



Japanese Efforts to Promote Subnational Climate Action

17 Nov. 2022

Ministry of the Environment, Japan



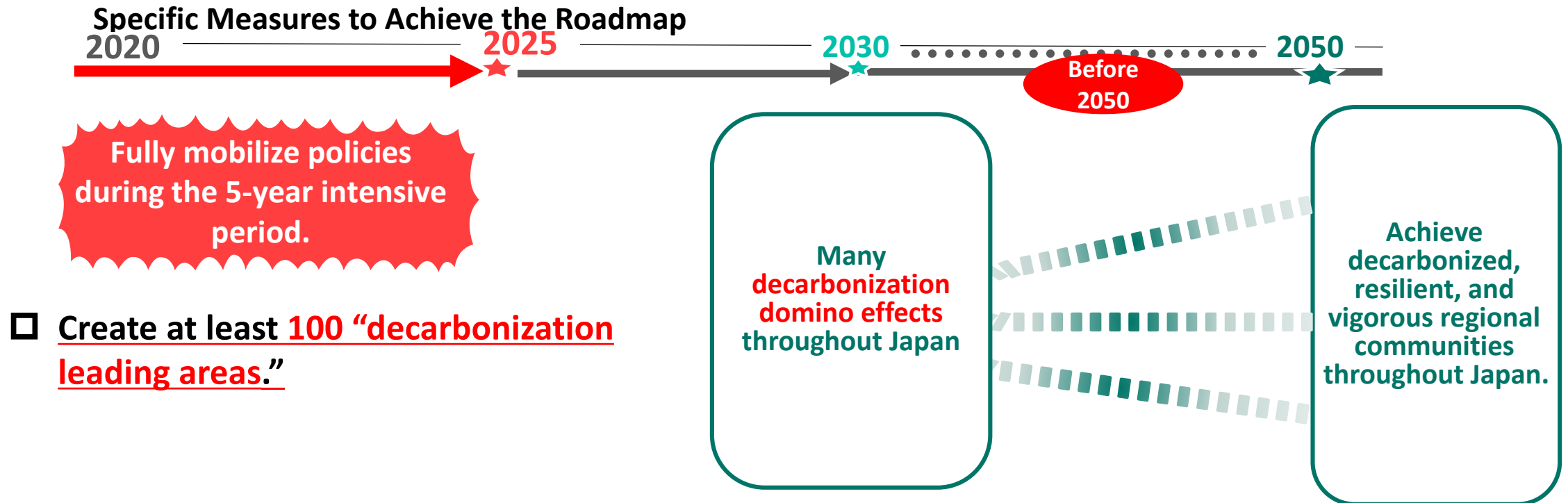
■ To achieve **Carbon Neutrality in 2050** and a **46% Reduction of GHG in 2030**, the Roadmap was formulated on June 2021.

Key Message

- Regional decarbonization is a **regional growth strategy**.
- **Decarbonization projects can solve problems in the region** through the maximum use of regional resources, such as renewable energy.
- Every municipality can take initiatives and address it with **current technologies** (best available technologies).

Decarbonization Leading Areas

- 100 decarbonization leading areas aim to **achieve the goal of its decarbonization by FY2030.**
- **46 Decarbonization Leading Areas** were selected. Subsequently, MOEJ will call for applications will semi-annually until FY2025.



Develop regional implementation system and national support mechanism

- Human Resource (capacity development of local stakeholders and entrepreneurs)
- Technical knowledge sharing (RE potential, local economic analysis)
- Funds (amendment of Global Warming Countermeasures Law)

1.The subsidy for promoting renewable energy and local decarbonization

Main Financial support scheme:

- subsidy to local governments which are keen to implement local decarbonization measures
2022:20 billion-yen(173 million USD)

2.The Institution for realizing the carbon-free society

- Financial support for corporations which implement decarbonization projects
2022:20 billion-yen(173 million USD)

[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

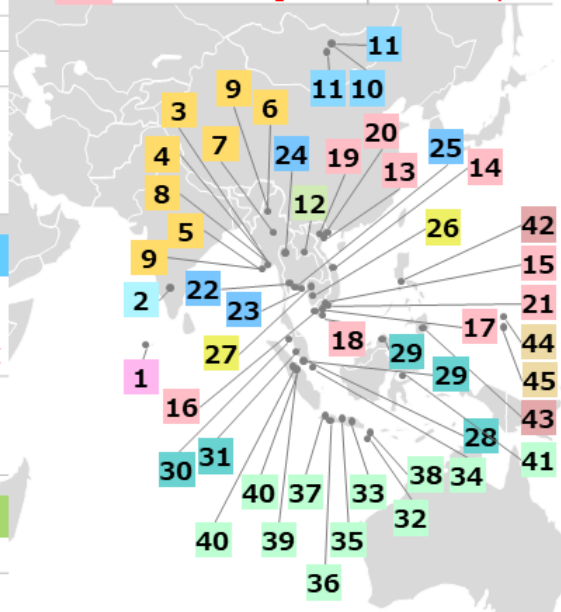
Cities taking part in the City-to-City Collaboration Program (FY2013~2022)



