



CDM/JI/emissions trading

Background, status of the market based mechanisms and the role of the carbon market


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Public Information Officer

UN Climate Change Secretariat



The international response to climate change – overview

- 
- A vertical red arrow pointing upwards, with red circular markers at each event point.
- 2008** COP-14-CMP-4 Poznan
 - 2007** COP-13/CMP-3 Bali
 - 2005** 16 February: Entry into force of the Kyoto Protocol
 - 2001** COP-7 Marrakesh: Finalization of the technical details relating to the Kyoto Protocol – “Marrakesh Accords”
 - 1997** COP-3 Kyoto: Adoption of the Kyoto Protocol
 - 1992** Adoption of the UN Framework Convention on Climate Change



Kyoto Protocol

- Entry into force on 16 February 2005
- 183 Parties ratified (Dec. 2008)
- Legally binding GHG emission targets for 37 industrialized countries and EU
- Emissions of six major greenhouse gases
- New international market-based mechanisms, creating a new commodity: carbon
- Facilitate sustainable development and additional support to developing countries on adaptation

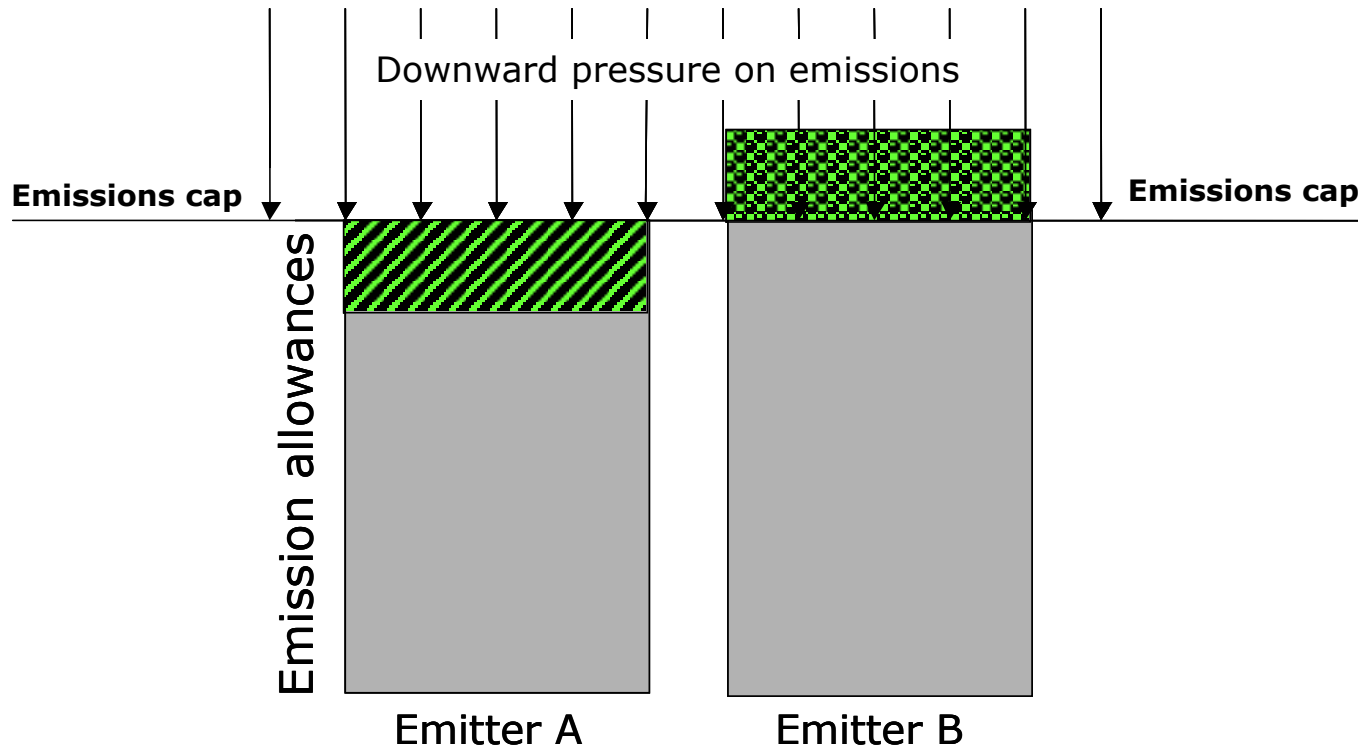


- International emissions trading
- Clean Development Mechanism (CDM)
 - Emission reduction projects in developing countries
- Joint Implementation
 - Projects in any country with a commitment under the Kyoto Protocol
- Projects can earn saleable/tradable units that can be used for compliance with KP targets





