

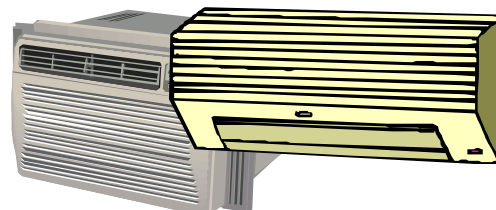
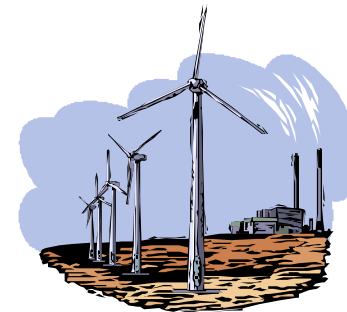
# Recent Development of The Joint Crediting Mechanism (JCM)

July 2013  
Government of Japan

*All ideas are subject to further consideration and discussion with host countries*

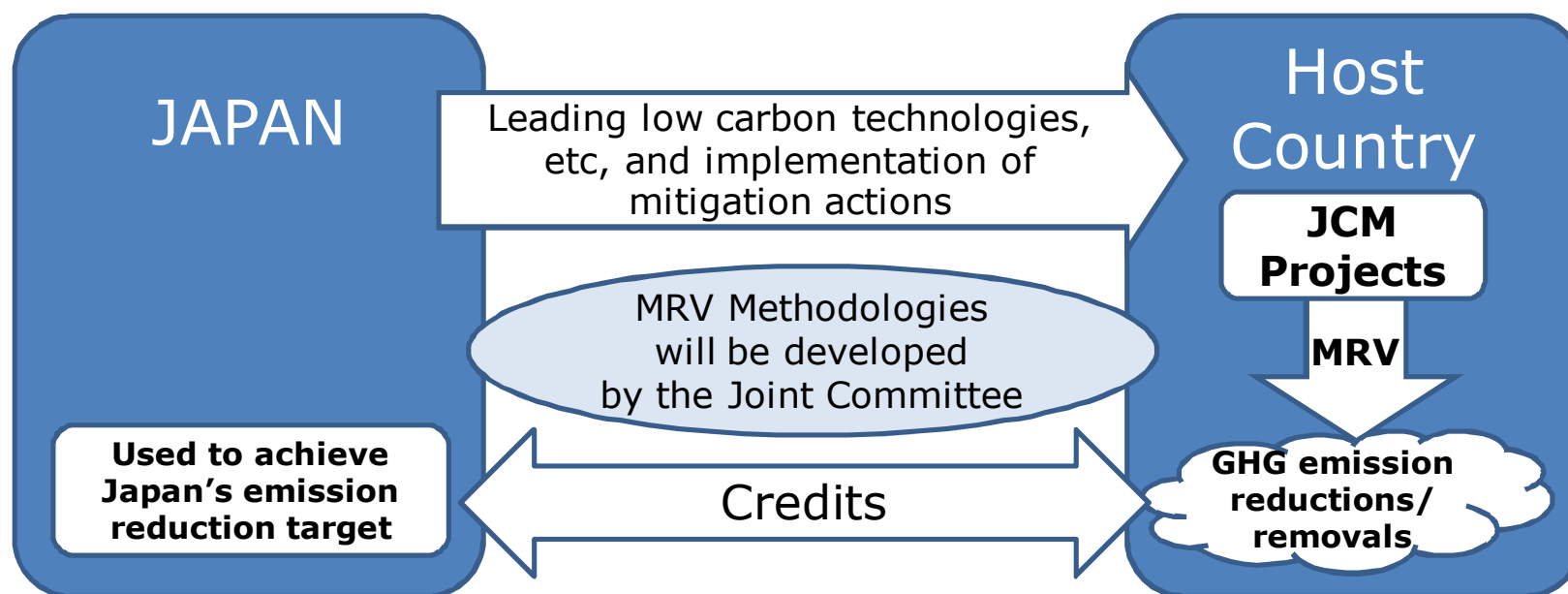
# Low-Carbon Growth

- In order to effectively address the issue of climate change, it is necessary for both developed and developing countries to achieve low-carbon growth all around the world by fully mobilizing technology, markets and finance.
- Widespread use of advanced low-carbon technologies and products in various fields including renewable energy, highly efficient power generation, home electronics, low-emission vehicles, and energy-savings in factories must be accelerated.
- Realizing a low carbon society by combining these technologies and products with appropriate systems, services, and infrastructure is also crucial.

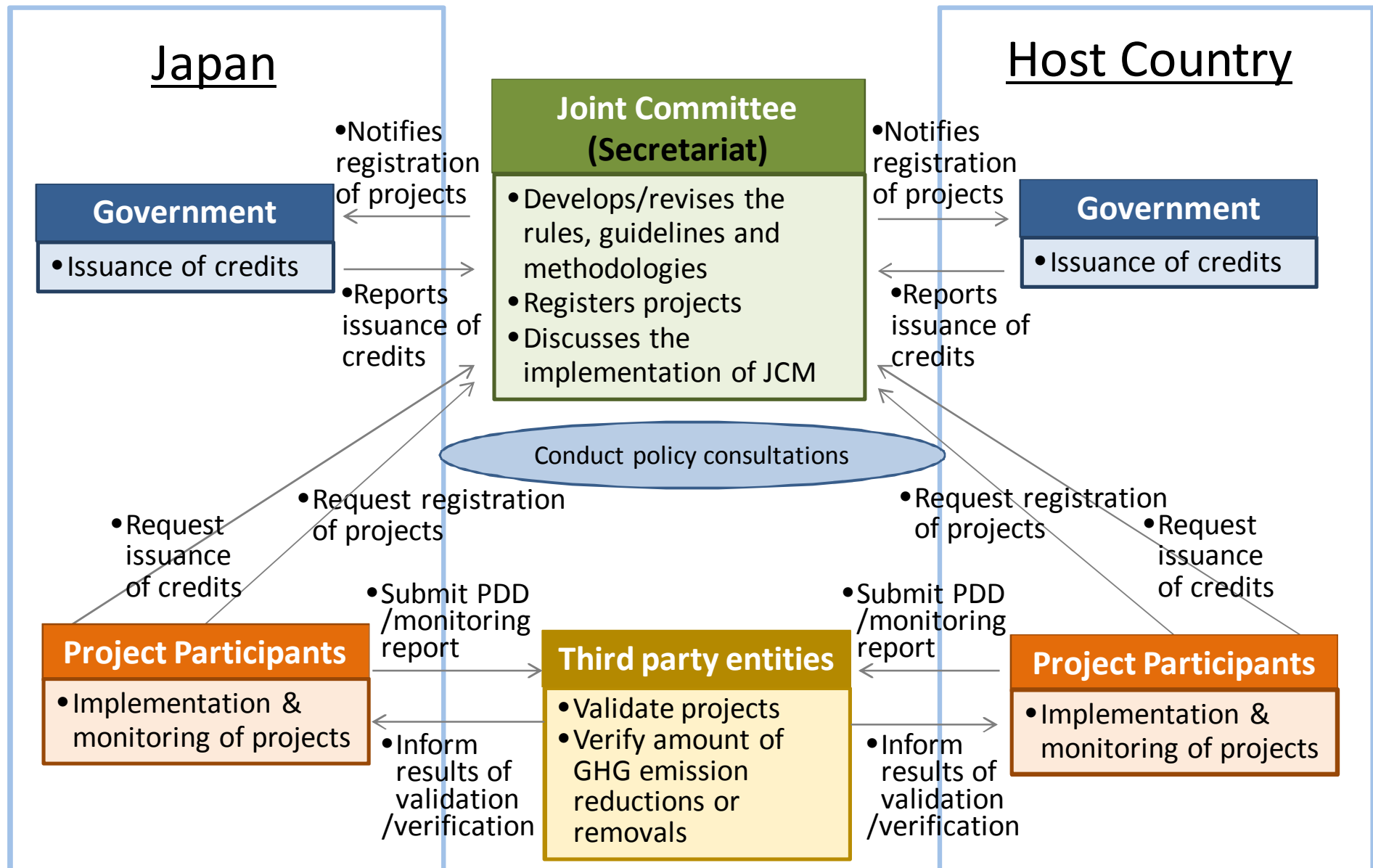


## Basic Concept of the JCM

- Facilitating diffusion of leading low carbon technologies, products, systems, services, and infrastructure as well as implementation of mitigation actions, and contributing to sustainable development of developing countries.
- Appropriately evaluating contributions to GHG emission reductions or removals from Japan in a quantitative manner, by applying measurement, reporting and verification (MRV) methodologies, and use them to achieve Japan's emission reduction target.
- Contributing to the ultimate objective of the UNFCCC by facilitating global actions for GHG emission reductions or removals, complementing the CDM.



# Scheme of the JCM



## The role of the Joint Committee and each Government

- The Joint Committee (JC) consists of representatives from both Governments.
- The JC develops rules and guidelines necessary for the implementation of the JCM.
- The JC determines either to approve or reject the proposed methodologies, as well as develops JCM methodologies.
- The JC designates the third-party entities (TPEs).
- The JC decides on whether to register JCM projects which have been validated by the TPEs.
- Each Government establishes and maintains a registry.
- On the basis of notification for issuance of credits by the JC, each Government issues the notified amount of credits to its registry.

