



Eco² Cities: Ecological Cities as Economic Cities

The World Bank's New Urban Development Initiative

www.worldbank.org/eco2



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Urbanization Generate Both Economic Growth & Environmental Challenges



New Urban Landscape



Shopping Mall



Investment



Increasing Solid Waste



Air Pollution & GHG



Natural Disaster



Source: International Energy Agency, 2005; World Bank Staff Estimates

Eco vs. Eco ?



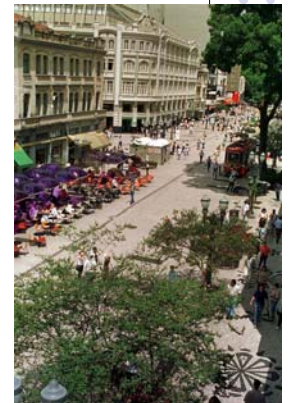
- How can we continue to more effectively harness the opportunities for economic growth and poverty reduction offered by urbanization, while we also mitigate for some of the negative economic, social and environmental externalities of rapid urbanization?
- And how can we do so given the unprecedented speed and the scale at which this urbanization is progressing?

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Eco² Cities: Ecological Cities as Economic Cities



- Eco² Cities is a new World Bank initiative that addresses specifically this challenge
- It is focused on making sure developing countries lock-in the benefits of both: ecological and economic sustainability, while the window of opportunity is still open
- It is based on detailed review of the challenges confronting developing cities
- It is also based on an in-depth analysis of best practice cases from across the world



What do we mean by an Ecological City?

- Sustainably harness the benefits of ecological systems
- Protect, nurture and assign value to ecological assets
- Regenerate nature while improving overall wellbeing of citizens
- Design and manage cities by learning from the self-organizing, efficient and adaptive strategies used by nature



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What do we mean by an Economic City?

- Create value and opportunity by efficiently using and valuing all assets, tangible and intangible
- Enable productive, inclusive, and sustainable economic activity
- Move beyond a narrow focus on short term productivity – to long term resilience



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The fusion ... The Eco² City

- Explicitly builds on the positive synergy and increasing interdependence of ecological and economic sustainability
- Enhances resource efficiency in ways that also enhance quality of life, competitiveness, and resilience
- Uses these benefits to include and help the urban poor
- Makes long-term and sustainable investments that serve to
 - strengthen fiscal capacity, and
 - create an enduring 'culture of sustainability'

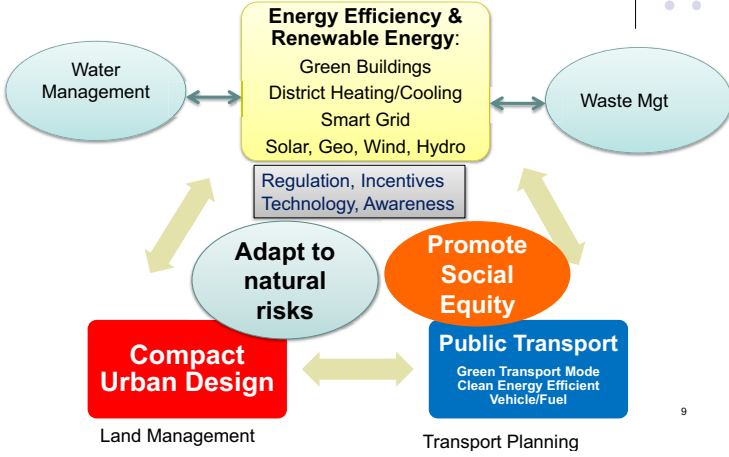
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Eco²: Four Principles

- A City Based Approach
 - Enables Local Governments to Proactively Lead and Inspire
 - Always Adapted to the Specific Circumstances and Local Ecology
- An Expanded Platform for Collaborative Design and Decision Making
 - Sustained Synergy through Coordination and Alignment of Stakeholder Actions and Incentives
- A One System Approach
 - Realize Benefits of Integration
 - Optimize the City-System as a Whole
- An Investment Framework that Values Sustainability and Resiliency
 - Life Cycle Analysis
 - Asses Value and Benchmark all Capital Assets (Manufactured, Natural, Social and Human)
 - Broader Risk Assessments and Adaptive Strategies for Resilience