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

	Foreign city	Japanese city
Maldives		
1	Malé	Toyama
India		
2	Bangalore	Yokohama
Myanmar		
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
Mongolia		
10	Ulaanbaatar	Sapporo・Hokkaido Government
11	Ulaanbaatar city and Tuv aimag	Sapporo
Lao PDR		
12	Vieng chan	Kyoto

Vietnam		
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



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

Cambodia		
26	Phnom Penh	Kitakyushu
27	Siem Reap	Kanagawa

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

Indonesia		
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

Philippines		
42	Quezon	Osaka
43	Davao	Kitakyushu

Palau		
44	Koror	Kitakyushu
45	Airai	Urasoe

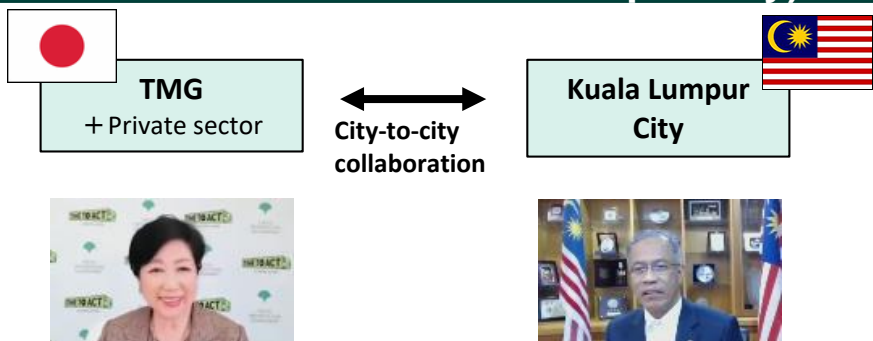
Chile		
46	Renca, Santiago	Toyama

Red: Ongoing projects in FY2022

Success Cases of City-to-City Collaboration

■ Through city-to-city collaboration projects with other countries, Japanese systems and initiatives will be transferred in a form that meets the needs of these countries, thereby encouraging zero carbon pledges and implementation of specific measures in overseas cities.

Announcement on zero carbon supported by institutional transfer (Tokyo Metropolitan Government and Kuala Lumpur City)



<Details of collaboration>

- ✓ Transfer of TMG's green building system
- ✓ Development of zero carbon scenario in KL

➔ **KL announced its commitment to be carbon neutral by 2050**

The first case of “decarbonization domino effect”

Introduction of environmental infrastructure through joint study (Yokohama City and Da Nang City)



<Details of collaboration>

- ✓ Study on introduction of energy-saving equipment into water supply projects

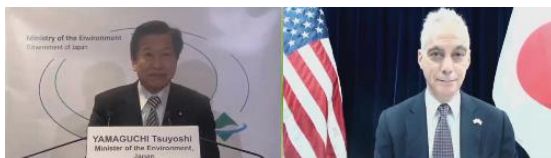
➔ **Applying decarbonized technologies with JCM grants**
(Installation of energy efficient pumps in Water Supply Joint Stock Company Da Nang)

➔ **Replicating similar projects in other cities**
(Energy efficient water intake pumps at the Ho Chi Minh City Water Treatment Plant)

- In March 2022, **the U.S. and Japan co-hosted** the "Zero Carbon City International Forum" based on the "U.S.-Japan Global Subnational Zero Carbon Promotion Initiative".
- 22 cities and 10 organizations from 14 countries took the stage to **share advanced examples of cities** and discussed ways to further promote their efforts, confirming **the importance of national and subnational cooperation and international city-to-city collaboration**.

Organizers:

Ministry of the Environment, Japan
Office of Special Presidential Envoy for
Climate, the United States of America



Co-Organisers:

UNFCCC, ICLEI, IGES

Collaborators:

OECD, GCOM

Venue:

Online,
Simultaneous
Japanese-English
interpretation

Scan here to visit the
website and video.



DAY1 3/9 10:00-12:15 (JST) / 3/8 20:00-22:15 (EST)

● Opening Remarks

- **KISHIDA Fumio, Prime Minister, Japan (video message)**
- **Minister of the Environment, YAMAGUCHI Tsuyoshi**
- **Rahm Emanuel, United States Ambassador to Japan**

● Framing Session

- **Patricia Espinosa, Executive Secretary, UNFCCC**

- Session 1: How cities are moving towards zero carbon
- Session 2: National-subnational and city-to-city cooperation
- Closing Remarks

DAY2 3/10 21:00-23:15(JST), 7:00-9:15(EST)

● Opening Remarks

- Session 1: City-to-City Collaboration: accelerating the decarbonization domino
- Session 2: trends and initiatives to promote transition in key areas
- Session 3: Pursuing Resilient Cities
- Session 4: Zero Carbon Urban and Town Development
- Closing Plenary & Closing remarks

Domestic Measures

- **Work closely between the national government and local governments**
- **Regional Decarbonization Roadmap**
- **100 Decarbonization Leading Areas by 2030**
- **All Zero Carbon City by 2050**



International Cooperation

- **city-to-city collaboration**
- **international forum**

(In addition)

Promote further cooperation activities in cooperation with other countries and international organizations

Thank you for your kind attention



Ministry of the Environment