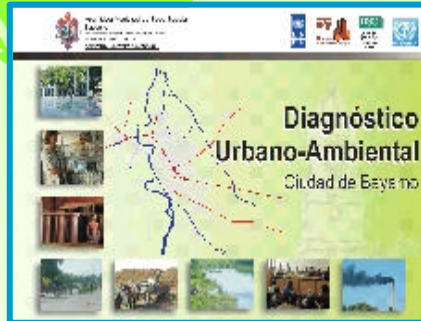


# Local EPM Implementation Process in 5 stages

## 1. City Environmental Profile/ Outlook



## 3. Working groups



## 4. Strategy & Action plans



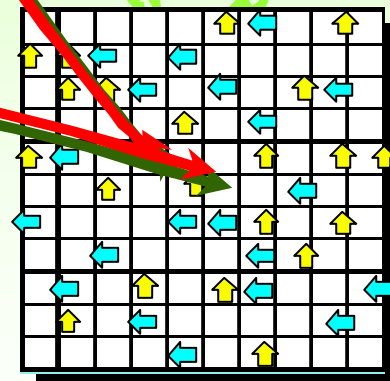
## 2. City Consultation

# Urban Environmental Profile

- ➔ identify key issues
- ➔ identify key actors
- ➔ provide common information base to all partners
- ➔ brief and involve local and international partners

resources					hazards				
water resources	urban air resources	agricultural potential	recreation, open space	historical heritage	solid waste disposal	flooding and drainage	industrial risks	environmental health	unstable slopes

municipal dept. A
municipal dept. B
municipal dept. C
government ministry A
government ministry B
para-statal agencies
business community
private enterprise
community groups
NGOs, CBO's, etc.
research institution



# City Consultation Objectives

- bring stakeholders to prioritize issues
- demonstrate advantages of broad-based inter-sectoral approach
- agree on mechanisms for SCP/LA21 process implementation
- secure mandate, commitment and coordination for EPM
- mobilize local and international support

# Basic Urban Services – BUS

## A challenging Initiative under UN-HABITAT/SCP

### Expected Results in a Nutshell:-

Improved local BUS strategies and approaches, contributing to:

- Better access to basic services for urban poor
- Reduction of water & sanitation related health problems
- Improved economic productivity and livelihood



# Sustainable Urban Mobility – SUM

“safer – cleaner – low cost”

Mobility improvement  
menus for the urban poor:

- traffic calming, more safety thro' crossings, separations, bus bays
- promote non-motorised traffic like cycling, walking
- improve local access thro' appropriate NMT infrastructure

**A Partnerships towards a safer, cleaner and low-cost transportation in Kisumu**

**Sustainable Urban Mobility Project**

**Kisumu**

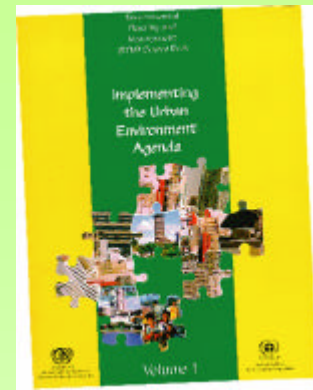
*Making Travelling in Kisumu Worthwhile*

**Sustainable Urban Mobility Project**

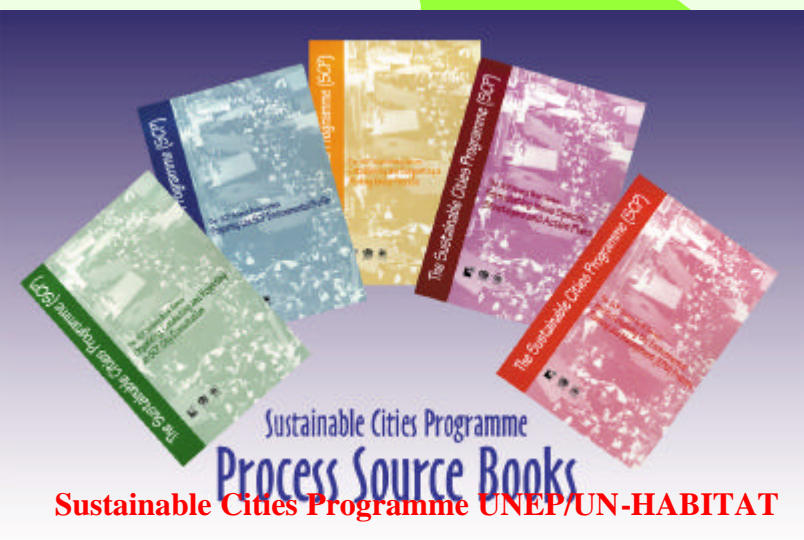
The Core Team  
Kisumu Sustainable Urban Mobility Project  
P.O. Box 105  
40100 Kisumu, Kenya  
Phone: +254 57 41994  
Email: [grwasonga@hotmail.com](mailto:grwasonga@hotmail.com)