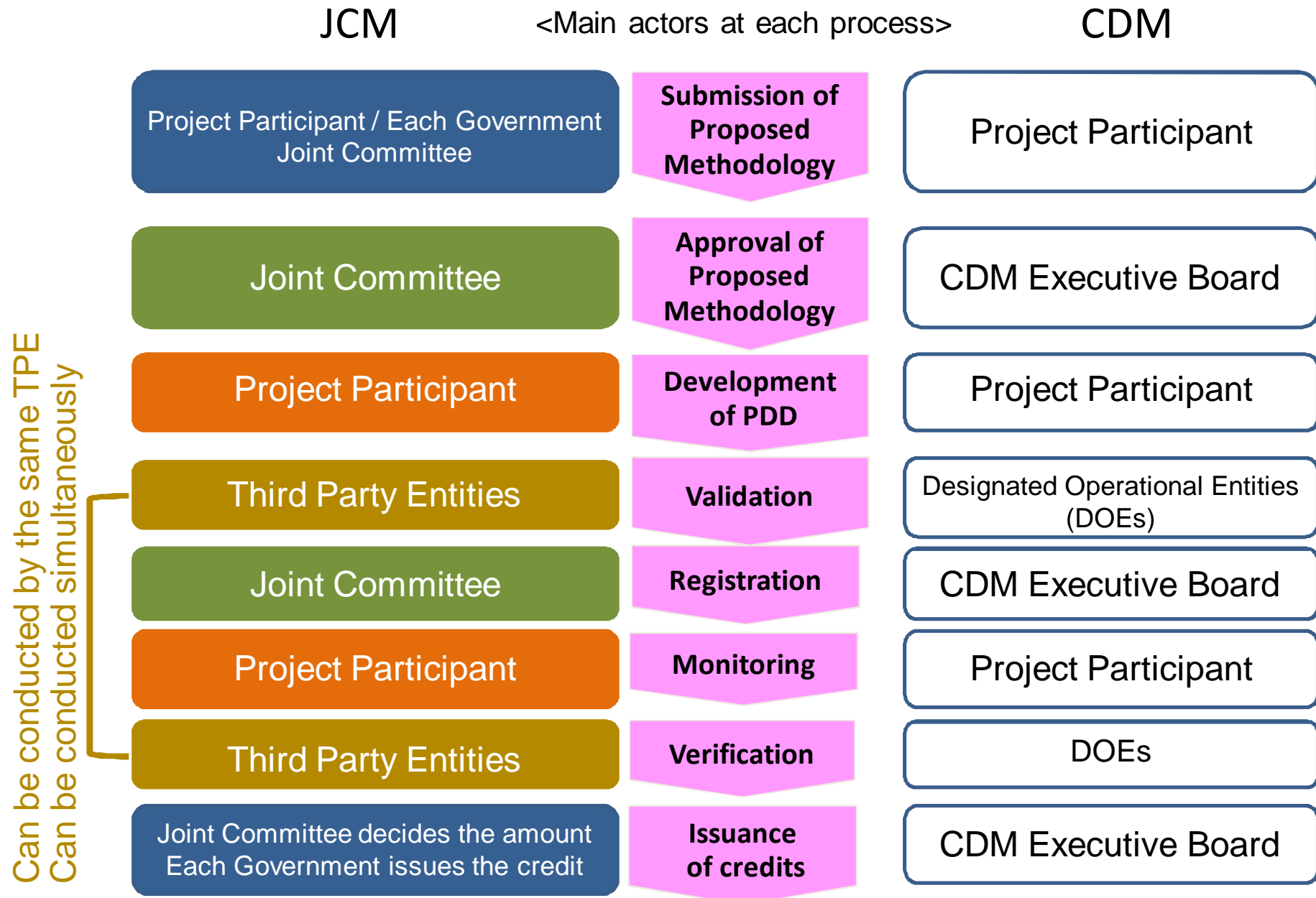
## Approaches of the JCM

- The JCM should be designed and implemented, taking into account the followings:
  - (1) Ensuring the robust methodologies, transparency and the environmental integrity;
  - (2) Maintaining simplicity and practicality based on the rules and guidelines;
  - (3) Promoting concrete actions for global GHG emission reductions or removals;
  - (4) Preventing uses of any mitigation projects registered under the JCM for the purpose of any other international climate mitigation mechanisms to avoid double counting on GHG emission reductions or removals.

## Features of the JCM

- (1) The JCM starts its operation as the non-tradable credit type mechanism.
- (2) Both Governments continue consultation for the transition to the tradable credit type mechanism and reach a conclusion at the earliest possible timing, taking account of implementation of the JCM.
- (3) The JCM aims for concrete contributions to assisting adaptation efforts of developing countries after the JCM is converted to the tradable credit type mechanism.
- (4) The JCM covers the period until a possible coming into effect of a new international framework under the UNFCCC.

# Project Cycle of the JCM and the CDM



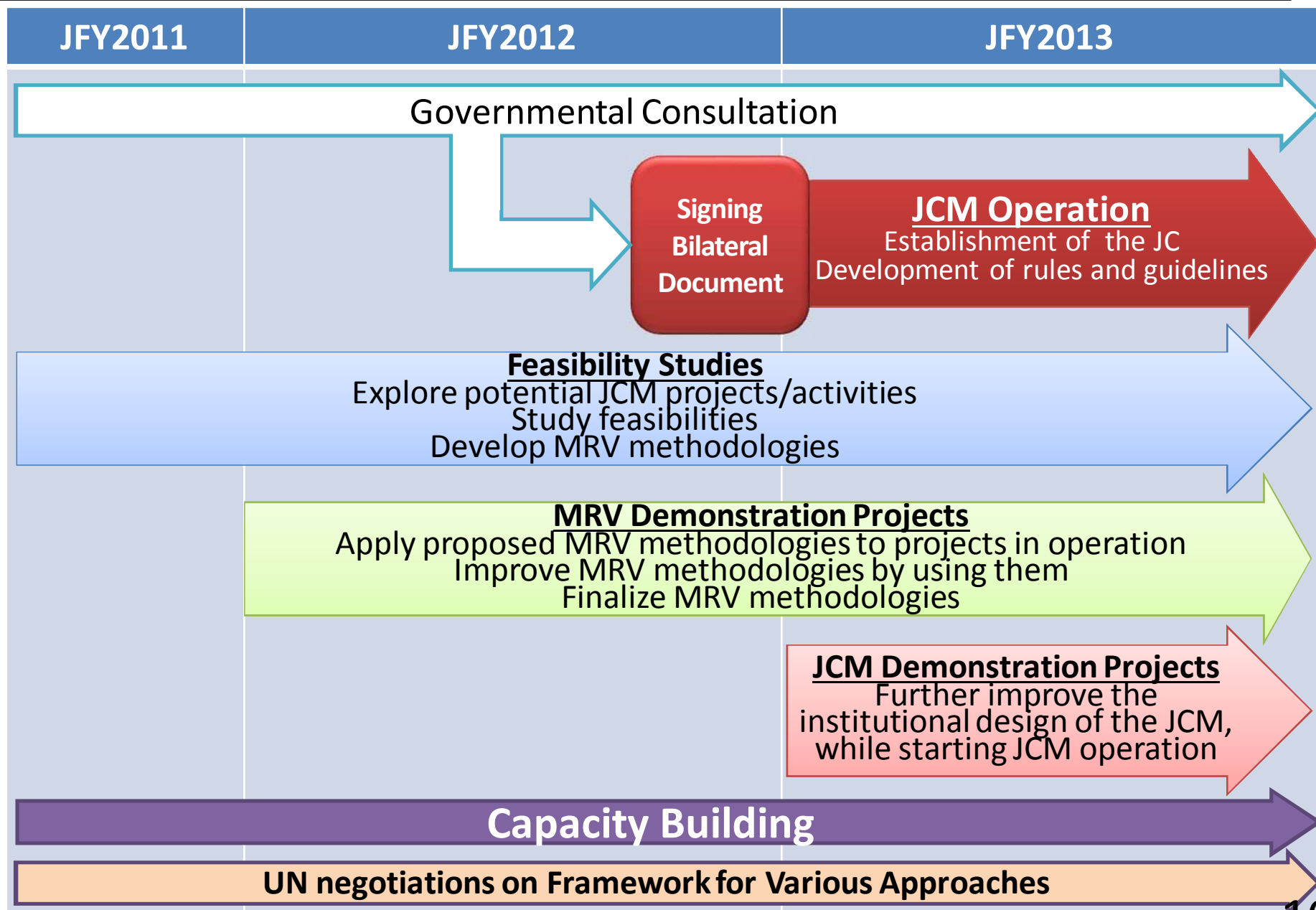


# Key features of the JCM in comparison with the CDM

(Subject to further consideration and discussion with host countries)

