



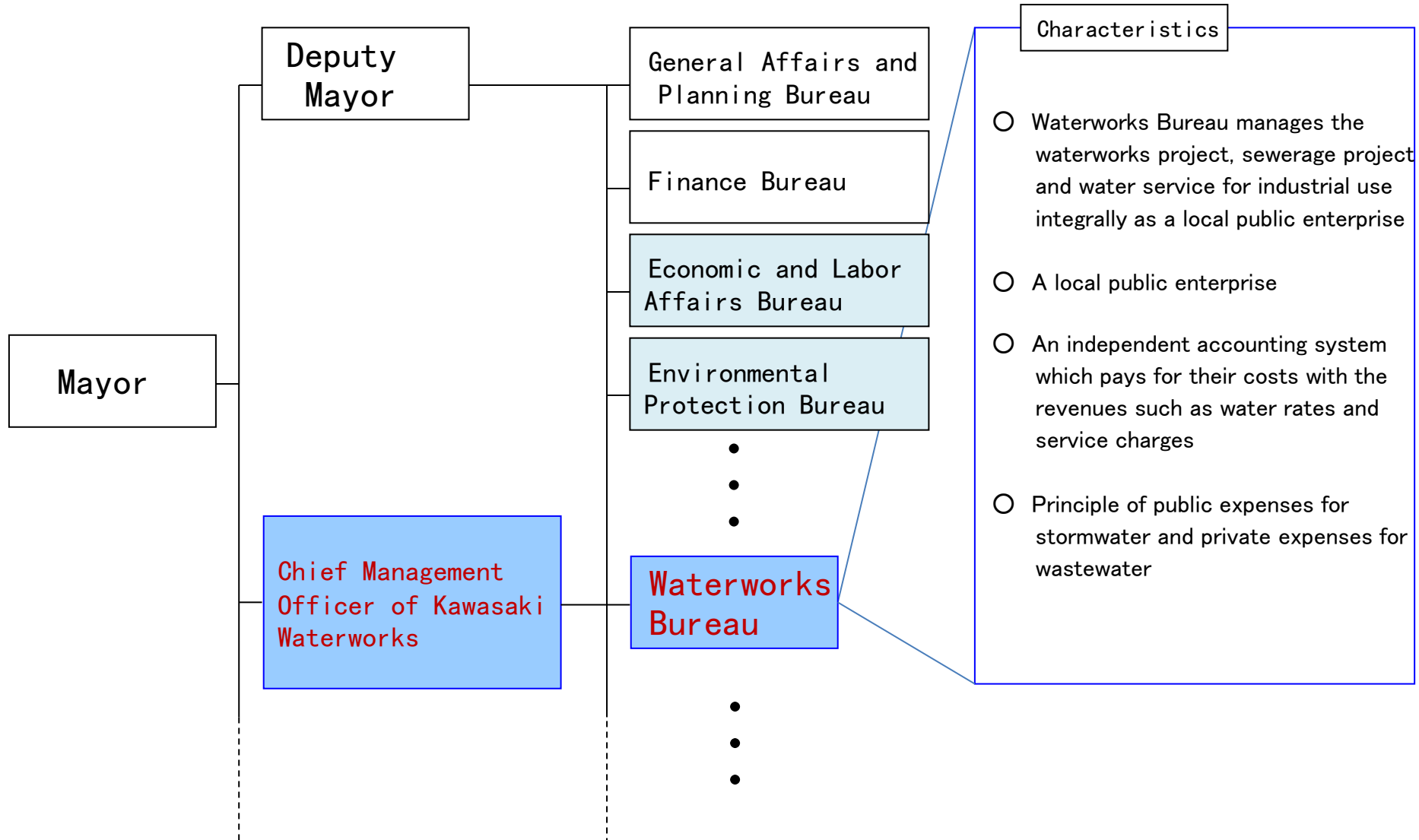
***Kawasaki Waterworks Bureau  
Our Activities for International Contribution***

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  - Public-Private Partnership
  - Technical Cooperation

## Organizational Structure of Kawasaki City





## *Kawasaki city manages 3 water-related system*

### Waterworks

Operation start : In 1921

Population served : 1,495,999 per.

