

## **Benxi's Sustainable Development Demonstration Zone**

Location: Benxi, Liaoning Province, China

Time Frame: 1985-onwards

Programme/Project Status: ongoing (mid-term evaluation available)

Background:

Located in the eastern mountainous region of Liaoning Province, Benxi is an important industrial raw material base of iron and steel, coal, building materials and chemical products in China. As other Chinese cities, Benxi has undergone drastic economic, social and urban development, while confronting with conflicts between economic growth and environmental and resource protection. The city was labeled as 'a city invisible by satellite' for its severe air pollution. In order to address these serious environment and development problems and improve living conditions, Benxi started in the 1980s to explore means of embarking on a path to sustainable development.

Measures taken:

The State Environmental Protection Committee approved the Seven Year Plan for Benxi's Urban Pollution Control, as well as designated the city as a pilot city for urban pollution control. The Plan included municipal government's control on polluter industries to upgrade their facilities, Taizai and Cao river water quality control measures, afforestation in urban area, etc. Amongst them, 'Sustainable Development, Industrial Structure Adjustment and Cleaner Production in Benxi' project has been incorporated into the Priority Programme for China's Agenda 21, under the pilot city designation. Also, UNDP, World bank, Canada, European Union, Japan and USA supported the city's endeavor in technical as well as financial aspects.

Investment:

540 million RMB (1985-1995)

Impact:

Through miscellaneous projects under the Seven Year Plan, and with support of the central governments, as well as donors, Benxi's urban environment was improved.

In the aspect of social and administrative infrastructure, the city developed 5 regulations including 'Water Resources Protection Methods of Benxi City', Benxi's Management Approaches to Flue Gas and Particulate Matter', 'Regulations on Municipal Water Supply', 'Regulations on the Conservation of Agricultural Land'.

With regard to administrative arrangement, the city's activities was further empowered by establishing an organization consisting of government officials and private sector to closely cooperate in the relevant field.

Also, the direct impact of city's Seven Year Plan is the following changes in indicators.

	1985	1995
Atmospheric particle settlement	53.2 t/month/km <sup>2</sup>	42.8 t/month/km <sup>2</sup>
SPM	0.74 mg/m <sup>3</sup>	0.48 mg/m <sup>3</sup>
No. of days w/ 10km visibility/year	2-3 days	27-28 days

Also, dust emission reduced by 0.1 million tons between 1988-1995.

Essential Arrangement for the Programme Implementation

Although it is not 'necessary' or 'essential', Benxi's designation as a pilot city by the central government may be seen as a focal point of the overall program, considering that the city was one of the first to make environmental efforts in China. Also, it had a positive effect that many projects were conducted in parallel

and in coordinated manner, with multilateral and bilateral donor support, under the umbrella of the Seven Year Plan.

Information Source:

<http://www.bestpractice.org>

[http://www.chinacp.com/cpcities/cp\\_benxi.html](http://www.chinacp.com/cpcities/cp_benxi.html)

<http://www4.worldbank.org/sprojects/Project.asp?pid=P003598>

[http://www.unescap.org/drrpad/vc/conference/bg\\_cn\\_14\\_bci.htm](http://www.unescap.org/drrpad/vc/conference/bg_cn_14_bci.htm)

## **Kurashiki's Environmental Recovery Efforts (Mizushima Industry Complex)**

Location: Kurashiki City, Okayama Pref. Japan

Time Frame: 1960- onwards

Programme/Project Status: ongoing (midterm evaluation available)

Background:

Kurashiki, a middle-sized city is located in on the southwestern coast of Honshu island of Japan, facing the inland sea of Setouchi, Following to the industrial development policy of the national government, Kurashiki and surrounding area became a major production site for steel, chemical and other products, which was called 'Mizushima Industrial Complex'. However, belated introduction of prevention measures caused severe environmental degradation, including air and water pollution, as well as human health problems. Also, patients of the pollution took a lawsuit against industries, frustrated with the situation, and recently reconciliation between them was established.

Measures taken:

In 1969, Kurashiki was designated as an 'ordinance-city' under the Air Pollution Prevention Law, for special measures concerning recovery and control of air quality. In compliance with the law, factories in the city must be equipped with air dust processors when they build industrial boilers or incinerators. In regard with water pollution, under the umbrella of the Water Pollution Prevention Law, the Law for the Environmental Protection Special Measures of Inland Sea of Setouchi was established in 1973 (amended in 1978). The law includes the standard of COD, penalties as well as enforcement of pollution prevention instruments.

Since sources of pollution were not always big industries, but minor or middle-sized ones which sometimes could not afford introducing new environmental pollution instruments, the City of Kurashiki set up a financial assistance system by a city ordinance. Also, as other local governments in Japan, the city concluded pollution prevention agreements with industries, whereby the city monitor the pollution emission and advice on their related

production activities.

#### Impact:

With regard to the air quality control, the survey conducted by the Kurashiki Environmental Monitoring Center shows that the pollutant substance emission decreased since the introduction of the Air Pollution Prevention Law, supported by the several administrative measures taken by the city government. Although the present pollutant emission rate marks still high, compared with other industrial areas in the country, environmental efforts continue for further improvement (see Table 1 below). As for the water quality, it has also improved along with the miscellaneous measures taken by the local and national governments (see Table 2 below).

It should be noted that Kurashiki's case may be categorized as the worst group of Japanese environmental pollution, for the point that it led to a lawsuit, as Minamata, Yokkaichi etc. by patients suffered from pollution diseases. Kurashiki experienced a sort of social disruption, due to the conflict among patients, pollution industries, and industry-employees. To solve this situation, promoting confidence building among them, 'Mizushima Foundation for Local Environmental Recovery' was established, using financial contribution by polluter industries for the lawsuit reconciliation. The foundation includes local residents, public administration and industries as members.

#### Essential Arrangement for the Programme Implementation

Compared with other cases led to pollution lawsuits in Japan, the city government was not active in taking initiative for the pollution prevention (in this sense, the present case might be referred to as a case of 'national initiative', rather than local one). It started taking concrete measures after the introduction of the Air Pollution Prevention Law by the national government. This might be the reality for many local governments, especially middle, or small ones, where local industry structure strongly dominated by pollution industries, thus it is politically or/and economically difficult to introduce strict regulation by local governments alone. Such phenomena may also be found in many cities in the Asia and Pacific region. Therefore it is pointed out legal and administrative supports by national governments in such a case.

