

# Urban Environmental Management Project

## Mission and Background

*"Integrating Global Concerns into Urban Environmental Management in Asia"*

For the first time in history, more than half of the world's population is urban dwellers. Population and urban economic growth impact directly on the environment. Urban population expansion relates directly to consumption and a higher demand for resources.

This, in turn, causes the generation of more activities. The third phase research (FY2004-FY2006) focus of the Urban Environmental Management Project is how to integrate global environmental concerns into local management and planning in Asia, making greenhouse gas emission reduction the ultimate goal. The project builds its rationale on the common understanding that human activities in cities have profound environmental impacts far beyond city boundaries.



## Research Outline

We set the targets on the **Transportation** and **Waste Management** sectors which present the most prominent environmental issues for cities in Asia. These sectors are found to be contributing to both local and global environmental concerns. The existing information on the Asian cities and various research outputs re-endorses the fact that issues in these sectors need special attention in order for us to realise the environmental sustainability of cities.



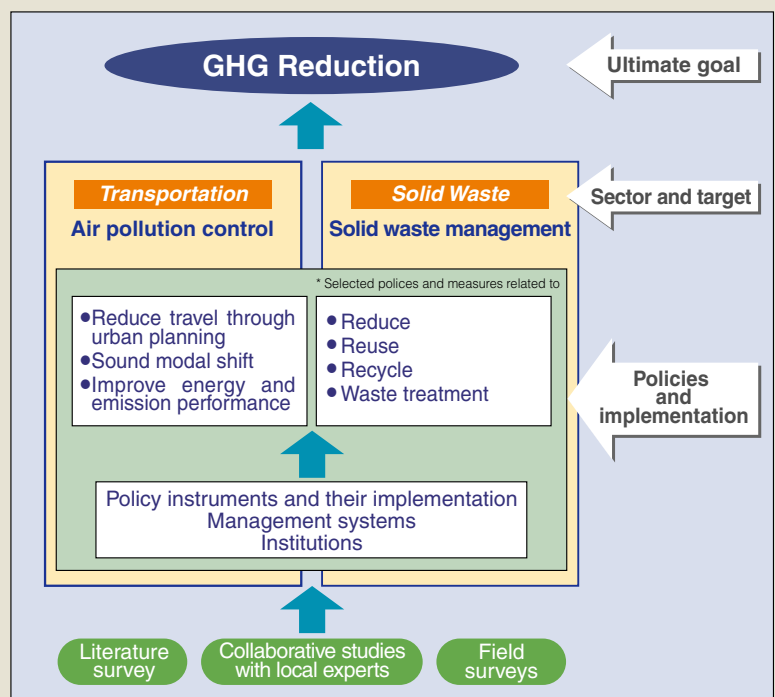
### Two strategic targets

#### ● Air pollution control in the transportation sector

by reducing travel demand through urban planning practices, sound modal shift, and improving energy and emission performance of automobiles.

#### ● Improvement of solid waste management

by means of Reducing, Reusing and Recycling (3R), which are the centre of the Circular Economy concept that represents an integrated perspective in the waste sector, enclosing upstream and downstream issues.



# Research Activities

## Transportation

- To identify strategic factors that impede or facilitate the implementation of :
  - Urban planning measures, such as mixed land use and compact cities.
  - The use of public and non-motorised transportation modes and restraint of private car usage.
  - Energy and emission performance improvements, such as compact cars and early disposal of vehicles.

## Waste Management

- To identify potential, opportunities and barriers in implementing 3R in Asian cities based on the studies on the current status and impacts of the implementation of the Basic Law for the Promotion of Sound Material Cycle Society in Japanese cities.
- To develop and prioritise a set of strategies necessary for the implementation of 3R in solid waste management in Asian cities.

## Selected Activities

- Special session "Urban Transformation and Reform for Sustainability - Local Solutions for Global Change" in the IHDP Open Meeting 2005 at Bonn, Germany / October 2005
- Participation in the MCED 5 (the Fifth Ministerial Conference on Environment and Development in Asia and the Pacific 2005) in Seoul, and the endorsement of the second cycle of the Kitakyushu Initiative.

## Past Researches

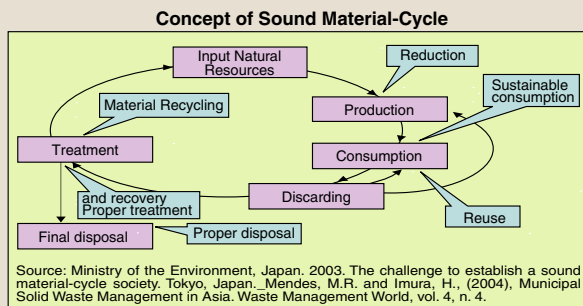
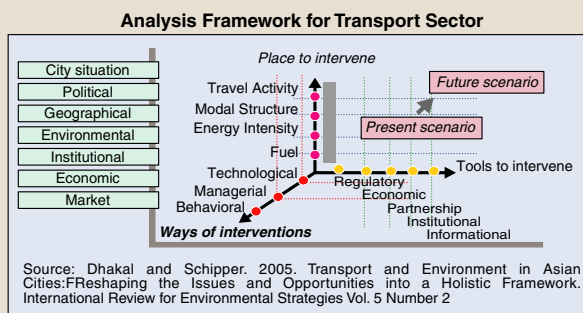
- Support for the China Council for International Cooperation on Environment and Development (CCICED)/ 2001-2004
- Urban policy integration of energy related environmental issues in selected Asian mega-cities/ 2001-2004
- Technical support for the implementation of the Kitakyushu Initiative for a Clean Environment/ 2001-2004
- Urban Environment Challenge in Asia: Current situations and management strategies/1998-2001 etc.

# Publications

- Urban Environmental Management Challenges in Asia/ 2005
- Urban Energy Use and Greenhouse Gas Emissions in Asian Mega-Cities: Policies for a sustainable future/ 2005
- Handbook of Environmental Measures in Kitakyushu City: The Building blocks towards a sustainable society/ 2004
- Financial Strategies for Urban Environmental Infrastructure in Asia/ 2004
- Financial Mechanisms for Environmental Protection in China/ 2004
- Thematic Seminar for the Kitakyushu Initiative #1-#5/ 2002-2003 etc.

## For Further Information & Contact

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IHDP Open Meeting 2005: Special Session



MCED 2005  
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