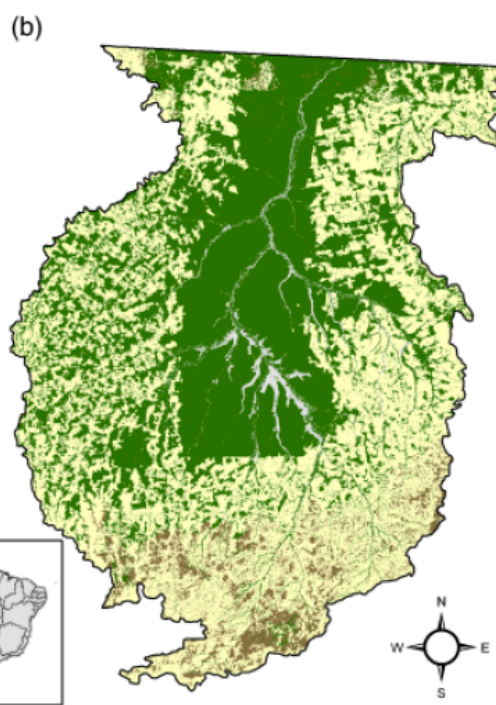
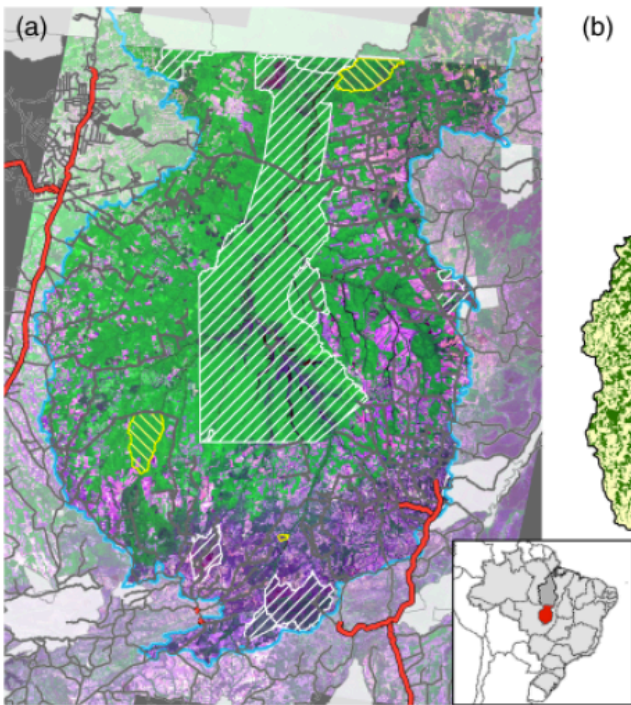


