

# The Eco-Town Initiative in Japan

## -Implications for Cities in the Asia Pacific Region-



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# 1. What are Eco-Towns?

## 1. Concept (Basic)

Zero-Emission Concept

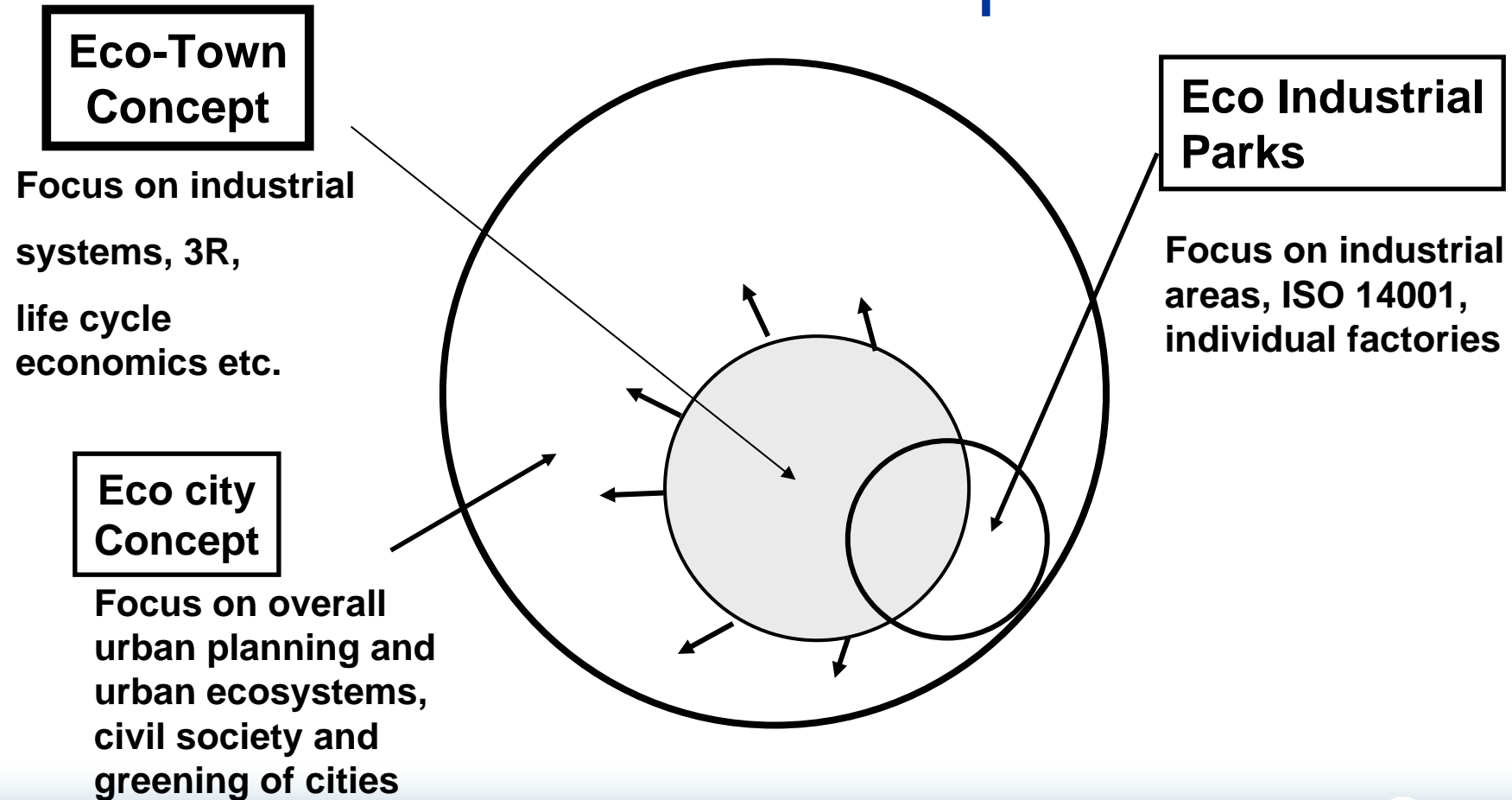
## 2. Concept (Expanded)

3R (Reduce, Reuse and Recycle)

## 3. Concept (Others)

Green procurement, EMS, ISO14001  
etc.

