Introduction of the Bilateral Offset Credit Mechanism (BOCM) and Capacity Building Activities for developing countries

Yuji MIZUNO, Ph.D
Office of Market Mechanisms
Climate Change Policy Division
Ministry of the Environment, Japan (MOEJ)

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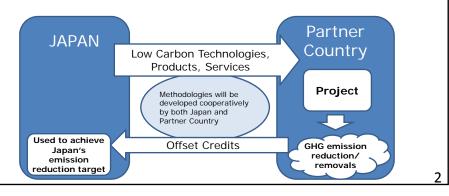
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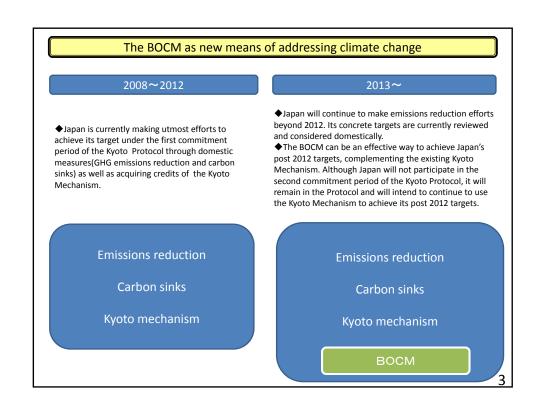
- ◆ Feasibility Studies for potential BOCM projects/actions by MOEJ
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Purpose of the BOCM

- ◆ Contribute to the ultimate objective of the UNFCCC through promotion of mitigation activities globally.
- ◆ Facilitate the bilateral cooperation in the field of climate change in such a way that best suits each country's national circumstances.
- Contribute to the sustainable development of developing countries.
- Appropriately evaluate the contribution to GHG emission reductions or removals.
- ◆ Facilitate diffusion of low carbon technologies, products and services and enhance capabilities to utilize them.





Key features of the proposed BOCM in comparison with the CDM

(Subject to further consideration)

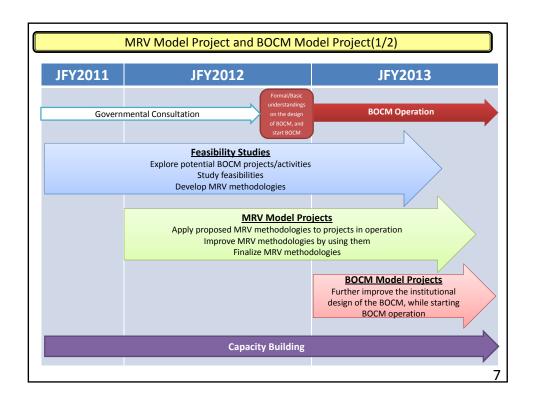
| | восм | CDM |
|----------------------------|---|--|
| Governance | -"de-centralized" structure (each government, joint committee) | -"centralized" structure (CMP, CDM-EB) |
| Sector/project Coverage | -Broader coverage | -Specific projects are difficult to implement in practice (e.g. USC coal-fired power generation) |
| Eligibility of projects | -several approaches are proposed ✓ "positive list" ✓ "benchmarking" ✓ other methods as necessary | -"additionality" approach |
| | | |

Comparison between the proposed BOCM and the CDM

(Subject to further consideration)

| | Work flow process | восм | Current CDM |
|---|--|--|--|
| 1 | PDD preparation | PDD will be become less burdensome by simplifying eligibility demonstration, making wider use of positive lists and benchmarking. | Project Participants (PPs) prepare PDDs (Project Design Documents), which contain eligibility demonstration based on the 'additionality tool'. |
| 2 | Accreditation of DOE/Third- party Verifier | Scope of third-party verifiers to conduct validation and other works will be broadened to include other institutions, such as ISO certifiers, in addition to DOEs. | Validation and other works are carried out only by DOEs (Designated Operational Entities). |
| 3 | Methodologies | The joint committee will identify basic elements of methodologies applicable to the BOCM. | CDM EB approves the methodologies applicable to the CDM. |
| 4 | Registration | Each government will register projects. | CDM EB registers projects. |
| 5 | Monitoring | In order to reduce monitoring burden, default values will be widely used in conservative manner. | PPs collect and archive all relevant data necessary for calculating GHG emissions reduction in accordance with strict rules . |
| 6 | Verification and certification | One third-party verifier will conduct both validation and verification for the same project. | Verification is carried out by DOEs which have not done validation. Certification is also done by DOEs. |
| Ī | Credit issuance | Each government will issue credits. | CDM EB issues credits. |

