

# Session 5 - Comparative Study Overall Structure



iGDP

innovative Green Development Program

# Comparative Study Goals

- Facilitate knowledge sharing, capacity building, and networking among experts and agencies from different cities.
- At the municipal level, the peer review will provide host cities with expert advice and suggestions on better LCC planning and policies
- Map out low-carbon challenges facing each country
- Examine and compare how cities develop its low-carbon practical experiences and lessons on policy and practices in terms of their local conditions
- Develop a comparative analysis on key low-carbon practices that are in common and ones that are different in cities of this region
- Identify sector-specific and city-specific good practices from cities of this region

# Study General Outline

**Section 1 - Background:** Global, sub-regional and national low-carbon situations and trends.

These were the country studies

**Section 2 - Analysis and comparison** of LCC development across cities in Northeast Asia by drawing on the same analytical framework.

*Questions remain*

**Section 3 - Good practices** of different sectors across cities with mini-case studies.

In country studies - *Questions remain*

**Section 4 - Conclusions and recommendations** for LCC approaches and policy tools.

*Questions remain*



# Section 3. Analysis and comparison of low-carbon policies and actions

**Areas in common: promote experience sharing and learning from each other**

Identify low-carbon policies and actions that are in common in cities of this region.

Track and compare cities' low-carbon **PROGRESS** in these policies and actions.

**Areas of differences:**

Identify city-specific low-carbon policies and actions in cities of this region.

Examine how cities design and implement their low-carbon development based on local characteristics.

# What comparative framework are we using?

## Policy level - 3 levels

1. Nationally-driven policy, that coming from national governments; (top-down)
2. Locally-driven policy, that coming from local governments, such as cities, themselves; (bottom-up)
3. Broader ecosystem of organizations and networks that are supporting low carbon city development (do we want to include this?)

## Policy types – 3 types

1. Voluntary tools
2. Market-economic tools
3. Command-and-control tools

# Low carbon city progress

“Track and compare cities’ *low-carbon progress* in these policies and actions”

- How do we define progress?
  - We have described low carbon city policy, but we have not assessed its progress
- What tools do different countries use to track progress?
  - Government evaluations
  - Outside evaluations
  - outcome vs. output orientation
- China as an example – Climate Strategy Department 2016 evaluation, 2017 internal report, Policy Mapping, LOGIC

# Conclusion and Recommendations

- Overall LCC development trends and policy tools
  - Factual, we have this info
- Key challenges and lessons learned
  - Teams to follow up
  - Challenges can also be compared, and will help us provide recommendations
    - E.g. China Climate Strategy Center moved from NDRC to MEE, low transparency, 2016 evaluation, will there be another evaluation?
- Recommendations for sub-regional actions and opportunities (focus on this)

# Recommendations for sub-regional actions and opportunities

- **City level: Map best practices onto city needs**
- **Institutional level: Identify challenges in low-carbon city policy development in respective countries and map onto best institutional practices**
  - Challenging because of different institutional settings
- **Contribute to IPCC Cities report and better integrate NEA into global effort**
  - Show leadership in global effort, given that NEA urbanization and emissions are growing, esp. in China