# Eco-Town concept and other similar concepts



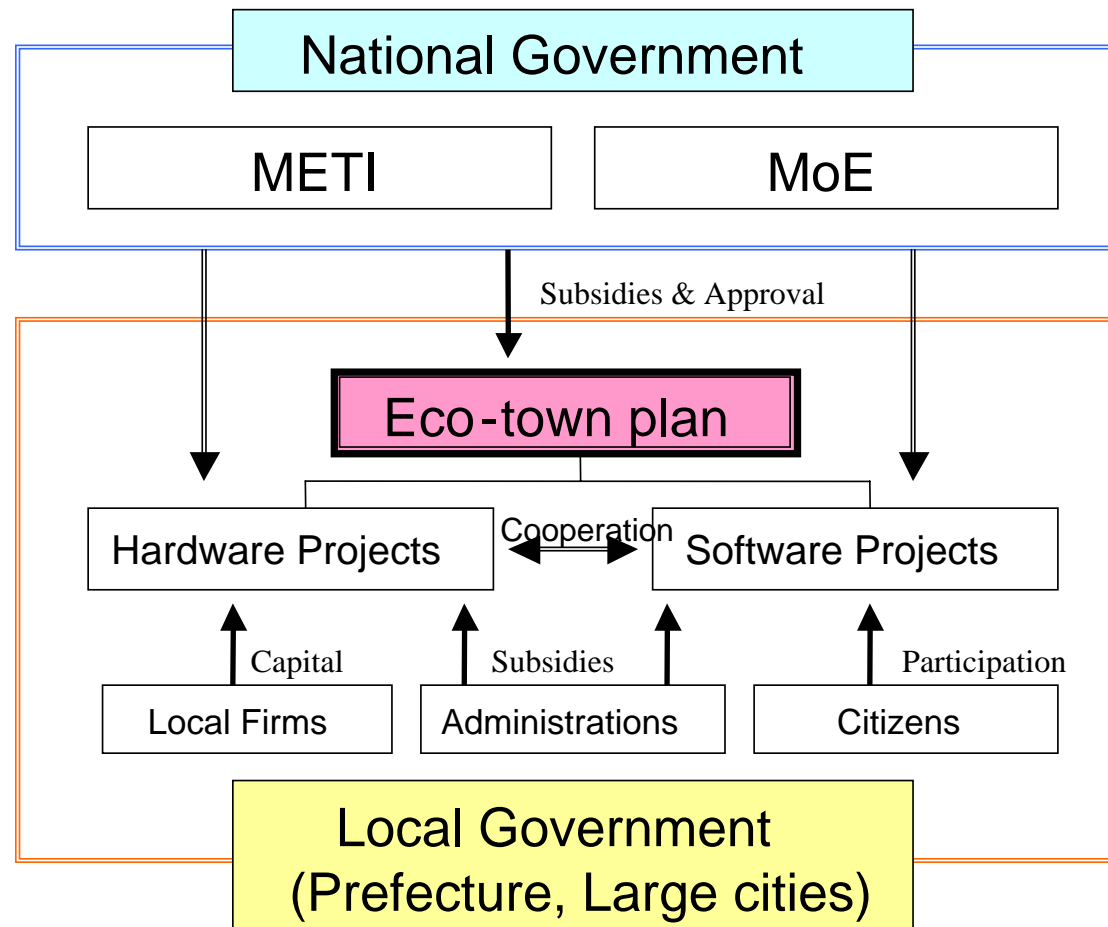
## 2. What are an Eco-Town's unique features?

- 2.1. Strong legislation toward a sound material-recycle society
- 2.2. National and local government are leading industry clusters to be sustainable
- 2.3. Increasing product research and development towards sustainability

(cont.)

- 2.4. Large and expanding eco-business market
- 2.5. Strong focus on environmental technologies and ESTs
  - ESTs : Environmentally Sound Technologies**
- 2.6. Focus on energy conservation, material development and integrated waste management
- 2.7. Overall sustainable consumption and production

