

International Cooperation Projects through Public-Private Partnerships by City of Yokohama



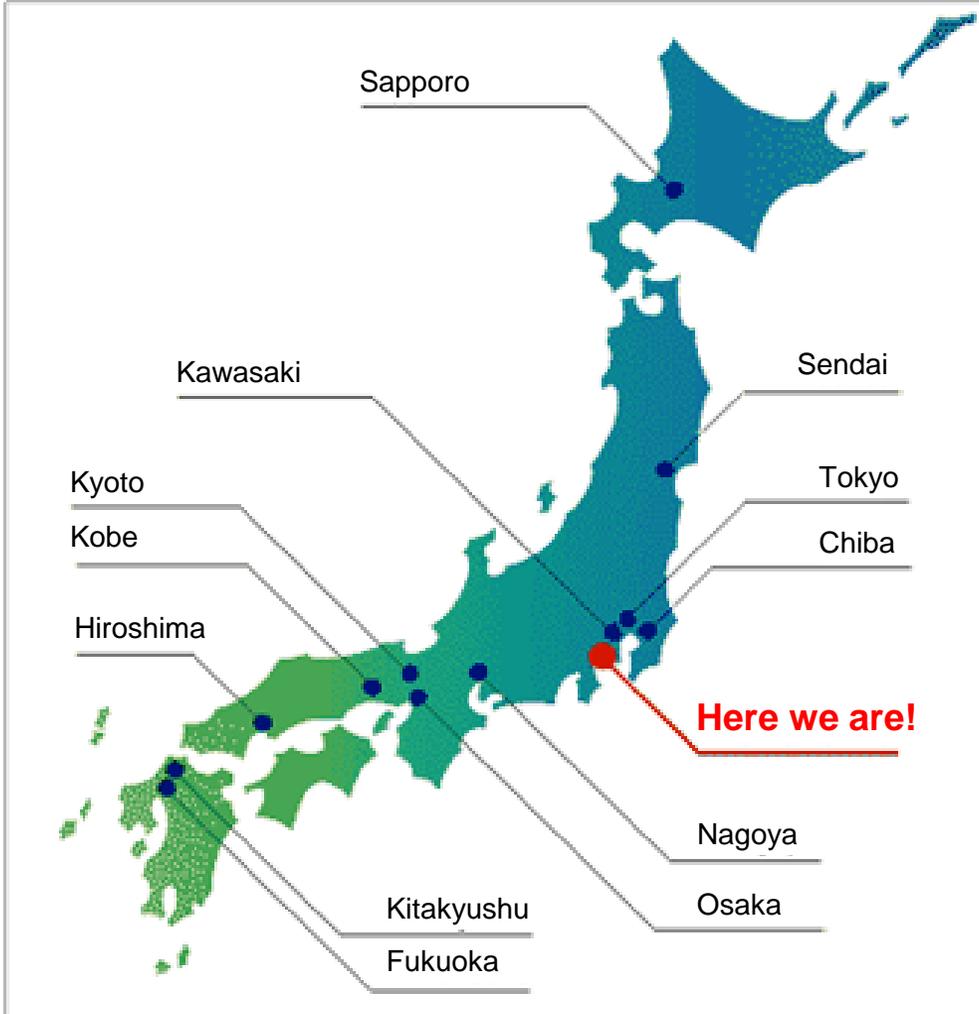
Noriaki Yokouchi

**Director for Development Cooperation, International Affairs Bureau
City of Yokohama**

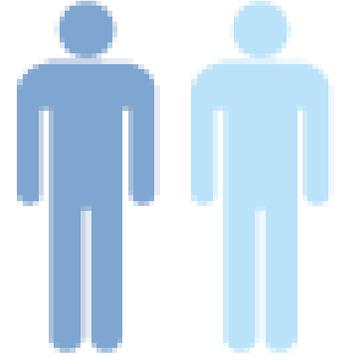
