

Reducing emissions from Deforestation and Forest Degradation





Understanding the Costs of REDD

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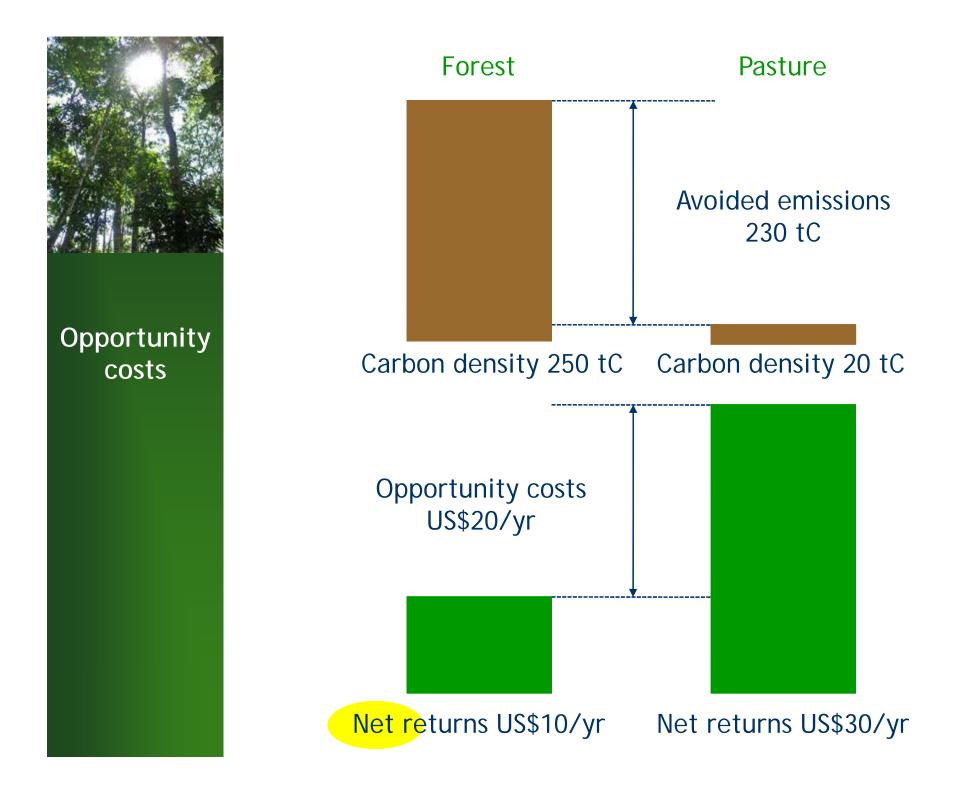
Diseño de Actividades REDD para la Mitigación del Cambio Climático CATIE, Turrialba, Costa Rica, October 29, 2008



Need for agreed methods

What costs?

- Opportunity costs
- Implementation costs
- Transaction costs
 - Costs to whom?
- Country
- Land users
- Government





Avoided emissions 230 tC/yr Opportunity cost \$20/ha/yr

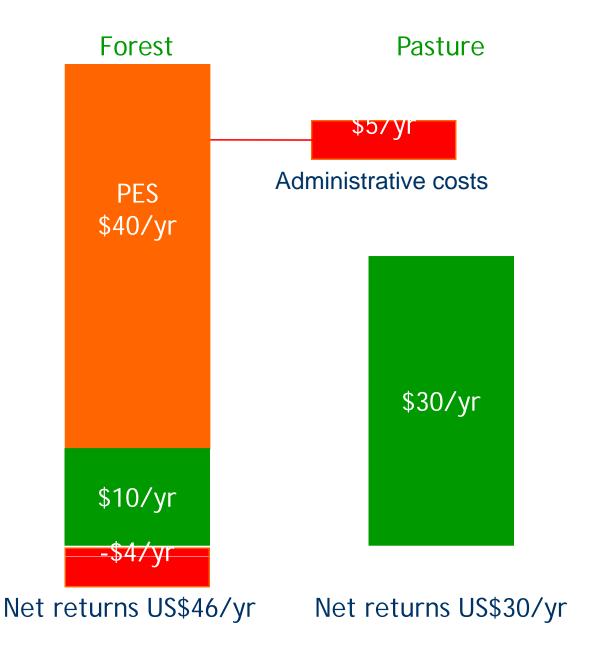
Unit conversions

Convert opportunity cost to PV PV = \$209/ha over 30 years, at 10%

Convert opportunity cost to /tC Cost of REDD = 209/230 = \$0.91/tCConvert to /tCO₂e Cost of REDD = $0.91/3.67 = \$0.25/tCO_2e$



