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**ACTION PLAN FOR FUTURE ACTIVITIES OF THE  
KITAKYUSHU INITIATIVE FOR A CLEAN ENVIRONMENT**

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## **I. INTRODUCTION**

Urban environmental improvement, as identified in the documents of the 4<sup>th</sup> Ministerial Conference on Environment and Development for Asia and the Pacific (MCED) in 2000, the Johannesburg Plan of Implementation, the Millennium Development Goals and other major conference documents, is a critical area that needs immediate attention and urgent actions. The Kitakyushu Initiative for a Clean Environment, adopted at the 4<sup>th</sup> MCED, has been successfully implemented through the guidance of the network of member cities towards tackling urban environmental problems. Based on the comprehensive review of its implementation and taking into account the necessity to further address urban environmental challenges, this action plan is being developed to guide future activities under the Kitakyushu Initiative between 2005 and 2010.

## **II. MISSION STATEMENT**

To achieve measurable improvements in urban environmental quality and human health in the Asia-Pacific region by promoting local initiatives to control air and water pollution, minimize all kinds of wastes and alleviate other emerging urban environmental problems.

## **III. SELECTED AREAS FOR ACTION**

Based on a review of the current state of the urban environment in the region and guidance provided by member cities participating in activities organized under the Kitakyushu Initiative, two broad themes have been identified for activities for 2005-2010, namely (i) urban environmental issues directly related to urgent needs in cities, i.e. poverty and human health; and (ii) long-term vision and capacities for environmentally-sound and sustainable management of cities.

Under these two themes, the following have been selected as the priority areas for the future implementation of the Initiative:

- (i) Urban environmental issues directly related to urgent needs in cities, i.e. poverty and human health, including:

- Solid waste management;
  - Air quality management;
  - Water conservation and wastewater treatment.
- (ii) Long-term vision and capacities for environmentally-sound and sustainable management of cities including:
- Integrated urban environmental management.

For carrying out activities in these priority areas, the Kitakyushu Initiative will maintain its ongoing implementation mechanisms for the promotion of effective local environmental initiatives, i.e. capacity-building through training, thematic seminars and implementation of pilot projects, technology transfer through sharing of successful practices, promoting the use of indicators for measuring successes, strengthening intercity cooperation through twinning, and building partnerships with all stakeholders, including international initiatives through networking.

## **A. Solid waste management**

### **1. Objectives**

- (i) Strengthen human and institutional capacity-building in municipal solid waste management;
- (ii) Remove barriers to solid waste management and develop appropriate methodologies to address them;
- (iii) Improve information sharing on solid waste management;
- (iv) Enhance community participation in collection and recycling of waste and strengthen public-private partnerships for solid waste management;
- (v) Assist cities in integrating GHG mitigation in municipal solid waste management;
- (vi) Promote linkages between urban solid waste management and the Clean Development Mechanism (CDM) in member cities.

## **2. Activities**

- (i) Conduct reviews on existing solid waste management policies and identify methodologies under a common framework that could be replicated for improvement of solid waste management. The review, which should be conducted with voluntary cooperation of the cities concerned, could cover institutional structure, planning process, regulatory and economic instruments, voluntary approaches, financing, technology, public participation, etc. Based on the review outcomes, appropriate methodologies could be identified and replicated to address specific problems in solid waste management at the local level;
- (ii) Upgrade the existing solid waste management section of the successful practices database on the Kitakyushu Initiative Network website to an online regional resource facility for solid waste management. The resource facility will include information on innovative practices on community-based solid waste management; on-line self-standing and moderated training programmes; database on institutions, experts, private sector suppliers, training providers, and financial institutions related to solid waste management; and policies as well as concept papers on community-based solid waste management;
- (iii) Enhance capacity-building of local governments to help identify potential CDM projects and assist them in project design and development process;
- (iv) Identify and conduct pilot projects for solid waste management and recycling with the participation of community and private sector;
- (v) Promote the development and application of quantitative indicators in various projects on solid waste management and evaluate their effectiveness.

