

"Recent Carbon Market Situation and its Near-term and long-term Future!"

16th Asia-Pacific Seminar on Climate Change
"Climate Change and Development –Asia Pacific
Regional Approach to
Climate Friendly and Climate Change-resilient Society-"
at Jakarta, Indonesia, 5-8 September 2006

N Yuvaraj Dinesh Babu Asia Carbon Group

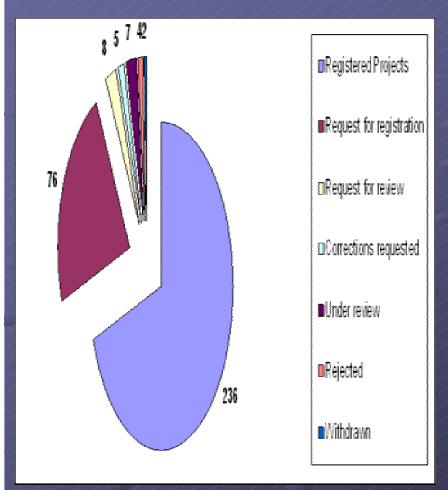


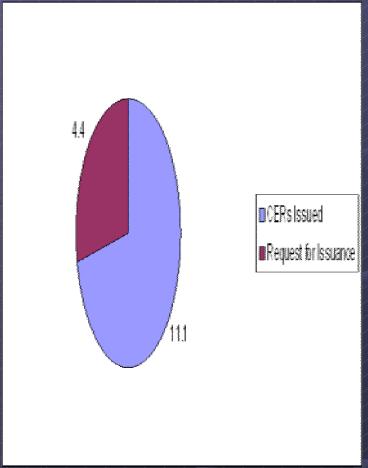
Welcome to

CDM-2012: Billion CERs market!



Few numbers to crunch...

