HCMC-Osaka City Cooperation Project for Developing Low-Carbon City

Osaka City Government       Ken Izumi
Location of Osaka City

- **Area**: 223 km² (2013 year)
- **Population**: 2.665 million (2010 year)
- **Population in Osaka urban area**: 17.298 million (2000 year)
- **GDP**: About ¥19 trillion (2010 year) / About US$200 billion (2010 year)
HCMC–Osaka City Cooperation Project for Developing Low Carbon City

Based on Osaka city-Ho Chi Minh City Cooperation

- To support environmental technologies and environmental administration expertise of Osaka as package
HCMC–Osaka City Cooperation Project for Developing Low Carbon City

Climate Adaptation Strategy
Ho Chi Minh City
moving towards the sea with climate change adaptation

Courtesy of HCMC

Courtesy of HCMC
Major Events in Fiscal Year 2013

Official Launching Workshop
(12th July, 2013 in HCMC)

Discussion
(Sept. 2013 in HCMC)

Discussion
(November, 2013 in Osaka City)

International Symposium
(21st October, 2013 in Osaka City)

Study Debriefing
(14th February, 2014 in HCMC)
Changes in GDP of Osaka

Fig. Changes in real GDP of Osaka

(10 thousand USD)

period of high economic growth
Changes in total discharge of the industrial waste and quantity of final disposal in Japan

- Total discharge of the industrial waste
- Quantity of final disposal (※including non-industrial waste)

Period of high economic growth
MOU on Developing Low Carbon City b/w HCMC and Osaka

- Signed by Osaka City Mayor and Chairman of Ho Chi Minh City People’s Committee on October 22, 2013
- The MOU agreed to do the followings until 2015:
  - Elaborate HCMC’s Climate Action Plan by 2015 in collaboration
  - Hold Annual Mayor-level Policy Dialogue for promoting projects
  - Promote JCM projects and investments in identified priority areas on mitigation and adaptation in HCMC
Directionality of support for HCMC from Team Osaka

Osaka City (Osaka Low-Carbon City Development Steering Committee) and Ho Chi Minh City (Ho Chi Minh City Climate Change Steering Committee) through cooperation and consultation.

Support through system and plan for Low Carbon City Development Project:
- Urban Infrastructure Sector
- Energy Sector
- Transportation Sector
- Water Sector
- Waste Sector
- etc.

Support through JCM:
- Policy-making support
- Professional Development
- Consultation
- Cooperation
- Technical Support
- System
- Plan
- Commercialization
- Cooperation
- Companies in Osaka and Kansai
- Team Osaka (Secretariat: GEC)
- Japanese Government (MOFA, METI, MOE, MLIT, JICA etc)
- Vietnamese Government (MOFA, MONRE, MOC etc)

Support through funds, technical collaboration, etc.
Middle processing facilities (incineration facilities) for reduction of the waste are important.

- Increase of waste in HCMC
  - Economic growth
  - Population growth
  - Urbanization

- Tight final disposal ground

<table>
<thead>
<tr>
<th>Year</th>
<th>Amount of Waste (10 thousand ton)</th>
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<tbody>
<tr>
<td>2000</td>
<td>148</td>
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<tr>
<td>2010</td>
<td>237</td>
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Courtesy of MOEJ
Safe, Secure and Smart Urban Development

Making future new urban development as a model district, environmental technology that inhabitants can spend for relief and security will be introduced in whole area.

1 Flood measures
   • Improvement of the ability to flow down, retention and outflow restraining of rainwater, preparation and dissemination of information about flood

2 Smart mobility
   • Community cycle system (sharing of electric motorcycle • bicycle)

3 Smart energy
   • BEMS, HEMS, Renewable energy, Smart home electric appliance, Smart meter
This project is, in short,

- Example of City to City Cooperation for HCMC, in close cooperation with the Nat’l Governments of both countries
- Utilizing JCM (Joint Crediting Mechanism) for realizing local benefit as well as global benefit
- Integrated Support, including:
  - Support for planning
  - Capacity Building
  - Technology Transfer