Activities to Promote ESC in the Region by IGES

Promoting efficient use of resources and proper waste management by supporting the UNCRD in organising the Regional 3R Forum in Asia

Source: UNCRD website (http://www.uncrd.or.jp/env/spc/4th_3r_forum_f.htm)
Activities to Promote ESC in the Region by IGES

Facilitating coordination and cooperation among various stakeholders by serving the secretariat of the High Level Seminar on ESC for 5 years.

Source: http://www.hls-esc.org/
Activities to Promote ESC in the Region by IGES

Assisting development of ESC Model Cities in 8 ASEAN Countries

Source: http://modelcities.hls-esc.org/index.html
## Assisting Surabaya City in Developing Low-Carbon Projects

### Japan-side

**City of Kitakyushu**
- Project Management
  - IGES
  - Kitakyushu Asian Center for Low Carbon Society

**Cooperation:**
- NTT DATA Institute of Management Consulting Inc.
- NTT Facilities Inc.
- Green Prop Co., Ltd
- KPMG Azusa LCC

- Fuji Electric Co., Ltd.
- Nippon Steel & Sumikin Engineering Co., Ltd.
- Japan NUS Co., Ltd.

**Energy sector**
- FS for energy saving and dispersed power system
- Cogeneration technology
- LED conversion at highway

**Solid waste sector**
- Local companies, city hall, universities, hospitals, shopping malls, data centres etc.
- Waste sorting, recycling, composting

**Water resource sector**
- National Highway Corporation (PERSERO)
- Energy saving at water and sludge treatment plants

**Transportation sector**
- Public transportation, improvement of traffic system for waste collection vehicles, low emission vehicles
- Transportation Dept., bus and taxi companies, DKP

**Potential CO2 emission reduction:**
- Total 150,000t/year in 3 years

### Indonesia-side

**City of Surabaya**
- Development Planning Bureau (BAPPEKO)
  - Cooperation Div.

**Cooperation:**
- City of Surabaya
- IGES
- NTT Facilities Inc.
- Green Prop Co., Ltd
- KPMG Azusa LCC

**Cooperation:**
- Nishihara Co., Ltd.
- Hitachi Zosen Co., Ltd.
- Amita Co., Ltd.

**Energy sector**
- Waste-to-energy (incineration)
- Waste-to-energy for industrial waste

**Solid waste sector**
- PT SIER, PT PIER, local companies, National Electricity Company (PLN)

**Water resource sector**
- PDAM, Keputih sludge treatment plant, Industrial Estate Company (PT SIER)

**Transportation sector**
- Dept. of Cleanliness and Landscaping (DKP), Environment Dept. (BLH)

**Local companies, cement company**

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Findings of other projects in Surabaya funded by other sources were shared to this project.