



Ministry of the Environment

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# Recent Progress of the Joint Crediting Mechanism(JCM)

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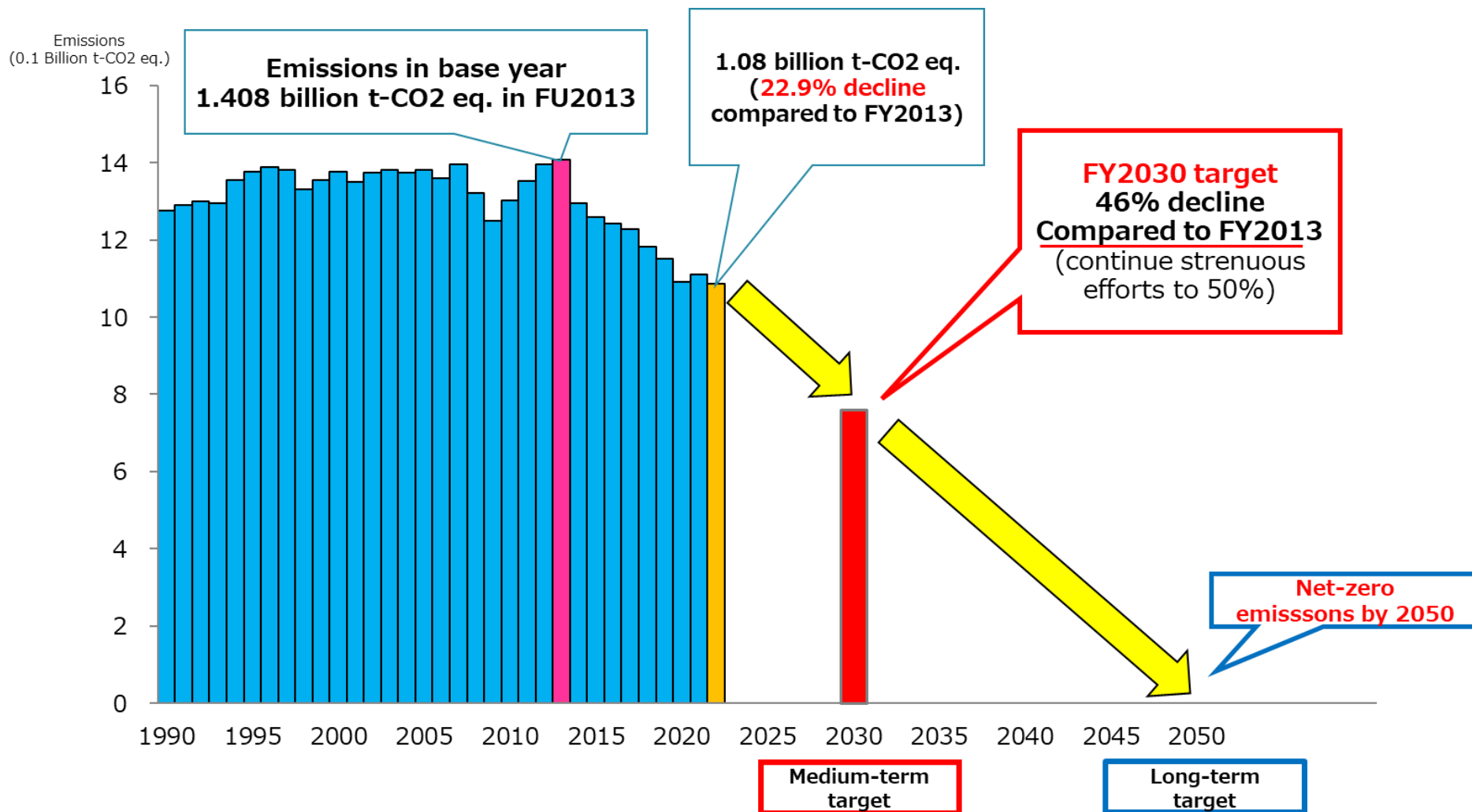
Webinar on Introduction of the Joint Crediting Mechanism (JCM)  
3 Sep 2024