Profile of Yokohama



Location of Yokohama



Population: 3.77 million
Households: 1.77 million



Area: 435 km²



Major International Conferences and Events



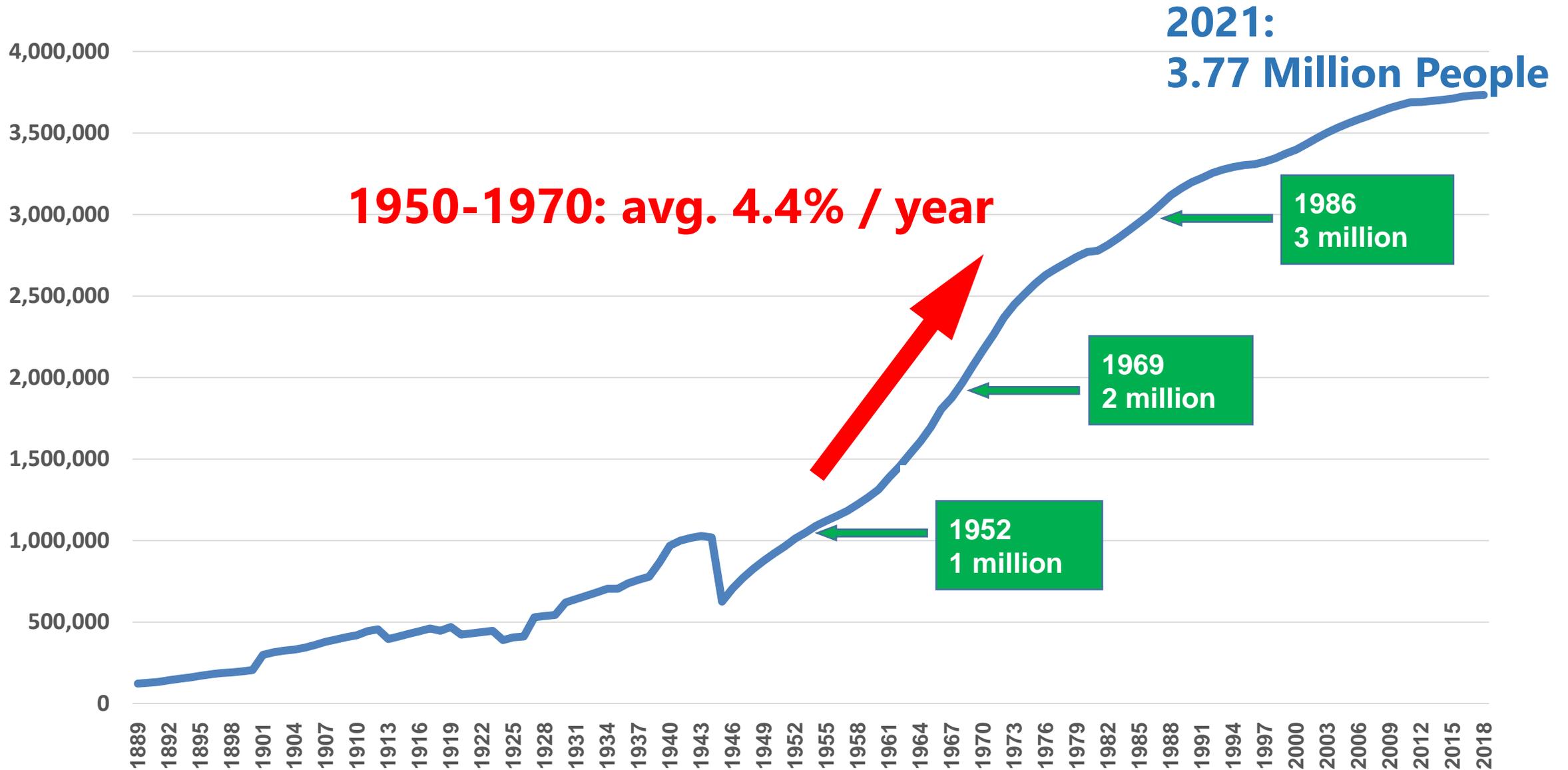
Creative Cities and Cultural Interaction



