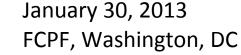


Daniel Nepstad, PhD Director & Senior Scientist International Program





stateredd.org First Public Dialogue: February 5, Stanford U

### CALIFORNIA, ACRE AND CHIAPAS

### PARTNERING TO REDUCE EMISSIONS FROM TROPICAL DEFORESTATION

Recommendations to Conserve Tropical Rainforests, Protect Local Communities and Reduce State-Wide Greenhouse Gas Emissions

### **REDD+ Reframed**

Unified global mechanism ten years off

Public finance until 2016

Markets possible after 2016 (California, others)

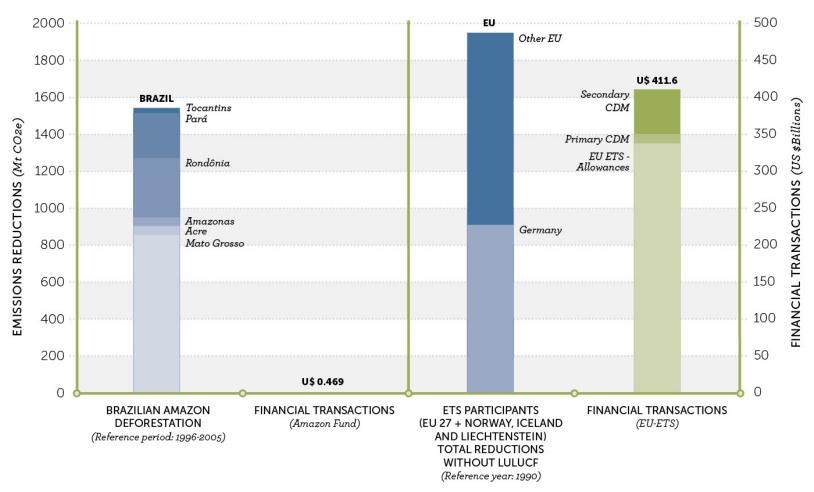
Our task: Managing unmet expectations while reframing REDD+ to align with tropical nation and state agendas.



### Most REDD+ emissions reductions will not be compensated

### EMISSIONS REDUCTIONS (CO<sub>2</sub>) AND FINANCE

Brazilian Amazon and EU - ETS (Emissions Trading Scheme), 2008 - 2010





### Which REDD+?

REDD+ = independent PES projects

REDD+ = offsets (that take pressure of industry)

REDD+ = threat to indigenous peoples' rights

REDD+ = UN mechanism for compensating tropical forest nations





### Jurisdictional REDD+

REDD+ = policy framework for low-emission rural development (LED-R)

Centered on performance across entire political jurisdictions (nations, states)

REDD+ as one component of a broader process of policy alignment, institutional innovation, private sector engagement







- Scale
- Aligns/embeds with policy and public finance
- •Resolves issues of permanence; helps resolve leakage
- Lower transaction costs
- Possibility of avoiding the "who owns the carbon" issue
- •Allows for REDD+ distribution that is not directly tied to tons





### **REDD+ Reframed**

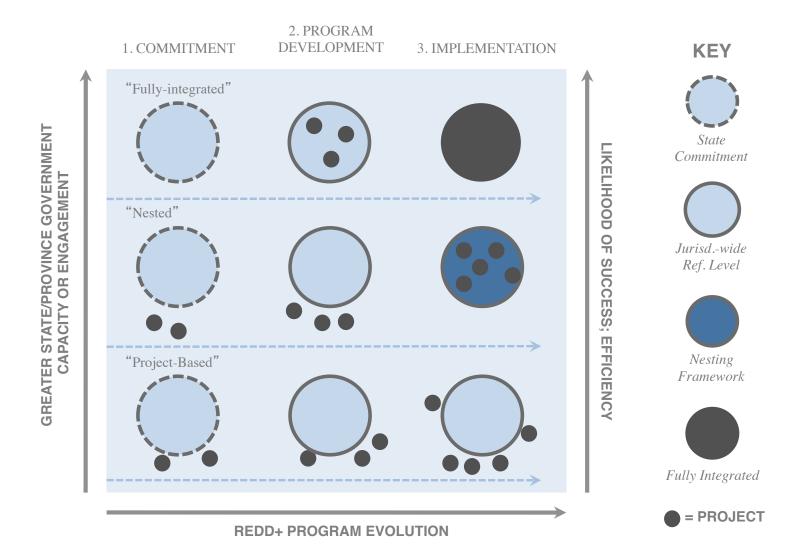
### Governors' Climate and Forests task force.

