Side event on CDM
Monday, Nov 13th
Venue: ACACIA
UNEP Nairobi

Analytical Results from CD4CDM's CDM Pipeline and Database

Jørgen Fenhann, UNEP Risoe Centre
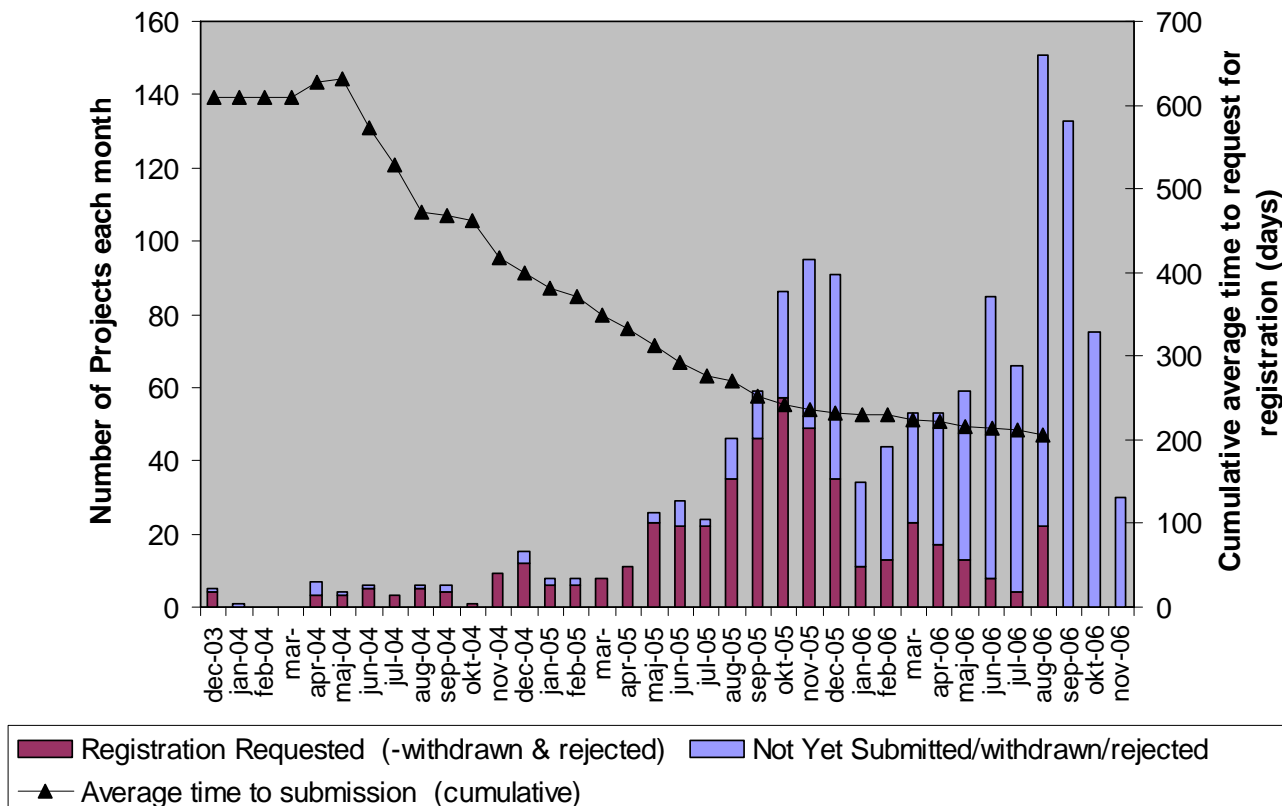
What is the UNEP Risoe CDM/JI Pipeline?

• The UNEP Risoe Pipeline is a spreadsheet containing the most important information from all the Project Design Documents, and the New/Approved Methodologies available on the UNFCCC CDM web site: cdm.unfccc.int

• The UNEP Risoe Pipeline is updated Monthly at: www.cd4cdm.org/Publications/CDMPipeline.xls

•The Pipeline contains a large amount of analysis like: time-series, status of project in the project cycle, types, DOEs, Methodology overview, issuance success etc.
• The Pipeline is used worldwide for other analysis.