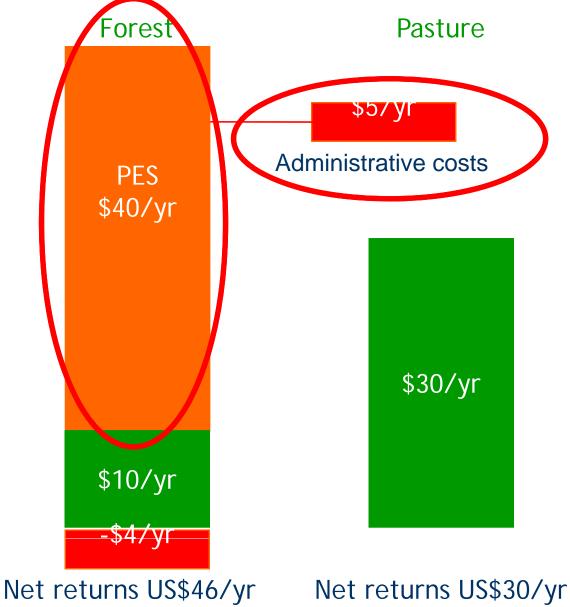
One possible approach to reducing forest loss



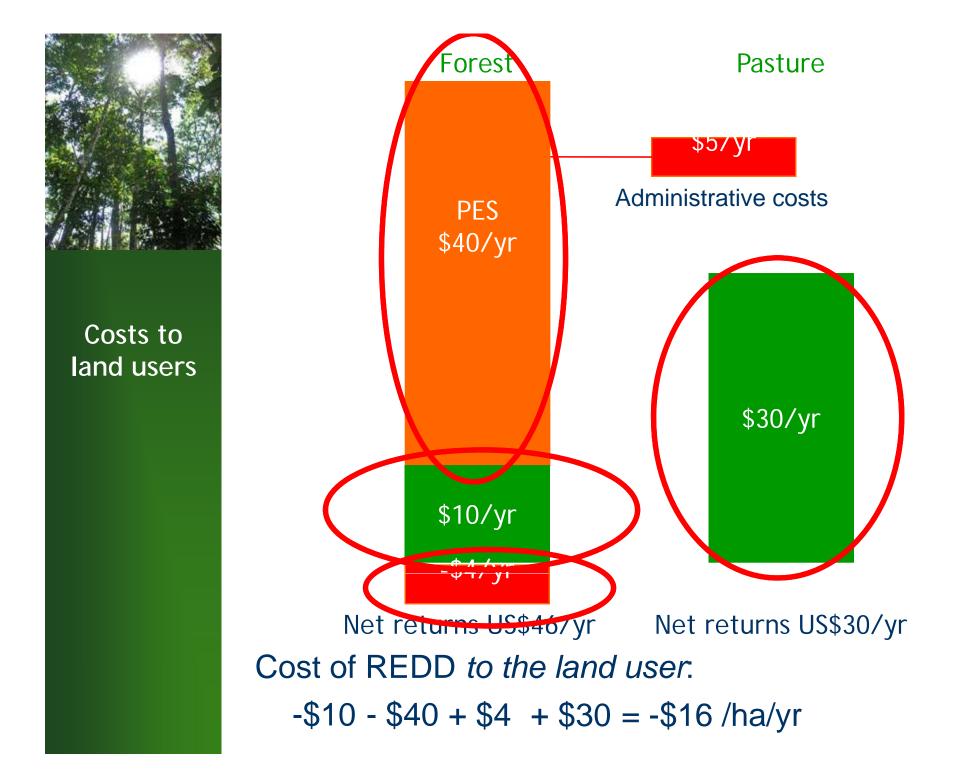
