



8<sup>th</sup> NIES International Forum – Keynote speech 2

---

# Japan's Support Towards Asia's Net-Zero Emissions

---

16 February 2023

**Junko NISHIKAWA**

Director for Sustainable Infrastructure,  
Ministry of the Environment, Japan



# ASEAN-Japan Climate Change Action Agenda 2.0



- Japan put forward the "**ASEAN-Japan Climate Change Action Agenda 2.0**" at the ASEAN-Japan Summit Meeting held in October 2021.
- Under the three pillars on transparency, mitigation, and adaptation, Japan has **significantly expanded and strengthened its support to AMS** in their transition to decarbonization.



## Agenda 2.0(2021)

### **1. Transparency**

MRV, Inventory, Satellite data(GHG, land), SOER6, workshop on CF and LCA, risk disclosure of financial institution

### **2. Mitigation**

#### **(1) Long term Strategy and Policy Making**

Scenario formulation, Policy dialogue, Platform for Redesign 2020

#### **(2) Decarbonization of Each Sector**

Fluorocarbons, Renewable Energy, Waste-recycle, Water-Air(co-benefit), Green Logistics(ship, port, airport, transport)

#### **(3) Dissemination of Decarbonization Technologies through the JCM and related schemes**

JCM(promote and scale-up by private finance), Co-Innovation (demonstration), JPRSI (public-private platform), Grant assistance for NGO project, Innovative technology(CCUS, clean Hydrogen), green investment

#### **(4) Expansion of Zero Carbon Cities**

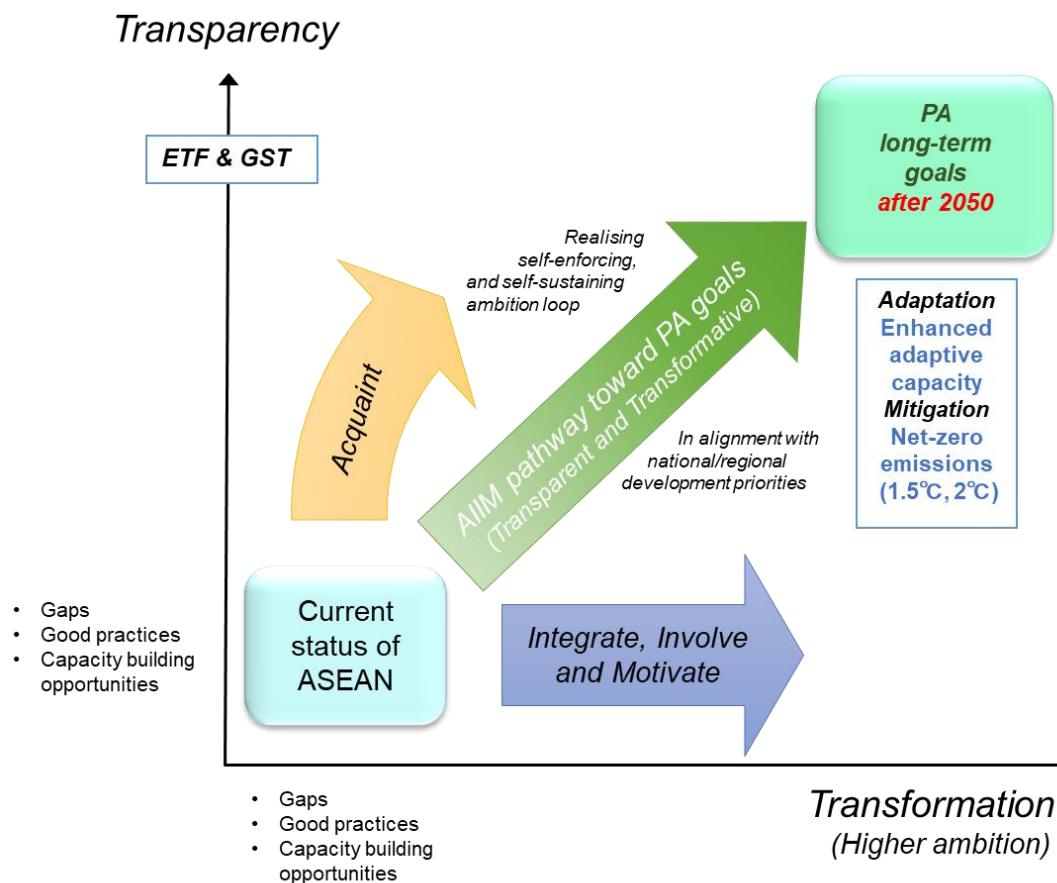
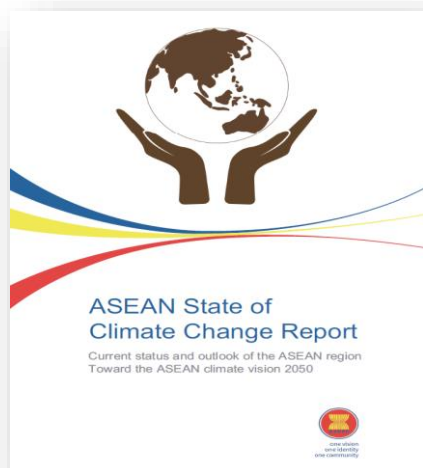
City-to-City Collaboration, International forum, Smart City

### **3. Adaptation**

AP-PLAT, Disaster Prevention(Mapping exercise, dam upgrading), Meteorological satellite data

- The “ASEAN Climate Vision 2050” showed **ASEAN’s goal and pathway** (prioritized climate actions of 29 adaptation and 30 mitigation actions for 2030 and 2050) to realize a resilient & net-zero ASEAN community.
- It is in the ASEAN State of Climate Change Report (ASCCR), released in 2021.