How are CDM projects progressing in the project cycle?

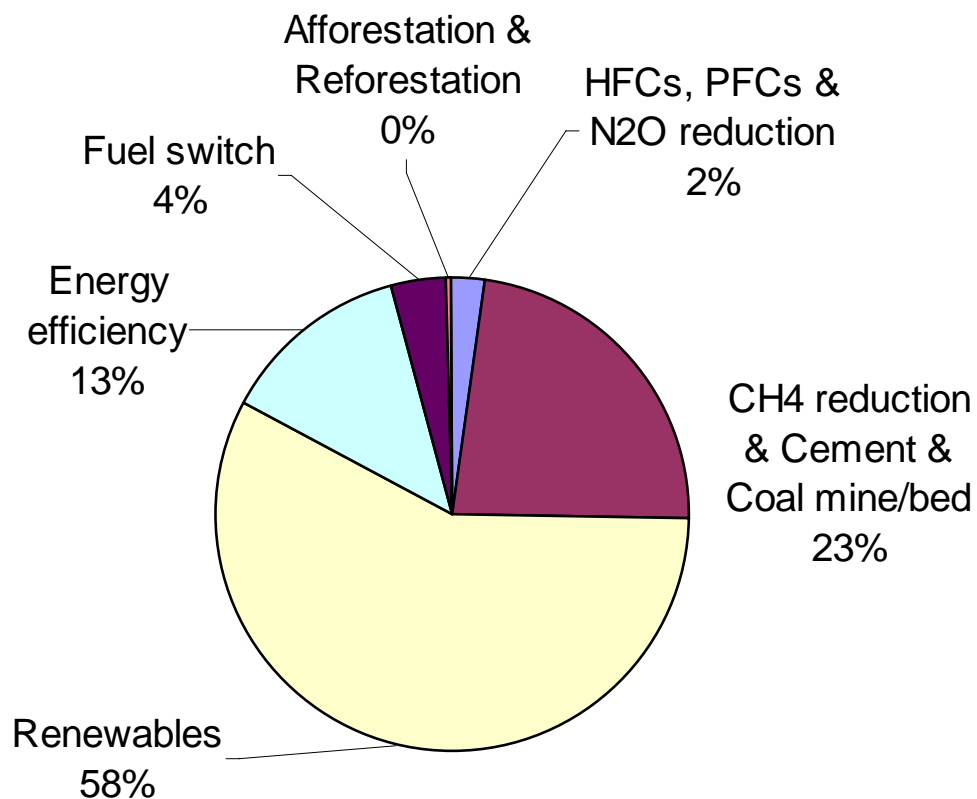| Status of CDM projects (9 November 2006)	Number
At validation	**845**
Request for registration	52
Request for review	18
Correction requested	6
Under review	4
Total in the registration process	**80**
Withdrawn	2
Rejected by EB	8
Registered, no issuance requested	313
Registered, request for CERs	4
Registered, correction requested	3
Registered, request for CER issuance review	1
Registered, under review	3
Registered. CER issued	78
Total registered	**402**
Total number of projects:	**1337**

