

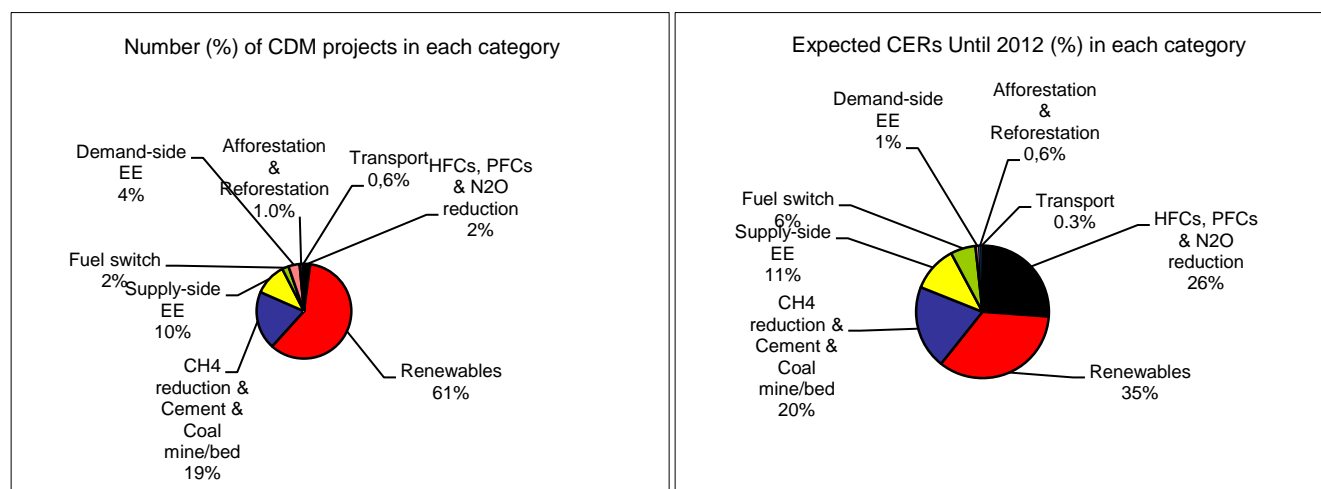
CDM update for Latin America and Caribbean Region
October, 2010, UNEP Risoe CDM Pipeline (www.cdmpipeline.org)

Global Overview

This CDM update seeks to provide an overview of the CDM on a global scale and take a closer look at the CDM in the Latin America and Caribbean Region. The number of new projects entering the Pipeline is still increasing. In September 2010, 124 new CDM projects entered the Pipeline. Only September 2008, October 2008 and June 2010 saw higher numbers.

The first table below shows the regional distribution of CDM projects in the CDM pipeline (rejected projects excluded). The two figures show the number of CDM projects in each project category and the expected amount of CERs until 2012. The second table shows the status of the CDM projects in the project.

<i>Region</i>	<i>Amount of CDM projects</i>	<i>%</i>
Latin America & Caribbean	889	16,08%
Asia & Pacific	4373	79,09%
Europe and Central Asia	61	1,10%
Africa	143	2,59%
Middle East	63	1,14%
Total	5529	100%



<i>Status of CDM projects</i>	<i>Number</i>
At validation	2954
Request for registration	56
Request for review	36
Correction requested	57
Under review	26
Total in the process of registration	175
Withdrawn	49
Rejected by EB	173
Validation negative by DO	162
Validation terminated by DOE	751
Registered, no issuance of CERs	1622
Registered. CER issued	778
Total registered	2400
Total number of projects (incl. rejected & withdrawn)	6664

Latin America - Caribbean Overview

This section gives a general overview of CDM projects in Latin America and Caribbean. The table below shows the cumulative number of CDM projects in all three project phases: Validation, Requesting Registration and Registered for countries in Latin America and Caribbean. The development from 2006 to October 2010 is shown together with the summarized numbers for Latin America and Caribbean. The global number of projects is listed in the bottom of the table.