# O custo do PPCD do Acre: algumas consideracoes

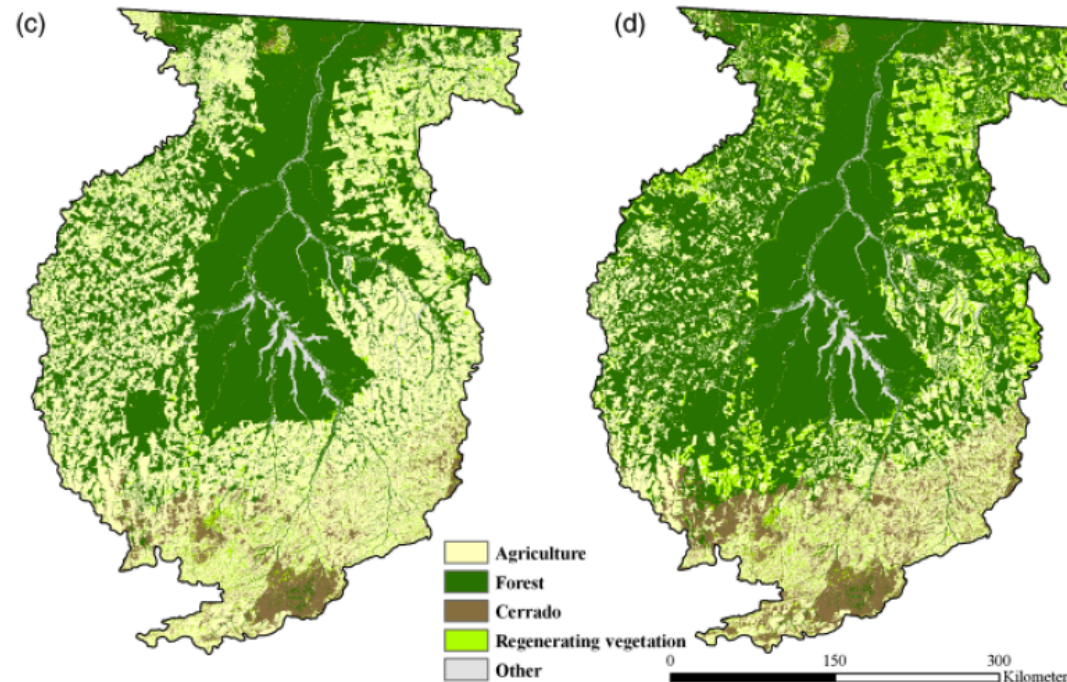
Daniel Nepstad  
IPAM, WHRC

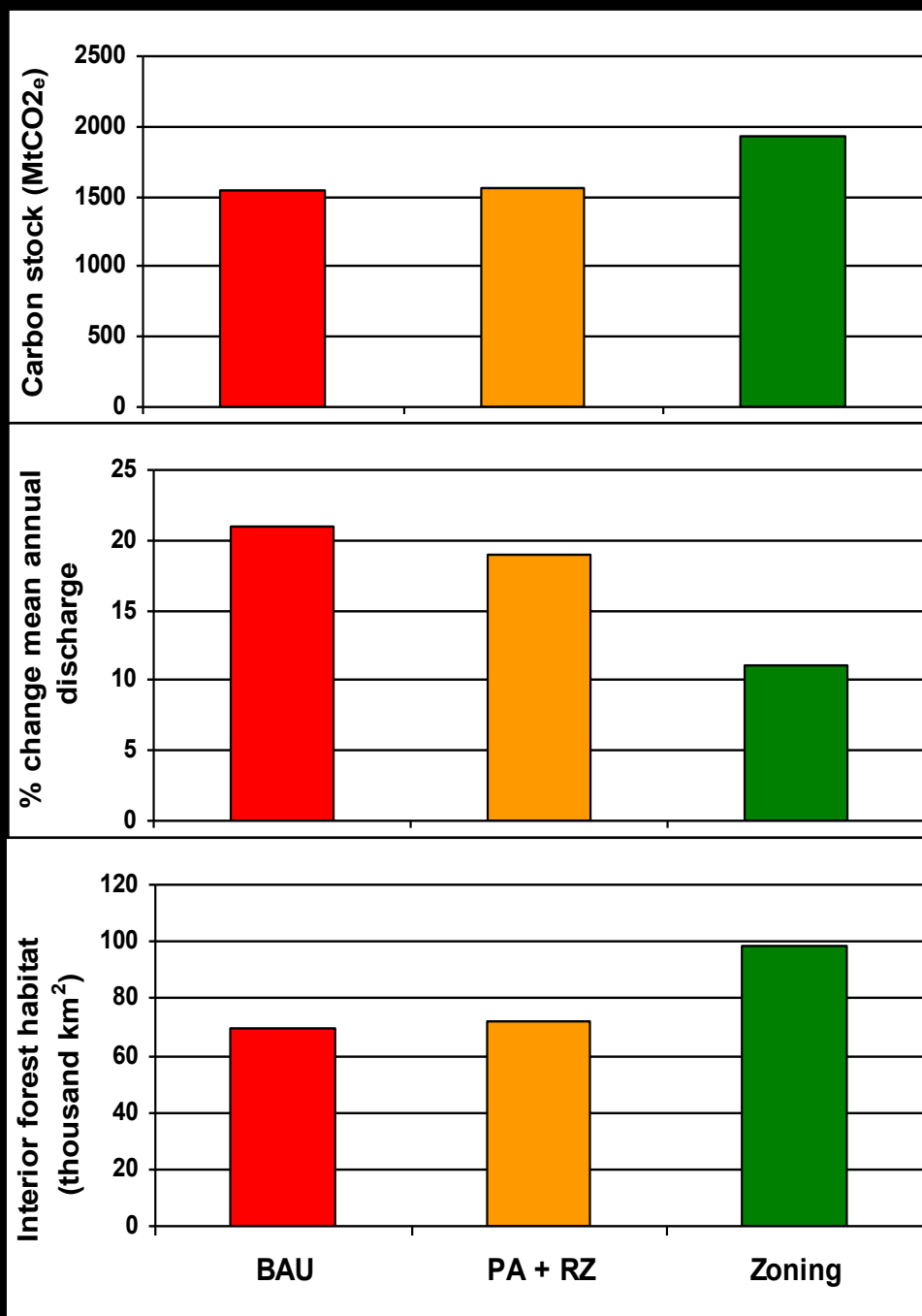
2 de marco de 2010



Rio Xingu, 2020,  
tres  
cenarios de politicas  
publicas

Stickler et al. 2009 GTCB

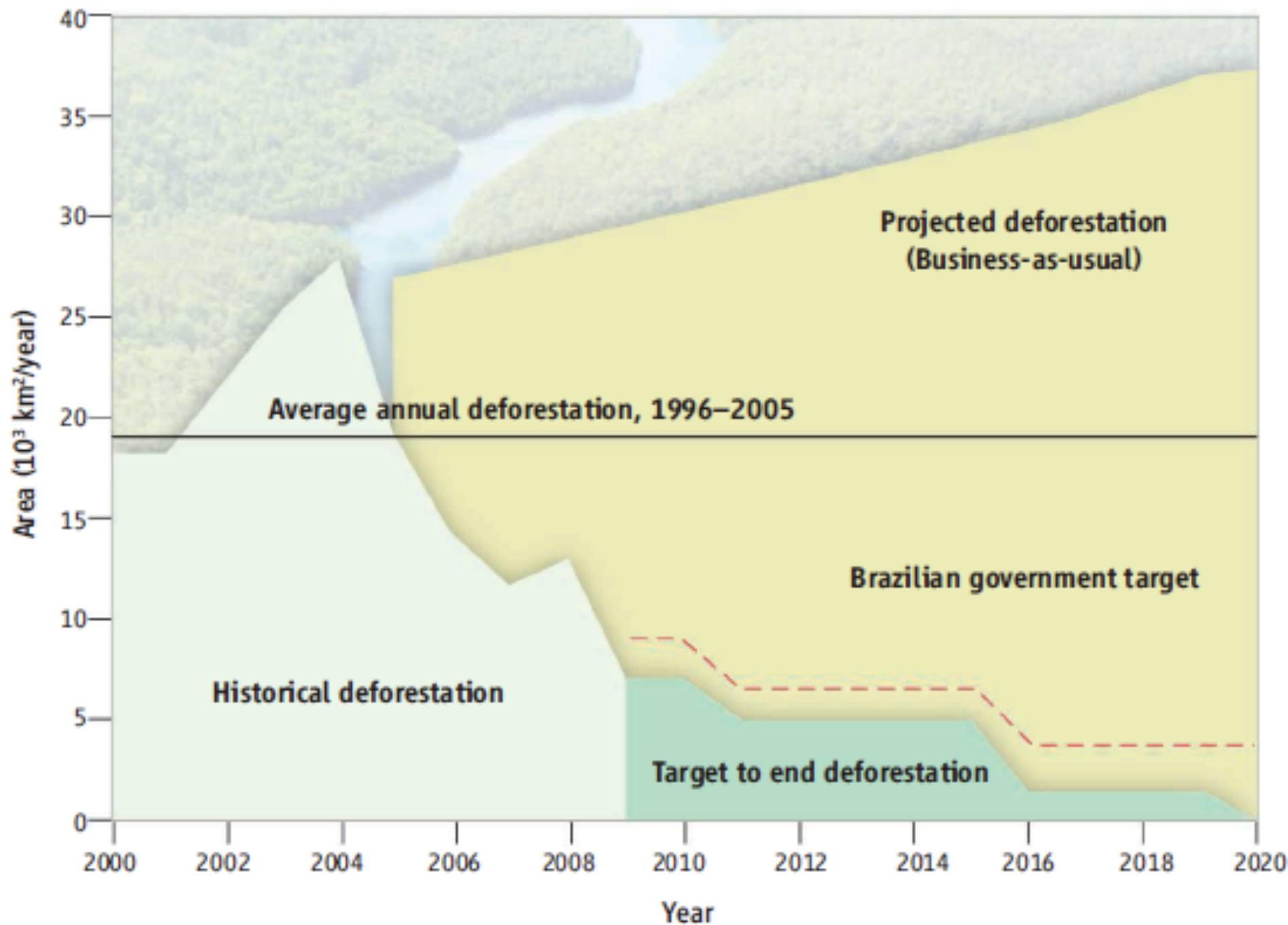




# The End of Deforestation in the Brazilian Amazon

Daniel Nepstad,<sup>1,2†</sup> Britaldo S. Soares-Filho,<sup>3†</sup> Frank Merry,<sup>1,2\*</sup> André Lima,<sup>2</sup> Paulo Moutinho,<sup>1,2</sup> John Carter,<sup>4</sup> Maria Bowman,<sup>1,2†</sup> Andrea Cattaneo,<sup>1</sup> Hermann Rodrigues,<sup>3</sup> Stephan Schwartzman,<sup>5</sup> David G. McGrath,<sup>1,2,6†</sup> Claudia M. Stickler,<sup>1,2,7</sup> Ruben Lubowski,<sup>5</sup> Pedro Piris-Cabezas,<sup>5,8</sup> Sergio Rivero,<sup>6</sup> Ane Alencar,<sup>2,7</sup> Oriana Almeida,<sup>2,6</sup> Osvaldo Stella<sup>2</sup>

“O fim do desmatamento na Amazonia Brasileira”, Science, 2009



## Estimated costs of a program to end deforestation in the Brazilian Amazon

Region or state	Forest peoples' fund (10 <sup>6</sup> U.S. \$)		Enforcement and landholder compensation (10 <sup>6</sup> U.S. \$)		Protected area management (10 <sup>6</sup> U.S. \$)		Total cost (10 <sup>6</sup> U.S. \$)	
	Low	High	Low	High	Low	High	Low	High
Brazilian Amazon	3,606	7,213	1,459	6,502	1,456	4,368	6,521	18,082
Acre	252	503	106	147	54	163	412	813
Amapá	68	135	13	12	56	168	136	315
Amazonas	565	1,129	229	116	546	1,639	1,340	2,884
Maranhão	189	377	13	248	10	31	212	656
Mato Grosso	335	669	693	4,135	80	240	1,107	5,044
Pará	1,357	2,715	280	639	488	1,464	2,125	4,818
Rondônia	580	1,159	94	1,127	79	238	752	2,524
Roraima	116	231	27	19	90	271	233	522
Tocantins	147	293	4	60	51	154	202	507

