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Eco²Cities



Ecological Cities as Economic Cities

www.worldbank.org/eco2

Eco² Cities Guide

Ryoko Iizuka

Finance, Economics and Urban Department

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[1]

Challenge: How ?

The 350-page **Eco² Book** elaborates on the principles, methods and tools, case studies and sector notes.

But how can cities implement Eco² on the ground?



A guide ?

[2]

Challenge: The Guide

- Eco² is a comprehensive framework, addressing many sectors and issues.
- The Guide needs to be concise and easy to read for decision makers.
- Though concrete suggestions are needed, the Guide can't be too technical or specific.
- Would the tools work in developing countries ?
- Not all elements are under control of cities.

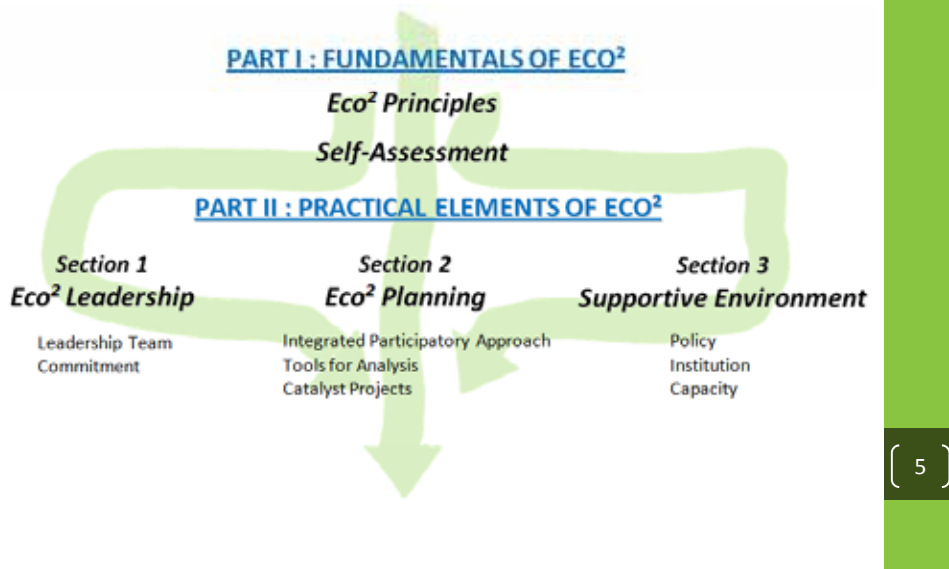
{ 3 }

The 60-page Eco² Guide

- ➔ Highlights the key messages for busy decision makers (mayors, city officials)
- ➔ Helps them understand the messages through self-assessment, examples, stories and exercises
- ➔ Explains key elements of Eco² approach / process
- ➔ Provides quick tips / intro in analysis and project formulation (e.g. use of GIS, energy efficiency assessment, financing)

{ 4 }

Structure of the Eco² Guide



Self-Assessment

Self-Assessment

Principle 1: A City-Based Approach

Common Scenario

- **Local governments have limited authority** or interest in long-term urban planning and investment. They mostly depend on the national government for leadership and policy decision
- Neighb

Eco² Scenario

- Mayors are at the center of a decision-making network, closely aligned with international events and nearby cities. **The city council provides visioning and timely leadership.**

Exercise: Self Assessment

After reading the Two Scenarios and the Key Performance Indicators, think about the following questions:

1. Where does your city currently stand with respect to the above key performance indicators, in the context of planning and management of urban development? Mark your score.

	KEY PERFORMANCE INDICATORS	SCORE				
		Not even close		Moderate		Almost there
1	Proactive Planning and Leadership	1	2	3	4	5
2	Bottom-up Action and Local Innovations	1	2	3	4	5

Leadership Team



{ 7 }

Eco² Planning Integrated Participatory Approach

CHARRETTE

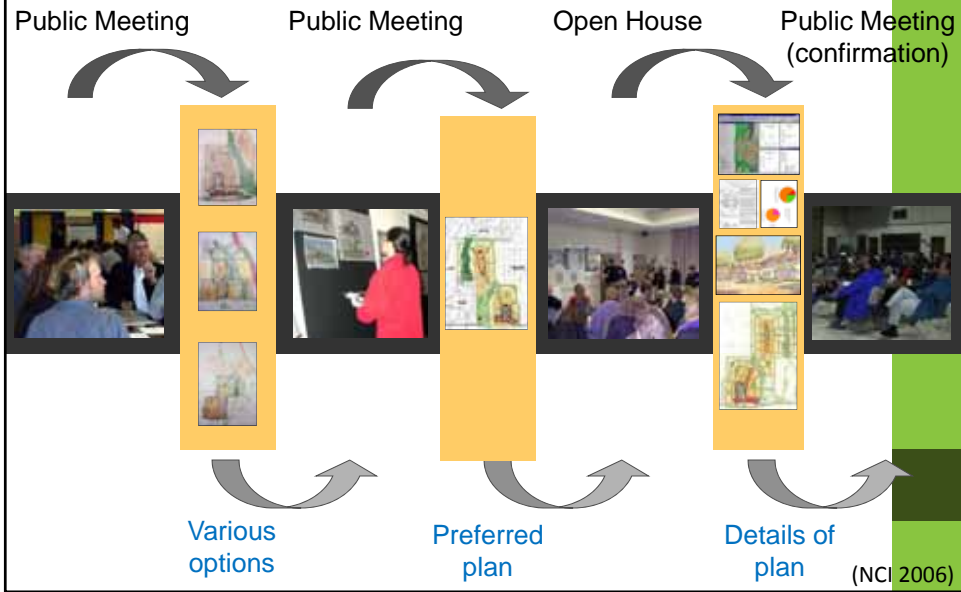
A **collaborative** design and planning workshop inclusive of all affected stakeholders at critical decision making points to produce a **feasible** plan