Emissions trading



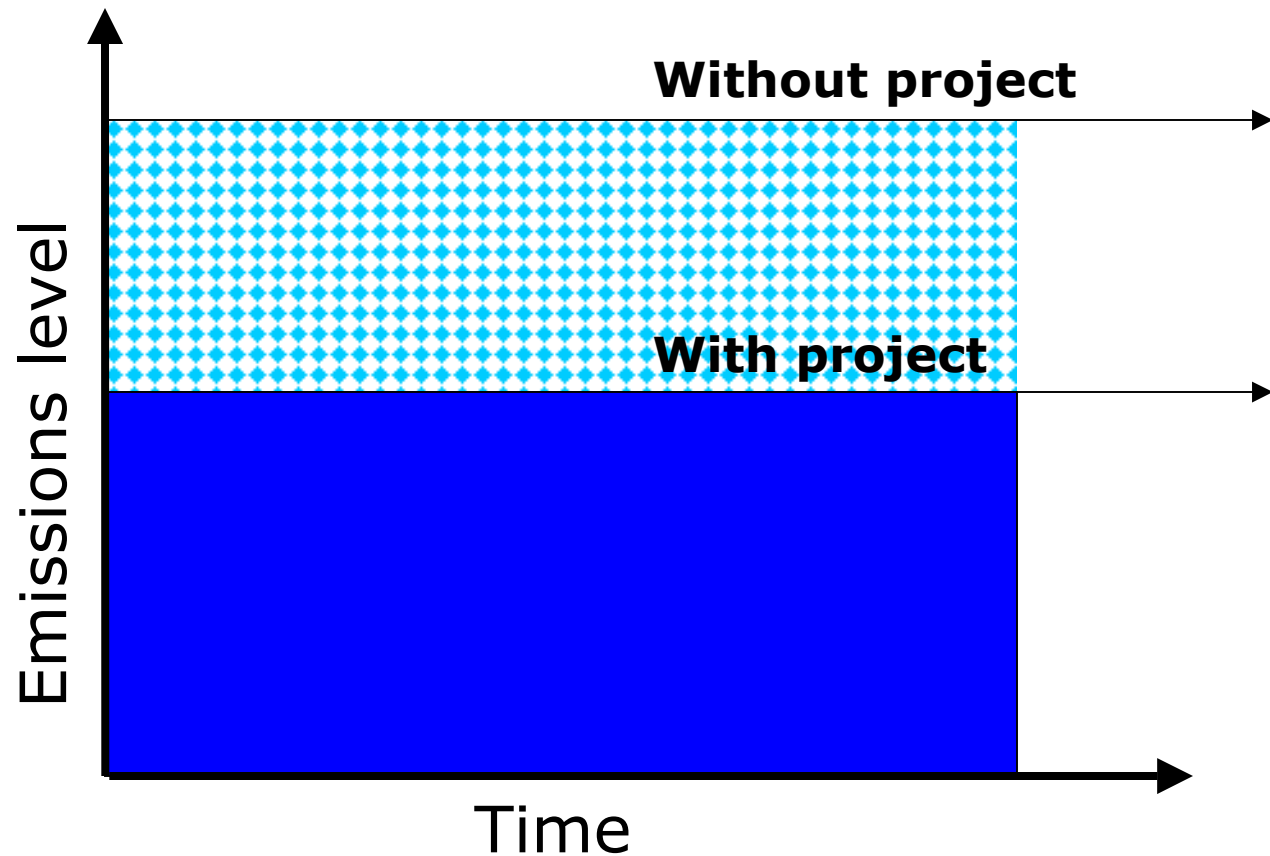
= **Emission allowances to sell**



= **Emission units/credits needed**



How project based offset mechanisms work



 = Saleable/tradable units to be earned



Benefits of market mechanisms – CDM/JI

- Important tools that stimulate needed investment.
- Help find low-cost opportunities for emission reduction.
- Provide an incentive for action.
- Give countries, companies some flexibility in how they meet emission targets.



