



Recent development of JCM A6IP activities, collaboration possibilities, and future plan in ASEAN

Ministry of the Environment, Japan

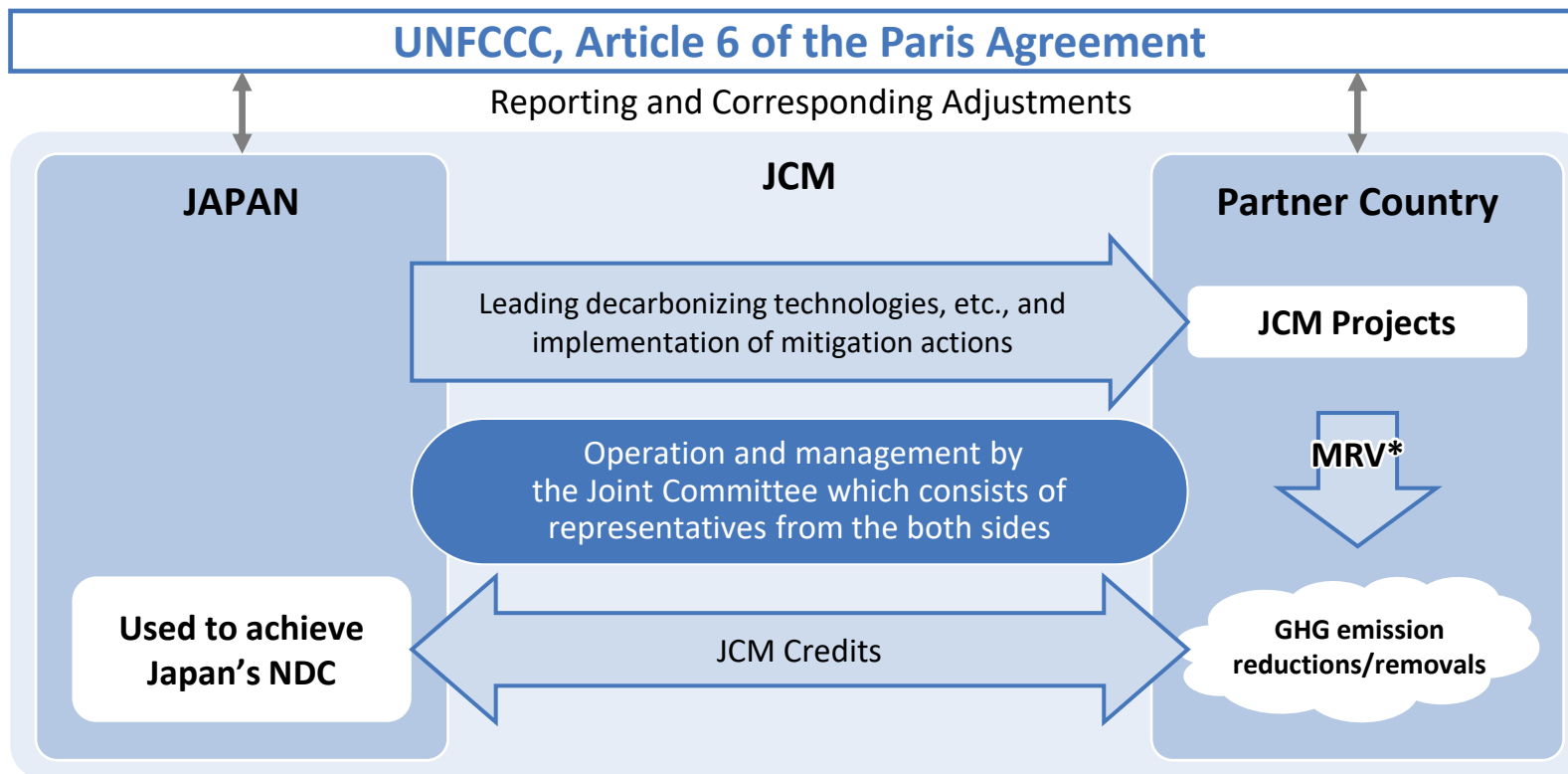
Takayuki SHIGEMATSU

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Basic Concept of JCM



- Facilitate diffusion of leading decarbonizing technologies and infrastructure, etc., through investment by Japanese entities, thereby contributing to GHG emission reductions or removals and sustainable development in partner countries.
- Contribute to the achievement of both countries' NDCs while ensuring the avoidance of double counting through corresponding adjustments.
- Implement the JCM consistent with the guidance on cooperative approaches, referred to in Article 6, paragraph 2 of the Paris Agreement.



*measurement, reporting and verification

JCM Partner Countries (27 countries)



Mongolia
Jan. 8, 201 (Ulaanbaatar)



Bangladesh
Mar. 19, 2013 (Dhaka)



Ethiopia
May. 27, 2013 (Addis Ababa)



Kenya
Jun. 12, 2013 (Nairobi)



Maldives
Jun. 29, 2013 (Okinawa)



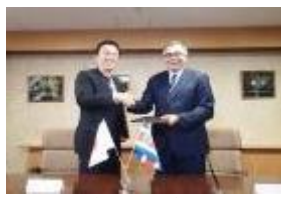
Viet Nam
Jul. 2, 2013 (Hanoi)



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)



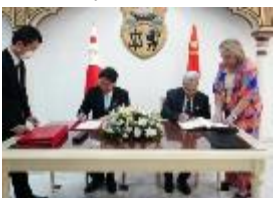
Thailand
Nov. 19, 2015 (Tokyo)



Philippines
Jan. 12, 2017 (Manila)



Senegal
Aug. 25, 2022 (Dakar)



Tunisia
Aug. 26, 2022 (Tunis)



Azerbaijan
Sept. 5, 2022 (Baku)



Moldova
Sept. 6, 2022 (Chisinau)



Georgia
Sept. 13, 2022 (Tbilisi)



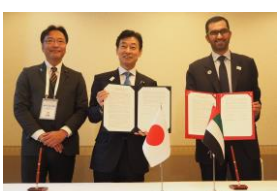
Sri Lanka
Oct. 10, 2022 (Colombo)



Uzbekistan
Oct. 25, 2022 (Tashkent)



