

Development of Projects

Asia-Pacific Climate Week 2018

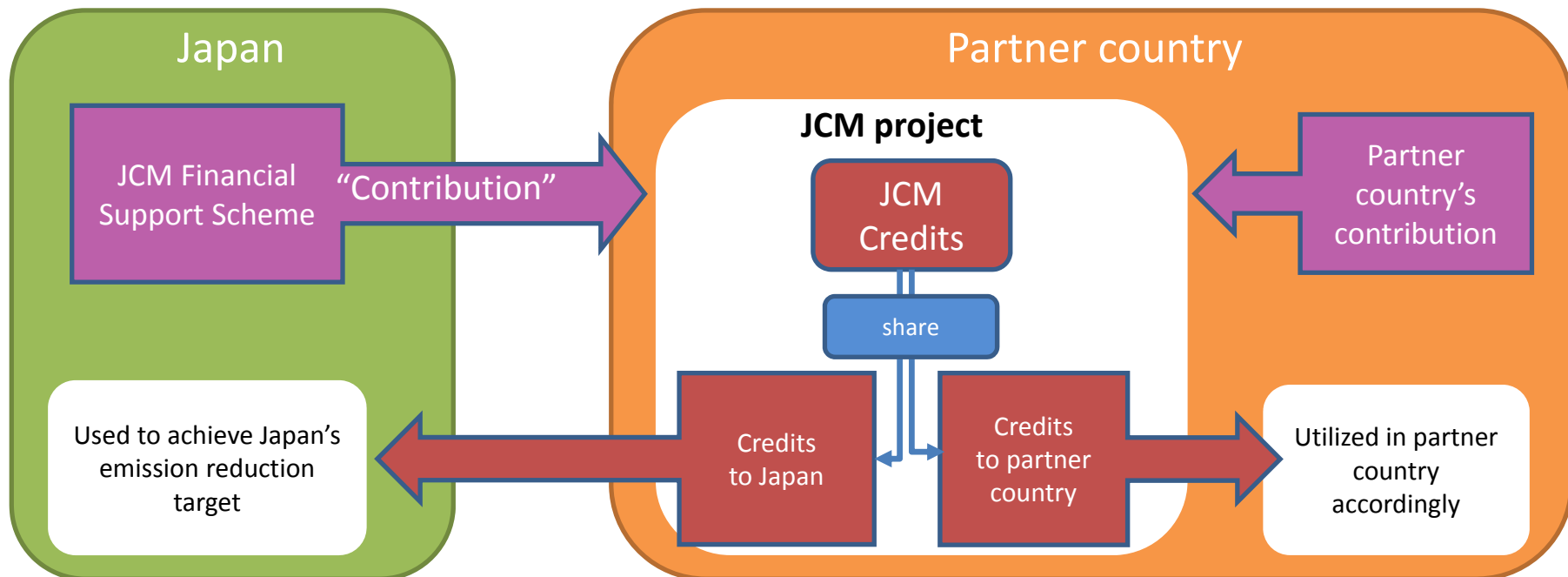
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The Joint Crediting Mechanism (JCM)

- Facilitates greenhouse gas emissions reduction/removal projects by companies, cities, etc. in partner countries.
- As a result of emission reductions, “JCM credits” will be issued and utilized to achieve Japan’s emission reduction target and may be utilized in partner countries.
- JCM Financial Support from Japanese government is available.



