



The Kitakyushu Initiative for a Clean Environment

Environmental Commitments 2007-2010

5th Meeting of the Kitakyushu Initiative Network
10-11 February 2010



Overview of the Environmental Commitments

❖ 4th Kitakyushu Initiative Network Meeting (June 2007, Kitakyushu City, Japan)

❖ 12 local governments conferred their environmental commitment

- Timeframe : 2007- 2010
- Goals/target
- Action Plans
- Support for facilitation



Environmental Commitment

“Address the environmental challenges brought about by urbanisation and take a leading role as stewards of the environment to further build mutual cooperation and support with neighbouring cities in the region”

Bago, Cebu, Puerto Princesa, San Fernando City, Philippines,
Sibu Municipal Council, Malaysia,
Bangkok Metropolitan Administration, Nonthaburi Municipality, Thailand,
Kathmandu Metropolitan City, Nepal,
Surabaya City, Indonesia,
Weihai City, China,
Ulsan Metropolitan City, Republic of Korea and
Kitakyushu City, Japan

Bago City, Philippines

Target: *To decrease waste generation by 60% and extend livelihood opportunities by promoting waste segregation, entrepreneurial recycling and source level composting.*

ACTION PLAN



Results:

✓ Daily waste generation in the city decreased to 49% in 2009.

✓ Community-based entrepreneurship was established for recyclable wastes, household and market composting and the implementation of continuous environmental education in schools and communities.

• Institutionalise a massive information and education campaign on environmental protection;
• Strengthen and replicate the KABAHIN KA programme



Cebu City, Philippines

Targets:

• To decrease waste generation by 50% by promoting waste segregation at-source, composting and reduce the usage of plastic bags;

• To achieve an ambient air quality that is below the National Ambient Air Quality Guideline values;

• Improve water quality for coastal and river waters.

• Implement new technologies and policies for energy efficiency and renewable energy resources.

Results:

✓ Achieved 20% decrease in annual waste generation;

✓ Ambient air quality has reached acceptable levels that are within the national standard;

✓ Continuous monitoring and rehabilitation of river water are conducted

Cebu City, Philippines

ACTION PLAN

• Established air quality monitoring system;

• Encouraged the use of non-motorised transportation modes and lobbied to ban surplus vehicles;

• Promoted community level training and participation of the informal sector on solid waste management;

• Provided sewage/wastewater treatment facilities to residents



Puerto Princesa City, Philippines

Target: To increase the waste diversion rate to 68% and extend livelihood opportunities by promoting waste segregation at-source and composting



ACTION PLAN

- Entered into a partnership with local NGOs to train, monitor and evaluate SWM implementation in communities;
- Established a composting and materials recovery facilities on site for final segregation and sorting and carried out the production of organic fertilizer;
- Organized an organic composting training in partnership with Bago City

Result:

✓ Achieved an annual waste diversion rate of 55%.



San Fernando City, Philippines

Targets:

❖ To improve the SWM programme of the city through the institutionalisation of segregation at-source and recycling programmes in households and commercial establishments



ACTION PLAN

❖ Increase the waste diversion rate to 28%

Results:

- ✓ Monthly waste recovery at the city's landfill has increased from 2% to 4%
- ✓ Estimated waste diversion rate is at 20%

- Expanded waste collection coverage;
- Continuous Information, Education and Communication activities and recycling activities;
- Applied for ISO 1400:2004 Certification to enhance the City's environmental performance;
- Partnered with the Phnom Penh City to promote community-based SWM programme.

Bangkok Metropolitan Administration, Thailand

Target: To reduce the amount of waste generation by 30%.

Result:

✓ Successfully reached 32.42% waste reduction in 2009.



ACTION PLAN:

- Organised activities to promote waste recycling and segregation at-source such as waste bank, market fairs and set-up recyclable waste donation boxes;
- Strengthened awareness and information through trainings and media campaign (handouts, advertising boards, exhibitions);
- Established community waste reduction centres.



Nonthaburi Municipality, Thailand

Targets:

❖ To decrease waste generation by 30%;

❖ Segregate hazardous waste from municipal waste



ACTION PLAN:

Results:

- ✓ Achieved 26% waste reduction in 2008 and 28% in 2009;
- ✓ Reached 60-70% collection rate for hazardous waste

- Conducted media campaign for waste segregation at-source;
- Promoted community level training with the involvement of the informal sector

Sibu Municipal Council, Malaysia

Target: To decrease waste generation by 10-15%

Result:

✓ Achieved 2% waste reduction in 2008.