A collaborative project of the  
Municipal Council of Kisumu,  
UNESCO-IHE, ITDG and  
UN-HABITAT/UNEP

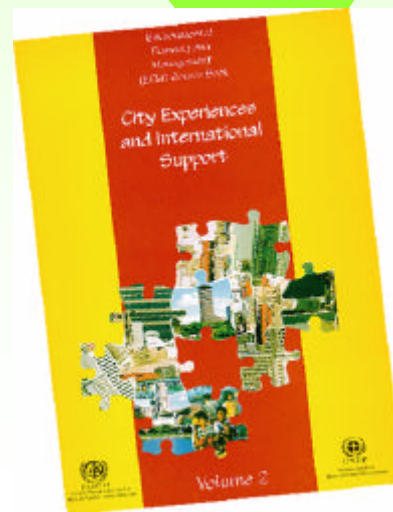
# Sustainable Cities Programme – Empowering Cities with Capacities and Tools for Sustainable Environmental Management



- Tools for Equitable, broad-Based and gender sensitive participation
- Tools for Issue Identification, Action Planning and implementation
- Tools for Consultations, Capacity Development and Institutionalisation
- Thematic tools for specific issue management



Sustainable Cities Programme UNEP/UN-HABITAT



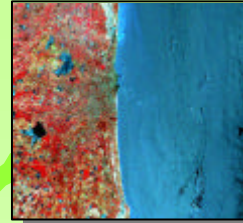
# EMIS Step-by-step

## 3. Base map

The base map is the basis for all EMIS maps and contains ...

- basic landforms
- grid lines
- road network
- hydrographic network
- built-up area
- common scale, legend, and layout

## 4. Imagery

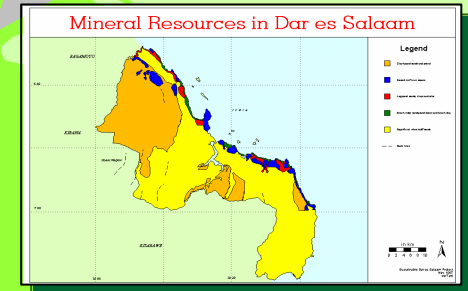


Satellite images and aerial photographs ...

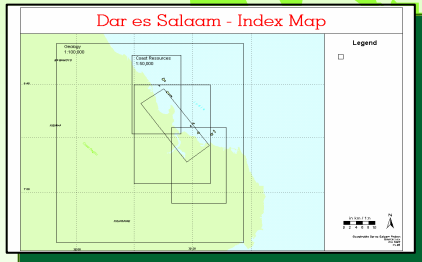
help to update existing maps  
are the basis for developing new maps

## 5. Thematic maps

showing strictly factual information derived from research working group generated

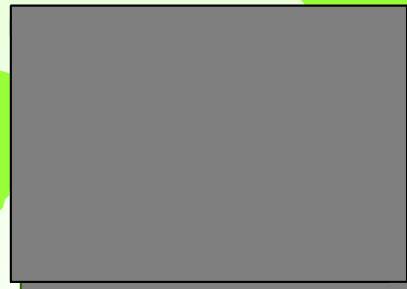


## 2. Inventory



Index map of all available maps and plans with title and scale  
Database on all available maps related to environmental issues

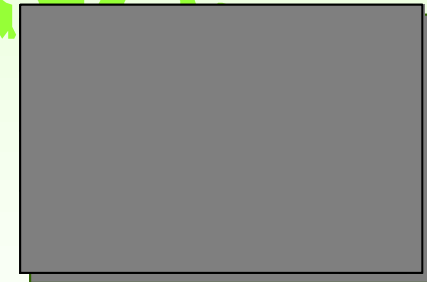
## 8. Development Pattern



Overlay maps with engineering constraints  
Overlaying maps with preservation constraints  
Rank constraints shown of the overall environmental constraint map  
Transform ranks of constraint into ranks of suitability

## 6. Suitability map

is based on the results from issue Working Groups  
defines areas suitable for certain purposes according to "conditions" and "rules"  
provides a number of options



## 1. The Mapping Working Group:

is composed of people from the mapping and information sections of various institutions  
Advises on locally acceptable mapping standards  
co-ordinates with issue specific working groups to integrate "rules" and "conditions" into thematic maps

## 7. Overlays and Hotspots



The overlay of thematic maps and suitability maps provides a picture of the intensity of competing and/or conflicting usages in specific areas.