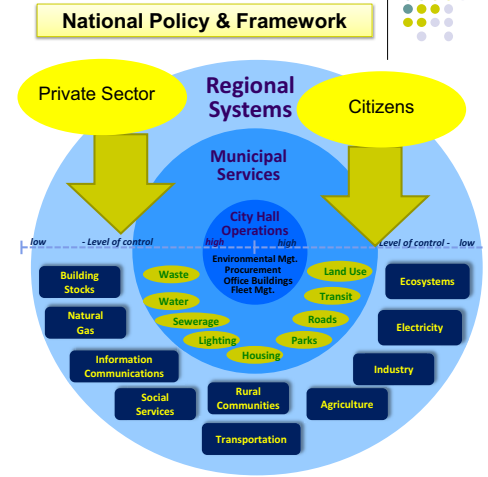
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Eco²: Integrated Approach

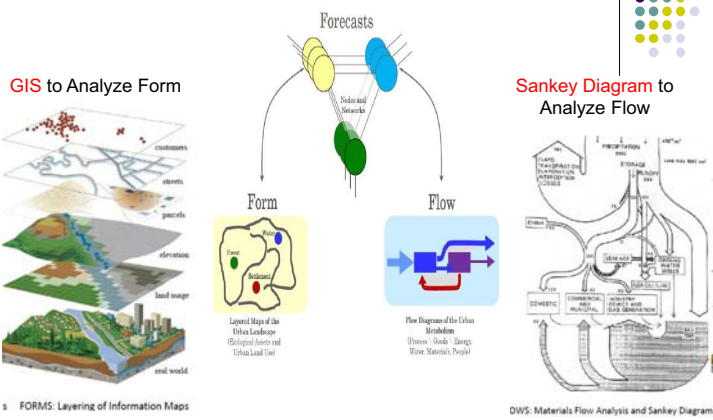


Eco²: Stakeholder Involvement

1. Collaboration with all the stakeholders
2. A shared planning framework
3. Integrated Design Process
4. Policy/Investment Coordination

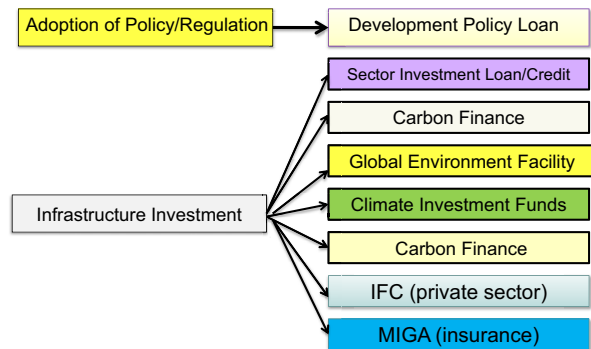


Eco²: Methodology and Tools

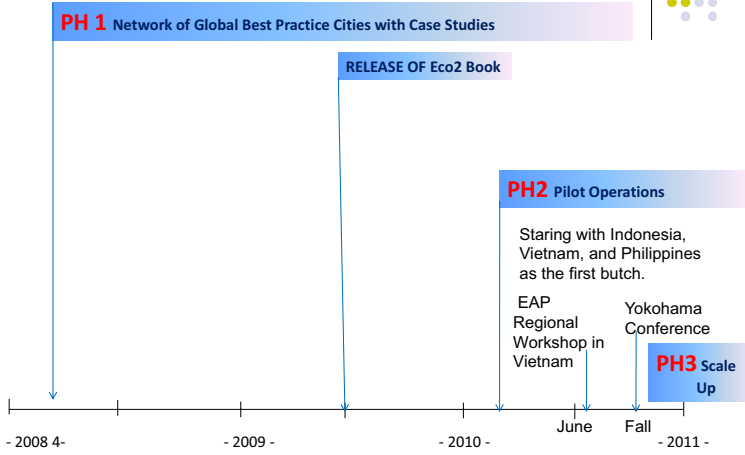


Eco²: Various Financial Instruments

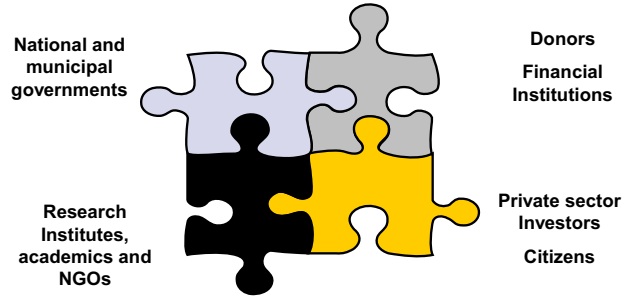
Alignment of World Bank financing instruments:



Eco²Busines Process & Timeline



Eco² Partnership: Each of you have a place to participate in Eco² Cities Initiative



THANKS & TERIMA KASHI



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