

Monitoring and Validation processes of the programmatic CDM

Regional Workshop of Capacity Building and Lessons Learned of
development of CDM Programme of Activities (PoA) and NAMAs

Kingston, 25-27 September 2012

SUMMARY

- **PRESENTATION OF AENOR**
- **PoA EXPERIENCE**
- **LESSONS LEARNED ON PoA VALIDATION**
- **PoA STANDARD EB 65**
- **KEY ELEMENTS FOR PoA VERIFICATION**

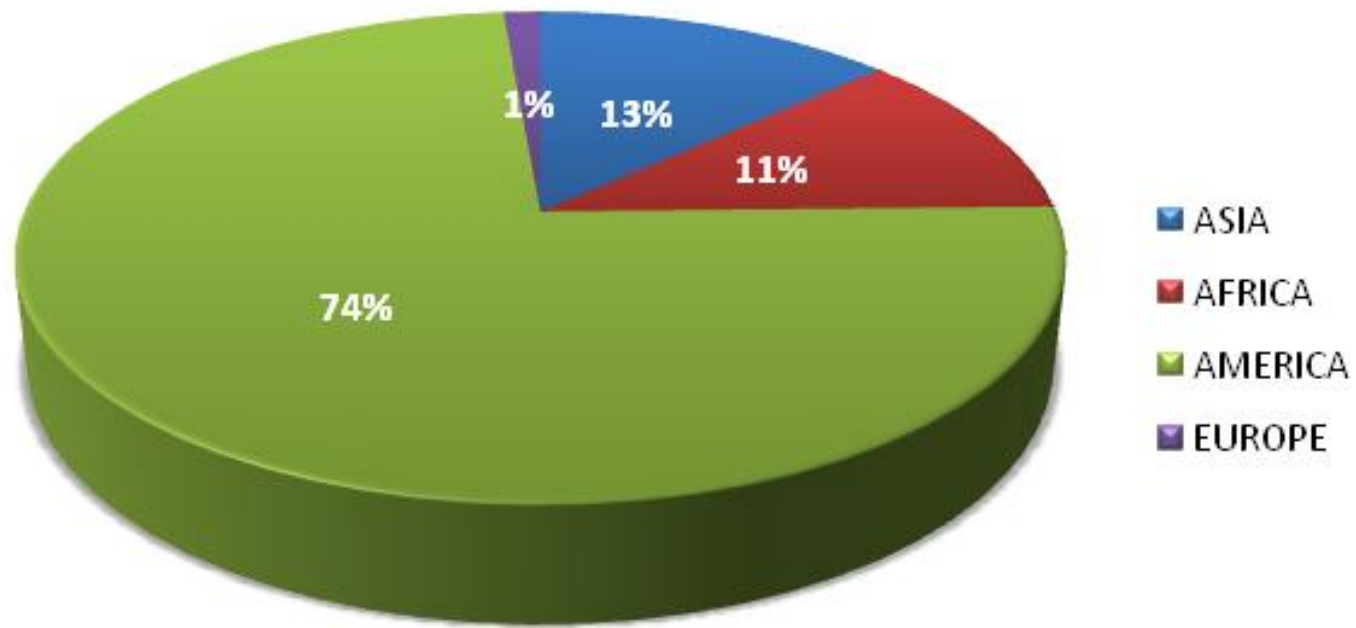
PRESENTATION OF AENOR

- **AENOR** = ASOCIACIÓN ESPAÑOLA DE NORMALIZACIÓN Y CERTIFICACIÓN (SPANISH ASSOCIATION FOR STANDARDIZATION AND CERTIFICATION)
- **AENOR**: Spain + 12 branch offices in Europe, Africa and America
- Non profitable association
- Standardization body of Spain + certification company