## **B. Air quality management**

### **1. Objectives**

- (i) Promote improvement in air quality to meet WHO standards or local standards

where they exist;

- (ii) Enhance public awareness and stakeholder participation in air quality management;
- (iii) Identify, disseminate and replicate models on energy efficiency and air quality improvement;
- (iv) Strengthen institutional capacity to formulate and implement integrated policies in air quality management, with focus on sustainable urban transportation and GHG mitigation;
- (v) Promote methodologies for the implementation of integrated policies in air quality management through stakeholder participation.

## **2. Activities**

- (i) Conduct reviews on existing air quality management policies and identify methodologies under a common framework that could be replicated for air quality improvement. The review, which should be conducted with voluntary cooperation of the cities concerned, could cover institutional structure, planning process, regulatory and economic instruments, voluntary approaches, financing, technology, public participation, etc. Based on the review outcomes, appropriate methodologies could be identified and replicated to address specific problems in air quality management at the local level;
- (ii) Promote partnerships among various stakeholders for air quality management, including national and local governments, private sector, academia, community and media for air quality improvement. Efforts will also be made to promote international cooperation at the local level;
- (iii) Identify and conduct pilot projects or activities on public awareness improvement, energy efficiency, use of information and communication technologies in air quality management, and sustainable urban transportation management, including fuel pricing, cleaner fuel, application of user charge to vehicle purchase and use, alternative fuels and vehicles, etc;

- (iv) Strengthen capacity of local governments to identify and implement potential CDM projects;
- (v) Promote the development and application of quantitative indicators in various projects on air quality management and evaluate their effectiveness.

### **C. Water conservation and wastewater treatment**

#### **1. Objectives**

- (i) Improve coverage and efficiency of water supply and sanitation;
- (ii) Enhance community participation in water conservation and strengthen public-private partnerships for water supply and wastewater treatment;
- (iii) Establish, disseminate and promote replication of models on water conservation;
- (iv) Strengthen institutional capacity for formulation and adoption of sound pricing policies.

#### **2. Activities**

- (i) Conduct reviews on existing water conservation and wastewater treatment policies and identify methodologies under a common framework that could be replicated for water conservation and wastewater treatment. The review, which should be conducted with voluntary cooperation of the cities concerned, could cover institutional structure, planning process, regulatory and economic instruments, voluntary approaches, financing, technology, public participation, etc. Based on the review outcomes, appropriate methodologies could be identified and replicated to address specific problems in water conservation and wastewater management at the local level;
- (ii) Conduct pilot projects on water conservation and document the models for possible replication;

- (iii) Promote partnerships among various stakeholders for water conservation and wastewater treatment, including national and local governments, private sector, academia, community and media. Efforts will also be made to promote international cooperation at the local level;
- (iv) Identify appropriate pricing policies and promote the implementation of user charges to bridge the gap between affordability and cost;
- (v) Promote the development and application of quantitative indicators in various projects on water conservation and wastewater treatment and evaluate their effectiveness.

#### **D. Integrated urban environmental management**

##### **1. Objectives**

- (i) Promote integrated urban environmental planning strategies in member cities, which cover air and water quality, appropriate use of land, water supply and demand management, energy supply and demand management, sanitation and solid waste management, etc;
- (ii) Strengthen human and institutional capacity for integrated urban environmental management;
- (iii) Promote appropriate tools for integrated urban environmental management, such as information and communication technologies (ICT);
- (iv) Develop long-term vision and capacities for environmentally-sound and sustainable management of cities, in consideration of a society aiming towards the sustainable use of resources and zero emission.

