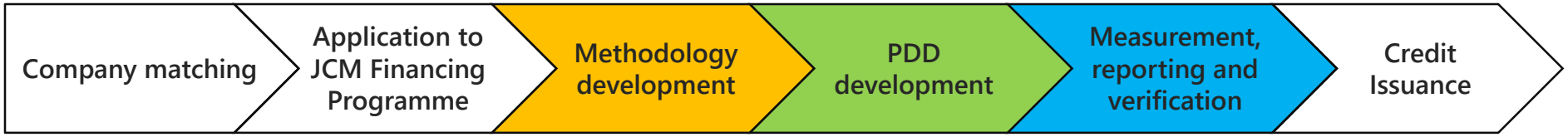
Measurement, Reporting and Verification (MRV) of the JCM

Tomohiko Hattori
Policy Researcher
Climate and Energy Area
Institute for Global Environmental Strategies (IGES)

IGES
Institute for Global Environmental Strategies

Overview of JCM MRV Support



Support by IGES

Support by GEC

Methodology development:

- Developing draft methodology
- Coordination with governments of both sides to submit necessary documents
- Explanation to the JCM partner countries for further understandings on the proposed methodologies

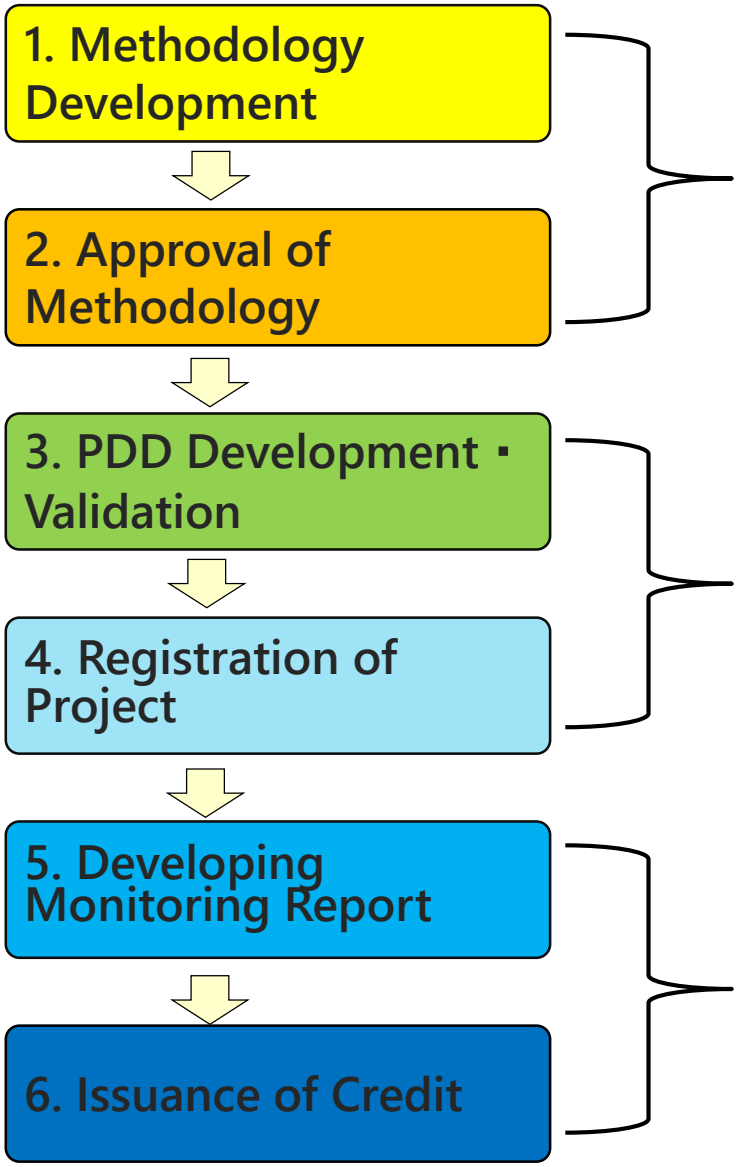
PDD Development:

- Developing draft Project design document (PDD)
- Coordination with project participants, Third Party Entities (TPEs) and governments of both sides to submit necessary documents for each procedural step

Monitoring report:

- Developing draft monitoring report
- Coordination with project participants, TPEs and governments of both sides to submit necessary documents for each procedural step