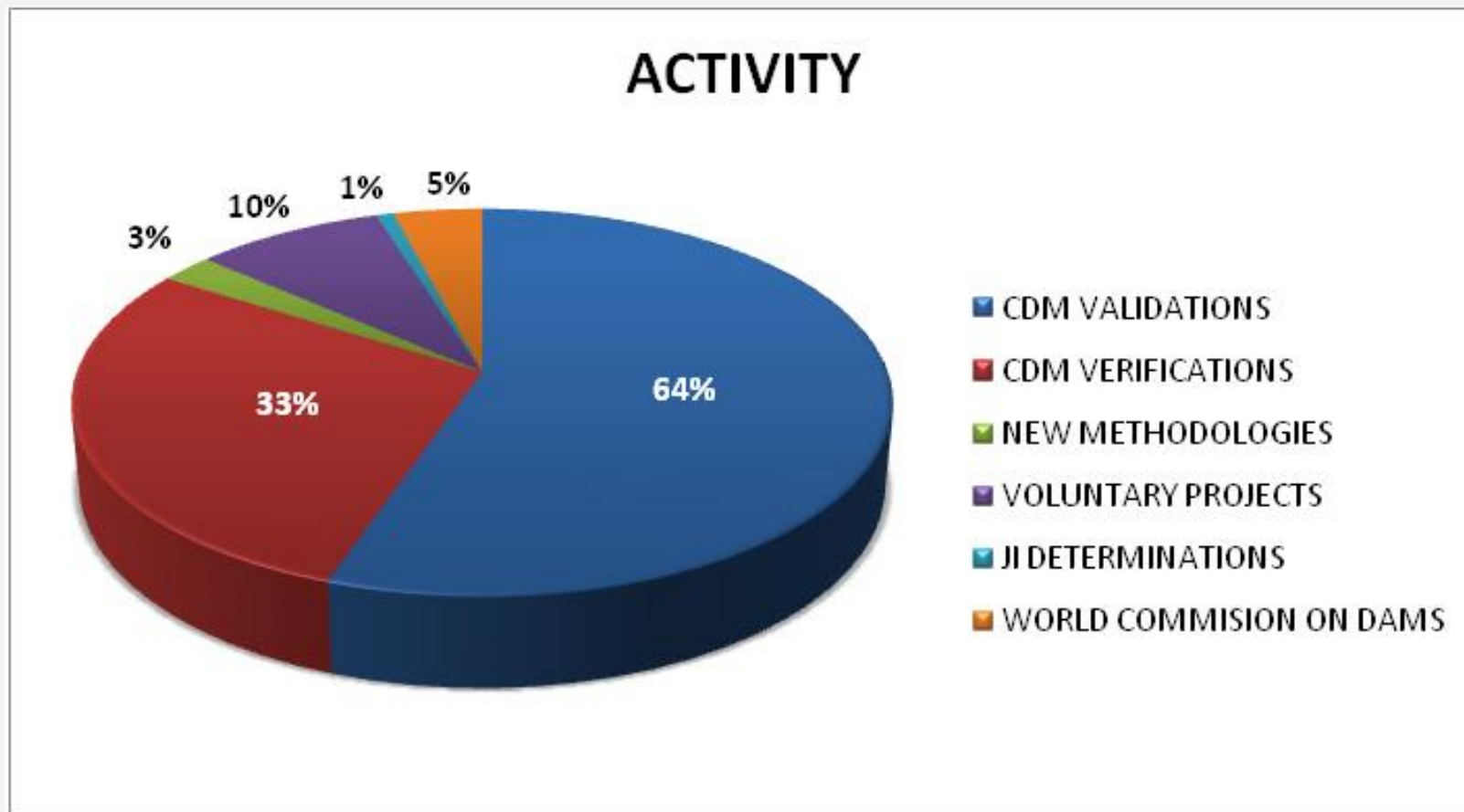
ACTIVITY OF AENOR AS DOE

GEOGRAPHICAL DISTRIBUTION

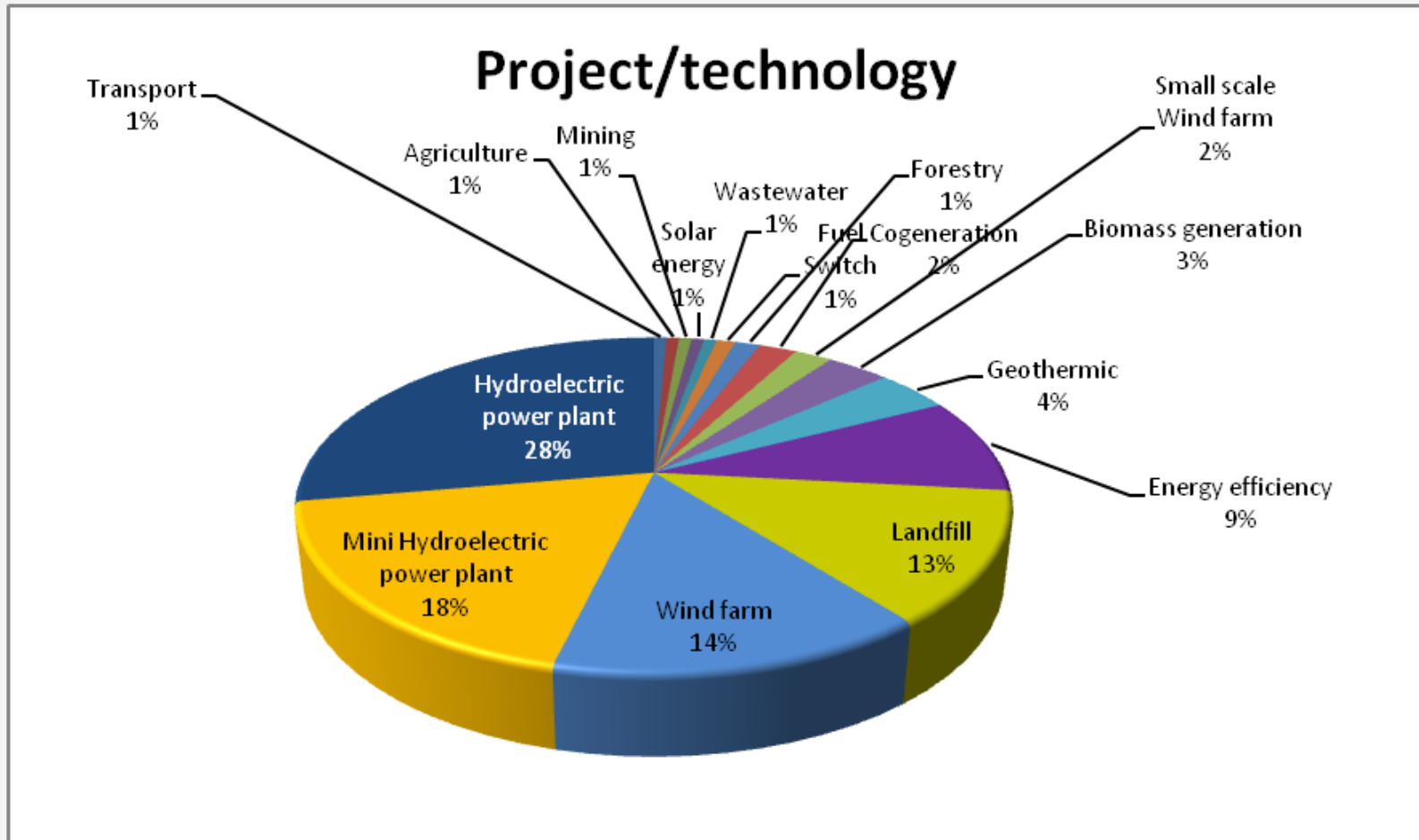


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