



Training Workshop

Introduction to Validation, Registration, Monitoring, Verification and Certification

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Training Workshop

Theme 2: CDM Project Registration and Project Monitoring

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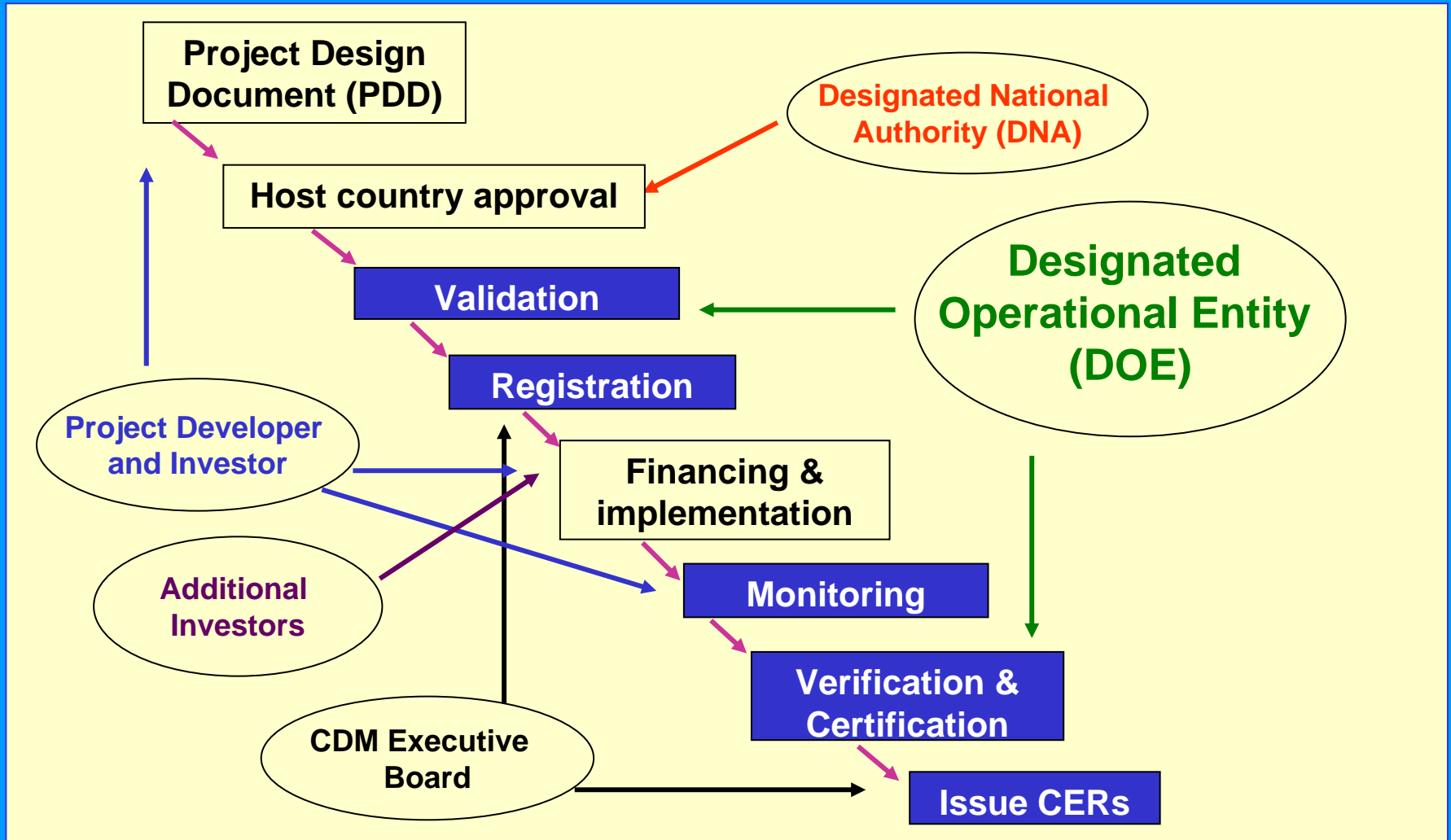
The presentation will answer...

- When is Registration done and Monitoring required?
- What is monitored ?
- What experiences exist ?
- Who registers / monitors CDM projects ?





