



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

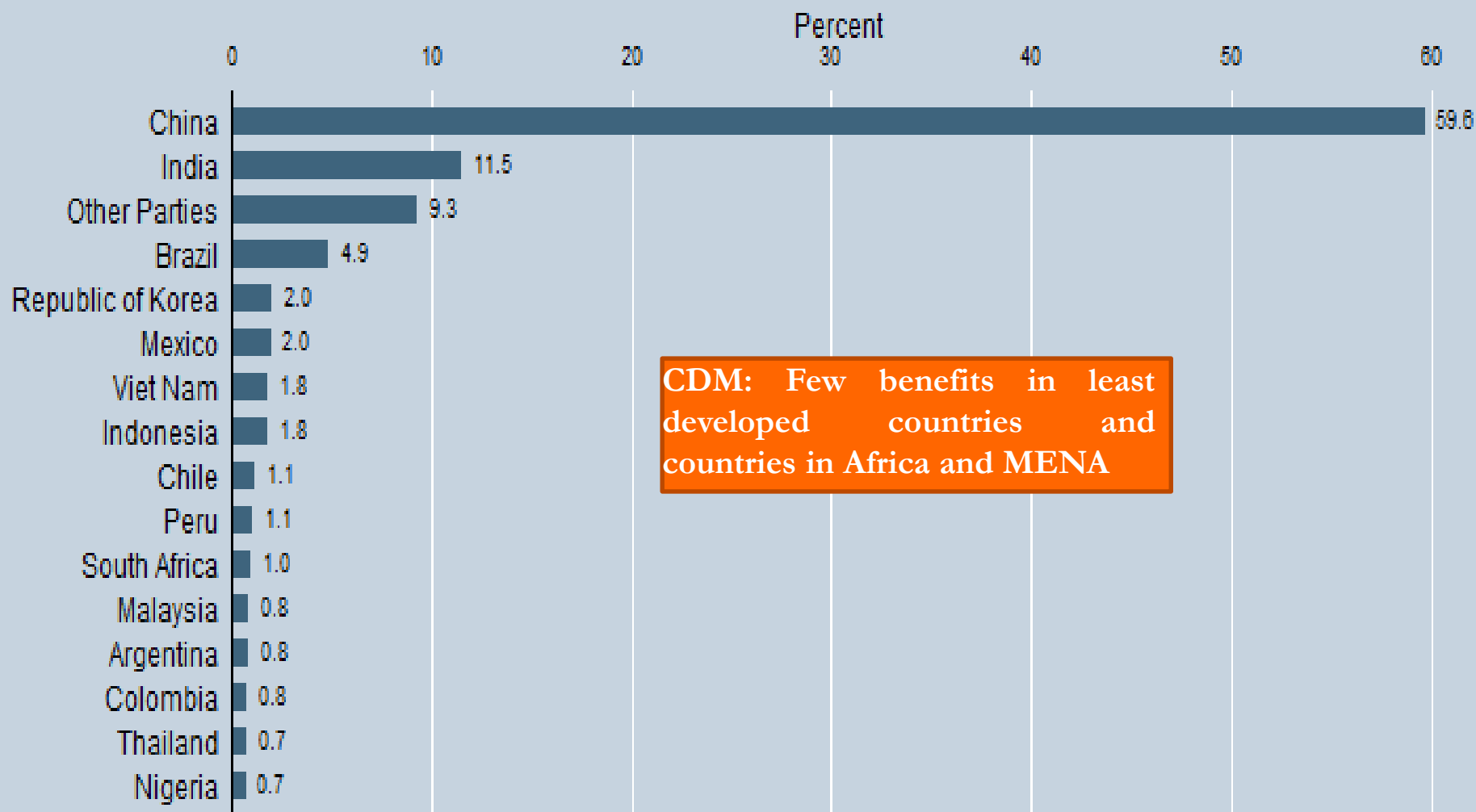




- The Group of Studies and Research on Renewable Energy and the Environment (GERERE) is a Moroccan association, created in 1992 .
- The objective of the association is to promote the use of renewable energy and energy efficiency technologies to support the eco-development in all socio-economic sectors.
- Since 1996 GERERE has been very active on different aspects linked to Climate Change
- GERERE co-founded the Climate Action Network Maghreb (CAN Maghreb), which represents the North African NGOs in CAN International (CAN-I).