Information Source:

<http://www.city.kurashiki.okayama.jp/> (for environmental programme, Japanese only)

Table 1. Changes of Pollutant Substance in the Air (1966-2000)

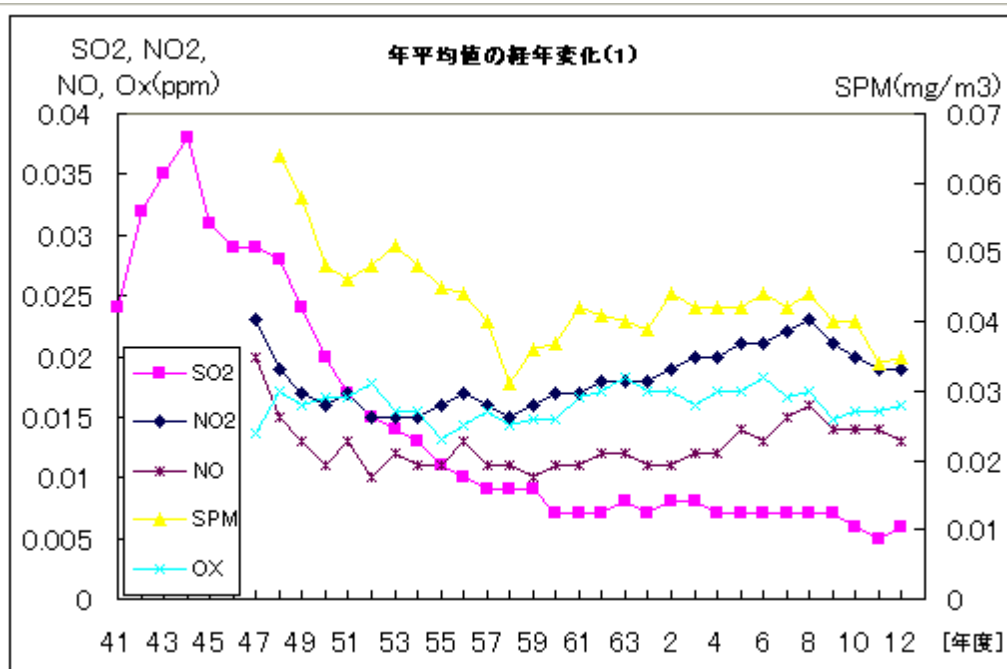
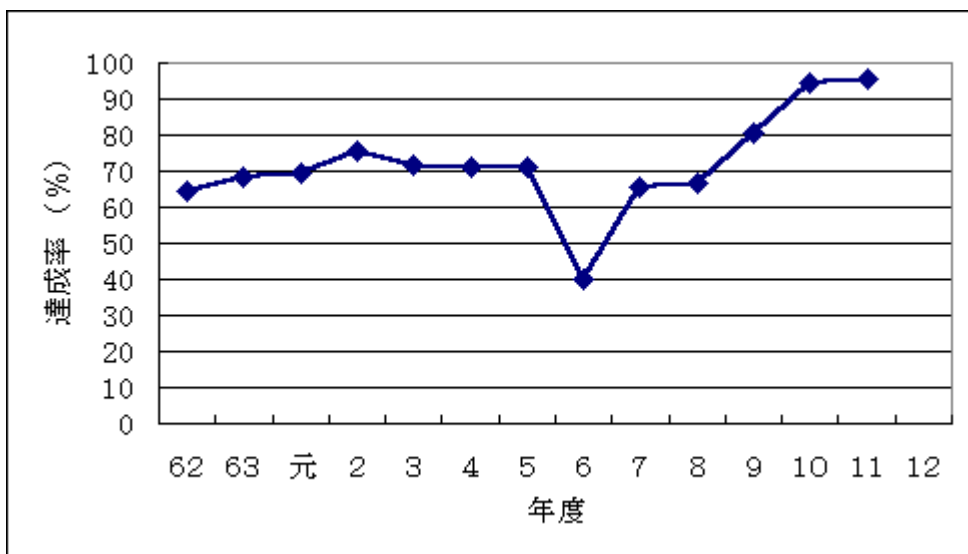


Table 2. Water Quality of 17 rivers in Kurashiki (1987-2000)

100 = maximum standard achievement point



The above data were cited from the website of Kurashiki Environmental Monitoring Center.

## Seoul's Air and Water Pollution Control

Location: Seoul Metropolitan City, Republic of Korea

Time Frame: mid 1990 -onwards

Programme/Project Status: ongoing (mid-term evaluation available)

Background:

Under the Office of Environment in Seoul Metropolitan Government, which is in charge of environmental conservation of the city, 7 divisions were making efforts to improve the urban environmental problems confronting the city and residents. Amongst the measures taken in the city, air and water quality improvement should be emphasized as a best practice/case study.

With regard to the air quality situation, as of 1997, the transportation sector produced 332,640 tons of pollutants accounting for 85.7% of all emissions, followed by the heating (39,646 tons, 10.2%), industrial (12,707 tons, 3.3%) and public utilities (3,340 tons, 0.8%) sectors, except from those from China. Of the total vehicles in the city, gasoline and LPG vehicles accounted 78.2%, or 1.796 million units, followed by diesel vehicles at 21.8% or 0.501 million units. However, in dimension of pollutant share, about 44 % emissions come from diesel-powered vehicle, so that the transformation of vehicle type are regarded to be an essential step to mitigate pollutant emission.

With regard to water quality control, the city's programmes are targeted at Han River's protection, (the river running through the city) while major efforts are under way and significant impacts are not yet available (those of the past 10 years). However, it should be noticed that some interesting programmes are in progress, such as 'Han River Watershed Management Committee' jointly organized by the Metropolitan City Government and Central Government, 'Han River Restoration Project' and the 'Friend of Han River'

Measures taken:

In view that the major pollution source is diesel-powered vehicles, and to meet the demand city specific standard (higher than those of national ones/ see Table 1), the Seoul Metropolitan Government adopted several ordinance, including the Basic Environmental Ordinance, and Seoul Environmental Charter and Ordinance for Pollutant Standard Emission. It should be noted that the series of efforts to improve air quality and introduce higher standards are in conformity of Seoul residents' movements. The Citizens Committee for Green Seoul, established in cooperation with the Metropolitan City Government, had positive effect in this regard (Unfortunately, the detailed information for precise administrative measures under those ordinances is currently unavailable).

The Metropolitan Government is making efforts to improve Han River's water quality, in cooperation with central government, as well as other local government located along the river. For example, under the Joint Committee with the central government, the Seoul Metropolitan Government will purchase 500-1,000 meters land along the river for natural preservation, using jointly raised fund. Also, under the Joint Environment Association Committee, a database on locations of pollution and production process will be shared among the member local governments, and measurement, monitoring and countermeasures will be conducted jointly.

#### Chronological Table on Air Quality Management Efforts

1995 Nov.	Citizens Committee for a Green Seoul
1996 May	Basic Environmental Ordinance
Jun.	Seoul Environment Charter
1999	Ordinance for Pollutant Standard Emission
	Legal Framework for CNG Bus promotion (including tax incentives and financial support)
2000	495 CNG Buses introduced in service
2007	All Diesel-powered Buses will be replaced by CNG Buses



#### Impact:

In compliance with the abovementioned legal and administrative measures, the amount of pollutant substance emission is continuously decreasing. In consequence, although it may not simply compared (since industrial and social structures vary), the air quality of Seoul area is one of the best among major Korean cities, while it is the most densely populated area in the country.

#### Essential Arrangement for the Programme Implementation:

The central government recently enacted many environment-related laws, including the Soil Environment the Protection Act, Drinking Water Act, the Underground Living Space Air Quality Act, together with other 24 laws under the jurisdiction of the Ministry of Environment. As Japanese legal arrangement, Korean central government has also enabled local governments to set their own environmental standard and measures. This may encourage Seoul Metropolitan Government to further improve their air quality control. Also, it is noted that the involvement of residents positively affected to the city's ongoing overall environmental efforts.