**Unprecedented regional challenge calls for ASEAN’s long-term vision to tackle climate change.**

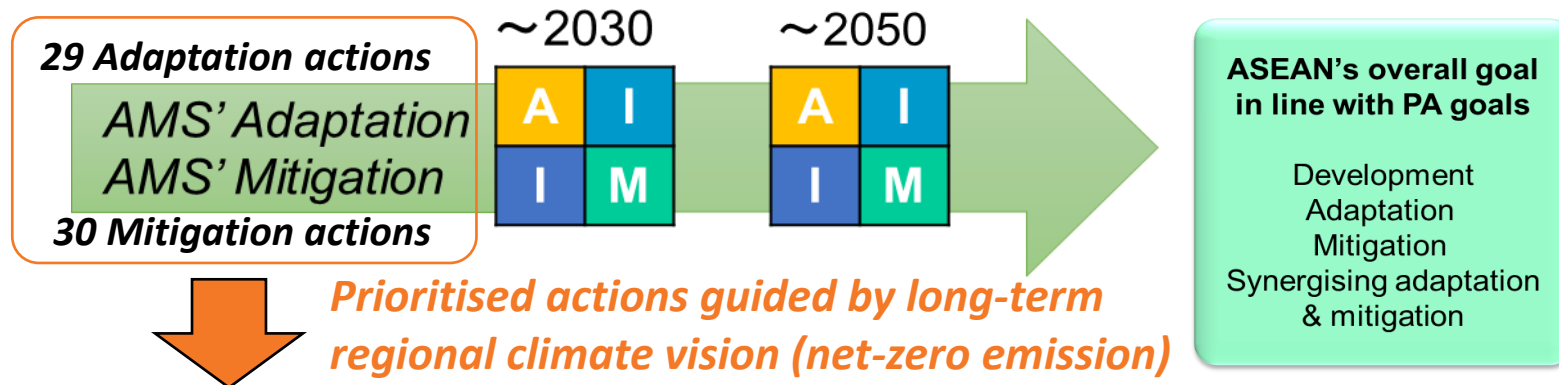


# ASEAN Climate Change Strategic Action Plan 2023-2030 (ACCSAP)

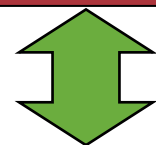


- ACCSAP is an action oriented and timebound response toward 2030 that aims to **synergize actions among sectoral plans and strategies** in the region for achieving the ASEAN Climate Vision 2050. Plan to be released later this year.

## ASEAN Climate Vision 2050 in ASEAN State of Climate Change Report



## ASEAN Climate Change Strategic Action Plan 2023-2030 (ACCSAP)



*Cross-pillar, cross-sector, and cross-country coordination*

## Sectoral plans/strategies (e.g. agriculture, forestry, energy, transport, infrastructure)

- e.g. Vision and Strategic Plan for ASEAN Cooperation in Food, Agriculture and Forestry (SP-FAF) 2016–2025, the ASEAN Plan of Action for Energy Cooperation (APAEC) 2016-2025
- Cross-sectoral plans: e.g. ASEAN Strategic Plan on Environment (ASPEN) 2016-2025, ASEAN Comprehensive Recovery Framework, and ASEAN Taxonomy for Sustainable Finance

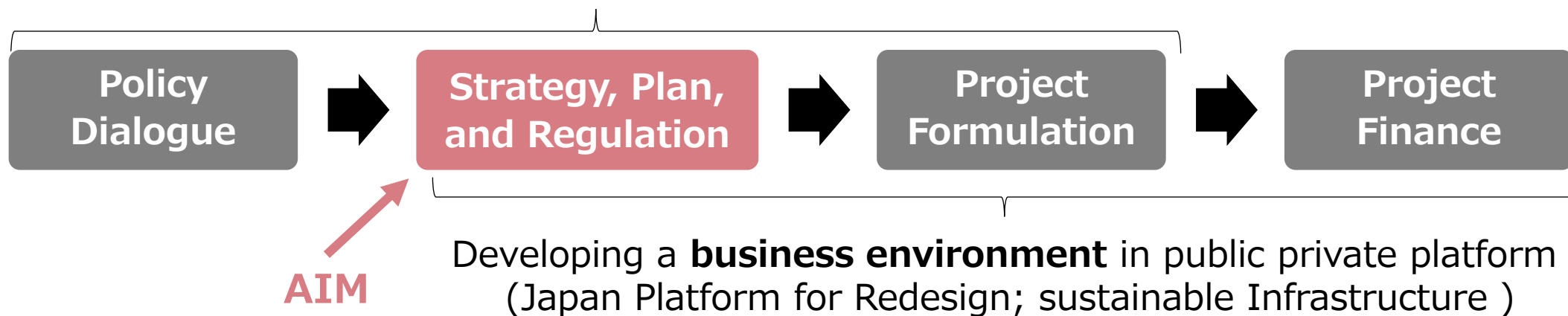
# Japan's support towards net-zero Asia



- Long term strategy developed with use of AIM serves as the **foundation for policy development and project implementation**
- AIM is also used in developing **city-level strategies and action plans**, and corresponding mitigation projects are formulated through city-to-city collaboration and the Joint Crediting Mechanism (JCM)

