

## **Tackling the Environmental Crises**

### **City-to-City Collaboration Program and Synergies**

February 2025

SUGA Yoshinori Director for Sustainable Infrastructure Global Environmental Bureau, Ministry of the Environment of Japan



良りある資源を未来につなぐ。 今、使らにできること







### **Contribution to Solving the Global Environmental Crises**

- The international community accelerates its efforts to address the "three environmental crises" of climate change, biodiversity loss and pollution.
- Ministry of the Environment of Japan supports expansion of decarbonization technologies and environmental infrastructure that we have built up in Japan, contributing to the resolution of the global environmental crisis and new growth.

### **Global emission reduction**

- Collaboration with MDBs and Other Institutions
- Strengthening JCM implementation structure ٠
- Simultaneously solving economic and social ٠ problems and environmental crises (synergies)
- Dissemination of the principles of high integrity carbon markets

### JCM projects



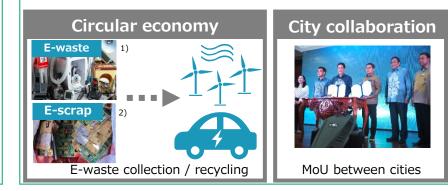


#### WtE (Bac Ninh Province, Vietnam)

#### Geothermal (Balayan, the Philippines)

### Transforming for sustainability

- Environmentally sound recycling of e-waste and recycling of critical minerals
- City-to-City Collaboration Program (C3P)
- Promoting Early Warning System (EWS)

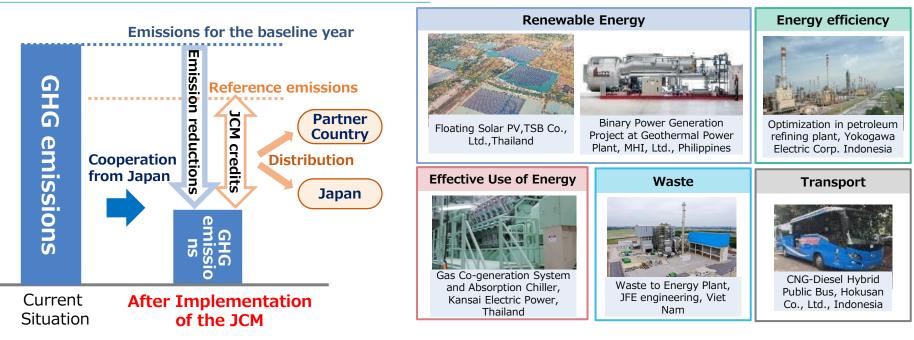


## Joint Crediting Mechanism (JCM)



### **Basic Concept**

### **JCM Projects**



## JCM Partner Countries (29 countries)



Mongolia Jan. 8, 2013 (Ulaanbaatar)







Lao PDR

Aug. 7, 2013 (Vientiane)

Saudi Arabia May. 13, 2015





Aug. 26, 2022 (Tunis)



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

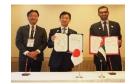




Chile May. 26, 2015 (Santiago)



Azerbaijan Sept. 5, 2022 (Baku)



United Arab Emirates April. 16, 2023 (Sapporo)



**Ethiopia** Mar. 19, 2013 (Dhaka) May. 27, 2013 (Addis Ababa)



Costa Rica Dec. 9, 2013 (Tokyo)



Myanmar Sep. 16, 2015 (Nay Pyi Taw)



Moldova Sept. 6, 2022 (Chisinau)



Kyrgyz Republic July. 6, 2023 (Bishkek)



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



Palau



Nov. 19, 2015 (Tokyo)



Georgia Sept. 13, 2022 (Tbilisi)



<u>Kazakhstan</u> Oct. 30, 2023 (Astana)



**Maldives** Jun. 29, 2013 (Okinawa)



<u>Cambodia</u> Jan. 13, 2014 (Ngerulmud) Apr. 11, 2014 (Phnom Penh)



**Philippines** Jan. 12, 2017 (Manila)



Sri Lanka Oct. 10, 2022 (Colombo)



Ukraine Feb. 19, 2024 (Tokyo)



Viet Nam Jul. 2, 2013 (Hanoi)



Mexico Jul. 25, 2014 (Mexico City)



Senegal Aug. 25, 2022



Uzbekistan Oct. 25, 2022 (Tashkent)