Responsibility of project participants in each step



1.Collecting and offering data for methodology development

2.Organizing Local Stakeholders Consultation (LSC)

3.Signature of MoC (Modalities of Communication)

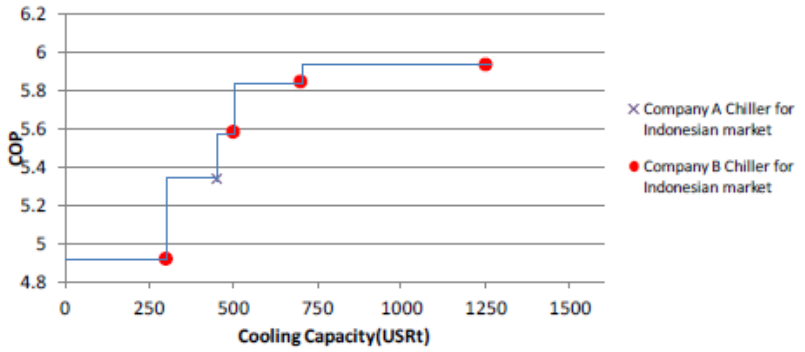
4.Monitoring data

5.Allocation of issued credits

- Open account in the JCM registry

1. Collecting data for methodology development

- Setting default value is a key point in the development of JCM methodology. It is also important to reduce monitoring burdens for project participants.
- For example, it is helpful to collect information and catalogue related to technology which will be similar to a proposed project.
- It is essential to develop JCM methodology by using only monitoring parameters which do not require extra monitoring.



Source : Based on the manufacturer's information, Indonesian power specification etc., the above figure was prepared.

Figure 1 : COP Values of Candidate Reference Chillers

- COP values by cooling capacity were collected through investigation. The maximum value of collected COP values was adopted for reference COP.

（Indonesia ： Chiller Project）

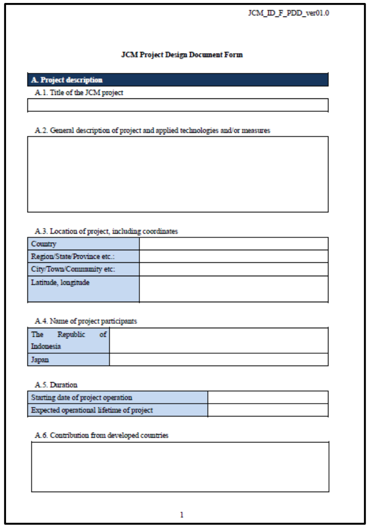
Source ： JCM approved methodology ID_AM002 version2 additional information

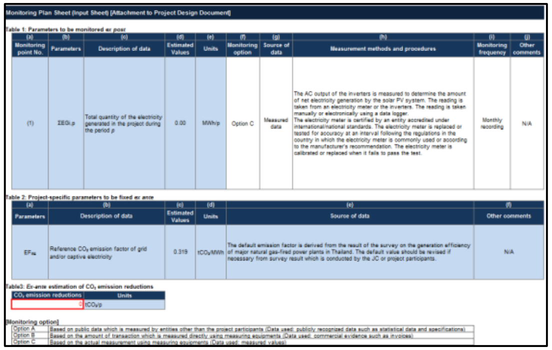
Project Design Document (PDD) Development

- Emission reductions are calculated by spreadsheet automatically.
- Main point in PDD development is explanation of result of LSC.
  - ✓ The objective of LSC is to explain about project to relevant local stakeholders.
  - ✓ The scheme of the JCM is not necessarily explained in LSC.
- Since PDD form is simple, PDD can be developed in a short term except for the information related to LSC.

<u>Necessary information for PDD</u>

1) Overview of project & technology
2) Location of project
3) Starting date of project operation
4) Amount of emission reduction
5) Monitoring point and structure
6) Result of LSC
7) EIA (if applicable)





PDD Form and Spreadsheet

2. Local Stakeholders Consultation (LSC)

Necessary actions for LSC by Project Participants

1. Selection of potential participants
2. Coordination to decide date and venue
3. Preparation of materials for explanation of project

➢ It is important to communicate and coordinate early with project participants and governments.

Photo: LSC in the JCM project (ID005）

The following record will be required at validation process.

