Fourth Meeting of the Kitakyushu Initiative Network

Sustainable Cities Programme
In Asia

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Key features of the Sustainable Cities Programme

What?
A facility to package and apply environmental technologies and know-how

How?
By strengthening local partnerships to address urban environmental problems

Who?
Municipalities and local partners with multi-and bilateral external support

(UN-HABITAT, UNDP, UNEP, WB, WHO, ILO, Germany, France, Denmark, Sweden, Japan, the Netherlands, Belgium)
Added Value of the SCP-EPM

• Broad-base stakeholder involvement rather than master planning
• Bottom-up problem solving rather than top-down decision making
• Mobilization of local resources
• A framework to coordinate external support
• Integrating environmental concerns in urban planning and management
• An instrument for localizing Agenda 21
Typical Priority Issues to be addressed

SCP Partner Cities - Priority Issues (in %)

Environmental Health / Sanitation
Ecological Planning
Institutional changes
Urban Mobility
Air Pollution
CDS
City expansion on the sea
Water Source Management
Unplanned Settlements
Environmental Hazards
Urban Agriculture
Industrial Risks
Legal issues

UN-Habitat/UNEP Sustainable Cities Programme
Today SCP Supports + 66 cities in 10 Asian Countries

Iran 3:
- Rasht
- Mashad
- Sanandaj

Sri Lanka 18:
- Colombo
- Dehiwela-Mt. Levinia
- Kotte
- Morotuwa
- Kulonnawa
- Panadura
- Wattala
- Gampaha
- Kandy
- Matale
- Nuwara Eliya
- Ratnapura
- Galle
- Kattankudhi
- Batticaloa
- Kilinochi
- Jaffna

P.R. China 5:
- Shenyang
- Wuhan
- Hailin
- Guiyang
- Panzhihua

Republic of Korea 5:
- Hanam
- Seogwipo (+3)

Thailand 5:
- Chiang Rai
- Khon Kaen
- Songkla
- Rayong
- Nakorn Phanthom

Vietnam 4:
- Vinh (+3)

India 12:
- Chennai
- Alandur
- Ambatur
- Maharastra (+8)

PNG 3:
- Lae
- Alotau
- Kokopo

Philippines 9:
- Lipa
- Tagbilaran
- Cagayan de Oro
- Plus 6 nationally
SCP Anchor Institutions in Asia

Mongolia
• Mongolian Association of Cities
• Mongolian University of Science and Technology
• Ministry of Construction and Urban Development
• Urban Planning Design and Research Institute

China
• ACCA21
• Beijing University
• Partner City Universities

INDIA
• Ministry of Urban Development
• Maharastra State Government
• Indian Mayors Association
• All Indian Institute of Local Governance

Philippines
• Department of Interior and Local Government
• League of Cities of the Philippines
• University of the Philippines
• Asia Institute of Management
• Local Government Academy
• Partner City Universities

Sri Lanka
• Ministry of Urban Development
• Ministry of Provincial Councils and Local Government
• Sri Lanka Mayors Association
• Sri Lanka Institute of Local Governance
• University of Moratowa
• Sri Lanka Institute of Local Administration
• Center for Urban and Regional Planning

Thailand
• Department of Local Government
• National Municipal League of Thailand
• Thai Environment Institute
• 6 Regional Universities

Korea
• Ministry of Science and Technology
• Ministry of Environment
• Ministry of Construction
• Seoul National University
• Gangwon Development Research Institute

Papua New Guinea
• Department of Community Development
• Department of Provincial Government
• PNG Local Level Government Association
• National Research Institute
• PNG Institute of Development Administration

Mongolia
• Ministry of Urban Development
• Ministry of Construction and Urban Development
• Urban Planning Design and Research Institute

SCP Demonstration City
in preparation/potential replications
SCP Sri Lanka Replication

Phase 1: Demonstration Cities (1999-2002)
Colombo, Dehiwala, Kotte

Phase 2: Western Province Replication (2000-2003)
Negombo, Wattala, Kolonnawa, Moratuwa, Panadura

Gampaha, Ratnapura, Kandy, Matale, Nuwara Eliya

Phase 4: North and East Replication (2005-2007)
Jaffna, Kilinochchi, Batticaloa, Kattankudy, Galle
# Prioritised Issues