Consultations and way forward ◆ Japan has been conducting feasibility studies in 28 countries since 2010. ◆ Japan has held consultations on the BOCM with several countries in East Asia(e.g. Vietnam, Cambodia, Lao PDR, Indonesia, India) since 2011, following up Leaders level Joint Statement with these countries. Consultations so far mainly focused on Japan's briefing on its proposed BOCM to these countries to enhance their understandings. Japan has made similar briefing to other interested countries as well. ◆ Japan will continue consultations with any interested countries. Building on the current feasibility studies since 2010, Japan plans to implement model projects for developing MRV methodologies, with the aim of starting BOCM operations from 2013. [Thailand] Japan-Thailand Joint [India] Statement (2012/3/7) [Vietnam] Japan-India Joint Statement Japan-Vietnam Joint Statements (2010/10/25, 2011/12/28) (2010/10/31, 2011/10/31) [Mekong Region] [Indonesia] Japan-Mekong Joint Statement A document of bilateral cooperation on (2010/10/29, 2011/11/18) climate change issues (2011/11/25)



MRV Model Project and BOCM Model Project(2/2)

MRV Model Project

- •The purpose of MRV Model Project is to develop MRV methodologies, by applying them to model projects under operation, and make inputs to institutional design of the BOCM.
- MRV model projects will be selected from those already under operation, and selected entities will develop methodologies to be used for the projects (methodologies already developed through FS may also be used).
- Selected entities will implement MRV in the selected projects on the basis of the methodologies to calculate emission reductions/removals achieved, and improve the methodologies.
- Applicable MRV methodologies will be finalized by both countries, based upon knowledge and experience gained through implementation of these MRV model projects. The knowledge and experience will be input to the Government consultations on institutional design.

BOCM Model Project

- The purpose of BOCM Model Project is to further improve the institutional design of the BOCM, while starting BOCM operation.
- After selection of BOCM model projects, selected entities will implement the BOCM model projects and quantify amount of emission reductions/removals achieved by the projects, by applying MRV methodologies.

Framework for developing methodologies in the BOCM (1/2)

The requirements to be met by the BOCM methodologies

Subject to further consideration

The BOCM methodologies should:

- > Be simplified, objective and practical, while lowering uncertainty and ensuring environmental integrity,
- > Accelerate the deployment of low carbon technologies, products and services, taking into account the national circumstances in host countries,
- Facilitate the nationally appropriate mitigation actions (NAMAs) in host countries.

The elements to be included in the BOCM methodologies (Forest-related methodologies will be considered separately)

1. Eligibility

Eligibility defines the conditions on which projects/activities are allowed to obtain emissions reduction under the BOCM.

<Concept in establishing the eligibility criteria>

The eligibility should be established in terms of emissions reduced by accelerating the deployment of low carbon technologies, products and services and facilitating NAMAs, but not based on the hypothetical assessments of what would have occurred in the absence of additional revenue from offsets/credits of emissions reduction.

<Draft eligibility criteria>

(1) Positive list

Positive list identifies the low carbon technologies, products and services that should be deployed in host countries as its priority, and the projects meeting the positive list will be automatically deemed eligible.

(2) Benchmark

Benchmarks are determined in advance by project types based on energy efficiency or diffusion rate of equipments and measures, and the projects overachieving the benchmarks will be automatically deemed eligible.

(3) NAMAs identified by host countries

The NAMAs which host countries develop by themselves and to which the host countries register that offsets/credits can be issued will be eligible as the BOCM.

(4) Others

In principle, the eligibility should be evaluated based on the conditions (1) to (3) above, however, such indicators as market share, diffusion rate of technologies or barrier due to prevailing practice may be applied, if appropriate.

Framework for developing methodologies in the BOCM (2/2)

Subject to further consideration

The elements to be included in the BOCM methodologies (Forest-related methodologies will be considered separately

2. Emissions reduction calculation

The emissions reduction by the BOCM should be calculated as the difference between reference emissions and actual emissions after project/program implementation (project emissions).

In principle, the reference emissions should not be established on a project-specific basis, but be commonly applied to the projects/activities which meet a certain eligible criterion.

- > The reference emissions should be established so that they lead to the reduction in global emissions, based on the following indicators:
- Performances of equipments and appliances (including those under energy efficiency standards and labeling scheme)
- Existing actual emissions at a certain time point before project implementation
- Historical emissions trends in the past, etc.

3. Monitoring

- > Monitoring methodologies should be designed so that they are feasible and do not impose excessive burden on project participants, taking into account the national circumstances in host countries by, inter alia:
- Establishing conservative default values
- Making use of manufacturer's specifications or statistics, which don't need to be measured
- Making use of estimations based on sampling and simulations
- Monitoring activity levels using compiled data such as company's inventory and accounts
- · Allowing the estimation of missing data at the verification of monitored data under certain conditions, etc.

