

# Introduction of the JCM and Business Opportunities for the Private Sector

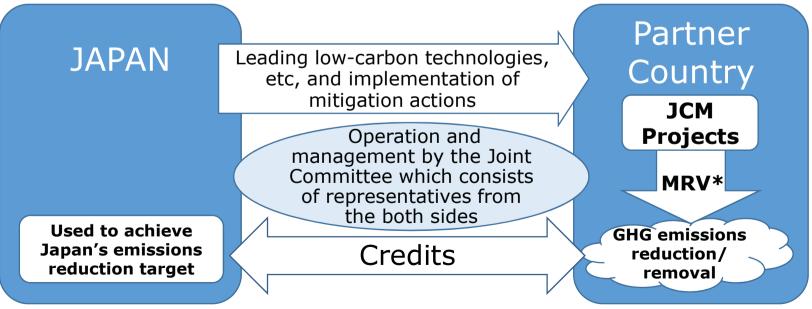
January 28, 2020

Ministry of the Environment ,Japan





- 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 from Japan to GHG emissions reduction or removal in a quantitative manner and use them to achieve Japan's emissions reduction target.
- Contributing to the ultimate objective of the UNFCCC by facilitating global actions for GHG emissions reduction or removal.



\*measurement, reporting and verification



Japan has held consultations for the JCM with developing countries since 2011 and has established the JCM with Mongolia, Bangladesh, Ethiopia, Kenya, Maldives, Viet Nam, Lao PDR, Indonesia, Costa Rica, Palau, Cambodia, Mexico, Saudi Arabia, Chile, Myanmar, Thailand and the Philippines.



<u>Mongolia</u> Jan. 8, 2013 (Ulaanbaatar)



Bangladesh Mar. 19, 2013 (Dhaka)



<u>Ethiopia</u> May 27, 2013 (Addis Ababa)



<u>Kenya</u> Jun. 12, 2013 (Nairobi)



<u>Maldives</u> Jun. 29, 2013 (Okinawa)



<u>Viet Nam</u> Jul. 2, 2013 (Hanoi)



Lao PDR Aug. 7, 2013 (Vientiane)

Saudi Arabia

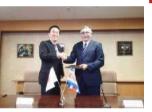
May 13, 2015



Indonesia Aug. 26, 2013 (Jakarta)



<u>Chile</u> May 26, 2015 (Santiago)



<u>Costa Rica</u> Dec. 9, 2013 (Tokyo)



<u>Myanmar</u> Sep. 16, 2015 (Nay Pyi Taw)



<u>Palau</u> Jan. 13, 2014 (Ngerulmud)



<u>Thailand</u> Nov. 19, 2015 (Tokyo)



<u>Cambodia</u> Apr. 11, 2014 (Phnom Penh)



Philippines Jan. 12, 2017 (Manila)



<u>Mexico</u> Jul. 25, 2014 (Mexico City)

## The Joint Crediting Mechanism (JCM)

- > Facilitating diffusion of leading low-carbon technologies through contributions from Japan and evaluating realized GHG emissions reduction or removal in a quantitative manner to use them for achieving Japan's emissions reduction target.
- > Japan will address the high initial cost barrier of introducing advanced low-carbon technologies in the Partner countries (17 countries) through the JCM (GoJ implements several supporting schemes)



Waste heat recovery in Cement Industry, JFE engineering, Indonesia



Eco-driving with Digital Tachographs, NITTSU, Vietnam



Energy saving at convenience stores. Panasonic, Indonesia



High-efficiency air-conditioning High-efficiency Heat only and process cooling. Ebara refrigeration equipment & systems, Indonesia



Boilers, Suuri-Keikaku, Mongolia



Upgrading air-saving loom at textile factory, TORAY etc., Indonesia, Thai, Bangladesh



Installing solar PV system. PCKK. Palau Maldives



Amorphous transformers in power distribution. Hitachi Materials, Vietnam





Co-generation system at factory, Toyota, Nippon Steel & Sumikin Engineering, Indonesia, Thai



Regenerative Burners in industries. Tovotsu Machinery, Indonesia



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High-efficiency airconditioning system, Hitachi, Daikin, Vietnam



LED street lighting system with wireless network control. MinebeaMitsumi, Cambodia