YOKOHAMA TRIENNALE



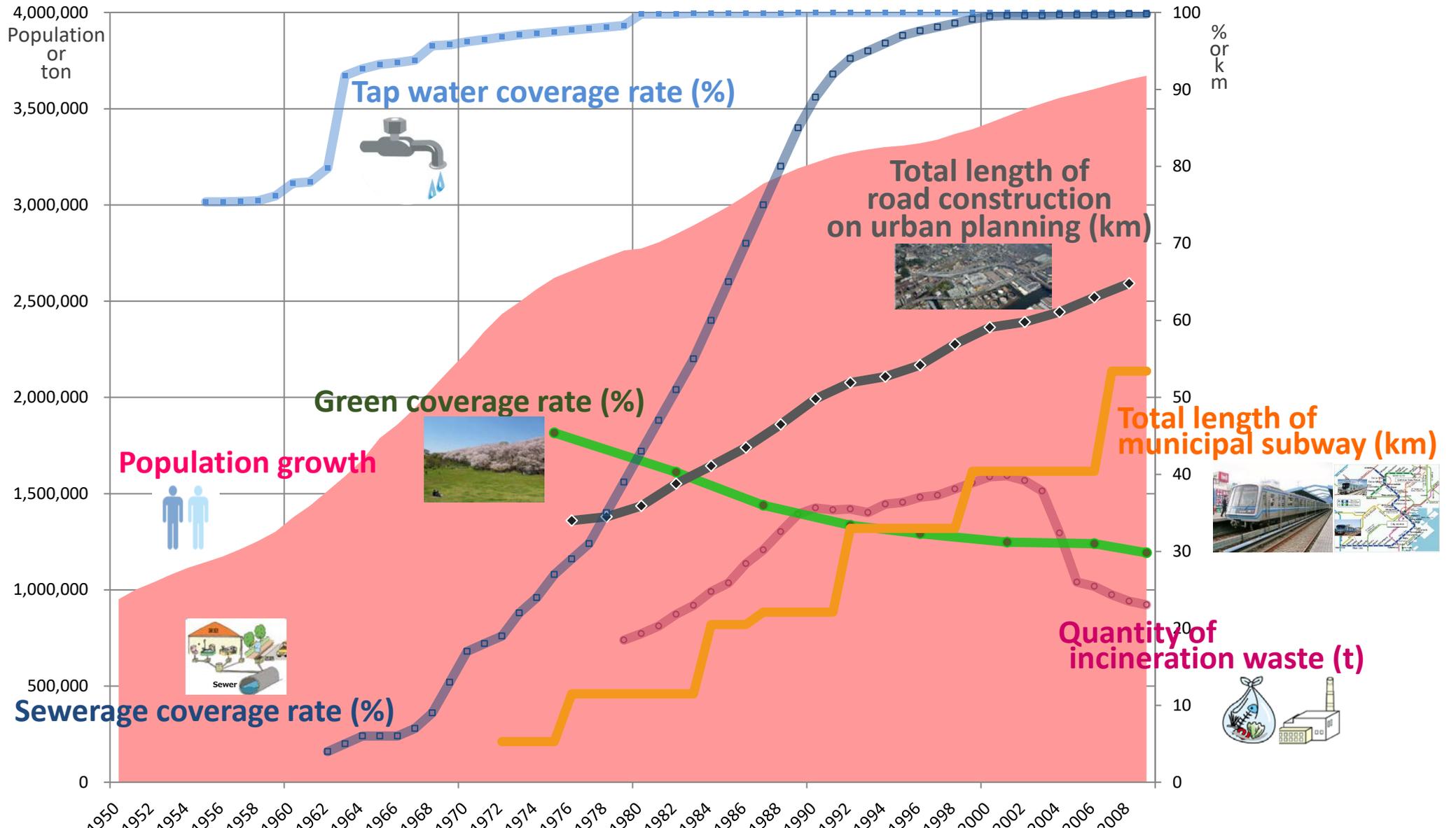
Rapid Population Growth



Challenges Caused by Urbanization



Infrastructure Development



Urban Development in Yokohama City



Outline of Y-PORT program

Yokohama's Strength

Experiences in Urban Development



Technologies of Yokohama Based Companies



Y-PORT

Yokohama Partnership of Resources and Technologies

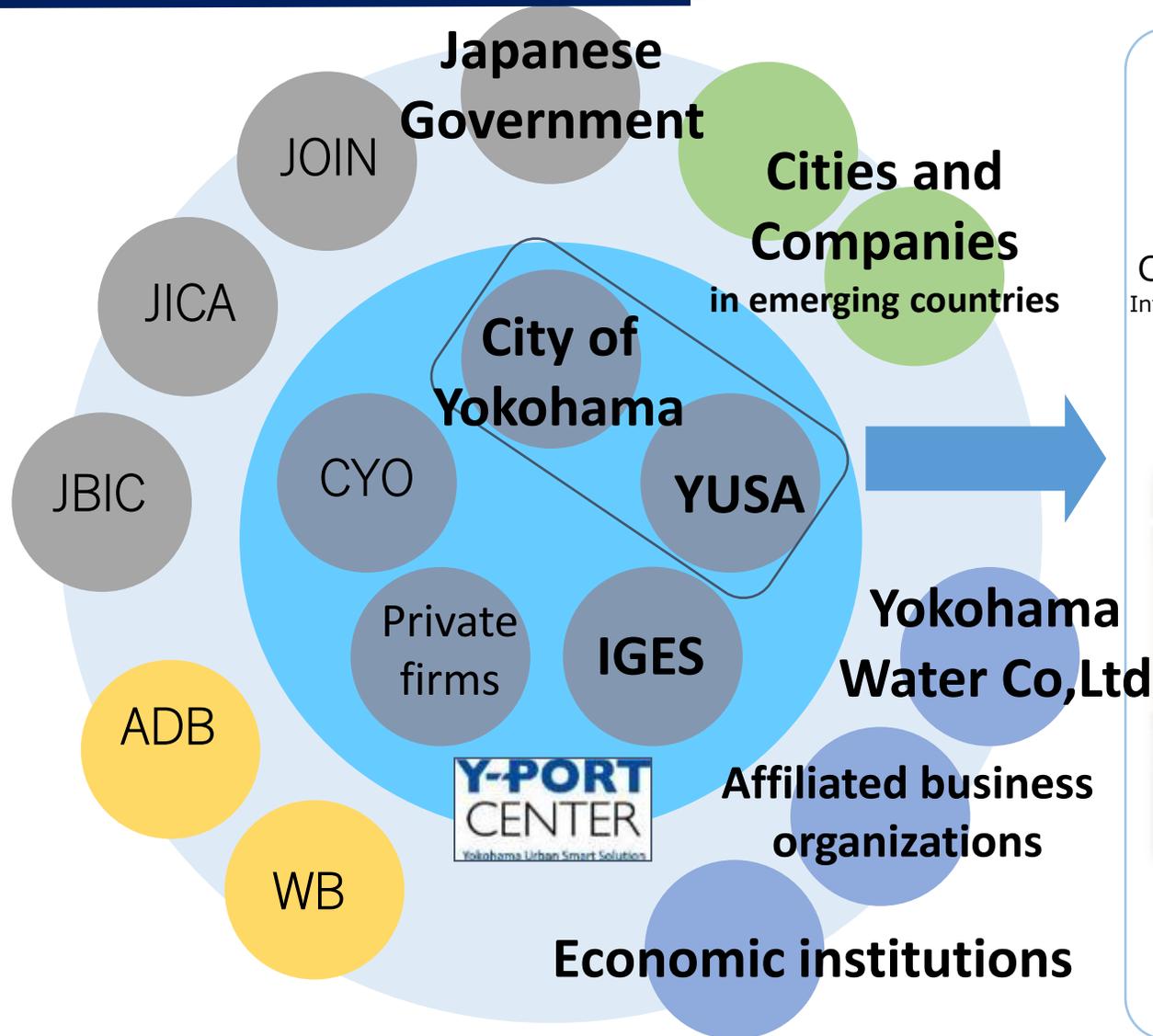
- ✓ Since 2011
- ✓ International Technical cooperation through PPP

Objectives

International
Contribution

Expansion of
Businesses of SMEs

Y-PORT Center – Platform for Promoting Projects -





Citi of Yokohama
International Affairs Bureau



YUSA
(一社) YOKOHAMA
URBAN SOLUTION
ALLIANCE