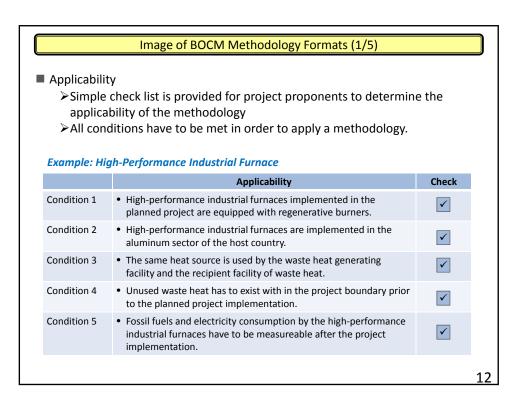
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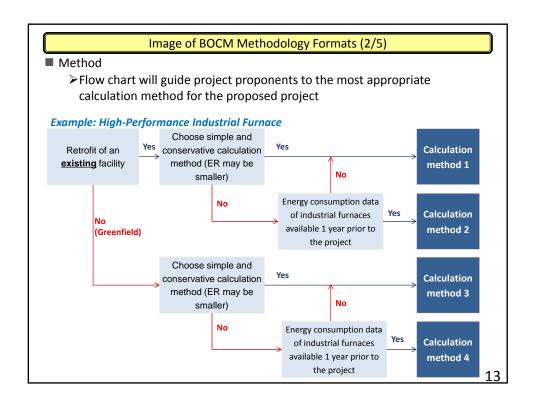
BOCM Methodology Formats

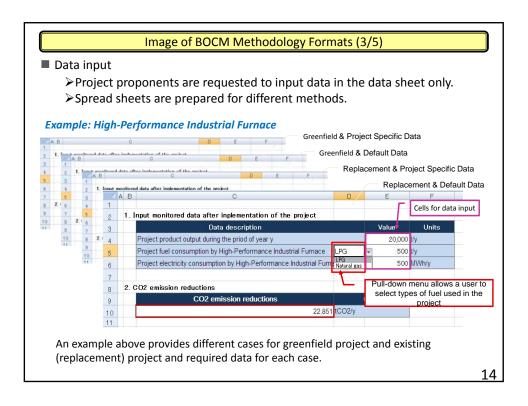
- Key Features of the methodology formats
 - The methodology formats should be designed, so that project proponents can use them easily, verifiers can verify the data easily, and calculation logic is disclosed transparently.
 - In order to reduce monitoring burden, default values should be widely used in conservative manner.

| Applicability | A "check list" will allow easy determination of applicability of methodologies to the proposed project. | |
|---------------|--|--|
| Method | Flow chart will guide project proponents to the most appropriate calculation method for the proposed project. | |
| Data | List of required parameters will inform project proponents what data is necessary to calculate GHG emission reductions/removals with methodologies. Default values for specific country and sector are provided beforehand. | |
| Calculation | Premade spread sheets will calculate GHG emission reductions/removals automatically by inputting required parameters, in accordance with methodologies. | |

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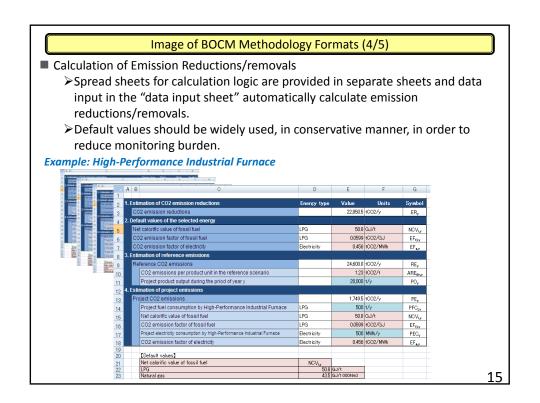
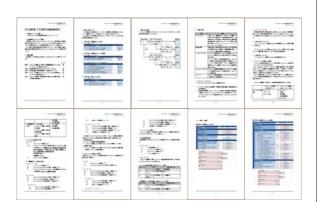


Image of BOCM Methodology Formats (5/5)

- Description of methodologies
 - ➤ Details of methodologies should be described by writing and calculation formula so that project proponents can understand logic behind and to enhance transparency.

Structure of the methodology

- Project description
- Applicability
- Calculation method selection
- List of required data
- Project boundary
- Reference scenario
- Calculation
- Monitoring



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Capacity Building Activities by MOEJ (1/2)

- Starting from 2003, MOEJ has been implementing CDM capacity building programme in Asian countries to develop institutional arrangements for the CDM.
 - ➤ Institute for Global Environmental Strategies (IGES) has been collaborating with Asian countries for capacity building.
- Building on the existing CDM capacity building activities, MOEJ launched capacity building for MRV for the BOCM.
 - Such capacity building will be conducted in Asia, Latin America and Africa respectively, to reflect specific circumstances and capacities of those countries for implementing MRV.
- New Mechanisms Information Platform website was established by Overseas Environmental Cooperation Center (OECC) to provide the latest movements and information on the BOCM.
 - ➤ URL is http://www.mmechanisms.org/e/index.html

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Appendix: Feasibility Studies for potential BOCM projects/actions by MOEJ

- Global Environment Centre Foundation (GEC) is serving as a secretariat for the FS.
- 29 projects were selected for FY2011.
 - ➤ 6 potential CDM projects were also selected, to contribute developing new methodologies, standardaized baselines and equitable geographical distribution of the CDM.
 - > Relevant information are available at GEC website.
- <u>Taskforces</u> composed of experts for specific sectors (waste management, transportation, energy efficiency and REDD+) were set up and the FS is being performed under the guidance of the taskforces.
- <u>Host country committees</u>, were organized for some countries, in order to share mutual perspectives on the BOCM, by discussing FS projects in the country.

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