



CURRENT STATE OF THE PROGRAMMATIC CDM

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Kingston, Jamaica, 25 September 2012

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1. What is a PoA?

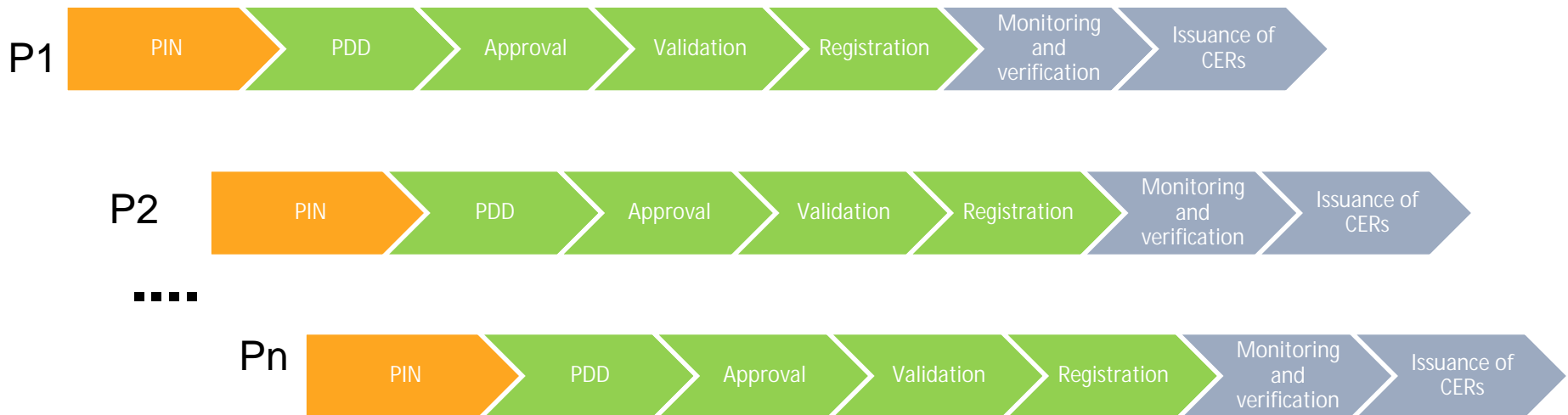
- A CDM PoA is considered “a voluntary coordinated action by a private or public entity which coordinates and implements any policy/measure or stated goal (i.e. incentive schemes and voluntary programs), which leads to GHG emission reductions or increases net GHG removals by sinks that are additional to any that would occur in the absence of the PoA, via an unlimited number of CDM program activities (CPAs)” (Annex 38, EB32).

2. Limitations of traditional CDM

- The reductions occurs in one place, in specific sectors and in a specific countries,
- Promotes projects with high volume of emission reductions,
- The transaction costs linked to the CDM lifecycle varies from 100.000 to 200.000 USD,
- Unequal regional distribution of CDM projects,
- To register a project à a long process (12 – 18 moths) + 12 months for CERs issuance.