#### Comment on the Replicability:

Efforts to change diesel-powered vehicles to gasoline or other less polluting vehicles are ongoing in other cities in the many cities, such as Tokyo and New York, mostly in cities in industrialized economies. After overcoming air pollution from factories, this seems to be further step to improve their air quality for urban residents. The Seoul's case introduced a legal framework, including tax incentives and financial assistance to replace diesel buses by CNG vehicles. This can be a good model for those cities relying on private bus companies for its public transportation system, which may wish to reduce air pollutant substance from diesel-powered vehicles.

#### Information Source:

LEE Chang-Woo, Director, Department of Urban Environment, Seoul Development Institute, 'Economic Conditions and Policies of Seoul'

[http://econo.metro.seoul.kr/e-homep/english/stm/seess2\\_cw1\\_1.thml](http://econo.metro.seoul.kr/e-homep/english/stm/seess2_cw1_1.thml)

**Table 1. Environment Standards of Korea and Seoul**

<b>Pollutant</b>	<b>National</b>	<b>Seoul</b>
SO <sub>2</sub>	0.03ppm/year 0.14ppm/day 0.25ppm/hour	0.01ppm/year 0.04ppm/day 0.12ppm/hour
PM-10	80 Mg/m <sup>3</sup> /year 150 Mg/m <sup>3</sup> /day	60 Mg/m <sup>3</sup> /year 120 Mg/m <sup>3</sup> /day
NO <sub>2</sub>	0.05ppm 0.08ppm/day 0.15ppm/hour	0.04ppm 0.07ppm/day 0.14ppm/hour
O <sub>3</sub>	0.06ppm/8hours 0.10ppm/hour	0.06ppm/8hours 0.10ppm/hour
CO	9ppm/8hours 25ppm/hour	9ppm/8hours 25ppm/hour
Pb	1.5Mg/m <sup>3</sup> /3months	1.0Mg/m <sup>3</sup> /3months

**Table 2. Air Pollution Levels in Seoul**

unit: ppm(PM-10 g/m<sup>3</sup>)

<b>Pollutant</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>	<b>1999</b>
SO <sub>2</sub>	0.017	0.013	0.011	0.008	0.007
PM-10	78	72	68	59	66
NO <sub>2</sub>	0.032	0.033	0.032	0.030	0.032
O <sub>3</sub>	0.013	0.015	0.016	0.017	0.016
CO	1.3	1.2	1.2	1.1	1.1

Source: Seoul Metropolitan Government, 2000, Environment of Seoul

**Table 3. Air Quality in Major Cities of Korea (1999)**

unit: ppm(PM-10 g/m<sup>3</sup>)

	<b>SO<sub>2</sub></b>	<b>PM-10</b>	<b>O<sub>3</sub></b>	<b>NO<sub>2</sub></b>
Seoul	0.007	66	0.016	0.032
Pusan	0.014	65	0.022	0.019
Taegu	0.011	66	0.017	0.027
Inchun	0.008	53	0.018	0.028
Kwanju	0.007	56	0.018	0.021
Daejon	0.009	55	0.020	0.025
Ulsan	0.017	27	0.018	0.021

Source: Seoul Metropolitan Government, 2000, Environment White Paper.

\* All indicator tables are cited from LEE Chang-Woo, Director, Department of Urban Environment, Seoul Development Institute, 'Economic Conditions and Policies of Seoul'

## **Environmentally Friendly Hotels in Bali And Replication Practice in Hua Hin, Thailand**

Location: Bali, Indonesia and Hua Hin, Thailand

Time Frame: 1995-onwards (Bali)

1998-2000 (Demonstration project in Hua Hin, Thailand)

Programme/Project Status: ongoing (Bali)

Completed (Hua Hin, \* terminal evaluation not available)

Background, Measures taken and Impact:

(Solid Waste Management Practice in the context of Bali)

Bali is the most important tourist destination in Indonesia with 3,000,000 inhabitants and covers an area of 5,600 km<sup>2</sup>. The amount of garbage produced in Southern Bali exceeds 240 tones per day. The local government does not provide waste management services for businesses producing more than 2 cubic meters of waste per day. In partnership with hotels and waste haulers, Wisnu Foundation (NGO) initiated a programme in 1995 to use waste as a resource, contribute to more sustainable tourism development and improve the working and health conditions of scavengers. Several incentives were used to mobilize the hotels including integration of solid waste management with the hotels' environmental management programmes and recognition of the hotels' efforts through the Eco-Hotel Rating Program which promoted the green image of the hotels involved, attracted the attention of environmentally concerned travel agencies and consumers. The practice has achieved results including improved environmental management – it has been able to achieve the targeted recycling rate of 75% in 1999. Hotels participate in the program voluntarily and pay a fair price for waste management. Last but not least, it has created local employment opportunities and provides of a working model for educational purposes and replication. In the context of Bali's practice, an important role was played not by the relevant local authorities, but a local non-governmental organization. However, the promotional approach (not prohibitive) effectively worked in this case, thus, is being replicated in Hua Hin, Thailand, involving public sector.

(Replication Practice in Hua Hin, Thailand)

The Training and Technology Transfer Program (TTTP) of the Canadian Universities Consortium Urban Environmental Management Project at AIT, in partnership with the Thailand Environment Institute, is carrying out environmental audits in five hotels in the resort area of Hua Hin, Thailand. The completed audits and interpretation of results will be shared with participating hotels, adding to the hotel operators' understanding of the CP process. This emphasis on information sharing and participation in the CP process is based on the rationale that knowledgeable hotel managers and staff are essential to program sustainability and, indeed, the initiation of further improvements to their hotel's waste management system. On-site demonstrations and training sessions are led by Canadian experts in composting and environmental management, and based on a successful program currently underway in Bali, Indonesia under the direction of Murray Haight and the Indonesian NGO, WISNU.

#### Essential Arrangement for Programme Implementation

Although the present case was originally initiated by a local NGO for the purpose of filling a void of inaction by the local authority, the project method does not exclude the possibility of initiatives to be taken by local governments. Indeed, in Hua Hin case, the National and local governments are in some degree concerned with the project and also in another similar case in Siem Reap, Cambodia, the governments are also interested in establishing an eco tourism system. For this point, the present case may be interesting, especially in view of application with necessary modification.

Also, usually hotels or any tourism industries are reluctant to initiate environmental protection efforts, due to possible extra expense. Such an expense would directly affect the running cost of hotels, which is not acceptable for them in a competitive tourism market (actually in Bali, hotels refused to take environmental measures). Accordingly, a promotional measure was more effective than a prohibitive one, for the point that a hotel may be able to improve its commercial image by making environmental efforts.

Information Source:

<http://www.cuc.ait.ac.th/tp/huahin.htm>

## **Energy Policy/Carbon Dioxide Reduction Strategy\***

\* These two programmes have been conducted in parallel and mutually reinforcing.

Location: Portland City, Oregon, United States

Time Frame: 1990-2010 (Energy Policy)

1993-2010 (Carbon Dioxide Reduction Strategy)

Programme/Project Status: ongoing (midterm evaluation conducted in 2000 available)

Background:

Since the City of Portland adopted the first US local policy on energy conservation, in the wake of the OPEC oil embargo and shortage, it has been a leader in the country in making environmental efforts in local initiative context. After an energy conservation project supported by the US Department of Energy in the late 1980's, which principally focused on research activities, the city approved a comprehensive policy for reduction of energy used in all sectors, in 1990. Also, the city of Portland adopted 'Carbon Dioxide Reduction Strategy', to mitigate global warming. Amongst North American member cities of the International Council for Local Environmental Initiatives (ICLEI), Portland is a one of a few cities that is already in process for the midterm evaluation of the program implementation. For this point, studying Portland case may have positive impact for other cities making similar efforts.