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

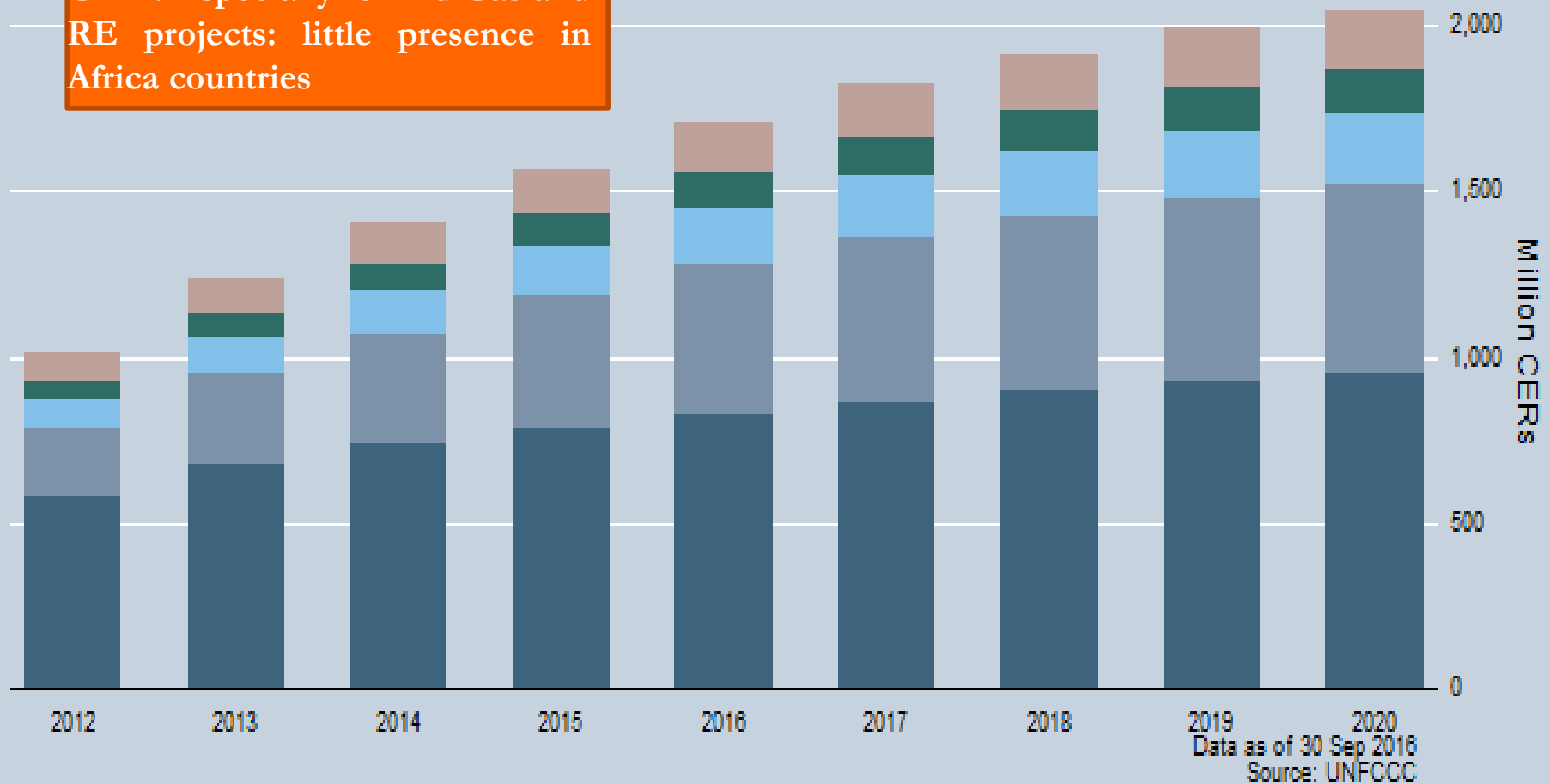


Data as of 30 Sep 2016
Source: UNFCCC

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

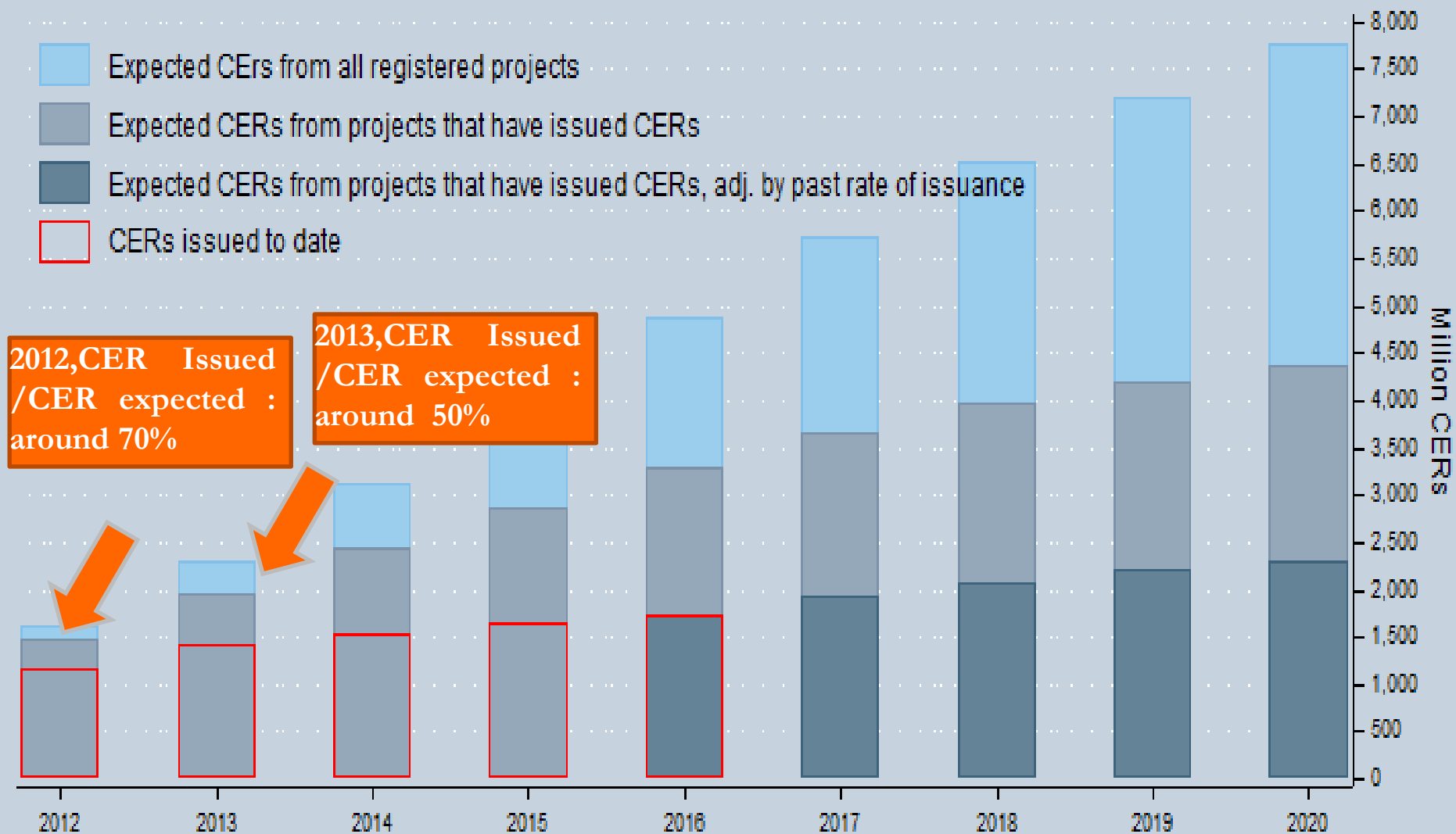
by project type

CDM: Especially for Ind Gas and RE projects: little presence in Africa countries



Ind. gas Renewable CH4 Other Other

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



Data as of 30 Sep 2018
Source: UNFCCC

CDM Morocco experiences

B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
Title	Type	1st period ktCO2e/yr	2nd period ktCO2e/yr	yrs.	Credit start	Expected accumu-	Expected accumu-	Expected accumu-	kCERs CP1	kCERs CP2	Total issuance	First issuance	Until	Expected kCERs	Issuance success	Issuance delay
Essaouira wind power project	Wind	156		10	01-janv-07	936	1560	1560	549		549	22-avr-10	31-déc-12	937	59%	40
Tétouan Wind Farm Project for Lafarge Cement Plant	Wind	29	23	7	01-oct-05	208	387	517	175		175	23-juil-07	30-sept-12	201	87%	22
"Photovoltaic kits to light up rural households in Morocco"	Solar	39		10	01-janv-07	227	386	386								119
QULJA Landfill gas recovery and flaring	Landfill gas	32		7	06-nov-07	189	428	682								109
Surac Bagasse Plant Project	Biomass energy	32		7	22-juin-09	131	365	665								89
Haouma Wind Farm Project, developed by NAREVA HOLDING	Wind	134		7	31-déc-12	134	1077	2422								46
Akhfennir Wind Farm Project - Morocco.	Wind	265		7	01-févr-13	199	2097	4746								45