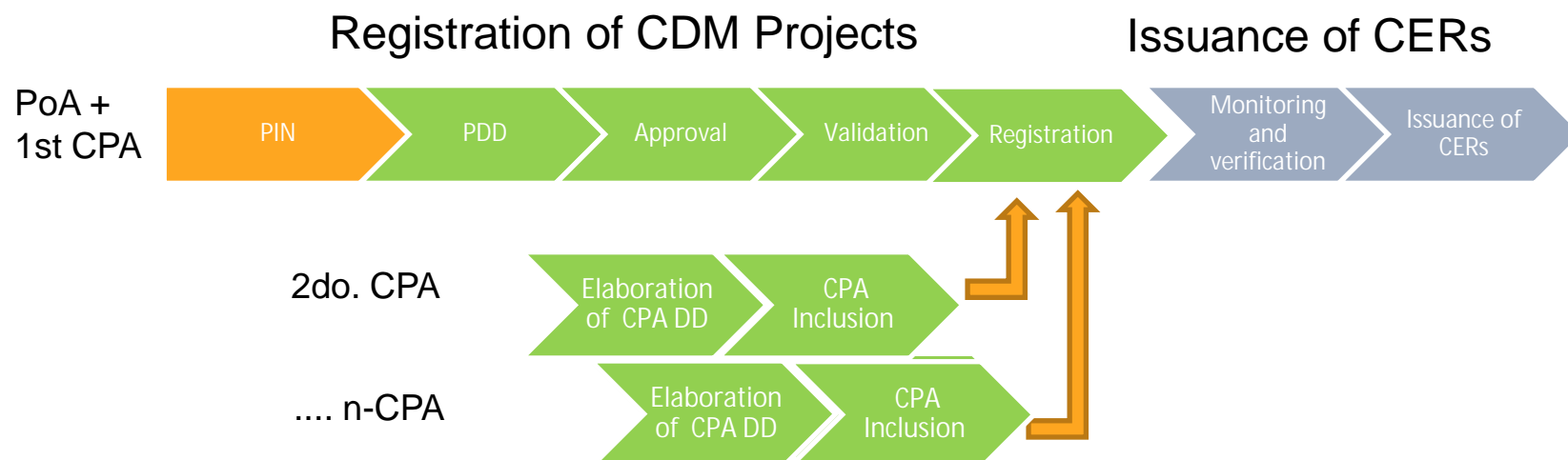
Registro de Proyectos

Emisión de CERs

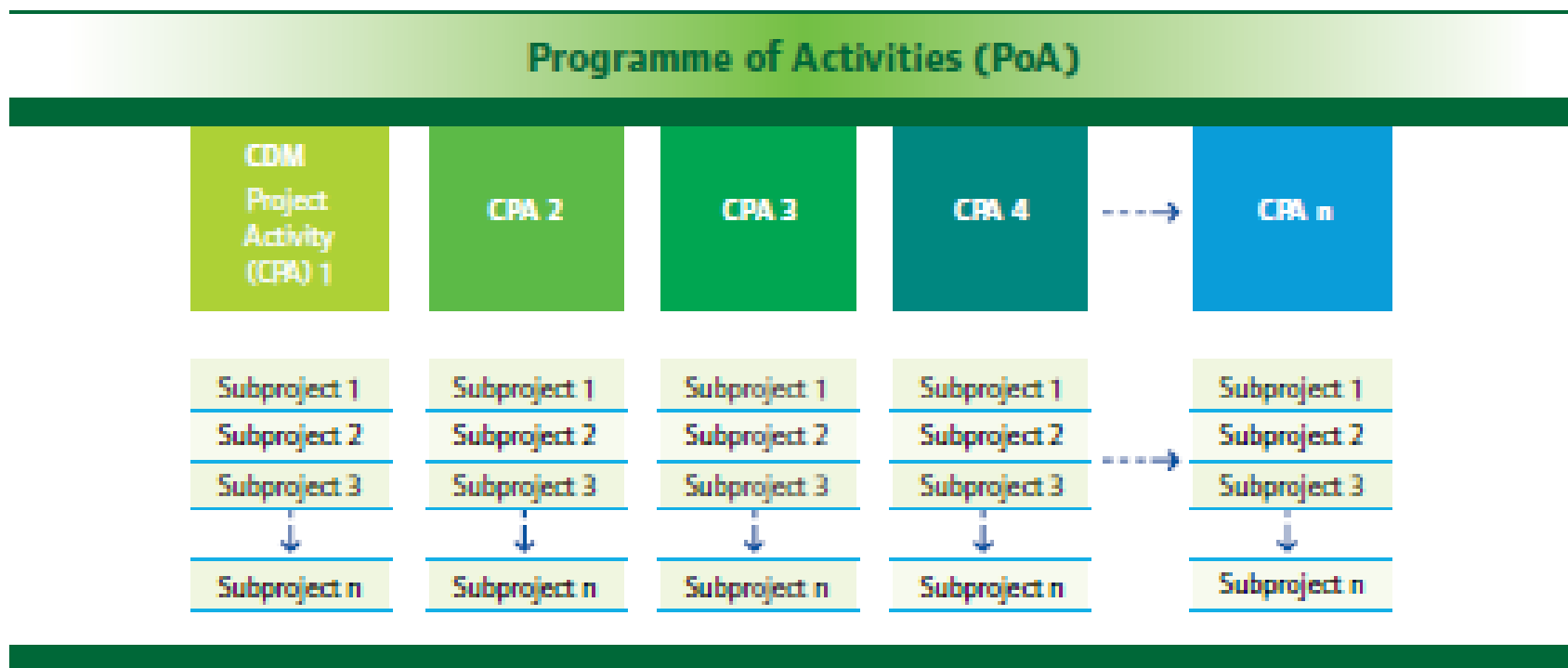


2. Benefits of Programmatic CDM

- A PoA facilitates the implementation of a policy, measure or goal,
- A PoA covers GHG reduction opportunities from the small and micro scale,
- A PoA improves the regional CDM distribution,
- A PoA reduces considerably the CDM transaction costs.



3. Structure of PoA with its CPAs and individual projects



- A PoA represents an umbrella structure that can accommodate an increasing number of discrete GHG reduction activities, but registered as a single project under the CDM.

3. The Programmatic CDM

Managing Entity

Facilitates the implementation of policies, measures or goals
Offers an institutional, financial and methodological platform

Programme of Activities (PoAs)

PoA Duration: máx. 28 years and to 60 years for A/R.



Single measure, single location/ many locations (insulation in buildings or lighting Eff.)

Project Activity which generates the CERs

Single and identifiable with a defined boundary



Several measures, single location (Efficiency programs- hotels)



Several measures, many locations (EE measures programs - houses)

