#### Towards sustainable development - policy oriented, practical and strategic research on global environmental issues

# IGES Capacity Building Activities for the JCM

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### **IGES Capacity Building Activities**

2003~ Dissemination and reform of the CDM
(Workshop on the CDM, technical consultation, Policy proposals to CDM EB and UNFCCC secretariat)

Program

Progress of IGES capacity building activities

#### **Database and Publication**

- Several CDM Database collaborated with UNFCCC secretariat
- CDM in Charts







#### 2011~

The Joint Crediting Mechanism and Domestic market readiness (Workshop on the JCM, Support of the designing of ETS & domestic carbon market and Research etc.)

- Country Fact Sheet
- CDM Reform paper





Policy report

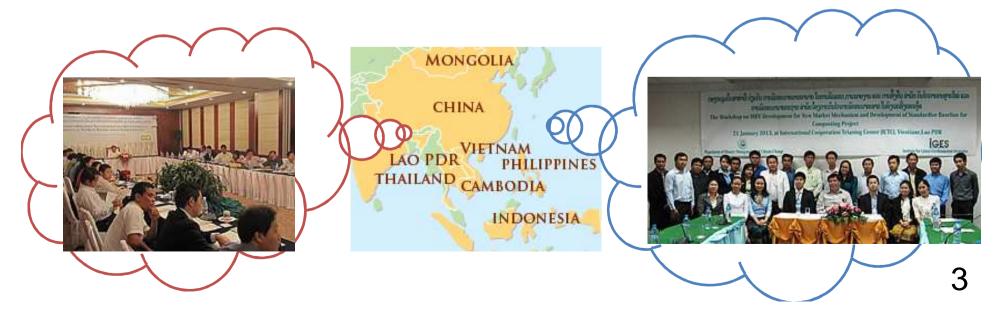




Our CB activities have operated for 10 collaborating countries.

### Capacity building activities for the JCM

- IGES supports Asian 10 countries to enhance the human resources in the host countries for JCM implementation
  - ✓ Dissemination of JCM concept through the workshop and seminar
  - ✓ Project identification under the JCM
  - ✓ Consultation on methodologies to calculate the GHG emission reductions
  - ✓ Training programme for validation and verification body



### Development of MRV methodologies

#### The JCM methodologies should:

- ➤ Be simplified, objective and practical, while lowering uncertainty and ensuring environmental integrity. (MOEJ, 2012)
- ➤ The JCM methodologies are designed in such a way that project participants can use them easily and verifiers can verify the data easily. (MOEJ, 2013)

Development of MRV methodology 2012-2013

Countries	Sectors
Cambodia	Biomass (Rice husk)
Lao PDR	Waste (Composting)
Mongolia	Fuel switch (Bio diesel)
Viet Nam	Energy efficiency





Utilize those experience for IGES capacity building programme and project identification

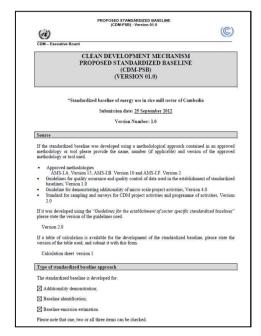
## CDM experience Submission of standardized baseline

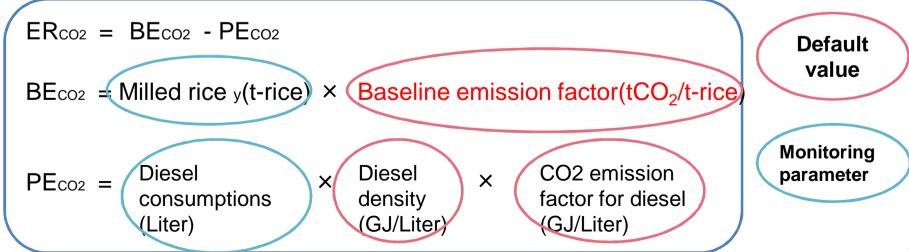
➤IGES supported the development of "standardized baseline (SB) of energy use in rice mill sector of Cambodia" in cooperation with Ministry of the Environment Cambodia.