The number of CDM projects in the pipeline is developing very fast

Number of CDM projects starting the public comments period each month, the number of them that have requested registration, and the cumulative timelag between these two events.
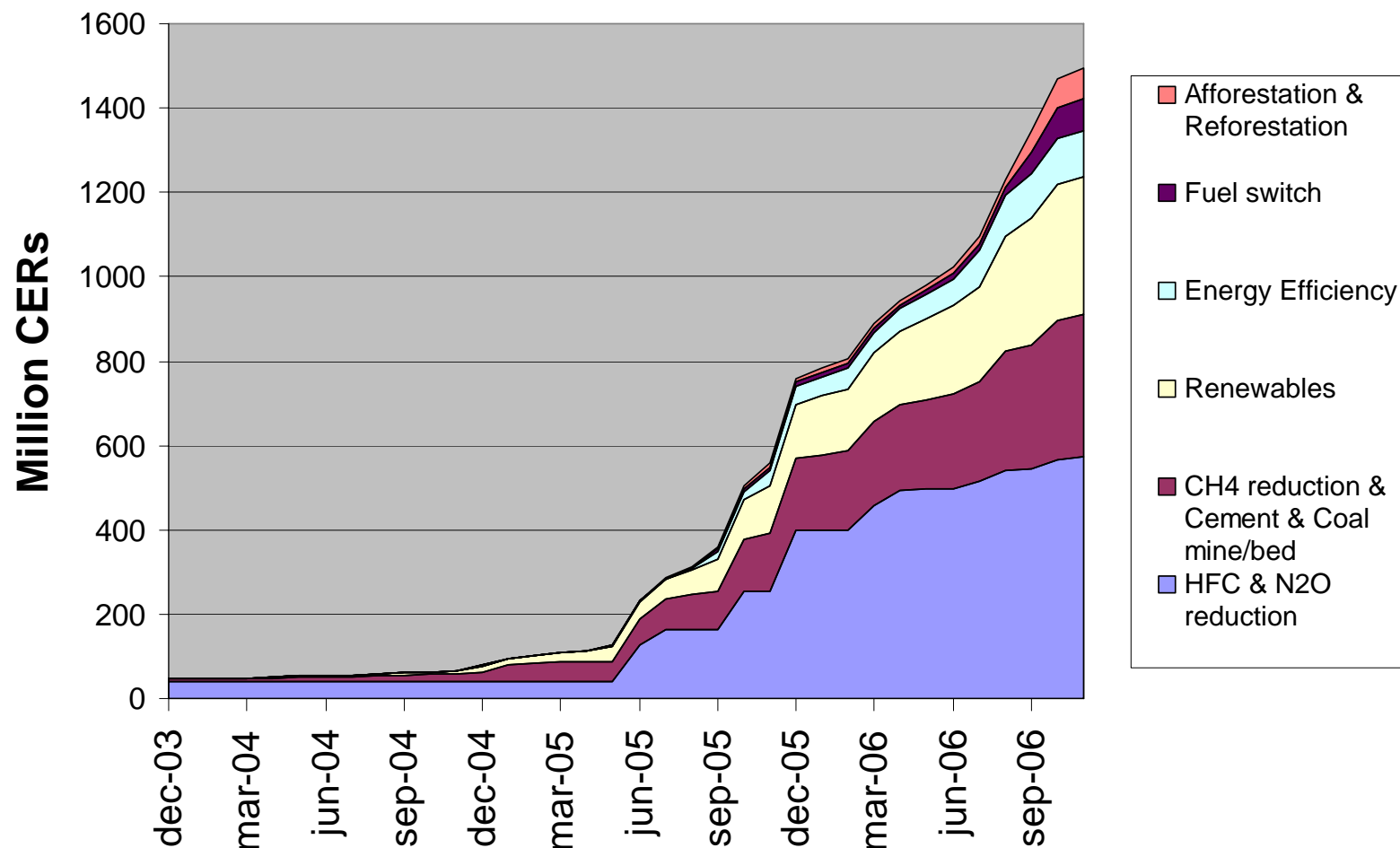

Legend:
- Registration Requested (-withdrawn & rejected)
- Not Yet Submitted/withdrawn/rejected
- Average time to submission (cumulative)

How many projects of different types does the pipeline contain?

