Coordinating Ministry
for Economic Affairs
Republic of Indonesia

JCM
JOINT CREDITING MECHANISM
INDONESIA SECRETARIAT

In cooperation with:

JICA

JCM Joint Crediting Mechanism

Towards Low Carbon Development Activities in Indonesia

December 2017

Contact :

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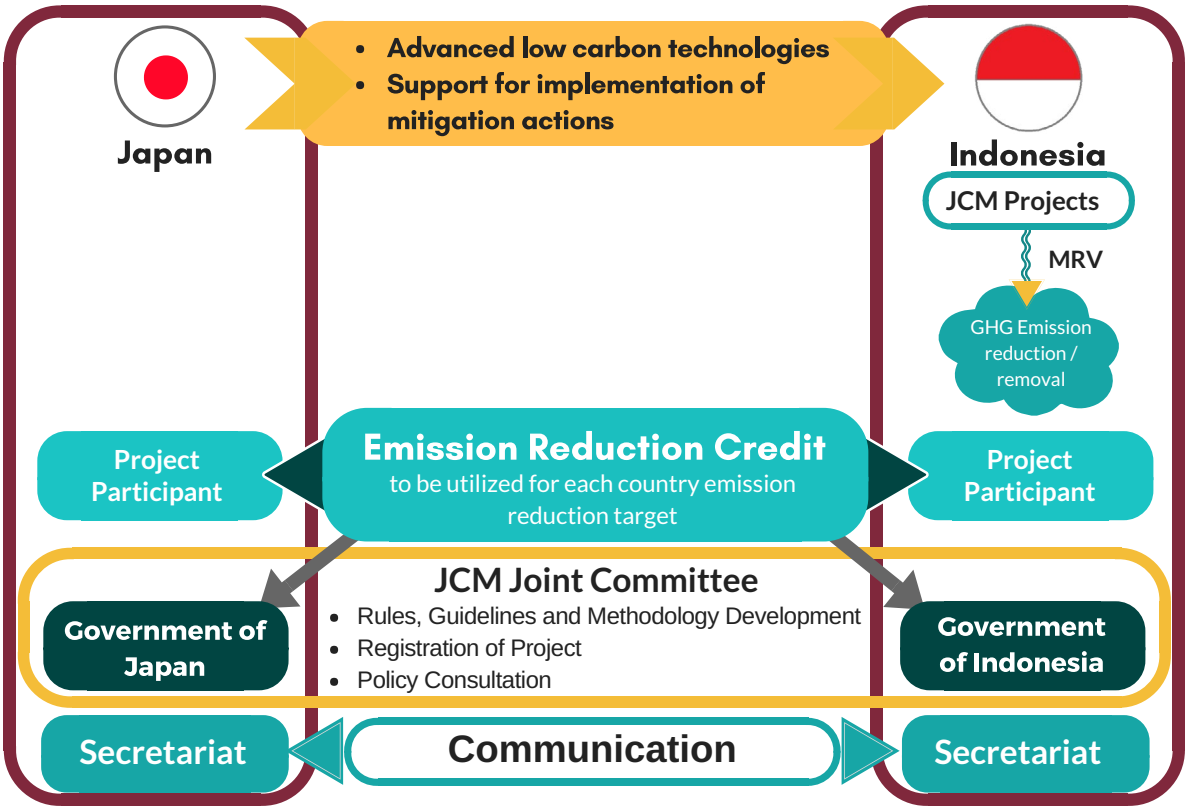
Background

A document concerning JCM, "Bilateral Cooperation on the JCM for the Low Carbon Growth Partnership between Japan and Indonesia" was signed by both Governments in August 2013. The Joint Committee is a decision maker of the JCM scheme and consists members from the related ministries of both countries. After signing of agreement, the Coordinating Ministry for Economic Affairs launched JCM secretariat which has functioned to facilitate JCM project appraisal, registration and credit issuance in 2014. In the same year, the first JCM project was registered in Indonesia which was also the first one in the world. In 2016, the Joint Committee approved the first credit issuance from 2 registered projects in Indonesia

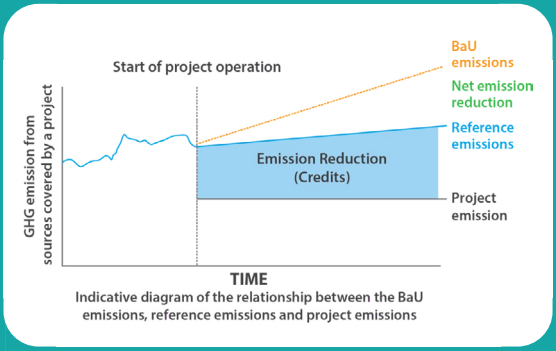
Concept of JCM



Purpose of the JCM

- 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 contribution from Japan to GHG emission reductions or removals in a quantitative manner, by applying measurement, reporting, and verification (MRV) methodologies, and using them to achieve Japan's emission reduction target
- Contributing to the ultimate objective of the UNFCCC by facilitating global actions for GHG emission reductions or removals, complementing the Clean Development Mechanism (CDM).