# Low-Carbon Cities

# Challenges Faced by Cities

Lack of  
Cost  
Benefit  
Analysis

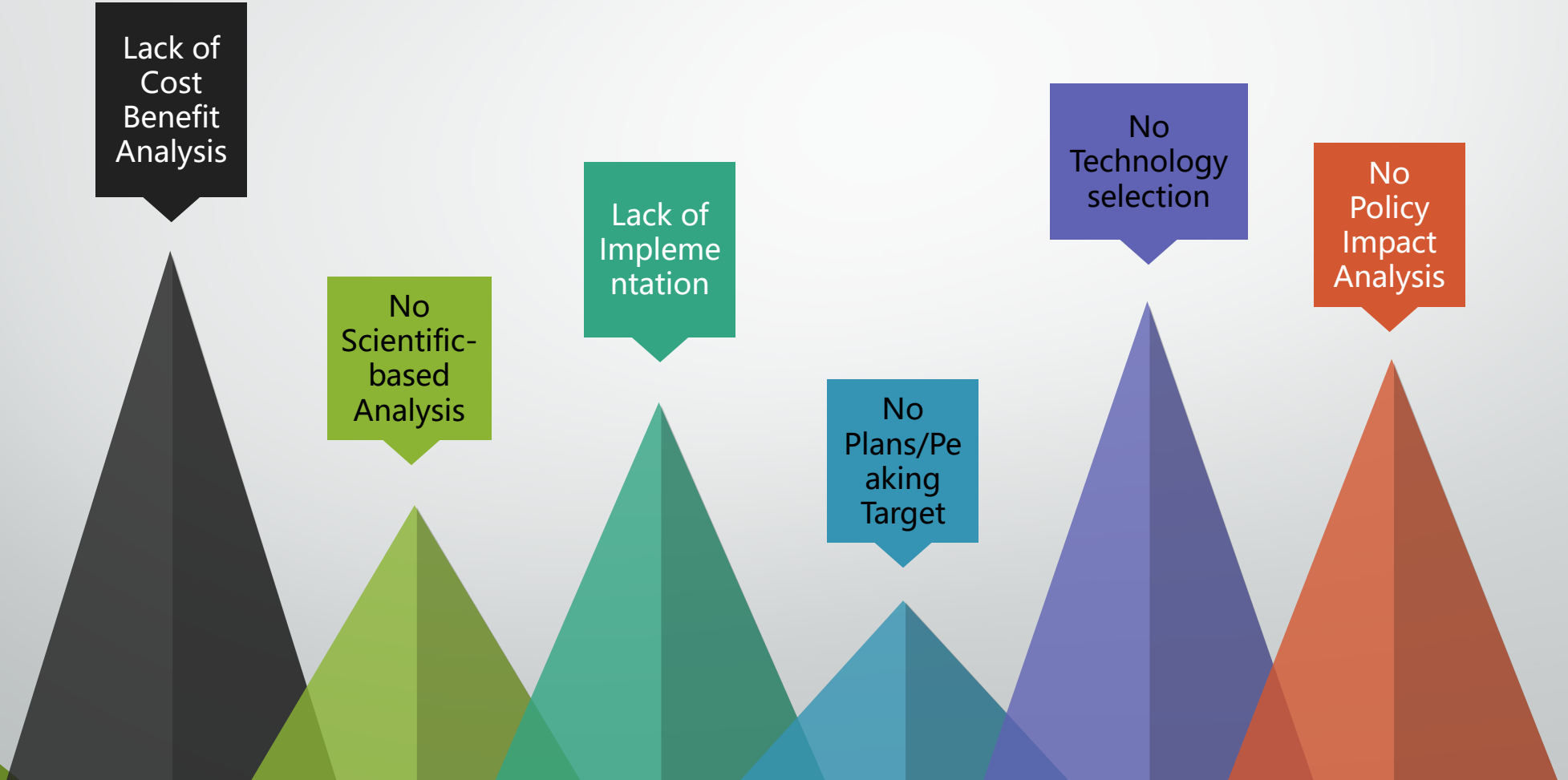
No  
Scientific-  
based  
Analysis

Lack of  
Impleme  
ntation

No  
Plans/Pe  
aking  
Target

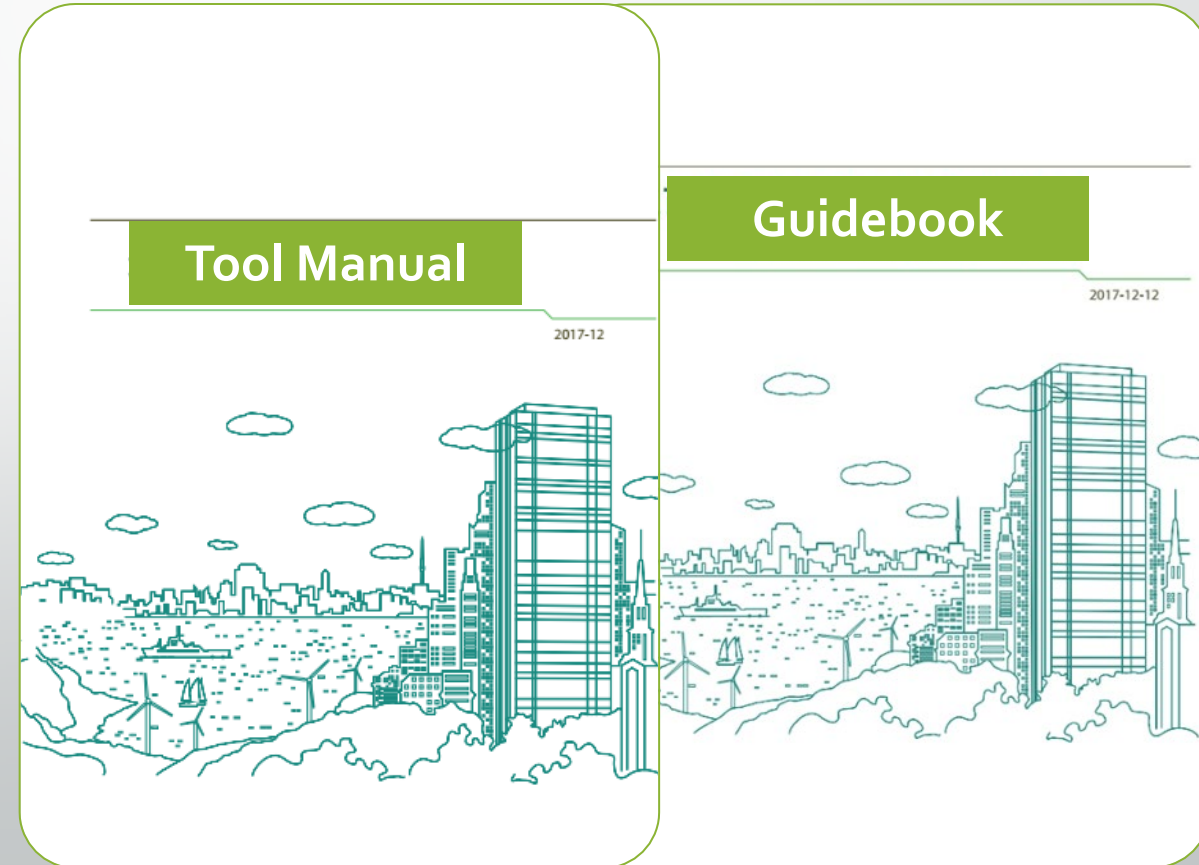
No  
Technology  
selection

No  
Policy  
Impact  
Analysis



# Low-Carbon City Development: A Guidebook for Strategic Planning and Actions

- Background
- General Principles
- Stages, Procedures and Tools for Low-Carbon Planning
- Planning Template and contents requirements
- Appendix (Tool Manual)





- Set up proposal
- Form a team
- Preliminary consultation
- Information collection

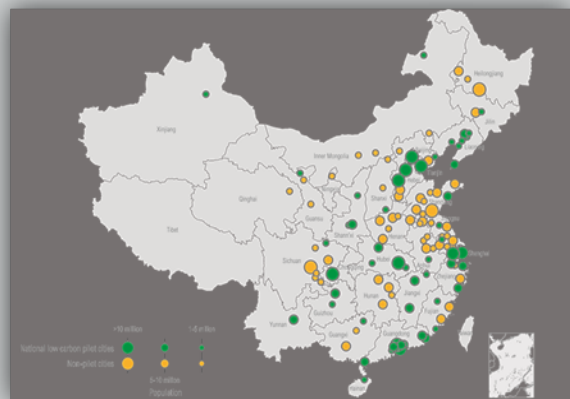
Preliminary Setting Up

Evaluation and Upgrade

Plan Drafting

- Establish evaluation system
- Establish annual-based evaluation mechanism
- Update GHG inventories

LOGIC Index Tool



Assess Current Situation

- Energy Balance Sheet
- GHG Inventory
- Benchmarking
- Case Studies
- Peer Comparison

Target Setting and Allocation

- Model: CGE, LEAP, AIM, STOCK, KAYA, TIMES, LDMI, STRIPA

Identify and Select Policies and Technologies

- Marginal Cost Analysis
- Cost Curve Analysis
- The analytic hierarchy process (AHP)
- Roadmap Drafting
- Policy Mapping

Complementary Measures

- Models
- Case Studies
- Benchmarking
- Gap Analysis

Plan Drafting

- Template
- Supporting Documents
- Models

Tool Manual

2017-12