➢ Material used for explanation of project at LSC
➢ Minutes of LSC in English

Note: In particular, comments from participants

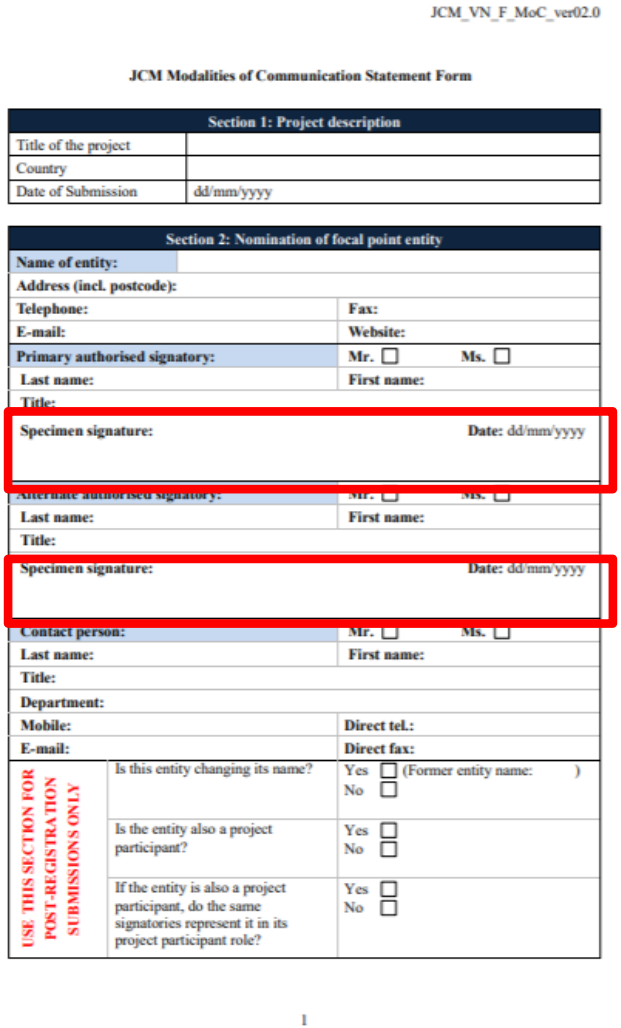
➢ List of participants with signature (not mandatory)
➢ Photos of LSC (not mandatory)

Example of participants for LSC

- Project Participants
- Local Government Officials
- Regional chamber of commerce
- JCM secretariat

3. Signature of Modalities of Communication (MoC)

- MoC is a form to designate a focal point of each project participant for communication with the JCM secretariat and Joint Committee (JC).
- Signatures of primary and alternative persons are necessary in the form.
- Signature of a project participant in host country is also needed.



JCM_VN_F_MoC_ver02.0

JCM Modalities of Communication Statement Form

Section 1: Project description	
Title of the project	
Country	
Date of Submission	dd/mm/yyyy

Section 2: Nomination of focal point entity		
Name of entity:		
Address (incl. postcode):		
Telephone:	**Fax:**	
E-mail:	**Website:**	
Primary authorised signatory:	**Mr.** ☐	**Ms.** ☐
Last name:	**First name:**	
Title:		
Specimen signature:	**Date:** dd/mm/yyyy	
Alternate authorised signatory:	**Mr.** ☐	**Ms.** ☐
Last name:	**First name:**	
Title:		
Specimen signature:	**Date:** dd/mm/yyyy	
Contact person:	**Mr.** ☐	**Ms.** ☐
Last name:	**First name:**	
Title:		
Department:		
Mobile:	**Direct tel.:**	
E-mail:	**Direct fax:**	
USE THIS SECTION FOR POST-REGISTRATION SUBMISSIONS ONLY	Is this entity changing its name?	Yes ☐ (Former entity name:) No ☐
	Is the entity also a project participant?	Yes ☐ No ☐
	If the entity is also a project participant, do the same signatories represent it in its project participant role?	Yes ☐ No ☐