## Promoting **city-to-city collaboration**

Transferring experience and know-hows to partner cities



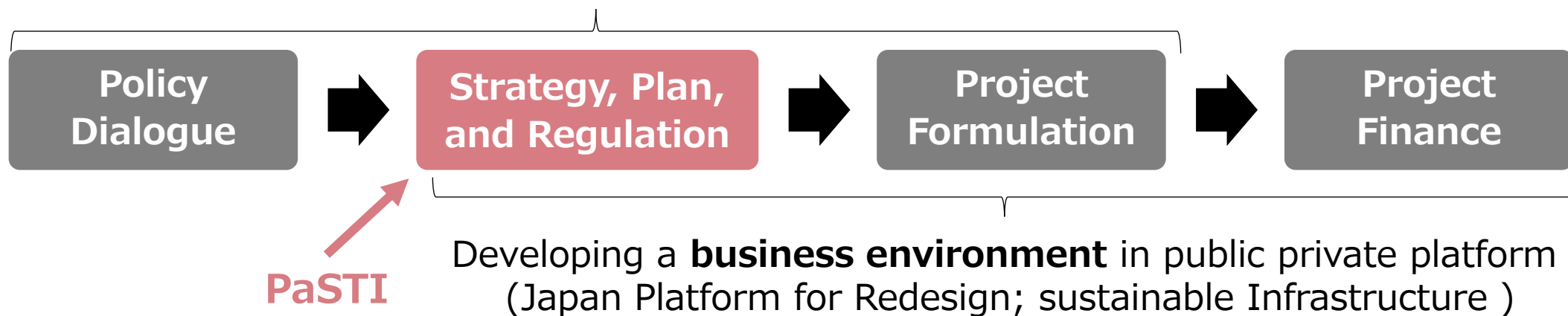
# Japan's support towards net-zero Asia



- Long term strategy developed with use of AIM serves as the **foundation for policy development and project implementation**
- AIM is also used in developing **city-level strategies and action plans**, and corresponding mitigation projects are formulated through city-to-city collaboration and the Joint Crediting Mechanism (JCM)

## Promoting **city-to-city collaboration**

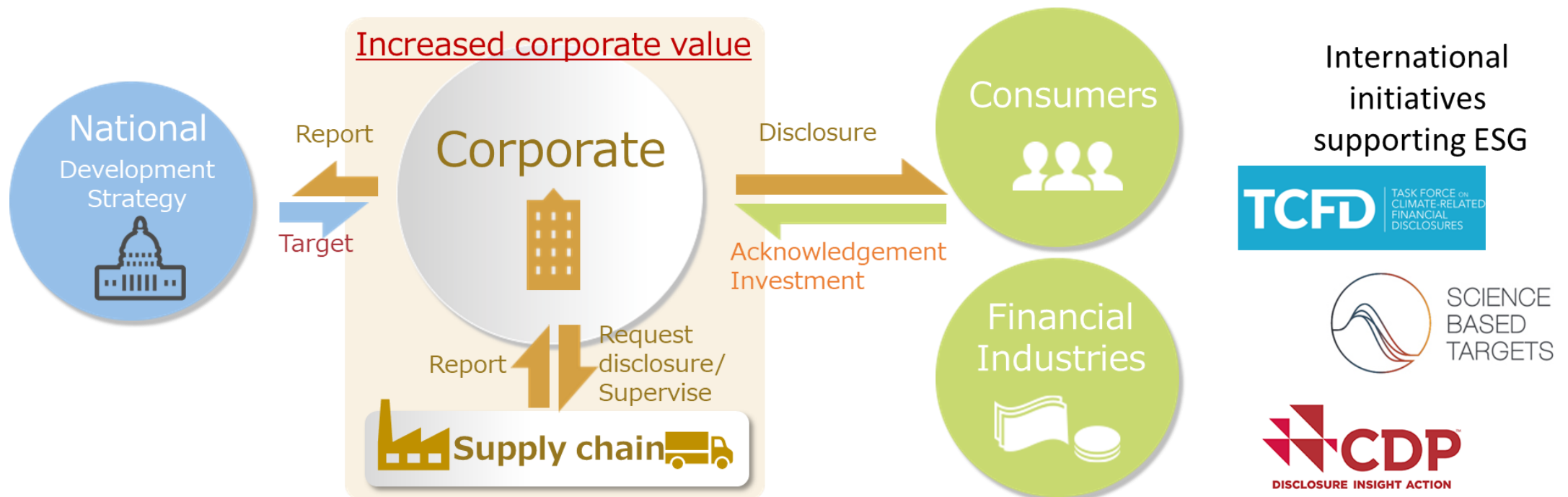
Transferring experience and know-hows to partner cities



# Transparency Activities for Private Sector



- **Making GHG emissions visible** is the first step for emissions reduction. This enables companies and governments to **identify potentials for emission reduction and decide necessary actions**.
- It also leads to **ESG investments and increased competitiveness** of companies in the global market.
- Information disclosure on GHG emission is now a prerequisite for participating in global supply chains.





# Partnership to Strengthen Transparency for Co-Innovation (PaSTI)



## Regional activities by JAIF



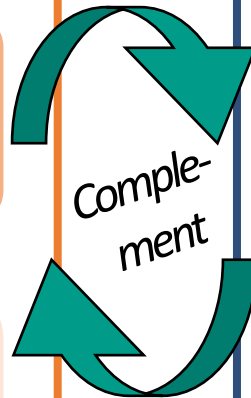
ASEAN  
Member states

### AWGCC

ASEAN Working Group on  
Climate Change

PaSTI-JAIF projects  
develop

**ASEAN Guideline on  
Facility-level GHG  
Measurement Reporting  
(M&R)** and platform for  
information sharing.



Complement

## Bilateral activities by Japan

Support the development of domestic legislations on facility-level GHG M&R systems and capacity building



- Development of facility-level GHG reporting methodologies in the IPPU Sector
- Study on private sector incentives (banks)



- Increase understanding of MRV amongst state and non-state actors
- Planning of potential M&R system