Although, the city is far on the way to achieve the goal set by the original plans(to be completed in 2010), mainly due to the rapid increase of its population and too high standards, the changing numbers in the indicators show that the efforts have somewhat productive characters to be a model of other similar cities.

Measures taken:

#### 1. Energy Policy

The Policy provides 89 objectives in goal areas in all sectors under its jurisdiction, consisting of the following 9 major components: Role of the City, Energy Efficiency in City-Owned Buildings, Energy Efficiency in Residential Buildings, Energy Efficiency through Land Use Regulations, Energy Efficiency in Commercial and Industrial Facilities, Energy Efficient Transportation, Telecommunications as an Energy, Efficiency Strategy, Energy Supply, and Waste Reduction and Recycling.

The policy set 10 % decrease in total by the end of year 2000.

#### 2. Carbon Dioxide Reduction Strategy

The Strategy is composed of the following 6 areas of making efforts: Transportation, Energy Efficiency, Renewable Resources and Cogeneration, Recycling, Tree Planting, and Federal Actions.

Impact:

#### 1. Energy Policy

Based on the policy endorsements, a successful tendency in reduction of energy use is found in the components where the city can directly affect physical energy consumption, including City-Owned Buildings, Land Use Regulations. Also, the 'City's Multi-Family Weatherization Program,' a sub-programme under the Energy Efficiency in Residential Facilities (for 8,679 low-income units) contributed to the reduction of energy use. On the other hand, in other components, such as Energy Efficiency in Commercial and Industrial and Transportation, the amount of the energy use remained or increased, probably because they were promotional approach.

As a result, between 1993 and 1999, total energy use in all sectors (per capita) decreased 6.5 %. This seems to fall short of the originally set goal of 10 % reduction by the end of 2000.

## 2. Carbon Dioxide Reduction Strategy

Between 1990 and 1999, total CO2 emission in Portland/Multnomah County increased 9.9 million to 10.6 million metric tons, which means 7 % rise. However, by per capita emission decreased from 17.0 to 16.5 metric tons (see, the tables 1 and 2 below). In any case, the originally planned goal ( 8.1 million metric tons in total emission /20 % decrease from 1990 level) by 2010 seems to be too ambitious and not realistic to be achieved.

It is, nevertheless, pointed out that there have been significant amount of reduction, in residential sector and solid waste management, regardless of the rapid population increase in last decade. This may be mainly attributed to the efforts made under the strategy, such as weatherlization programme, and ‘City and Metro Recycling Program’.

Information Source:

<[http://www.sustainableportland.org/energy\\_home.html](http://www.sustainableportland.org/energy_home.html)>

City of Portland, ‘Global Warming Reduction Strategy’ (Portland, 1993)

-----, ‘Carbon Dioxide Rudction Strategy Update, November 1997’, (Portland, 1997)

-----, ‘Carbon Dioxide Rudction Strategy: Success and Setbacks, June 2000’, (Portland, 2000)

-----, ‘1990 Energy Policy: Impacts and Achievements, June 2000’ (Portland, 2000)

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Table 1. Carbon Dioxide Emission 1990-2010 (Portland City and Multnomah County)

	Total (million metric tons)	Per Capita (metric tons)
1990	9.9	17.0
1995	10.1	16.2
1999	10.6	16.5
2010(forecast)	12.0	17.5

Table 2. Carbon Dioxide Emission by Sectors 1990-2010 (Portland City and Multnomah County)

	Setors	Total (tons)	Per Capita (metric tons)
1990	Residential	2,005,551	3.43
	Commercial	1,837,910	3.15
	Industrial	1,568,275	2.69
	Transportation	3,710,861	6.36
	Solid Waste	800,830	1.37
1995	Residential	1,822,517	2.91
	Commercial	2,062,425	3.29
	Industrial	1,745,138	2.79
	Transportation	3,923,856	6.26
	Solid Waste	575,515	0.92
1999	Residential	1,936,335	2.99
	Commercial	2,232,108	3.45
	Industrial	1,803,883	2.79
	Transportation	4,041,518	6.25
	Solid Waste	631,675	0.98
2010	Residential	2,156,340	3.15
	Commercial	2,530,115	3.70
	Industrial	2,121,045	3.10
	Transportation	5,140,554	7.51
	Solid Waste	50,283	0.07

## **Other Ongoing Efforts**

**China, People's Republic of.**

Location	Guiyan,	Sector	Air Quality Control/Cleaner Production
Title	Capacity building for acid rain and sulphur dioxide pollution control in Guiyan		
Project Bodies	Guiyan Municipality, UNDP	Initiative/Programme	UNDP
Webpage	<a href="http://esa.org/techcoop/flagship.asap?Code=CPR96304">http://esa.org/techcoop/flagship.asap?Code=CPR96304</a>		

Location	Qingdao	Sector	Solid Waste Treatment
Title	Solid Waste Management Program in Qindao, China		
Project Bodies	Qindao, ICSC	Initiative/Programme	Sustainable Cities
Webpage	<a href="http://www.icsc.ca/project_list.html#southeast_asia">http://www.icsc.ca/project_list.html#southeast_asia</a>		

Location	Guanzhou	Sector	Cleaner Production/Energy Saving
Title	Sustainable Housing/Training Project		
Project Bodies	Guanzhou, ICSC	Initiative/Programme	Sustainable Cities
Webpage	<a href="http://www.icsc.ca/project_list.html#southeast_asia">http://www.icsc.ca/project_list.html#southeast_asia</a>		

Location	Beijing	Sector	Transportation/ Air Quality Management
Title	Beijing Urban Railway Project		
Project Bodies	Beijing, JBIC	Initiative/Programme	JBIC
Webpage	<a href="http://www.jbic.go.jp">http://www.jbic.go.jp</a>		

Location	Guiyan	Sector	Urban Management/ Cleaner Production
Title	Japan -China Model Cities Project		
Project Bodies	JBIC, Guiyan	Initiative/Programme	JBIC
Webpage	<a href="http://www.jbic.go.jp">http://www.jbic.go.jp</a>		

Location	Darlian	Sector	Urban Management/ Cleaner Production
Title	Japan -China Model Cities Project		
Project Bodies	JBIC, Darlian, Kitakyushu	Initiative/Programme	JBIC
Webpage	<a href="http://www.jbic.go.jp">http://www.jbic.go.jp</a>		

Location	Chongqin	Sector	Urban Management/ Cleaner Production
Title	Japan -China Model Cities Project		
Project Bodies	JBIC, Chongqing	Initiative/Programme	JBIC
Webpage	<a href="http://www.jbic.go.jp">http://www.jbic.go.jp</a>		

Location	Tiantsing	Sector	Waste Water Treatment
Title	Tiantsing Waste Water Management		
Project Bodies	JBIC, Tiantsing	Initiative/Programme	JBIC
Webpage	<a href="http://www.jbic.go.jp">http://www.jbic.go.jp</a>		

Location	Shenyang	Sector	Urban Management/ Cleaner Production
Title	Shenyan Environment Project		
Project Bodies	JBIC, Shenyang	Initiative/Programme	JBIC
Webpage	<a href="http://www.jbic.go.jp">http://www.jbic.go.jp</a>		