Country	2006	2007	2008	2009	1/10-2010	% of the total amount of projects in Latin America (1/10-2010)
Argentina	11	17	19	29	34	3,82%
Bahamas	0	0	0	0	1	0,01%
Bolivia	3	3	4	5	6	0,01%
Brazil	149	179	259	325	354	39,82%
Chile	24	39	54	61	74	8,32%
Colombia	9	22	34	50	65	7,31%
Costa Rica	5	6	8	9	10	1,12%
Cuba	1	2	2	2	3	0,01%
Dominican Republic	1	1	3	4	7	0,78%
Ecuador	11	17	18	22	24	2,69%
El Salvador	5	6	7	7	7	0,78%
Guatemala	8	8	14	15	18	2,02%
Guyana	1	1	1	1	1	0,01%
Honduras	14	20	25	29	32	3,59%
Jamaica	1	1	1	1	1	0,01%
Mexico	100	122	141	160	171	19,24%
Nicaragua	3	3	6	7	8	0,89%
Panama	5	6	13	16	19	2,14%
Paraguay	0	2	4	4	4	0,45%
Peru	10	19	26	34	38	4,27%
Uruguay	2	2	5	8	12	1,35%
Total Latin America	363 (32,35% of the global amount of projects)	476 (21,5% of the global amount of projects)	644 (17,99% of the global amount of projects)	789 (16,80% of the global amount of projects)	889 (16,08% of the global amount of projects)	100%
Total global	1122	2205	3579	4696	5529	

Latin American CDM projects by type

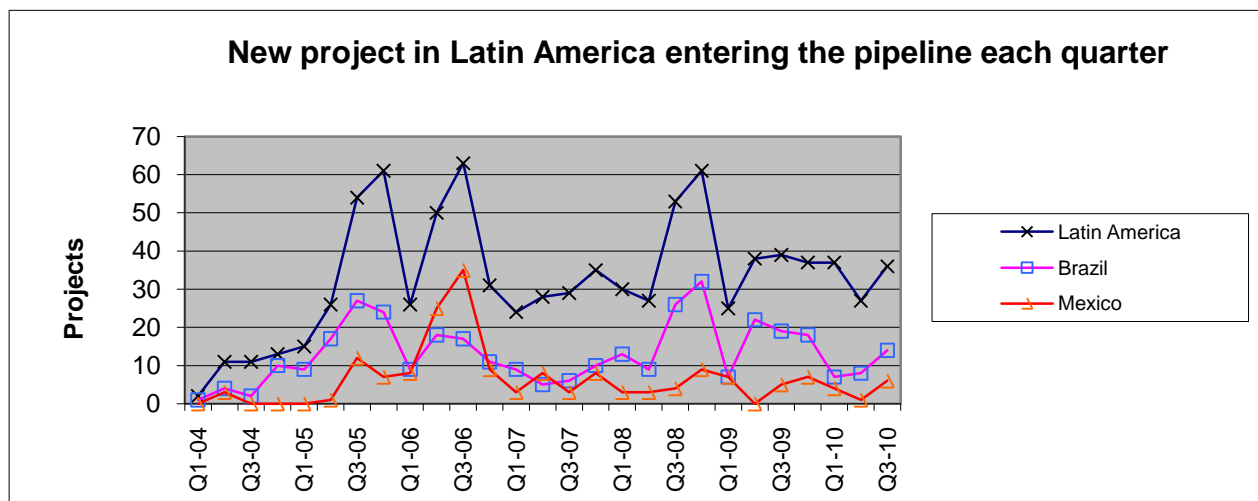
The table below shows the distribution of Latin American CDM projects on the different project types and the total expected amount of CERs generated until the end of 2012 for each project type.

<i>Latin America</i>	<i>Number</i>		<i>Expected CERs (000) until the end of 2012</i>	
Afforestation	3	0,34%	1,129	0,29%
Agriculture	0	0,0%	0	0%
Biomass energy	153	17,32%	38,745	10,08%
Cement	3	0,34%	1,180	0,31%
CO2 capture	3	0,34%	156	0,01%
Coal bed/mine methane	1	0,01%	2,200	0,57%
Energy distribution	3	0,34%	962	0,25%
EE households	2	0,22%	1,654	0,43%
EE industry	14	1,57%	2,350	0,61%
EE Own Generation	19	2,14%	8,849	2,3%
EE service	1	0,01%	9	0,01%
EE supply side	14	1,57%	7,764	2,02%
Fossil fuel switch	16	1,79%	3,846	1,00%
Fugitive	7	0,79%	1,709	0,44%
Geothermal	4	0,45%	3,668	0,95%
HFCs	2	0,01%	21,479	5,59%
Hydro	211	23,73%	54,860	14,28%
Landfill gas	124	13,95%	110,163	28,67%
Methane avoidance	219	24,63%	49,163	12,79%
N2O	9	1,01%	44,827	11,66%
PFCs and SF6	5	0,56%	1,599	0,41%
Reforestation	15	1,69%	6,037	1,57%
Solar	1	0,01%	5	0,01%
Tidal	0	0,0%	0	0%
Transport	12	1,35%	4,382	1,14%
Wind	48	5,39%	17,605	4,58%
Total	889	100%	384,3	100%