□AMS-I.B. – More than **seven** parameters should be monitored



Two parameters





# IGES support for calculation of grid emission factor

#### Cambodia

Phnom Penh Electricity Grid

#### Philippine

Luzon-Visayas Grid and Mindanao
 Grid

#### Mongolia

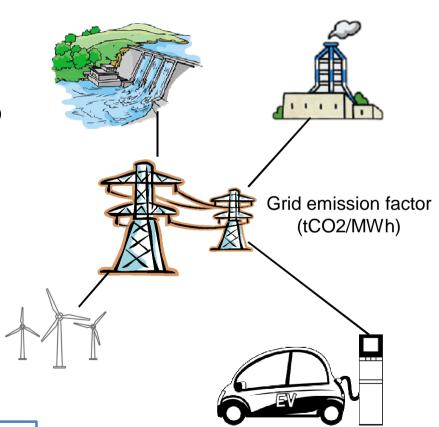
Ulaanbaatar Grid

#### Lao PDR

Lao National Grid



GEFs can be utilized for any mechanisms other than the CDM



# Validation and verification training for the JCM

### Case in Mongolia

Training programme for validation and verification body

- ISO14064-3

Training programme for accreditation body

- ISO14065



Potential third party entity in Mongolia



Mongolian Agency for Standardization and Meteorology (MASM)

ISO-14064-3: Greenhouse gases -- Part 3: Specification with guidance for the validation and verification of greenhouse gas assertions
ISO-14065: Requirements for greenhouse gas validation and verification bodies for use in accreditation or other forms of recognition

## Capacity building programme from general matters to technical support

**Business (Private sector)** Area3 Area 4 Dissemination of information Consultation on PDD/ on finance incentive methodology Project identification Training of validation and verification practice **Technical support** Raising awareness Introduction of policy instrument Establishment of default values Dissemination of status of Consultation on criteria for projects international negotiations

Area1

Policy (Central/local government)

Area 2

# JCM financial support for the implementation

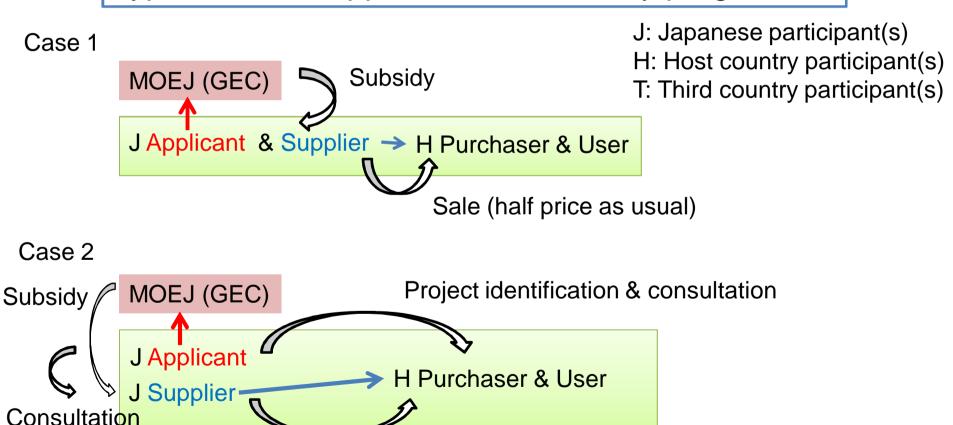
The Japanese participant(s) can apply for:

- 1. MOEJ (GEC):
- ➤ Subsidy scheme, ≤ half of the initial installation cost of the equipment
- Overall budget for FY 2013: 1.2 bil. JPY
- 2. METIJ (NEDO):
- Purchase back scheme, (NEDO could pay the total cost for the equipment & MRV, ≤ 1 bil. JPY per a project, and the participant should purchase the equipment at its residual value (discounted value)
- Overall budget for FY 2013: 3.5 bil. JPY



## Japanese technologies are main target of the JCM

Typical cases supposed in the subsidy program



Sale (half price as usual)

### But technologies from host countries/ third party can apply the JCM

Case 3

MOEJ (GEC)

Subsidy

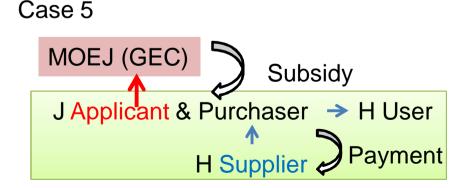
J Applicant & Purchaser → H User

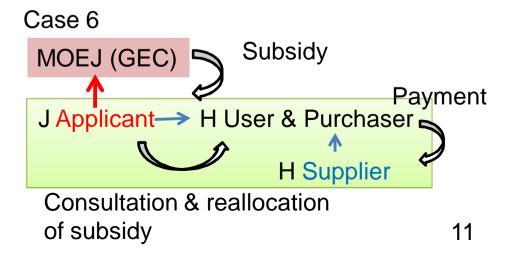
T Supplier

Consultation & reallocation T Supplier

of subsidy

Similar to "Unilateral project"





# Lessons learned from JCM capacity building activities

- Under the JCM, host countries would be able to enhance basic capacity of baseline and crediting scheme.
- Participants in the JCM can fully utilize their experience from the CDM
- The potential JCM projects in FY 2013 was to promote efficient energy use in host countries.
- Finding appropriate Japanese counter part is key step to apply the JCM