3. The Programmatic CDM

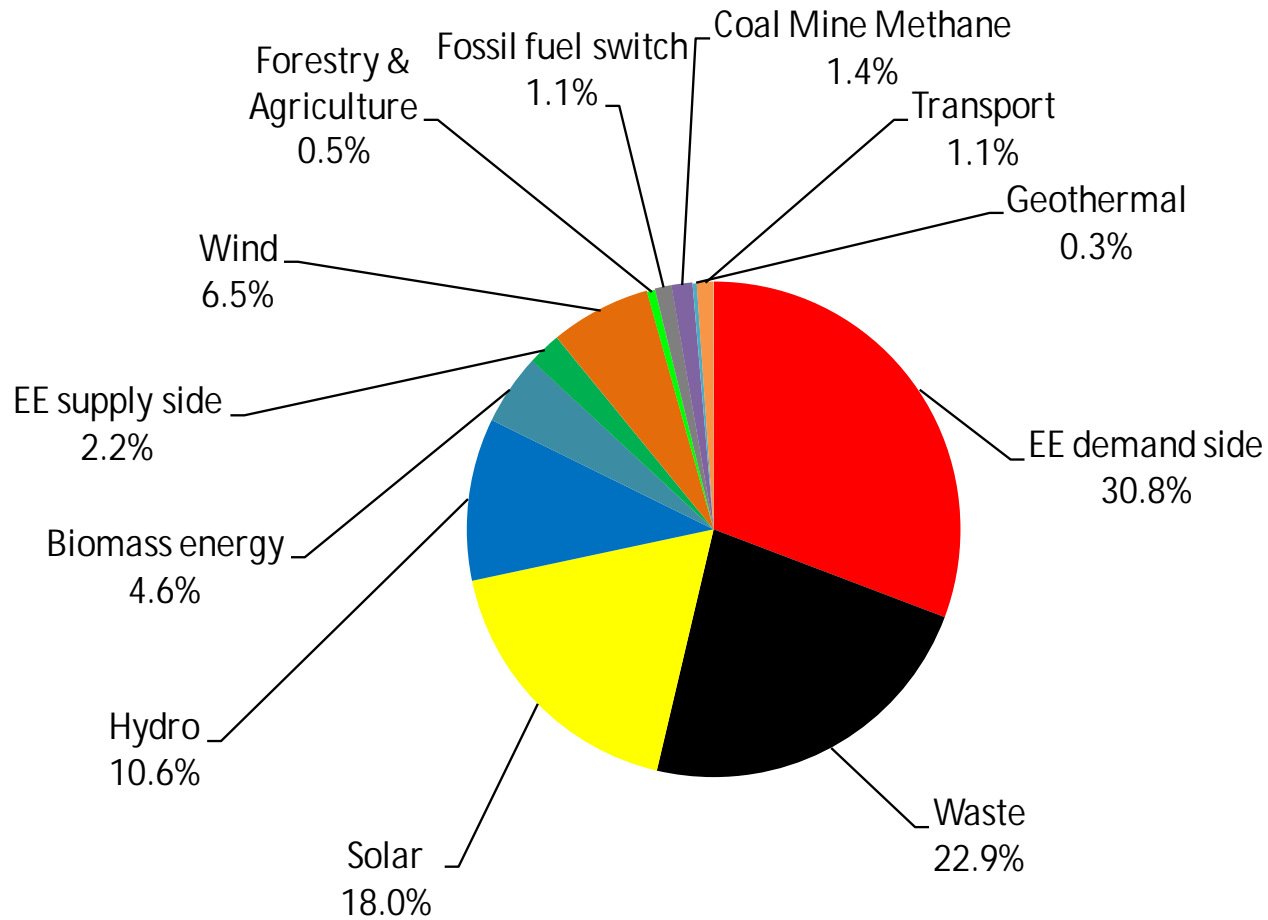
Operating at PoA level

- **Additionality** – at Programme level. The PoA won't be implemented if
 - Lack of capacities are missing to enforce compliance of the policy/measure
 - PoA implementation exceeds the goals required by Law
- **Methodology**
 - Applied at CPA level of the PoA
 - It is allowed the sampling for the verification