JCM partner countries



Mongolia
Jan. 8, 2013
(Ulaanbaatar)



Bangladesh
Mar. 19, 2013
(Dhaka)



Ethiopia
May 27, 2013
(Addis Ababa)



Kenya
Jun. 12, 2013
(Nairobi)



Maldives
Jun. 29, 2013
(Okinawa)



Viet Nam
Jul. 2, 2013
(Hanoi)



Lao PDR
Aug. 7, 2013
(Vientiane)



Indonesia
Aug. 26, 2013
(Jakarta)



Costa Rica
Dec. 9, 2013
(Tokyo)



Palau
Jan. 13, 2014
(Ngerulmud)



Cambodia
Apr. 11, 2014
(Phnom Penh)



Mexico
Jul. 25, 2014
(Mexico City)



Saudi Arabia
May 13, 2015



Chile
May 26, 2015
(Santiago)



Myanmar
Sep. 16, 2015
(Nay Pyi Taw)



Thailand
Nov. 19, 2015
(Tokyo)



the Philippines
Jan. 12, 2017
(Manila)

<http://japan.kantei.go.jp>

JCM Projects in operation (examples)



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 and process cooling, Ebara refrigeration equipment & systems, Indonesia



High-efficiency Heat only 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



High efficiency air-conditioning system, Hitachi, Vietnam



High efficiency air-conditioning system, Daikin, Vietnam



Waste to Energy Plant, JFE engineering, Myanmar



High efficient refrigerator, Mayekawa MFG, Indonesia

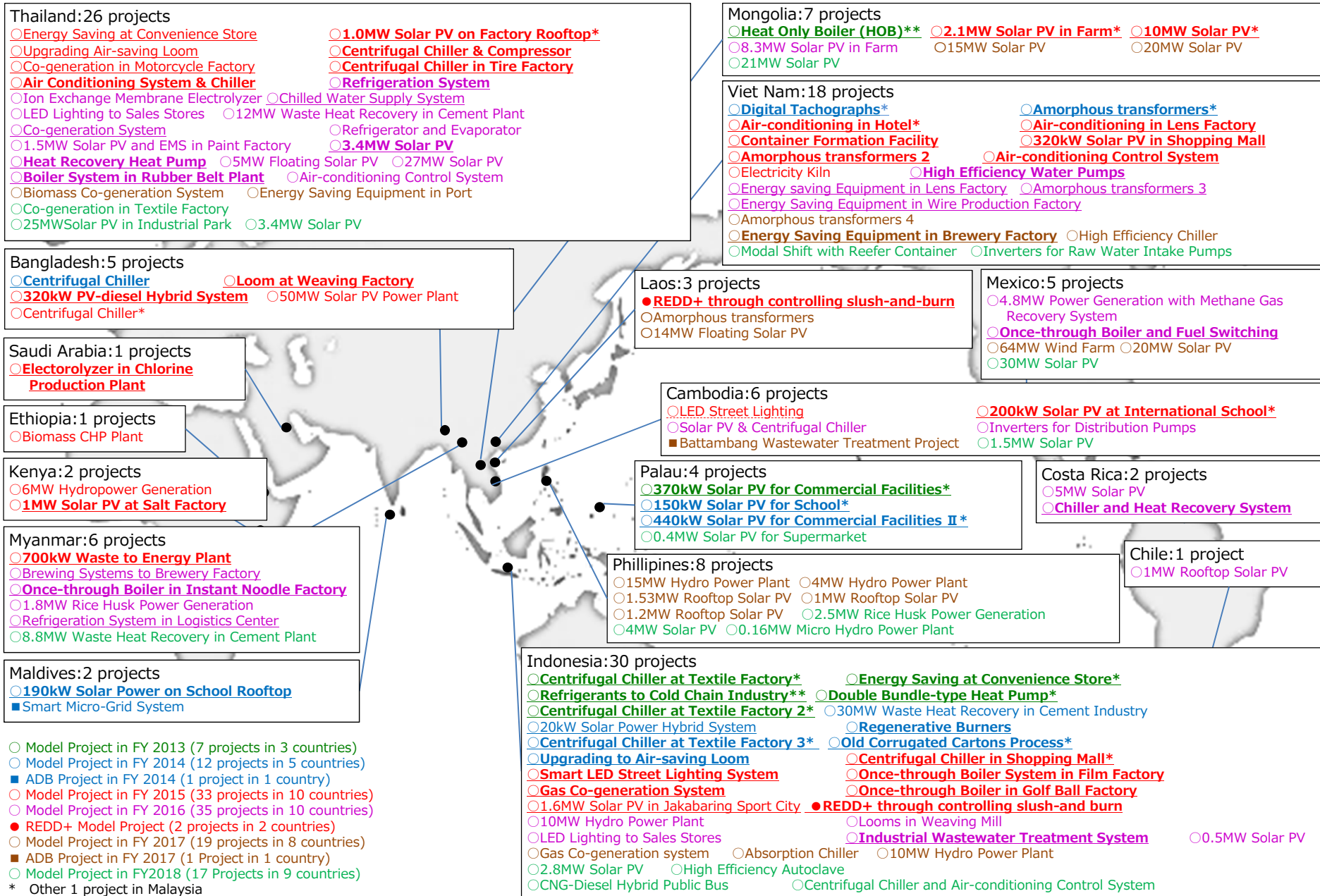


Regenerative Burners in industries, Toyotsu Machinery, Indonesia



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

JCM Financing programme by MOEJ (FY2013~2018) as of June 25, 2018



Total 127 projects in 17 partner countries

Underlined projects have started operation (68 projects, including 1 partially started projects)
Projects with * have been registered as JCM projects (25 projects)

The Plan for Global Warming Countermeasures

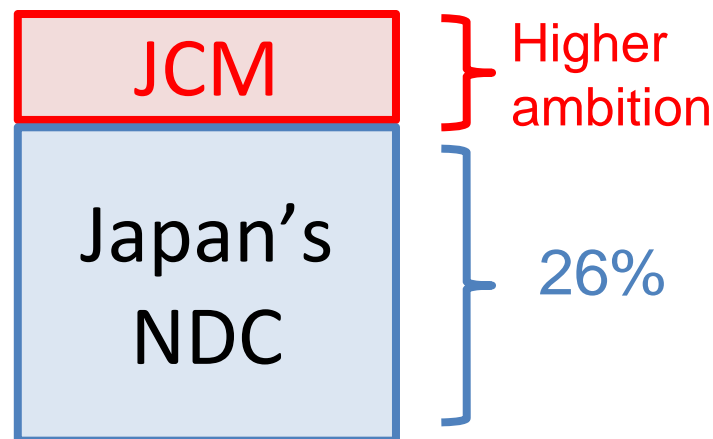
3. Policies and measures for achieving targets

JCM Chapter 3, Section 2, 2 (2)(e) Excerpt