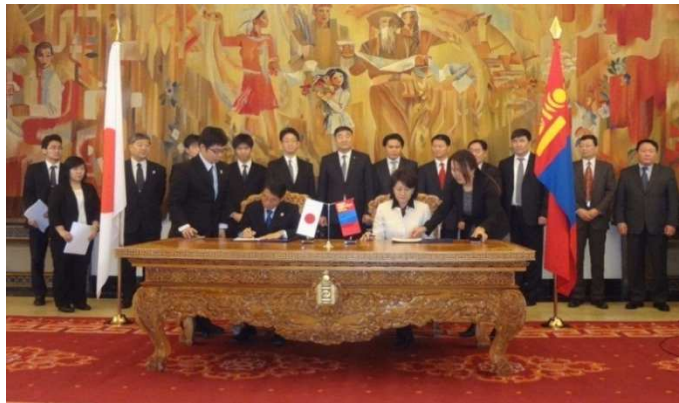
	JCM	CDM
Governance	- “de-centralized” structure (Each Government, Joint Committee)	- “centralized” structure (CMP, CDM Executive Board)
Sector/project Coverage	- Broader coverage	- Specific projects are difficult to implement in practice (e.g. USC coal-fired power generation)
Validation of projects	- In addition to DOEs, ISO14065 certification bodies can conduct - Checking whether a proposed project fits eligibility criteria which can be examined objectively	- Only DOEs can conduct - Assessment of additionality of each proposed project against hypothetical scenarios
Calculation of Emission Reductions	- Spreadsheet are provided - Default values can be used in conservative manner when monitored parameters are limited.	- Various formulas are listed - Strict requirements for measurement of parameters
Verification of projects	- The entity which validated the project can conduct verification - Validation & verification can be conducted simultaneously	- In principle, the entity which validated the project can not conduct verification - Validation & verification must be conducted separately

# Roadmap for the JCM



## Countries with which Japan has signed on bilateral documents

- Japan has held consultations for the JCM with developing countries since 2011 and signed the bilateral document for the JCM with Mongolia, Bangladesh, Ethiopia, Kenya, Maldives, and Viet Nam.



Mongolia On January 8, 2013 (Ulaanbaatar)



Kenya On June 12, 2013 (Nairobi)



Bangladesh  
On March 19, 2013 (Dhaka)



Ethiopia  
On May 27, 2013 (Addis Ababa)



Maldives On June 29, 2013 (Okinawa)



Viet Nam On July 2, 2013 (Hanoi)

- Japan will continue consultations/briefing with any countries which are interested in the JCM, i.a. with Asian countries such as Indonesia.
- Japan and Mongolia held the 1st Joint Committee.

# Technical Details Currently Considered for the JCM

(Subject to further consideration and discussion with host countries)

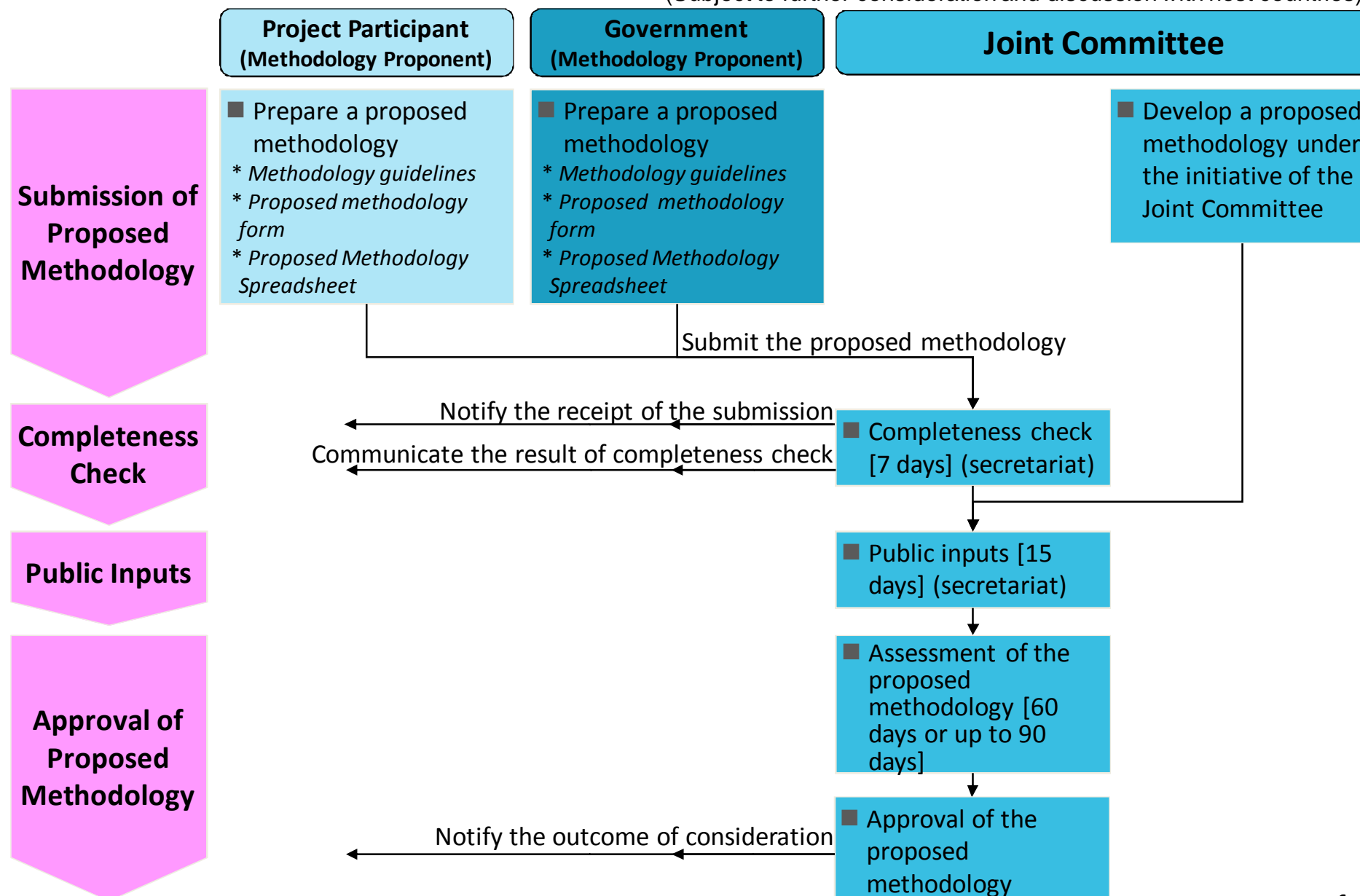
# Necessary documents for the JCM

(Subject to further consideration and discussion with host countries)

		Rules and Guidelines
<b>Overall</b>		<ul style="list-style-type: none"> <li>✓ Rules of Implementation</li> <li>✓ Project Cycle Procedure</li> <li>✓ Glossary of Terms</li> <li>✓ Guidelines for Designation as a Third-Party Entity (TPE guidelines)</li> </ul>
<b>Joint Committee</b>		<ul style="list-style-type: none"> <li>✓ Rules of Procedures for the Joint Committee (JC rules)</li> </ul>
<b>Methodology</b>		<ul style="list-style-type: none"> <li>✓ Guidelines for Developing Proposed Methodology (methodology guidelines)</li> </ul>
<b>Project Procedures</b>	<b>Developing a PDD</b>	<ul style="list-style-type: none"> <li>✓ Guidelines for Developing Project Design Document and Monitoring Report (PDD and monitoring guidelines)</li> </ul>
	<b>Monitoring</b>	
	<b>Validation</b>	<ul style="list-style-type: none"> <li>✓ Guidelines for Validation and Verification (VV guidelines)</li> </ul>
	<b>Verification</b>	

# Methodology Development Procedure of the JCM

(Subject to further consideration and discussion with host countries)



Note: Asterisk ( \* ) indicates documentation relevant for each step of the procedure

# Project Cycle Procedure of the JCM (1/2)

(Subject to further consideration and discussion with host countries)

**Project Participant**

**Third-Party Entity**

**Joint Committee**

**Government**

## Development of PDD

- Complete a PDD and develop a monitoring plan
  - \* PDD form and Approved Methodology Spreadsheet
  - \* PDD and monitoring guidelines
- Complete an MoC
  - \* Form for the "Modalities of communication statement"

Submit the PDD and MoC, and request for validation and public inputs

## Validation

Validation and verification can be conducted simultaneously or separately.

Notify the receipt of the submission

- Validate a project
- Prepare a validation report
  - \* Validation and verification guidelines
  - \* Validation report form

■ Public inputs[30 days] (secretariat)