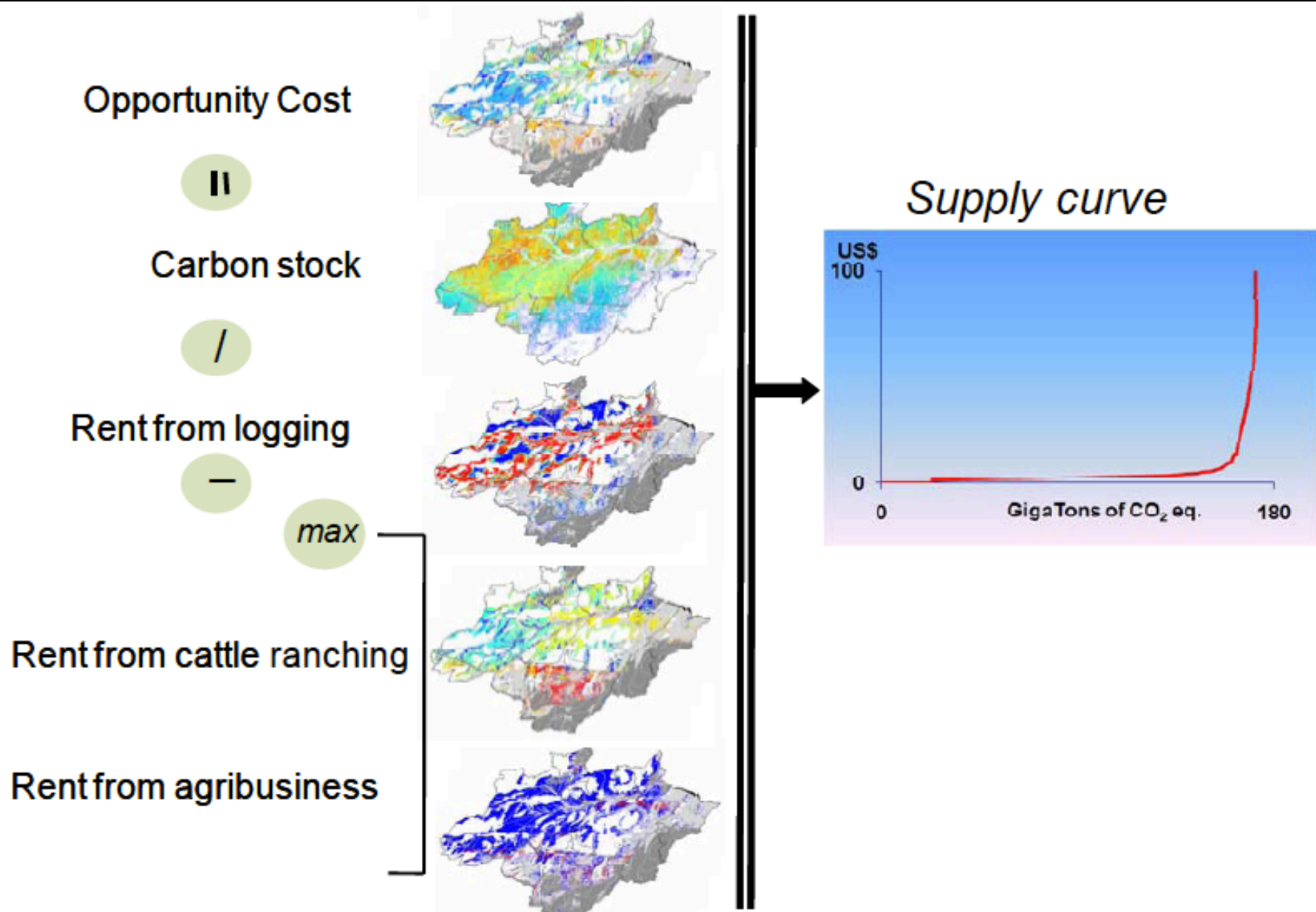
Acre: US\$400-800 milhoes entre 2010-2020 para levar desmatamento para zero

Custo de Oportunidade:

lucro que o produtor deixa de  
ganhar com a pecuaria ou  
soja devido a manutencao da floresta