# Local Government

Improved Services Delivery, Expertise,  
Control and Accountability,  
Good Urban Governance,  
Local Leadership Training

## Urban Activities

Needs and Concerns

Good Services Delivery,  
Enablement & Expertise,  
By-Laws – Control and  
Accountability

Cost Effectiveness, Cost Recovery &  
Profitability, Promotion of Local Business

Building Bridges, Civic Engage-  
ment and Trust, Transparency &  
Accountability, Conflict  
Resolution, Cross-  
Subsidization & Affordability

Urban Pact,  
Services Delivery, Skills &  
Employment, Privatization of

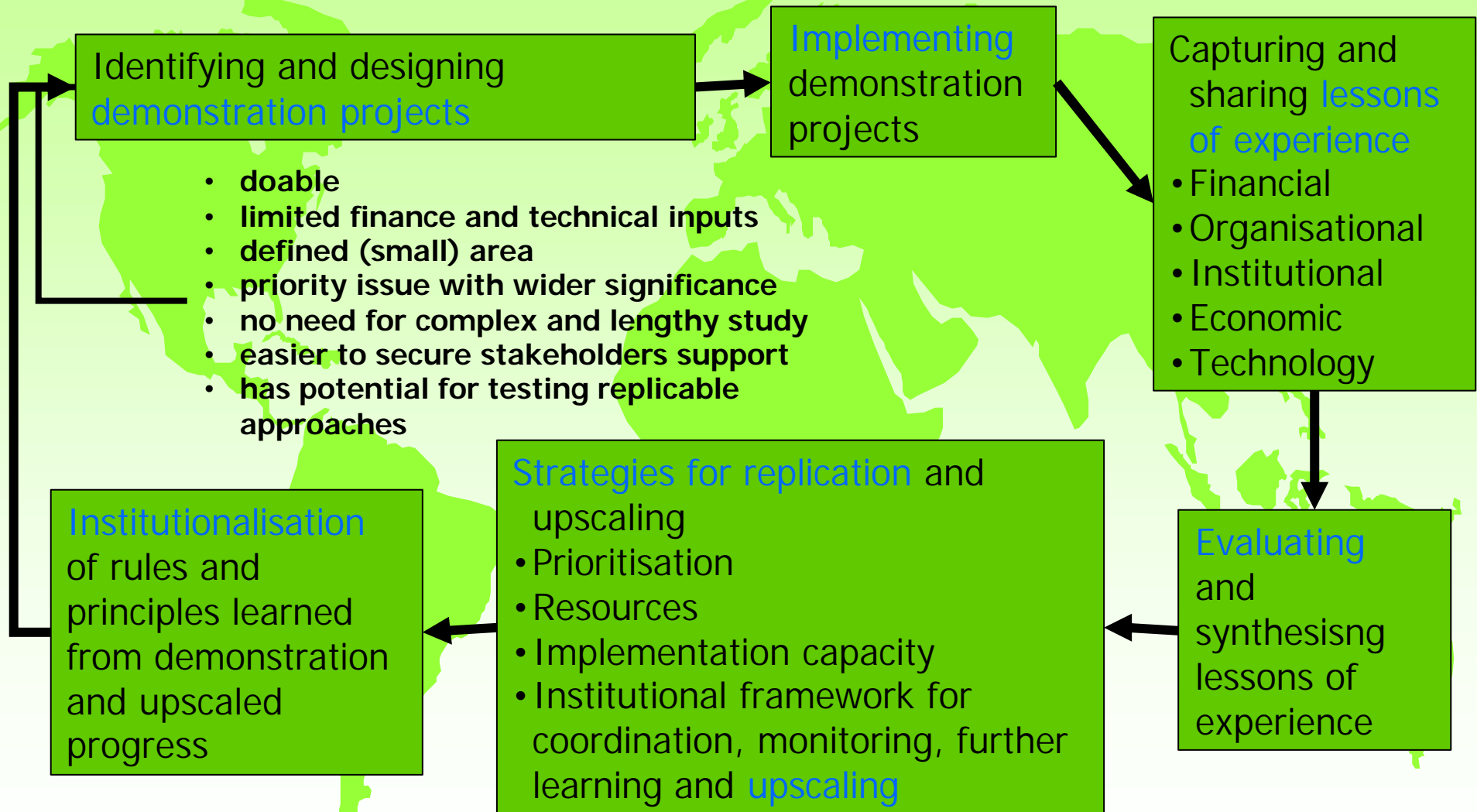
Basic Services & Shelter, Income  
Generation, Safety, Skills,  
NGO/CBO Capacity, Gender  
responsiveness, Culture &  
Build-up Heritage

# Civil Society

# Private Sector



# Replication and up-scaling



Replication: Project ——— Projects  
 Upscaling: Project ——— Programme