Payment to conserve forest

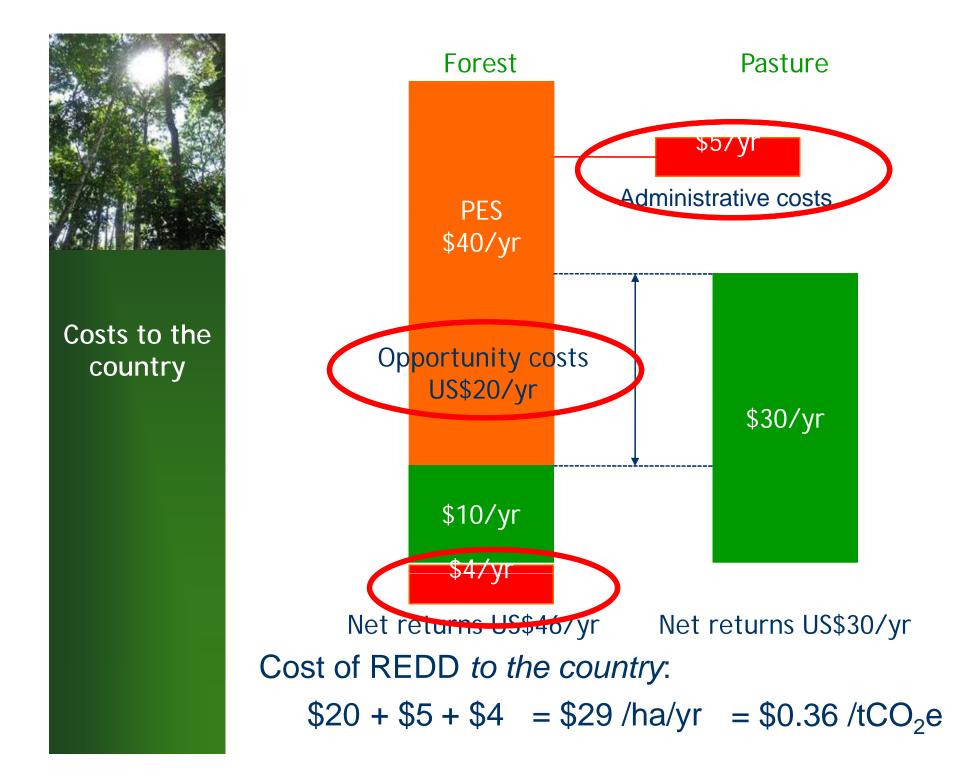


Costs to the government

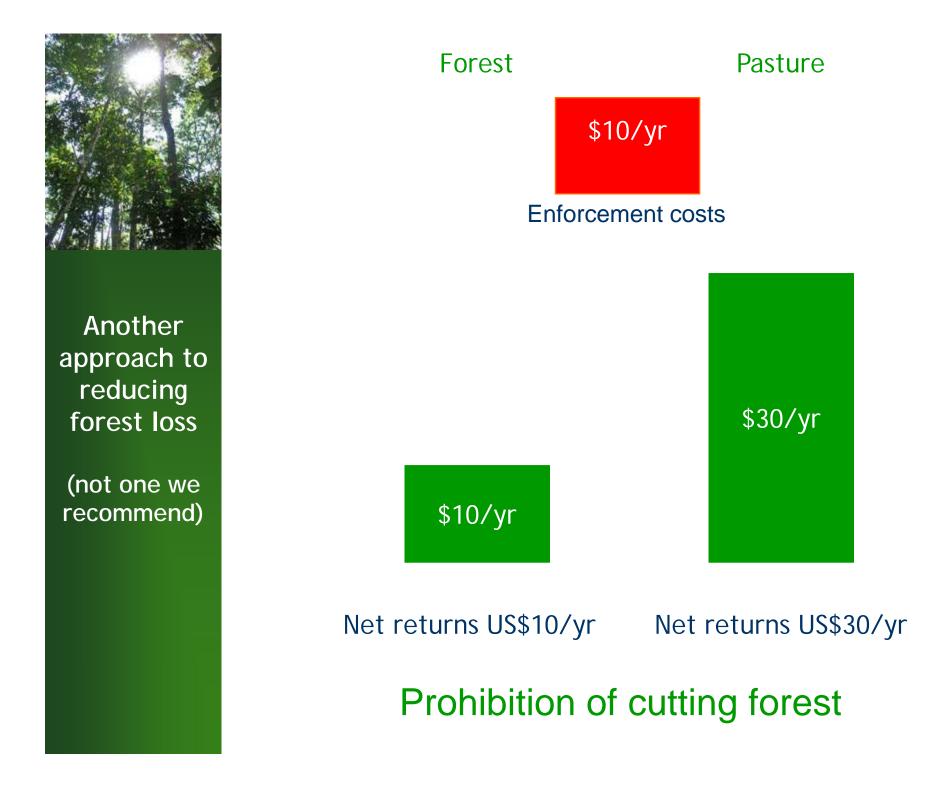