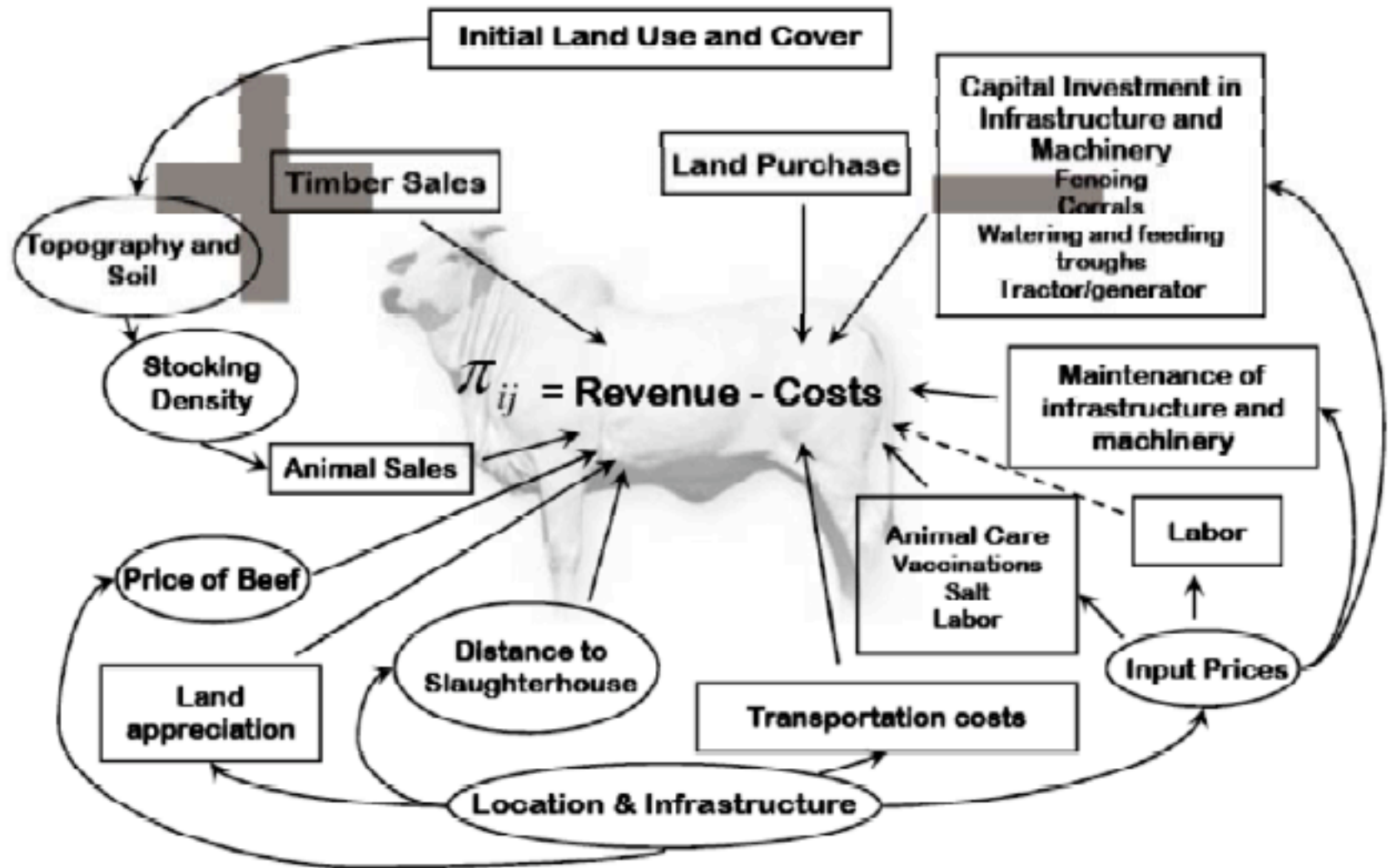


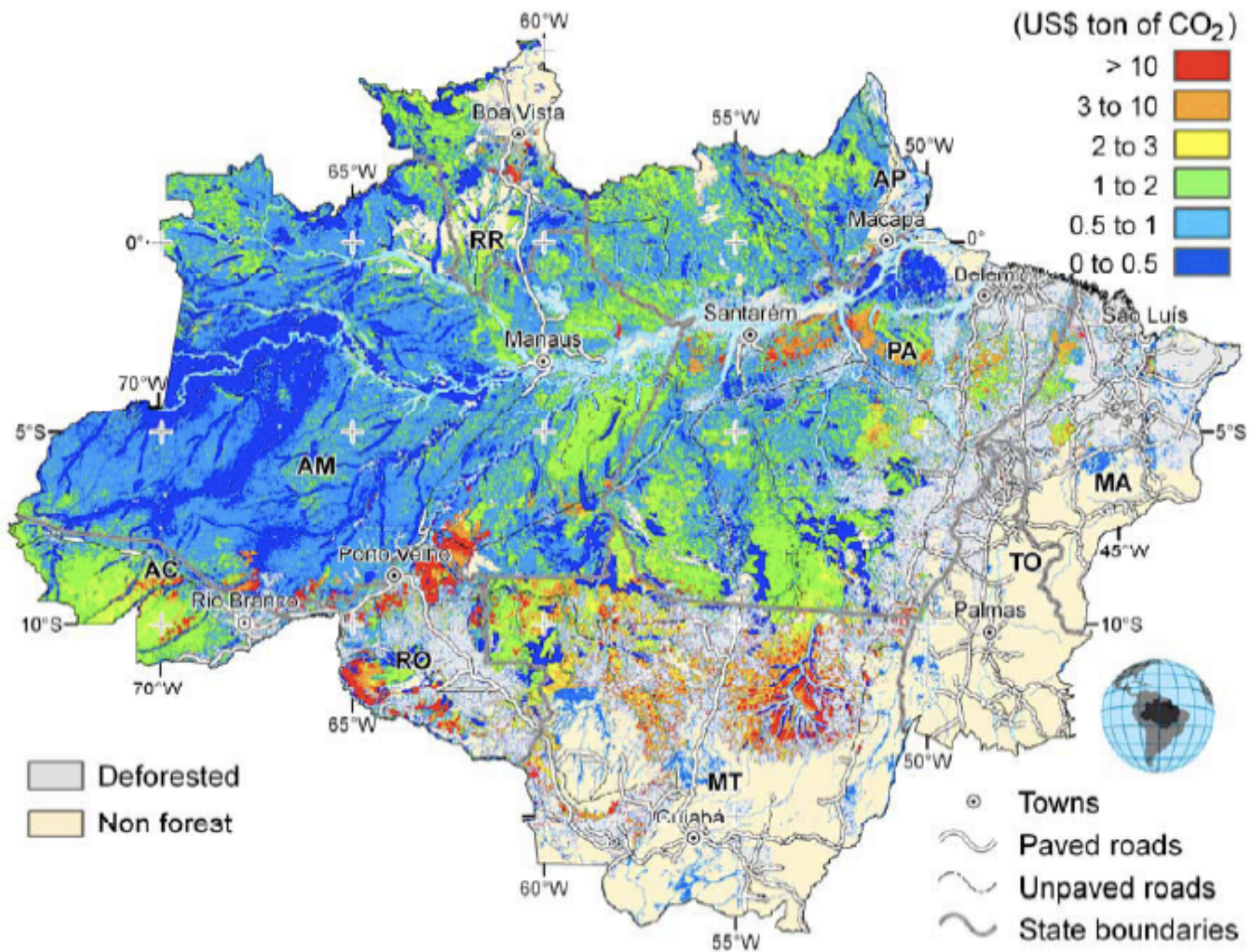
# Custo de Oportunidade para o Produtor que Deixa de Desmatar