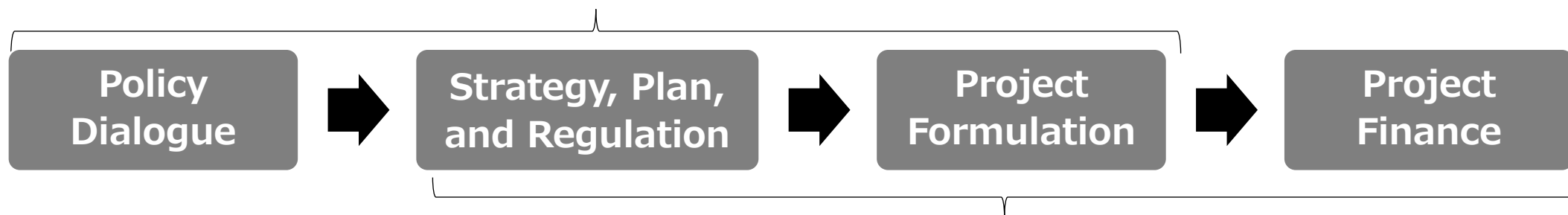
- Development of facility-level GHG reporting methodologies in the waste sector
- Collect good practices of ESG investments



- Long term strategy developed with use of AIM serves as the **foundation for policy development and project implementation**
- AIM is also used in developing **city-level strategies and action plans**, and corresponding mitigation projects are formulated through city-to-city collaboration and the Joint Crediting Mechanism (JCM)

## Promoting **city-to-city collaboration**

Transferring experience and know-hows to partner cities



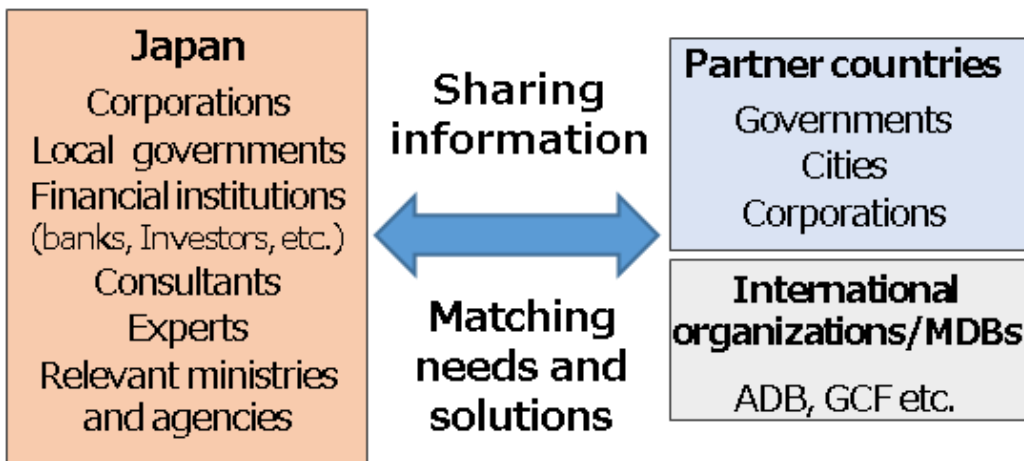
Developing a **business environment** in public private platform  
(Japan Platform for Redesign; sustainable Infrastructure )

# Japan Platform for Redesign: Sustainable Infrastructure (JPRSI)



- JPRSI is a **public-private partnership platform** established by the Ministry of the Environment of Japan in 2020 to comprehensively support for partner countries' governments and private sector through **application of Japanese environmental technologies and infrastructure**.

## Overview



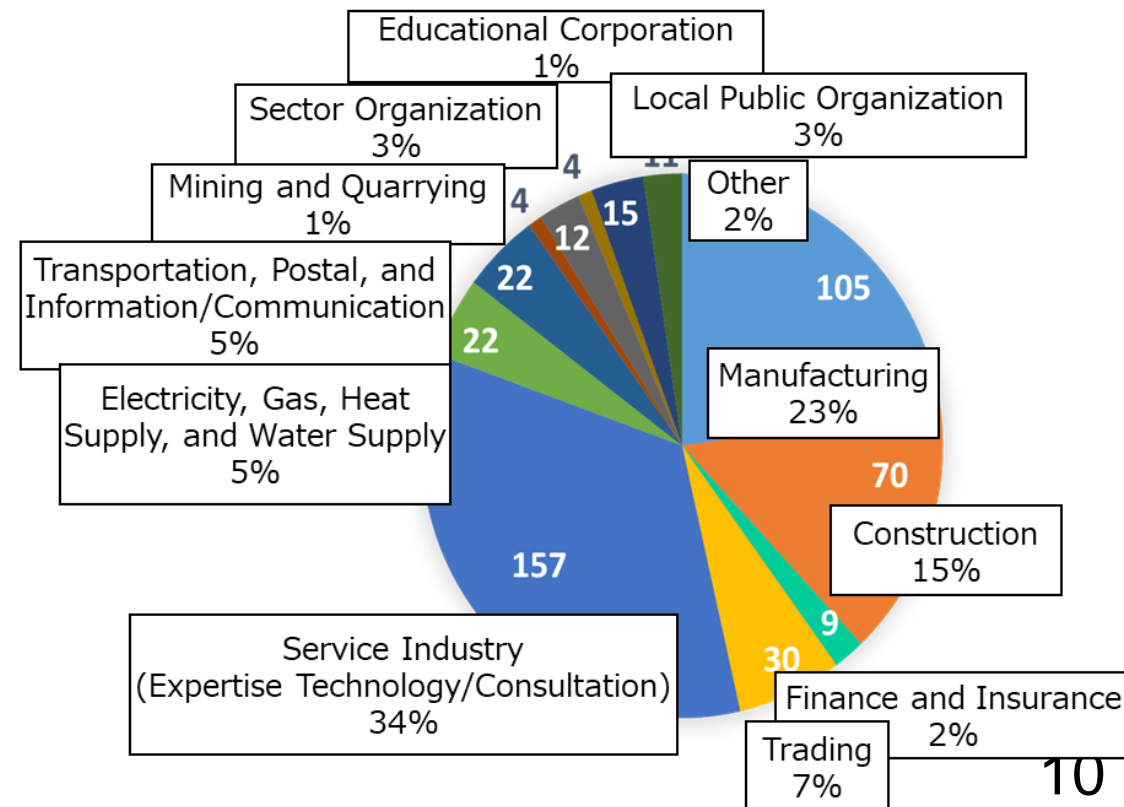
1. Dissemination of technical information provided by Japanese companies
2. Matching local needs with Japanese corporations' solutions



