

Development First: Addressing Climate Change in Africa

Climate Finance: CDM Trends and Opportunities for Africa



Contents

Definitions



- ACPC TERI partnership project
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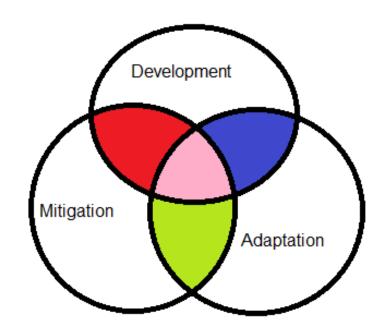
Addressing the challenge of 'scaling up'



Definitions



Finance, Environmental Finance, Carbon Finance, Climate Finance.





Evolution



- UNFCCC
- Nairobi Framework
- AWG-LCA proposal
- AGF report



UNFCCC Article 4.7

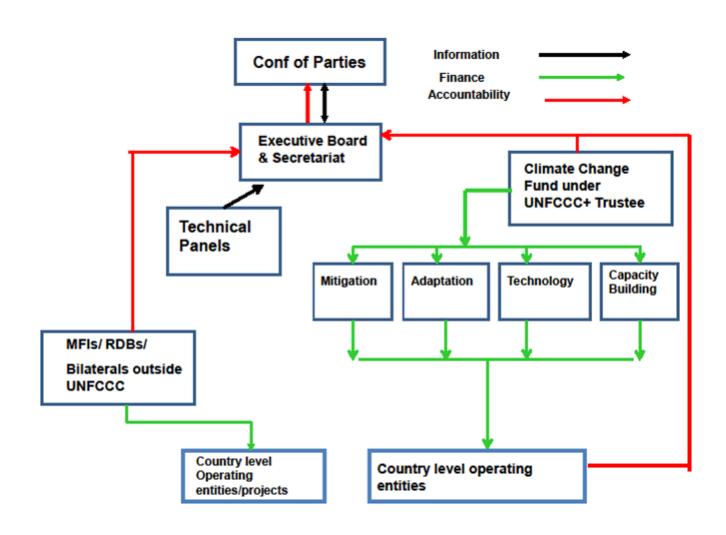
"The extent to which developing country parties will effectively implement their commitments under the Convention will depend upon the effective implementation by developed country Parties of their commitments under the Convention related to financial resources and transfer of technology and will take into account that economic and social development and poverty eradication are the first and overriding priorities of the developing country Parties."



Nairobi Framework

- The Nairobi Framework (2006) five objectives
- (i) build & enhance capacity of DNAs to become fully operational,
- (ii) build capacity in developing CDM project activities,
- (iii) promote investment opportunities for projects,
- (iv) improve information sharing, outreach, exchange of views on activities, education & training, and
- (v) inter-agency coordination, which are considered to be priority goals to move the CDM forward in the target countries.

AWG-LCA proposal on financial architecture



AGF report

- Sources of finance
- World economic conditions
- Project structure and accountability
- Private sector involvement

CDM Trends for Africa

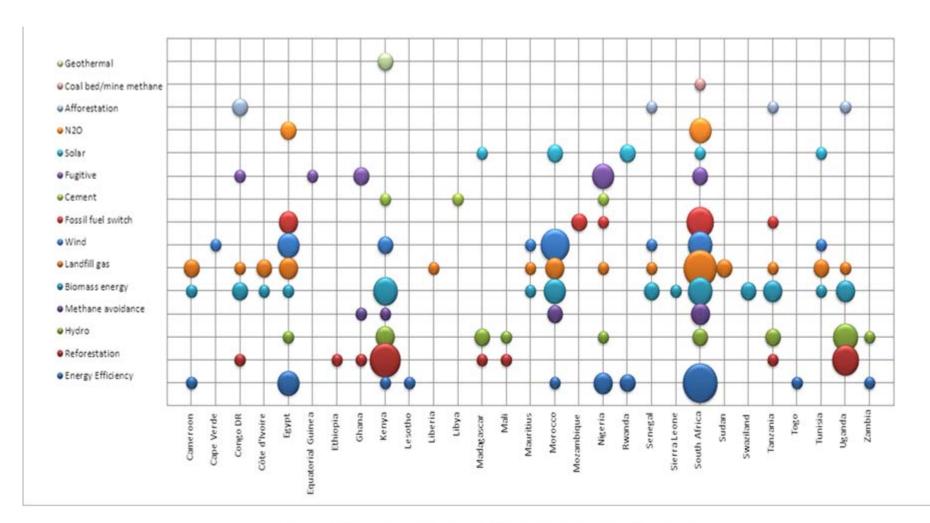
Country	Registered						Registered	
	2005	2006	2007	2008	2009	2010	2011	Total
Egypt	! ! ! ! !	2	1	1	 	3	2	9
Liberia						1		1
Morocco	2	1	1		1	 	r ! !	5
Tunisia	i ! !	2						2
Cameroon	i 					1	1	2
Congo DR] 						2	2
Côte d'Ivoire					1	1	1	3
Ethiopia					1			1
Kenya				1		2	2	5
Madagascar	 					1		1
Mali						1		1
Nigeria		1			2	2		5
Rwanda						1	2	3
Senegal	i I					1		1
South Africa	1	4	7	2	3	2		19
Tanzania			1				 	1
Uganda			1		1		2	4
Zambia	T - 					1	r- 	1
Grand Total	3	10	11	4	9	17	12	66