- The government of Japan establishes and implements the “Joint Crediting Mechanism (JCM)” in order both to appropriately evaluate Japan’s contributions to GHG emission reductions or removals in a quantitative manner achieved through the diffusion of low carbon technologies, products, systems, services, and infrastructure as well as implementation of mitigation actions in developing countries, and **to use them to achieve Japan’s emission reduction target.**
- Apart from contributions achieved through the projects by private companies, accumulated emission reductions or removals **by FY2030** through governmental JCM programs to be undertaken within the government’s annual budget are estimated to be ranging from **50 to 100 million t-CO₂**

Japan's NDC and JCM

- As stated in Japan's NDC, the **26% reduction target is set based on the amount of domestic emission reductions and removals** assumed to be obtained. It is therefore anticipated that Japan will achieve the target through domestic emission reductions and removals without using international reductions and removals (credits).
- The amount of emission reductions and removals acquired by Japan under the JCM will be appropriately counted as Japan's reduction.



How do we scale up emission reductions by the JCM?

- “Scale up” for the sake of scale up, is not in line with the Paris Agreement goal.
- “Scale up” by taking low hanging fruits, will be not an option for host countries under the Paris Agreement.
- “Scale up” by aiming sectoral approach is technically not an option for crediting mechanisms.
- Promoting and identifying emission reductions induced by the JCM will be the most important.
 - ✓ For host countries, sustainable development will be promoted.
 - ✓ For investing countries, technologies will be disseminated.
 - ✓ For the global environment, additional emission reductions will be promoted.