

Capacity building activities for MRV and project consideration in Latin America, Central Asia and Europe

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1. Project Objectives

- Consider..
 - Method for evaluation of GHG emission reduction
 - Criteria for project selection
- Select the potential local verification entities and
Implement capacity building activities of MRV
- Select potential GHG emission reduction/removal projects for BOCM

2. Consideration of Draft Positive List & Evaluation Methods

- Draft positive list
 - **Energy sector:** Renewable energy, Biomass power generation, etc.
 - **Transport Sector:** Fuel-efficient devices for vehicles, Low emission vehicle, Public transportation expansion, etc.
 - **Energy Efficiency:** Waste heat recovery, Home energy saving devices, etc.
 - **Waste/Waste water treatment:** Biogas utilization, appropriate waste management, etc.
- Draft evaluation methods of GHG emission reduction
 - Reference existing CDM, J-VER, VCS methodologies
 - Easy to use, simple and practical for user
 - Especially, Monitoring item and method

3. Selected Countries and Project Period

Project Period : June 2011 - March 2012

Europe, Central Asia

Group 5 : Serbia

Group 6 : Kazakhstan, Uzbekistan



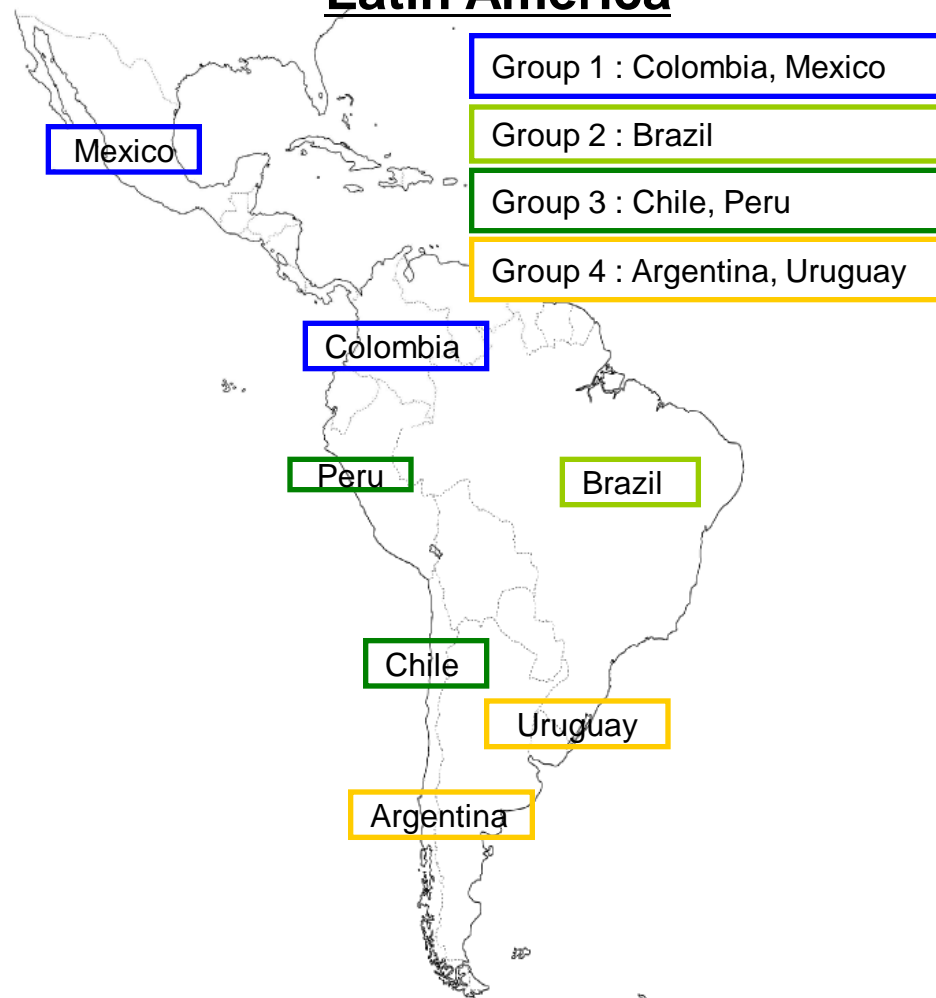
Latin America

Group 1 : Colombia, Mexico

Group 2 : Brazil

Group 3 : Chile, Peru

Group 4 : Argentina, Uruguay



【Project Team】 :

- PACIFIC CONSULTANTS CO.,LTD.
- Oriental Consultants Co.,Ltd
- Overseas Environmental Cooperation Center, Japan

4. Model Project Consideration & Capacity building activities

During the 1st Visit

- Counterpart consideration
 - Search prospective project participants and verification entities with local consultant

- Interview with concerned parties
(Government agency, Private entities)
 - Introduce the basic idea of BOCM
 - Agree to cooperation on further activities
 - Collect information for project

Model Project Consideration & Capacity building activities

During the 2nd Visit

Explanation of ..

