

Financing Blue Carbon: Lessons from the REDD+ Experience

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Based on work with Linwood Pendleton, David Gordon, Britta Victor (and many of you...)



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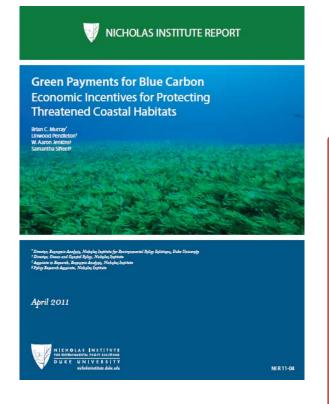








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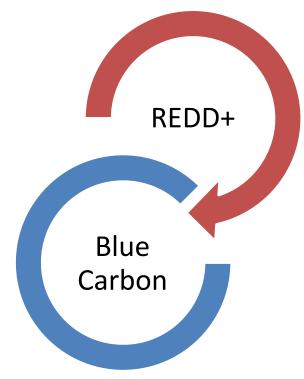








Why analyze REDD+ for Blue Carbon Financing?







Following the Money: REDD+

Planning and Institutional Capacity Building

• \$1,609 million committed

Pilots and Projects

\$234 million committed

Verified Emissions Reductions

• Approx. \$97.5 million in voluntary credits sold



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Fund	Source	Pledged (\$ mil)	Currently committed ^b (\$ mil)	Remaining funds (\$ mil)	Committed to REDD+ (\$ mil)	REDD+ planning (\$ mil)
BioCarbon Fund	World Bank Carbon Finance Unit	90.4	30.5	59.9	2.66	0
Forest Carbon Partnership Facility (Readiness)	World Bank Carbon Finance Unit	232	105	127	105	105
Forest Carbon Partnership Facility (Carbon Fund)	World Bank Carbon Finance Unit	215	0	215	0	0
Forest Investment Program	Climate Investment Funds	577	420	157	420	420
International Forest Carbon Initiative	Australian Government	283.06	103	179.92	81.05	19.95
Congo Basin Forest Fund	Norway and England	156	93.85	50.14	93.85	4.3
UN-REDD Programme	UN	98.26	63.68	34.58	63.68	63.68
GEF Trust Fund	GEF	14,481	9,768	4,713	105	105
LDCF	UNFCCC	324	153	151.5	N/A	12.24
Adaptation Fund	Kyoto	249.92	75.35	174.57	N/A	N/A
Amazon Fund	Norway and Germany	1,027.93	140	887.93	133.3	60
International Climate Initiative	Germany	1,764	506.1	1,257.90	43.82	36.96
Hatoyama Initiative	Japan	15,000	6,300	8,700	158	158
International Climate and Forest Initiative	Norway	1,000	450	Variable	97	97









- Key Blue Carbon Countries Omitted
- Soil and Wetland Monitoring Predominately Absent
- Engagement with Coastal Stakeholders Unclear



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Country	adiness plans of top 2: Discounted mangrove mitigation potential (Mt CO ₂ /yr) ²		UN-REDD	Mangrove data support	Wetland data support	Soil carbon data support	Coastal stakeholder support
Indonesia	34.1	Yes	Yes	Yes	No	Yes	Yes
Mexico	9.0	Yes	No	No	No	No	Yes
Papua New Guinea	5.1	No	Yes	Yes	Yes	No	Yes
Malaysia	4.6						
Vietnam	2.8	Yes	Yes	Yes	No	Yes	Yes
Colombia	2.5	Yes	No	Yes	Yes	Yes	Yes
Pakistan	2.3						
United States	2.2						
Guinea-Bissau	2.0						
Myanmar	2.0						
Philippines	2.0	No	Yes	Yes	Yes	No	Yes
Sierra Leone	1.9						
Gabon	1.8						
Honduras	1.8						
Madagascar	1.7	Yes	No	Yes	No	No	Yes
Senegal	1.5						
India	1.3						
Venezuela	1.2						
Panama	1.2	Yes	Yes	Yes	Yes	Yes	No
Brazil	1.0						
Tanzania	0.8	Yes	Yes	No	No	Yes	Yes
Cambodia	0.8	Yes	Yes	Yes	Yes	Yes	Yes
Ecuador	0.8		Yes	Yes	No	No	No
Nicaragua	0.7	Yes	No	No	No	No	Yes
Thailand	0.7						



Future Funding: Defining Predictability

Incorporation of blue carbon in the readiness process

Inclusion of blue carbon in future REDD+ agreements

Competitiveness of blue carbon sequestration with other activities





REDD Finance Text from Durban

Draft decision [-/CP.17] Outcome of the work of the Ad Hoc Working Group on Long-term Cooperative Action under the Convention