Location	Chongqing	Sector	Transportation/Air Quality Management
Title	Chongqing Monorail Project		
Project Bodies	JBIC, Chongqing	Initiative/Programme	JBIC
Webpage	<a href="http://www.jbic.go.jp">http://www.jbic.go.jp</a>		

Location	Shanxi Prov. (Taiyuan, Datong and Yangquan cities)	Sector	Air Quality Control
Title	Shanxi Environment Improvement		
Project Bodies	Shanxi Prov. Taiyuan, Datong, Yanquan, ADB	Initiative/Programme	ADB
Webpage	<a href="http://www.adb.org/Documents/Profiles/LOAN/28388013.ASP">http://www.adb.org/Documents/Profiles/LOAN/28388013.ASP</a>		

Location	Anhui Province	Sector	Air Quality Control
Title	Acid Rain Control and Environmental Improvement Project		
Project Bodies	Anhui Environmental Protection Bureau	Initiative/Programme	ADB
Webpage	<a href="http://www.adb.org/Documents/Profiles/PPTA/33441012.ASP">http://www.adb.org/Documents/Profiles/PPTA/33441012.ASP</a>		

Location	Tianjin City	Sector	Waste Water Treatment
Title	Tianjin Wastewater Treatment and Water Resources Protection		
Project Bodies	Tianjin Municipal Government	Initiative/Programme	ADB
Webpage	<a href="http://www.adb.org/Documents/Profiles/LOAN/31190013.ASP">http://www.adb.org/Documents/Profiles/LOAN/31190013.ASP</a>		

Location	Wuhan	Sector	Waste Water Treatment
Title	Wuhan Wastewater Treatment		
Project Bodies	Wuhan Construction Administration Commission	Initiative/Programme	ADB
Webpage	<a href="http://www.adb.org/Documents/Profiles/PPTA/34472012.ASP">http://www.adb.org/Documents/Profiles/PPTA/34472012.ASP</a>		

Location	Shanghai	Sector	Waste Water Treatment/ Water Sanitation
Title	Shanghai Suzhou Creek Environmental Rehabilitation		
Project Bodies	Anhui Provincial Finance Bureau	Initiative/Programme	ADB
Webpage	<a href="http://www.adb.org/Documents/Profiles/PPTA/32121012.ASP">http://www.adb.org/Documents/Profiles/PPTA/32121012.ASP</a>		

Location	Harbin City	Sector	Waste Water Treatment/ Water Sanitation
Title	Harbin Water Supply		
Project Bodies	Harbin Municipal Water Supply Construction Company	Initiative/Programme	ADB
Webpage	<a href="http://www.adb.org/Documents/Profiles/PPTA/33177012.ASP">http://www.adb.org/Documents/Profiles/PPTA/33177012.ASP</a>		

Location	Hubei Province	Sector	Waste Water Treatment
Title	Hebei Province Wastewater Treatment		
Project Bodies	Hebei Finance Bureau	Initiative/Programme	ADB
Webpage	<a href="http://www.adb.org/Documents/Profiles/PPTA/32327012.ASP">http://www.adb.org/Documents/Profiles/PPTA/32327012.ASP</a>		

Location	Liaoning Province	Sector	Waste Water Treatment
Title	Liao River Basin Project		
Project Bodies	Liaoning Province, and the 3 Project Cities	Initiative/Programme	IBRD
Webpage	<a href="http://www4.worldbank.org/sprojects/Project.asp?pid=P051859">http://www4.worldbank.org/sprojects/Project.asp?pid=P051859</a>		

Location	Wuhan	Sector	Urban Environmental Management
Title	Wuhan Sustainable City		
Project Bodies	Wuhan	Initiative/Programme	UNEP/UNCHS
Webpage	<a href="http://www.unchs.org/uef/cities/summary/">http://www.unchs.org/uef/cities/summary/</a>		

Location	Wuxi	Sector	Wastewater Treatment
Title	Wuxi Wastewater Treatment Project		
Project Bodies	Wuxi City	Initiative/Programme	Wuxi City

### India

Location	Urban centers in the districts of Agra, Mathura and Ferozabad	Sector	Human Settlement
Title	Taj Mahal Environmental Improvements Project		
Project Bodies	Project Management Unit, Government of Uttar Pradesh	Initiative/Programme	ADB
Webpage	<a href="http://www.adb.org/Documents/Profiles/LOAN/29047013.ASP">http://www.adb.org/Documents/Profiles/LOAN/29047013.ASP</a>		

Location	Calcutta	Sector	Human Settlement/Solid Waste Management
Title	Calcutta Environmental Improvement		
Project Bodies	Calcutta Municipal Corporation	Initiative/Programme	ADB
Webpage	<a href="http://www.adb.org/Documents/Profiles/LOAN/29466013.ASP">http://www.adb.org/Documents/Profiles/LOAN/29466013.ASP</a>		

Location	Katarnaka	Sector	Urban Administration
Title	Karnataka Urban Development and Coastal Environmental Management Project		
Project Bodies	Karnataka Urban Infrastructure Development and Financing Corporation	Initiative/Programme	ADB
Webpage	<a href="http://www.adb.org/Documents/Profiles/LOAN/30303013.ASP">http://www.adb.org/Documents/Profiles/LOAN/30303013.ASP</a>		

Location	Chennai (Madras)	Sector	Urban Environment Management
Title	Sustainable Madras Project		
Project Bodies	Cheennai	Initiative/Programme	UNEP/UNCHS
Webpage	<a href="http://www.unchs.org/uef/cities/summary/">http://www.unchs.org/uef/cities/summary/</a>		

### Indonesia

Location	Jakarta	Sector	Urban Environmental Management
Title	The Western Java Environmental Management Project		
Project Bodies	Ministry of Settlements & Regional Infrastructure	Initiative/Programme	IBRD
Webpage	<a href="http://www4.worldbank.org/sprojects/Project.asp?pid=P040528">http://www4.worldbank.org/sprojects/Project.asp?pid=P040528</a>		

Location	West Sulawesi	Sector	Urban Environmental Management
Title	the Second Sulawesi Urban Development Project		
Project Bodies	Min. of Public Works and Local Governments	Initiative/Programme	IBRD
Webpage	<a href="http://www4.worldbank.org/sprojects/Project.asp?pid=P036053">http://www4.worldbank.org/sprojects/Project.asp?pid=P036053</a>		

Location	East Java Province	Sector	Urban Environmental Management
Title	East Java Urban Development Project		
Project Bodies	Min. of Public Works, East Java Province	Initiative/Programme	IBRD
Webpage	<a href="http://www4.worldbank.org/sprojects/Project.asp?pid=P039312">http://www4.worldbank.org/sprojects/Project.asp?pid=P039312</a>		

Location	Kalimantan	Sector	Urban Environmental Management
Title	Kalimantan Urban Development Project		
Project Bodies	Public Water	Initiative/Programme	IBRD
Webpage	<a href="http://www4.worldbank.org/sprojects/Project.asp?pid=P003951">http://www4.worldbank.org/sprojects/Project.asp?pid=P003951</a>		