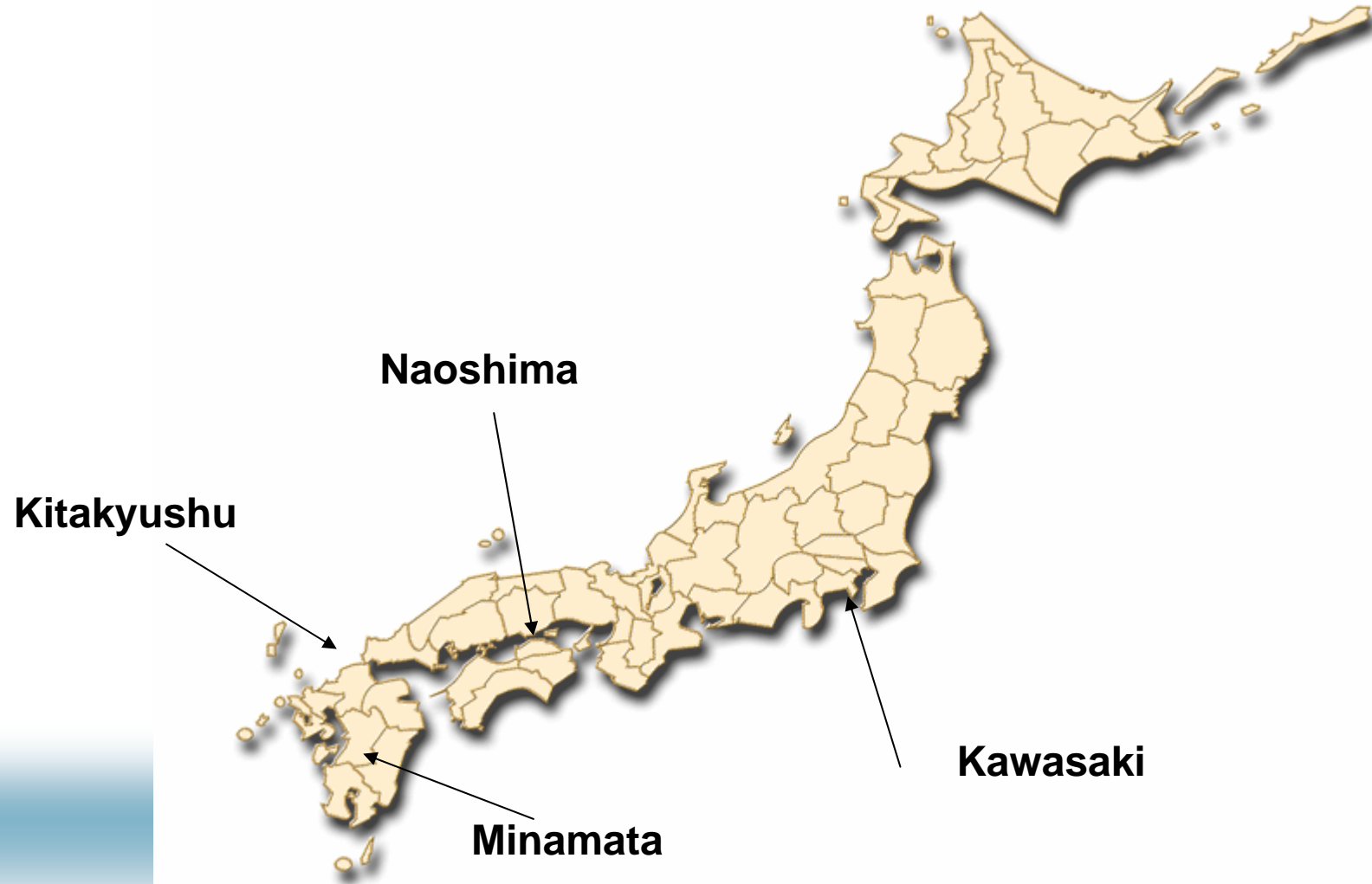
# 3. Who sets up Eco-Towns?



METI : Ministry of Economy, Trade and Industry

MoE : Ministry of the Environment

# Eco-Towns in Japan



# 4. Sample activities in Eco-Towns

## 4.1. At the factory level

- Energy and materials saving methodologies
- Obtaining ISO 14001 certification
- Use of pollution reduction process and technologies

## 4. Sample activities in Eco-Towns

### 4.2. At the industry/sector level

- Sharing technologies, expertise and equipment
- Using waste e.g. fly ash for cement
- Joint research with academics and researchers

## 4. Sample activities in Eco-Towns

### 4.3. At the Eco-Town level

- Information disclosure and building awareness in nearby communities
- Joint environmental activities with local governments
- Eco-Town Center for B2B and B2C meetings