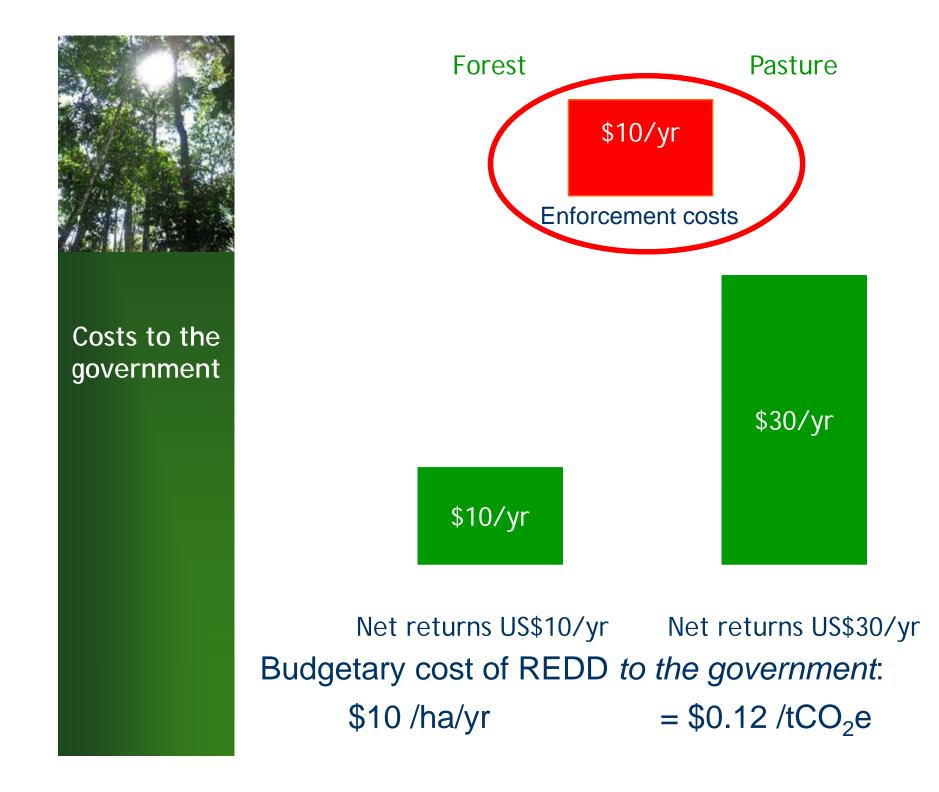
Budgetary cost of REDD to the government: $$40 + $5 = $45 /ha/yr = $0.56 /tCO_2e$