Contact us

## Number of Entities Joined

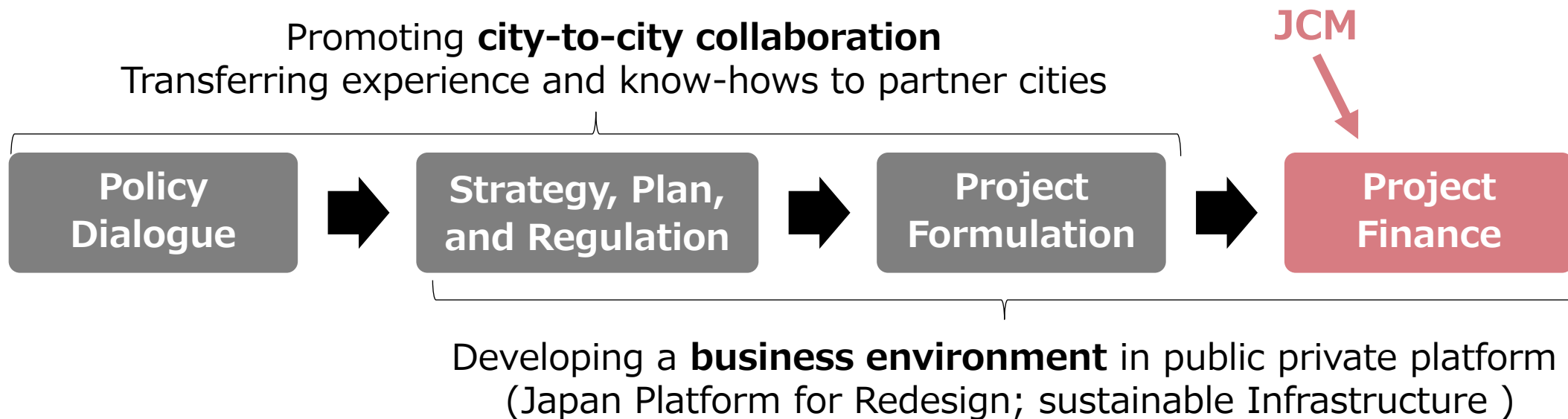
**471 entities** have joined the platform (as of December 2022).