Submit the validation report, and the validated PDD and MoC

## Registration

- Complete a registration request form
  - \* Registration request form

Request for registration

Notify the receipt of the request

Notify the conclusion

Notify the registration

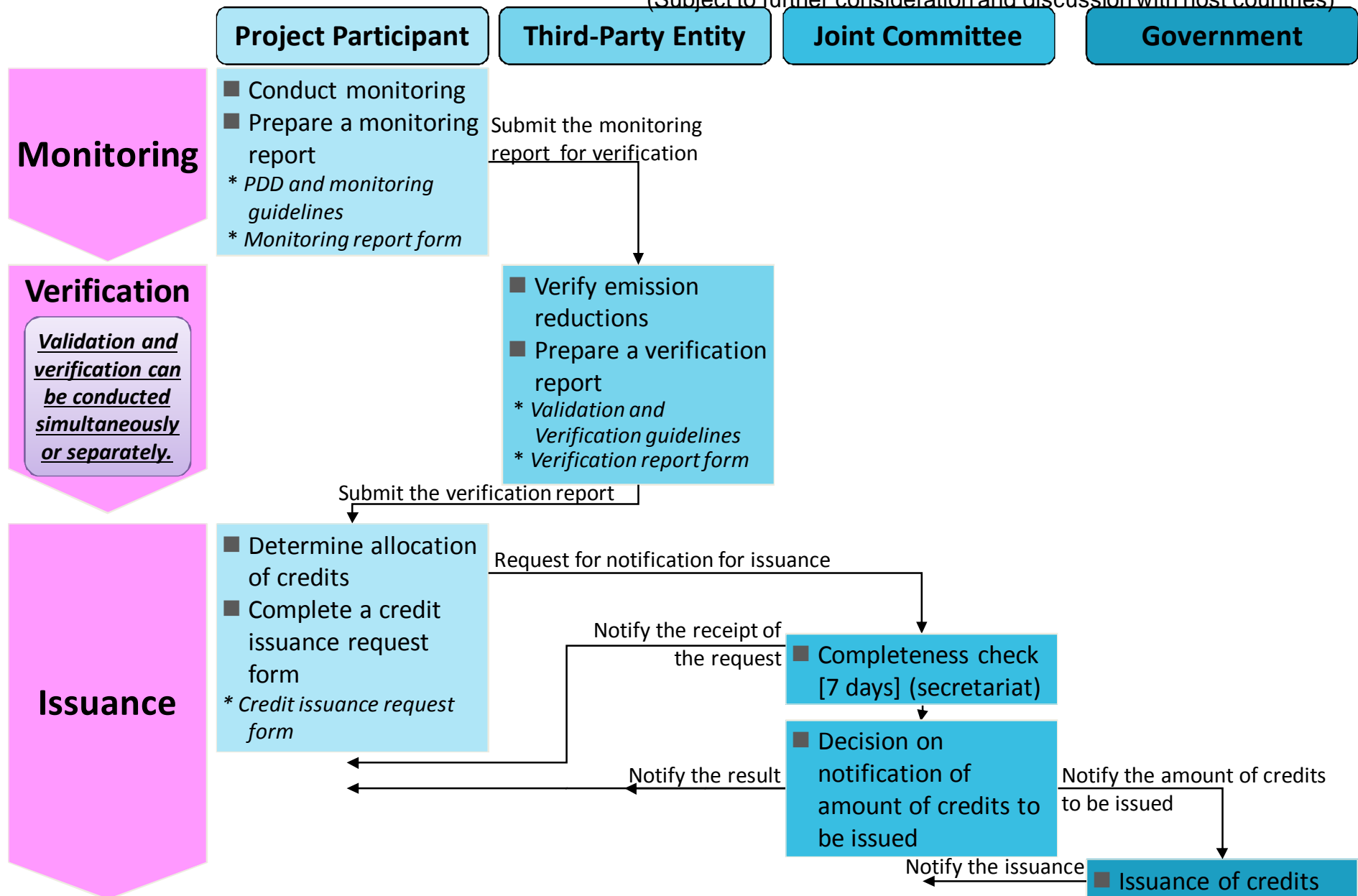
■ Completeness check [7 days] (secretariat)

■ Registration

Notify the registration

# Project Cycle Procedure of the JCM (2/2)

(Subject to further consideration and discussion with host countries)





# Rules of Procedures for the Joint Committee

(Subject to further consideration and discussion with host countries)

## Members

- The Joint Committee (JC) consists of representatives from both Governments.
- Each Government designates members, which may not exceed [10].
- The JC has two Co-chairs to be appointed by each government (one from the host country and the other from Japan). Each Co-Chair can designate an alternate from members of the JC.

## Decision making in the JC

- The JC meets no less than once a year and decision by the JC is adopted by consensus.
- The JC may adopt decisions by electronic means in the following procedure:
  - (a) The proposed decisions are distributed by the Co-Chairs to all members of the JC.
  - (b) The proposed decision is deemed as adopted when,
    - i) no member of the JC has provided negative assertion within [20] calendar days after distribution and both Co-Chairs have made affirmative assertion, or
    - ii) all members of the JC have made affirmative assertion.
- If a negative assertion is made by one of the JC members, the Co-Chairs take into account the opinion of the member and take appropriate actions.
- The JC may hold conference calls to assist making decisions by electronic means.

## External assistance

- The JC may establish panels and appoint external experts to assist part of its work.

**Languages:** English    **Secretariat:** The secretariat services the JC.

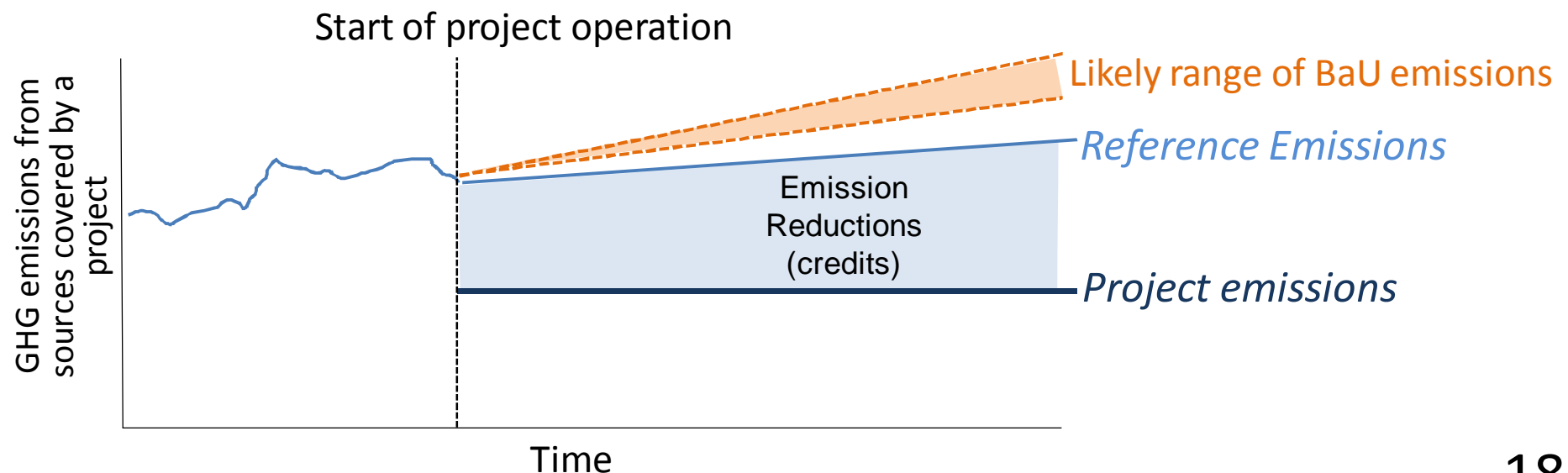
**Confidentiality:** Members of the JC, Secretariat, etc. respect confidentiality.

**Record of the meeting:** The full text of all decisions of the JC is made publicly available.

## Basic Concept for Crediting under the JCM

(Subject to further consideration and discussion with host countries)

- In the JCM, emission reductions to be credited are defined as the difference between “reference emissions” and project emissions.
- The reference emissions are calculated below business-as-usual (BaU) emissions which represent plausible emissions in providing the same outputs or service level of the proposed JCM project in the host country.
- This approach will ensure a net decrease and/or avoidance of GHG emissions.



## Crediting Threshold

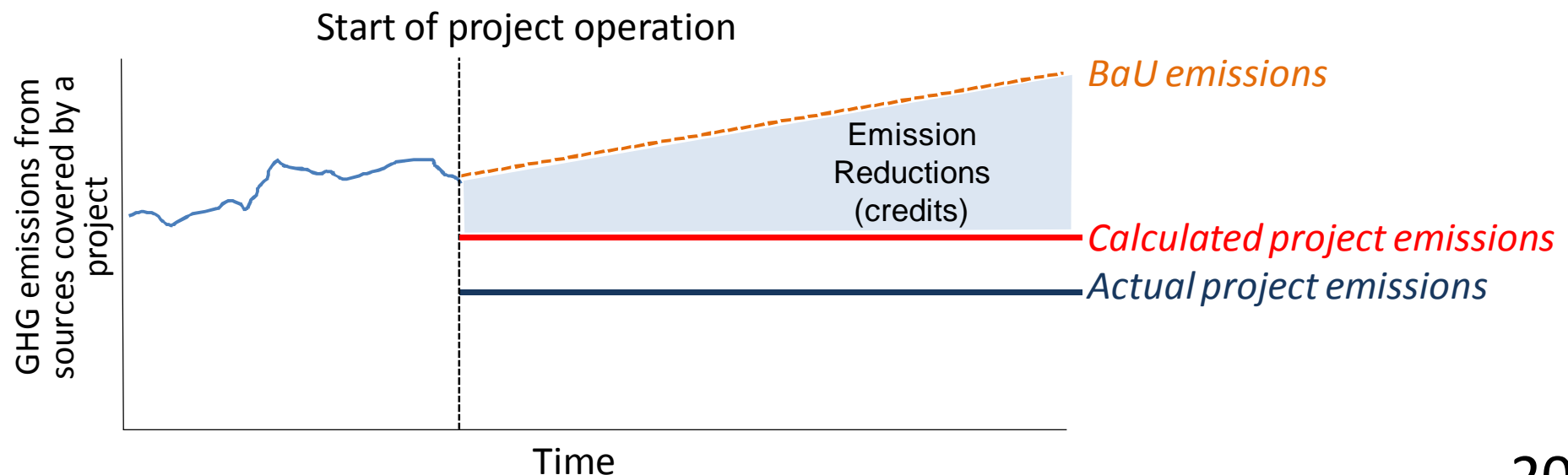
(Subject to further consideration and discussion with host countries)

- Reference emissions are calculated by multiplying a “crediting threshold” which is typically expressed as GHG emissions per unit of output by total outputs.
- A crediting threshold should be established *ex ante* in the methodology applicable for the same project type in the host country. It should also be established conservatively in order to calculate reference emissions below BaU emissions.
- This standardized approach will greatly reduce the burden of analyzing many hypothetical scenarios for demonstrating additionality of the proposed project such as under the CDM, whereas increase transparency for calculating GHG emission reductions.