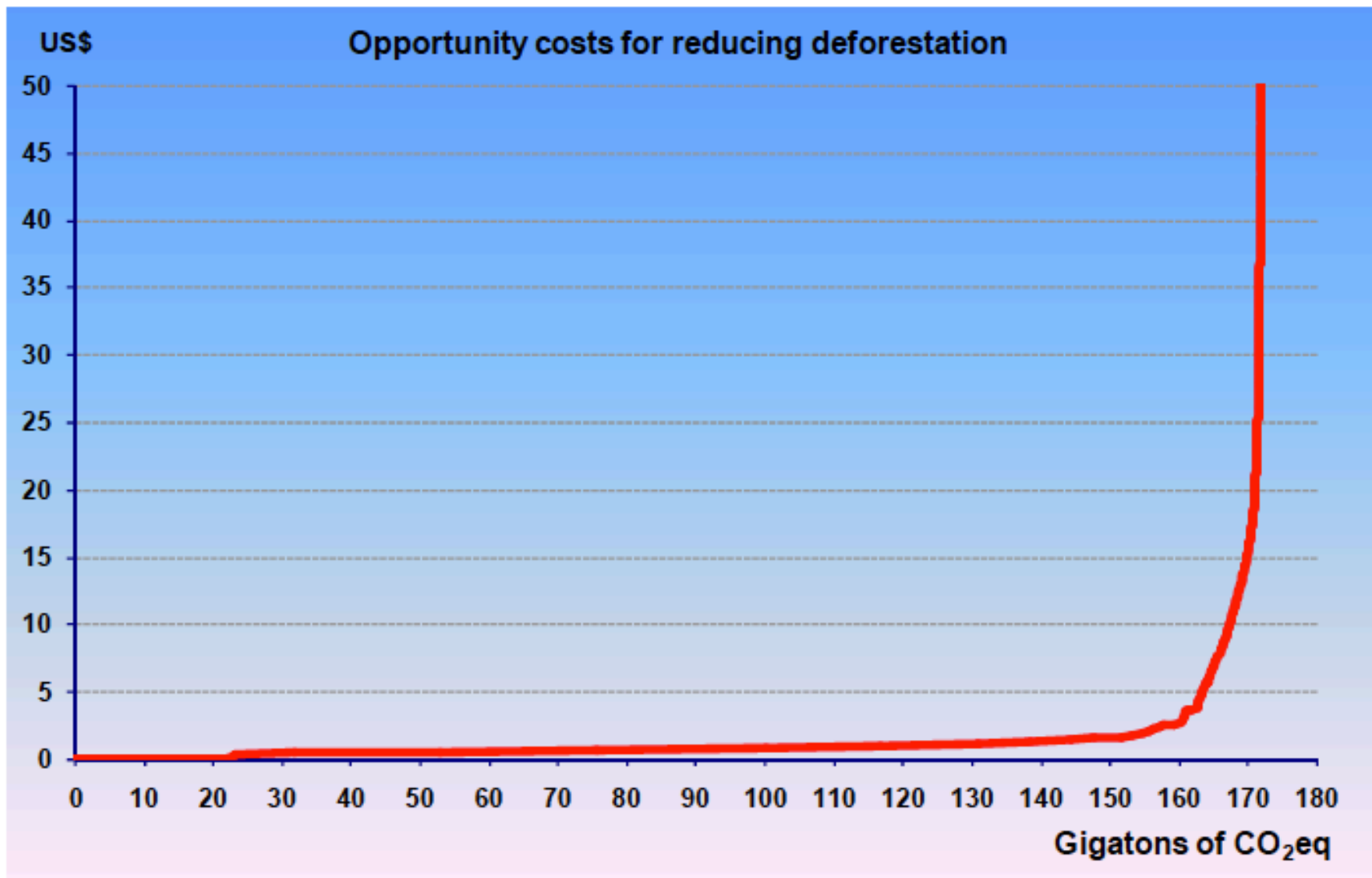
## Annual Rent per Hectare





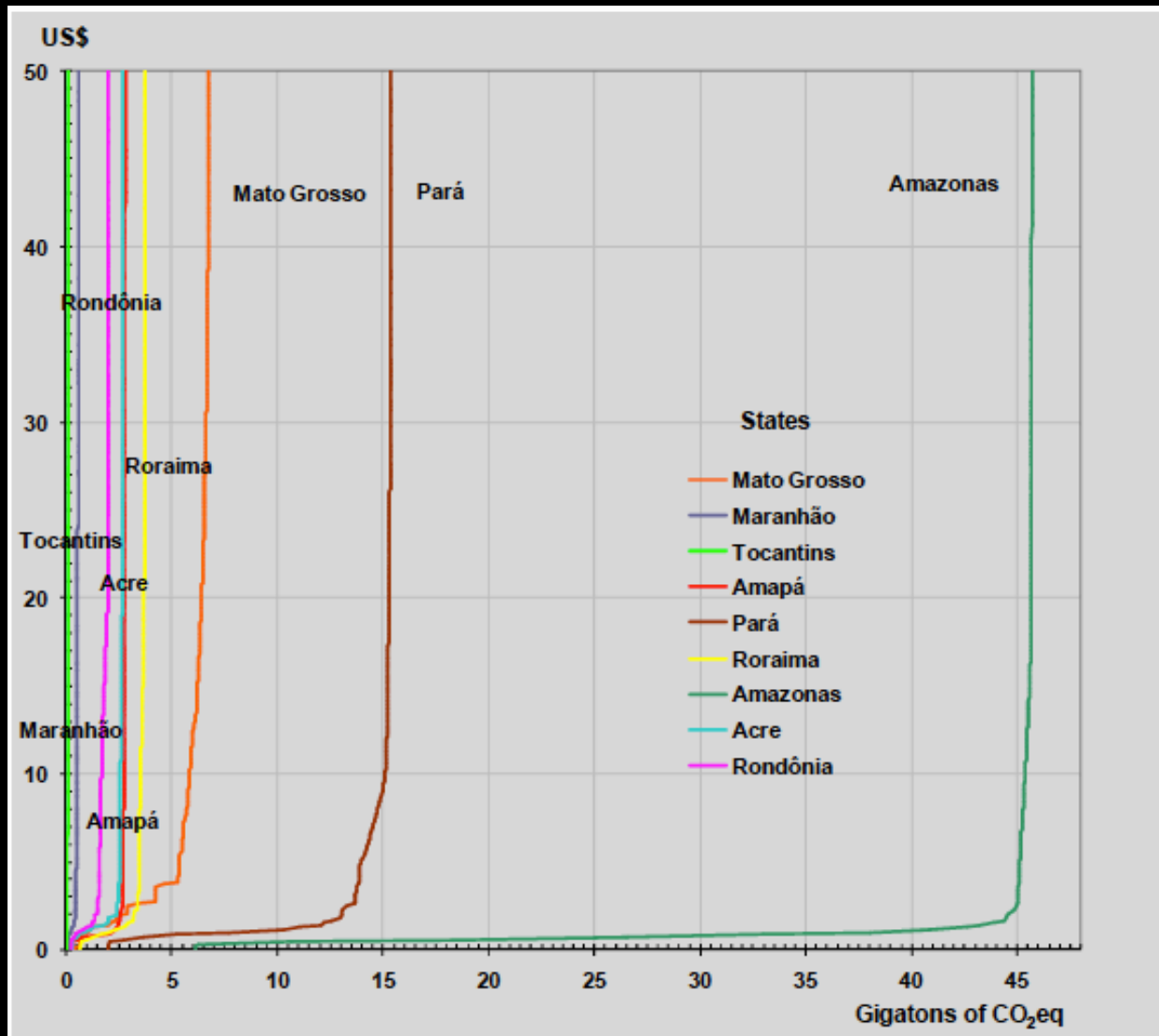
# Curva de Oferta de Creditos, Amazonia

Custo por Tonelado de CO<sub>2</sub> (US\$/tCO<sub>2</sub>)