Papua New Guinea
Nov. 18, 2022 (Sharm-el-Sheikh)



United Arab Emirates
Apr. 16, 2023 (Sapporo)



Kyrgyz Republic
July. 6, 2023 (Bishkek)

Projects supported by the JCM financing programmes



Renewable Energy



Solar power, FARMLAND Co., Ltd., Chile



Floating Solar PV, TSB Co., Ltd., Thailand



Hydro Power Plant, Toyo Energy Farm Co., Ltd., Indonesia



Biomass Co-Generation System, Fuji-Foods Corporation, Thailand



Binary Power Generation Project at Geothermal Power Plant, MHI, Ltd., Philippines

Energy efficiency [Consumer sector]



High-efficiency refrigerator, Mayekawa MFG, Indonesia



Energy saving at convenience stores, Panasonic, Indonesia



High-efficiency air-conditioning system, Hitachi, Daikin, Vietnam

Energy efficiency [Industrial sector]



Optimization in petroleum refining plant, Yokogawa Electric Corp. Indonesia



Energy-saving of mobile communications base transceiver stations, KDDI Corp. Indonesia

Energy efficiency [Urban sector]



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



Amorphous transformers in power distribution, Hitachi Materials, Vietnam

Waste



Power Generation with Methane Gas Recovery System, NTTDATA, Mexico



Waste to Energy Plant, JFE engineering, Myanmar

Transport



CNG-Diesel Hybrid Public Bus, Hokusan Co., Ltd., Indonesia

Activities related to the JCM by Government of Japan



Capacity building

- Article 6 Implementation partnership
- Secretariat work for the JCM
- Partnership for Market Implementation Facility [World Bank]
- City-to-city cooperation
- Training for TPEs