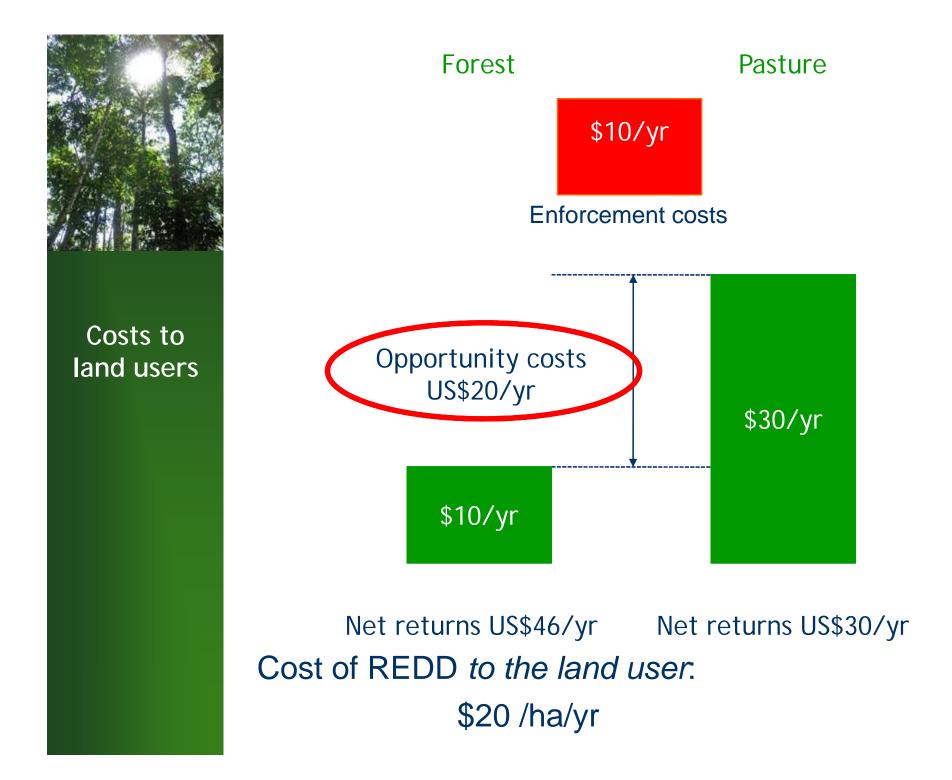


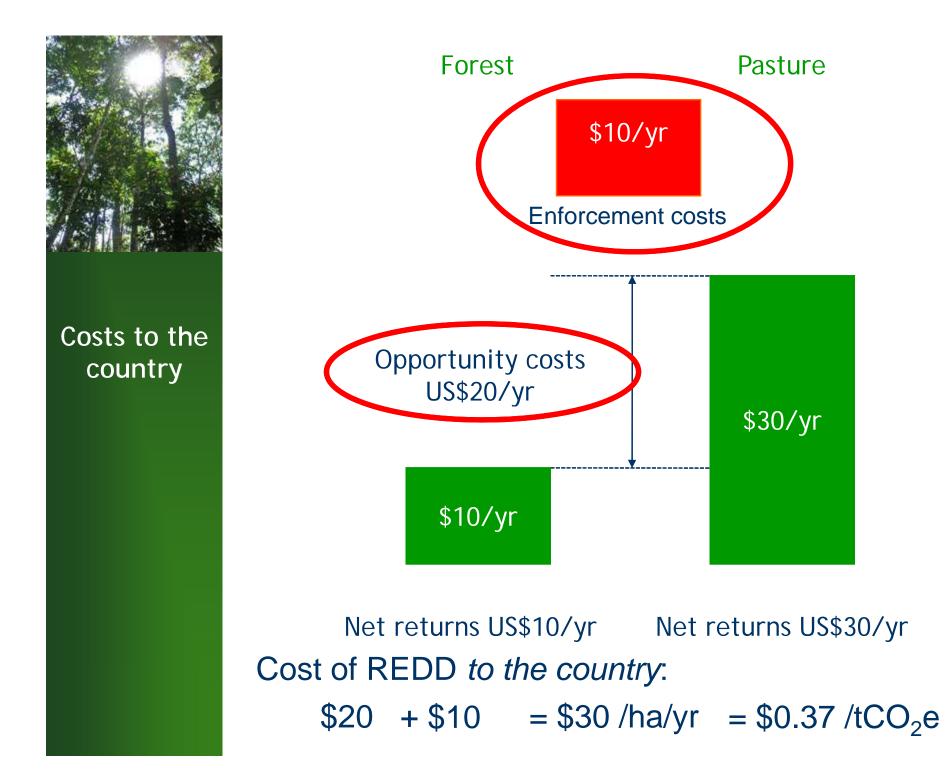


	Costs of REDD Using payments for forest conservation (\$/ha)					
		<i>Opportunity</i> <i>cost</i>	Cc implen			
Summary	Cost	051	Payment	Admin etc	Net	
	To government agencies		40	5	45	
	To individual land users	20	-40	4	-16	
	To the country	20	0	9	29	









	Costs of REDD Using prohibition of cutting forest (\$/ha)						
		<i>Opportunity</i> <i>cost</i>	Cost of				
Summary	Cost		implementation	Net			
	To government agencies		10	10			
	To individual land users	20		20			
	To the country	20	10	30			