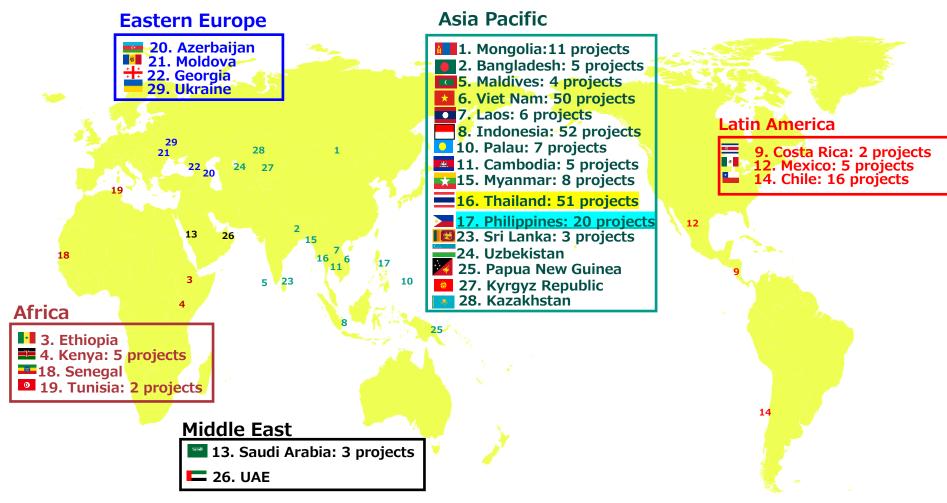




# List of JCM partner countries and projects supported by MOEJ (FY2013-2024) as of December 6, 2024

### Total 255 projects (29 partner countries)

(Model Project: 238 projects(including Eco Lease: 7projects), ADB: 8 projects, UNIDO: 1 project, REDD+: 2 projects, F-gas: 4 projects, New Technology : 2project)





5

## Multi-Benefits (Case of Waste-to-Energy)



## **Co-benefit Approach**



7

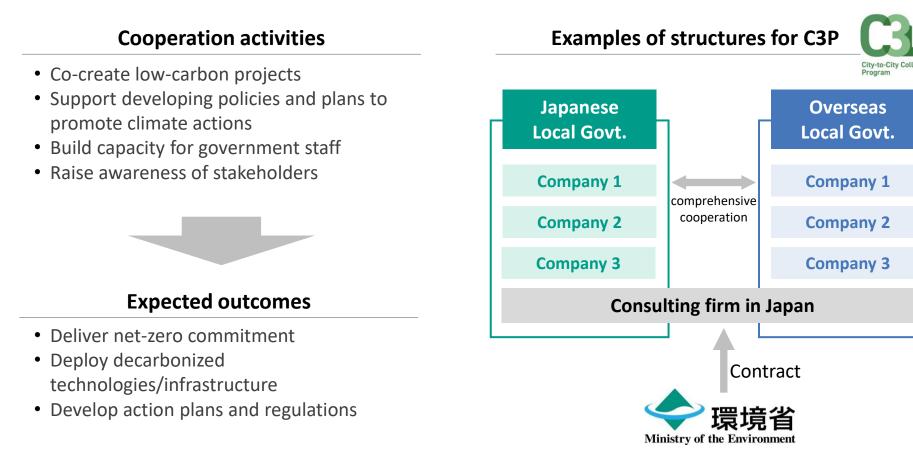
Measures against Air Pollution Measures against Climate Change

## **Co-benefit Approach**

Reducing Air Pollutant Emission **Reducing GHG Emission** 

## City-to-City Collaboration Program(C3P)

Support City-to-City collaboration between cities in Japan and abroad to promote sharing of knowledge and experience for decarbonization in partnership with private solution providers.



## City-to-City Collaboration Program(FY2013~2024)

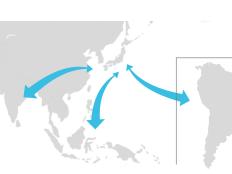


### Partnering 23 Japanese subnational governments with 56 subnational governments in 13 countries

Maldives	
Malé City	Toyama city
India	
Bangalore City	Yokohama city
Gov. of Telangana	Kitakyushu City
Myanmar	
Yangon Region	Kitakyushu city
Yangon City	Kawasaki City
Ayeyarwady Region	Fukushima City
Sagaing Region	Fukushima city
Mandalay City	Kitakyushu city
Yangon City	Fukuoka city
Mongolia	

Ulaanbaatar city	Sapporo <sub>City</sub> • Hokkaido Government
Ulaanbaatar city• Tuv aimag Prefecture	Sapporo City
Ulaanbaatar city	Sapporo City
Lao PDR	
Vieng chan city	Kyoto City

Malaysia	
Iskandar Development Area	Kitakyushu city
Iskandar Development Area• Kota Kinabalu <sub>City</sub>	Toyama city
Penang State	Kawasaki city
Kuala Lumpur City	Tokyo• Saitama city
lskandar Development Area	Toyama City



