Networking Cities for Better Environmental Management

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Rapid urbanisation in Asia

80% of the region’s wealth is produced in cities
Focus on cities: many concepts
• Sustainable urban development
• Environmentally sustainable cities
• Low carbon cities
• Liveable cities
• Green cities (Green Growth, Green Economy)
• Resilient cities
• Smart cities
How to realise these concepts?

Need capacity building?
(Need budget?)
(Need tools and policies?)

Let cities learn from each other

Networking cities

A cheapest option

Kitakyushu Initiative for a Clean Environment (2000-2010)

2000
20 cities in 10 countries

2005
62 cities in 18 countries

2010
174 cities in 18 countries

Main activities shifted
Seminars & meetings
Workshops & Study Visits
Learning directly from good practices
Surabaya City’s Achievements

(Photos cited from “Sparkling Parks in Surabaya”, Cleansing Department, Surabaya City, 2008)

Parks became greener using compost

Streets became greener using compost

Bratang Composting Centre
Sonokwijenan Composting Centre
Keputran Composting Centre

OUTPUT: WASTE REDUCTION

* Note: Benowo is the only final disposal site in Surabaya City.
(Data source: Cleansing and Landscaping Department, Surabaya)

Average daily amount of waste disposed at Benowo Landfill* in Surabaya, 2004-2009

- 1,500t/day or more
- 1,300t/day (2007)
- 1,150t/day (2008)
- 1,000t/day (2009)

20% reduction in 4 years!
30% reduction in 5 years!!
Spreading Surabaya’s model in other cities and countries

- INDONESIA
  - Surabaya
  - Semarang
  - Medan
  - Makassar
  - Palembang
  - Central Jakarta
  - Balikpapan
  - Tarakan

- PHILIPPINES
  - Bago
  - Puerto Princesa
  - Cebu
  - Cavite

- NEPAL
  - Lalitpur

- THAILAND
  - Bangkok
  - Sri Lacha
  - Sankamphaeng

- MALAYSIA
  - Sibu
  - Kuala Lumpur

Learning from other intercity networks

CITYNET

Membership fees
Large number of member cities ➔ Grouped into 4-6 clusters
Internship from member cities
Kuala Lumpur Regional Training Center

http://www.citynet-ap.org/
Many partners of CITYNET

http://www.citynet-ap.org/partners/

Learning from other intercity networks

CAI-Asia (Clean Air Initiative for Asian Cities)

Focus on air quality management
Country networks
Many members
Surviving without core funds

CITYNET PUBLICATIONS
http://cleanairinitiative.org/portal/index.php
Better Air Quality (BAQ) Conferences

- One of the largest events in the region on air quality management
- Private sector sponsors

Learning from other intercity networks

WaterLinks (USAID/ECO-Asia)

Focus on water supply and wastewater treatment

Twinning city to city (water utilities)

Over 60 twinning partnerships in 4 years

http://www.waterlinks.org/
Costs for networking per city

Bilateral cooperation ('twinning' or peer-to-peer learning) for capacity building

Networks with limited members (a group of similar-sized cities or cities with common interests)

Workshops, study visits

Open network for information

Figure 7.1 Relationship of impacts and number of cities involved in a network

Source: Author

ASEAN ESC Model Cities Programme

- Since April 2011
- Implemented in 8 ASEAN countries
- 14 cities were selected
- Seed money funding for achieving their environmental targets
- Monitoring by the secretariat

http://modelcities.hls-esc.org/modelcities.html
Composting Network

Networking cities for sharing waste reduction policies and practices with particular focus on composting

- Since July 2012
- Waste reduction target setting and action plan development by the member cities
- Monitoring by the secretariat (IGES)

http://www.kitaq-compost.net/

Roles of Network Secretariats

- Manager
- Facilitator
- Coordinator
- Inter-mediator
- Broker
- Core & hub for information/knowledge sharing

⇒ The performance of networks depend on the secretariats’ management skill

More support will help more
Does networking cities help?

Surabaya, Indonesia: Using communities’ power

Nonthaburi, Thailand: Achievements attracting many visitors