CDM Project Cycle





The Legal Background (1)

“Registration is the formal acceptance by the Executive Board of a validated project as a CDM project activity. Registration is the prerequisite for the verification, certification and issuance of CERs related to that project activity“



Request for Registration

- DOE submits a request for registration to CDM EB through a web-interface once the validation is final
- Request accepted when proof of payment is provided
- Project undergoes 8 week review period. If there is no request for review, it is automatically registered.
- Review could be triggered out by 3 requests from EB members or Parties involved.
- If there is a request for review, registration may be postponed until documentation is satisfactory



Registered CDM Projects

see: www.unfccc.int

Registered

This interface will provide information on CDM project activities that have been registered by the CDM Executive Board.

Registered	Title	Host Parties	Other Parties	Methodology ^A	Reductions ^{AA}	Ref
23 Sep 05	<u>SRS Bagasse Cogeneration Project</u>	India	United Kingdom of Great Britain and Northern Ireland	<u>AMS-I.D.</u>	22 000	0080
23 Sep 05	<u>Tétouan Wind Farm Project for Lafarge Cement Plant</u>	Morocco	France	<u>AMS-I.D.</u>	28 651	0042
17 Sep 05	<u>Landfill Gas Extraction and Utilization at the Matuail landfill site, Dhaka, Bangladesh</u>	Bangladesh		<u>ACM0001</u> <u>ACM0002</u>	80 000	0078
17 Sep 05	<u>Landfill gas extraction on the landfill Villa Dominico, Buenos Aires, Argentina</u>	Argentina	Netherlands	<u>AM0011</u>	588 889	0072

List is updated periodically



Registration fees & other information

- The CDM registry has been constructed
- Contains public information on all CDM projects on:
 - issuance
 - holdings
 - transfer, and
 - acquisition of CERs
- Finished: November 2004
- Connected to the International Transfer Log (ITL): July 2005

Annual CO ₂ -eq. Red.	Fee in US\$
<= 15,000	5,000
> 15,000 and <= 50,000	10,000
>50,000 and <= 100,000	15,000
>100,000 and <200,000	20,000
>200,000	30,000

CDM Project Activity Registration and Validation Report Form (UNFCCC)



The Legal Background (2)

“Project Participants shall **implement the monitoring plan** contained in the registered project design document.”

“**Revisions**, if any, to the **monitoring plan** to improve its accuracy and/or completeness of information shall be justified by project participants and shall be submitted for validation to a designated operational entity.”



The Legal Background (3)

“The implementation of the registered monitoring plan and its revisions, as applicable, shall be a condition for verification, certification and the issuance of CERs.

“... Reductions in anthropogenic emissions,shall be calculated, applying the registered monitoring plan.”

Marrakech Accords



Review: The MVP - Monitoring and Verification Protocol

An **MVP**:

- identifies key project performance indicators
- sets out procedures for tracking, monitoring, calculating and verification of GHG reductions

The **objective** of an MVP is to:

- Ensure the calculated emission reductions made by the project developer in the PDD are accurate



Marrakech Accords Requires Descriptions of:

- procedures for collection & storage of emission data in and outside project boundary
- procedures for collection and storage of data to estimate leakage or spillover when significant.
- procedures for collection of storage of data used to assess the environmental impacts of the project, including trans-boundary impacts.
- procedures for QA/QC.
- description of procedures for periodic calculation of the emission reductions from the CDM project



How do I Prepare an MVP?

1. Defining Performance Indicators

2. GHG Data Collection Protocol

3. Environmental Impact Data Collection Procedure

4. Documentation and Storage Procedures

5. Quality Assurance and Quality Control Procedures

6. Internal Monitoring and External Verification



Golden Tips for MVP Data Collection

1. All calculations should be shown in full.
2. Justification should be provided for any estimates.
3. All data sources AND /OR statistical data should be recorded.
4. Evidence must be provided to show that all calculations, estimates and measurements are conservative



Implementing Monitoring Procedures

TASK	Identify if Item is M, C or E	How often task done	individuals name	Contact details
Preparation of Monitoring and Verification report	N/A			
Regular monitoring to assess GHG emissions				
Regular monitoring to assess leakage.				
Data storage and recording	N/A			
Quality assurance and control	N/A			
Training Provision	N/A			



Key Monitoring Data

Input data

Output data

What types?

Fuel type and level of input

CO₂, CH₄, N₂O

Where?

How much?

Technology characteristics

HFC, PFC, HF₆

How much?

When used?

Leakage sources

Other pollutants relevant for meeting environm. Stand.

When?

Who reported?

Who reported?

Etc.

Etc.

Other ...

Other ...



Questions?





THANK YOU