It's one phase of dynamic planning process,
which requires extensive preparation
and follow-up

(NCI 2006)

{ 8 }

Charrette: 3 Feedback Loops



Charrette: From Idea to Feasible Plan



Example 1: NCI Charrette BART Station Transit Village, Contra Costa, CA

Problem

- Highway interchange caused sudden development and huge traffic congestion
- Developer-driven, community resistance

Objective

Redevelop the 18-acre site into a sound urban village



Photo: NCI

Example 1 cont'd Charrette Results



Photo: Contra Costa County

- The products during the 6-day :
 - Form-based zoning codes
 - A transit plan for buses
 - A pedestrian paths & parks plan
 - Market & financial feasibility analyses, etc
- A comprehensive and detailed plan that met the basic requirements of all parties

Example 1 cont'd

Charrette Results

- In 2002, the district unanimously approved the plan, and incorporated it into the area specific plan
- In 2006, started implementation
- The first two phases (two blocks of mid-rise retail and housing) was completed in 2010.



Photo: Contra Costa County

Before



After



Photos: Contra Costa

“The charrette process has developed a plan that no one group of people could – it has drawn the best from those who participated”

participant from neighborhood

Example 2: Design Workshop Ho Chi Minh City, Vietnam

- Ho Chi Minh City hosted the **5-day design workshop on Greenway Corridor**, inviting various city departments.
- The draft concept integrated a Bus Rapid Transit system along the existing highway, access to pedestrians, public space, and mixed use highlighting the city’s identity.
- It was revised with the feedback from the participants.



Example 2 Cont'd

Lessons – Design Workshop HCMC

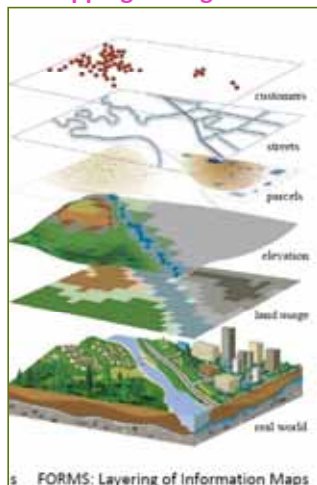
- “Charrette” needs to be adjusted in the environment where participation is not the norm → start small
- Even with less feedback loops, the comments can be captured and the product can be improved significantly
- Visual presentation of options helps the participants understand and visualize immediately



Source: Lyon Town Planning Agency / DESO, 2011

Tools for Analysis (examples)

Mapping through GIS



Tool for Rapid Assessment of City Energy (TRACE) ESMAP / World Bank



Life Cycle Costing Canada Mortgage & Housing Corporation



18

Developing Catalyst Projects

Catalyst projects are the first try-outs of interventions, which demonstrate and advocate new approaches, and ultimately stimulate similar or larger investments and actions by others.

Some tips:

- 1) Build on existing success (e.g. Stockholm)
- 2) Get support from senior government
- 3) Align with priority of city and public
- 4) Have sufficient time for preparation
- 5) Etc.

(19)

Example: Catalyst Project Ahmedabad, India

- Ahmedabad implemented the **Bus Rapid Transit (BRT)** System in overall planning of the regional rail and metro.
- The project improved accessibility and mobility, also serving as a catalyst for area development.
- The open lands of university areas and major junctions on the ring road transformed into a convention hall, commercial malls, buildings.
- In 4 months, **42,500 passengers** use BRT every day on the 18 km corridor.

(Source: National Institute of Urban Affairs, 2011)



(20)

Issues

- Finding a good entry point for integrated sustainable solutions
- Involvement of various stakeholders, throughout the process
- User friendliness / usefulness of technologies and tools
- Finding solutions in the existing complexity
- Finding and promoting innovations in developing countries

{ 21 }

Thank you

Information on Eco2:

www.worldbank.org/eco2

Hiroaki Suzuki, hsuzuki@worldbank.org

Information on Charrette:

National Charrette Institute (NCI) www.charretteinstitute.org
Contra Costa / BART Transit Village <http://centrepoinpoints.org/home.php>

{ 22 }