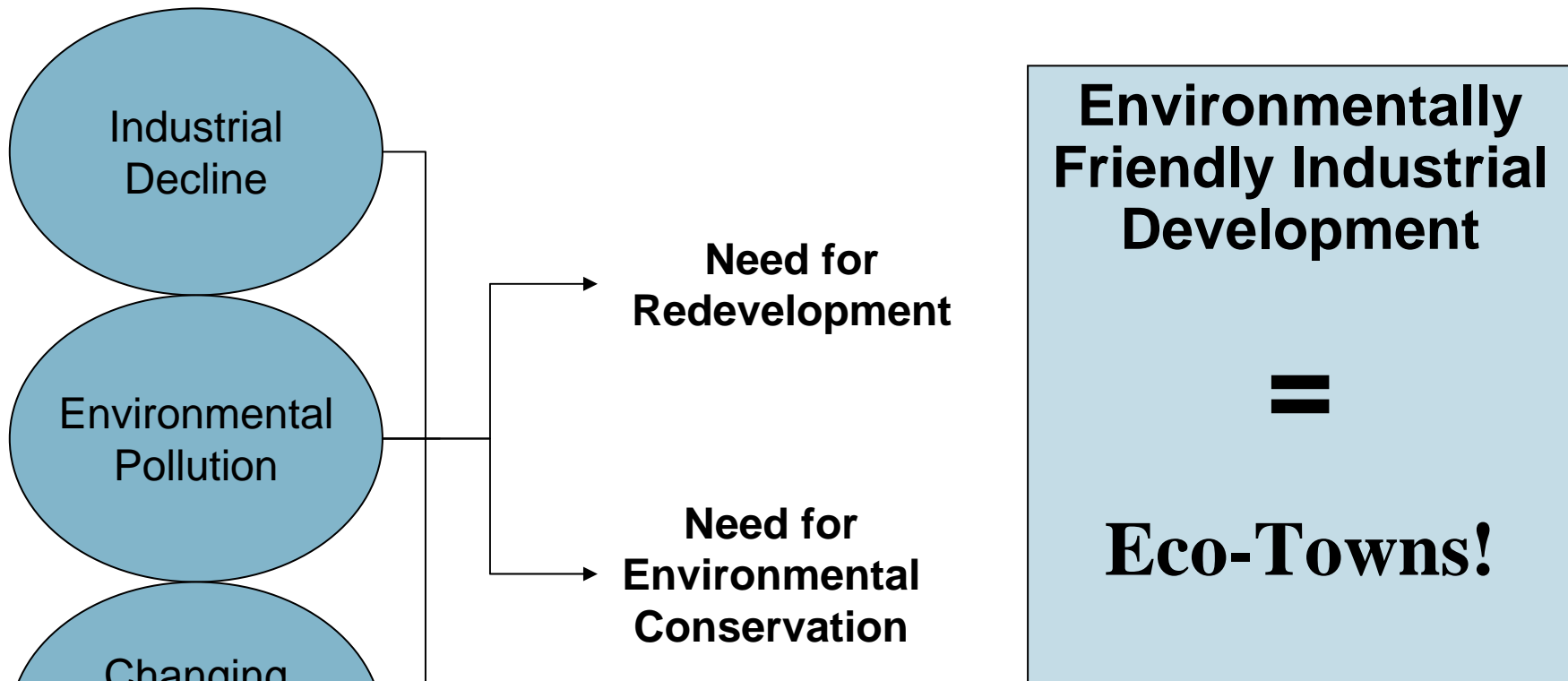
## 5. Case study -Kawasaki Eco-Town-

### 5.1. Overview of Kawasaki Eco-Town

|                          |  |
|--------------------------|--|
| <b>Year of Approval</b>  | <b>1997. July 10.</b>  |
| <b>Targeted Area</b>     | <b>Kawasaki coastal area(2800ha)</b>   |
| <b>Population (City)</b> | <b>1.30 million people</b>   |
| <b>Shipment value</b>    | <b>3.50 trillion yen (2002)</b>  |
| <b>Main industry</b>     | <b>Steel, Stainless, Petrochemical, cement, power plant, Electricity and R&amp;D</b>       |
| <b>Features</b>          | <b>To promote the creation of recycle-based society based on the industrial activities</b> |

# 5. Case study -Kawasaki Eco-Town-

## 5.2. History of Kawasaki Eco-Town



# 5. Case study -Kawasaki Eco-Town-

## 5.3. Key Features of Kawasaki Eco-Town

### **"Minimize Impact of the Environment and Create a Sustainable Society"**

- Industries reduce environmental impacts throughout their product cycle
- Recycling within and in between industries
- Share information and knowledge on experience in conserving the environment

# 5. Case study -Kawasaki Eco-Town-

## 5.4 Basic policies of Kawasaki Eco-Town

1. Promote Industrial Firms' Efforts to make their Operations and Systems Environmental Friendly and Ecologically Sound
2. Promote a Program for Creating a Zero-Emission Environmental Friendly and Ecologically Sound Community.
3. Implement R&D Programs to Promote Sustainable Development
4. Establish an Information Sharing System