Water supply capacity : 758,200 m<sup>3</sup>/D

Number of plants : 1 Length of pipeline : 2,404 km



### Industrial Water System

Operation start : In 1937 [Japan's First]

Water supply companies : 58 (80factories)

Water supply capacity : 520,000 m<sup>3</sup>/D

Number of plants : 2 Length of pipeline : 44.095 km



### Sewerage System

Operation start : In 1935

Sewered population : 1,487,834 per.

Treatment capacity : 918,000 m<sup>3</sup>/D

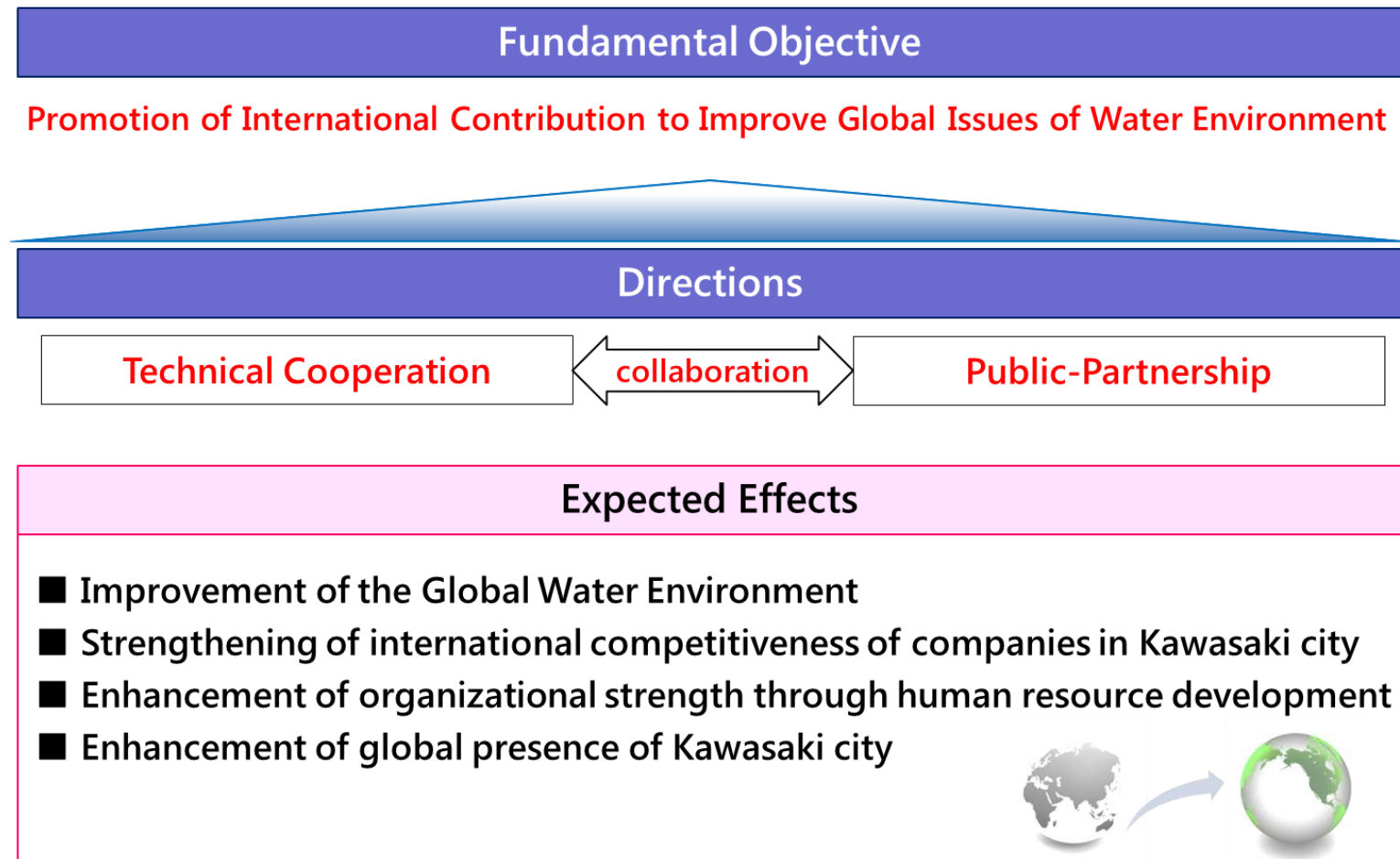
Number of plants : 4 Length of pipeline : 3,120 km