Project development

- Seminars/workshops
- JCM Global Match (biz matching website)
- Consultation with project developers/consultants
- City-to-city cooperation
- JCM Feasibility Study



Project implementation

- JCM Model Projects
- Japan Fund for the JCM [ADB]
- F-gas Recovery and Destruction Model Project
- Financial support for projects [UNIDO]
- JCM Demonstration Projects



Monitoring/evaluation

- Support for MRV (development of methodology and project design document, validation and verification by TPEs)
- Secretariat of the Joint Committee
- Support for establishment of a registry

Outreach activities through [Carbon Markets Express](#) (website)

Overview of Japan's support for the JCM partner countries



	Programme	Type of support
Ministry of the Environment	Finance Programme for JCM Model Projects*	Subsidy
	Finance Programme for F-gas Recovery and Destruction Model Projects*	Subsidy
	Japan Fund for the JCM (JF JCM) - managed by ADB	Grant
	JCM support programme by UNIDO*	Grant for projects, technical cooperation
	Project development/capacity building/MRV support	Technical cooperation
Ministry of Economy, Trade and Industry	JCM Feasibility Study	Technical cooperation
	JCM Demonstration Programme	Government-commissioned project
Forestry Agency	Field studies for JCM REDD+	Government-commissioned project

* These programmes can support projects implemented by government-owned companies but not those implemented by the government itself.

