

## An Integrated Approach to Urban Sustainable Infrastructure Investment



Xueman Wang  
 Coordinator for Global Platform for Sustainable Cities (GPSC)  
 World Bank

Sustainable Development through Quality Infrastructure Investment  
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### “External” Consideration: Policy, Economic & Regulatory Environment

#### Case of China:

#### From basic infrastructure investment to “quality”

- China’s New Urbanization Strategy
  - “Human-centered urbanization” promoting an integrated approach to urban planning and investment: Green, Livable, Low-Carbon and Sustainable
  - The key components include: reducing the size of city blocks, more road network density, mixed-land use, transit-oriented development, and reduced energy use
- Example: Case of Chongqing
- Challenges

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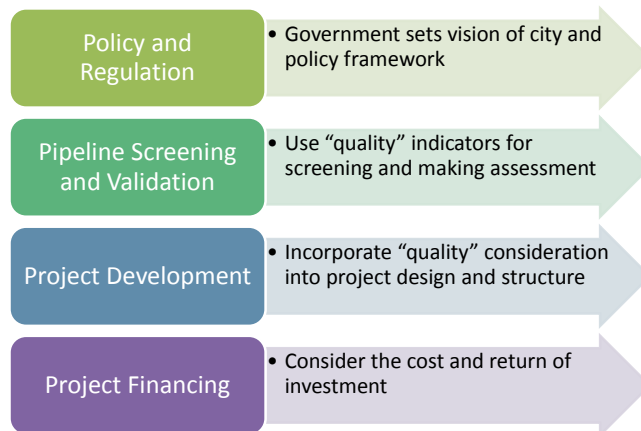
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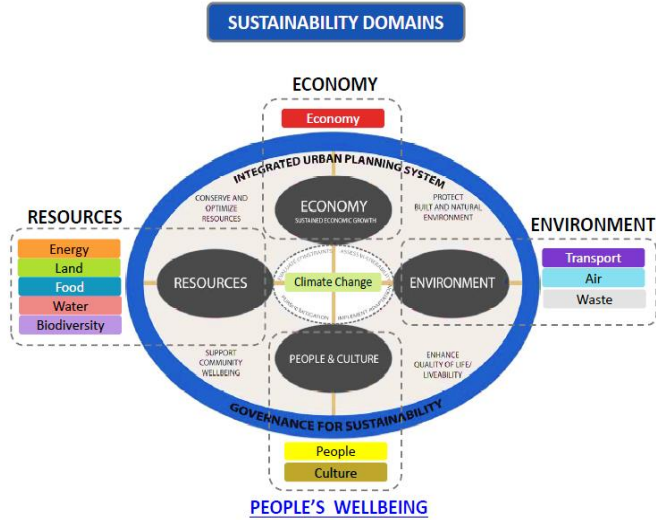
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## Incorporating “Quality” consideration into Project Cycle

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## Integrated Approach to Urban Sustainable Planning



Source: National University of Singapore

## Examples of Indicators for Sustainable Infrastructure

### ENVISION Rating System

- QUALITY OF LIFE**
- LEADERSHIP**
- RESOURCE ALLOCATION**
- NATURAL WORLD**
- CLIMATE AND RISK**

### SuRe Certification Approach

Figure 4 - Overview of SuRe® certification approach



## Challenges

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- Investors need to make a case based on economic ROI: Investment often based on short-sighted considerations
- How to measure sustainability and sustainable benefits: Can be hard to quantify and monetize (“avoided costs”)
- Resource-constrained governments need to prioritize investment



## An Integrated Approach to Sustainable Infrastructure Investment

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- **System-based solution**  
Integrated urban planning and management
- **Better Measurement**  
Tools/indicators
- **Enhancing project preparation and innovative green financing**



Measuring Sustainability



International Partnerships



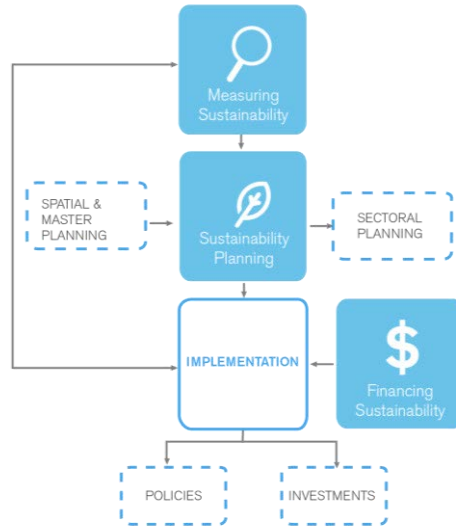
Sustainability Planning



Sustainability Financing

## Global Platform for Sustainable Cities

- Integrating:
  - Indicators/tools
  - Planning
  - Financing
  - Implementation



### Participating Cities

Total GEF Program Financing: \$150m  
Total Co-Financing: \$1.5 bn

#### Mexico

GEF Funding: \$15m; Co-Financing: \$110m  
Xalapa  
La Paz  
Campeche

#### Brazil

GEF Funding: \$2.5m; Co-Financing: \$193m  
Recife  
Brasilia

#### Peru

GEF Funding: \$7.5m; Co-Financing: \$133m  
Lima

#### Paraguay

GEF Funding: \$8m; Co-Financing: \$240m  
Asuncion

#### India

GEF Funding: \$13m; Co-Financing: TBD  
Mysore  
Guntur  
Vijayawada  
Bhopal

#### Senegal

GEF Funding: \$3.6m; Co-Financing: \$91.3m  
Greater Dakar

#### Cote D'Ivoire

GEF Funding: \$6m; Co-Financing: \$21.3m  
Abidjan

#### South Africa

GEF Funding: \$3m; Co-Financing: \$119m  
Johannesburg

#### China

GEF Funding: \$36m; Co-Financing: \$411m  
Beijing  
Nanchang  
Shijiazhuang  
Tianjin  
Guangzhou  
Shenzhen  
Ningbo

#### Viet Nam

GEF Funding: \$3m; Co-Financing: \$175m  
Hue - Da Nang Corridor

#### Malaysia

GEF Funding: \$3m; Co-Financing: \$18m  
Melaka City

## FOR MORE INFORMATION

Xueman Wang, World Bank  
xwang5@worldbank.org