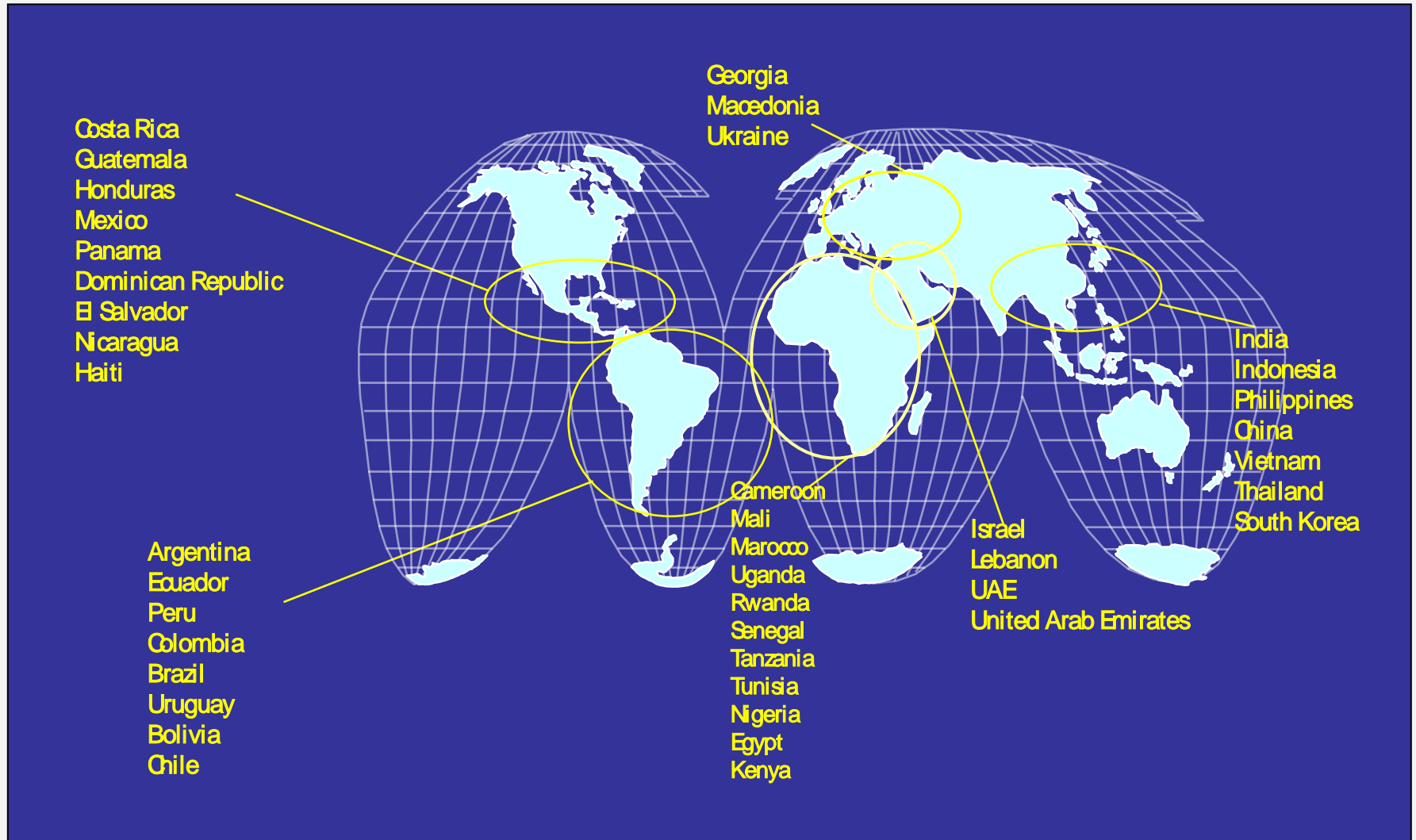
ACTIVITY OF AENOR AS DOE



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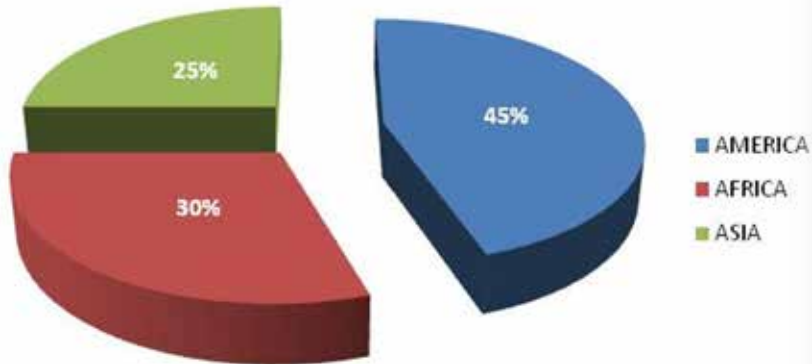
- **Validation of 20 PoAs**

- 3 registered: waste compost programme (Uganda); Turbococinas (El Salvador); Small hydropower programme in Mexico
- 7 PoA requesting registration
- 10 validation on going
- Sectoral scopes: 1; 3; 13; 15.