Location	Semarang	Sector	Urban Environmental Management
Title	Semarang Surakarta Urban Development Project		
Project Bodies	Semarang Municipality	Initiative/Programme	IBRD
Webpage	<a href="http://www4.worldbank.org/sprojects/Project.asp?pid=P003890">http://www4.worldbank.org/sprojects/Project.asp?pid=P003890</a>		

### Iran

Location	Tehran	Sector	Waste Water Treatment
Title	Tehran Sewerage Project Loan		
Project Bodies	Tehran Sewage Company	Initiative/Programme	IBRD
Webpage	<a href="http://www4.worldbank.org/sprojects/Project.asp?pid=P069946">http://www4.worldbank.org/sprojects/Project.asp?pid=P069946</a>		

Location	Tehran	Sector	Air Quality Control/ Transport
Title	Tehran Transport Emissions Reduction Project		
Project Bodies	Tehran Municipality	Initiative/Programme	IBRD/GEF
Webpage	<a href="http://www4.worldbank.org/sprojects/Project.asp?pid=P005174">http://www4.worldbank.org/sprojects/Project.asp?pid=P005174</a>		

### Japan

Location	Shimane Prefecture	Sector	Watershed Protection/Wastewater Management
Title	Lakes and Wetland Environment Protection Plan (3 <sup>rd</sup> Phase)		
Project Bodies	Shimane Prefecture, ME	Initiative/Programme	ME
Webpage	<a href="http://www.pref.shimane.jp/section/kankyo/kosyo/keikaku/keikaku_menu.html">http://www.pref.shimane.jp/section/kankyo/kosyo/keikaku/keikaku_menu.html</a> (Japanese only)		

Location	Shiga Prefecture	Sector	Watershed Protection/Wastewater Management
Title	Mother Lake 21 Project		
Project Bodies	Shiga Prefecture,	Initiative/Programme	
Webpage	<a href="http://www.pref.shiga.jp/biwako/koai/mother21/T3_index.htm">http://www.pref.shiga.jp/biwako/koai/mother21/T3_index.htm</a> (Japanese only)		

Location	Tokyo	Sector	Air Quality Management
Title	Diesel Countermeasures in the Tokyo Metropolis		
Project Bodies	Tokyo Metropolitan Government	Initiative/Programme	
Webpage	<a href="http://www.chijihonbu.metro.tkyo.jp/gaimuka/index3.files/currentissue/diesel/html">http://www.chijihonbu.metro.tkyo.jp/gaimuka/index3.files/currentissue/diesel/html</a>		

Location	Minamata City, Komamoto Pref.	Sector	Solid Waste Management
Title	Organic Waste Reduction Project		
Project Bodies	Minamata City	Initiative/Programme	Minamata City
Webpage	<a href="http://www7.tiki.ne.jp/~minamataeco/">http://www7.tiki.ne.jp/~minamataeco/</a>		
Webpage	<a href="http://www.osaka.cci.or.jp/Kankoubutsu/Shibuijyou/houkoku_96.html">http://www.osaka.cci.or.jp/Kankoubutsu/Shibuijyou/houkoku_96.html</a>		
Location	Kitakyushu City	Sector	Environmental Business and Industry
Title	Kitakyushu Eco-Town Project		
Project Bodies	Kitakyushu, MEI	Initiative/Programme	Kitakyushu, MEI
Webpage	<a href="http://www.city.kitakyushu.jp/~k2602010/index_2.html">http://www.city.kitakyushu.jp/~k2602010/index_2.html</a> (Japanese only)		

Location	Tokyo	Sector	Urban Traffic Management
Title	Discussion on Road Pricing in Tokyo		
Project Bodies	Tokyo Metropolitan Government	Initiative/Programme	
Webpage	<a href="http://www.kankyo.metro.tokyo.jp/jidousya/roadpricing">http://www.kankyo.metro.tokyo.jp/jidousya/roadpricing</a> (Japanese only)		

### Korea, Republic of.

Location	Pusan City and Chunbuk Province	Sector	Solid Waste Management
Title	Waste Disposal Project		
Project Bodies	Min. of Construction	Initiative/Programme	IBRD
Webpage	<a href="http://www4.worldbank.org/projects/Project.asp?pid=P035079">http://www4.worldbank.org/projects/Project.asp?pid=P035079</a>		

### Lao, PDR.,

Location	Vientiane	Sector	Urban Environmental Management
Title	Vientiane Urban Infrastructure and Services		
Project Bodies	Vientiane Prefecture	Initiative/Programme	ADB
Webpage	<a href="http://www.adb.org/Documents/Profiles/LOAN/33432013.ASP">http://www.adb.org/Documents/Profiles/LOAN/33432013.ASP</a>		

### Malaysia

Location	Kuala Lumpur	Sector	Solid Waste Management
Title	Effectiveness of Privatizing Solid Waste Management		
Project Bodies	Kuala Lumpur	Initiative/Programme	
Webpage	<a href="http://www.unescap.org/drpad/vc/conferene/bg_my4_eps.htm">http://www.unescap.org/drpad/vc/conferene/bg_my4_eps.htm</a>		

Location	Kuching	Sector	Urban Environment Management/ Health Issue
Title	Kuching Healthy City Project		
Project Bodies	Kuching	Initiative/Programme	Healthy Cities (WHO)
Webpage	<a href="http://www.geocities.com/TheTropics/2409/hcitykuc.htm">http://www.geocities.com/TheTropics/2409/hcitykuc.htm</a>		

## Mongolia

Location	Ulaanbaatar	Sector	Air Quality Management/ Cleaner Production
Title	Ulaanbaatar Power Plant Upgrading Project		
Project Bodies	JBIC, Ulaanbaatar	Initiative/Programme	JBIC
Webpage	<a href="http://www.ibic.go.jp">http://www.ibic.go.jp</a>		
Location	Ulaanbaatar	Sector	Urban Environmental Management
Title	Ulaanbaatar Services Improvement Project		
Project Bodies	Ulaanbaatar	Initiative/Programme	IBRD
Webpage	<a href="http://www4.worldbank.org/sprojects/Project.asp?pid=P036052">http://www4.worldbank.org/sprojects/Project.asp?pid=P036052</a>		

## Philippines

Location	Cebu		
Title	Cites in the Philippines Climate Action Project		
Project Bodies	Cebu, US-AEP	Initiative/Programme	
Webpage	<a href="http://cities21.com/co2/philippinesCAP.html">http://cities21.com/co2/philippinesCAP.html</a>		

Location	Naga City	Sector	Energy Conservation
Title	Cites in the Philippines Climate Action Project		
Project Bodies	Naga City	Initiative/Programme	ICLEI/USAID
Webpage	<a href="http://cities21.com/co2/philippinesCAP.html">http://cities21.com/co2/philippinesCAP.html</a>		

Location	Puerto Princesa	Sector	Comprehensive Environmental Management
Title	Cites in the Philippines Climate Action Project		
Project Bodies	Puerto Princesa	Initiative/Programme	ICLEI/USAID
Webpage	<a href="http://cities21.com/co2/philippinesCAP.html">http://cities21.com/co2/philippinesCAP.html</a>		

Location	Naga City	Sector	Energy Conservation
Title	Cites in the Philippines Climate Action Project		
Project Bodies	Naga City	Initiative/Programme	ICLEI/USAID
Webpage	<a href="http://cities21.com/co2/philippinesCAP.html">http://cities21.com/co2/philippinesCAP.html</a>		