19 tropical states and provinces coming into alignment with California's cap-and-trade policy and other REDD finance mechanisms



Nepstad, Boyd, Azevedo, et al. 2012. Overview of state-based Programs to Reduce Emissions from Deforestation and Degradation (REDD) as part of GCF. EPRI

### **Three Pathways to Jurisdictional REDD+**







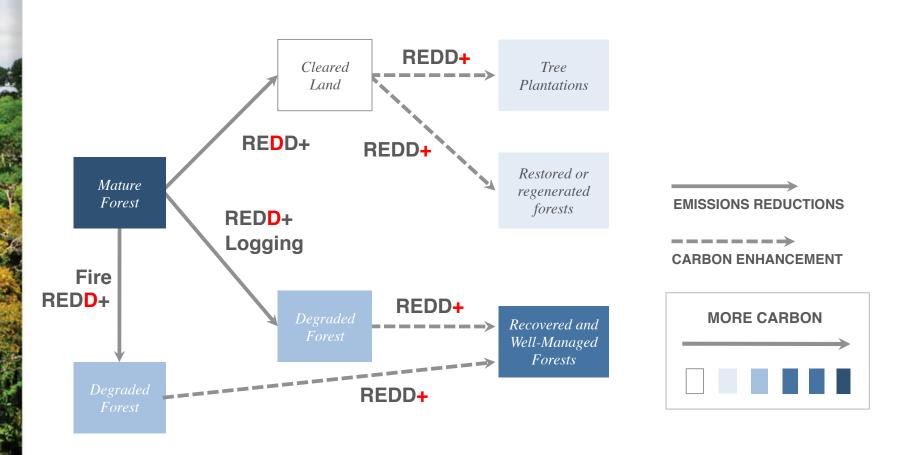
### Lesson:

Prioritize the definition of performance for the <u>jurisdiction</u>: jurisdiction-wide reference levels!

Establish rules for projects



### Challenge: Which type of emissions reductions to





### Lesson:

Include deforestation, degradation, and carbon enhancement (regeneration, restoration, tree planting) in an integrated approach to reference level and MRV

California ROW Recommendation: Deforestation and degradation (fire, logging) mandatory





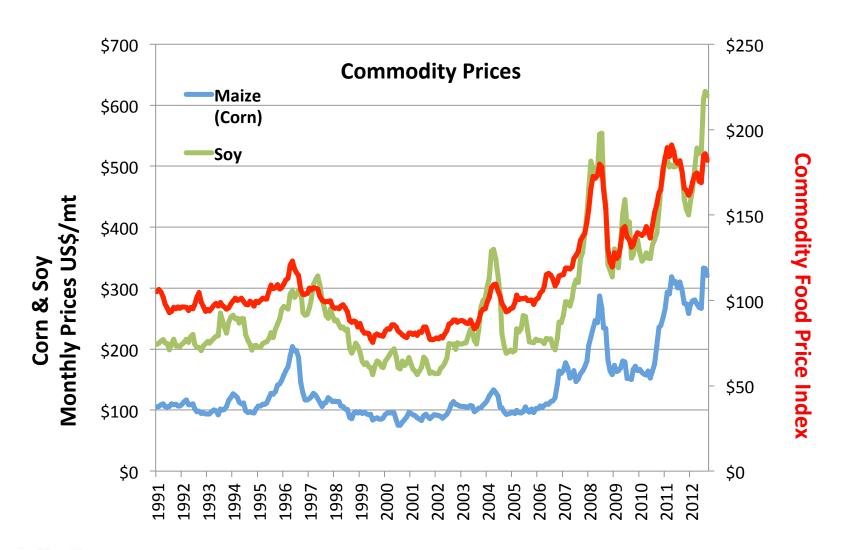
### Lesson:

Start simple

Aboveground biomass is the biggest source of emissions



### REDD+ challenge: engaging the drivers of deforestation





### Lesson 1:

The REDD+ program should be fully integrated with agricultural and forestry development policies and programs.

Loans with differentiated interest rates to favor intensification and forest-saving development.

Differentiated tax structures.

(This is where big financial levers are!)



### Lesson 2:

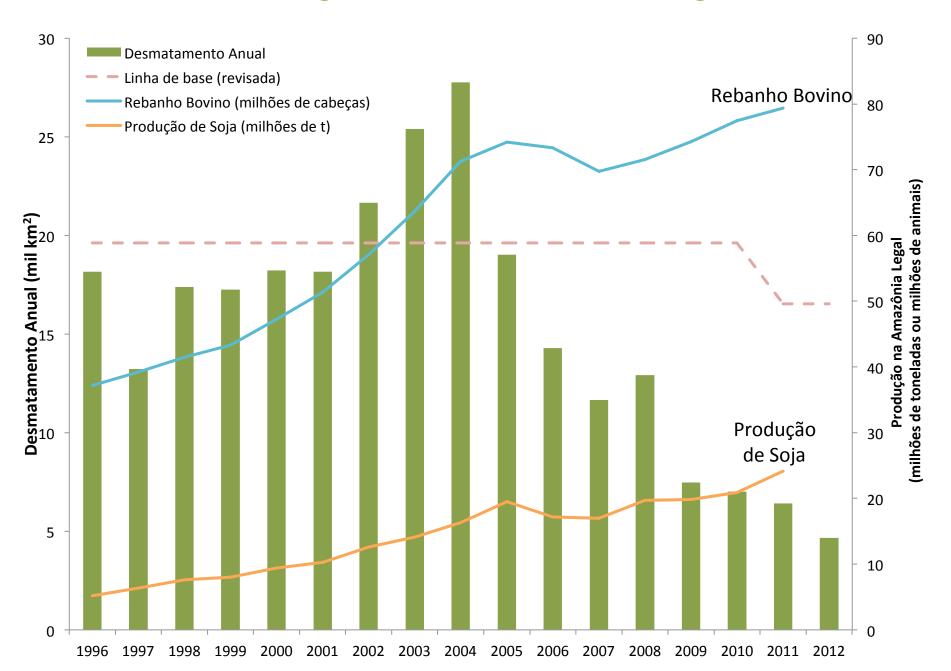
"REDD+" should be embedded in food security, yield improvement, & poverty alleviation programs