Y-PORT Center PPP Office

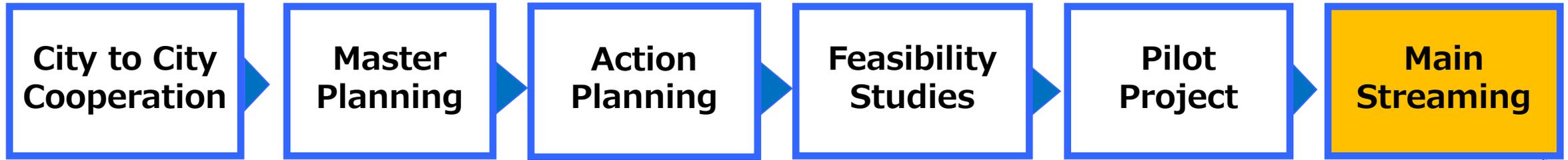


City of Yokohama



Cooperation Agreement between YUSA and City of Yokohama, 2017

Consistent Support from Upstream Planning to Commercialization



Promote the implementation of technical cooperation and commercialization through the Da Nang Urban Development Forum



Metro Cebu development vision & roadmap: Formulated with support from Yokohama & JICA



Metro Cebu Urban Development Forum



JICA support for Japanese SMEs' overseas business development (Demonstration test of sludge dewatering system by Amcon Inc., a Yokohama-based SME)



Project for the Septage Management of Metro Cebu Water District: Grant-in-aid through collaboration with local government