Location	Cagayan de Oro	Sector	Comprehensive Environmental Management
Title	Cites in the Philippines Climate Action Project		
Project Bodies	Cagayan de Oro	Initiative/Programme	ICLEI/USAID
Webpage	<a href="http://cities21.com/co2/philippinesCAP.html">http://cities21.com/co2/philippinesCAP.html</a>		

Location	Metro Manila	Sector	Waste Water Treatment
Title	Pasig River Environmental Management and Rehabilitation Sector Development Program Loan		
Project Bodies	Pasig River Rehabilitation Commission	Initiative/Programme	ADB
Webpage	<a href="http://www.adb.org/Documents/Profiles/LOAN/30308023.ASP">http://www.adb.org/Documents/Profiles/LOAN/30308023.ASP</a>		



Location	Metro Manila and surrounding Provinces	Sector	Air Quality Control
Title	Metro Manila Air Quality Improvement Sector Development Program		
Project Bodies	Department of Environment and Natural Resources	Initiative/Programme	ADB
Webpage	<a href="http://www.adb.org/Documents/Profiles/LOAN/30480013.ASP">http://www.adb.org/Documents/Profiles/LOAN/30480013.ASP</a>		

Location	Metro Manila	Sector	Transport / Air Quality Control
Title	Metro Manila Urban Transport Integration Project– Bicycle Network Demonstration Pilot		
Project Bodies	City of Marikina	Initiative/Programme	IBRD
Webpage	<a href="http://www4.worldbank.org/sprojects/Project.asp?pid=P066509">http://www4.worldbank.org/sprojects/Project.asp?pid=P066509</a>		

Location	Metro Manila	Sector	Waste Water Treatment
Title	Manila Sewerage Project		
Project Bodies	MWSS	Initiative/Programme	IBRD
Webpage	<a href="http://www4.worldbank.org/sprojects/Project.asp?pid=P004611">http://www4.worldbank.org/sprojects/Project.asp?pid=P004611</a>		

Location	Cebu	Sector	Air Quality Management
Title	Cities in the Philippines Climate Action Project		
Project Bodies	Cebu, US-AEP	Initiative/Programme	ICLEI/USAID
Webpage	<a href="http://cities21.com/co2/philippinesCAP.html">http://cities21.com/co2/philippinesCAP.html</a>		

### Samoa

Location	Central Apia	Sector	Water Supply and Sanitation
Title	Sewerage and Drainage		
Project Bodies	Treasury Department	Initiative/Programme	ADB
Webpage	<a href="http://www.adb.org/Documents/Profiles/LOAN/28314013.ASP">http://www.adb.org/Documents/Profiles/LOAN/28314013.ASP</a>		

### Sri Lanka

Location	Colombo Metropolitan Government	Sector	Solid Waste Management
Title	Metropolitan Environment Improvement Program in Colombo		
Project Bodies	Colombo	Initiative/Programme	IBRD/UNDP
Webpage	<a href="http://www.bestpractices.org/cgi-bin/bp98.cgi?cmd+detail&amp;id=4202">http://www.bestpractices.org/cgi-bin/bp98.cgi?cmd+detail&amp;id=4202</a> also see, <a href="http://www.unchs.org/uef/cities/summary/">http://www.unchs.org/uef/cities/summary/</a>		

## Thailand

Location	Hat Yai, Udon Thani	Sector	Solid Waste Management /International Cooperation
Title	Sustainable Cities S. E. Asia Local Solid Waste Improvement Project (SEALSWIP)		
Project Bodies	Hat Yai, Udon Thani, ICSC, CIDA	Initiative/Programme	Sustainable Cities
Webpage	<a href="http://www.icsc.ca/project_list.html#southeast_asia">http://www.icsc.ca/project_list.html#southeast_asia</a>		

Location	Bangkok	Sector	Urban Afforestation /International Cooperation
Title	Urban Greening in Bangkok		
Project Bodies	ISCS, Bangkok	Initiative/Programme	Sustainable Cities
Webpage	<a href="http://www.icsc.ca/project_list.html#southeast_asia">http://www.icsc.ca/project_list.html#southeast_asia</a>		

Location	Phuket	Sector	Waste Water Mangement /International Cooperation
Title	Waste Water Process Plant		
Project Bodies	Phuket City, JICA	Initiative/Programme	JICA
Webpage	<a href="http://www.phuketcity.go.th">http://www.phuketcity.go.th</a>		

Location	Phuket	Sector	Solid Waste Mangement /International Cooperation
Title	Newly Introduced Incinerator		
Project Bodies	Phuket City, JICA	Initiative/Programme	JICA
Webpage	<a href="http://www.phuketcity.go.th">http://www.phuketcity.go.th</a>		

Location	Phitsanulok	Sector	Solid Waste Mangement /International Cooperation
Title	Solid Waste Management		
Project Bodies	Phitsanulok City, GTZ	Initiative/Programme	GTZ
Webpage	<a href="http://www.phsmun.go.th">http://www.phsmun.go.th</a>		

Location	Bangkok	Sector	Public Transportation /International Cooperation
Title	Bangkok Subway System		
Project Bodies	Bankgkok MG, JBIC	Initiative/Programme	JBIC
Webpage	<a href="http://www.jbic.go.jp">http://www.jbic.go.jp</a>		

Location	Bangkok	Sector	Waste Water Mangement /International Cooperation
Title	The 7 <sup>th</sup> Bangkok Waste Water Management		
Project Bodies	Bangkok MG, JBIC	Initiative/Programme	JBIC
Webpage	<a href="http://www.jbic.go.jp">http://www.jbic.go.jp</a>		

Location	Samut Prakarn Province	Sector	Waste Water Treatment
Title	Samut Prakarn Wastewater Management		
Project Bodies	Pollution Control Department	Initiative/Programme	ADB
Webpage	<a href="http://www.adb.org/Documents/Profiles/LOAN/26227023.ASP">http://www.adb.org/Documents/Profiles/LOAN/26227023.ASP</a>		

## Turkey

Location	Ho Chi Minh City	Sector	Waste Water Treatment
Title	Ho Chi Minh City Environmental Sanitation Project (Nhieu Loc - Thi Nghe Basin)		
Project Bodies	National Project Management Unit	Initiative/Programme	IBRD
Webpage	<a href="http://www4.worldbank.org/sprojects/Project.asp?pid=P052037">http://www4.worldbank.org/sprojects/Project.asp?pid=P052037</a>		
Location	Cesme-Alakati Municipality	Sector	Waste Water Treatment
Title	Cesme - Alacati Water Supply & Sewerage Project		
Project Bodies	Cesme-Alakati Union	Initiative/Programme	IBRD
Webpage	<a href="http://www4.worldbank.org/sprojects/Project.asp?pid=P008985">http://www4.worldbank.org/sprojects/Project.asp?pid=P008985</a>		

## USA

Location	Makati, Calabma, Los Banos, Bay, Alaminos (Philippines)	Sector	Solid Waste Management/International Cooperation /Inter-City Cooperation
Title	'Minnesota Waste Management in the Philippines 1999 Bridge-Funded Project		
Project Bodies	Minnesota State (US)	Initiative/Programme	SEI-ASIA
Webpage	<a href="http://www.sei-asia.org/projects/1999/bridge_funded/mn_philip/activities.html">http://www.sei-asia.org/projects/1999/bridge_funded/mn_philip/activities.html</a>		