4. The CDM PoA Pipeline

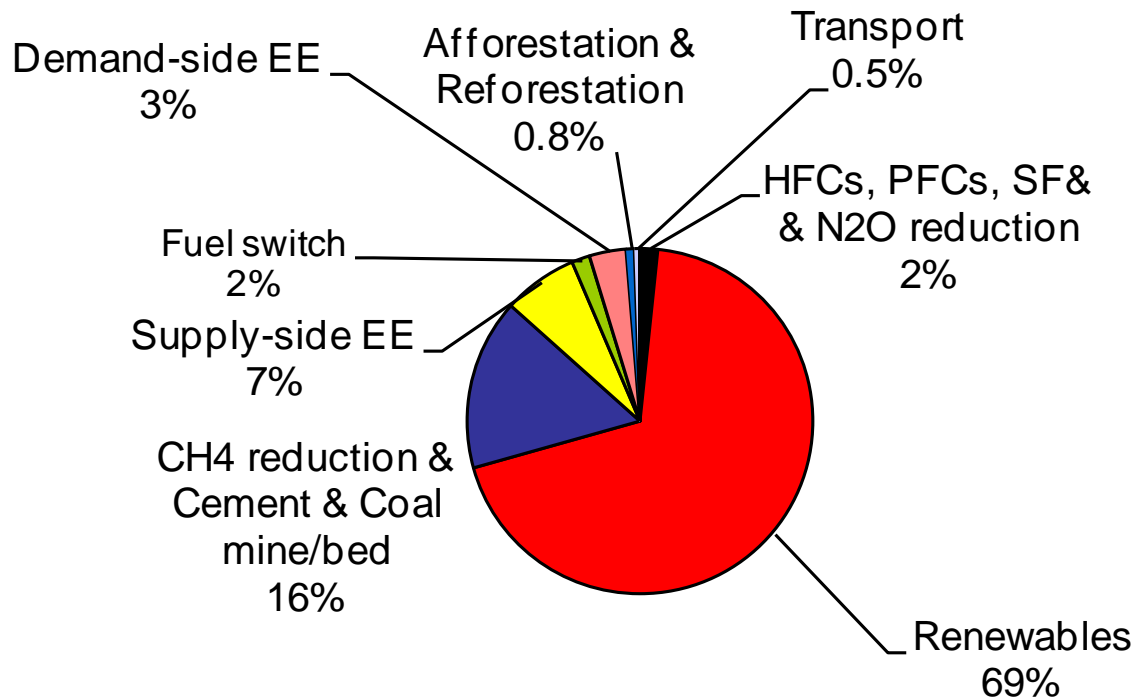
Type	Validation	Registered	Total (Validat +Regist)
EE demand side	104	9	113
Waste	79	5	84
Solar	58	5	66
Hydro	35	4	39
Wind	24		24
Geothermal	1		1
EE supply side	7	1	8
Forestry & Agriculture	2		2
Fossil fuel switch	4		4
Biomass energy	16	1	17
Coal Mine Methane	5		5
Transport	3	1	4
Total PoAs	344	26	370