Ministry of the Environment, Japan



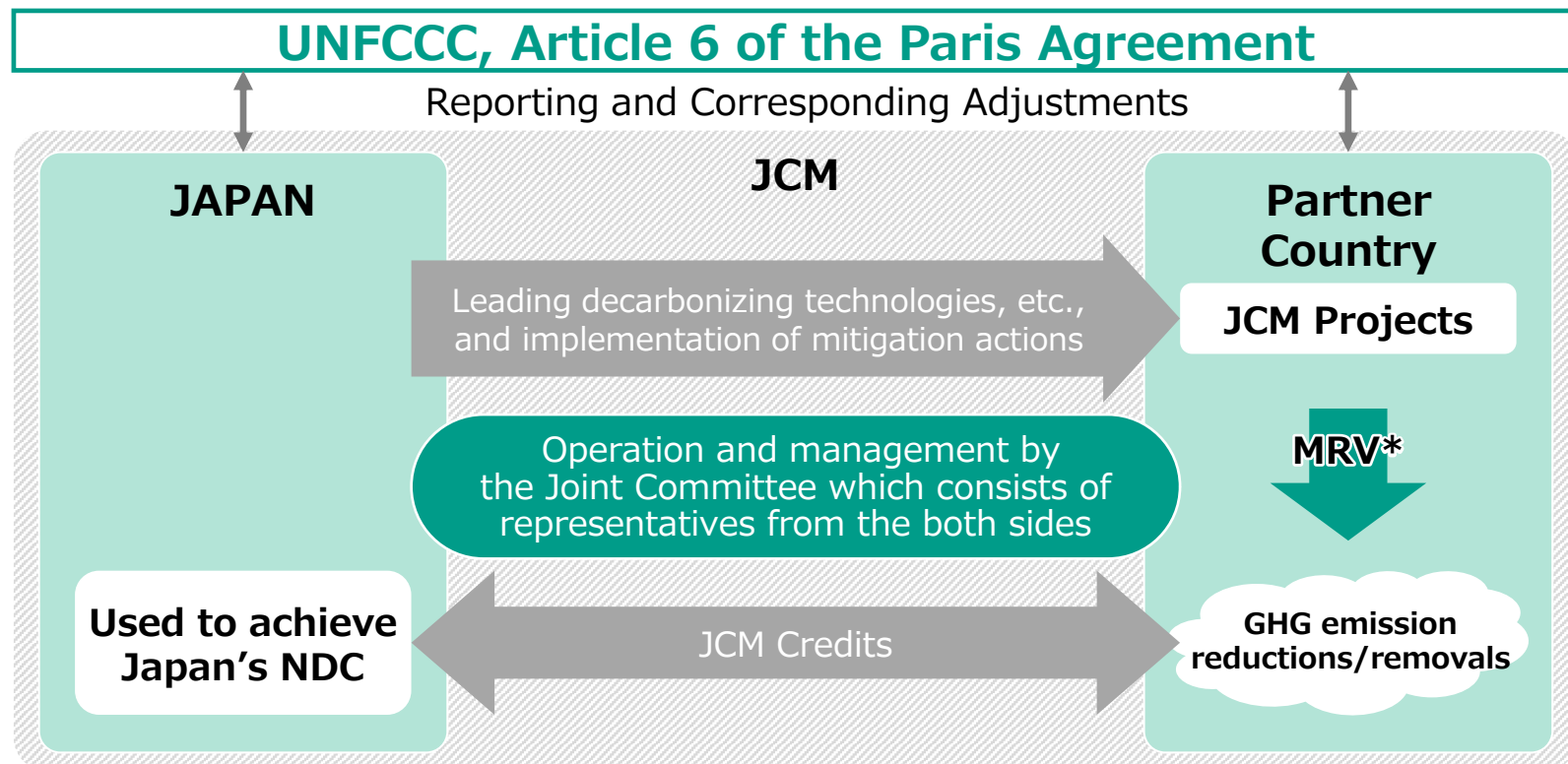
# GHG emissions and target in Japan

- ❑ **Long-term goal: Net zero emissions by 2050** compared to 2013
- ❑ **Mid-term target: 46% emission reduction by 2030** compared to 2013
- ❑ GHG emissions in 2022: 1.08 billion ton of CO<sub>2</sub> eq. (22.9% decline compared to FY2013)
- ❑ **JCM target: cumulative GHG emission reduction for 100 mil tons** of CO<sub>2</sub> eq. by 2030