Y-PORT's major activity locations

「持続可能な都市の発展に向けた技術協力に関する覚書」を締結した都市

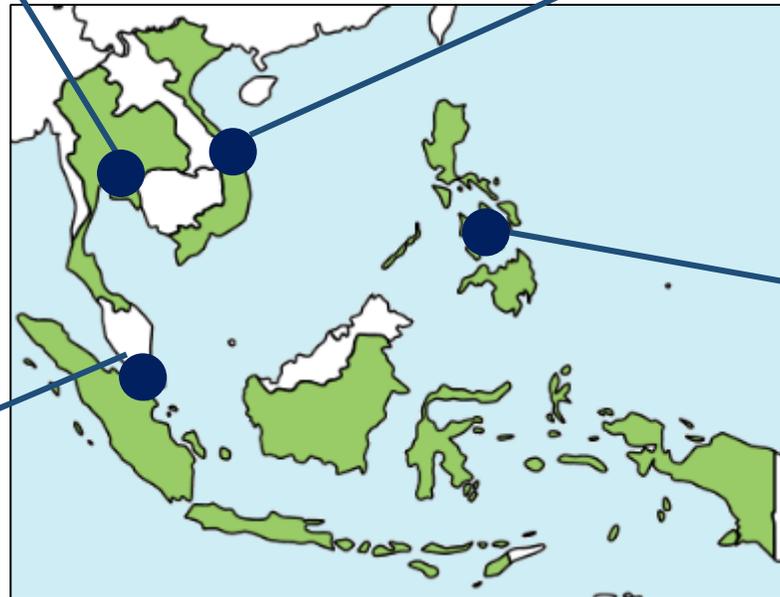
バンコク



- Bangkok Master Plan on Climate Change
- Installation of rooftop solar generators and energy management systems at factory

ダナン

- Da Nang Urban Development Action Plan
- Energy efficiency diagnostic service for hotels, factories, etc.
- Installation of high-efficiency pumps at Da Nang Water Supply facility



バタム



- Support for development of green building regulations

セブ



- Mega Cebu Roadmap 2050
- Waste plastic recycling
- High-efficiency treatment of septage

Smart city projects in collaboration with Yokohama Urban Solution Alliance (YUSA)

- Chonburi, Thailand's Eastern Economic Corridor (EEC)
- Ha Long & Long Thanh, Vietnam
- Northern Laos
- Suburban Yangon, Myanmar



Philippines mid-sized city & private development

Sewage measures, etc. in collaboration with the Philippines Department of Tourism

Suva, Fiji / Ulaanbaatar, Mongolia

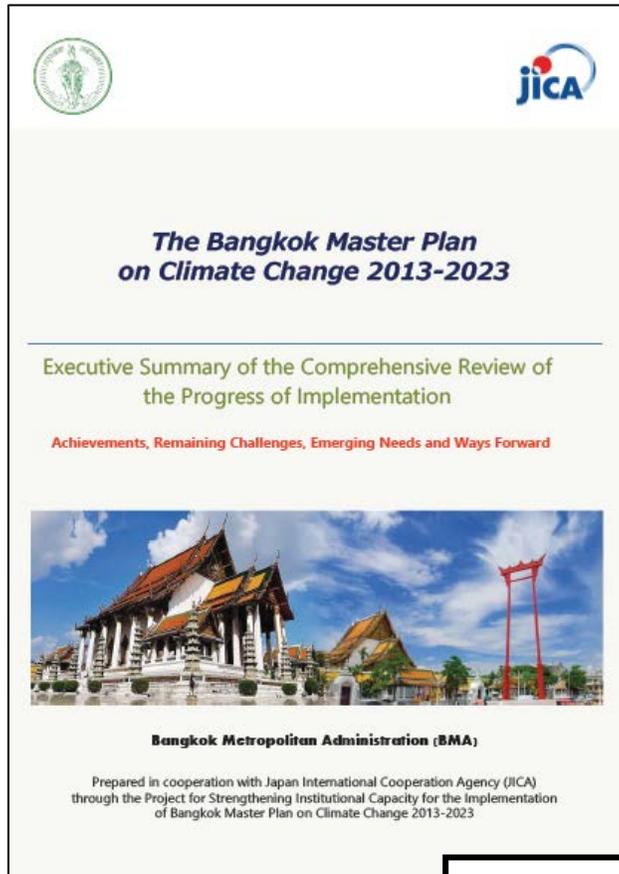
Collaboration with ADB & other partners (waste processing, disaster prevention, sewage, etc.)