##### **2. Activities**

- (i) Conduct reviews on existing policies and identify methodologies under a common framework that could be replicated for integrated urban

environmental management. This would help evaluate policies in terms of long-term goals and necessary capacities for environmentally-sound and sustainable management. The review, which should be conducted with voluntary cooperation of the cities concerned, could cover institutional structure, planning process, regulatory and economic instruments, voluntary approaches, financing, technology application, public participation, etc. Based on the review outcomes, appropriate methodologies could be identified and replicated to address specific problems in integrated urban environmental management at the local level;

- (ii) Provide assistance in formulating and implementing integrated and sustainable urban environmental plans and strategies, with focus on the integration of solid waste management, air quality management, water conservation and wastewater treatment, etc. in urban environmental planning;
- (iii) Enhance local capacity-building in integrated urban environmental management through conduct of training programmes;
- (iv) Conduct pilot projects to promote the use of ICT in integrated urban environmental management;
- (v) Collect, analyse and disseminate successful practices and promote their replication.

#### **IV. MEANS OF IMPLEMENTATION**

The following means of implementation will be used to implement the activities in the above areas:

##### **A. Networking**

The Network will be maintained and strengthened to link cities as well as existing urban initiatives, to share experiences and information, and facilitate the systematic transfer of successful practices and technology. As key focal points, national governments would be encouraged to assist in the facilitation of local environmental initiatives being taken in the implementation of the Kitakyushu Initiative. The Network

should also strengthen its outreach activities to influence wider audience, e.g. by designating Ambassadors of Goodwill. Network Meetings will be held yearly or every two years to review the status of implementation of the Kitakyushu Initiative. Specific themes will be identified for each Network Meeting and progress related to the themes will be evaluated by member cities and reviewed at the Meeting.

#### **B. Intercity cooperation and international cooperation based on local initiatives**

Intercity cooperation is one of the key features of the Kitakyushu Initiative, which will be further strengthened in its future implementation. Intercity transfer of technology, know-how packages, good practices and successful development models will be encouraged through the conduct of policy dialogues, twinning of cities, and collaboration with media. The importance of South-South cooperation should be emphasized in this process. Special efforts will be made to link local initiatives with international cooperation schemes with a view to ensuring financial, technical and information support, seeking synergies and forging mutually beneficial partnerships.

#### **C. Kitakyushu Initiative Award for Urban Environmental Improvement**

An award system will be established and institutionalized to acknowledge model environmental cities within the Kitakyushu Initiative. Criteria have been identified (Annex 2) to be finalized for the institution of the award system.

#### **D. Technology transfer**

Technology transfer is one of the critical factors in replicating experience from one city to another. The Kitakyushu Initiative promoted and facilitates the transfer of environmentally sound or clean technologies along with supportive measures and capacity-building. Assessment of local situations will be conducted to assist the identification of appropriate technologies. Technology transfer will be carried out through intercity cooperation and networking with other initiatives aiming to diffuse environmentally sound technologies in the region. Cooperation with the scientific community would also enhance the capacity of local governments to deal with technical information.

### **E. Use of ICT in urban environmental management**

The advancement of ICT provides an innovative way for access to environmental information as well as an effective tool for urban environmental management. It would facilitate and accelerate public participation in the efforts towards urban environmental improvement as well as the information and experience sharing among local governments. The Kitakyushu Initiative will make concrete actions to improve the use of ICT in environmental management via conduct of training programmes and pilot projects and use of the website for dissemination of best practices.

### **F. Financing mechanism**

For the further implementation of the Kitakyushu Initiative, it is essential to identify practical and innovative ways to mobilize all possible financial resources from the donor community. In addition to regular financial support from the donor country, it is important to explore, to the fullest extent possible, support from various international cooperation schemes and multilateral financial institutions, such as ADB, UNDP, GEF, etc. Policy dialogues will be carried out with donor agencies on possible replication of pilot projects and potential for upgrading them into investment projects. It was recommended that a financial mechanism be established to accommodate local concerns / priorities / projects to allow access to funds by local governments. For this purpose, a consortium of donors and technical cooperation agencies be developed to procure funding for the Kitakyushu Initiative on a sustainable basis.

## **V. MONITORING, EVALUATION AND REPORTING MECHANISM**

Periodical reviews will be conducted at different levels of project / programme implementation. In particular, reviews on the project implementation will be conducted by using existing quantitative indicators and developing suitable indicators to measure achievements. Network meetings will be organized yearly or every two years to review the progress made by the member cities in the selected focus areas. Member cities are responsible for making progress or final report on ongoing or completed network activities. The final review and evaluation of the implementation of the Kitakyushu Initiative will be conducted prior to the 6<sup>th</sup> MCED and the evaluation report will be submitted for the consideration of ministers at the Conference.