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Number (%) of CDM projects in each sector

- Afforestation & Reforestation 0%
- HFCs, PFCs & N2O reduction 2%
- Fuel switch 4%
- Energy efficiency 13%
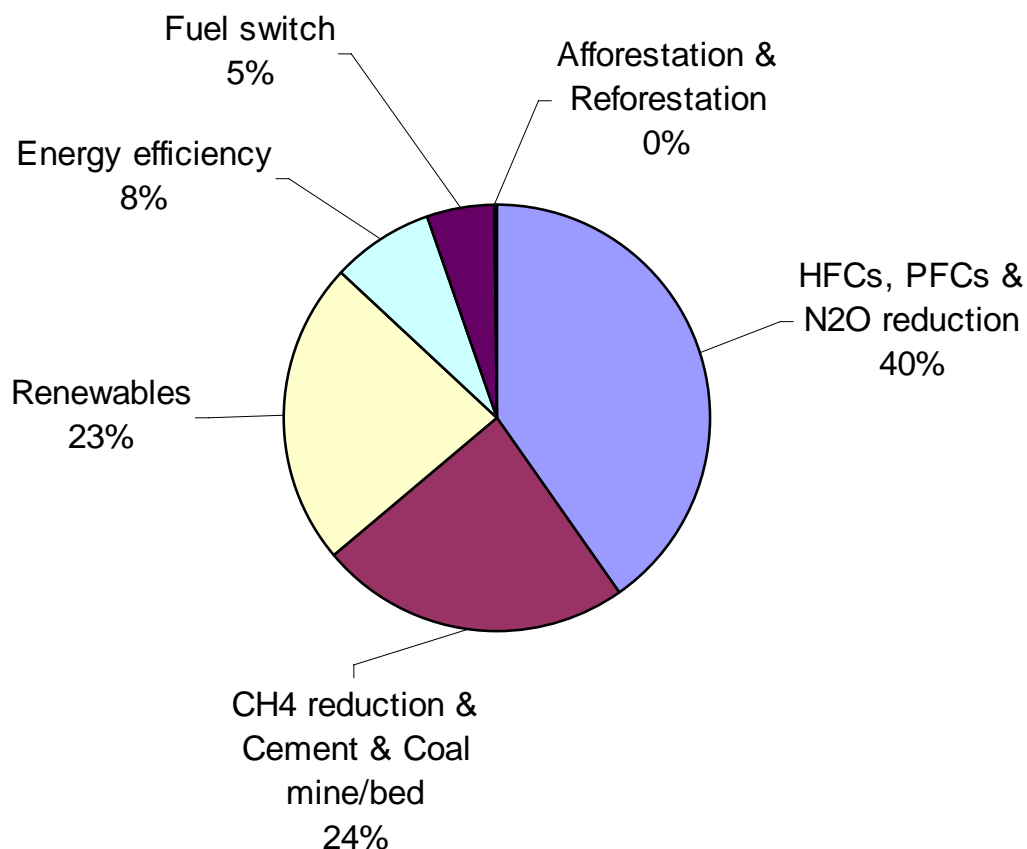- CH4 reduction & Cement & Coal mine/bed 23%
- Renewables 58%

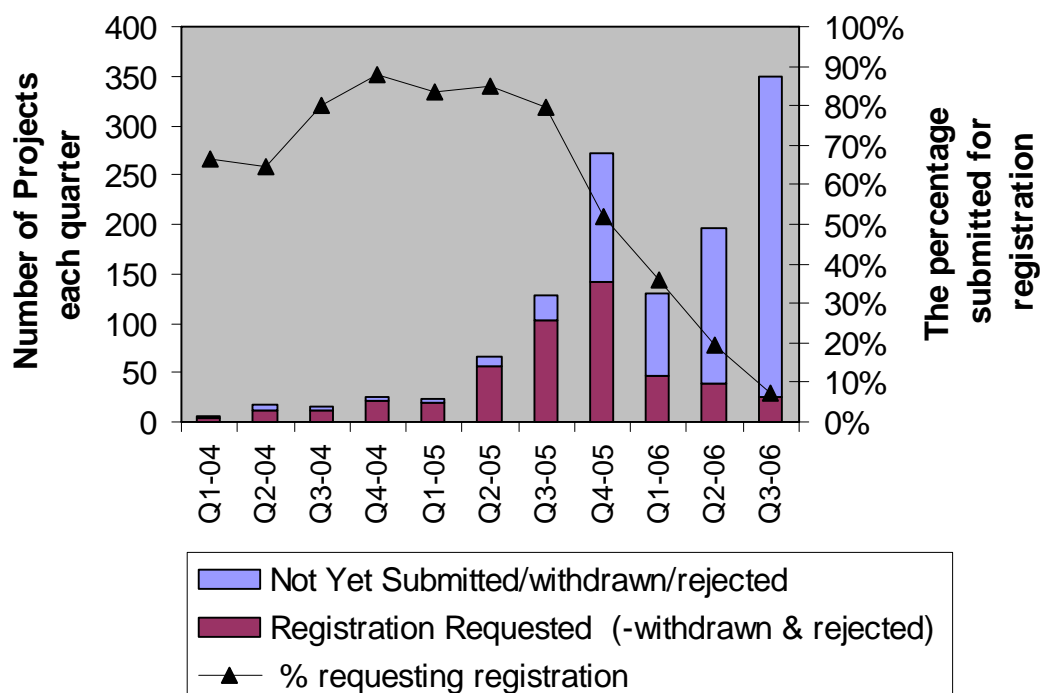# How much is the existing CDM projects expected to reduce GHG emissions until 2012?