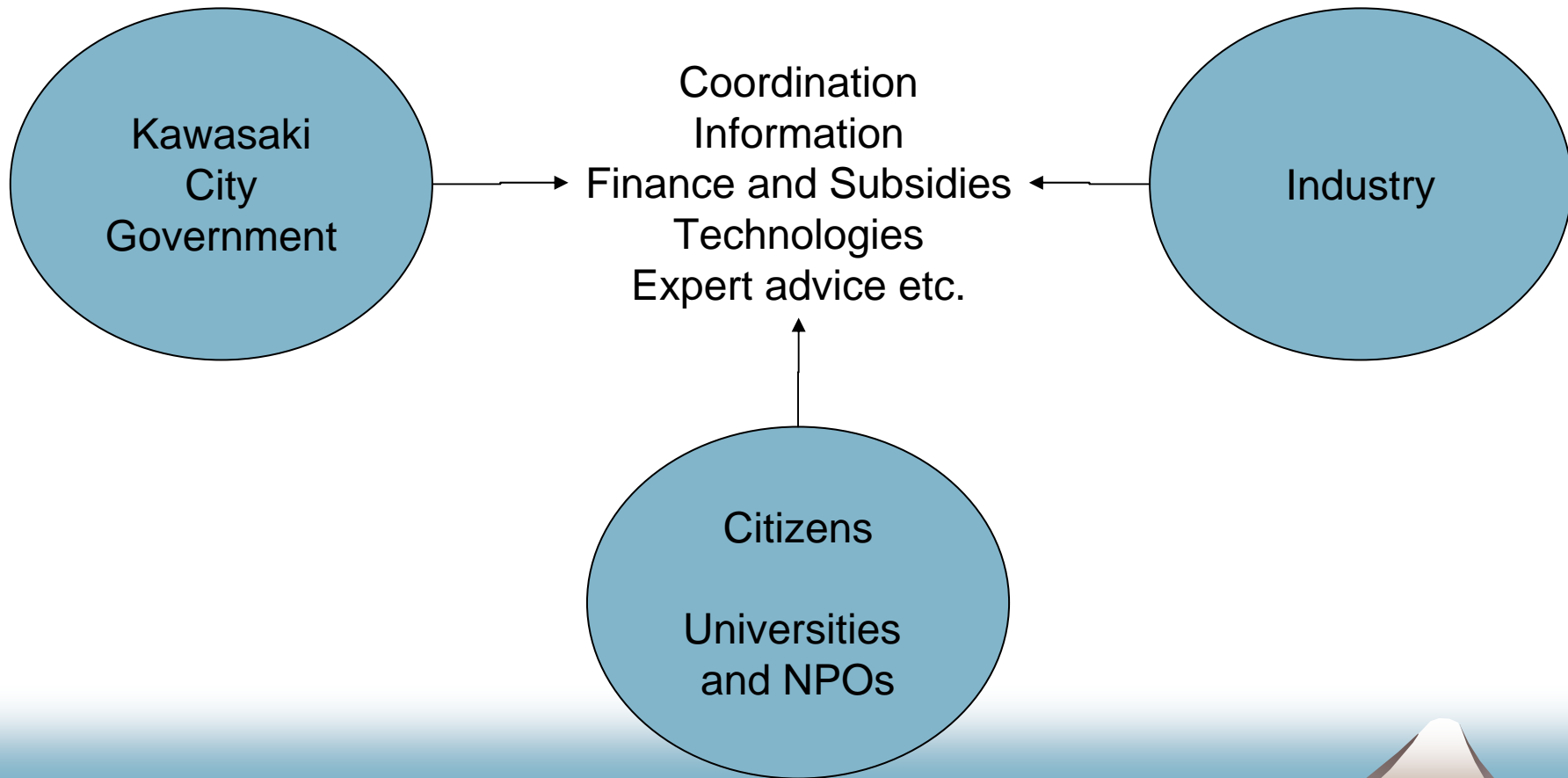
# 5. Case study -Kawasaki Eco-Town-

## 5.5 Outcomes of Kawasaki Eco-Town

- Kawasaki Eco town as an environmentally friendly resource-recycling industrial park
- Industry will reduce own emissions and also recycle waste products.
- Integrate and share energy production and use
- Reduce overall impact on the environment

# 5. Case study -Kawasaki Eco-Town-

## 5.6 Cooperation in Kawasaki Eco-Town



Thank you for your kind attention!



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