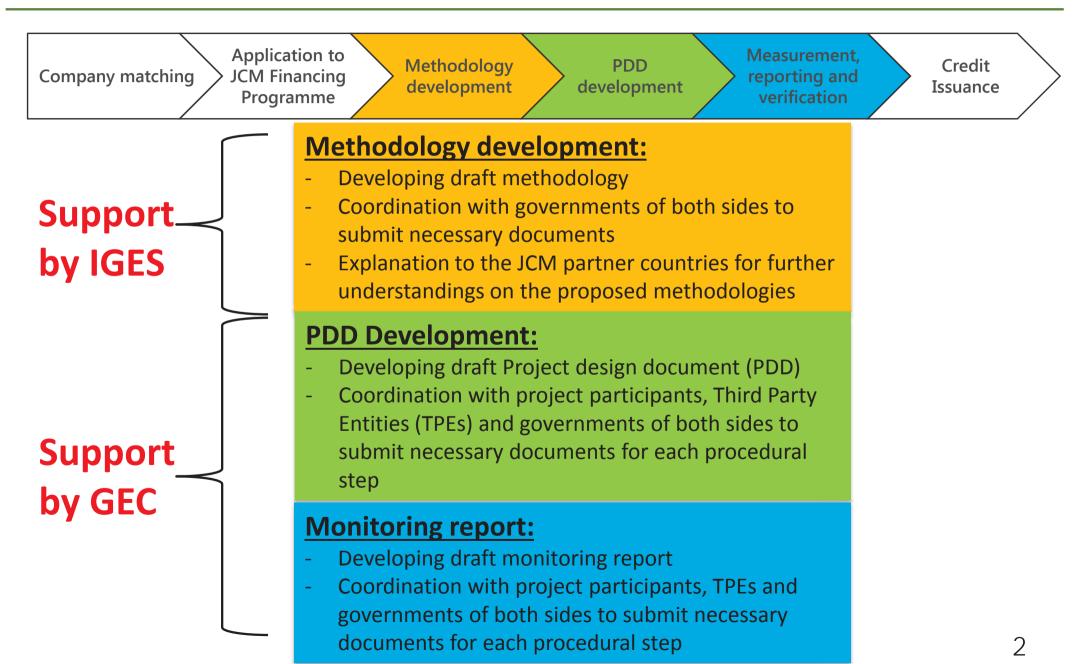
# Measurement, Reporting and Verification (MRV) of the JCM

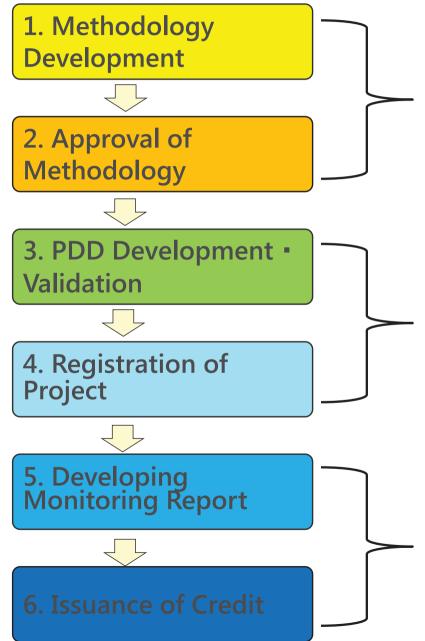
Kentaro Takahashi Programme Manager Climate and Energy Area Institute for Global Environmental Strategies (IGES)



### **Overview of JCM MRV Support**



### Responsibility of project participants in each step



**1.**Collecting and offering data for methodology development

2.Organizing Local StakeholdersConsultation (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.

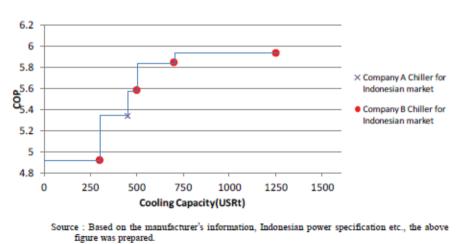


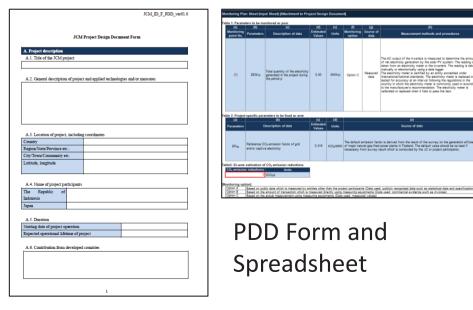
Figure 1 : COP Values of Candidate Reference Chillers

 COP values by cooling capacity were collected through investigation. The maximum value of collected COP values was adopted for reference COP.
 (Indonesia : Chiller Project)

### **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)



5

## **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.

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)



#### Photo: LSC in the JCM project (ID005)

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.

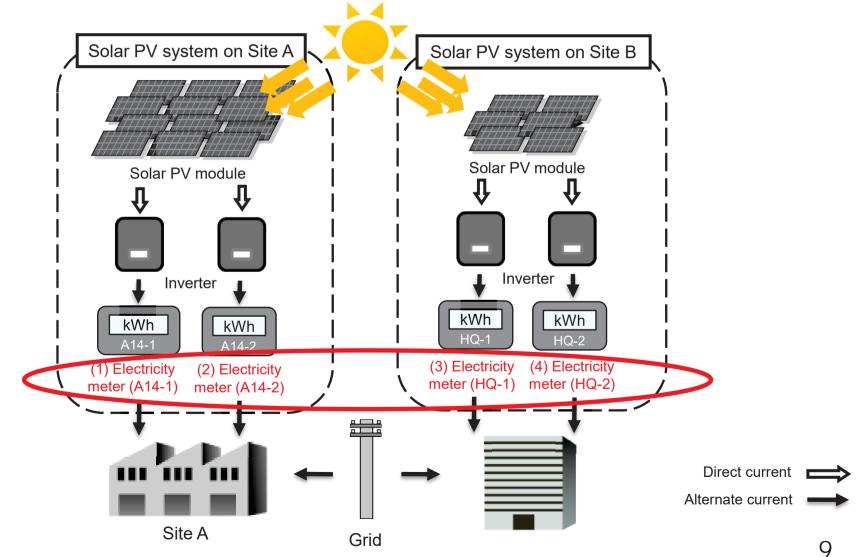
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E-mail: Direct fax:		
Tables may be added, as needed	Is this entity changing its name?	Yes (Former entity name: )

#### 4. Monitoring data Case Study: Monitoring of Solar PV Project



### Monitoring Parameter: MN\_AM003

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



Amount of allocation credit

10

# Account Number

for government

Name

ccount number

Vietnamese side

Japanese side

Total verified emission reductions and allocation of credits (tCO2e) among project participants and/or both side

Vietnamese side

Japanese side

verified Name and account number of project participants

ver04.0 (Japan- Mongolia)

Vietnamese side

Japanese side

Total

Registry

2013 2014

2019 2020 Total reduction (tCO2 equivalent)

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 Mongolian government, project participants from Japan and Mongolia.
- Since Mongolian 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.

## **5.** Allocation of issued credits

#### JCM VN F Iss Req ver02.0

Jame

Account number

Vietnamese side

Japanese side

Both side Vietnames

e side

### GES

### For further information

#### **Official JCM Webpage**

IGES

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

Content: rules and guidelines, JCM methodology, projects



### GEC website

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-creditingmechanism-jcm-database Content: details of methodologies, projects, feasibility studies

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# Thank you for your kind attention!