Solar power ,Farmdo Co., Ltd., Mongolia



Waste to Energy Plant, JFE engineering, Myanmar

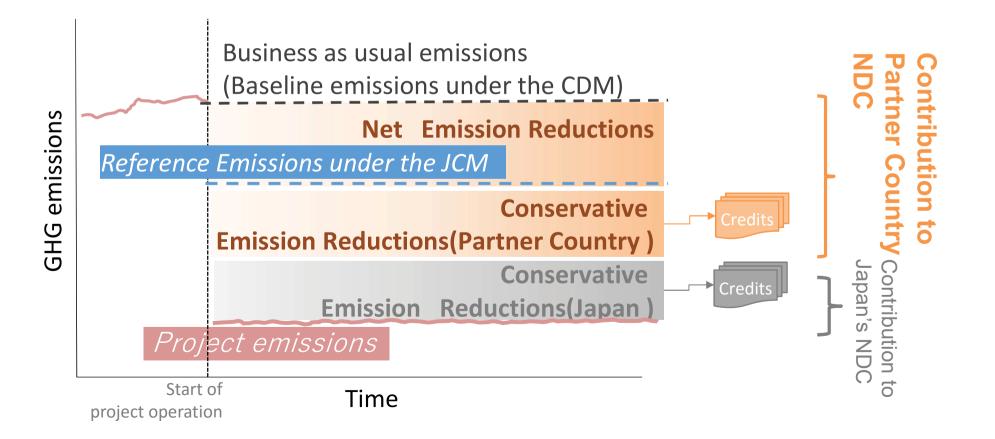


refrigerator, Mayekawa

MFG, Indonesia



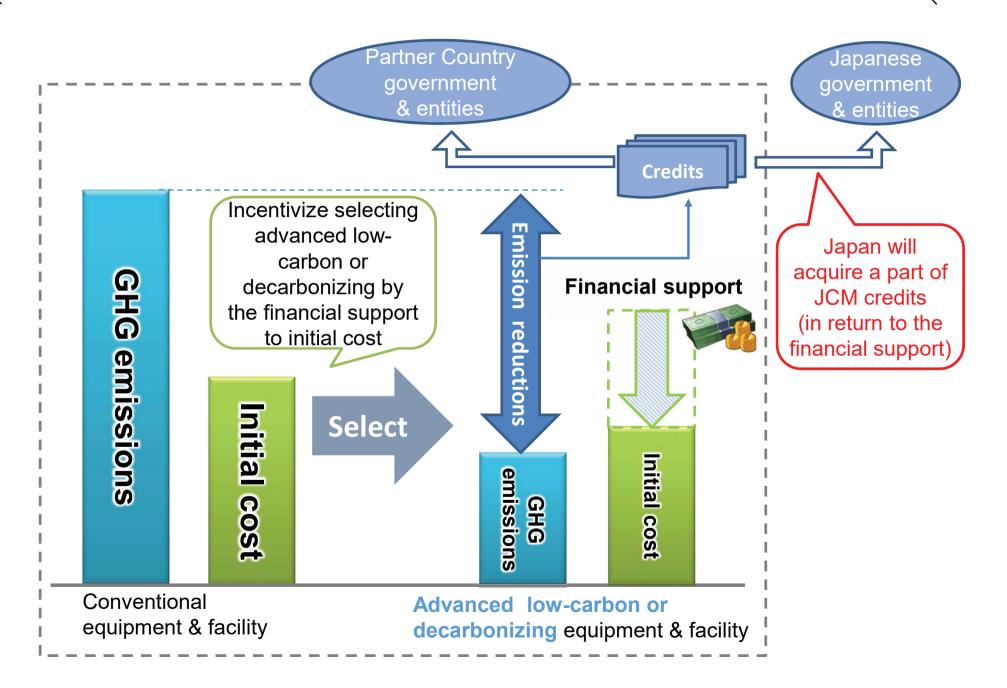
- JCM's conservative emissions reduction calculation (reference emissions below BaU emissions) will ensure a net decrease and/or avoidance of GHG emissions.
- This part of emissions reduction will automatically contribute to the achievement of NDC.