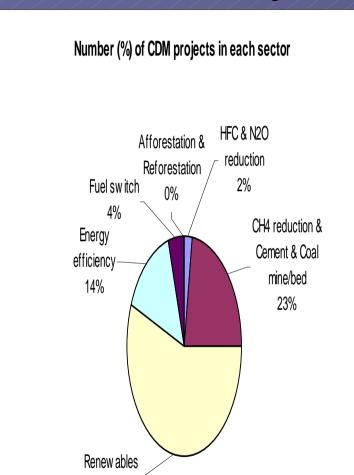


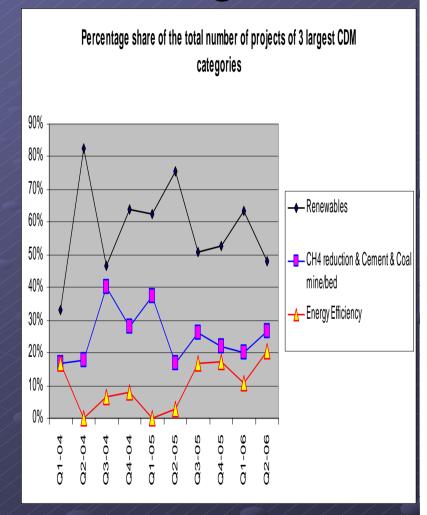


Source :UNFCCC as on 2 Sept 2006 and ACG analysis



CDM Projects and categories

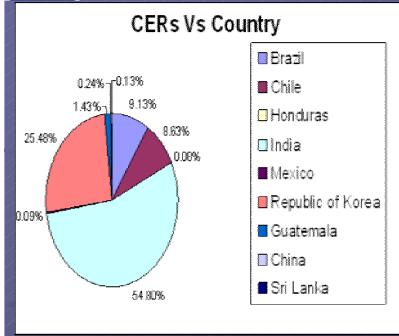




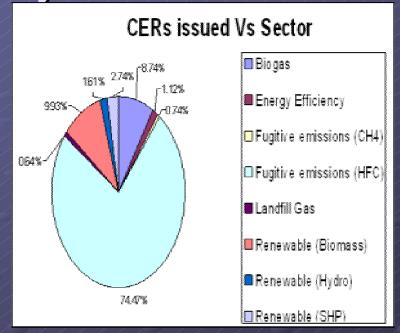
57%



CERs: Country & Sectors

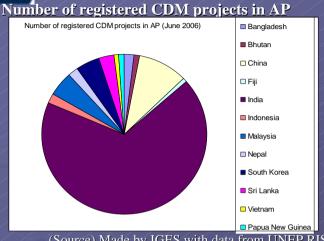


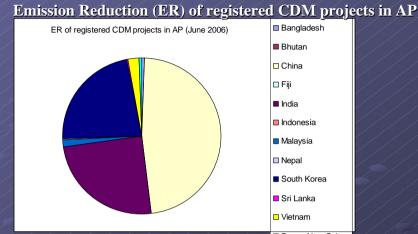
Source : UNFCCC / UNEP RISOE and ACG analysis





Unequal geographical distribution of CDM in AP





(Source) Made by IGES with data from UNEP RISOE: CDM Pipeline Overview (As of June 20, 2006)

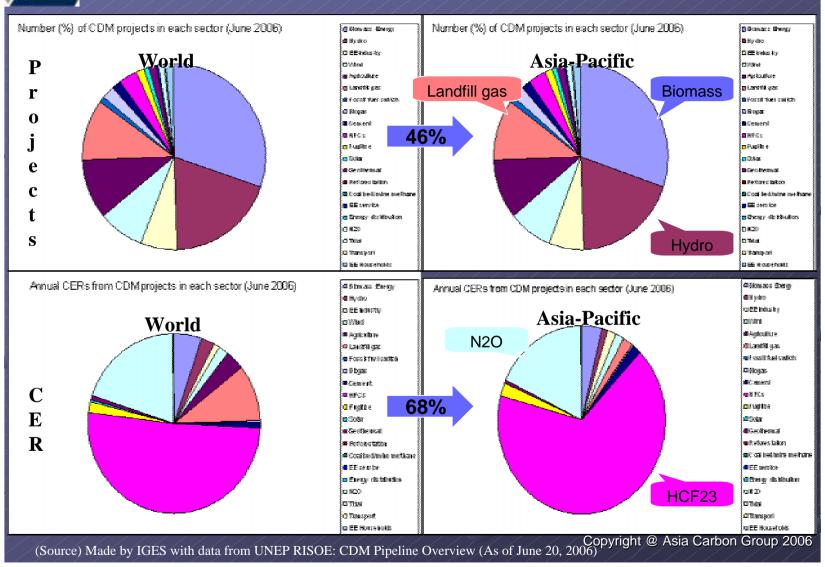
Asia & Pacific	102
India	69
Bangladesh	2
Bhutan	1
Nepal	2
Sri Lanka	3>
China	10
South Korea	5
Indonesia	<u>2</u>
Malaysia	5
Vietnam	1
Papua New Guinea	
Fiji	1

- AP/World: 102 out of total 222 registered projects account for 68% in ER (46% in number)
- Among AP: China, India, and Korea occupy 94.8% of total ER until 2012 (82% in number)
- China may surpass India in terms of total ER until 2012.
- No projects: Cambodia, Lao PDR, Myanmar, Philippines, Singapore, Thailand in SE Asia
- The inequity is not due to lack of DNA, as most AP countries have DNA except some Pacific and Central Asian countries.

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Sectoral distribution of CDM: World vs. AP