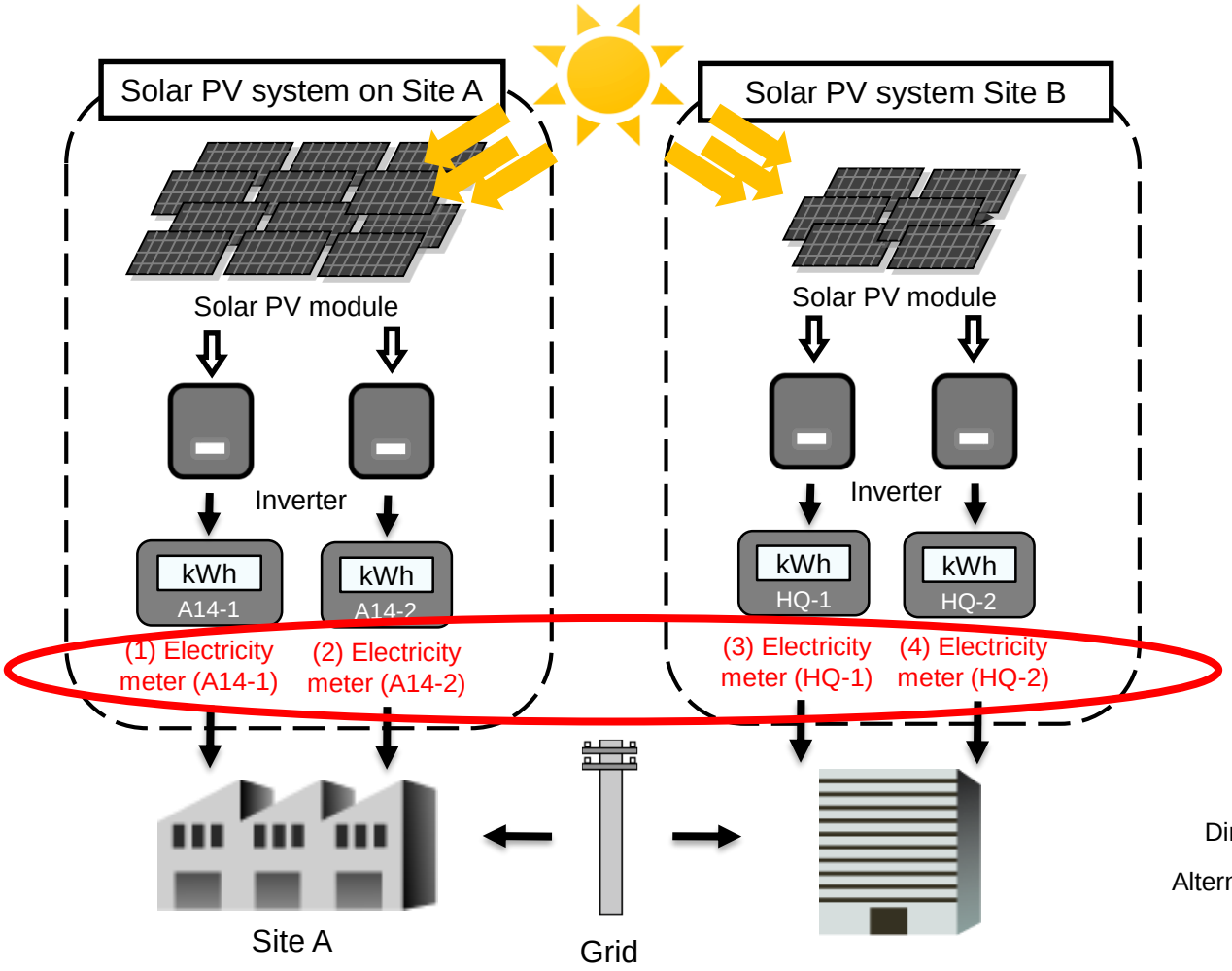
1

Source：JCM Modalities of Communication Statement Form ver02.0 （Japan-Vietnam)