# Activities for International Contribution

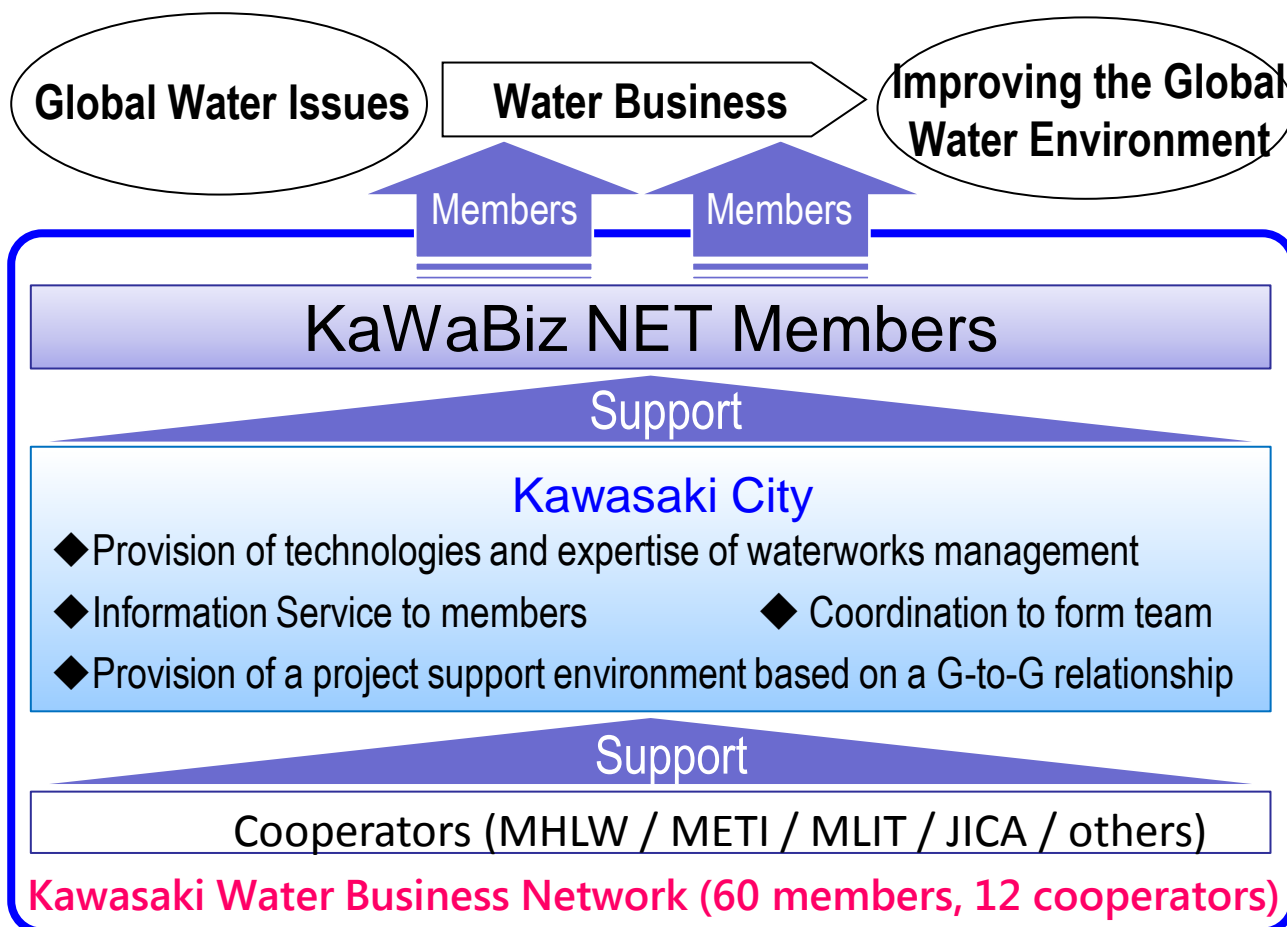
Kawasaki City is promoting international contribution based on two directions, which consists of international contribution through public-private partnership and international contribution through technical cooperation, to improve global issues of water environment.