How many CERs are the different types of CDM projects expected to produce?

CERs until 2012 from CDM projects in each sector

- Fuel switch 5%
- Energy efficiency 8%
- Renewables 23%
- Afforestation & Reforestation 0%
- HFCs, PFCs & N2O reduction 40%
- CH4 reduction & Cement & Coal mine/bed 24%

How many of the CDM project succeed passing the project cycle?

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Number of CDM projects starting the public comments period each quarter, the number of them that have requested registration, and the fraction in % as a curve

Legend:
- Not Yet Submitted/withdrawn/rejected
- Registration Requested (-withdrawn & rejected)
- % requesting registration

The figure shows that maybe 80-90% of the projects will request registration.

Almost all projects requesting registration gets registered: Only 8 projects have been rejected by the EB.

What is the issuance success (the CERs issued/CERs expected in the last PDD)?

Type	Total Pipeline		CDM project with CERs issued (09/11/06)		
	Projects		Projects	Issued kCERs	**Issuance success**
Afforestation	0				
Agriculture	158		7	995	70%
Biogas	71		1	85	97%
Biomass energy	294		35	2628	82%
Cement	28				
Coal bed/mine methane	14				
Energy distribution	0				
EE households	4				
EE industry	146		3	240	88%
EE service	10				
EE supply side	11				
Fossil fuel switch	53				
Fugitive	10		1	278	80%
Geothermal	8		1	27	9%
HFCs	15		3	12649	77%
Hydro	225		17	846	81%
Landfill gas	98		2	73	8%
N2O	12				
Others	0				
PFCs	1				
Reforestation	3				
Solar	7				
Tidal	1				
Transport	2				
Wind	156		8	476	87%
Total	1327		**78**	18296	**74,7%**

There is a host country imbalance (1)

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Total in the CDM Pipeline	Number		2012 kCERs	
Latin America	472	**35,6%**	302716	**21,3%**
Asia & Pacific	800	**60,3%**	1012325	**71,1%**
Europe and Central Asia	16	**1,2%**	4667	**0,3%**
Sub-Sahara Africa	21	**1,6%**	74319	**5,2%**
North Africa & Middle-East	18	**1,4%**	29440	**2,1%**
Less developed World	1327	**100%**	1423468	**100%**

Africa	Number	kCER2012	
Egypt	5	12454	1 Landfill flaring, 1 N2O, 1 Wind, 2 Fuel switch
Equatorial Guinea	1	23560	1 Fugitive CH4 from oil-well
Ivory Coast	1	5661	1 Landfill power
Morocco	4	1991	2 Wind, 1 Solar, 1 EE industry
Nigeria	2	25026	2 Fugitive CH4 from oil-well
South Africa	15	19155	3 Biomass, 2 EE industry, 2 N2O, 2 Landfill power, 2 Fuel switch,
Tanzania	1	672	1 Landfill flaring 1 Coal-bed, 1 Hydro, 1 EE households, 1 Biogas
Tunisia	2	4125	2 Landfill flaring
Uganda	1	245	1 Hydro
Total	**32**	**92891**	