Examples of operationalization of projects assisted by Y-PORT

As of March 31, 2021

 <p>SME</p> <p>12 持続可能な消費と生産 13 気候変動 17 パートナーシップ</p> <p>(1) Waste plastic recycling in Metro Cebu, Philippines: Guun Co., Ltd. (Kanazawa Ward)</p>	 <p>SME</p> <p>6 持続可能な水と衛生 13 気候変動 17 パートナーシップ</p> <p>(2) Installation of high-efficiency pumps at Da Nang Water Supply in Da Nang, Vietnam: Yokohama Water Co., Ltd. (Naka Ward)</p>	 <p>SME</p> <p>6 持続可能な水と衛生 17 パートナーシップ</p> <p>(3) Delivery of sludge dehydrator to sewage treatment plant in Baguio, Philippines: Amcon Inc. (Kohoku Ward)</p>	 <p>SME</p> <p>7 持続可能なエネルギー 13 気候変動 17 パートナーシップ</p> <p>(4) Supply of electricity to factory in Bangkok, Thailand from rooftop solar generator and advanced energy management system: Finetec Co., Ltd. (Midori Ward)</p>
 <p>SME</p> <p>6 持続可能な水と衛生 17 パートナーシップ</p> <p>(5) Water leak detection training for Bangalore Water Supply and Sewerage Board staff in Bangalore, India: Suidou Technical Service Co., Ltd. (Asahi Ward)</p>	 <p>YUSA</p> <p>9 持続可能な産業とイノベーション 7 持続可能なエネルギー 11 持続可能な都市とコミュニティ 17 パートナーシップ</p> <p>(6) Consultation in support of smart city development at industrial park for Amata Corp. in Chonburi, Thailand: YUSA (Naka Ward)</p>	 <p>YUSA</p> <p>9 持続可能な産業とイノベーション 7 持続可能なエネルギー 11 持続可能な都市とコミュニティ 17 パートナーシップ</p> <p>(7) Consultation in support of smart industrial park development planning for private sector in Chachoengsao, Thailand: YUSA (Naka Ward)</p>	 <p>Large enterprise</p> <p>6 持続可能な水と衛生 17 パートナーシップ</p> <p>(8) Construction of Yen Xa wastewater treatment plant in Hanoi, Vietnam: JFE Engineering Corp. (Tsurumi Ward)</p>
 <p>SME</p> <p>6 持続可能な水と衛生 17 パートナーシップ</p> <p>(9) Delivery of water improvement system to hotel in Zamyn-Uud, Mongolia: Toshi Kogyo Co., Ltd. (Minami Ward)</p>	 <p>SME</p> <p>9 持続可能な産業とイノベーション 13 気候変動 17 パートナーシップ</p> <p>(10) All-in-one energy efficiency support services for private-sector factories etc. in Da Nang, Vietnam: Osumi Co., Ltd. (Seya Ward)</p>	 <p>YUSA</p> <p>9 持続可能な産業とイノベーション 7 持続可能なエネルギー 11 持続可能な都市とコミュニティ 17 パートナーシップ</p> <p>(11) Consultation in support of smart city development in Thailand, Laos & Myanmar for Amata Corp.: YUSA (Naka Ward)</p>	 <p>YUSA</p> <p>9 持続可能な産業とイノベーション 7 持続可能なエネルギー 11 持続可能な都市とコミュニティ 17 パートナーシップ</p> <p>(12) Consultation in support of smart city development in Quang Ninh, Vietnam for Amata Corp.: YUSA (Naka Ward)</p>
 <p>SME</p> <p>6 持続可能な水と衛生 17 パートナーシップ</p> <p>(13) Delivery of water pipe leak detectors in Ho Chi Minh City and elsewhere in Vietnam: Suidou Technical Service Co., Ltd. (Asahi Ward)</p>	 <p>SME</p> <p>6 持続可能な水と衛生 17 パートナーシップ</p> <p>(14) Delivery of sludge dehydrator to private-sector factories in Metro Cebu and elsewhere in the Philippines: Amcon Inc. (Kohoku Ward)</p>	 <p>SME</p> <p>6 持続可能な水と衛生 13 気候変動 17 パートナーシップ</p> <p>(15) Energy efficiency improvement for water intake pumps in Ho Chi Minh City, Vietnam through installation of inverters: Yokohama Water Co., Ltd. (Naka Ward)</p>	 <p>YUSA</p> <p>9 持続可能な産業とイノベーション 7 持続可能なエネルギー 11 持続可能な都市とコミュニティ 17 パートナーシップ</p> <p>(16) Consultation in support of smart city development in Thailand, Laos, Myanmar & Vietnam for Amata Corp.: YUSA (Naka Ward)</p>

Case 1 in Bangkok



Climate Change Countermeasures (JICA Technical Cooperation Project)