## *Conceptual Diagram of Implementation Policy*



## Activity of Kawasaki Water Business Network

A platform for the promotion of water businesses, the Kawasaki Water Business Network (KaWaBiz NET) was established in August 2012.



The 2017 General meeting of KaWaBiz NET

## Organizational Structure of KaWaBiz NET

### Kawasaki Water Business Network (KaWaBiz NET)

Chairman : Akira Koizumi, Dr. Eng. (Professor Emeritus, Graduate School of Urban Environmental Sciences, Tokyo Metropolitan Univ.)

Special Adviser : Mayor of Kawasaki City/ Chairman of the Kawasaki Chamber of Commerce & Industry

Domestic

Overseas

#### Cooperators (Ministries & Agencies)

Ministry of Health, Labour and Welfare /  
Ministry of Economy, Trade and Industry  
/Ministry of Land, Infrastructure,  
Transport and Tourism

#### Cooperators (Affiates)

Japan International Cooperation Agency /  
JAPAN BANK FOR INTERNATIONAL  
COOPERATION /  
JAPAN WATER WORKS ASSOCIATION /JAPAN  
EXTERNAL TRADE ORGANIZATION JETRO  
YOKOHAMA /  
JAPAN SEWAGE WORKS ASSOCIATION /  
Kawasaki City Industrial Promotion  
Foundation/  
UNITED NATIONS INDUSTRIAL  
DEVELOPMENT ORGANIZATION

#### Member (Water-related companies & Associations)

58

#### Board of Directors

ITOCHU Corporation/The  
Kawasaki Chamber of  
Commerce & Industry/JFE  
Engineering  
Corporation/Toshiba  
Infrastructure systems and  
solutions  
corporation/Mizuho Bank,  
Ltd./The Bank of  
Yokohama, Ltd./City of  
Kawasaki

#### Cooperators (Overseas Government)

Danang Representative  
Office in Japan /  
Queensland Government  
Trade and Investment  
Office- Japan