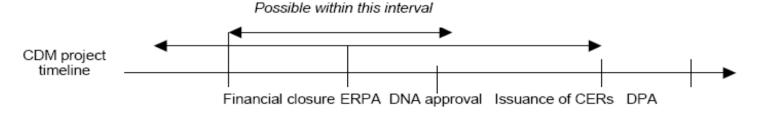




CDM and Unilateralism

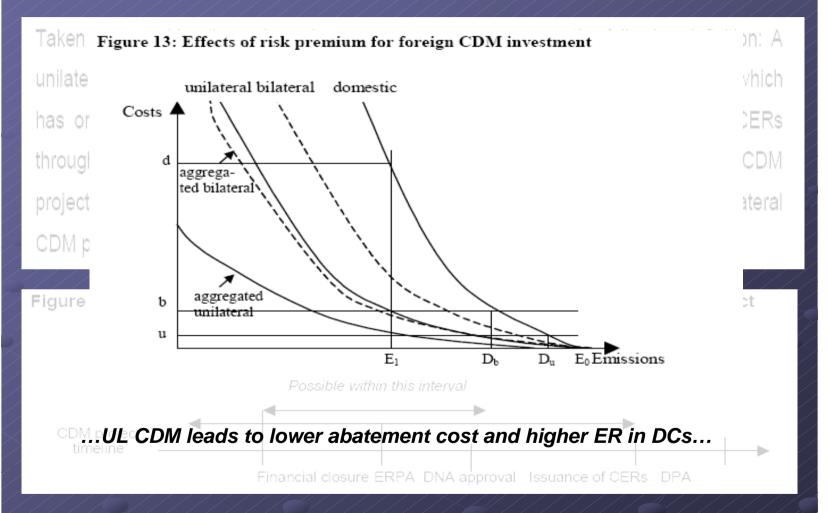
Taken our considerations above into account, we now propose the following definition: A unilateral CDM project activity is a project which involves no foreign direct investment, which has only the approval of the host country before registration and which sells its CERs through a DPA after certification and issuance or sells them not at all. All other forms of CDM project are, at least, not pure unilateral projects and may be called bilateral or multilateral CDM projects, depending on the foreign involvement.

Figure 1: Possible points of involvement of an Annex B partner in the CDM project timeline