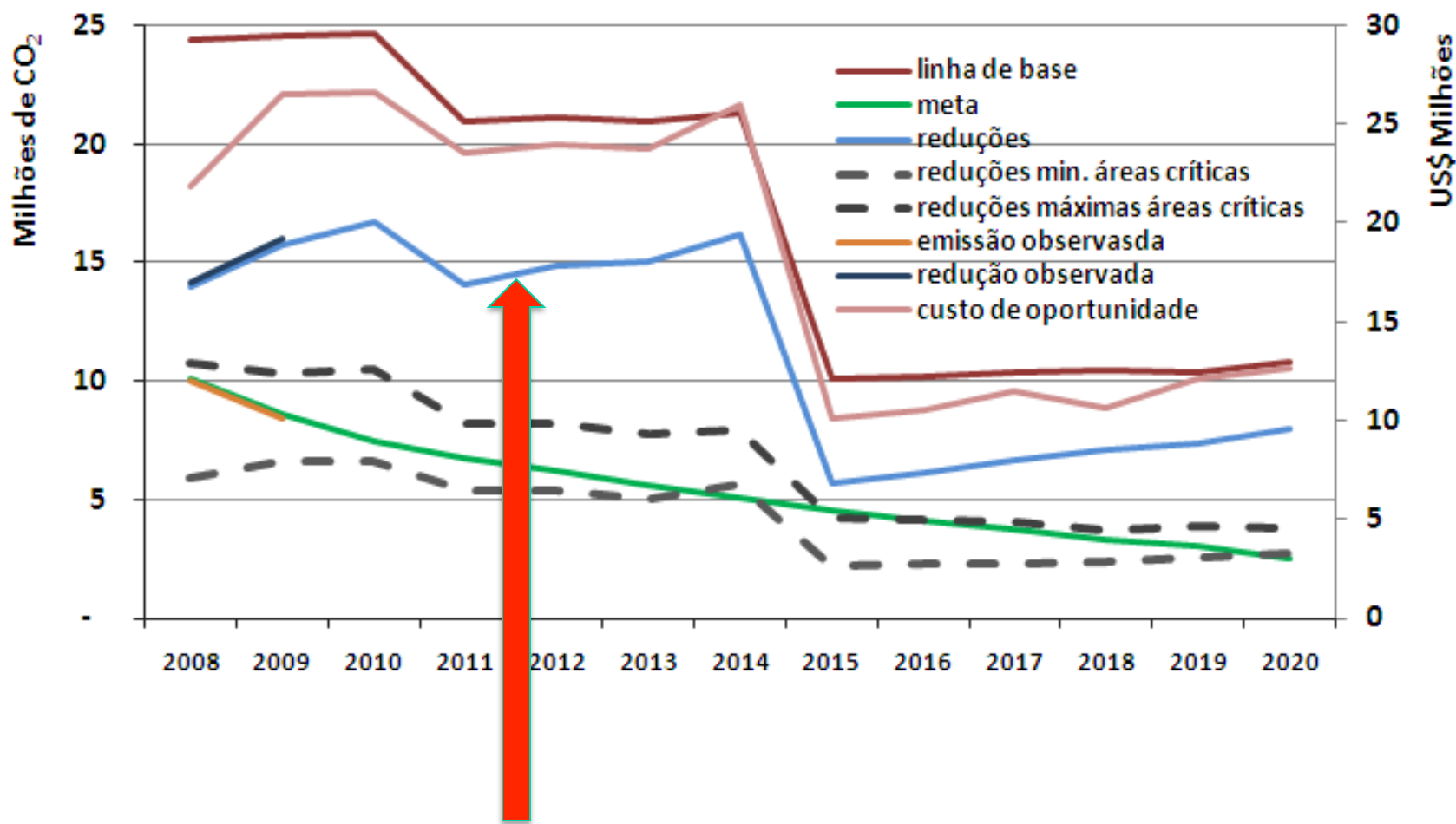
Tonelados de Emissões Evitados (cumulativo)

Custo por Tonelado de CO<sub>2</sub> (US\$/tCO<sub>2</sub>)



Tonelados de Emissões Evitados (cumulativo)

# Custo de Oportunidade do PPCD



Custo de oportunidade = US\$ 1.64 por ton CO<sub>2</sub> = **US\$200** milhoes



Custo do PPCD = Programa de  
Benefícios e Incentivos + Criação de  
Fundo



# Curva de Abatimento Acre