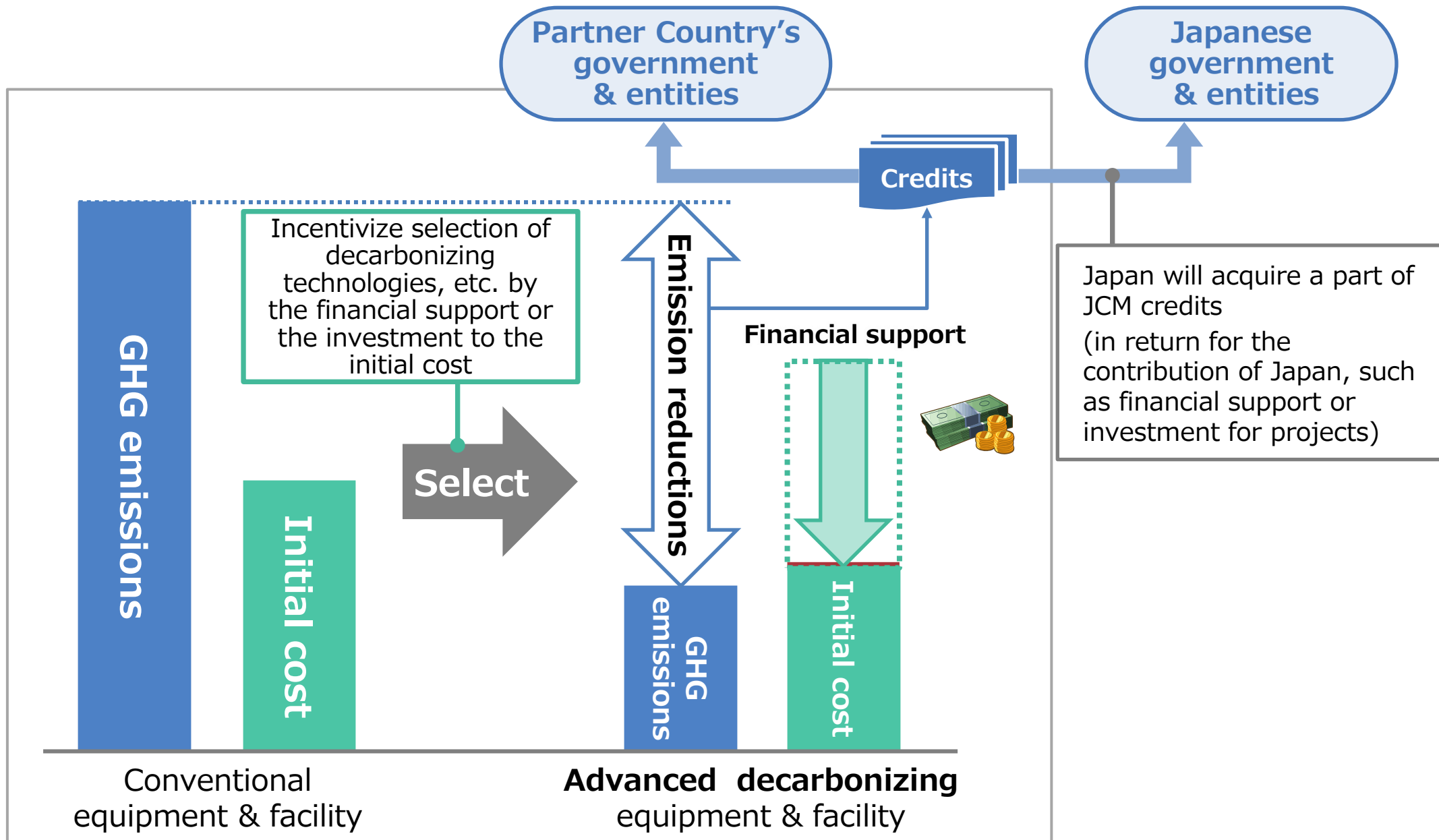
# Basic Concept of the JCM

- 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.