United Nations Framework Convention on Climate Change





United Nations Framework Convention on Climate Change





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CDM regulatory process

Regulated mechanism overseen by **Executive Board** assisted by
Panels
Working groups
Registration and issuance teams
UNFCCC secretariat

Emission reductions:
Real
Measurable
Verifiable
Additional

6. CER issuance: EB

5. Verification: DOE

4. Monitoring: PP

3. Registration: EB

2. Validation: DOE

1. Project design: PP

DOE = designated operational entity
(third-party certifier)
PP= project participant



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1251 registered projects in

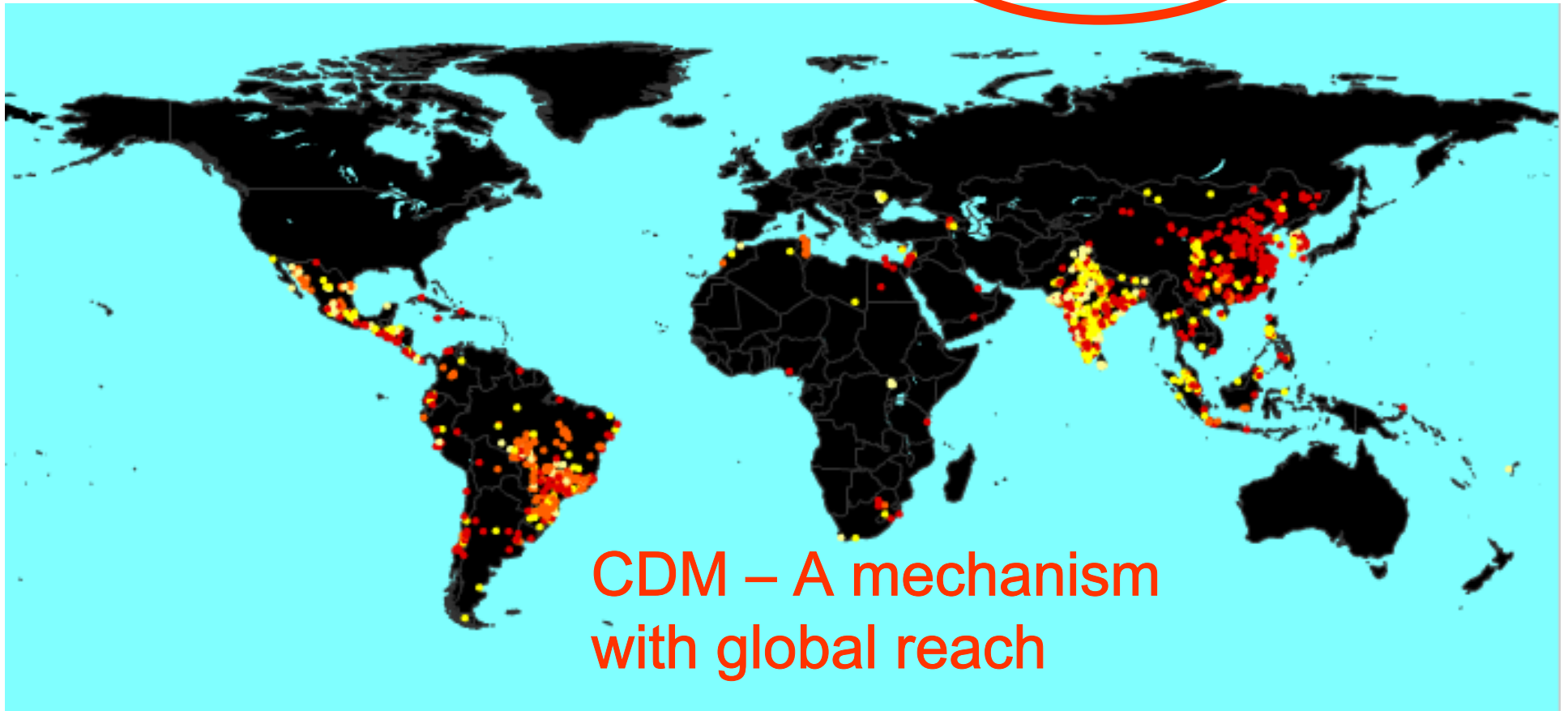
52 countries

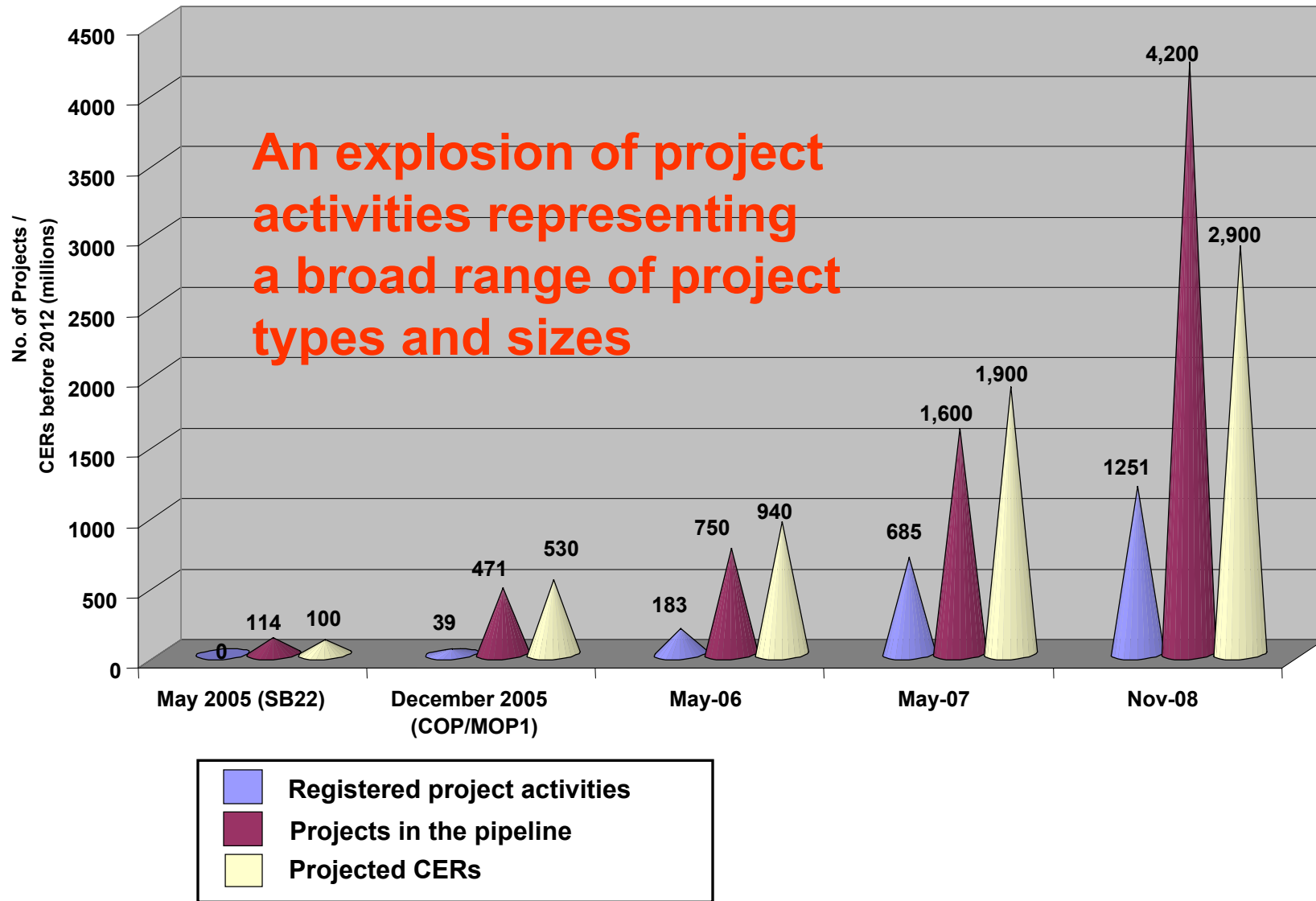
Plus **>3000** more projects in pipeline

