

# Outlines of JCM City-to-City Collaboration Between DKI-JKT and Kawasaki



December 7, 2017

# 1 : About Kawasaki city

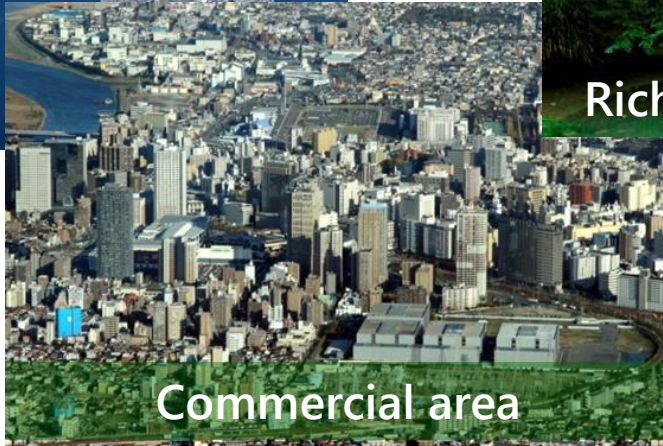
Items	 Jakarta	 Kawasaki
Population	Approx. 10 million	Approx. 1.5 million
Area	662 [km2]	144.35 [km2]
City budget	Approx. 5.3 billion USD	Approx. 10 billion USD
Gross regional product	164 billion USD	492.56 billion USD



Kawasaki port



Rich natural environment



Commercial area



Industrial area



## 2 : Major corporations

### SUNTORY

商品開発センター

### HITACHI

Inspire the Next

情報・通信グループ、  
システム開発研究所 川崎ラボラトリ

### FUJITSU

本店、川崎工場

### NEC

玉川事業場、中央研究所

### TOSHIBA

Leading Innovation >>>

研究開発センター、  
ソフトウェア技術センター  
小向工場、  
小向S A システム工場、  
浜川崎工場  
マイクロエレクトロニクスセンター

### AJINOMOTO

川崎事業所（工場）、  
知的財産センター、  
生産技術開発センター、  
ライフサイエンス研究所、  
健康基盤研究所、  
加工食品開発・工業化センター、  
調味料開発・工業化センター、  
アプリケーションセンター、  
アミノサイエンス研究所、  
発酵技術研究所、  
生産統括センター、医薬研究所

### Nippon ZEON

川崎工場、総合開発センター

### AsahiKASEI

川崎製造所

### YAKIN Kawasaki

### 花王 Kao

川崎工場



### Tonen General Sekiyu

川崎工場、東燃化学川崎工場、中央研究所



### Tokyo Electric Power

川崎火力発電所、東扇島火力発電所



### JFE Steel

東日本製鉄所



### Nippon Oil

川崎事業所  
川崎天然ガス発電(株)

### TOKYO GAS

川崎天然ガス発電(株)



### Showa Denko

川崎事業所、研究開発センター、  
生産技術センター

### Nisshin Seifun



鶴見工場

### Canon

矢向事業所、玉川事業所、小杉事業所  
生産技術拠点

### Pioneer

sound.vision.soul

研究開発拠点



### Mitsubishi Fuso Truck & Bus

本社



**Number of Research & Development institutes : Over 400 facilities**

### 3 : Historical background ( featuring on the environment )

Rapid Economic growth & Industrial Pollution in Kawasaki ( 1960s – 70s )



