

Carbon markets in the Paris Agreement Civil society priorities for the future

Learning from the CDM

Engaging the private sector with new mechanisms

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COP22 Side Event Tuesday 8 November 2016, Room Pacific (150) Time: 15.00-16.30

Distribution of expected CERs from registered projects by Host Party

Total expected CERs is the sum of each projects average annual reductions: 1,000,740,068 t CO₂e



Source: UNFCCC

Distribution of expected CERs from projects that have issued CERs, adj. by past rate of issuance





Ind.gas Renewable CH4 Other Other

Total potential supply of CERs from end KP 1st CP to 2020

										- 8,000	
	Expected CErs fro	m all register	ed projects							- 7,500	
	Expected CERs fro	om projects th	at have issue	d CERs						- 7,000	
Expected CERs from projects that have issued CERs, adj. by past rate of issuance											
· · · · · · · ·	a fa na a a a a a a a			u oento, aŭ	, by pastrat	c on loodanee				- 6,000	
	CERs issued to d	ate								- 5,500	
										- ^{5,000} s	
2012 , CI	ER Issued	2013,CER	Issued pected :							- 4,500 🗏	
/CER	expected :	around 50	•							-4,000 ∃	
around	. 70%			· ·						- 3,500 n	
										-3,000 G	
										- 2,500	
										- 2,000	
	· · · · · · · · · · · · · · · · · · ·									- 1,500	
										- 1,000	
				e e e						- 500	
										- 0	
2012	2013	2014	2015	2016	2017	2018	2	019	2020		

Data as of 30 Sep 2016 Source: UNFCCC

CDM Morocco experiences

В	С	D	E	F	G	Н	I.	J	К	L	M	N	0	Р	Q	R
			2nd period			Expected	Expected	Expected			Total	First		Expected	Issuance `	Issuance
Title	Туре	ktCO2e/yr	ktCO2e/yr	yrs.	Credit start	accumu-	accumu-	accumu-	kCERs CP1		issuance	issuance	Until	kCERs	success	delay ,
Essaouira wind power project	Wind	156			01-janv-07	936	1560	1560					31-déc-12		59%	40
Tétouan Wind Farm Project for	Wind	29	23	7	01-oct-05	208	387	517	175		175	23-juil-07	30-sept-12	201	87%	22
Lafarge Cement Plant																
"Photovoltaic kits to light up rural	Solar	39		10	01-janv-07	227	386	386		· ·						119
households in Morocco"				_												
OULJA Landfill gas recovery and	Landfill gas	32		(06-nov-07	189	428	682						0		109
flaring Surac Bagasse Plant Project	Biomass energy	32		7	22-juin-09	131	365	665		~	-		્હું	`		89
	=-												o chine o	No N		
Haouma Wind Farm Project,	Wind	134		1	31-déc-12	134	1077	2422	·				8 4	CF 00 CF 00 20 20 20 20 20 20 20 20 20		46
developed by NAREVA HOLDING				_									হ	A.		
Akhfennir Wind Farm Project -	Wind	265		7	01-févr-13	199	2097	4746						0		45
Morocco.	1.6.1				04.1.4.44	504	0177									
Tanger wind power project.	Wind	334			01-juil-11	501		3341								64
Marrakesh Wastewater Treatment	Methane avoidance	62		10	01-janv-13	0	500	625								46
Plant (WWTP) with biogas recovery													× ×			
for cogeneration Wind farm extension project for	Wind	50		7	01-janv-13	0	399	898								46
Lafarge's cement plant in Tétouan	Willia	50		'	organie io			000			16 1	reaisti	red pr	ojects	:	. 40
Fuel oil to vegetable biomass	Biomass energy	11		10	31-déc-12	0	89	111				- 3				46
switching at Lesieur Cristal Limited		, i i i i i i i i i i i i i i i i i i i									.7.1	Vind				
Corporation																
Ouarzazate Concentrated Solar	Solar	279		10	01-janv-16	0	1394	2787	,			Solar				9
Power Project	Joiai	213		10	01-janv-16		1004	2101			-3 b	bioma	ss ene	rgy		J
Jbel Sendouq-Khalladi ("Khalladi")	Wind	144		7	01-mai-14	0	961	2401			2 1	andfill	qas			30
wind farm project in Morocco														idanc	<u> </u>	
Heat recovery and fuel switch from	Biomass energy	10		10	01-janv-14	0	73	105				netmai		Taano		34
natural gas to biomass residues	biomass energy	10		10		, °	10	100								
implemented at Renault Tanger																
Méditerranée (RTM) plant -																
Melloussa, Morocco																
Fes New Landfill Gas Recovery	Landfill gas	119		10	12-mars-15	0	689	1186	i							19
Reuse and Flaring Project – Fes,																
RAMSA - Biogas recovery and	Methane avoidance	44		4	01-juil-18	0	194	531								-21
electricity generation from M'zar																
Wastewater treatment plant,																



CDM Morocco's Portfolio

CERs until 2012

Morocco Expected accumulated CER 2012: 2754 kTCO2e



Morocco Total issuance 2012:

706 kTCO2e: 25.6%
2 Project from 8

Source : www.CD4CDM.org 1st October 2016





Handicaps for CDM project proponents in Africa and least developed countries

- The complexity of the CDM process
- Lack of local expertise to succeed in this process
- Lack of data to complete this process properly
- High transaction costs for the project proponent
- Need for the proponent to advance the necessary funds without guaranty to access CERs
- The market price has fallen from 32 Euros to 0.5 Euros between 2008 and 2016
- Lack of lawyers to assist project developers in drafting their sale contracts to carbon corporations

• Most of these corporations found a way (Major Force) not to meet their commitments when the market plunged after 2009 !!!!



What is needed in the design of a new carbon market mechanism for Africa ?

- Simplified mechanism with simple safegauards
- Removal of additionality demonstration for RnE & EE projects
- Technical & financial support for projects proponents to go through the process including setting contracts with carbon credits buyers
- Capacity Building for African experts to develop and monitor the eligible projects

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• Floor price for carbon credits