ACTION PLAN:

- Organised an awareness campaign for waste segregation at-source
- Promoted community level training and involvement of corporate sector.
- Organised the "I Love the Earth Day" an annual event to promote environmental awareness



Surabaya City, Indonesia

Target: To decrease waste generation by 40%

Result:

✓ Achieved 51.38% decrease in waste generation in 2007 and 58.67% in 2008



ACTION PLAN:

- Conducted community trainings on waste management with the involvement of the informal sector;
- Supported recycling business through tax exemption;
- Promoted marketing of recycled products



Kathmandu Metropolitan City, Nepal

Targets:

❖ *Improve SWM system in the city by enhancing the transportation and collection system, transfer stations and disposal facilities and promote household recycling programmes:*

❖ *Strengthen recycling activities by for tax exemptions on recyclable materials.*

❖ *Promote participation and behavior change in waste management by establishing nature clubs, training programmes and regular interaction with communities:*

Results:

✓ **Established 2 sanitary landfills and collection areas in strategic areas in the city;**

✓ **Trained 250 households on waste segregation and distributed 4,000 bins for household composting;**

✓ **Nepalese government removed the levies on recyclable materials.**

Kathmandu Metropolitan City, Nepal

ACTION PLAN:

• **Conducted regular training programs and utilized the city volunteers to promote environmental awareness in communities and schools;**

• **Conducted clean up programmes in the city;**

• **Selected and designed waste transfer station and disposal facility through the support of JICA and Nepalese government.**



Weihai City, China

Target:

"To decrease sulfur dioxide (SO₂) emissions to 5% and COD emissions to 15% from 2005 emission levels"

Results:

✓ **Successfully achieved its target with a 9% decrease in SO₂ emissions and a 16% decrease in COD in 2008.**

ACTION PLAN:

• **Adopted stricter environmental policies and strengthened enforcement;**

• **Installed desulphurization facilities in power stations;**

• **Required factories to establish continuous on line monitoring facilities;**

• **Established a remote supervision centre that is connected to all on line monitoring facilities and factories**

Ulsan Metropolitan City, Republic of Korea

Target: *To increase the rate of municipal waste recycling by 65%.*

Result:

✓ **Achieved 62.5% recycling rate and a 0.99 kilograms of municipal waste generation per capita.**

ACTION PLAN:

• **Implemented volume-based food waste fee system;**

• **Regulated the use of disposable products;**

• **Promoted marketing of recyclable products.**



Kitakyushu City, Japan

Targets:

• **Support the activities of KI programme;**

• **Strengthen its technical assistance to cities of developing nations by increasing the number of trainees to 400 per year;**

• **Decrease household waste discharge by 20% and increase recycling rate by 25%;**

• **Decrease CO₂ emissions by 10%**

• **Provide 860 low emission public vehicles;**

Results:

✓ **Supported training activities of KI programme in Philippines, Thailand, Malaysia and Indonesia;**

✓ **Provided training to 494 city officers from developing nations in 2007, 434 in 2008 and over 400 in 2009;**

✓ **Decreased household waste to 26% and increase recycling rate to 30%;**

✓ **Provided 751 low-emission public vehicles in 2007.**

Kitakyushu City, Japan

ACTION PLAN:

• **Promoted waste segregation at-source and created an effective waste management system;**

• **Continuous implementation of eco-campaign (Eco-life Stage) to promote environmental education**



Environmental Commitments

- Majority of the local governments achieved their individual environmental targets:
- A great deal of environmental actions and practical approaches have been accomplished:
 - Mobilizing community participation
 - Forming/strengthening partnerships:
 - Local policies and institutionalization of local environmental actions:
 - Continuous promoting of environmental awareness/education

Outstanding KI Network Members

- ❖Weihai City, China - hosted 1 KI event, attended 9 KI events
- ❖Dhaka City Corporation, Bangladesh - attended 11 KI events
- ❖Kathmandu Metropolitan City, Nepal -attended 10 KI events
- ❖Surabaya City, Indonesia- hosted 3 KI events, attended 14 KI events
- ❖Sibu City, Malaysia - hosted 1 event, attended 10 KI events
- ❖Bago City, Philippines - hosted 3 KI events, attended 6 KI events
- ❖Cebu City, Philippines - hosted 2 KI events, attended 11 KI events
- ❖Bangkok Metropolitan Administration, Thailand - hosted 5 KI events, attended 8 KI events
- ❖Nonthaburi Municipality, Thailand- hosted 2 KI events, attended 11 KI events