## Addendum: ways to realize net reduction

(Subject to further consideration and discussion with host countries)

- A net decrease and/or avoidance of GHG emissions can be realized in alternative way, instead of calculating the reference emissions below BaU emissions.
- Using conservative default values in parameters to calculate project emissions instead of monitoring actual values, will lead calculated project emissions larger than actual project emissions.
- This approach will also ensure a net decrease and/or avoidance of GHG emissions, as well as reduce burdens of monitoring.



## JCM Methodology

### ■ Key Features of the JCM methodology

- The JCM methodologies are designed in such a way that project participants can use them easily and verifiers can verify the data easily.
- In order to reduce monitoring burden, default values are widely used in a conservative manner.
- Eligibility criteria clearly defined in the methodology can reduce the risks of rejection of the projects proposed by project participants.

Eligibility criteria	<ul style="list-style-type: none"><li>• A “check list” will allow easy determination of eligibility of a proposed project under the JCM and applicability of JCM methodologies to the project.</li></ul>
Data (parameter)	<ul style="list-style-type: none"><li>• List of parameters will inform project participants of what data is necessary to calculate GHG emission reductions/removals with JCM methodologies.</li><li>• Default values for specific country and sector are provided beforehand.</li></ul>
Calculation	<ul style="list-style-type: none"><li>• Premade spreadsheets will help calculate GHG emission reductions/removals automatically by inputting relevant values for parameters, in accordance with methodologies.</li></ul>

## Basic concept of Eligibility criteria in JCM methodology

(Subject to further consideration and discussion with host countries)

The eligibility criteria in each JCM methodology should be established, in order to reduce emissions by:

- accelerating the deployment of low carbon technologies, products and services, which will contribute to achieving net emission reductions;
- facilitating the nationally appropriate mitigation actions (NAMAs) in host countries.



1. Both Governments determine what technologies, products, etc should be included in the eligibility criteria through the approval process of the JCM methodologies by the Joint Committee.
2. Project participants can use the list of approved JCM methodologies, similar to positive list, when applying for the JCM project registration.

## Eligibility Criteria of the JCM

(Subject to further consideration and discussion with host countries)

- Eligibility criteria in JCM methodologies shall contain the following:
  1. The requirements for the project in order to be registered as a JCM project. *<Basis for the assessment of validation and registration of a proposed project>*
  2. The requirements for the project to be able to apply the JCM methodology. *<same as “applicability condition of the methodology” under the CDM>*
- Examples of eligibility criteria 1.
  - Introduction of xx (products/technologies) whose design efficiency is above xx (e.g. output/kWh) *<Benchmark Approach>*
  - Introduction of xx (specific high efficient products/technologies, such as air conditioner with inverter, electric vehicles, or PV combined with battery) *<Positive List Approach>*
- Examples of eligibility criteria 2.
  - Existence of historical data for x year(s)
  - Electricity generation by xx (e.g. PV, wind turbine) connected to the grid
  - Retrofit of the existing boiler

## Image of Eligibility criteria

- Simple check list is provided for project participants to determine the eligibility of a proposed project under the JCM and applicability of the methodology.
- All the criteria have to be met in order to apply a methodology.

### *Example: Building energy management system*

Criterion 1	• Energy Management System is to be introduced in already existing buildings.
Criterion 2	• The operation and control of equipment and facilities to reduce energy consumption for indoor environments are to be carried out by Energy Management System itself, not just upgrading equipments for energy consumption.
Criterion 3	• Be able to identify all energy consumption in the building(s) having equipment controlled by Energy Management System.



# Overview of JCM Methodology, Monitoring Plan and Monitoring Report

(Subject to further consideration and discussion with host countries)

## ■ JCM methodology consists of the followings.

- Approved Methodology Document
- Monitoring Spreadsheet
- Monitoring Plan Sheet (including Input Sheet & Calculation Process Sheet)
- Monitoring Structure Sheet
- Monitoring Report Sheet (including Input Sheet & Calculation Process Sheet)

### Approved Methodology Document

<p><b>1. Title of the methodology</b></p> <p><b>2. Summary of the methodology</b></p> <p><b>3. Scope of the methodology</b></p> <p><b>4. Methodology description</b></p> <p><b>5. Calculation of emissions</b></p> <p><b>6. Monitoring and reporting</b></p> <p><b>7. Validation and verification</b></p> <p><b>8. Other information</b></p>	<p><b>1. Title of the methodology</b></p> <p><b>2. Summary of the methodology</b></p> <p><b>3. Scope of the methodology</b></p> <p><b>4. Methodology description</b></p> <p><b>5. Calculation of emissions</b></p> <p><b>6. Monitoring and reporting</b></p> <p><b>7. Validation and verification</b></p> <p><b>8. Other information</b></p>	<p><b>1. Title of the methodology</b></p> <p><b>2. Summary of the methodology</b></p> <p><b>3. Scope of the methodology</b></p> <p><b>4. Methodology description</b></p> <p><b>5. Calculation of emissions</b></p> <p><b>6. Monitoring and reporting</b></p> <p><b>7. Validation and verification</b></p> <p><b>8. Other information</b></p>
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### Monitoring Spreadsheet

Monitoring and input data after project start										
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
Monitoring point No.	Parameters	Description of data	Estimated Values	Units	Monitoring option	Source of data	Measurement methods and procedures	Monitoring frequency	Other comments	
(1)	PO <sub>2</sub>	Project production volume at the HPFP during the period of year 1	20,000	kg	Option C	Monitoring data	- Collecting electricity consumption data with verified calibrated weighing scales and mounting it to an spread sheet electronically. - Verified scales are installed and they are calibrated once a year. - Verification and calibration shall meet international standard on corresponding monitoring devices. - Project deputy managers should check the input data with logbooks every 6 months.	once a month		
(2)	FFC <sub>2</sub>	Project fossil fuel consumption by the HPFP	500	kg	Option B	Purchase records	- Collecting the purchase amount from retailer invoices and mounting it to an spread sheet manually. - Project deputy managers should check the input data with invoices every 6 months.	once a month		
(3)	PEC <sub>2</sub>	Project electricity consumption by the HPFP	500	Wh/ky	Option C	Monitoring data	- Collecting electricity consumption data with verified calibrated electricity monitoring devices and mounting it to an spread sheet electronically. - Verified monitoring devices are installed and they are calibrated once a year. - Verification and calibration shall meet international standard on corresponding monitoring devices.	continuous		

Monitoring Report Sheet

Monitoring Structure Sheet

Monitoring Plan Sheet

Cells for data & information input

# PDD and Monitoring Plan

(Subject to further consideration and discussion with host countries)

## ■ Developing a Project Design Document (PDD) and a Monitoring Plan

- A PDD form should be filled in with information of the proposed project.
- A Monitoring Plan consists of Monitoring Plan Sheet and Monitoring Structure Sheet, and it should be filled in as well.

### PDD

**2.1. Summary of measures received and their co-benefits**

Measure	Co-benefits received	Consideration of co-benefits received
Measure 1: (a) Please indicate how to manage in the building		

**2.2. Estimated measures reduction in each year**

Year	Estimated measures reduction (CO <sub>2</sub> e)	Estimated measures reduction (CO <sub>2</sub> e)	Estimated measures reduction (CO <sub>2</sub> e)
2013	10,000	9,000	1,000
2014			
2015			
2016			
2017			
2018			
2019			
2020			
2021			

**2.3. Calculation of emission reduction**

**2.4. Measures implemented from assessment procedure from contract to the city project**

**2.5. Measures implemented from assessment procedure from contract to the city project**

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**2.100. Measures implemented from assessment procedure from contract to the city project**

### Monitoring Structure

### Monitoring Plan

Roles and responsibilities of personnel for monitoring should be described

Cells for data input (ex ante)

Monitoring point No.	Parameters	Description of data	Estimated Values	Units	Monitoring option	Source of data	Measurement methods and procedures	Monitoring frequency	Other comments
(1)	PO <sub>2</sub>	Project production volume at the HPIF during the period of year y	20,000	y	option C	monitored data	- Collecting electricity consumption data with verified/calibrated weighing scale and inputting it to an spreadsheet electronically. - Verified scales are installed and they are calibrated once a year. - Verification and calibration shall meet international standard on corresponding monitoring devices. - Project deputy managers double check the input data with logbooks every 6 months	once a month	
(2)	PFC <sub>2</sub>	Project fossil fuel consumption by the HPIF	500	y	option B	purchase records	- Collecting the purchase amount from retailer invoices and inputting it to an spreadsheet manually. - Project deputy managers double check the input data with invoices every 6 months	once a month	
(3)	PEC <sub>2</sub>	Project electricity consumption by the HPIF	500	Wh/y	option C	monitored data	- Collecting electricity consumption data with verified/calibrated electricity monitoring devices and inputting it to an spreadsheet electronically. - Verified monitoring devices are installed and they are calibrated once a year. - Verification and calibration shall meet international standard on corresponding monitoring devices.	continuous	

Other necessary information on parameters to be monitored are:

- Monitoring options
- Source of data
- Measurement methods and procedures
- Monitoring frequency

# Monitoring Report

(Subject to further consideration and discussion with host countries)

## ■ Making a Monitoring Report

- A Monitoring Report should be made by filling cells for data input (ex post) in the Monitoring Report Sheet with monitored values.
- Project participants prepare supporting documents which include evidence for stated values in the cells for data input.