There is a host country imbalance (2)

All CDM Projects in the Pipeline in
Brazil + Mexico + India + China
as a fraction of all projects
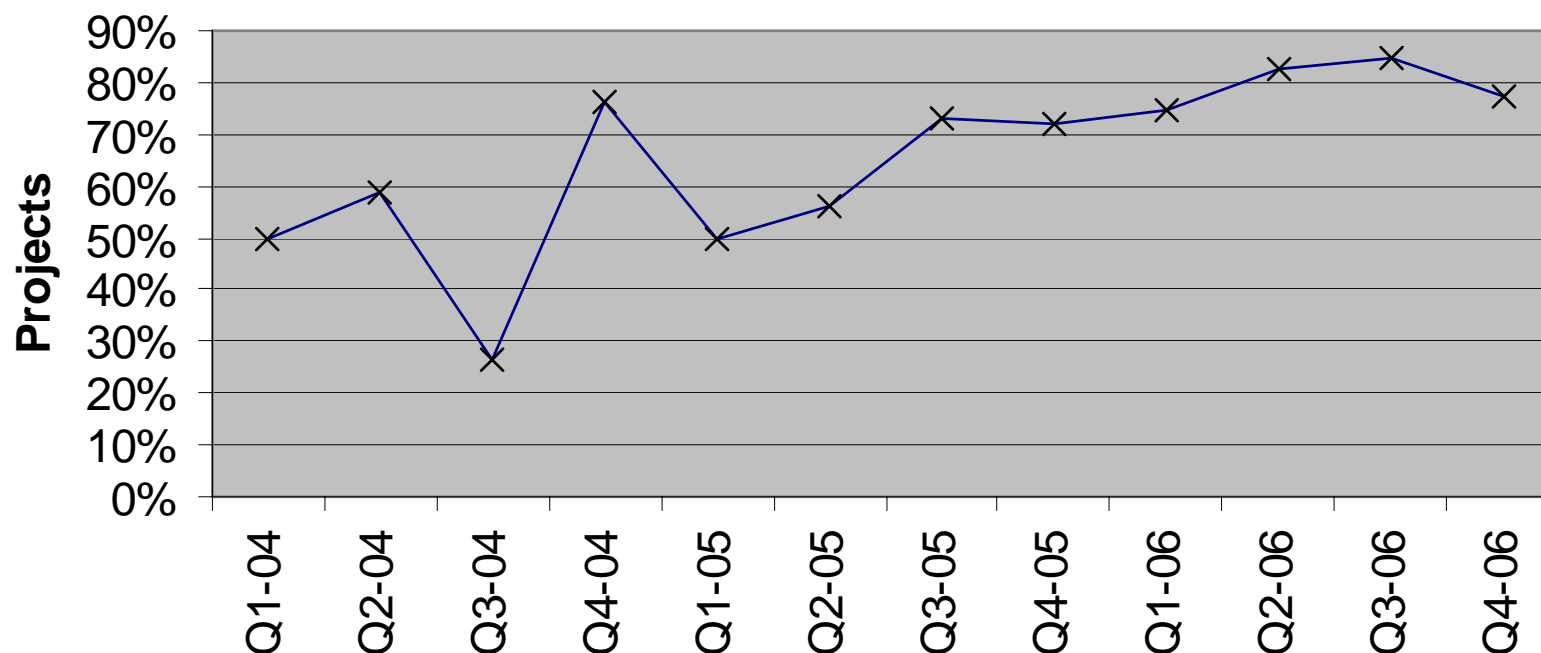
SD benefits of the first 744 CDM projects in the Pipeline (CD4CDM Working Paper No.2)

Project type SD profiles