PoA distribution by type

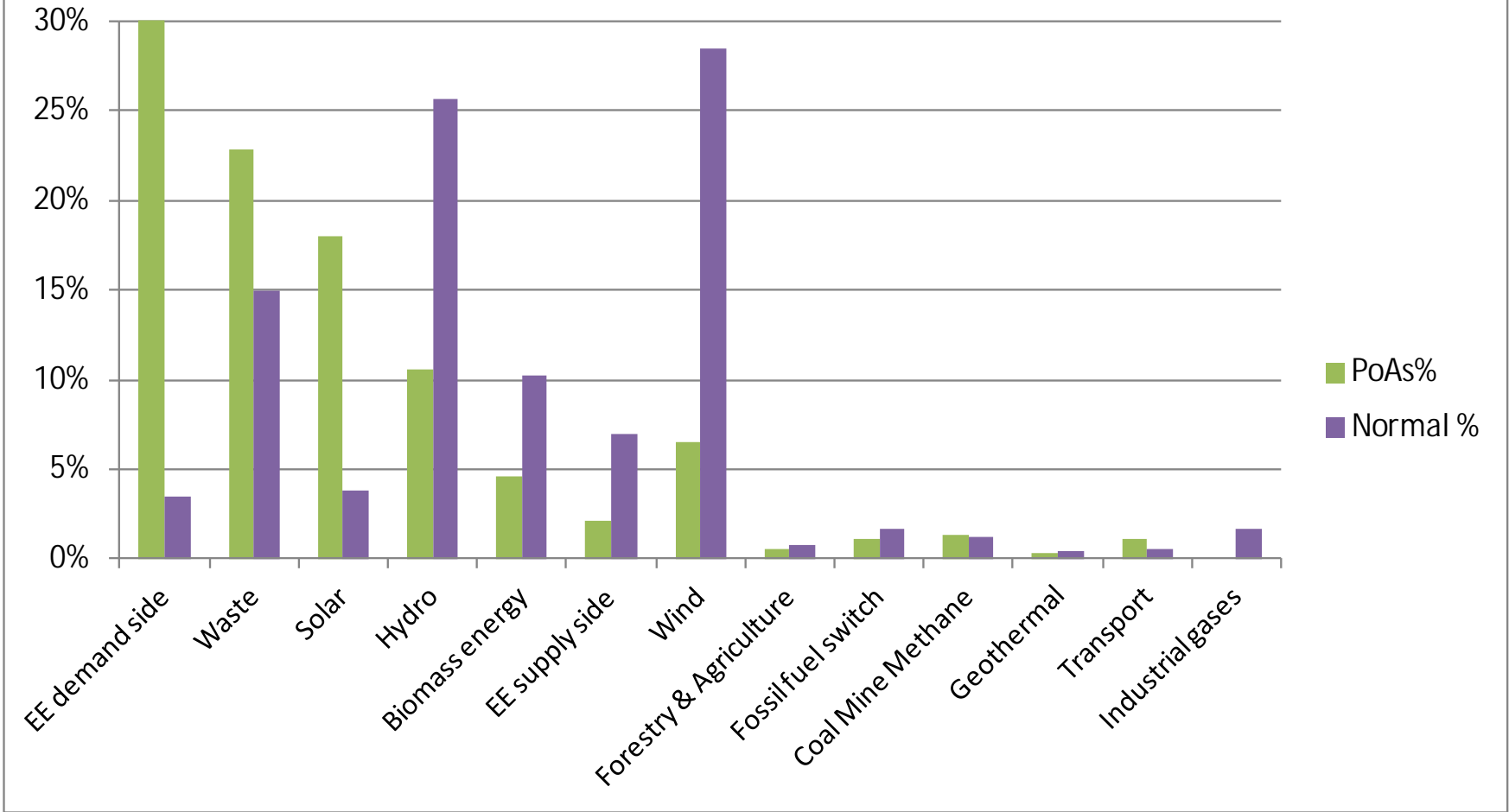


Distribution of CDM projects Normal Scale

Number (%) of CDM projects in each category



Number of PoAs compared to normal CDM

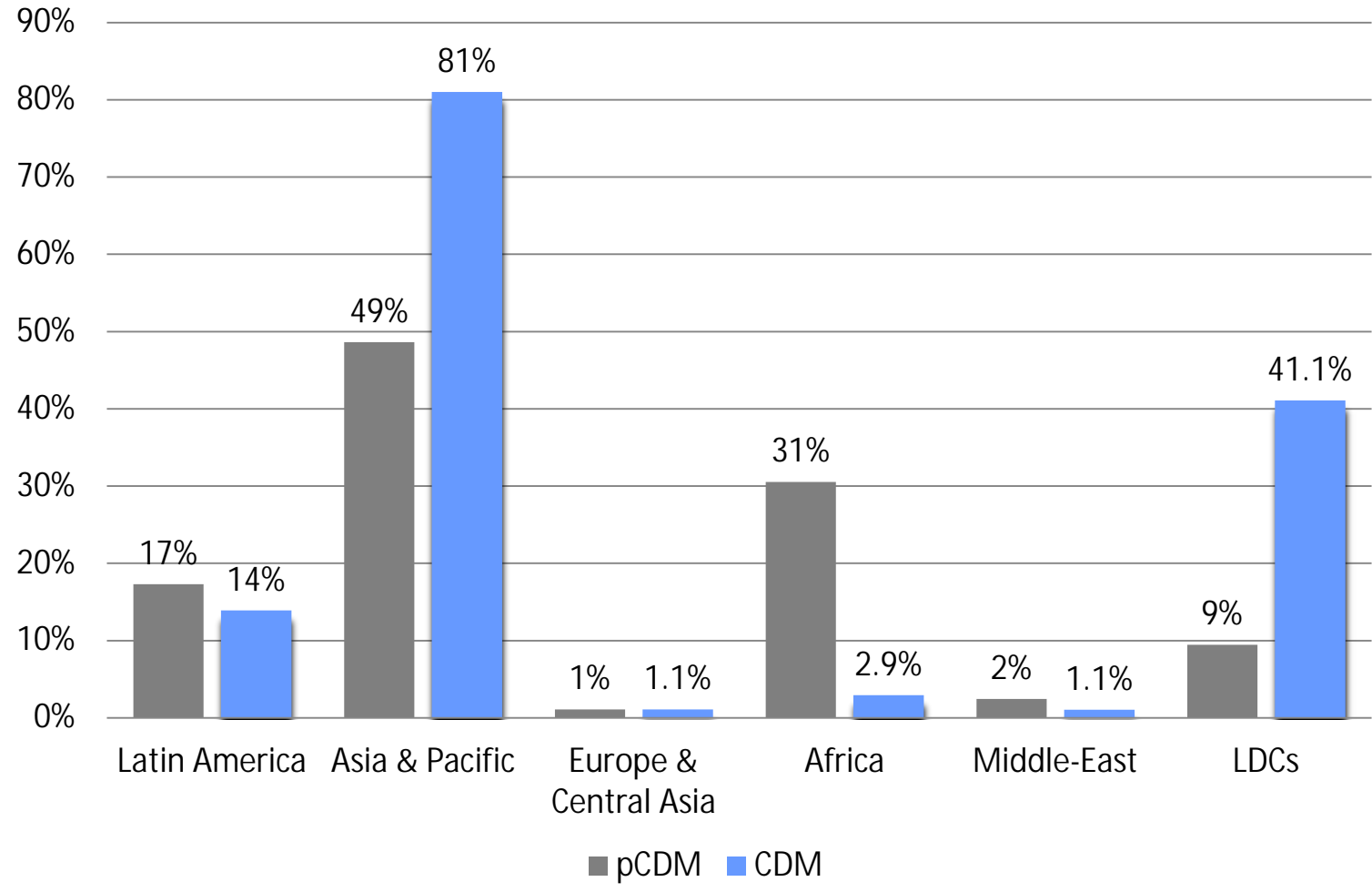


The Programmatic CDM by countries

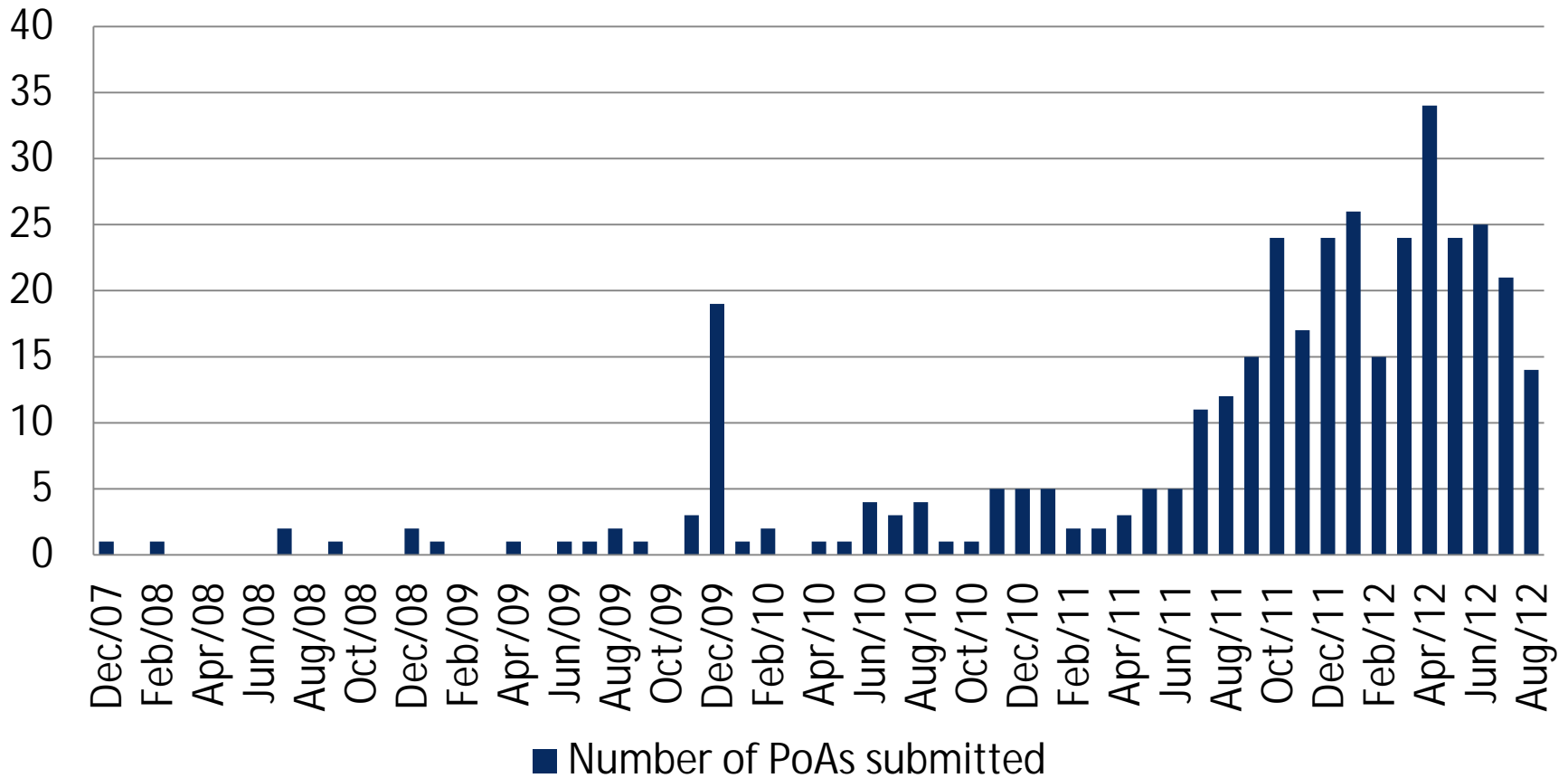
Host country	PoAs
Bangladesh	1 Solar PV, 1 EE households stoves, 1 Households lighting, 1 Methane avoidance
Brasil	3 Methane avoidance, 1 Landfill gas
China	1 Agricultural irrigation, 5 Methane avoidance domestic manure, 1 Methane avoidance manure, 1 Eff. electricity distribution, 4 Eff. lighting, 1 CMM, 1 Geothermal, 1 Micro hydro
Colombia	EE commercial & residential buildigs
Egypt	1 Transport scrapping old vehicles
El Salvador	1 Household stoves