Thailand	
Indianu	
Bangkok	
Metropolitan	Yokohama city
Administration	
Rayong Prefecture	Kitakyushu city
Chiang Mai Prefecture	Kitakyushu city
Eastern Economic	0
Corridor (EEC)	Osaka City
Ubon Ratchathani	
Province •	
Warin Chamrap Town	Kitakyushu <sub>City</sub>
Municipality	
Pibun Mangsahan	
Towm Municipality	

Cambodia	
Phnom Penh Capital Administration	Kitakyushu <sub>City</sub>
Siem Reap Province	Kanagawa Prefecture

Vietnam	
Hai Phong City	Kitakyushu <sub>City</sub>
Da Nang City	Yokohama city
Ho Chi Minh city• Thu Duc city	Osaka City
Kiên Giang Province	Kobe City
Can Tho City	Hiroshima Prefecture
Soc Trang Province	Hiroshima Prefecture
Hanoi City	Fukuoka Prefecture
Quang Ninh Province	Shiga Prefecture
Ba Ria-Vung Tau Province	Sakai City
Ben Tre Province	Ehime Prefecture
Dong Nai Province	Kobe City
Hue City	Shizuoka city
Da Nang City	Sakai City

### Indonesia

Denpasar city	Clean Authority of Tokyo
Surabaya city	Kitakyushu City
Batam City	Yokohama city
Semarang City*	Toyama city
Bandung City	Kawasaki city
Special Capital Territory of Jakarta	Kawasaki city
Bali Province*	Toyama city
Rokan Hulu Prefecture, Riau Provice Pekanbaru City	Kawasaki city
Gorontalo Province	Ehime Prefecture
West Java Province	Kitakyushu city
Makassar City	Maniwa City
Makassar City	Yokohama city
Gianyar Regency	Osaki town
* Joint project for Bali and Semarang	

\* Joint project for Bali and Semarang

Philippines	
Quezon City	Osaka city
Davao City	Kitakyushu <sub>City</sub>

Palau	
Koror Province	Kitakyushu city
Airai Province	Urasoe City

### Chile

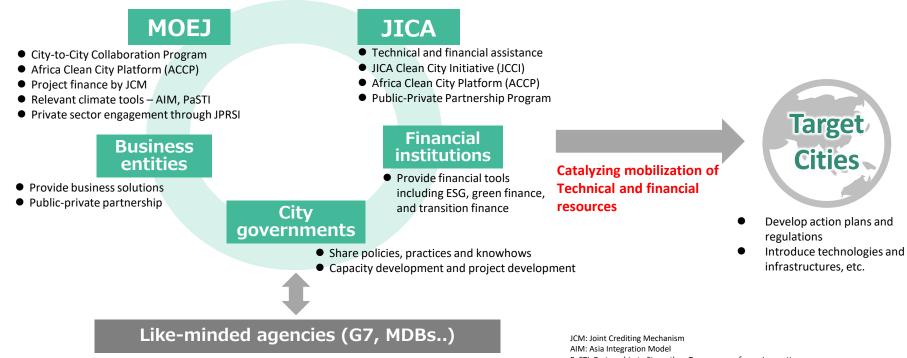
Renca Municipality, Santiago City, Toyama City

Red: Ongoing projects in FY2024

## Clean City Partnership Program (C2P2)



- MOEJ and JICA, in partnership with other key stakeholders, roll out a Clean Cities Partnership Program (C2P2), which:
- Mobilize engagement of multi-stakeholders on target cities.
- Provide a comprehensive and synergetic support to urban agenda including climate change, environmental pollution and circular economy.
- Collaborate with ongoing and new city initiatives by G7 members and MDBs.



• Collaborate with other city initiatives

AIM: Asia Integration Model PaSTI: Partnership to Strengthen Transparency for co-Innovation JPRSI: Japan Platform for Redesign: Sustainable Infrastructure

# 環境省

### 1. Purpose

- Since 2015, the Ministry of the Environment of Japan has been holding training and workshops in cooperation with IRENA, as support for development of human resources and project development and the further horizontal deployment of renewable energy projects in SIDS, utilizing Japan's knowledge, experience, and technology.
- > In March 2024, it will be held as a decarbonization forum for SIDS.

### 2. SIDS Decarbonization Forum in FY2024

With the participation of remote islands and companies in Japan that are taking the lead in decarbonization, the Forum will share initiatives, technologies, and challenges toward the decarbonization of SIDS.

Date: February 20 and 21, 2025 Organizer: Ministry of the Environment Co-organizer: IRENA Cooperation: JICA, SPREP Venue: L Stay & Grow Harumi Hotel and online Participating countries (tbc): (in-person) PNG, Palau, Maldives, Fiji, Tuvalu, Tonga, Kiribati, Micronesia, the Cook Islands, and the Solomon Islands. Some will join online.