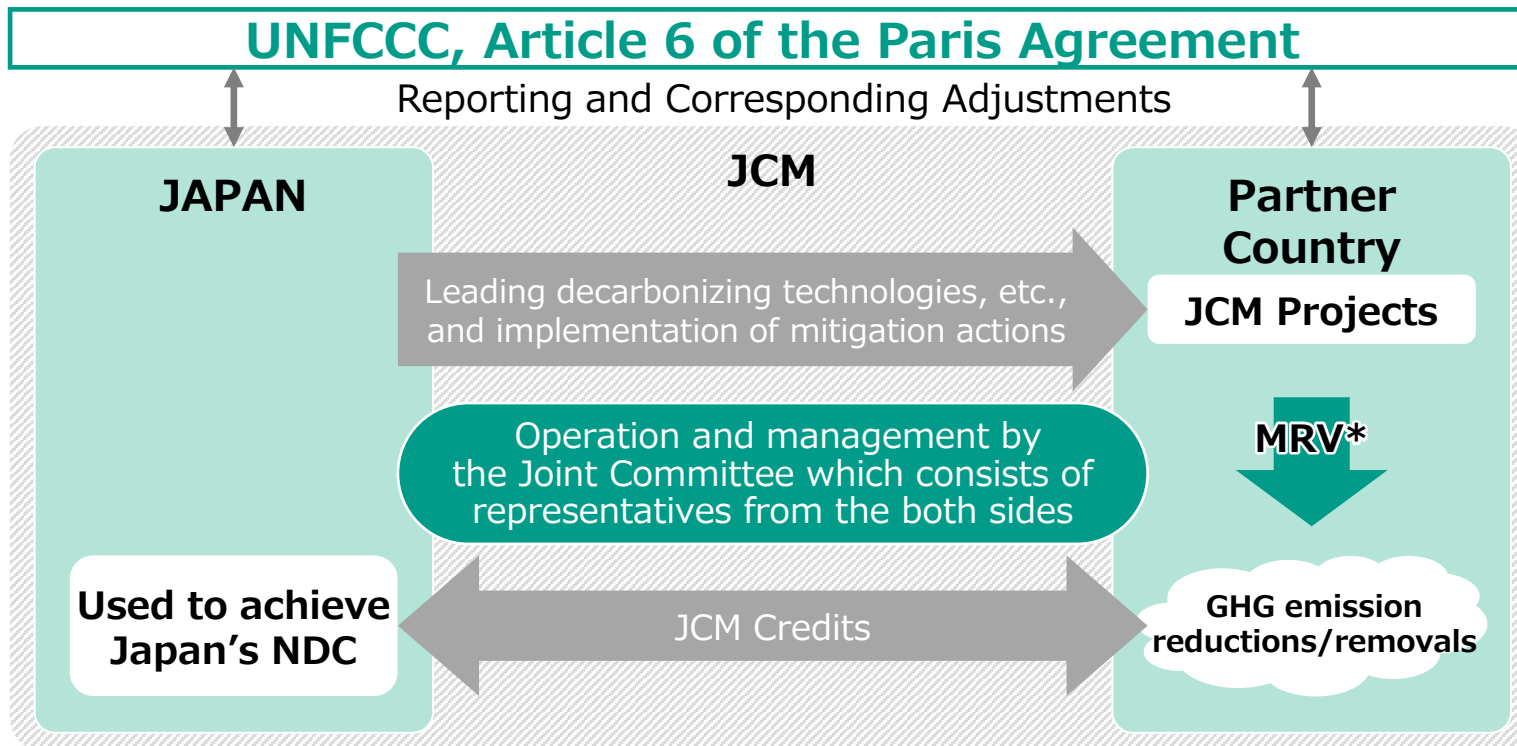
# Japan's support towards net-zero Asia



- Long term strategy developed with use of AIM serves as the **foundation for policy development and project implementation**
- AIM is also used in developing **city-level strategies and action plans**, and corresponding mitigation projects are formulated through city-to-city collaboration and the Joint Crediting Mechanism (JCM)



- Facilitate diffusion of advanced decarbonizing technologies and infrastructure, as well as implementation of mitigation actions in partner countries.
- Contribute to the achievement of both countries' NDCs while ensuring the avoidance of double counting through corresponding adjustments.
- Since 2013, Japan has established the JCM with **25 partner countries** and **over 230 projects** have been selected.





# Projects supported by the JCM financing programmes

## Renewable Energy



Solar power ,Farmdo Co., Ltd., Mongolia



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



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

## Energy efficiency [Industrial sector]



Co-generation system, Toyota Tsusho Corporation, Indonesia,

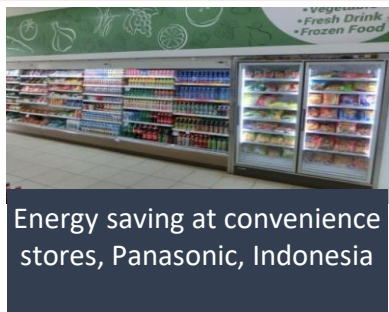


Waste heat recovery in Cement Industry, JFE engineering, Indonesia

## 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



Regenerative Burners in industries, Toyotsu Machinery, Indonesia



Upgrading air-saving loom at textile factory, TORAY etc., Indonesia, Thai, Bangladesh