Formulation and Implementation of the Bangkok Master Plan on Climate Change 2013-2023

Yokohama City cooperates through JICA technical cooperation project;

- ✓ Dispatch of policy and technical experts (Yokohama City officials) for advising BMA
- ✓ Receives BMA officials study tour

For jointly drafting Master Plan and developing mitigation and adaptation activities, and institutional arrangements

Bangkok Master Plan on Climate Change

Transportation

Energy

Waste/Wastewater

Urban Green Plan

Adaptation measures

Case 2 in Bangkok

Renewable Energy

JCM model project on Introduction of rooftop solar PV and advanced energy management system in a factory in Bangkok



Case 1 in Da Nang

Energy Saving



Energy saving diagnosis and CO2 emission reduction

Yokohama based company established overseas subsidiary in Da Nang.
(YUSA Da Nang Representative)



Case 2 in Da Nang

Water Supply

JCM model project on Introduction of High Efficiency Water Pumps at the Cau Do Water Treatment Plant



Case 1 in Metro Cebu

Wastewater

Pilot project of highly efficient sludge dewatering equipment with support of JICA



JICA Grant Aid Project for construction of septic tank sludge treatment plant in Metro Cebu (Covering 220,000 Households)



Case 2 in Metro Cebu

Solid Waste

Verification survey for plastic recycling with support of JICA



Yokohama based company established recycling facility that produce alternative fuel for cement factory



Infrastructural Business Development Cycle Envisioned for Y-PORT projects



Disseminate the Yokohama Model / Form an urban development knowledge hub



Asia Smart City Conference



Galerio (Y-PORT Center)



Y-PORT workshops & partnering with Yokohama businesses

City-to-city cooperation / Business matching

Support for upstream planning (identification of local needs & priority projects)



Urban development forums & business matching

Feasibility studies for technology deployment / Shift to contracting by local entities



Accumulation & rollout of best practices

Advancing partnerships & co-creating business opportunities with cities in emerging economies

Asia Smart City Conference

- International conference that brings together key influencers from across Asia to discuss how to achieve sustainable urban development that balances economic growth with a sound urban environment
- Held annually since 2012

Highlights of 10th ASCC (2021)

- ◆ Disseminated insights to the world from Galerio in Yokohama (October 26-28)
- ◆ Discussions by over 70 speakers from government, private sector, international organizations, and more
- ◆ Approx. 1,400 participants in online Q&A and exchanges
- ◆ Publicity for Yokohama businesses' technologies in the ASCC's first-ever virtual exhibition

