

# **Japan's support to realize "Leapfrog" Low Carbon Development in Asian Cities**

Ministry of the Environment, JAPAN

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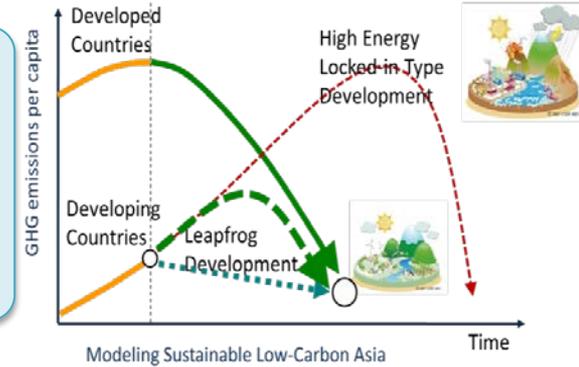
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# (1) Japan's New Support Program Enabling "Leapfrog" Development

## Objective

- To support **developing countries to leapfrog to low carbon societies** with Japan's knowledge, experience, technology, human capital and finance by utilizing **JCM (Joint Crediting Mechanism)**, with establishing the concept of a **"human society that harmonizes and enriches the environment and life"** as a new paradigm for the 21st century.



## Scheme

Achieving "Leapfrog" Development through creation of low carbon society in Asia-Pacific.

Knowledge,  
Experience,  
Technology,

(Participation of  
Various Stakeholders)

Research Institutes,  
Universities, Local  
governments

Developing  
Countries

MOE

Capacity Building

(Improvement of  
environment law)

Identifying  
Development needs

Establishing  
business models

Financial  
Support

(Cooperation with  
**JICA** and **ADB**)

Key target countries (tentative): Developing countries in Asia-Pacific,  
such as Indonesia, Vietnam, Myanmar, Mongolia and Palau

Subject area

Environmentally Sustainable Cities

### Energy Saving and Renewable

- ✓ Photovoltaic
- ✓ Wind
- ✓ Micro hydro
- ✓ Marine energy
- ✓ Biomass
- ✓ Independent distributed power
- ✓ Battery, HEMS
- ✓ Smart meter
- ✓ Waste heat recovery
- ✓ ESCO Project
- ✓ Inverter
- ✓ Heat pump

### Transport

- ✓ Public transportation system
- ✓ Electric bike and vehicle
- ✓ Logistics and traffic flow measure

### Waste management

- ✓ Incinerator
- ✓ Separate collection
- ✓ Compost
- ✓ Landfill

### Water treatment

- ✓ Water supply
- ✓ Sewage system
- ✓ Water saving device

## (2) Joint Crediting Mechanism (JCM)

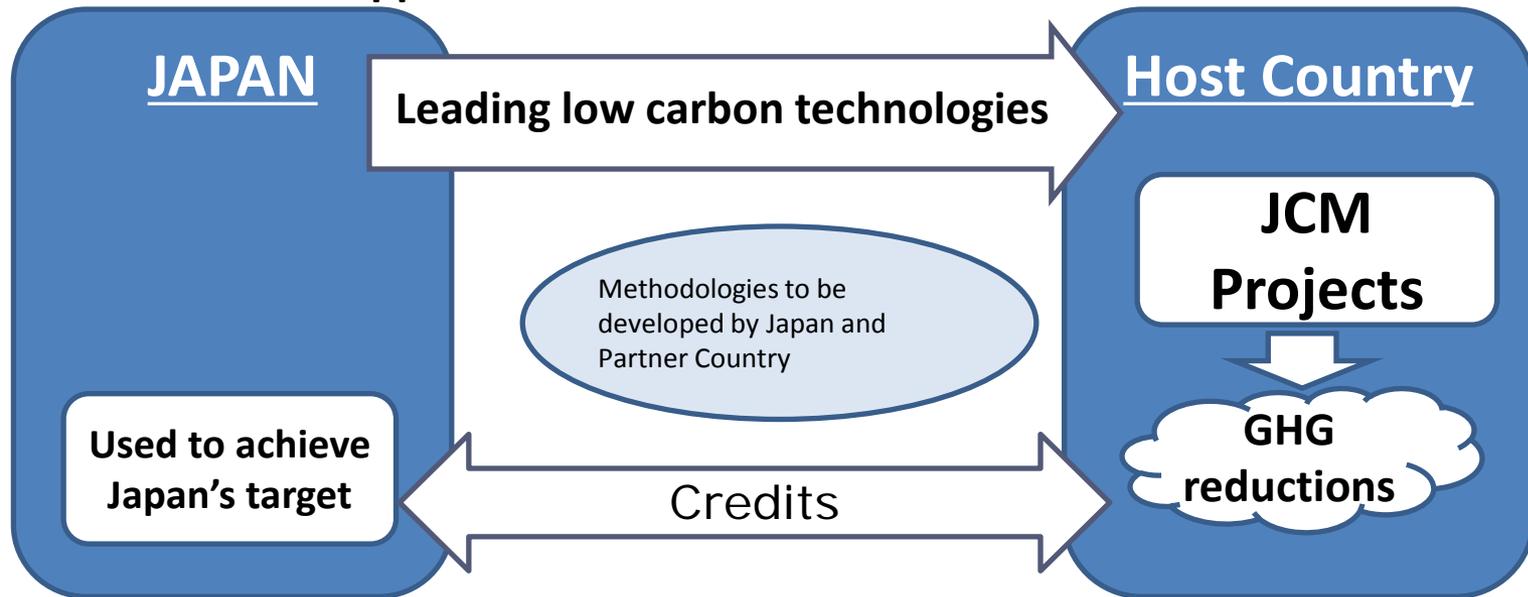
### Purpose of JCM

- To facilitate diffusion of low carbon technologies
- To evaluate GHG emission reductions
- To contribute to the ultimate objective of the UNFCCC

### Advantage of JCM

(Compliment to CDM)

- Maintaining simplicity and practicality based on the rules and guidelines
- Applied to broader areas with co-benefits, including energy saving, transport, wastewater and waste management
- Applied to various countries



Signatory Countries

Mongolia, Bangladesh, Ethiopia, Kenya, Maldives, Viet Nam, Lao PDR, Indonesia