<table>
<thead>
<tr>
<th>City</th>
<th>Issues</th>
<th>Demo-projects</th>
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</thead>
<tbody>
<tr>
<td>Colombo</td>
<td>• Solid waste management&lt;br&gt;• Drainage and flood control&lt;br&gt;• Industrial pollution</td>
<td>• Mobilization and popularization of metered water supply connection to nine low income communities&lt;br&gt;• Improvement of Water and Sanitation Facilities&lt;br&gt;• Green Star Homes Project&lt;br&gt;• Management and improvement of the city’s air quality</td>
</tr>
<tr>
<td>Kotte</td>
<td>• Solid Waste Management&lt;br&gt;• Collection disposal&lt;br&gt;• Storm water drainage&lt;br&gt;• Sewerage disposal and sanitation</td>
<td>• Home Composting Bin Project&lt;br&gt;• Biogas Unit – Vajira Sri Children`s Home&lt;br&gt;• Waste collection and Sorting center at Beddegana&lt;br&gt;• Sewerage Treatment Plant at Skanda Devala Place</td>
</tr>
<tr>
<td>Dehiwala</td>
<td>• Solid Waste Management and urban greening&lt;br&gt;• Management of recycle waste and establishment of a collection center</td>
<td>• Waste Collection and Sorting Center at Badowita</td>
</tr>
</tbody>
</table>
Improving basic urban services provision
Sri Lanka Solid Waste Management
Maharashtra Phase 1
Prioritised Issues

- Solid Waste Management
- Water Supply- augmentation schemes and distribution.
- Waste Water Management
- Infrastructure Development, Resource Mobilization and Development Planning
- Role Of ULB in City development and Gender Specific issues.
- Awareness and capacity building for sustainable environment planning and management.
Maharashtra Phase 1
Demo-Projects

Bio Gas Technology

DEMO PROJECTS OF WASTE PROCESSING
Replicating Lessons Learned Nationally

National follow-up and replication anchors:

- AIM (Lipa)
- UP-SERP
- DILG- GOFAR
- Tagbilaran
- Cagayan de Oro

3 municipalities in the Philippines
## Prioritised Issues

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<tr>
<td>Lipa</td>
<td>- Solid Waste management</td>
<td>- Community based solid waste management and clean technologies</td>
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<td></td>
<td>- Water Resource management</td>
<td>- Alternative technologies</td>
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<td></td>
<td>- Sustainable land use planning</td>
<td>- Reforestation</td>
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<td></td>
<td>- Servicing unplanned Settlements</td>
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<td>- Managing recreation and green areas</td>
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<tr>
<td>Tagbilaran</td>
<td>- Solid Waste management</td>
<td>- Bio- composting and Organic fertilizer production</td>
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<td>- Coastal waste management</td>
<td>- Segregation of biodegradable waste at source</td>
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<td></td>
<td>- Air quality and traffic management</td>
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<tr>
<td>Cagayan de</td>
<td>- Solid Waste management</td>
<td>- Sorting at source</td>
</tr>
<tr>
<td>oro</td>
<td>- Comprehensible and sustainable land use planning</td>
<td>- Bio-degradable composting</td>
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<tr>
<td></td>
<td>- Coastal Resource Management</td>
<td>- Urban –agriculture allotment, per-urban vegetable production</td>
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<td>- Mangrove Restoration</td>
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</tbody>
</table>
Management of Sensitive Environments

Cagayan d’ Oro, Philippines

Mangrove rehabilitation and building Artificial Reefs

Monthly Clean-up day

Mangrove seedlings
## Prioritised Issues

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| Shenyang | - Air pollution  
- Inadequate water supply and quality  
- Solid waste –  
- Land degradation  
- Environmental health risks | - Dual water distribution in Teixi District  
- Construction of the North Wastewater Treatment Plant  
- Introduction of unleaded petrol  
- Energy management  
- Construction of a domestic solid waste landfill site  
- Improved city greening |
SCP Replication in Korea

Hanam/ Issues addressed:
- waste management,
- energy, water, housing,
- industry and natural endowments

Seogwipo/ Issues Addressed
- Water resource management
- Water quality management plan through watershed management
- Ground water over-abstraction

Phase 1 Demonstration- Hanam
Phase 2 Replication -Seogwipo : Eco-city Network
Phase 3 Replication at provincial level – Gangwon Province
THE WAY FORWARD

Supporting cities to meet global conventions:
► Reduction of Global Warming
► Land base pollution
► Urban Biodiversity and Ecological Management
Thank you!