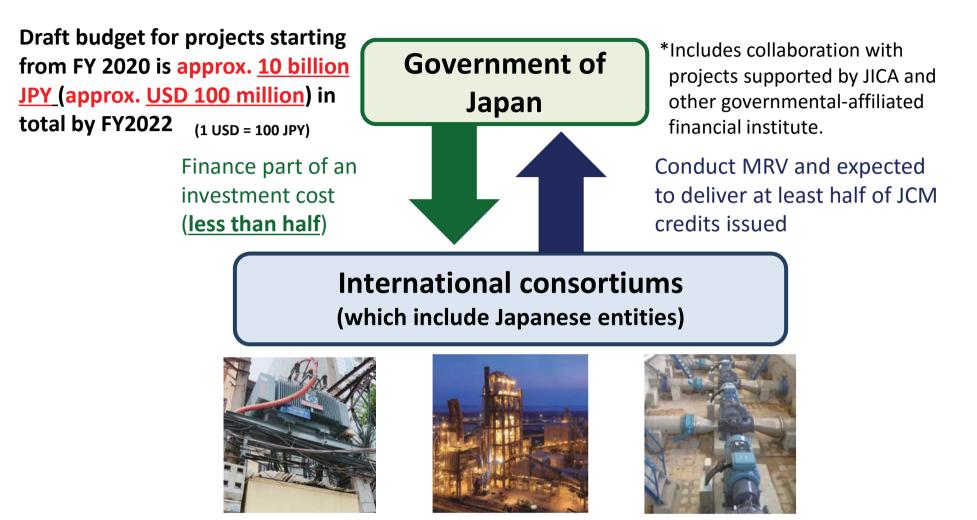
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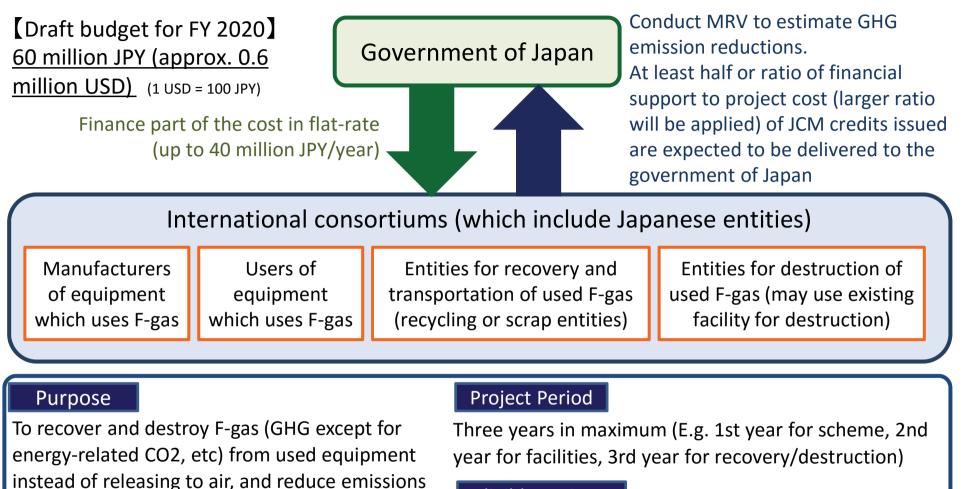






- Scope of the financing: facilities, equipment, vehicles, etc. which reduce CO<sub>2</sub> from fossil fuel combustion as well as construction cost for installing those facilities, etc.
- Eligible Projects : starting installation after the adoption of the financing and finishing installation within three years.





#### Scope of Financing

- •Establish scheme for recovery and destruction
- Install facilities/equipment for recovery/destruction
- •Implementation of recovery, transportation, destruction and monitoring

### **Eligible Projects**

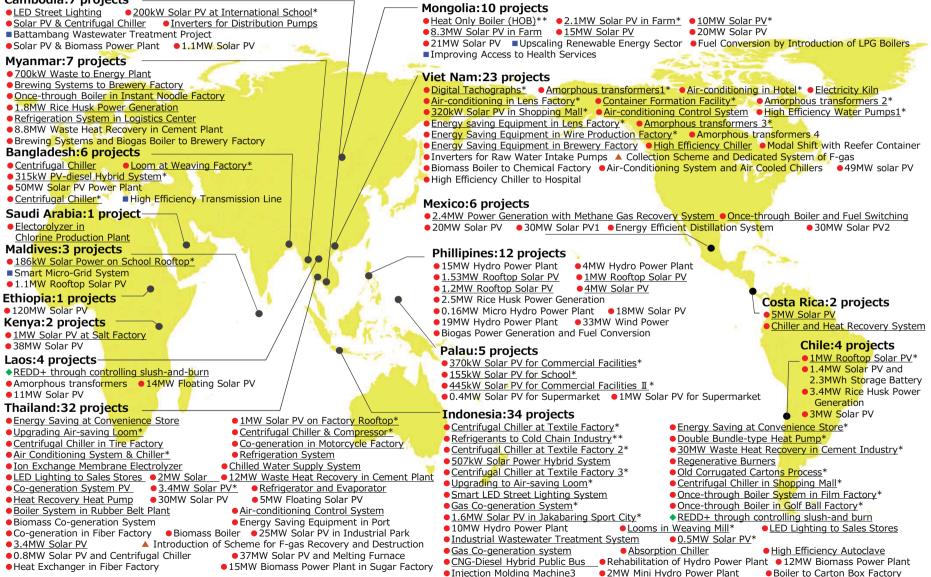
- •After the adoption of financing, start implementation of recovery/destruction within three years
- •Aim for the registration as JCM project and issuance credits



 Total 159 projects (● Model Project: 150projects, ■ ADB: 5 projects, ◆ REDD+: 2 projects, ▲ F-gas: 2 projects) Other 1 project in Malaysia

 95underlined projects have been started operation.
 48 projects with \* have been registered as JCM projects.