226.9 million CERs issued

>2.9 billion certified
emission reductions
expected to the end
of 2012

Status: 6 Dec 2008





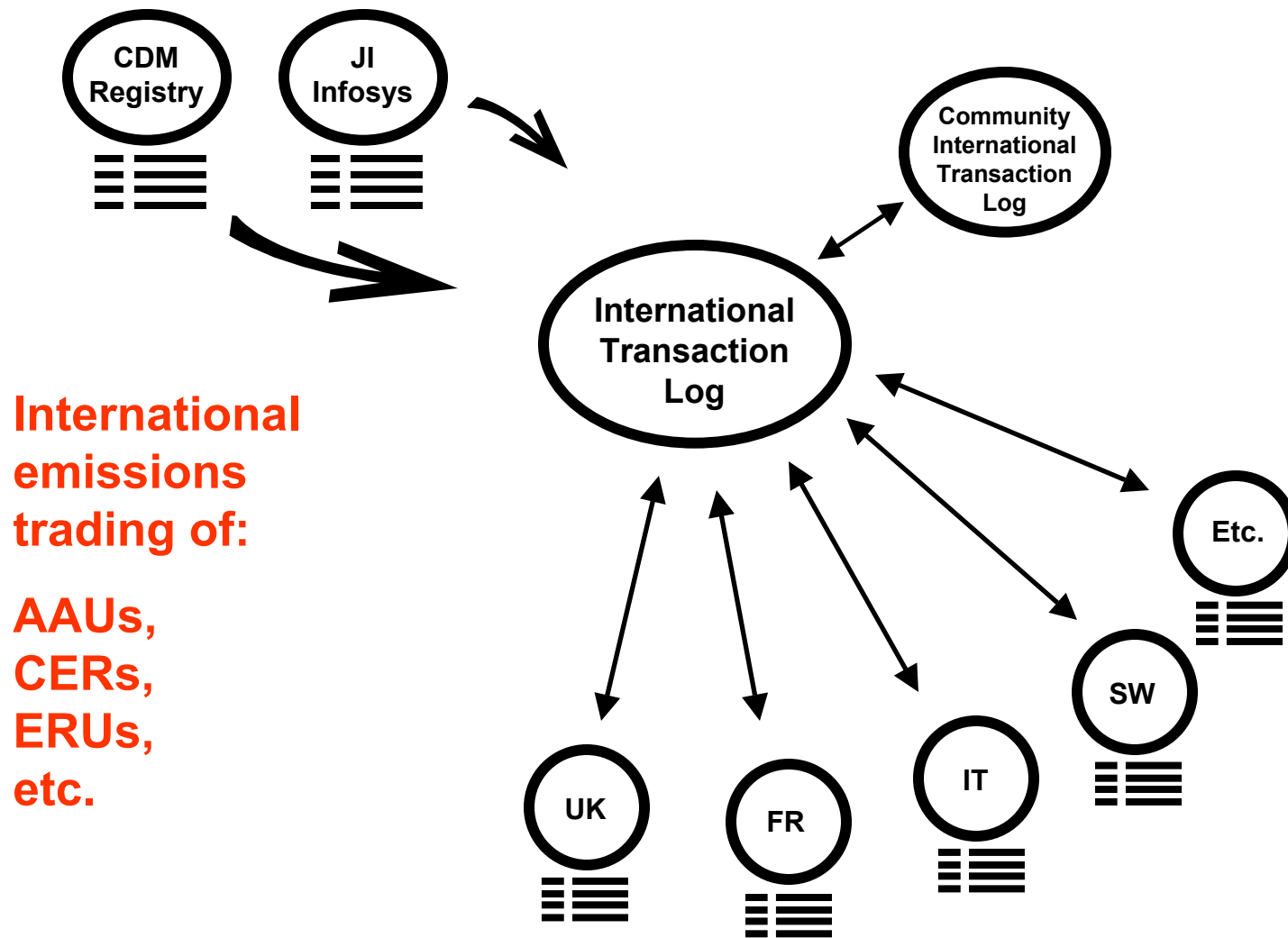


- International committee that supervises JI has just verified first emission reductions under the mechanism.
- The reductions were created by project in Ukraine that makes use of coal mine methane to generate electricity, heat and vehicle fuel.
- Units issued amount to 330,000 tonnes of CO2 equivalent for six-month reporting period.

(Joint implementation now has 5 projects registered in 3 countries.)



Essential market architecture in place





United Nations Framework Convention on Climate Change



The New York Times



platts www.platts.com

Emissions Daily

Friday, December 5, 2008

EU '90% of the way' to agreement on climate package: Borloo

London — Environment ministers from the EU's 27 member states have still to reach an agreement on the measures that would deliver their new climate package, French Environment Minister Jean-Louis Borloo told journalists Thursday at a press briefing during a European Environment Council meeting.

The objectives of the climate action and renewable energy package, proposed by the European Commission in January 2008, are to cut overall energy consumption by 20% by 2020, boost renewable energy to 20% of primary EU energy consumption by the same date, and cut greenhouse gas emissions by 20% on 1990 levels — 30% if there is an international agreement — by 2020.