**Monitoring Report**

**Monitoring period**

**Cells for data input (ex post)**

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
	Monitoring period	Monitoring point No.	Parameters	Description of data	Monitored Values	Units	Monitoring option	Source of data	Measurement methods and procedures	Monitoring frequency	Other comments
2	2013-2014	(1)	PO <sub>y</sub>	Project production volume at the HPIF* during the period of year y	20,000	ty	Option C	monitored data	- Collecting electricity consumption data with verified/calibrated weighing scale and inputting it to an spread sheet electronically - Verified scales are installed and they are calibrated once a year. - Verification and calibration shall meet international standard on corresponding monitoring devices. - Project deputy managers double check the input data with logbooks every 6 months	once a month	
4	2013-2014	(2)	PFO <sub>y</sub>	Project fossil fuel consumption by the HPIF	500	ty	Option B	purchase records	- Collecting the purchase amount from retailer invoices and inputting it to an spread sheet manually - Project deputy managers double check the input data with invoices every 6 months	once a month	
5	N/A	(3)	PEO <sub>y</sub>	Project electricity consumption by the HPIF	500	MWh/y	Option C	monitored data	- Collecting electricity consumption data with verified/calibrated electricity monitoring devices and inputting to an spread sheet electronically - Verified monitoring devices are installed and they are calibrated once a year. - Verification and calibration shall meet international standard on corresponding monitoring devices	continuous	
7	* HPIF refers to High-Performance Industrial Furnace.										
9	2. CO2 emission reductions										
10	CO2 emission reductions										
11	22,881										
12	Units										
13	tCO2/y										
14	[Monitoring option]										
15	Option A.	Based on public data which is measured by entities other than the project used: publicly recognized data such as statistical data and specific data									
16	Option B.	Based on the amount of transaction which is measured directly using metering instruments (Data used: commercial evidence such as invoices)									
17	Option C.	Based on the actual measurement using metering instruments (Data used: metering instruments)									
18											

Other necessary information on monitored parameters are to be filled in:

- Monitoring options
- Source of data
- Measurement methods and procedures
- Monitoring frequency

## Possible Contents of the JCM PDD

(Subject to further consideration and discussion with host countries)

### **A. Project description**

- A.1. Title of the JCM project
- A.2. General description of project and applied technologies and/or measures
- A.3. Location of project, including coordinates
- A.4. Name of project participants
- A.5. Duration
- A.6. Contribution from developed countries

### **B. Application of an approved JCM methodology(ies)**

- B.1. Selection of JCM methodology(ies)
- B.2. Explanation of how the project meets eligibility criteria of the approved methodology

### **C. Calculation of emission reductions**

- C.1. All emission sources and their associated greenhouse gases relevant to the JCM project
- C.2. Figure of all emission sources and monitoring points relevant to the JCM project
- C.3. Estimated emissions reductions in each year

### **D. Environmental impact assessment**

### **E. Local Stakeholder consultation**

- E.1. Solicitation of comments from local stakeholders
- E.2. Summary of comments received and their consideration

### **F. References**

### **Annex**

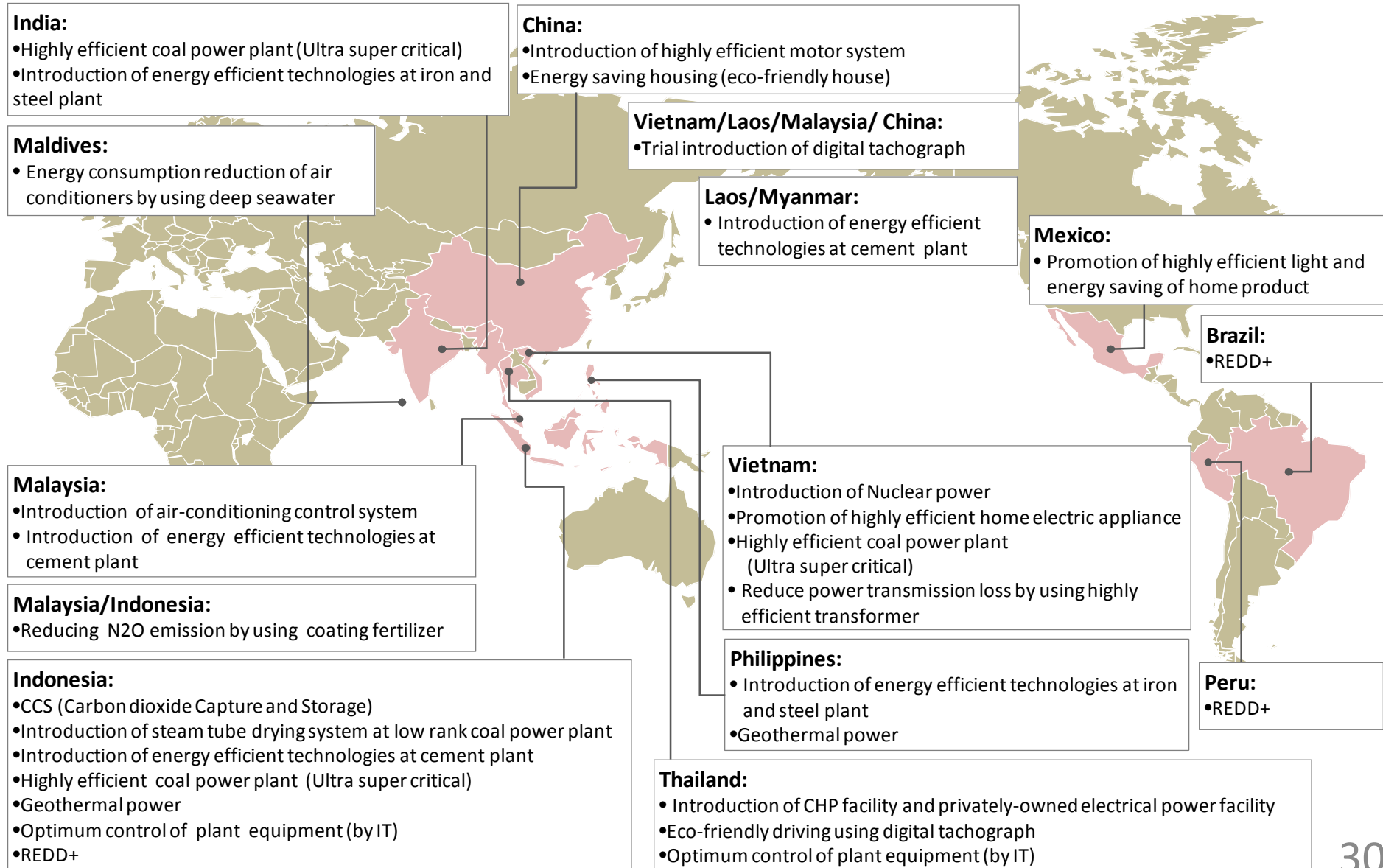
Approved Methodology Spreadsheet consists of Monitoring Plan Sheet, Monitoring Structure Sheet and Monitoring Report Sheet, and it shall be attached to the PDD.

## References

- ◆ Feasibility Studies
- ◆ Capacity Building

## JCM Feasibility Studies (FSs) by METI in FY2010

30 projects were selected (13 countries)