MRV Methodology



Indicative diagram of the relationship between the BaU emissions, reference emissions and project emissions

The reference emissions are calculated below or at least on the same level as the business as usual (BaU) emissions, by conservatively estimating/identifying plausible emission or by other methods determined in the methodologies approved by the Joint Committee.
The net emission reductions from JCM projects are accounted as Indonesia's domestic emission reductions. Methodology update and public comments are available on http://jcm.ekon.go.id.

Features of the JCM

Sustainable Development Implementation Plan and Report

In order to ensure contribution to sustainable development in Indonesia, project participants are required to submit Sustainable Development Implementation Plan before project registration and its Report before verification. In the Plan and Report, they are required to describe its contribution to sustainable development, such as environmental impact assessment (EIA), pollution control, biodiversity, safety and health, economy, community participation and technology.

Low Carbon Technology

JCM aims to facilitate the diffusion of the advanced low carbon technology and enhance human and institutional capacity. In addition, this scheme also adopts the leading low carbon technologies that contribute to economic development, accelerating low carbon investment and environment quality enhancement.




JCM Financing Support

Under the JCM Scheme, the Government of Japan, through the Ministry of Environment and the Ministry of Economy, Trade and Industry, have implemented several financing support programs in the forms of subsidy, grant and partial project financing for promoting JCM projects. Available JCM supports are :

- Support for feasibility study
- Financing support for project development and implementation to finance a part of investment cost and project cost
- Capacity building

More Information about the JCM financing support program can be found at JCM website : **http://jcm.ekon.go.id.**

UNFCCC : United Nations Framework Convention on Climate Change
GHG : Greenhouse Gases
TPE : Third Party Entities
PDD: Project Design Document
MRV : Measuring, Reporting, and Verification
REDD+ : Reducing Emissions from Deforestation and Forest Degradation in Developing Countries

Project Cycle of the JCM

*Validation and verification can be conducted by the same TPE simultaneously

Sectoral Scope

Ongoing JCM Project *(as of December 2017)*

1. Power Generation by Waste-heat Recovery in Cement Industry
2. 500 KW Installation of Solar Power System and Storage Battery to Commercial Facility
3. Energy Saving through Introduction of Regenerative Burners to the Aluminum Holding Furnace of the Automative Components Manufacturer
4. Reducing GHG Emission at Textile Factory by Upgrading to Air-saving Loom
5. Introduction of High Efficienct Old Corrugated Cartons Process at Paper Factory
6. Energy Saving for Industrial Park with Smart LED Street Lighting System
7. Introduction of High-efficiency Once-through Boiler System in Film Factory
8. Installation of Gas Co-generation System for Automobile Manufacturing Plant
9. Introduction of High Efficiency Once-through Boiler and RO Pure Water System in Golf Ball Factory
10. 1.6 MW Solar PV Power Plant Project in Jakabaring Sport City
11. Introduction of High-efficiency Looms in Weaving Mill
12. Energy Saving for Industrial Wastewater Treatment System for Rubber Industry
13. 10 MW Mini Hydro Power Plant Project in North Sumatera
14. Introduction of LED Lighting to Sales Stores
15. Roof Top Self Consumption Solar Power Generation Project for Food Ingredients and Aroma Ingredients Factory, Indonesia
16. Introduction of Gas Co-generation System by Absorption type refrigerating system and PV System in Large Shopping Mall in Indonesia
17. Co-generation System and Absorption Chiller to Motor Parts Factory
18. Introduction of Absorption Chiller to Chemical Factory
19. REDD+ Project in Boalemo District
20. Energy Saving by Optimum Operation at Oil Refinery
21. Utility Facility Operation Optimization Technology
22. The Low Carbonization of Mobile Communication's BTS (Base Transceiver Station) by the Introduction of "TRIBRID system" in Indonesia
23. Energy Saving for Air-Conditioning and Process Cooling by Introducing High-efficiency Centrifugal Chiller REGISTERED
24. Energy Saving for Air-Conditioning at Textile Factory by Introducing High Efficiency Centrifugal Chiller in Karawang, West Java REGISTERED
25. Energy Saving for Air-Conditioning at Textile Factory by Introducing High-effiency Centrifugal Chiller in Batang, Central Java (Phase 2) REGISTERED
26. Installation of Inverter-type Air Conditioning System, LED Lighting and Separate Type Fridge Freezer Showcase to Grocery Stores in Republic of Indonesia REGISTERED
27. Introducing double-bundle modular electric heat pumps at AXIA SOUTH CIKARANG Tower 2 REGISTERED
28. Energy Saving for Air-conditioning at Shopping Mall with High Efficiency Centrifugal Chiller REGISTERED
29. Project of Introducing High Efficiency Refrigerator to a Food Industry Cold Storage in Indonesia REGISTERED credit issued
30. Project of Introducing High Efficiency Refrigerator to a Frozen Food Processing Plant in Indonesia REGISTERED credit issued