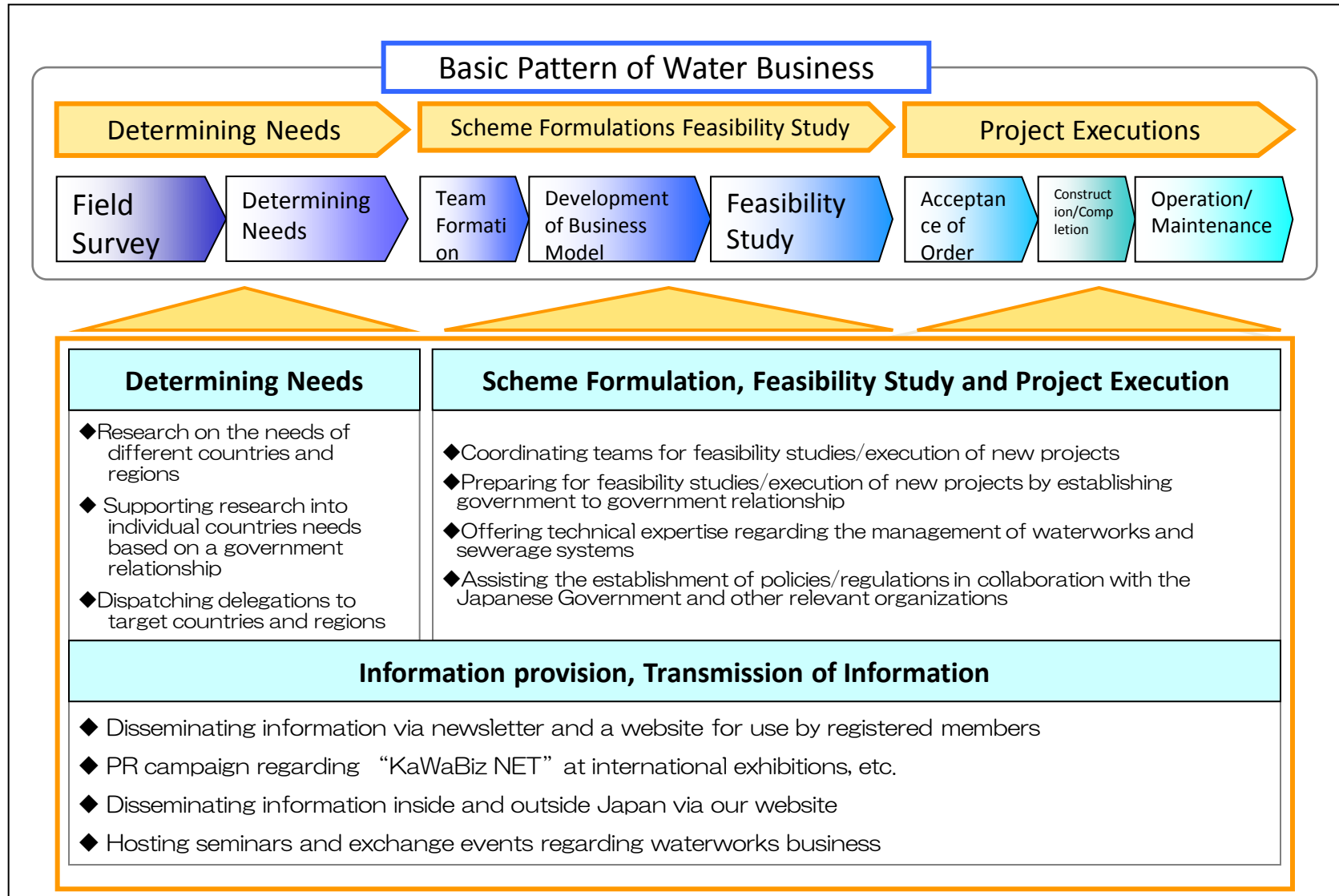
#### Member

Private Co.	Municipality	Total
58	1	60

#### Cooperator

Ministries & Agencies	Affiates	Overseas Government	Total
3	7	2	12

## Activity Model of KaWaBiz NET





# Public-Private Partnership

## The main initiatives of KaWaBiz NET

- “Kawasaki Water Business Network” (KaWaBiz NET) supports the overseas water-related business to enhance international water environment under the cooperation between the companies and City of Kawasaki.

### (1) Bandung City, Indonesia



Held the Indonesia Bandung Development Seminar (2017.3)



Members and Kawasaki City conducted the public-private joint needs survey(2017.10)



# Public-Private Partnership

## The main initiatives of KaWaBiz NET

(2) Yangon City,  
Myanmar



(3) Queensland,  
Australia



Member and Kawasaki City joined the JCM project (2017.8)



Members and Kawasaki City accepting an order for the advisory service conducted FS on decentralized sewerage and recycled water system (2014.1)



# Public-Private Partnership

## The main initiatives of KaWaBiz NET

### (4) Ba Ria-Vung Tau, Vietnam



Member's proposal was adopted at the Ministry of Health, Labor and Welfare, and they conducted a survey into the improvement of the water in the Côn Đảo district along with members (2014.10-2015.3)



A proposal from a member was adopted by Ministry of Land, Infrastructure and Transport in which the member and Kawasaki City carried out joint research in order to improve sewage environment water in the Côn Đảo district (2015.10-2016.3)





# Public-Private Partnership

## The main initiatives of KaWaBiz NET

### (5) Information transmission, other initiatives

“KaWaBiz NET Corner” in the  
“Mizu to Kagayaku mirai-kan



Having a booth at Kawasaki  
International Eco-tech Fair  
2017(2017.2)