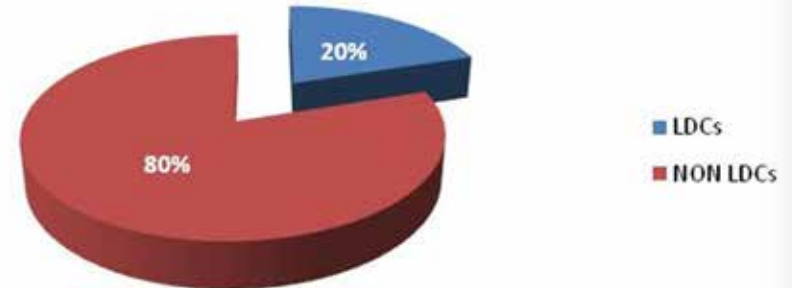


PoA EXPERIENCE

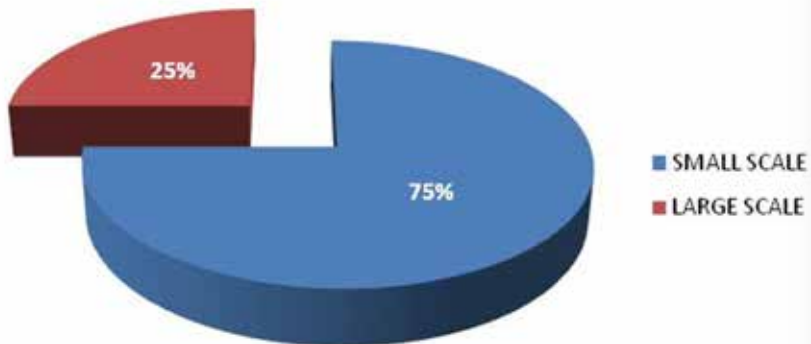
GEOGRAPHICAL DISTRIBUTION



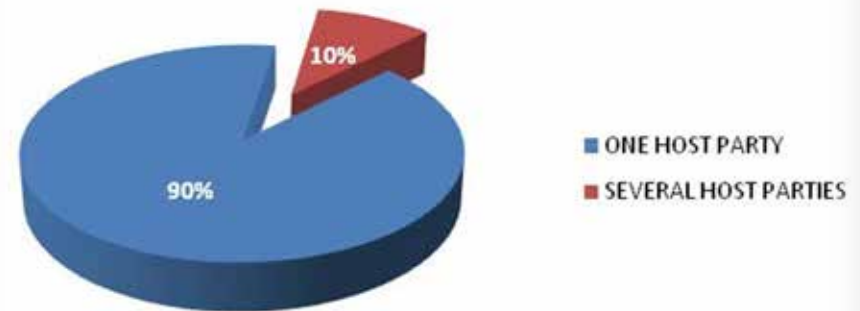
LDCs vs NON LDCs



PoA SCALE



MULTICOUNTRY



PROJECT	METH	COUNTRY	STATUS
Uganda Municipal Waste Compost Programme	AMS-III.F.	Uganda	Registered
“Turbococinas”, rural cooking stove substitution program in El Salvador	AMS-II.G	El Salvador	Registered
Promotion of Energy-Efficient lighting using Compact Fluorescent Light Bulbs in rural areas in Senegal	AMS-II.C	Senegal	Registration requested
Tanzania Renewable energy Programme	AMS-I.D.	Tanzania	Ongoing
Smgas Biogas Programme of Activities	AMS-I.E AMS-III.R AMS-I.I.	Kenya	Ongoing
Biogas Programme Nicaragua (PBN)	AMS-I.E AMS-III.R	Nicaragua	Registration requested
Promotion of POME and EFB Co-Composting in Colombia and Ecuador	AMD-III.F	Colombia Ecuador	Ongoing
Replacement of traditional charcoal stoves with efficient EcoRecho stoves in Haiti	AMS-II.G	Haiti	Ongoing
Dubai Solar Farm Programme of Activities	ACM0002	United Arab Emirates	Ongoing

PROJECT	METH	COUNTRY	STATUS
Inti Renewable Energy Program of Activities	ACM0002	Peru	Registration requested
Small hydropower programme in Mexico	AMS-I.D.	Mexico	Registered
KTDA Small Hydro Programme of Activities	AMS-I.D.	Kenya	Registration requested
Thailand small scale biomass power generation	AMS-I.D.	Thailand	Ongoing
Thailand energy efficiency improvement for street lightings	AMS-II.L	Thailand	Ongoing
Hydro Alliance Programme of Activities	AMS-I.D.	Guatemala Nicaragua Panama El Salvador	Ongoing
Programme of activities to switch from residual fuel oil to LPG in Peru	AMS-III.B.	Peru	Registration requested
Landfills' gas capture, flaring and use program in Morocco	ACM0001	Morocco	Registration requested
Vietnam Renewable Energy Development Program (REDP)	ACM0002	Viet Nam	Registration requested
Ecoener Small Hydro Programme of Activities	AMS-I.D.	Guatemala	Ongoing
UAE Solar Programme of Activities	ACM0002	United Arab Emirates	Ongoing

LESSONS LEARNED ON PoA VALIDATION

- Eligibility criteria for inclusions of CPAs shall be clear and detailed in the PoA-DD

How the criteria will be comply?