Location	Pangazinan Province (Philippines)	Sector	Overall Environmental Management/International Cooperation /Inter-City Cooperation
Title	'Oregon - Philippines Pangasinan/Pacific Northwest Transfer of Environmentally Sustainable Technology (TEST) Program		
Project Bodies	Washinton State (US)	Initiative/Programme	SEI-ASIA
Webpage	<a href="http://www.sei-asia.org/projects/1997/or_phillip/or_phillip.html">http://www.sei-asia.org/projects/1997/or_phillip/or_phillip.html</a>		

Location	Ho Chi Minh (Viet Nam)	Sector	Air Pollution/ /Inter-City Cooperation
Title	'Building Capacity of Vietnamese Air Quality Agency		
Project Bodies	California State (US)	Initiative/Programme	SEI-ASIA
Webpage	<a href="http://www.sei-asia.org/projects/2001/ca_vietnam/default.html">http://www.sei-asia.org/projects/2001/ca_vietnam/default.html</a>		

Location	Muntinlupa (Philippines)	Sector	Water Pollution/ /Inter-City Cooperation
Title	Arizona Philippines-Environment Initiative		
Project Bodies	Alizona State (US)	Initiative/Programme	SEI-ASIA
Webpage	<a href="http://www.sei-asia.org/projects/1997/az_phillip.html">http://www.sei-asia.org/projects/1997/az_phillip.html</a>		

## Uzbekistan

Location	Tashkent	Sector	Waste
Title	Tashkent Solid Waste Management Project		
Project Bodies	Tashekent Municipality	Initiative/Programme	IBRD
Webpage	<a href="http://www4.worldbank.org/sprojects/Project.asp?pid=P049582">http://www4.worldbank.org/sprojects/Project.asp?pid=P049582</a>		

## Viet Nam

Location	Hanoi and other cities (Viet Nam)	Sector	Urban Management/ /Inter-City Cooperation
Title	'Colorado-Vietnam Urban Environment Management Project		
Project Bodies	Colorado State (US)	Initiative/Programme	SEI-ASIA
Webpage	<a href="http://www.sei-asia.org/projects/2001/co_vietnam/default.html">http://www.sei-asia.org/projects/2001/co_vietnam/default.html</a>		

### European Union

Location	Branska Bystrica, Slovakia	Sector	Waste Water Management/International Cooperation
Title	Wastewater Disposal System in Branska		
Project Bodies	EC, Branska	Initiative/Programme	European Commission
Webpage	<a href="http://www.europa.sk/english/index.htm">http://www.europa.sk/english/index.htm</a>		

Location	Liaoning Province (China)	Sector	Overall Environmental Management/International Cooperation
Title	'EU-China Liaoning Integrated Environmental Programme' ALA/CHN/97/4		
Project Bodies	EC, Yunnan Provincial Bureaus of Foreign Trade & Economic Cooperation, Poverty Alleviation Office, Environmental Protection Bureau	Initiative/Programme	European Commission (EU-China Cooperation Projects)
Webpage	<a href="http://www.ecd.org.cn/co/e0521.htm">http://www.ecd.org.cn/co/e0521.htm</a>		

Location	Yunnan Province(China)	Sector	Environment and Poverty Reduction /International Cooperation
Title	EU-China Honghe Environment Protection & Poverty Alleviation Project (HEPPAP) Pilot Phase ALA/CHN/97/3		
Project Bodies	EC, Provincial Planning Commission, Shenyang Government	Initiative/Programme	European Commission (EU-China Cooperation Projects)
Webpage	<a href="http://www.ecd.org.cn/co/e0523.htm">http://www.ecd.org.cn/co/e0523.htm</a>		

Location	Beijin City (China)	Sector	Air Quality Control /International Cooperation
Title	Vehicle Emission Control Co-operation Project		
Project Bodies	EC, SEPA	Initiative/Programme	European Commission (EU - China Cooperation Projects)
Webpage	<a href="http://www.ecd.org.cn/co/e0524.htm">http://www.ecd.org.cn/co/e0524.htm</a>		

Location	Cities of Mianyang and Zhang Zhou (China)	Sector	Solid Waste Management/International Cooperation
Title	Capacity Building for Municipal Solid Waste Management Reform in China		
Project Bodies	EC, Cities of Mianyang and Zhang Zhou and UNDP	Initiative/Programme	European Commission (EU-China Cooperation Projects)
Webpage	<a href="http://www.ecd.org.cn/co/e0525.htm">http://www.ecd.org.cn/co/e0525.htm</a>		

Location	Luan Prabang (Lao PDR)	Sector	Waste Water Management/International Cooperation
Title	Rehabilitation of wetland zones in Luang Prabang		
Project Bodies	EC, France, UNESCO, NGO	Initiative/Programme	European Commission
Webpage	<a href="http://www.deltha.cec.eu.int/en/projects/laos_projects_wetlands.htm">http://www.deltha.cec.eu.int/en/projects/laos_projects_wetlands.htm</a>		

Location	Trencin Right Bank, Slovakia	Sector	Waste Water Management/International Cooperation
Title	Trencin Right Bank Wastewater Treatment		
Project Bodies	EC, Slovakia	Initiative/Programme	European Commission
Webpage	<a href="http://www.europa.sk/english/index.htm">http://www.europa.sk/english/index.htm</a>		

#### Asia Urbs

Location	Jaipur (India)	Sector	Urban Development /International Cooperation
Title	Urban Renewal of walled Jaipur (IND-2-19)		
Project Bodies	Jaipur, Lyon(France), Leicester (UK)	Initiative/Programme	European Commission (Asia Urbs)
Webpage			

Location	Karachi (Pakistan)	Sector	Solidwaste Mangament/International Cooperation
Title	Vehicle Emission Control Co-operation Project (PAK-2-03)		
Project Bodies	Karachi, Gummersbach(Germany) La Roche-sur-Yon (France)	Initiative/Programme	European Commission (Asia-Urbs)
Webpage			

Location	Pak Kret	Sector	Recycling/International Cooperation
Title	Increaseing Public Involvement in waste reduction TAH-2-03		
Project Bodies	Pak Kret, Milton Keynes(UK), Keratisni (Greece)	Initiative/Programme	European Commission (Asia Urbs)
Webpage			

Location	Mumbai (India)	Sector	Solid Waste Management/International Cooperation
Title	Environmental Services and Waste Management in a Social Economy Context (IND-3-22)		
Project Bodies	Mumbai, Dublin (Ireland), Vila Nova Gaia (Portugal)	Initiative/Programme	European Commission (Asia Urbs)
Webpage			

Location	Nonthaburi, Pak Kret (Thailand)	Sector	Solid Waste Management /International Cooperation
Title	Sustainable Urban Health and Safety (THA -3-05)		
Project Bodies	Nonthaburi, Pak Kret , Nijmegen (Netherlands), Kalkar (Germany)	Initiative/Programme	European Commission (Asia-Urbs)
Webpage			

Location	Peshwar (Pakistan)	Sector	Sanitation and Solid Waste Management /International Cooperation
Title	Community Based Sanitation and Solid Waste Management		
Project Bodies	Peshaawar, Luton (UK) Rotterdam (Netherlands)	Initiative/Programme	European Commission (EU- China Cooperation Projects)
Webpage			