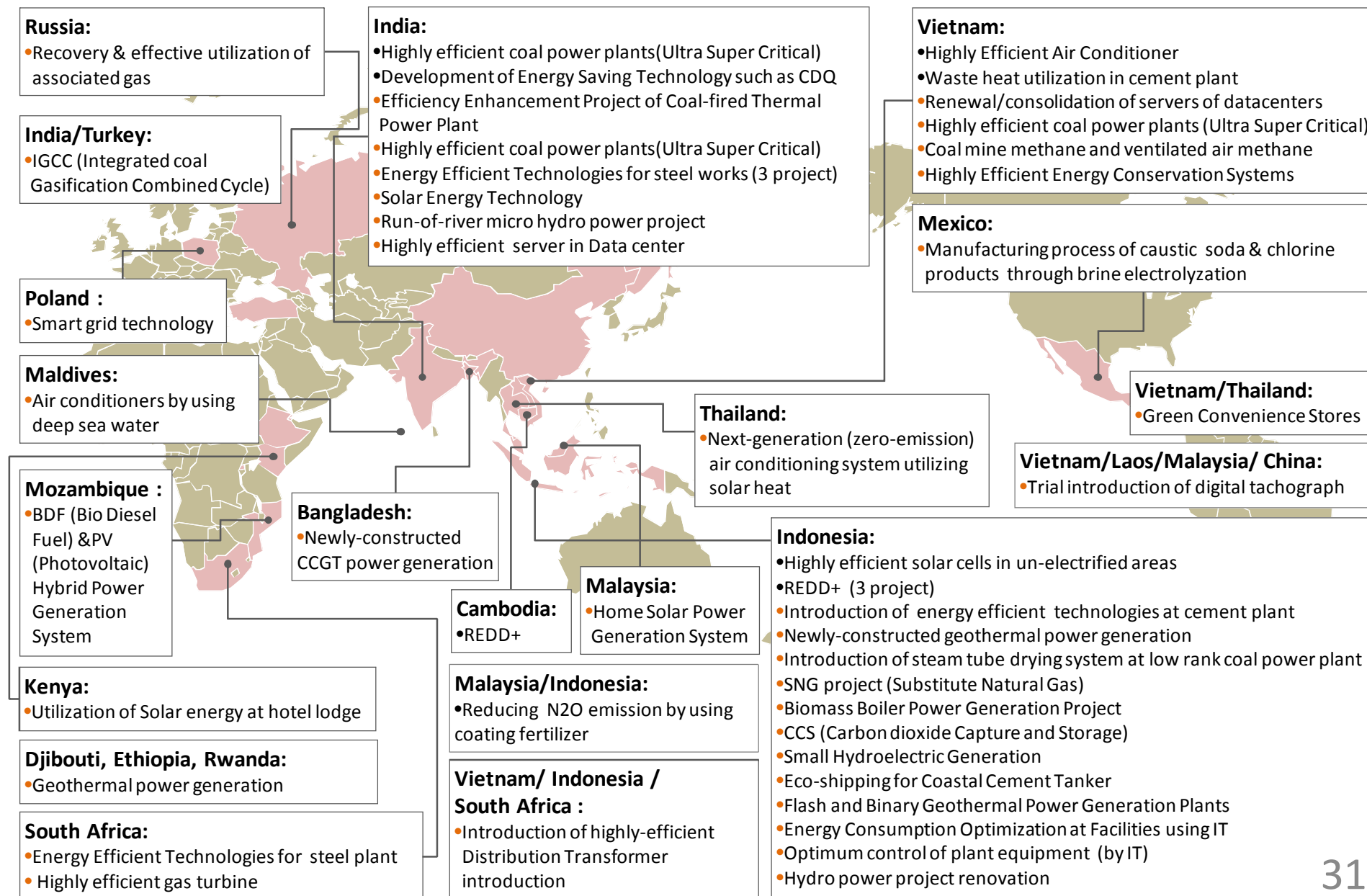




# JCM Feasibility Studies (FSs) by METI & NEDO in FY2011

**50 projects were selected (18 countries)**

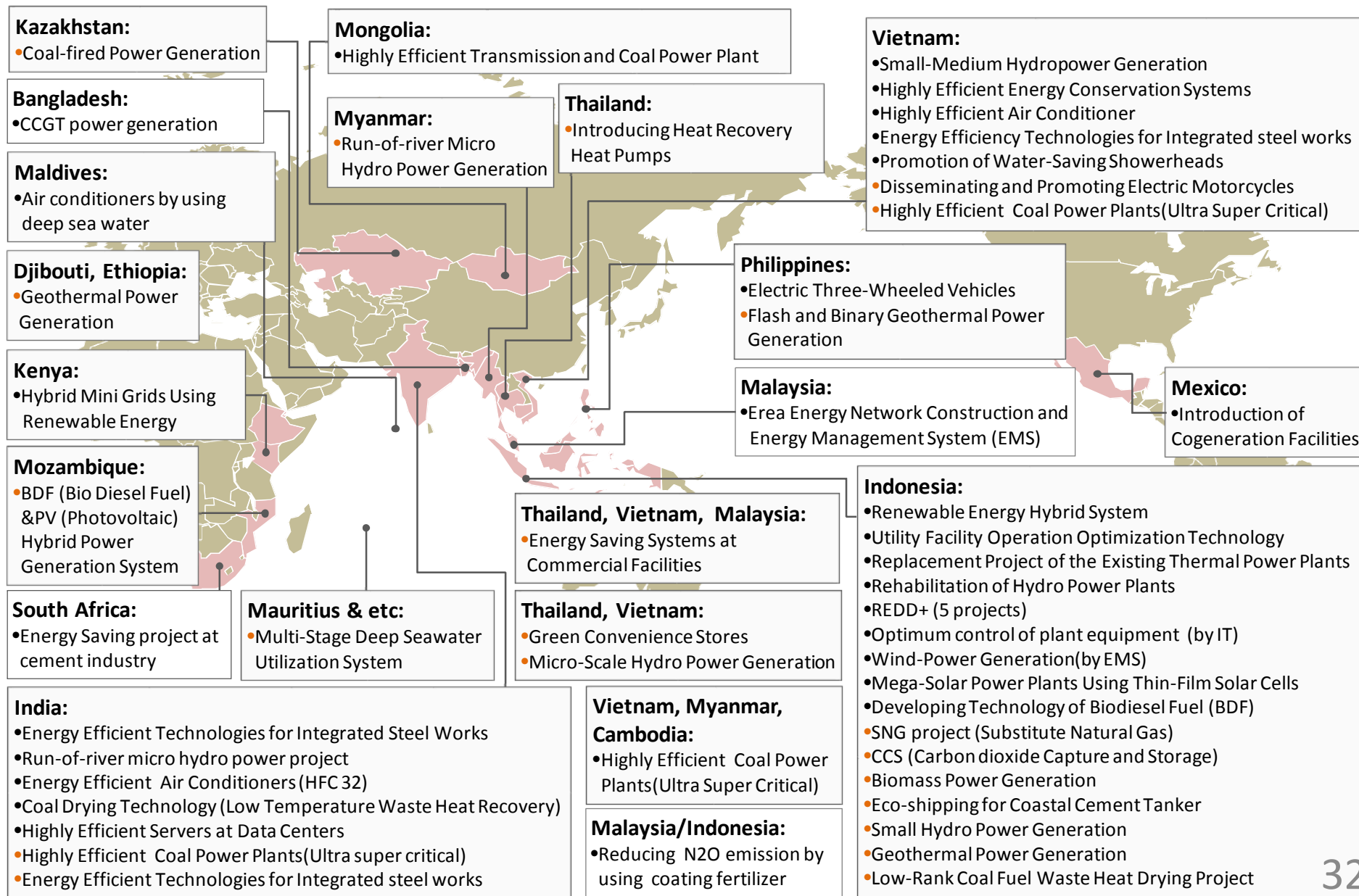
- (Black) → METI's FSs for Policy Recommendation (10 projects)
- (Yellow) → NEDO's FSs for Project Exploration /Development(40 projects)



# JCM Feasibility Studies (FSs) by METI & NEDO in FY2012

54 projects were selected (19 countries)

- (Black) → METI's FSs for Policy Recommendation (33 projects)
- (Yellow) → NEDO's FSs for Project Exploration /Development (21 projects)