A CPA to be included in the proposed PoA shall:

Criteria	Analysis

- Demonstration of additionality shall be based on substantiated facts

- Voluntary measure would not be implemented
- Mandatory regulation would not be enforced
- PoA will lead to a greater level of enforcement of the existing mandatory policy/regulation

- CPA starting date shall be in accordance with CDM requirements

LESSONS LEARNED ON PoA VALIDATION

- CPA additionality and applicability of methodology shall be detailed in the eligibility criteria

Investment analysis
Barrier analysis
Common practice analysis

ACM0002
•Greenfield?
•Connected to the grid?
•Reservoir?

- All eligibility criteria shall be verifiable



LESSONS LEARNED ON PoA VALIDATION

- Monitoring plan shall be detailed and described according to the *Procedure for Registration of a programme of activities as a single CDM project activity*. (EB 55 annex 38) (sampling vs. surveys)

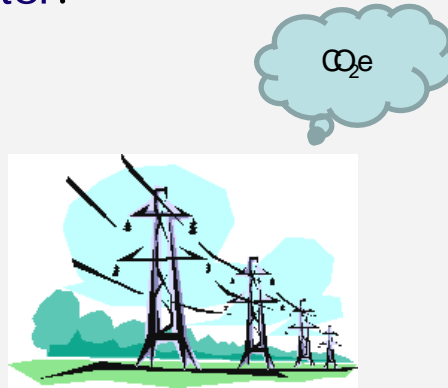


- *Guidelines on the assessment of investment analysis* shall be properly and completely explained.



LESSONS LEARNED ON PoA VALIDATION

- Emission Factor: PoA-DD shall specify if the EF is fixed ex ante or each CPA will use its own Emission Factor.



PoA STANDARD EB 65

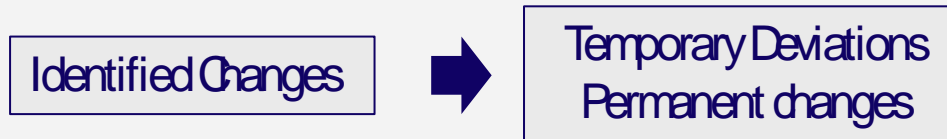
- Eligibility criteria: *" Validating DOE and/or the Board may specify additional criteria depending on the specific characteristics of a PoA".*
- *The CME shall develop and implement a management system*
- *The revision of eligibility criteria of a registered PoA may be initiated by the Board at any time during the lifetime of the PoA if an issue related to environment integrity is identified.*
- *Application of multiple CDM methodologies (...)* Combinations of technologies/measures and methodologies vary across CPAs of a PoA.



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KEY ELEMENTS FOR PoA VERIFICATION

- Each CPA is implemented and operated as stated in the CPA-DD included in the PoA



- Monitoring reports are in accordance with the monitoring plan of the PoA registered (calibration, training, audit, QA/QC, etc.)



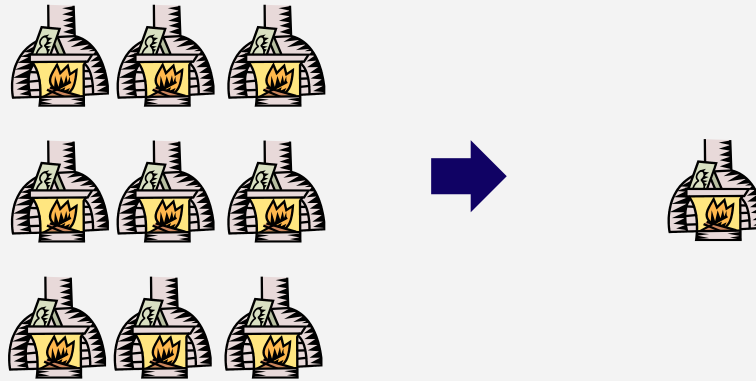
All CPAs



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KEY ELEMENTS FOR PoA VERIFICATION

- Sampling is statistically acceptable



- Implement and operate a record-keeping system of all data and calculation for ERs



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Thank you very much for your kind attention

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