JCM Financing Programme by MOEJ (FY2013~2023) as of August 2023

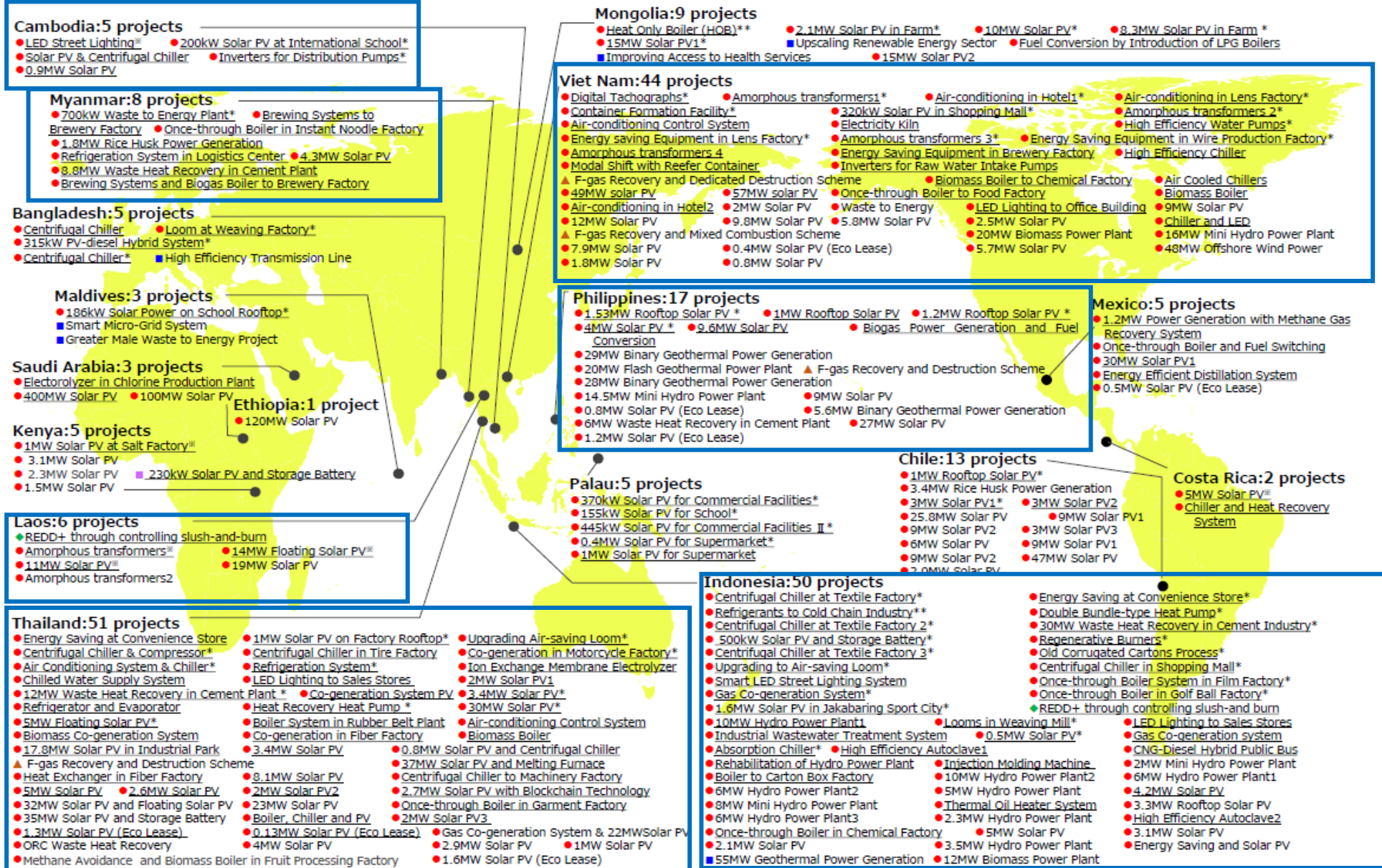


Total 232 projects (27 partner countries)

(● Model Project: 219 projects (including Eco Lease: 7 projects), ■ ADB: 6 projects, ■ UNIDO: 1 project, ◆ REDD+: 2 projects, ▲ F-gas: 4 projects)

152 underlined projects have been started operation.

71 projects with * have been registered as JCM projects.



Article 6 Implementation Partnership (A6IP)



Overview

- **Promote international collaboration for capacity building related to Article 6 of the Paris Agreement, including by sharing good practices and supporting the implementation of Article 6.**

Participants

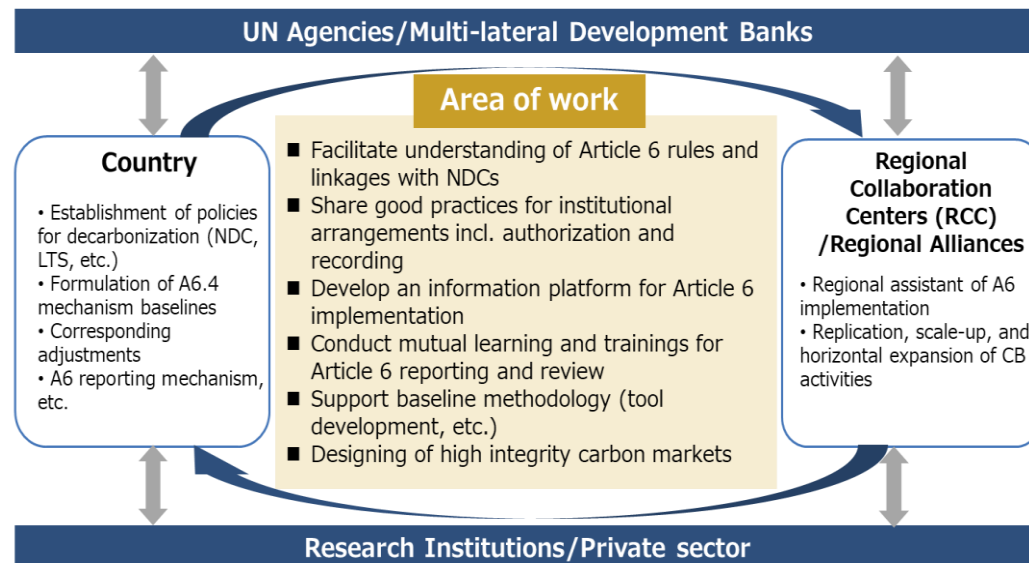
69 countries • 34 international organizations (As of August 21)