4. Case Study: Monitoring of Solar PV Project

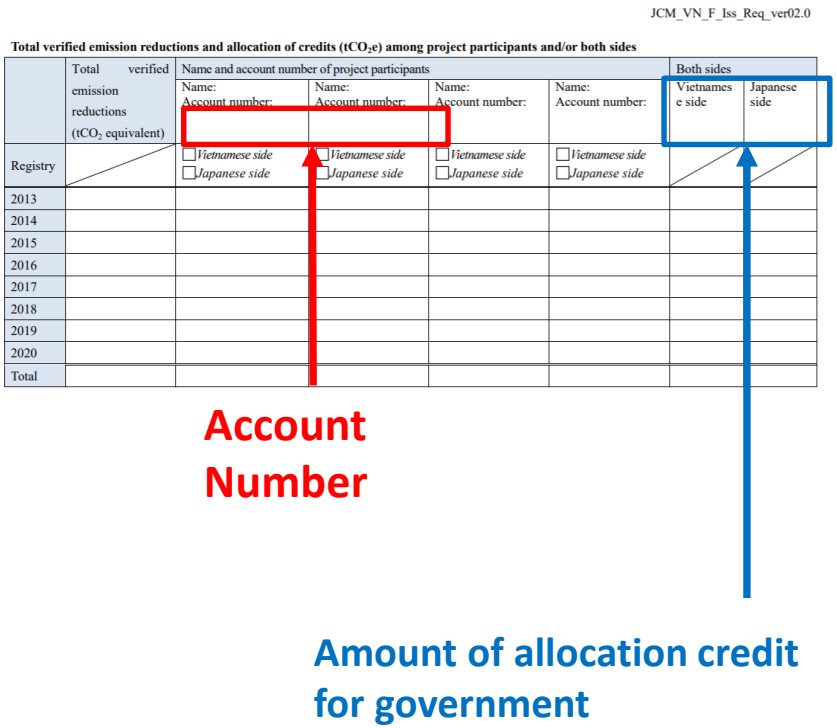
Monitoring Parameter: VN_AM007

Monitoring parameter : quantity of electricity generated by the project solar PV system(s)



5. Allocation of issued credits

- Projects supported by the JCM financial programme are required to provide more than 50% of issued credits to Japanese government.
- Allocation of remaining credits is decided between Vietnamese government, project participants from Japan and Vietnam.
- Since Vietnamese government will also acquire credits, close coordination with both governments is helpful for project participants.
- Project participants are required to open an account in JCM registry in advance. The account numbers of project participants are necessary for completing the JCM credit issuance form.



JCM_VN_F_Iss_Req_ver02.0

Total verified emission reductions and allocation of credits (tCO_2e) among project participants and/or both sides

	Total verified emission reductions (tCO_2 equivalent)	Name and account number of project participants				Both sides	
		Name: Account number:	Name: Account number:	Name: Account number:	Name: Account number:	Vietnamese side	Japanese side
Registry		☐ *Vietnamese side* ☐ *Japanese side*	☐ *Vietnamese side* ☐ *Japanese side*	☐ *Vietnamese side* ☐ *Japanese side*	☐ *Vietnamese side* ☐ *Japanese side*		
2013							
2014							
2015							
2016							
2017							
2018							
2019							
2020							
Total							

Account Number

Amount of allocation credit for government

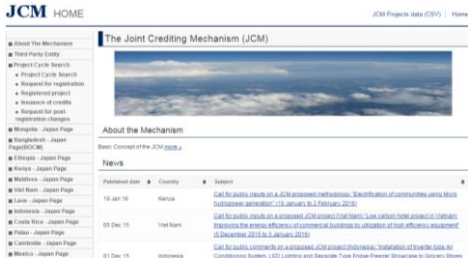
Source : JCM Credit Issuance Request Form ver02.0 (Japan- Vietnam)

For further information

Official JCM Webpage

https://www.jcm.go.jp/

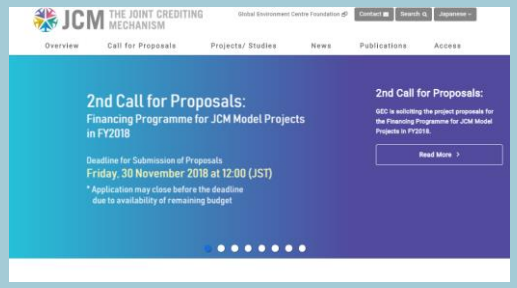
Content: rules and guidelines, JCM methodology, projects



GEC website

http://gec.jp/jcm/

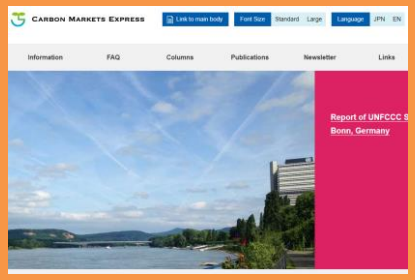
Content: call for proposals, financial and project development, feasibility study, JCM booklet



Carbon Markets Express

https://www.carbon-markets.go.jp/eng/

Content: recent development of the JCM



IGES JCM Database

https://pub.iges.or.jp/pub/iges-joint-crediting-mechanism-jcm-database

Content: details of methodologies, projects, feasibility studies

Thank you for your kind attention!