The council must reach a common position on which it can then agree with the European Parliament and the European Commission before the measures become law. The Energy Council next meets on December 9.

"We're 90% of the way there. We've agreed on the goal, but not yet on how to get there," said Borloo, who currently chairs the EC Environment Council under the current French presidency of the EU, explaining that representatives from the presidency were in negotiations with representatives from the EP until late in the day.

EU Allowances fell Thursday, gapping lower at the open and settling slightly lower in late-afternoon trading as the market showed little appetite to do business. December 2009 EUAs traded at around €15.70-15.80 at the start of the session, down from €16.00-16.20 on Wednesday.

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EUAs fall on lack of interest, weaker oil, power

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Delivery	Assessment	Midpoint	Change
Phase 2			
EUA 2010 Dec	15,430-15,470	15,450	-0,450
EUA 2010 Dec	16,080-16,120	16,100	-0,500
EUA 2011 Dec	16,730-16,770	16,750	-0,500
EUA 2012 Dec	17,380-17,420	17,400	-0,510
Monthly Rolling Average			
EUA 2009 Dec	Dec-08	15,800	-0,175

Delivery	Assessment	Midpoint	Change
CER 2009 Dec	13,530-13,570	13,550	-0,450
CER 2010 Dec	13,580-13,620	13,600	-0,450
CER 2011 Dec	13,730-13,770	13,750	-0,500
CER 2012 Dec	14,000-14,040	14,020	-0,560
Monthly Rolling Average			
CER 2009 Dec	Dec-08	13,807	-0,108

Delivery	Spread	Change
2009 Dec	1,870	0,000

CCFE December 2009 RGGI futures contract

(\$/allowance)

Source: CCFE

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EU ETS: European carbon prices slumped on Friday after oil crashed below \$40/bbl.

UN chief defends CDM after US Congress report: The UN's climate chief defended the CDM after a Congress watchdog questioned carbon offsets.

UN mulls full time CDM board, right of appeal: A review of the Kyoto protocol to be finished next week is likely to mean big changes for the CDM.

NEW Free Publication: Carbon Market Australia-New Zealand 5 December

Prices: Platts Carbon EBA OTC assessment (EUR/ton) €13.52 -1.68

Methodology: Historic prices, Exchange prices, Carbon Market Daily


Research: Carbon Market Analyst, The Future of the CDM Supply



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Project Search

Search Criteria [Simple Search](#)

Title:	<input type="text"/>
Sectoral Scopes:	Find results that are in any of the selected: Energy industries (renewable - / non-renewable sources) (1) Energy distribution (2) Energy demand (3) Manufacturing industries (4) Chemical industries (5)
Scale:	All
Methodologies:	Find results that use any of the selected: AM0001 AM0002 AM0003 AM0004 AM0005
Host Country:	- no selection -
Annex 1 Countries:	France Germany Ireland Italy
Status:	All
Registration date	from: <input type="text"/> to: <input type="text"/> <small>* format YYYY/MM/DD, searches only registered projects if specified!</small>
Amount of Reductions from:	<input type="text"/> to: <input type="text"/>
Reference number:	<input type="text"/>
Sort by:	Registration Date descending: <input type="checkbox"/>
<input type="button" value="Search"/> <input type="button" value="Reset Query"/>	