Countries
 Andorra, Argentina, Armenia, Australia, Azerbaijan, Bahamas, Bangladesh, Barbados, Belize, Bhutan, Botswana, Brazil, **Brunei**, Burundi, **Cambodia**, Canada, Chile, Costa Rica, Côte d'Ivoire, Dominican Republic, Estonia, Ethiopia, Fiji, Finland, France, Georgia, Germany, Ghana, Greece, India, Italy, Jamaica, Jordan, Kenya, Lao PDR, Maldives, Mexico, Moldova, Mongolia, Morocco, Namibia, Nepal, New Zealand, Nigeria, Pakistan, Palau, Papua New Guinea, Peru, **Philippines**, Rwanda, Saudi Arabia, Senegal, **Singapore**, Sri Lanka, Sudan, Sweden, Switzerland, **Thailand**, **Timor Leste**, Tunisia, Togo, Uganda, UAE, UK, US, Ukraine, Uzbekistan, Zambia, Zimbabwe

Organizations
ADB, AfDB, Climate Focus, C2ES, Eastern African Alliance, EBRD, ERCST, GGGI, Gold Standard, ICAT, IEA, IETA, IGES, NDC Partnership, OECC, Perspectives, UNDP, UNEP, UNFCCC, UNIDO, UNU-IAS, WB, West African Alliance, WRI, etc.

Launch event

- **Date** November 16, 2022
- **Venue** COP27 Japan Pavilion
- **Main participants (Ministerial level)** Japan, US, Germany, Italy, NZ, Singapore, Sweden, Estonia, UNFCCC secretariat, World Bank, IETA



Collaboration

Letter of Intent signed on November 16, 2022, between Mr. Nishimura, Minister of Environment, and Mr. Stiell, Executive Secretary of the UNFCCC, on collaboration under this partnership.



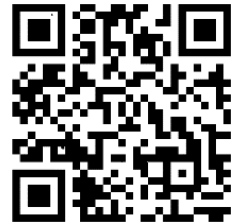
On January 26, 2023, Memorandum of Cooperation was signed between the World Bank and MOEJ on collaboration for realization of international carbon markets.

Planned Activities for “Article 6 Implementation Partnership” in 2023



Outline

- Based on the decisions on the detailed rules for implementing Article 6 at COP27, **establish thematic working groups (WG) of (1) authorization, (2) reporting, and (3) tracking**, necessary for the implementation of Article 6, and **provide supports for capacity building (CB) and institutional arrangement**, mainly targeting government officials.



Partnership
Website :
<https://A6partnership.org>

Activities

Thematic WG

1. Authorization

Support countries' authorization (capacity building to government officials, setting policies and guidelines, etc.)

2. Reporting

Support developing initial, annual, and regular reporting

3. Tracking

Support developing national registry, utilizing international registry or others

Information Platform

- Regularly share information on CB and other related events **via the mailing list**.
- Disseminate case studies and good practices through the **web-based information platform**

Technical Assistance

- Practical training and mutual learning on WG themes (Training on how to use Article 6 based on experience of JCM)
- Technical assistance on development of methodology

Private Sector

Provide capacity building

Development of High Integrity Carbon Markets in ASEAN

- Capacity building activities on Article 6 Implementation through A6IP
- Consider both bilateral and multilateral cooperation through the JCM

Utilizing Financing Tools for Decarbonization through the JCM

- Finance Programme for JCM Model Projects
- Japan Fund for the JCM (JF JCM) - managed by ADB
- Hydrogen Pilot Project
- JCM project developed by private sector

Regional Collaboration for Carbon Markets

- Information sharing on each country's domestic carbon markets