- Positive list(Draft) and GHG emission reduction evaluation method(Draft)
 - Organize workshop for potential project participants
 - Exchange opinions about draft positive list and evaluation method
- Existing MRV methods(J-MRV,J-VER) of Japan
 - Organize workshop for potential verification entities
 - Introduce existing projects of Japan
 - Exchange opinions about draft positive list and evaluation method
 - Collect information of monitoring and verification regime of country

Result of consultation with C/P regarding potential project

Sector	Example of the potential project
Energy	Renewable energy (small Hydro, Wind, Photovoltaic, Geo-thermal) Co-generation, Centralized heating system, etc.
Transport	Bio-fuel, Fuel Switch, Low emission vehicle, modal shift, public transportation, etc
Energy efficiency	High efficiency lamp, High efficiency electric appliance, Waste heat recovery and utilization etc.
Waste	LFG utilization, Recycling, Composting, Biodigester in farm, Incinerator etc.
Forestry	Afforestation and reforestation, REDD+
Others	Forest and stockbreeding,

- Similar to existing CDM project
- However, many are not suitable for CDM
 - scale too small
 - difficult to evaluate/measure GHG emission reduction
- Especially for transport, waste, energy efficiency

Model Project Consideration & Capacity building activities

Capacity building activities of MRV

- Explanation of points for MRV in CDM and J-VER by Japanese verification experts
- Discussion about appropriate validation and verification system considering the partner country's law/regulation and situation
 - What is the most suitable MRV regime for partner country?
 - What kind of methods and data for MRV?
For these, what is needed to be done?
- Feedback the knowledge to positive list, eligibility criteria, evaluation methods

Project Status and Schedule – Group 1 : Colombia, Mexico Group 2 : Brazil

	9	10	11	12	1	2
Colombia	●		⊗		⊗	
Mexico	●		⊗		⊗	
Brazil	●		⊗		⊗	
	1 st Visit		2 nd Visit		3 rd Visit	International Workshop

● 1st Meeting with several

⊗ 1st Workshop (tentative; 2-days)

⊗ 2nd Workshop (tentative; 2-days)



Project Status and Schedule – Group 3 : Chile, Peru

Group 5 :

Serbia

	9	10	11	12	1	2
Chile	●		●		●	
Peru	●		●		●	
Serbia	●			●	●	

1st Visit

2nd Visit

3rd Visit

International
Workshop













● 1st Workshop (2-days)

● Meeting with several organizations/entities

● 2nd Workshop (tentative; 2-days)



Project Status and Schedule – Group 4 : Argentina, Uruguay Group 6 : Kazakhstan, Uzbekistan


	9	10	11	12	1	2
Argentina						
Uruguay						
Kazafstan						
Uzbekistan						


1st Visit

2nd Visit

3rd Visit

International
Workshop

 Meeting with several organizations/entities

 Meeting with several organizations/entities

 Workshop (tentative; 2-days)

5. Comments from partner countries

1. Positive comments from the partner countries and future opportunities

- Hope BOCM could cover wider range of mitigation measures
- Hope BOCM cover actions which are difficult to be registered as CDM projects or have not yet been registered under CDM, such as public transport, energy-saving building/ factory, renewable energy, high-efficiency thermal power generator , oil field associated gas recovery etc., have huge potential
- Besides hope BOCM will take in potential projects which is developing in the years ahead.
- It is preferable to simplify validation/ verification procedure and to reduce transaction time/cost without “demonstration of additionality”.
- And it is also preferable to accredit domestic institutes/ companies as local verifiers.

Comments from partner countries

1. Positive comments from the partner countries and future opportunities (cont.)

- If an partner country already has some local entities with experience to conduct validation/ verification of CDM projects, it could be more efficient to develop MRV capacity of those entities.
- Not only climate change mitigation actions but also improvement of life quality of local residents and avoidance of local environmental impact are important for partner countries.
- It is desirable BOCM will be able to exist together with CDM and NAMA, and the partner country could have many options for contribution to the global environment.
- Hope to cooperate with Japan bilaterally on developing BOCM methodology and MRV guideline, and on conducting feasibility study of potential projects.

Comments from partner countries

2. Issues to be solved

- **Considering positive list should be based on each partner country's circumstance such as GHG emission reduction potential, project implementation capability, etc.**
- **Developing GHG emission reduction evaluation method, MRV guidelines/rules and documentation formats in detail**
- **To make MRV procedure flexible in conformity with partner country's economic progress**
- **To assign accreditation body and to define accreditation criteria to accredit local verification entity**
- **To make two requirements compatible, (1) simplification of verification procedure and (2) credibility of GHG emission reduction**
- **To improve continually MRV procedure through MRV exercise on actual GHG mitigation activities in a partner country**
- **To design BOCM including partner country's merits such as technology transfer, initial investment finance, carbon credits allocation, etc. in detail, and to reach a bilateral agreement**

6. Future plans and schedule

- **Collecting information/data related to potential project**
 - Check the condition of the project
 - Estimate GHG emission reduction
 - Check applicability of monitoring item and method
- **3rd Visit**
 - Organize W/S for potential verification entities
 - Trial of MRV activities for the potential projects using positive list, eligibility criteria, evaluation methods
- **Organize international W/S in Japan on Feb 2012**