highlighted countries come in the least developed countries category

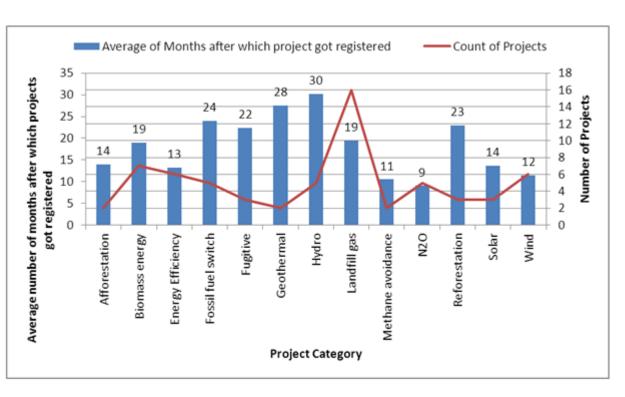
CDM Trends for Africa cont...

Project Categories	Africa	Asia & Pacific	Europe & Central Asia	Latin America	Middle-East	Grand Total	percentage share in project category
<u>Aforestation</u>	5	4	1	3		13	38%
Reforestation	20	20	2	17		59	3496
Fugitive	10	27	13	9	7	66	15%
Geothermal	2	14		5		21	10%
N2O	6	50	6	11	5	78	896
Landfill gas	30	200	9	147	18	404	7%
Fossil fuel switch	13	124	5	27	19	188	7%
Solar	7	116		8	8	139	596
Cement	3	66	1	9	1	80	496
Biomass energy	32	782	3	231	3	1051	3%
Energy Efficiency	25	1016	8	70	13	1132	296
Hydro	18	1741	22	285	1	2067	1%
Wind	22	1627	11	94	2	1756	196
Methane avoidance	7	534	7	295	9	852	196

CDM Trends in Africa cont...

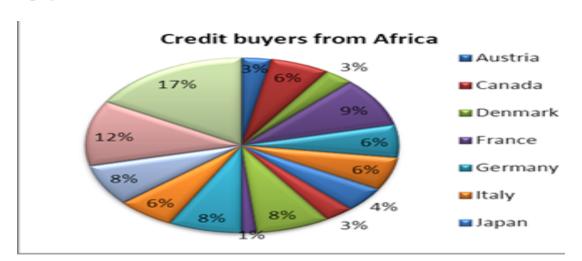


Sectoral and country wide distribution of CDM projects in Africa.



Trends Cont..

Average numbers of months taken for registration post 'start comment' vis-a-vis number of projects registered per project category



Credit buyers from Africa



Addressing the challenge of 'scaling up'

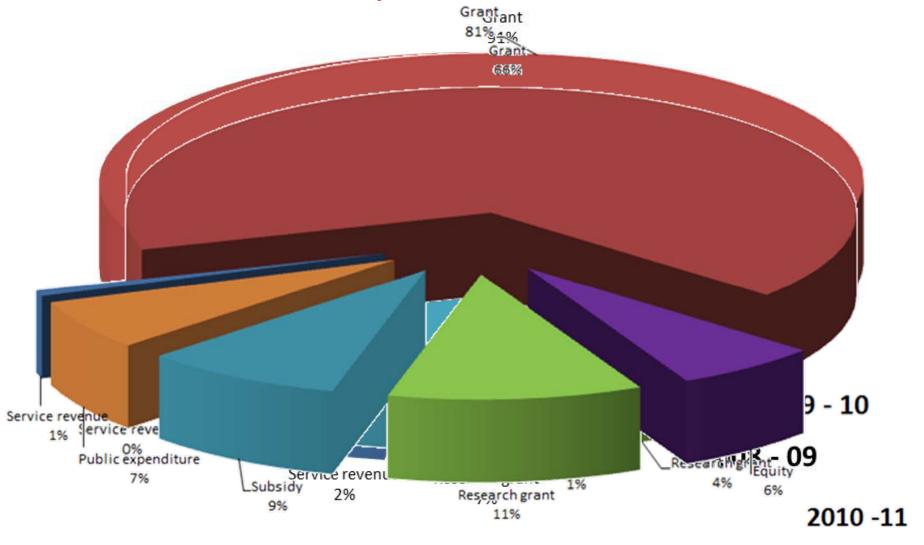
- CDM Trends point to investment opportunities and the need for scaling up
- Domestic Policy drivers as enablers
- Global Institutional structures to provide preferential arrangements based on vulnerability factors
- Scaling up will require innovative financial and business models for attracting investments

Innovating Financial Mechanism: TERI case study of 'Light a Billion Lives' program.

Category	Definition	Accountability
Pure grant	Funds given as a part of philanthropic activity (tax exemption or benefits can also be claimed)	Negligible
Research grant	Funds given with a research objective and a tangible outcome is expected (a report, a product etc)	Low
Public expenditure / Subsidy	Govt. funds with fiscal objectives.	Medium
Loans	Funds provided by a bank with a <u>ToR</u> similar to retail lending	High
Equity	User/ community/ entrepreneur contribution towards the project hardware cost	Highest
Service revenue	Payment for services provided by TERI	Not applicable

¹This can be inferred as a financial flow gradient, a terminology we have formed using concepts in Information Economics

LaBL: Inflow analysis – Financial Gradients





Thank You