

CLIMATE CHANGE

100%

80%

BUILDINGS

RESOURCES

Tools & Instruments for Climate Change Adaptation in Urban Planning

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COMMUNITY



TRANSPORT

PLACEMAKING

ECOLOGY

2. DPA – Megacity Roundtable
HCMC Department of Planning and Architecture
15. March 2012 | TP Ho Chi Minh



Flood Protection



Water Management



Greenery & Natural Systems



Solar Control



Compactness



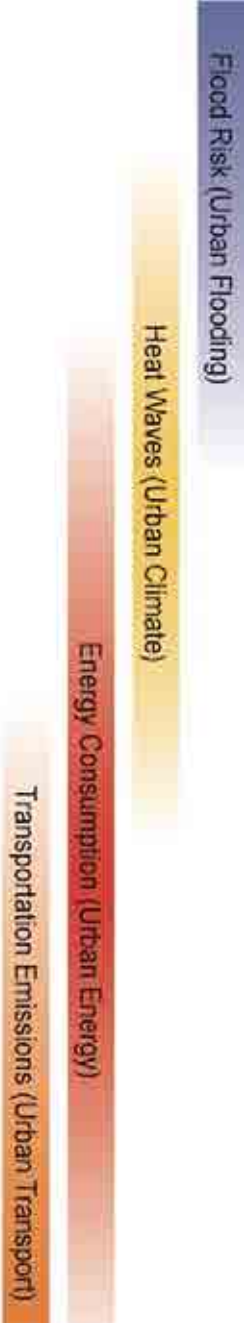
Energy Efficiency



Spatial Decentralization



Sustainable Mobility



Adaptation

Measures and Strategies for Urban Planning and Design regarding

- Urban Form
- Building Density
- Construction Principles
- Open and Green Spaces
- Flood Protection
- Technical Infrastructure
- Mobility, etc.

Principles are addressing HCMC's main Environmental Risks related to

- Flooding
- Climate
- Rising Energy Demand
- Rising GHG Emissions

Mitigation

**Urban Planning and Design Principles
For Climate Change Adaptation (and Mitigation)**

► Top-down approach

- Implementation of Urban Planning Principles into the legal framework (laws, codes, decrees, guidelines, approval procedures)

► Bottom-up Approach

- Dissemination of Knowledge through Handbooks and Training
- Demonstration of Applicability through Exemplary Planning Studies and Prototypes
- Improvement of the local Adaptive Capacity and Increase of Acceptance through Community Based Adaptation Schemes

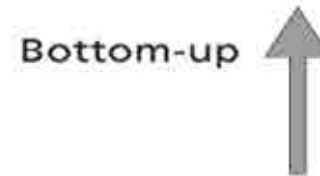
Urban Planning and Urban Design Guidelines



Implementation into Legal Framework



Mainstreaming of Climate Change Adaptation into Urban Planning



Dissemination of Knowledge



Toolkit of Adaptation Measures
Design Catalogue

Demonstration of Applicability



Exemplary Planning Study
Prototypes

Improvement of Local Response Capacity



Community Based Adaptation Scheme

Adaptation Framework Top-down and Bottom-up Approaches

Content

Implementation

User

Building

Neighbour-
hood

City



Recommendations for Energy Efficient and Climate Change Adapted Land Use Planning, Project Development and Construction

non-binding

binding

National Standards

National Codes/ Decrees

Municipal Standards

Directives for Plan-making Processes

Recommendations for Public/ Administration

Municipal Decrees

Rating System

Zoning

Workshops/ Roundtables

Design Coding

Incentive Schemes?

Capacity of Planning System?

Binding and Non-binding Instruments/ Approaches for Climate Change Integration

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Building



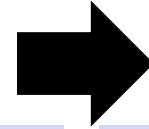
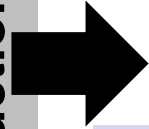
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