## 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

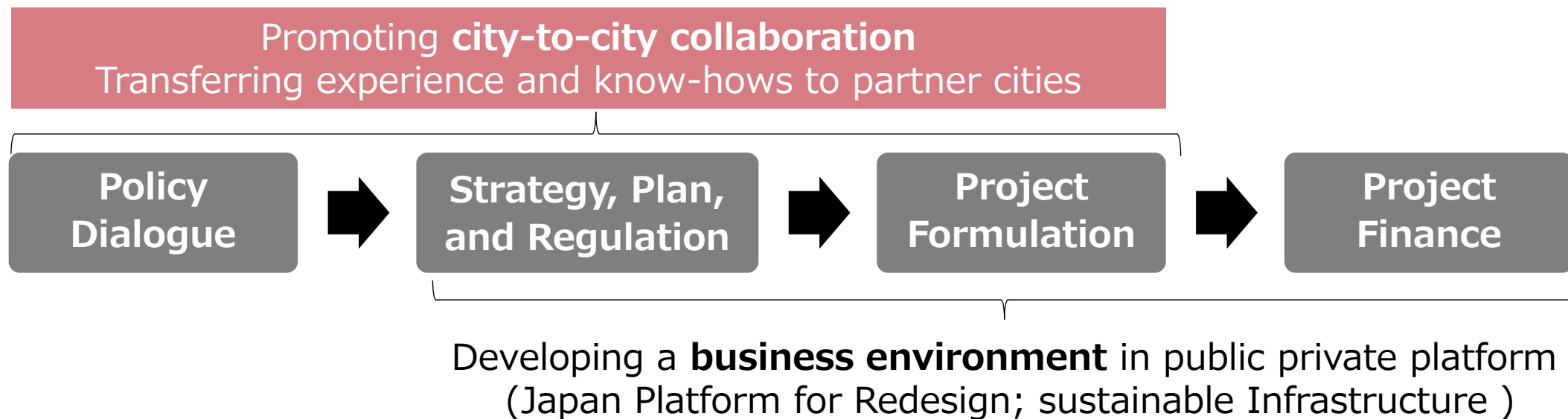


CNG-Diesel Hybrid Public Bus, Hokusan Co., Ltd., Indonesia

# Japan's support towards net-zero Asia



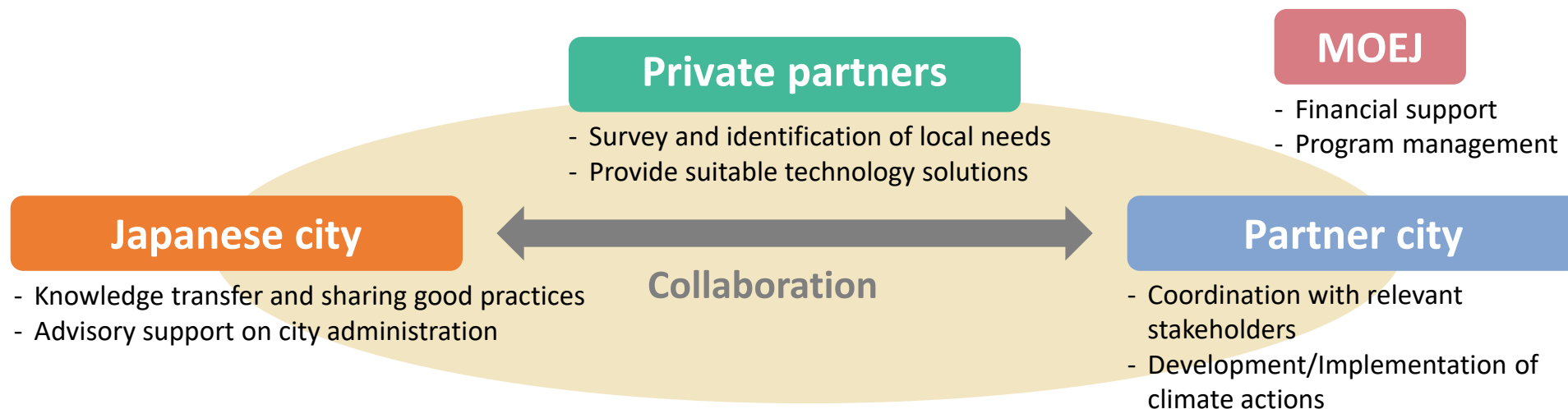
- Long term strategy developed with use of AIM serves as the **foundation for policy development and project implementation**
- AIM is also used in developing **city-level strategies and action plans**, and corresponding mitigation projects are formulated through city-to-city collaboration and the Joint Crediting Mechanism (JCM)



# City-to-City Collaboration Program

## [Basic concept]

**Pairing Japanese cities with partner cities abroad** and promoting **transfer of knowledge and experience for decarbonization** in partnership with private solution providers.



- **Co-create low-carbon projects**
- Support developing **policies and plans** to promote climate actions
- **Build capacity** for government staff
- Raise awareness of stakeholders

**Deliver net zero commitment**

**Deploy decarbonized technologies/infrastructure**

**Develop action plans and regulations**

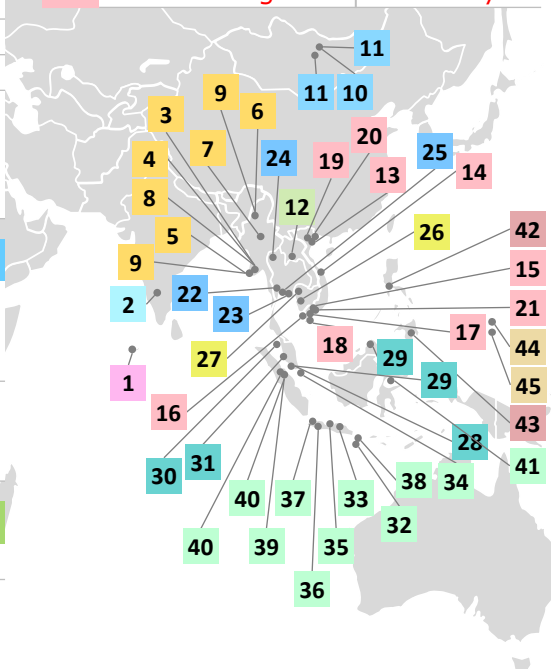


# Cities taking part in the City-to-City Collaboration Program

Partnering 20 Japanese cities  
with **45** cities/regions in **13** countries

Foreign city	Japanese city
<b>Maldives</b>	
1 Malé	Toyama
<b>India</b>	
2 Bangalore	Yokohama
<b>Myanmar</b>	
3 Yangon (region)	Kitakyushu
4 Yangon(city)	Kawasaki
5 Ayeyarwady	Fukushima
6 Sagaing	Fukushima
7 Mandalay	Kitakyushu
8 Yangon City	Fukuoka
9 Sagaing Region, Ayeyarwady Region	Fukushima
<b>Mongolia</b>	
10 Ulaanbaatar	Sapporo・Hokkaido Government
11 Ulaanbaatar city and Tuv aimag	Sapporo
<b>Lao PDR</b>	
12 Vieng chan	Kyoto

<b>Vietnam</b>		
13	Hai Phong	Kitakyushu
14	Da Nang	Yokohama
15	Ho Chi Minh	Osaka
16	Kiên Giang and others	Kobe
17	Can Tho	Hiroshima
18	Soc Trang Province	Hiroshima
19	Hanoi City	Fukuoka
20	Quang Ninh	Shiga Prefecture
21	Ba Ria-Vung Tau	Sakai City



<b>Thailand</b>		
22	Bangkok (Bangkok Port・Laem Chabang Port)	Yokohama (Yokohama Port Pier)
23	Rayong	Kitakyushu
24	Chiang Mai	Kitakyushu
25	Eastern Thailand(EEC)	Osaka

<b>Cambodia</b>		
26	Phnom Penh	Kitakyushu
27	Siem Reap	Kanagawa

<b>Malaysia</b>		
28	Iskandar Development Area	Kitakyushu
29	Iskandar Development Area ・ Kota Kinabalu	Toyama
30	Penang and others	Kawasaki
31	Kuala Lumpur	Tokyo, Saitama

<b>Indonesia</b>		
32	Denpasar	Tokyo Union
33	Surabaya	Kitakyushu
34	Batam	Yokohama
35	Semarang*	Toyama
36	Bandung	Kawasaki
37	Special Capital Territory of Jakarta	Kawasaki
38	Bali*	Toyama
39	Rokan Hulu, Riau	Kawasaki
40	Rokan Hulu Regency and Pekanbaru City	Kawasaki
41	Gorontalo	Ehime