Total Projects found: 19

Total Projects found: 19

Registered	Title	Host Parties	Other Parties	Methodology *	Reductions **	Ref
23 Oct 05	DSL Biomass based Power Project at Pagara	India	Germany	AMS-ID ver. 5	17424	0095
11 Dec 05	3.5 MW Rice Husk based Cogeneration Project at Nahar Spinning Mills Ltd.	India	Germany	AMS-I.C. ver. 6	22267	0117
16 Dec 05	3.5 MW Rice Husk based Cogeneration Project at Oswal Woolen Mills Ltd.	India	Germany	AMS-I.C. ver. 6	22267	0118
24 Dec 05	GHG emission reduction by thermal oxidation of HFC 23 at refrigerant (HCFC-22) manufacturing facility of SRF Ltd	India	Italy France Netherlands Germany United Kingdom of Great Britain and Northern Ireland	AM0001 ver. 3	3833566	0115
06 Feb 06	CDM SOLAR COOKER PROJECT Aceh 1	Indonesia	Germany	AMS-I.C. ver. 6	3500	0218
11 Feb 06	CAMIL Itaquí Biomass Electricity Generation Project	Brazil	Netherlands Germany	AMS-ID ver. 7 AMS-III.E. ver. 7	57341	0231
20 Feb 06	Bandeirantes Landfill Gas to Energy Project (BLFGE)	Brazil	Germany	ACM0001 ver. 2	1070649	0164
29 May 06	Emission reduction through partial substitution of fossil fuel with alternative fuels like agricultural by-products, tyres and municipal solid waste (MSW) in the manufacturing of portland cement at Grasim Industries Limited-Cement division South (GIL-CDS), Tamilnadu, India.	India	Germany	ACM0003 ver. 1	51932	0339
04 Jun 06	KMS Power 6 MW Renewable Sources Biomass Power Project	India	Sweden Netherlands Germany	AMS-ID ver. 7	16266	0374
02 Jul 06	São João Landfill Gas to Energy Project (SJ)	Brazil	Germany	ACM0001 ver. 2	816940	0373
14 Aug 06	Generation of electricity from 2.5 MW capacity wind mills by Gujarat JHM Hotels Pvt. Ltd at Soda Mada Rajasthan	India	Germany	AMS-ID ver. 8	3453	0481
22 Aug 06	Solar steam for cooking and other applications	India	Germany	AMS-I.C. ver. 7	562	0414
24 Sep 06	Generation of electricity from 4 MW capacity wind mills by Sun-n-Sand Hotels Pvt. Ltd. at Supa, Maharashtra	India	Germany	AMS-ID ver. 8	7733	0559
29 Sep 06	PetroSA Biogas to Energy Project	South Africa	Germany	AMS-ID ver. 9	29933	0446
07 Oct 06	Catalytic N2O destruction project in the tail gas of the Nitric Acid Plant of Abu Qir Fertilizer Co.	Egypt	Austria Germany	AM0028 ver. 1	1065881	0490
22 Jan 07	Catalytic N2O destruction project in the tail gas of three Nitric Acid Plants at Hu-Chems Fine Chemical Corp.	Republic of Korea	Germany	AM0028 ver. 1	1268310	0765
Requesting						



Your location: CDM-Home > Project Activities > DB > CDM SOLAR COOKER PROJECT Aceh 1

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Project 0218 : CDM SOLAR COOKER PROJECT Aceh 1

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Project title	CDM SOLAR COOKER PROJECT Aceh 1 - project design document (266 KB) - registration request form (109 KB)
Host Parties	Indonesia approval (303 KB) authorization (303 KB) Authorized Participants: PT Petromat Agrotech
Other Parties Involved	Germany approval (3324 KB) authorization (3324 KB) Authorized Participants: Klimaschutz e.V.
Activity Category(ies)	1
Activity Scale	SMALL
Methodologies Used	AMS-I.C. ver. 6 - Thermal energy for the user
Amount of Reductions	3,500 metric tonnes CO2 equivalent per annum
Fee level	USD 5000
Validation Report	Explanation of taking due account of comments (13 KB) List of documents (15 KB) List of interviewed persons (25 KB) Modalities of communication (485 KB) <hr/> Other documents (descriptions provided by the DOE) Validation Report (204 KB) Confirmation of Validation (22 KB) PDD (GSP version) (716 KB) <hr/> Public availability information 23. Dec. 2005 www.netinform.net Compilation of all comments received (13 KB)
Registration Date	06 Feb 06
Crediting Period	01 Jan 06 - 31 Dec 11 (Renewable)
Requests for Issuance and related documentation	

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**CLEAN DEVELOPMENT MECHANISM
SIMPLIFIED PROJECT DESIGN DOCUMENT
FOR SMALL SCALE PROJECT ACTIVITIES (SSC-PDD)
VERSION 01 (21 JANUARY, 2003)**

**CDM Project Design Document (PDD):
Final PDD, 10. Oct. 2005**

**CDM SOLAR COOKER PROJECT Aceh 1
INDONESIA**

CONTENTS

- A. General description of project activity
- B. Baseline methodology
- C. Duration of the project activity / Crediting period
- D. Monitoring methodology and plan
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- G. Stakeholders comments

Annexes

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In accordance with the modalities and procedures for a CDM [Decision 3/CMP.1](#) (735 KB):

"29. Parties participating in the CDM shall designate a national authority for the CDM."

Parties are invited to send information on the designation of their national authority for the CDM to the [secretariat](#).