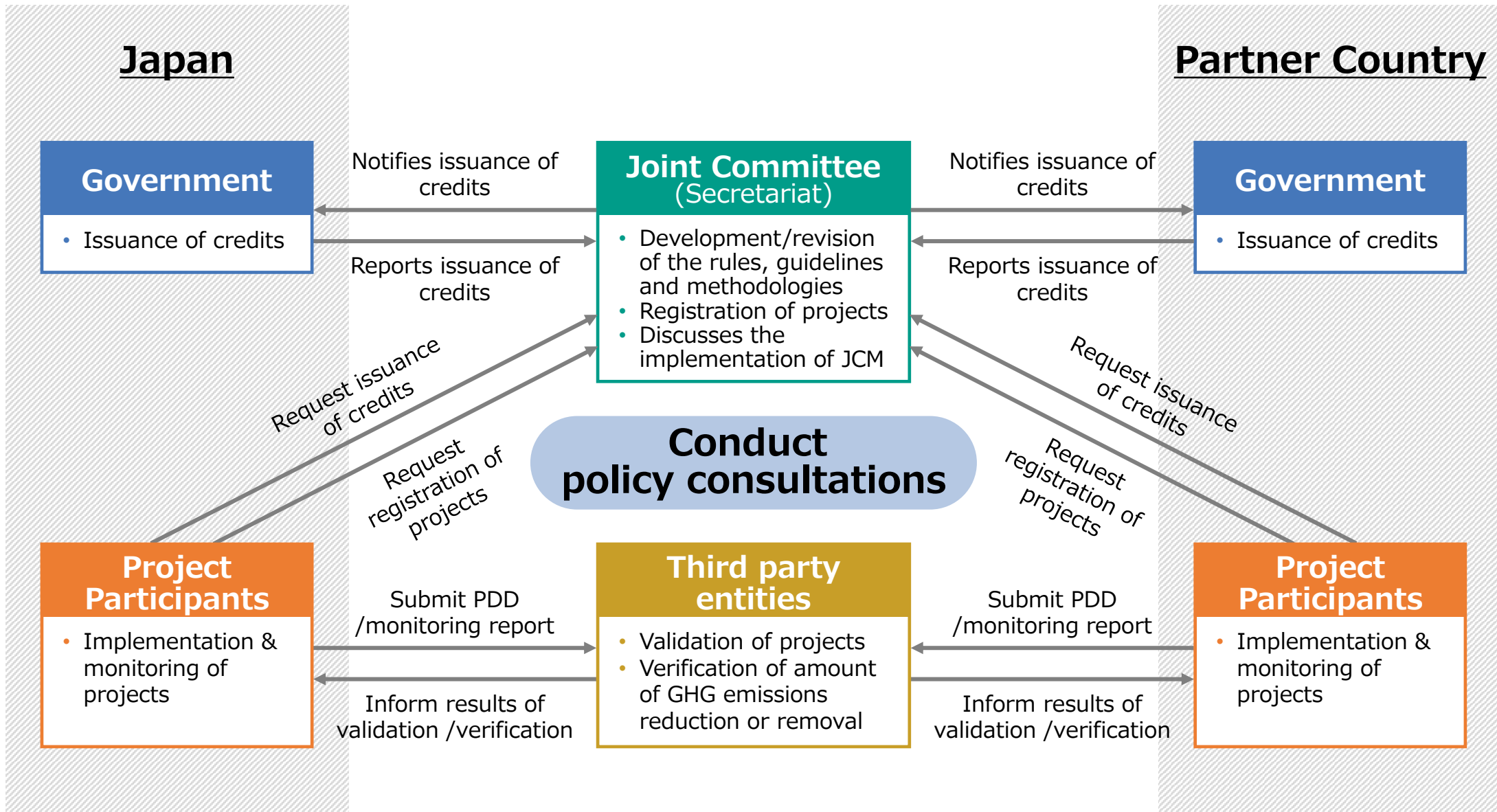


\*measurement, reporting and verification

# Contribution from Japan (example)

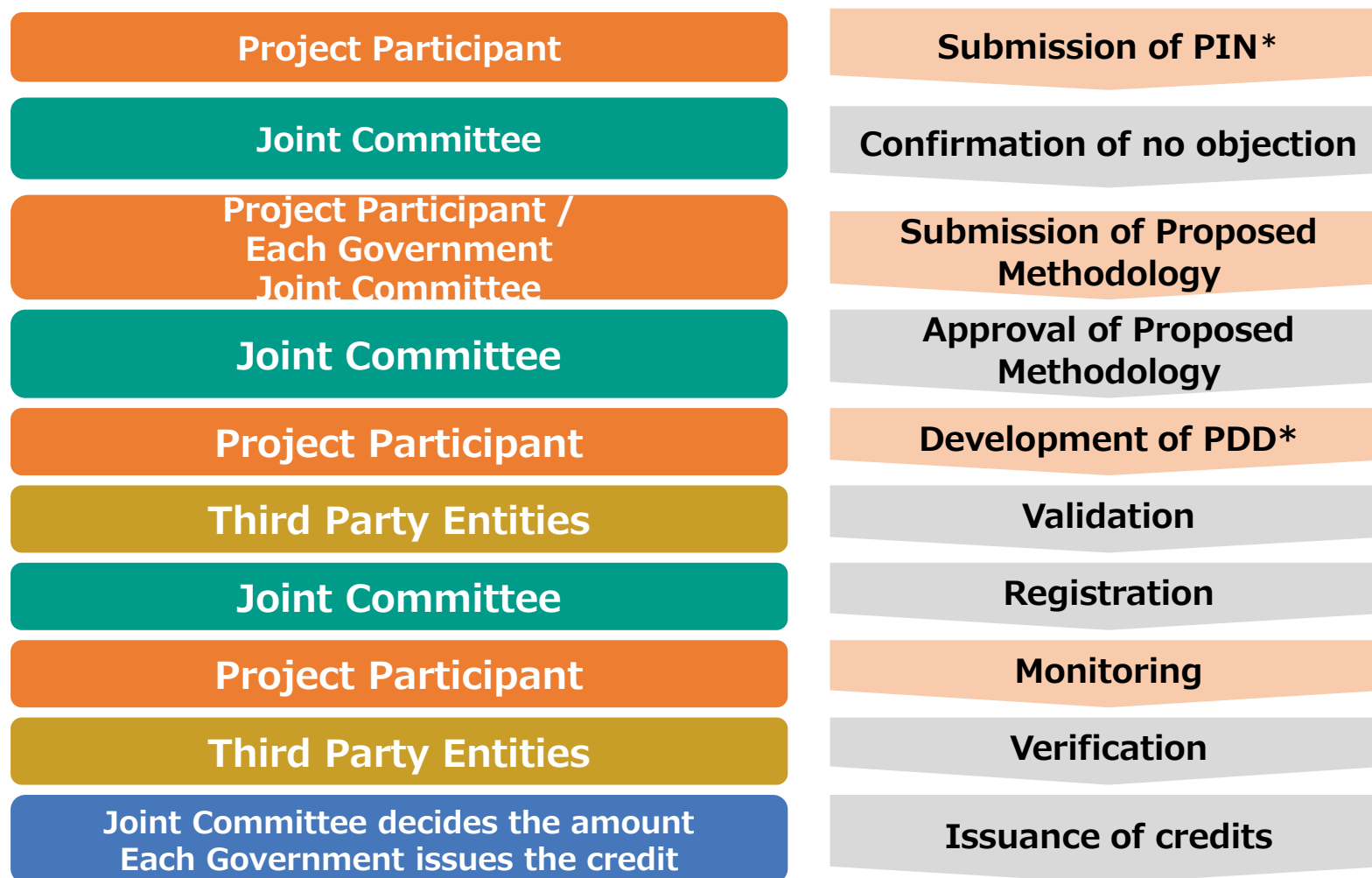


# Scheme of the JCM



# Key factors for forming JCM projects

- ✓ Discovering project seeds based on local needs
- ✓ Understanding the whole process of the JCM
- ✓ Close communication with both governments



# JCM progress



**29** JCM Partner countries (Up to 30 partner countries by 2025)

More than **250** Projects Formulation

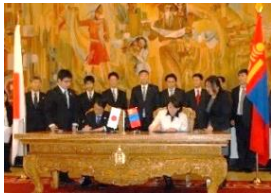
**101** Approved Methodologies and **82** Registered projects

Approx. **20** million-tCO<sub>2</sub> cumulative emission reductions by 2030  
(Cumulative GHG emission reduction for 100 mil tCO<sub>2</sub> by 2030)

Alignment with **Article 6.2** guidance  
(Authorization, Corresponding Adjustment and Sustainable Development etc)



# JCM Partner Countries (29 countries)



Mongolia  
Jan. 8, 2013  
(Ulaanbaatar)



Bangladesh  
Mar. 19, 2013 (Dhaka)



Ethiopia  
May. 27, 2013 (Addis Ababa)



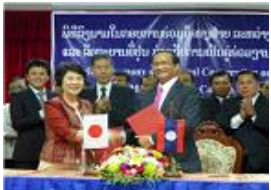
Kenya  
Jun. 12, 2013 (Nairobi)



Maldives  
Jun. 29, 2013 (Okinawa)



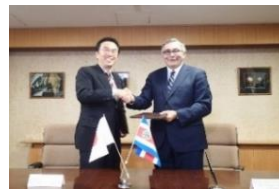
Viet Nam  
Jul. 2, 2013 (Hanoi)



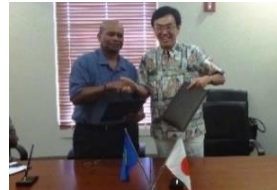
Lao PDR  
Aug. 7, 2013 (Vientiane)