India	2 EE householdes lighting, 1 Biomass briquittes, 1 EE chemicals industry, 1 Eff. electricity distribution, 1 EE service eff. chillers, 1 landfill composting, 1 Solar water heating, 1 solar PV, 1 Methane avoidance, 1 EE lighting in service
Guatamala	1 EE households stoves
Honduras	2 Hydro
Indonesia	1 Methane avoidance palm oil waste, 2 Methane avoidance composting, 1 Hydro run of river,
Kenya	1 EE households stoves
Malaysia	1 Methane avoidance waste water, 1 Biomass energy
Mexico	1 Households lighting, 1 EE households stoves, 1 New households
Nicaragua	1 Reforestation
Nigeria	2 Stoves
Peru	2 Fossil fuel switch, 1 hydro
Philippines	1 Methane avoidance manure, 1 Household lighting, 1 landfill gas, 1 sevice air condition
Rwanda	1 EE households stoves
Senegal	1 Households lighting
Singapore	2 EE service cooling, 1 EE household lighting
South Africa	6 Solar water heating, 1 EE households stoves, 1 EE service
South Korea	1 EE Food industry, 1 EE own generation, 1 EE household lighting, 1 EE service lighting, 1 Solar, 1 Mixed renewable, 1 cogeneration, 1 methane avoidance
Sri Lanka	1 Biomas energy, 1 Landfill compost
Tanzania	1 Solar lamps, Solar PV water disinfection
Thailand	1 Methane avoidance manure, 1 Biomass energy, 1 Gasification of biomass, 1 EE street lighting
Togo	1 EE household stoves
Tunesia	1 Solar water heating
Uganda	1 Landfill composting, 1 EE stoves, 1 water purification
Vietnam	1 Solar water heating, 3 Hydro, 1 Methane avoidance domestic manure, 1 EE industry
Yemen	1 Eff. electricity distribution
Zambia	1 Stoves
Central America	1 Run-of-river Hydro
East Africa	1 Stoves
Total	370