The CDM Executive Board in its eighth meeting, with regard to validation requirements to be checked by a designated operational entity, clarified that before entry into force of the Kyoto Protocol, all Parties to the Convention may participate in CDM project activities. In accordance with provisions of paragraphs 37 (a) and 40 (a) of the CDM modalities and procedures, the registration of a proposed CDM project activity can, however, only take place once approval letters are obtained from Parties to the Convention that have ratified the Kyoto Protocol. Regarding approval by Parties and authorization of private and public entities please refer to the glossary of terms contained in [Guidelines for completing CDM-PDD](#).

In order to facilitate the exchange of information between the CDM designated national authorities, the secretariat maintains a dedicated e-mail listserve. A DNA interested to subscribe to the list should send an e-mail to cdm-info@unfccc.int.

The table below provides the name and contact information for designated national authorities (DNA) for the CDM

Country	Organization's address / Contact person	A/R definition / Project Activities, as applicable
Albania	Climate Change Unit, Ministry of Environment Rruga "Duresisif" No 27 Tirana, ALBANIA ^ Ermira Fida (mirafida@icc-al.org) Manager, Climate Change Unit Phone: (355) 422 5101, (355-68) 202 9754 (Mobile) Fax: (355) 422 5101	<ul style="list-style-type: none"> Minimum values for forest (A/R projects)
Algeria	Développement durable et des Affaires scientifiques et culturelles 4, Route des Quatre Canons 16000 Alger ^ M. Lazhar Soualem (soualem_lazhar@yahoo.fr) Directeur à la Direction Générale des Relations Multilatérales, Ministère des Affaires Etrangères Fax: (213-21)50 41 60	
	Environment Division, Ministry of Tourism and Environment	

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List of DOEs

Designated Operational Entities

The Executive Board, in accordance with [paragraph 20 of the CDM modalities and procedures](#), shall maintain a publicly available list of designated operational entities. The table below provides the list of accredited and provisionally designated operational entities for validation functions. These entities are accredited for the sectoral scopes shown below in the table and qualify to submit requests for project registration in these sectoral scopes.

[List of sectoral scopes \(active version\)](#) (15 KB)

Ref. Number	Entity Name (short name)	Sectoral scopes for validation	Sectoral scopes for verification and certification
E-0001	Japan Quality Assurance Organization (JQA)	1, 2, 3, 4, 5, 6, 7, 10, 11, 12, 13	
E-0002	JACO CDM.,LTD (JACO)	1, 2, 3	1, 2, 3
E-0003	Det Norske Veritas Certification AS (DNV Certification AS)	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 15	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 15
E-0005	TÜV SÜD Industrie Service GmbH (TÜV-SÜD)	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 15
E-0006	Tohmatsu Evaluation and Certification Organization Co., Ltd. (TECO)	1, 2, 3	
E-0007	Japan Consulting Institute (JCI)	1, 2, 13	
E-0009	Bureau Veritas Certification Holding S.A. (BVC Holding S.A.)	1, 2, 3	1, 2, 3
E-0010	SGS United Kingdom Ltd. (SGS)	1, 2, 3, 4, 5, 6, 7, 10, 11, 12, 13, 15	1, 2, 3, 4, 5, 6, 7, 10, 11, 12, 13, 15
E-0011	The Korea Energy Management Corporation (KEMCO)	1	
E-0013	TÜV Rheinland Japan Ltd. (TÜV Rheinland)	1, 2, 3, 13	
E-0014	KPMG Sustainability B.V. (KPMG)	1, 2, 3, 13	
E-0018	British Standards Institution (BSI)	1, 2, 3	
E-0021	Spanish Association for Standardisation and Certification (AENOR)	1, 2, 3	1, 2, 3
E-0022	TÜV NORD CERT GmbH (RWTUV)	1, 2, 3, 4, 5, 6, 7, 10, 11, 12, 13	1, 2, 3
E-0023	Lloyd's Register Quality Assurance Ltd (LRQA)	1, 2, 3, 4, 5, 6, 7, 10, 11, 12, 13	
E-0024	Colombian Institute for Technical Standards and Certification (ICONTEC)		1, 2, 3
E-0025	Korean Foundation for Quality (KFQ)	1, 2, 3	
E-0029	PricewaterhouseCoopers - South Africa (PwC)	1, 2, 3	

Thank You!

CDM Bazaar

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Information

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