An Integrated Approach to Urban Sustainable 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
“External” Consideration: Policy, Economic & Regulatory Environment

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Incorporating “Quality” consideration into Project Cycle

Policy and Regulation
• Government sets vision of city and policy framework

Pipeline Screening and Validation
• Use “quality” indicators for screening and making assessment

Project Development
• Incorporate “quality” consideration into project design and structure

Project Financing
• Consider the cost and return of investment
Integrated Approach to Urban Sustainable Planning

Source: National University of Singapore

Examples of Indicators for Sustainable Infrastructure

ENVISION Rating System

SuRe Certification Approach
**Challenges**

- 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**

- **System-based solution**
  Integrated urban planning and management

- **Better Measurement**
  Tools/indicators

- **Enhancing project preparation and innovative green financing**
Global Platform for Sustainable Cities

- Integrating:
  - Indicators/tools
  - Planning
  - Financing
  - Implementation
FOR MORE INFORMATION

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