### Highlights of the Action Plan for Future Activities of the Kitakyushu Initiative for a Clean Environment

Priority Areas	Key Issues	Present Activities/Response	Way Forward
<b>Solid waste management</b>	<ul style="list-style-type: none"> <li>● Human and institutional capacity-building in municipal solid waste management</li> <li>● Information sharing on solid waste management</li> <li>● Community participation and public-private partnerships for solid waste management</li> <li>● Linkages between solid waste management and GHG mitigation</li> <li>● Linkages between solid waste management and CDM</li> </ul>	<ul style="list-style-type: none"> <li>● Thematic seminar on solid waste management</li> <li>● Completed pilot projects on solid waste management (Nonthaburi, Dhaka)</li> <li>● A database on successful practices on solid waste management</li> <li>● Quantitative indicators developed in combination with the pilot activities</li> </ul>	<ul style="list-style-type: none"> <li>● Conduct reviews on existing policies and identify appropriate methodologies for replication</li> <li>● Upgrade the existing database to an online regional resource facility, with focus on innovative practices on community-based solid waste management</li> <li>● Help local governments identify potential CDM projects and assist with project design and development</li> <li>● Identify and conduct pilot projects with the participation of community and private sector</li> <li>● Promote the development and application of quantitative indicators and evaluate their effectiveness</li> <li>● Capacity-building trainings/seminars</li> </ul>
<b>Air quality management</b>	<ul style="list-style-type: none"> <li>● Improvement of air quality to meet WHO standards or local standards</li> <li>● Community and stakeholder participation in air quality management</li> <li>● Information sharing on successful practices</li> </ul>	<ul style="list-style-type: none"> <li>● Thematic seminar on urban air quality management</li> <li>● National workshops on stakeholder participation in air quality management</li> <li>● Completed or ongoing pilot projects/activities on air quality management (Puerto Princesa,</li> </ul>	<ul style="list-style-type: none"> <li>● Conduct reviews on existing policies and identify appropriate methodologies for replication</li> <li>● Promote partnerships among various stakeholders</li> <li>● Identify and conduct pilot projects/activities on               <ul style="list-style-type: none"> <li>- public awareness</li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>● Capacity-building for formulating and implementing integrated policies, with focus on sustainable urban transportation and GHG mitigation</li> </ul>	<p>Chongqing, Surabaya)</p> <ul style="list-style-type: none"> <li>● A database on successful practices on air quality management</li> <li>● Quantitative indicators developed in combination with the pilot activities</li> </ul>	<p>improvement</p> <ul style="list-style-type: none"> <li>- energy efficiency</li> <li>- use of ICT in air quality management</li> <li>- sustainable urban transportation management</li> </ul> <ul style="list-style-type: none"> <li>● Strengthen capacity of local governments to identify and implement potential CDM projects</li> <li>● Collect, analyse and disseminate successful practices and promote their replication</li> <li>● Promote the development and application of quantitative indicators and evaluate their effectiveness</li> <li>● Capacity-building trainings /seminars</li> </ul>
<b>Water conservation and wastewater treatment</b>	<ul style="list-style-type: none"> <li>● Universal coverage and efficiency of water supply and sanitation</li> <li>● Community participation in water conservation and public-private partnerships for water supply and wastewater treatment</li> <li>● Information sharing on water conservation and wastewater treatment for transfer and replication</li> <li>● Institutional capacity-building for formulating sound water-related policies</li> </ul>	<ul style="list-style-type: none"> <li>● Thematic seminar on public-private partnerships for urban water supply and wastewater management</li> <li>● Completed pilot projects/activities on water supply and wastewater management (Weihai, Korat)</li> <li>● A database on successful practices on water quality management</li> <li>● Quantitative indicators developed in combination with the pilot activities</li> </ul>	<ul style="list-style-type: none"> <li>● Conduct reviews on existing policies and identify appropriate methodologies for replication</li> <li>● Conduct pilot projects and document models</li> <li>● Promote partnerships and international cooperation at the local level</li> <li>● Identify appropriate pricing policies and promote the implementation of user charges</li> <li>● Collect, analyse and disseminate successful practices and promote their replication</li> <li>● Promote the development and application of quantitative</li> </ul>