\* Joint project for Bali and Semarang

<b>Philippines</b>		
42	Quezon	Osaka
43	Davao	Kitakyushu

<b>Palau</b>		
44	Koror	Kitakyushu
45	Airai	Urasoe

<b>Chile</b>		
46	Renca, Santiago	Toyama

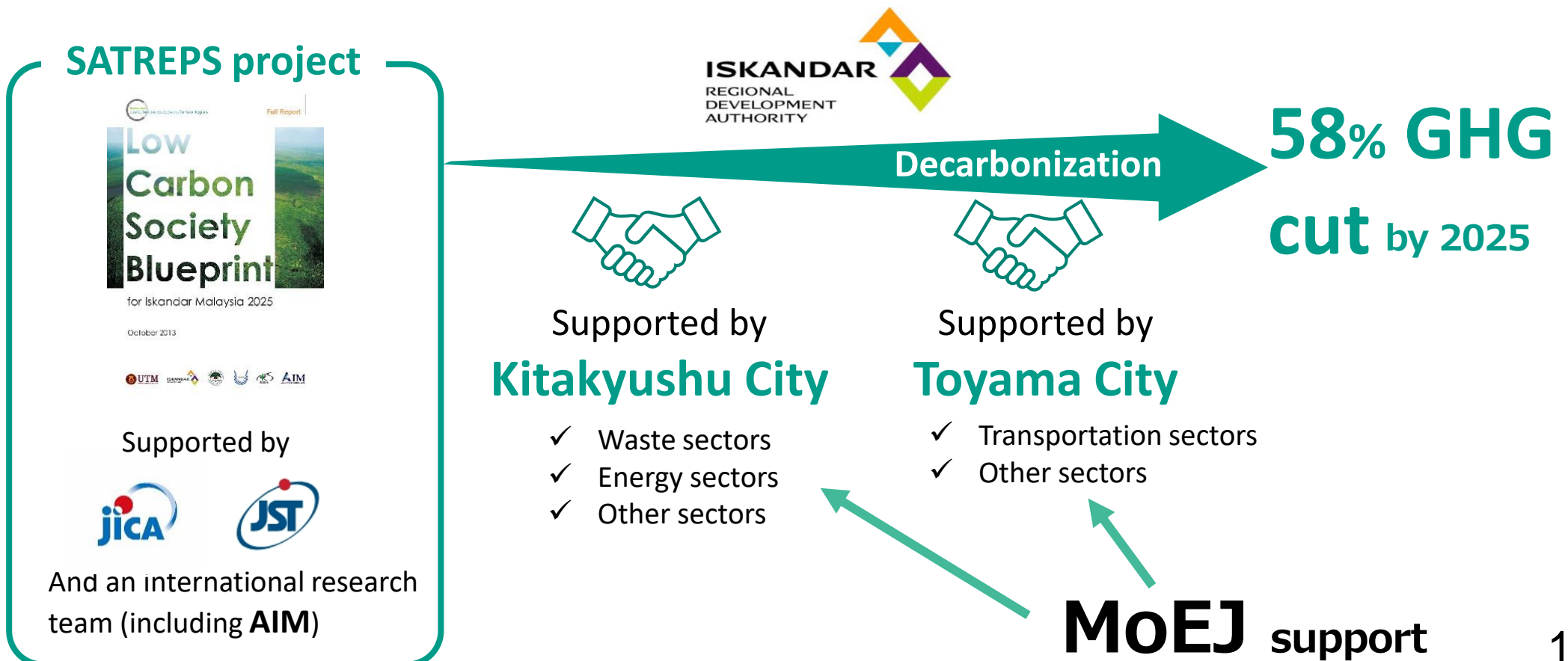
46

Red: Ongoing projects in FY2022

# Comprehensive Support for ISKANDAR



- Japan's Science and Technology Research Partnership for Sustainable Development (SATREPS) project funded by JICA and the Japan Science and Technology Agency (JST) announced “**The Low Carbon Society Blueprint 2025**” in 2012
- Through the City-to-City Collaboration Project, MOEJ is providing implementation support to achieve low carbon based on the Blueprint.



# Zero Carbon City International Forum 2023



- MOEJ and US will co-organize the **"Zero Carbon City International Forum 2023"** on 1 March 2023, to accelerate subnational climate actions globally by sharing leading practices across borders.
- This year, the forum intends to discuss measures to promote cooperation between national and subnational governments, given the upcoming **"G7 Ministers' Meeting on Climate, Energy and Environment"** to be held on 15-16 April, 2023 in Sapporo, Japan.
- The forum also aims to expand integrated urban initiatives through sharing **leading practices on net-zero transition, resilience and multiple benefits** (smart city, DX, circular economy, nature-positive economy).

[Program] (JST, UTC+9)

9:30-12:00 JST Part 1: Opening and High-Level Sessions (Kioi Conference Center,  
15:00-17:30 JST Part 2: High Level Seminar on Sustainable Cities (Online)  
18:00-20:30 JST Part 3: Thematic Sessions (Online)



## Speakers of Opening and High Level Sessions



**Mr. NISHIMURA Akihiro**  
Minister of the Environment,  
Japan



**Ambassador  
Nina Hachigian**  
Special Representative  
for Subnational Diplomacy  
Office of Global Partnerships,  
USA (online)



**Mr. Simon Stiell**  
Executive Secretary  
UNFCCC  
(Video Message)



**Mrs. Katja Dörner**  
Lord Mayor of Bonn  
City (Video Message)



**Mr. HISAMOTO Kizo**  
Mayor of Kobe



**Mr. AKIMOTO Katsuhiro**  
Mayor of Sapporo  
(online)

[Register here](#)



Thank you for your kind attention



**Ministry of the Environment**