#### Cambodia:7 projects



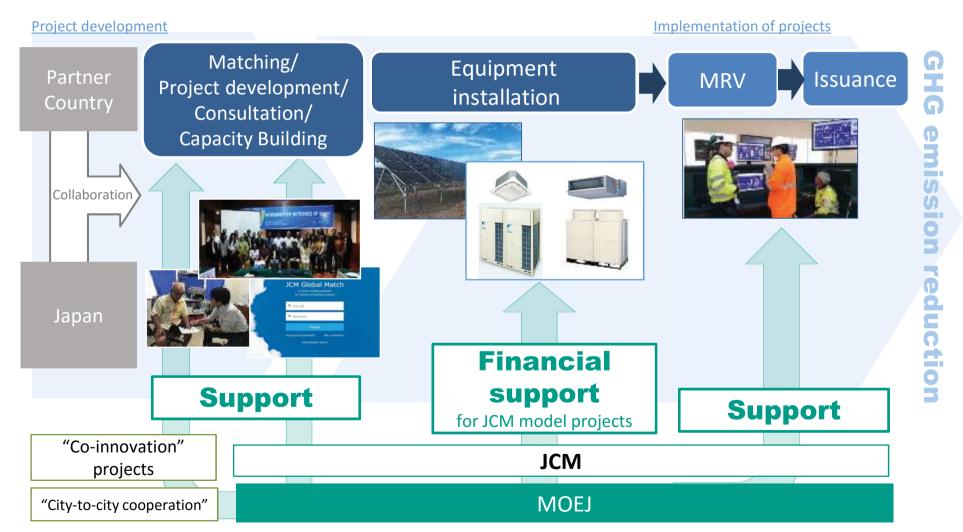
10MW Hydro Power Plant

6MW Hydro Power Plant

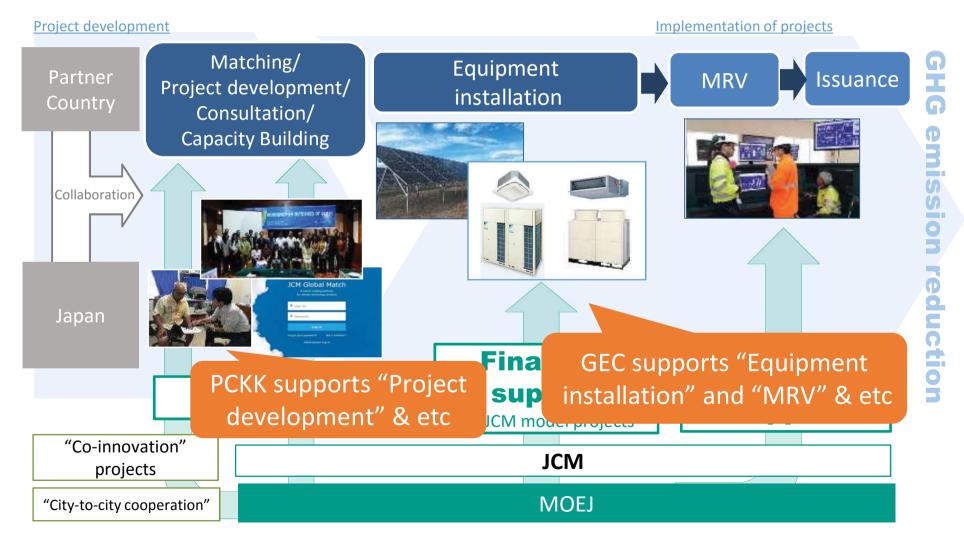


JCM <m< th=""><th>ain actors at each pro</th><th>cess&gt; CDM</th></m<>	ain actors at each pro	cess> CDM
Project Participant / Each Governmen Joint Committee	nt Submission of Proposed Methodology	Project Participant
Joint Committee	Approval of Proposed Methodology	CDM Executive Board
Project Participant	Development of PDD	Project Participant
Third Party Entities	Validation	Designated Operational Entities (DOEs)
Joint Committee	Registration	CDM Executive Board
Project Participant	Monitoring	Project Participant
Third Party Entities	Verification	DOEs
		CDM Executive Board
	Project Participant / Each Governmen Joint Committee Project Participant Third Party Entities Joint Committee Project Participant Third Party Entities Joint Committee	Project Participant / Each Government Joint CommitteeSubmission of Proposed MethodologyJoint CommitteeApproval of Proposed MethodologyProject ParticipantDevelopment of PDDThird Party EntitiesValidationJoint CommitteeRegistrationProject ParticipantMonitoringDint CommitteeVerificationJoint CommitteeVerificationJoint CommitteeIssuance

MOEJ provides total support for the JCM implementation from project development to issuance of JCM credits from projects.



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Thank you for your kind attention

# Asante kwa umakini wako wa fadhili