A **Projection** based on an analysis of the UNEP Risoe CDM Pipeline shows that a total of about **1419 Latin American CDM projects** are expected to be in the pipeline (under Validation, Requesting Registration & Registered) by the end of 2012. Taking into account project success rates, CER issuance success, time-lags, etc, it is projected that **384,341 mill. CERs** (equal to **13.59%** of the expected global amount: **2827,972 mill. CERs**) could be generated from Latin American projects before the end of 2012. Assuming a CER price of 10 €/ton CO₂ this is equal to around **€ 3.840 mill.**

Development in Latin American CDM projects over time

The figure below illustrates the development of Latin American CDM projects over time. It can be seen that the development of new projects entering the pipeline from Latin America is highly influenced by projects hosted by Mexico and Brazil.



Latin American CDM projects submitted the last two months

The table below shows the type of Latin American CDM projects submitted for validation since August 1, 2010. They are all at the validation stage. It is worth noticing that out of the 23 CDM projects submitted are 11 hydro projects and 10 projects located in Brazil.

Project type (subtype) submitted August 1 – October 1, 2010	Country (number of projects)
Hydro (Run of river)	Brazil (6), Panama (1), Guatemala (1)
Hydro (New dam)	Dominican Republic (1), Panama (1)
Biomass energy (Agricultural residues: other kinds)	Mexico (3)
Biomass energy (Bagasse power)	Brazil (1)
Methane avoidance (Waste water)	Brazil (1)
Landfill gas (Landfill power)	Chile (2)
Wind	Chile (1)
EE supply side (Single cycle to combined cycle)	Cuba (1)
Energy distribution (Connection of isolated grid)	Brazil (2)
Transport (Buss Rapid Transport)	Mexico (1)
Reforestation	Colombia (1)

Programmatic CDM projects in Latin America

The table below shows the programmatic CDM projects in Latin America. Please note that the programmatic projects are not included in the statistics of normal CDM projects earlier in this document. Each submission consists of a Program of Activities (PoA) and a specific project (CPA), only the PoA is listed here. No programmatic CDM program has more than one CPA. The table lists project title, host country, coordinating entity, project status, type & sub-type, DOE and submission date. Currently, Latin America hosts 19% (11 projects) of the global number of programmatic CDM projects.

<i>Title</i>	<i>Country</i>	<i>Coordinating entity</i>	<i>Status</i>	<i>Type</i>	<i>Sub-type</i>	<i>Validator (DOE)</i>	<i>Submitted</i>
Methane capture and combustion from Animal Waste Management (...)	Brazil	æSadia	Registered	Methane avoidance	Manure	Det Norske Veritas Certification (DNV)	22-02-08
CUIDEMOS Mexico (Campana De Uso Inteligente De Energia Mexico)	Mexico	Cool nrg Carbon Investments	Registered	EE households	Lightning	Det Norske Veritas Certification (DNV)	16-07-08
Masca Small Hydro Programme	Honduras	Hidromasca	Registered	Hydro	Run of river	TÜV-SÜD	16-12-08
Futuro Forestal Nicaragua Reforestation Program	Nicaragua	Opera	At Validation	Reforestation	Reforestation	Bureau Veritas Certification	24-12-09
Distribution of ONIL Stoves—Mexico	Mexico	Helps International	At validation	EE households	Stoves	TÜV-SÜD	30-12-09
Distribution of ONIL Stoves	Guatemala	Helps International	At validation	EE households	Stoves	TÜV-SÜD	30-12-10
“Turbococinas” rural cooking stove substitution program	El Salvador	Tecnologías Ecológicas Centroamericanas (TECSA)	At Validation	EE households	Stoves	AENOR	27-02-10
AWMS Composting Project	Brazil	AMBIO Participações	At Validation	Methane avoidance	Composting	Bureau Veritas Certification	16-07-07
Programme of activities to switch from residual fuel oil to LPG	Peru	Repsol YPF Comercial del Perú	At Validation	Fossil fuel switch	Oil to LPG	AENOR	22-07-10
SWAMPA–Brazil (Sustainable Swine Waste Management Programme of Latin America)	Brazil	Nemorus Securities	At Validation	Methane avoidance	Manure	Bureau Veritas Certification	30-07-10
Caixa Econômica Federal Solid Waste Management and Carbon Finance Project	Brazil	Caixa	At validation	Landfill gas	Switch from fossil fuel to piped landfill gas	Bureau Veritas Certification	22-09-10