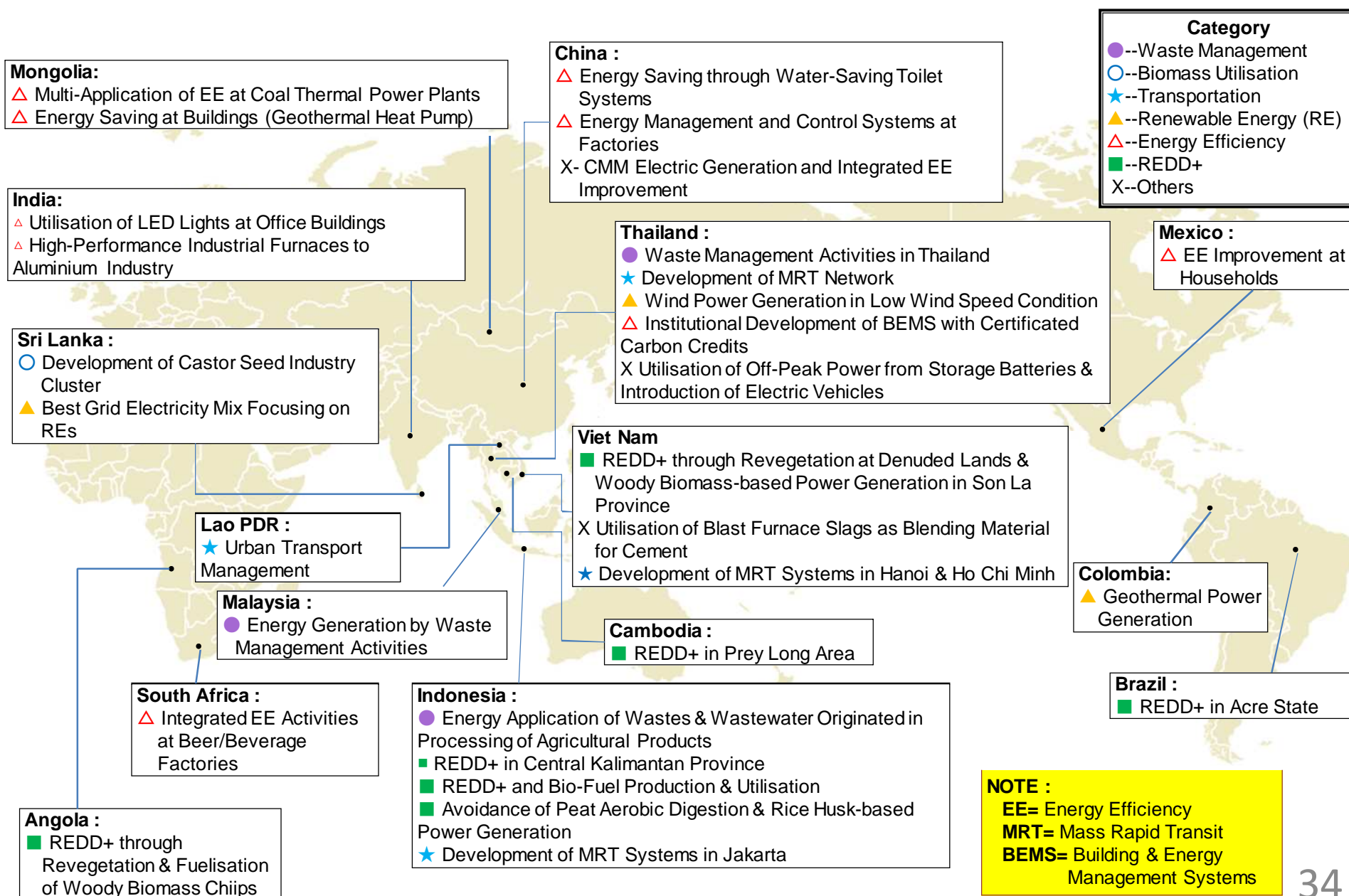




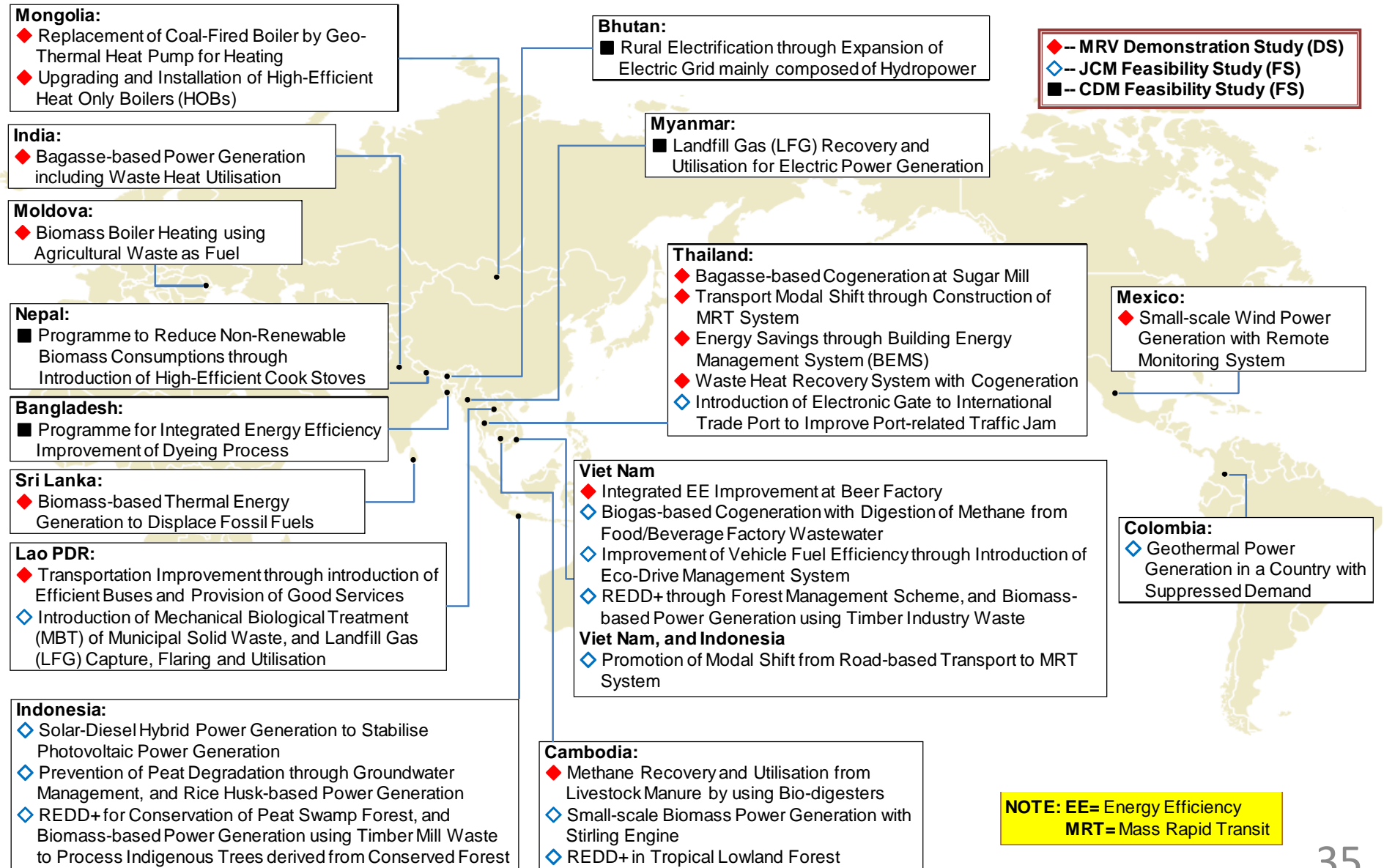
## MRV Model Projects & Feasibility Studies for JCM by MOEJ

- **Global Environment Centre Foundation (GEC)** is serving as a secretariat for the MRV Demonstration Studies using Model Projects & Feasibility Studies.
- 25 projects were selected for FY2012.
  - Among those, there are 13 MRV Demonstration Studies using Model Projects which are to develop MRV methodologies, by applying them to the projects under operation. Based upon knowledge and experience gained through these MRV model projects, applicable MRV methodologies will be finalized.
  - 4 potential CDM projects were also selected, to contribute developing new methodologies, standardized baselines and equitable geographical distribution of the CDM.
  - All the relevant information are available at GEC website(<http://gec.jp/>).
- **Taskforces** composed of experts for MRV has been set up and the selected MRV model projects / JCM FSs are being conducted under the guidance of the taskforces.
- **Host country committees**, have been organized for some countries, in order to share mutual perspectives on the JCM, through the discussions in those countries.

# JCM Feasibility Studies by MOEJ in FY2011



# MRV Model Projects and Feasibility Studies by MOEJ in FY2012



## Capacity building

- ◆ Capacity building is an important component of JCM.
- ◆ Capacity building for JCM will be useful not just for JCM alone, but also for improving CDM, and developing NAMAs.

(Example)

Indonesia

- Support for establishing the MRV agency by JICA

Zambia/Bhutan

- Support for simplified CDM methodologies for Rural Electrification by JICA



Mekong countries

- Policy dialogue and enhanced briefing on JCM for government officials in charge of climate change of five Mekong countries (Cambodia, Lao PDR, Myanmar, Thailand, Viet Nam)

## Capacity Building Activities by METI

METI engages in a variety of capacity building activities, such as seminars, expert dispatches, technical experts invitations, joint researches on MRV methodologies, and government-private sector dialogues:

(Purposes)

- ✧ To provide technical know-how necessary to implement GHG emissions reduction projects under the JCM
- ✧ To establish MRV methodologies for the JCM
- ✧ To train experts on MRV methodologies for the JCM
- ✧ To train entities to act as third-party verifiers for the JCM
- ✧ To deepen understanding on the institutional and technical aspects of the JCM both at government and private sectors.

### ■ Capacity building activities by METI in FY2012

#### METI

Highly Efficient Transmission and Coal Power Plant (Mongolia)

Eco-friendly driving using digital tachograph (Vietnam)

Reduce power transmission loss by using highly efficient transformer (Vietnam)

Highly efficient coal power plant (Ultra super critical) (Vietnam)

Energy saving project at cement industry (South Africa)

Highly efficient servers at Data Centers (India )

Energy efficient technologies at Steel plant (India)

#### HIDA (The Overseas Human Resources and Industry Development Association)

High Efficiency Ion-Exchange Membrane Electrolysis Technology (Brazil)

## 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 JCM**.
  - 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 JCM.
  - URL is <http://www.mmechanisms.org/e/index.html>



## Capacity Building Activities by MOEJ (2/2)


**New Mechanisms Information Platform**

Inquiry | E-mail Newsletter | Japanese

Font Size: [Standard](#) | [Big](#) | Maximum Site Search | [Google Custom Search](#)

[HOME](#) | [Sitemap](#) | [Links](#) | [Disclaimer](#)

[Japan's Initiatives](#) | [Support Programmes](#) | [Useful Experiences](#) | [Useful Calculation Methodology](#) | [REDD/REDD+](#)



**The Joint Crediting Mechanism / Bilateral Offset Credit Mechanism (JCM/BOCM)**

Proposed Elements of the JCM/BOCM

Relevant Documents: [Gov't of Japan](#) | [MOEJ](#) | [MOFA](#)

**Topics of Japan** [List](#)

- Jan 9, 2013  
Japan and Mongolia signed the first JCM agreement
- May 19, 2012  
Fact Sheet: G8 Action on Energy and Climate Change (MOFA)
- Apr 16, 2012  
East Asia Low Carbon Growth Partnership Dialogue (MOFA)
- Apr 16, 2012  
Submission by Japan  
Future framework and work plan of the Ad Hoc Working Group on the Durban Platform for Enhanced Action (MOFA)

**Publications** [List](#)

**New Mechanisms Express No.6**

- The New Mechanisms about to Be Launched Soon
- November 2012

**Information** [List](#)

- Nov 30, 2012  
"Reports of COP18/CMP8"