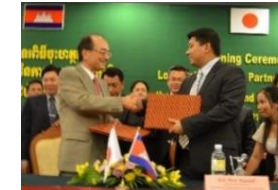
Indonesia  
Aug. 26, 2013 (Jakarta)



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)



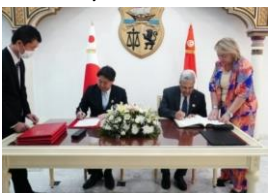
Thailand  
Nov. 19, 2015 (Tokyo)



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)



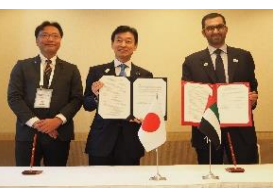
Sri Lanka  
Oct. 10, 2022 (Colombo)



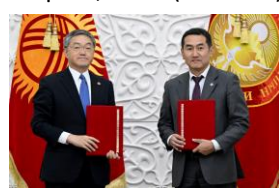
Uzbekistan  
Oct. 25, 2022 (Tashkent)



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



United Arab Emirates  
April. 16, 2023 (Sapporo)



Kyrgyz Republic  
July. 6, 2023 (Bishkek)



Kazakhstan  
Oct. 30, 2023 (Astana)



Ukraine  
Feb. 19, 2024 (Tokyo)



# 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



Biogas Power Generation, ITOCHU Corporation, Philippines



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

## Energy efficiency [Consumer sector]



Energy saving at convenience stores, Panasonic, Indonesia



High-efficiency refrigerator, Mayekawa MFG, Indonesia

## Energy efficiency [Industrial sector]



Optimization in petroleum refining plant, Yokogawa Electric Corp. Indonesia



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

## Effective Use of Energy



Gas Co-generation System and Absorption Chiller, Kansai Electric Power, Thailand

## Energy efficiency [Urban sector]



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



Amorphous transformers in power distribution, Yuko-Keiso, 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

URL: <https://www.jcm.go.jp/>

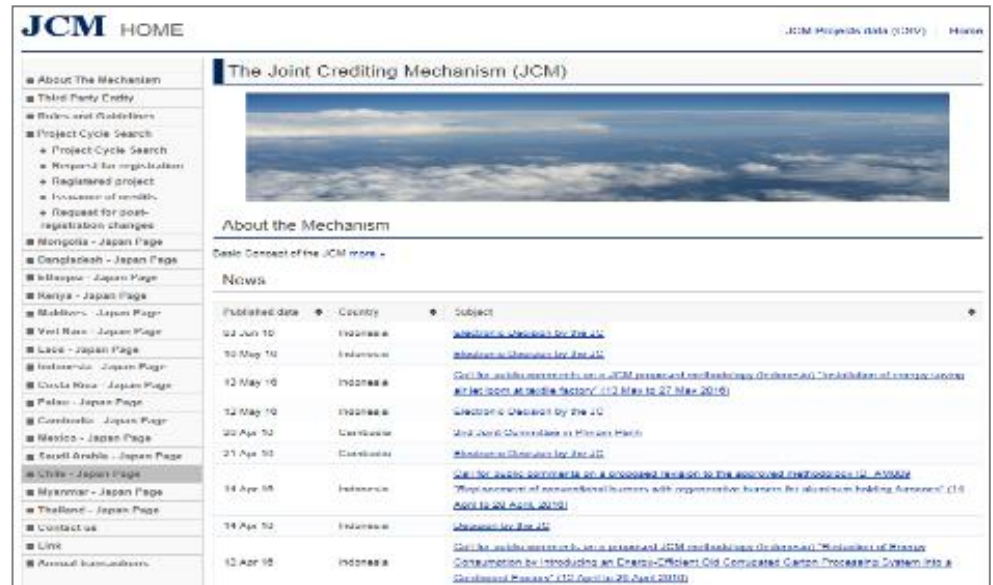
## Contents

- General information page
- Individual JCM Partner countries-Japan page

## Function

- Information sharing to the public, e.g.,
  - the JC decisions
  - rules and guidelines
  - methodologies and projects
  - issuance of JCM credits
  - call for public inputs/comments
  - status of TPEs, etc.
- Internal information sharing for the JC members, e.g.
  - File sharing for electric decisions by the JC

▼Image of the general information page



▼Image of the individual JCM Partner countries-Japan page



Thank you for your kind attention



**Ministry of the Environment**

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