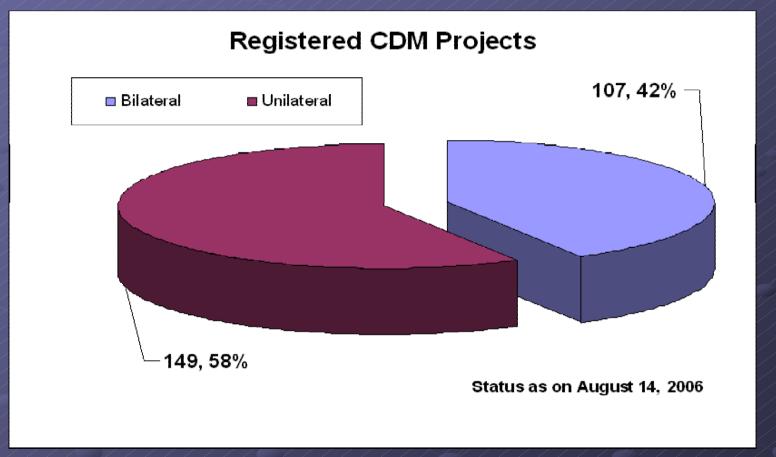
CDM and Unilateralism





UL CDM: An analysis

Globally

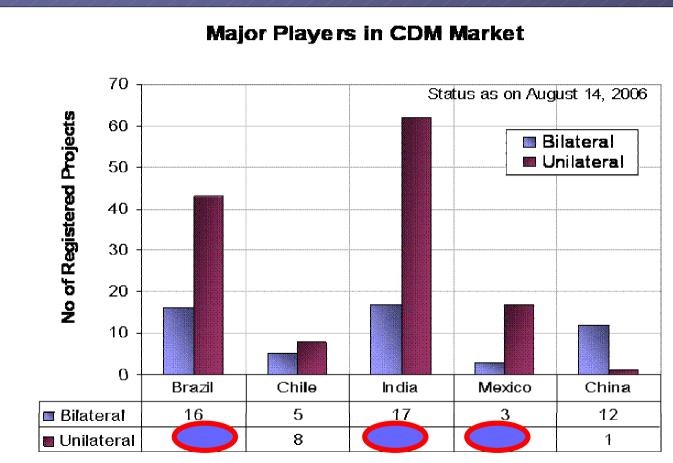


Source :UNFCCC and ACG analysis



UL CDM: An analysis

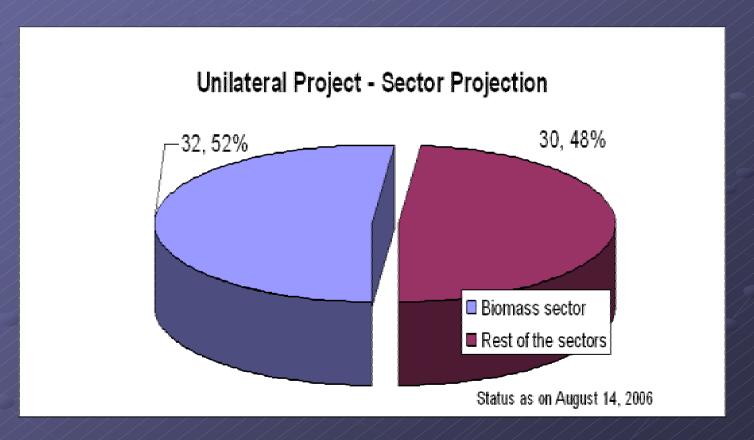
Globally





UL CDM: An analysis

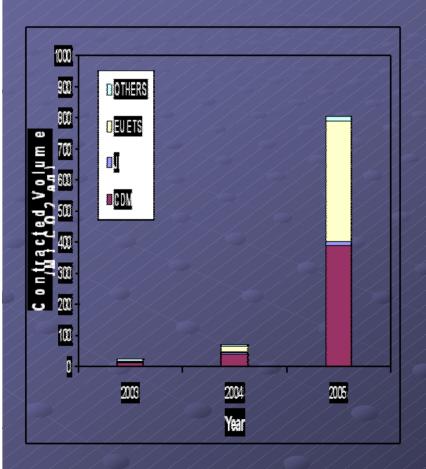
Case Study : India





Carbon Trading International Scenario

Global carbon market transactions worth €9.4 billion in 2005



Year	2004		2005	
Market	[Mt]	[€ million]	[Mt]	[€ million]
EU ETS total	17	127	362	7,218
CDM	60	188	401	2,035
JI	9	27	28	96
Other	8	34	7.8	52
Total	94	376	799	9401

Source: Carbon 2006, Towards a truly global market, Point carbon



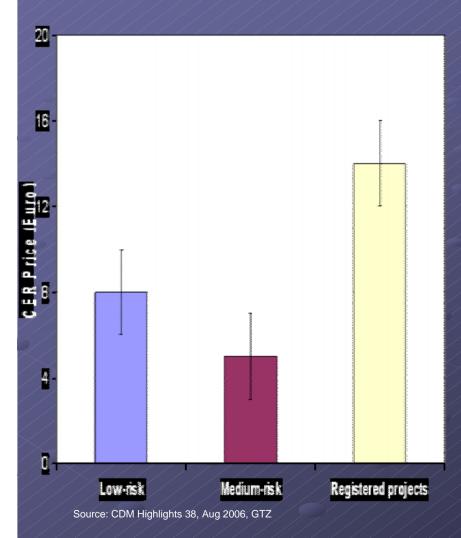
Types of CDM CERs Deals

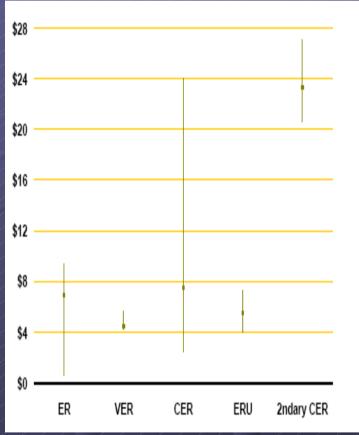
- Forward Contracts (current practice)
 - For compliance
 - For private sector investors
 - For trading in the secondary market
- Upfront Payment (a few but rare)
 - CERs upfront payment on discount basis
 - Project Equity/Debt in lieu of CERs
- Spot Trading (yet to take place)
- Secondary Trading (emerging)
- Financing and hedging Instruments [Futures/Options, etc.,]
 (emerging currently)

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CERs Price Trend





Source: State and Trends of Carbon Market 2006, WB / IETA



CDM: Financial Impacts

Figure 2 - The CDM as 'the icing on the cake'

3 1 CER. revenue" Other resources Appropriate: needed damestia. Domestio. resources. resources avaitable. Total quantity of resources needed Non-CDW. Non-CDM Non-CDM foreign: foreign : fionengni. nesources nesources resources offered. offered.



CDM: Upfront offers