In many cases, best to avoid the word "REDD+"





### Brazil: Declining Deforestation, Rising Production



### Lesson 3:

Harmonize REDD+ program with agricultural sustainability initiatives





### Integrating REDD+ Safeguards and Roundtable Criteria

"Global Rules for Sustainable Farming", Stickler et al. 2012, www.ipam.org.br

		REDD+					Roundtables		
		UNFCCC	UN-REDD	FCPF	ССВА	REDD+SES	RSPO	RTRS	Bonsucro
Governance	Legal Compliance	•	•	•	•	•	•	•	•
	Transparency	•	•	•	•	•	•	•	•
	Conflict & Grievance Resolution	0	•	•	•	•	•	•	•
Social	FPIC	0	•	0	•	•	•	•	•
	Land Use Rights	•	•	•	•	•	•	•	•
	Labor Rights	0	0	0	•	0	•	•	•
Environmental	Forest	•	•	•	•	•	•	•	•
	Biodiversity	0	•	•	•	•	•	•	•
	Soil & Water	0	•	0	•	0	•	•	•

## Challenge: Big emphasis deliberately t

Big emphasis on projects designed deliberately to operate independently of govt

Premise: private investors don't want to deal with governments



### Lesson:

Private investors could become more interested in dealing with governments:

a. If public finance is used to reduce risk to investor

 b. If innovative institutions (e.g. Acre's Ecosystem Service Company) are created





### Overwhelming complexity

Moratória da Soja, Carne

Desmatamento zero para o setor

Municípios Críticos

Redução de desmatamento, CAR, acesso a crédito

Políticas do Estado / Gov. Federal

Redução de desmatamento, **legalidade** 

Mesas Redondas

**Certificação** socioambiental da propriedade, legalidade

**ABC** 

Agricultura de Baixo Carbono

**REDD** 

Linha de base; "salvaguardas" socioambientais

**Consumer Goods Forum** 

Cadeias de "desmatamento zero"

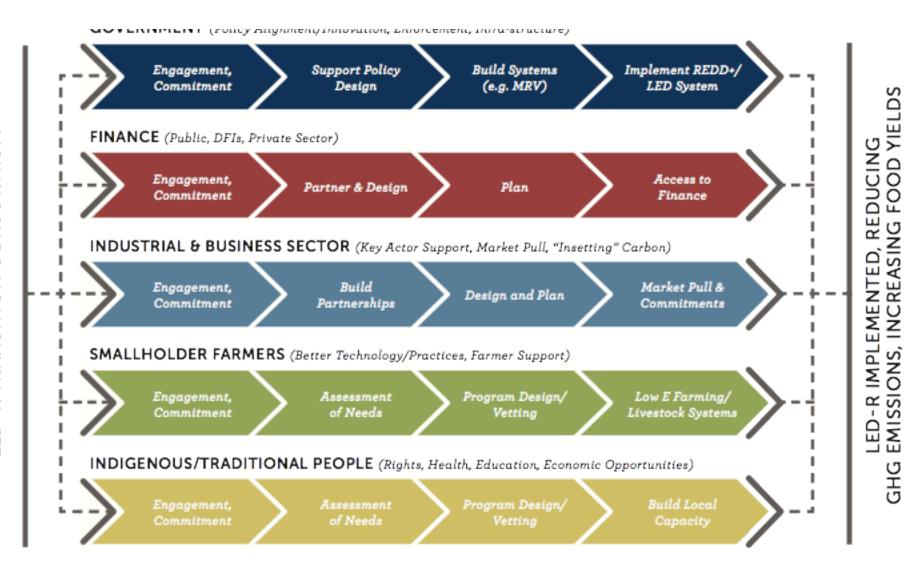
Código Florestal

Reserva Legal, APP

Areas protegidas

ICMS ecológico

### Lesson: Multi-sector, negotiated approach



# •KISS\* •Focus: jurisdic •Exploit freedo •Embed "REDD (lose the

- Focus: jurisdiction-wide performance
- Exploit freedom jurisd. approach permits
- Embed "REDD+" in rural development agenda (lose the word "REDD+")
- Business case of sustainable, low-emission, equitable development
- Harness market demand for sustainable supply
- Multi-sector negotiation/design
- •REDD+ = icing, not the cake



### REDD+ is the icing, not the cake





### Thank you!!