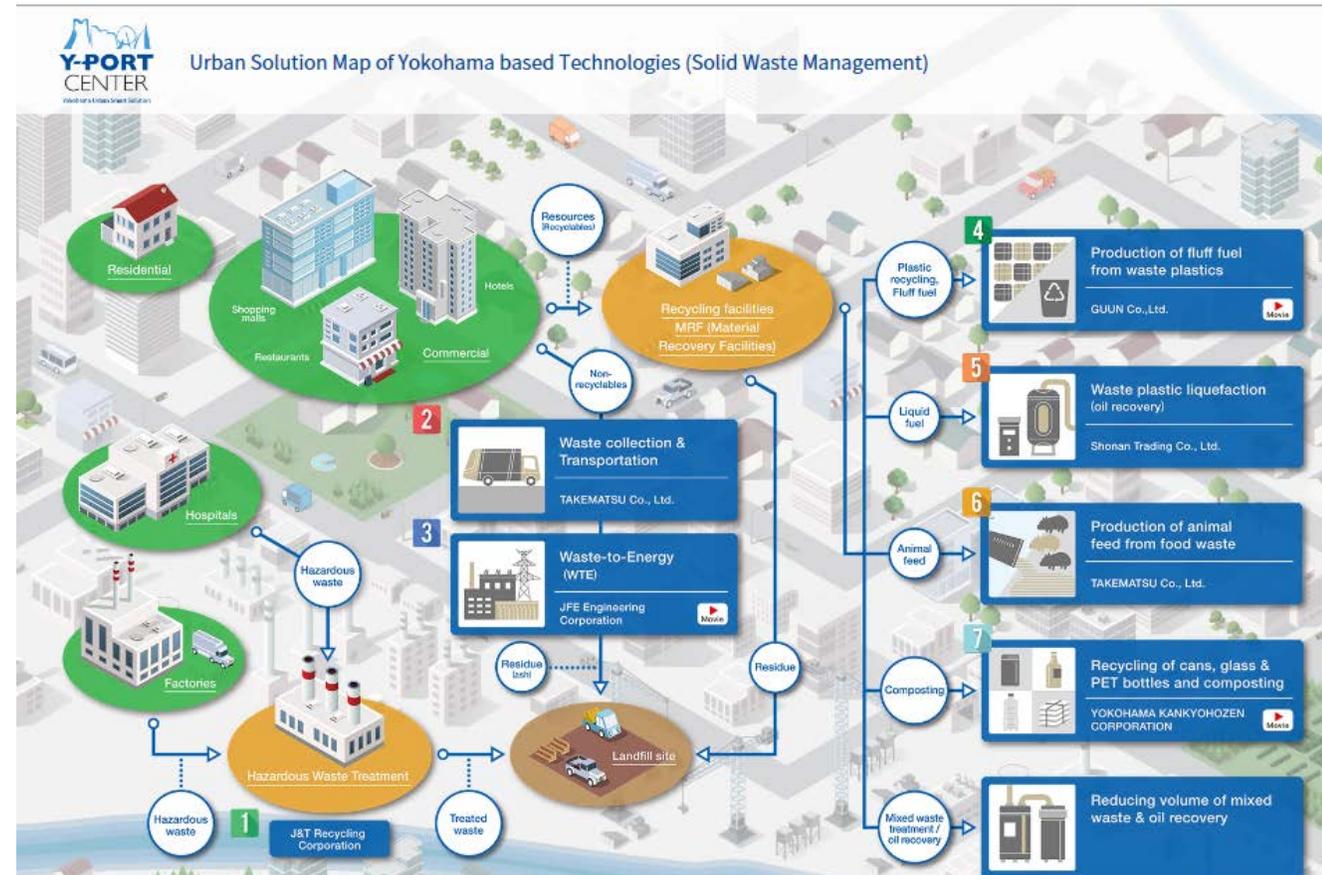


Solution Development for Y-PORT Projects

Y-PORT workshop in collaboration between public and private sectors aiming for discussing solutions of urban issues in emerging countries

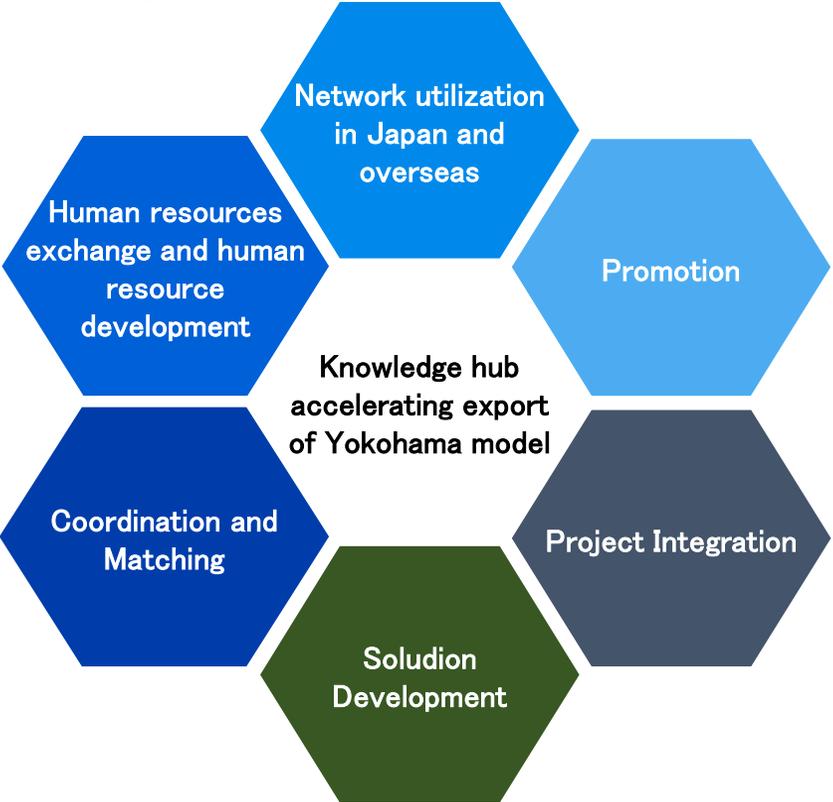


Solution mapping with technologies of private companies



<https://yport.city.yokohama.lg.jp/solutionmap/en/p1.html>

Enhancement of Y – PORT Center as a Knowledge Hub



Large space for promoting online conferences and workshops with overseas cities and international organizations

Sharing knowledge and know-how utilizing 3D model of Minatomirai area (Planned)



Visit our website



URL: <https://yport.city.yokohama.lg.jp/en>

Contact us

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