			<p>indicators and evaluate their effectiveness</p> <ul style="list-style-type: none"> <li>● Capacity-building trainings/seminars</li> </ul>
<b>Integrated urban environmental management</b>	<ul style="list-style-type: none"> <li>● Lack of integrated urban environmental planning strategies</li> <li>● Human and institutional capacity-building for integrated urban environmental management</li> <li>● Appropriate tools for integrated urban environmental management</li> <li>● Long-term vision and capacities for environmentally-sound and sustainable management of cities</li> </ul>	<ul style="list-style-type: none"> <li>● Thematic seminar on industrial relocation</li> <li>● Thematic seminar on public participation in urban environmental management</li> <li>● Thematic seminars on linkages between local initiatives and international cooperation</li> <li>● Ongoing pilot project on urban environmental improvement in Cebu</li> <li>● A portfolio of successful practices on integrated urban environmental management</li> </ul>	<ul style="list-style-type: none"> <li>● Conduct reviews on existing policies and identify methodologies for replication</li> <li>● Assist member cities in formulating and implementing integrated urban environmental plans and strategies</li> <li>● Capacity-building trainings/seminars</li> <li>● Conduct pilot projects to promote the use of ICT in integrated urban environmental management</li> <li>● Collect, analyse and disseminate successful practices and promote their replication</li> </ul>
<b>Means of implementation</b>	<ul style="list-style-type: none"> <li>● Networking</li> <li>● Intercity cooperation and international cooperation based on local initiatives</li> <li>● Kitakyushu Initiative Award for Urban Environmental Improvement</li> <li>● Technology transfer</li> <li>● Use of ICT in urban environmental management</li> <li>● Mobilization of all possible financial resources</li> </ul>		

## **KITAKYUSHU INITIATIVE AWARD FOR URBAN ENVIRONMENTAL IMPROVEMENT**

### **Background and purpose**

As a recommendation from the Second Network Meeting of the Kitakyushu Initiative in October 2003, an award system was proposed for the Kitakyushu Initiative for a Clean Environment to acknowledge outstanding achievements of member cities towards urban environmental improvement, particularly in the priority areas of the Initiative, namely air and water pollution control and minimization of all kinds of waste.

### **Nature of award**

The award winner will receive a commemorative plaque especially designed for this purpose.

### **Periodicity**

The award shall be presented biennially at the Network Meeting. The first award will be presented in 2005.

### **Eligibility**

The award is open to local authorities, NGOs or institutions of the member cities for their contribution to urban environmental improvement.

### **Criteria to identify awardees**

The award winner should demonstrate tangible achievements in at least one of the following areas:

- Improvement in urban environmental quality and human health, particularly in reduction of air and water pollution and minimization of all kinds of waste;
- Development of exemplary stakeholder participation in urban environmental

management, as evidenced by partnerships among national and local governments, NGOs, community-based organizations, private sector, academia, media, civic leaders, volunteers and international agencies;

- Practical demonstration of urban environmental improvement through empowerment of communities, neighborhoods and people, particularly vulnerable groups such as women and disable;
- Development and effective use of indicators in monitoring and improvement of the urban environment;
- Demonstration of measurable progress through developing, sharing, transferring or replicating successful practices, technical know-how, expertise and experience through the network or intercity cooperation;
- Visible improvement in urban environment through formulation and implementation of integrated and comprehensive urban development strategies.

### **Selection procedure**

An announcement will be made to invite applications for the award to focal points in member cities. Upon receiving applications, a five-member Selection Committee of the Secretariat will review the progress made by the candidate member cities and decide the award winner based on the above criteria.