C. Policy approaches and positive incentives on issues relating to reducing emissions from deforestation and forest degradation in developing countries; and the role of conservation, sustainable management of forests and enhancement of forest carbon stocks in developing countries

66. Considers that, in the light of the experience gained from current and future demonstration activities, <u>appropriate market-based approaches could be developed by the Conference of the Parties to support results-based actions by developing country Parties referred to in paragraph 73 of 1/CP.16, ensuring that environmental integrity is preserved,</u>

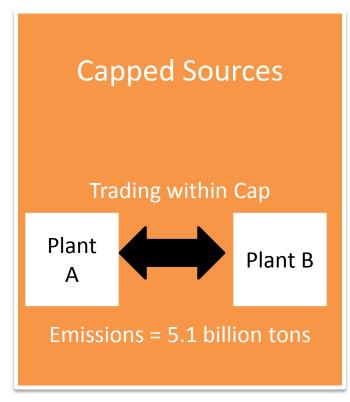
67. Notes that non market based approaches, such as joint mitigation and adaptation approaches for the integral and sustainable management of forests as a non-market alternative that supports and strengthens governance, the application of safeguards as referred to in decision 1/CP.16, appendix I, paragraph 2(c–e), and the multiple functions of forests, could be developed;





What do we mean by "market" finance?

 $Cap = 5 billion tons/yr CO_2$



Uncapped Sources

Offset credits

Reduce emissions from blue carbon relative to baseline By 100 Mt

Country X

Country X

Country X



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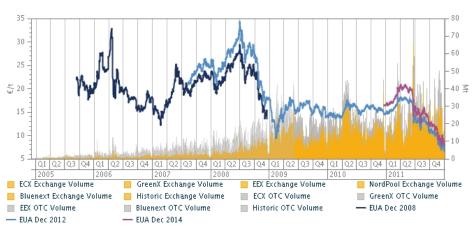
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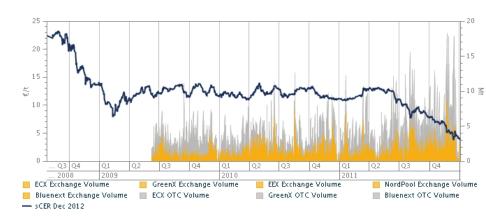




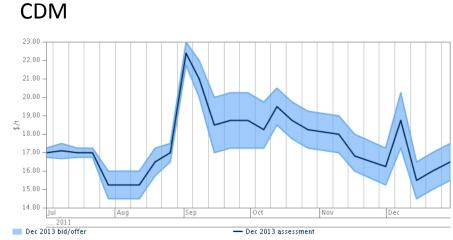


Carbon Prices Falling









New Zealand California

Source: Point Carbon Jan 5, 2012



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Carbon forecasts slashed but analysts predict recovery

3 January 2012

Leading analysts have slashed their carbon price forecasts compared to this time last year, although all are anticipating that prices in the EU Emissions Trading System (ETS) will recover strongly from their historic lows.

Carbon prices plummeted towards the end of 2011, amid a growing oversupply of allowances in the EU ETS and the worsening eurozone crisis.

The benchmark EU allowances (EUA) futures contract started the year at €14.24 (\$18.59) per tonne of carbon dioxide, peaking at €17.42 on 2 May, but fell to a low of less than 60% of that on 19 December, when the price was €6.77.

The December 2012 futures contract at ICE futures Europe closed at €6.60 today, the lowest point for Phase II of the ETS (2008-12).

Trevor Sikorski, carbon analyst for Barclays Capital in London, said: "Given that the macroeconomic picture remains so unclear, and the risks seem so biased to the downside, it is hard to envisage anyone going long, so the upside likely rests solely with utility hedging."

He is currently forecasting an average EUA price of €10 in 2012, compared to his €18.25 estimate for 2011 prices this time last year.

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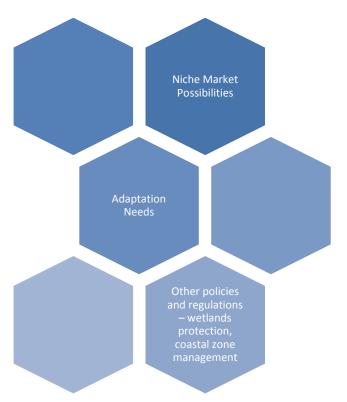
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Blue Carbon goes Viral

 UNEP Blue Carbon App using data from our compilation study