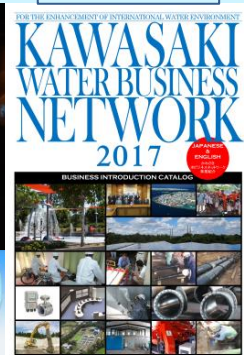
Producing brochure and  
other PR media to introduce  
the KaWaBiz Net

PV



Web page

Brochure





## International Contribution through technical cooperation

Kawasaki City has been providing technical cooperation in the waterworks and sewerage sector, including the dispatch of officials and acceptance of trainees from overseas in accordance with requests from JICA and other organizations

### ➤ JICA Partnership Program(JPP)(Local Government Type) “Project on Capability Enhancement for Taking Measures against Underground Water Leakage in Makassar City” – Towards Effective Use of Water Resources - (2017- )



A proposal from Kawasaki City was adopted by JICA, and Kawasaki City will implement technical cooperation for underground water leakage countermeasure to reduce non-revenue water in Makassar City, Indonesia.

Project period : FY2017-FY2021 ( 3 years)

Project formation : (Japan side) Kawasaki City Waterworks Bureau, Members of KaWaBiz NET  
(Indonesia side) PDAM Makassar

Main initiatives: Staff of Kawasaki City Waterworks Bureau will transfer techniques to Makassar City, and staff of PDAM Makassar will be trained in Kawasaki City.

Output1: An underground leakage survey program will be prepared for the pilot areas, and underground leakage survey and leakage repair work will be executed accordingly.

Output2: Candidate instructors' capability of detecting underground leakage will be enhanced.

Output3: Candidate instructors' leak repairing techniques will be enhanced.

Output4: The activity result of the Project and the leak prevention techniques will be shared and disseminated through workshop and a wrap-up seminar.



Survey  
in Makassar City

## International Contribution through technical cooperation

### ➤ JICA “The Capacity Development Project for Improvement of Management Ability of Water Supply Authorities” (2012-2017)

We have dispatched 11 officials as short-term expert cooperating with Saitama City, Saitama Pref., and Yokohama City, and have given trainings for Laotian trainees four times in Kawasaki to develop the management capacity in a medium- and long-term perspective for Water Supply Authorities in Lao P.D.R.



Technical Assistance for On-site Survey



Technical Assistance for Water Examination System



Acceptance of Laotian Trainees

### ➤ JICA “A Project for Capacity Development on Sewerage Management in Ho Chi Minh City, Vietnam” (2009-2010)

We dispatched our official as short-term expert and we accepted Vietnamese trainees to develop the sewerage management system in Ho Chi Minh City.



Technical Assistance

### ➤ JICA “A Project for Capacity Development on Non-revenue Water Control for Sanitation Company of the State of Sao Paulo, Brazil” (2008-2010)

Our officials were dispatched to Sao Paulo and they gave technical supports on water leakage management for the effective use of water resources by reducing non-revenue water.



International Seminar

## Acceptance of Overseas Trainees / Visitors

We've given the lectures and provided site visit programs regarding waterworks and sewerage system for 822 trainees / visitors from 49 countries / regions since 2011 (As of Mar. 2017)



### “Advanced Alliance Agency” in the Field of Sewerage System **WES Hub**



WES Hub (Water and Environment Solution Hub) is an alliance of local governments in Japan, having advanced experiences in policies and technologies of water, wastewater and environment, cooperating with MLIT (Ministries of Land, Infrastructure, Transport and Tourism). City of Kawasaki was admitted by MLIT in Mar. 2013 and tackles with disseminating the information of Japanese sewerage technologies and policies.



Training in Iriezaki Wastewater Treatment Center



Disseminating Information of Sludge Treatment Technologies in Vietnam

A background image showing a series of concentric ripples on a light blue water surface, centered around a point where a drop of water has just fallen. The ripples are most prominent in the middle of the frame and fade out towards the top and bottom.

**Thank you for your attention!**