Tanger wind power project.	Wind	334		10	01-juil-11	501	3177	3341								64
Marrakesh Wastewater Treatment Plant (w/WTP) with biogas recovery for cogeneration	Methane avoidance	62		10	01-janv-13	0	500	625								46
Wind farm extension project for Lafarge's cement plant in Tétouan	Wind	50		7	01-janv-13	0	399	898								46
Fuel oil to vegetable biomass switching at Lesieur Cristal Limited Corporation	Biomass energy	11		10	31-déc-12	0	89	111								46
Quarzazate I Concentrated Solar Power Project	Solar	279		10	01-janv-16	0	1394	2787								9
Jbel Sendouq-Khalladi ("Khalladi") wind farm project in Morocco	Wind	144		7	01-mai-14	0	961	2401								30
Heat recovery and fuel switch from natural gas to biomass residues implemented at Renault Tanger Méditerranée (RTM) plant - Melloussa, Morocco	Biomass energy	10		10	01-janv-14	0	73	105								34
Fes New Landfill Gas Recovery Reuse and Flaring Project - Fes, RAMSA - Biogas recovery and electricity generation from M'zar Wastewater treatment plant,	Landfill gas	119		10	12-mars-15	0	689	1186								19
	Methane avoidance	44		4	01-juil-18	0	194	531								-21

8 Projects
with
expected
CER 2012

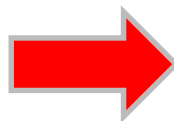
16 registered projects :

- 7 Wind
- 2 Solar
- 3 biomass energy
- 2 landfill gas
- 2 Methane avoidance

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



GERERE

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 safeguards
- 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
- Floor price for carbon credits