Industrial pollutions



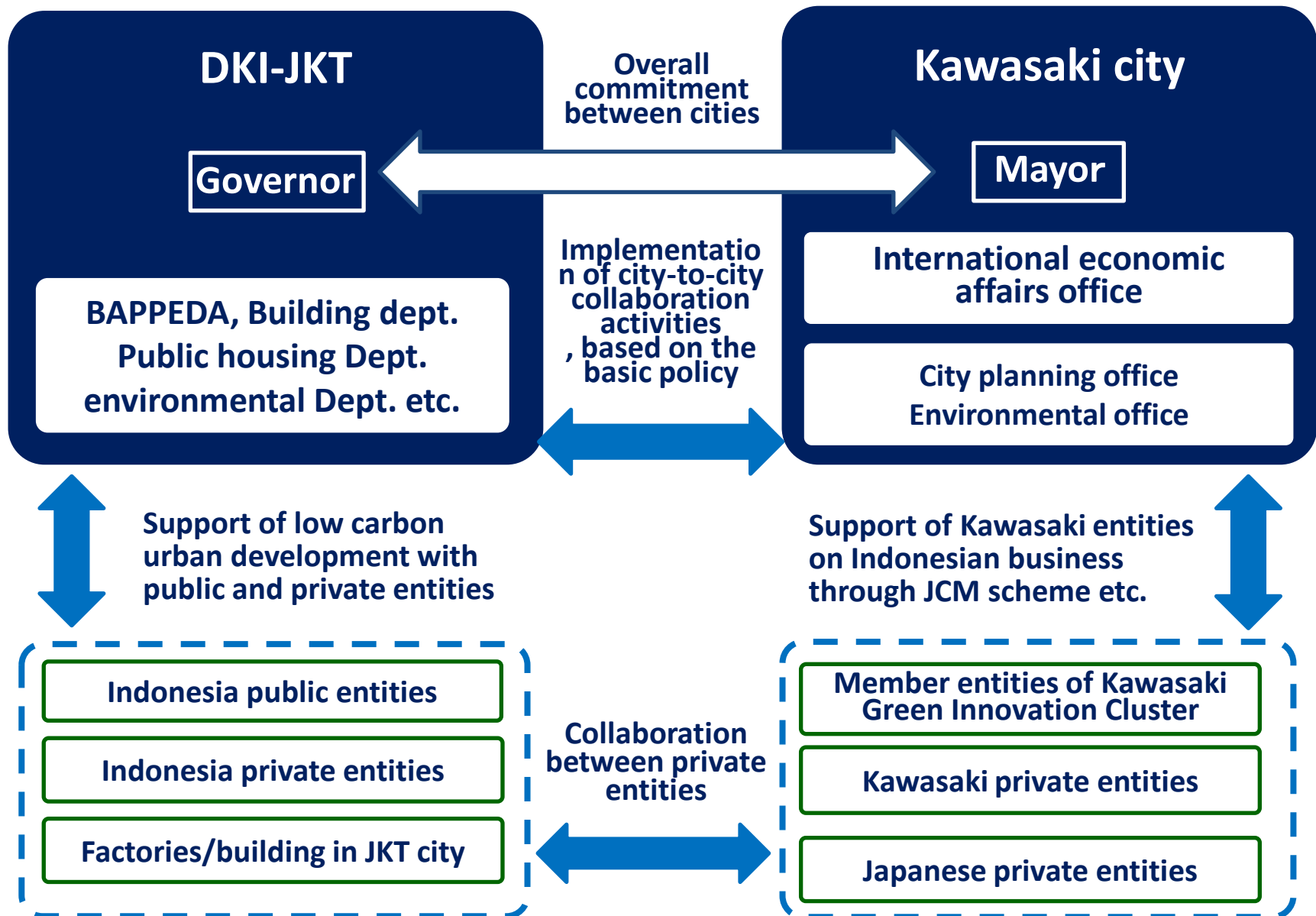
### 3 : Historical background ( featuring on the environment )

#### Rapid Economic growth & Industrial Pollution in Kawasaki ( 1960s – 70s )



Tama-river and illegal dumping

## 4 : Organization of city-to-city collaboration



# 5 : Action target



## Realization of sustainable green innovation



### MOEJ Programme

JCM city-to-city collaboration between DKI-JKT and Kawasaki city in phase-1 (FY2017)

1) JCM project formulation

2) Green Innovation actions, supported by Kawasaki city

(site visit in Kawasaki, support for capacity development etc.)



JCM subsidy project

JCM city-to-city collaboration in phase-2 (FY2018)

### Other Programme

#### JICA Programme

JICA technical assistance

JICA grassroots prj.

#### Others

Other project scheme

## 6 : Schedule, tentative

*After Apr. 2018*

### **4<sup>th</sup> STEP**

- Development of JCM model project in the next fiscal year (Apr 2018 to Mar 2019)

*Feb. 2018*

### **3<sup>rd</sup> STEP**

- Business matching on JCM model prj. formulation
- Discussion of next year's collaboration between DKI-JKT and Kawasaki etc.
- Conclusion of MOU, if possible

*Dec. 2017*

### **2<sup>nd</sup> STEP**

- Further discussions on target sector, green building etc.

*Nov. 2017*

### **1<sup>st</sup> STEP**

- Start discussion on further collaboration between DKI-JKT and Kawasaki
  - a) Setting a target for future activities under the collaboration
  - b) Selecting a collaboration menu



## 7 : Lessons learned from city-to-city collaboration

To acquire the JCM subsidy, there are some conditions.

#	Items
1	<b>Scheduling to JCM model project application</b> <i>Proposals of JCM model project will be accepted limited period once or twice of year, such as Apr to May and/or after Sep normally.</i>
2	<b>Consideration of cost benefit</b> <i>There are some conditions to be selected as JCM model project. One of the main factors to be satisfied with is cost benefit "4,000 JPY/tCO<sub>2</sub>". This point shall be taken care of properly.</i>
3	<b>Establishment of well-developed international consortium</b> <i>To conduct JCM model project successfully, well developed international consortium shall be established with Indonesian &amp; Japanese entities.</i>
4	<b>Utilization of city-to-city collaboration scheme</b> <i>It is difficult to plan implement JCM model project by private entities only. In this case, utilization of city support is effective.</i>