Regions	Validation	Registration Requested	Registered	Total (Valid +Regist)
Latin America and the Caribbean	57	2	5	64
Argentina	2			2
Brazil	10		1	11
Colombia	7			7
Peru	4	1		5
México	7	1	2	10
Chile	14			14
El Salvador	1		1	1
Guatemala	3			3
Haiti	1			1
Honduras	2		1	2
Trinidad & Tobago	1			1
Asia and the Pacific	159	4	17	180
Europa and Central Asia	4		0	0
Africa	105		8	26
Middle East	9			1
Total PoAs	334	6	30	370

% comparison of regional distribution of pCDM and CDM



Number of CDM PoAs starting the public comments period each month





DOE

Abbr.	Name
AENOR	Spanish Association for Standardisation and Certification
BSI	British Standards Institution
BVC Holding SAS	Bureau Veritas Certification Holding SAS
CEC	China Environmental United Certification Center Co., Ltd.
CQC	China Quality Certification Center
Deloitte-TECO	Deloitte Tohmatsu Evaluation and Certification Organization
DNV	Det Norske Veritas Certification AS
EMC	Environmental Management Corp.
ERM CVS	ERM Certification and Verification Services Ltd
Ernst & Young	Ernst & Young Associés (France)
GLC	Germanischer Lloyd Certification GmbH
ICONTEC	Colombian Institute for Technical Standards and Certification
JACO	JACO CDM., LTD
JCI	Japan Consulting Institute
JMA	Japan Management Association
JQA	Japan Quality Assurance Organization
KEMCO	The Korea Energy Management Corporation
KFQ	Korean Foundation for Quality
KPMG	KPMG Sustainability B.V.
KSA	Korean Standards Association
LRQA	Lloyd's Register Quality Assurance Ltd
PwC	PricewaterhouseCoopers - South Africa
RINA	RINA S.p.A
SGS	SGS United Kingdom Ltd.
SIRIM	SIRIM QAS INTERNATIONAL SDN.BHD
SQS	Swiss Association for Quality and Management Systems
TÜV NORD	TÜV NORD CERT GmbH
TÜV Rheinland	TÜV Rheinland Japan Ltd.



Thanks for your attention

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<http://cd4cdm.org/>

<http://cdmpipeline.org/>

www.uneprisoe.org