National Report: China's Low-carbon Development

innovative Green Development Program (iGDP)

Incheon, Korea | April 12, 2019



Highlights of National Report

Low-carbon development strategies at the national and subnational levels

- The interaction between national and subnational low-carbon development
- Challenges and prospects

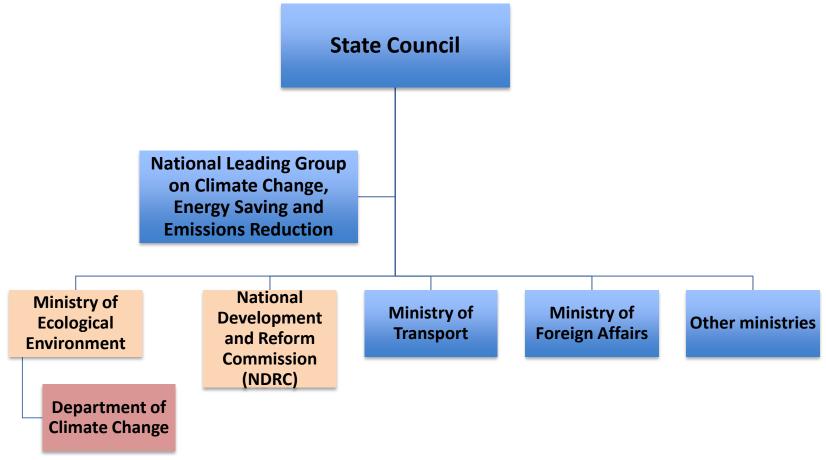


Low-carbon Development Strategies

- Government structure
 - Key government agencies
 - Roles and responsibilities
- Low-carbon policy progress
 - Targets/pledges
 - Sector-specific policies
 - Low-carbon pilot program

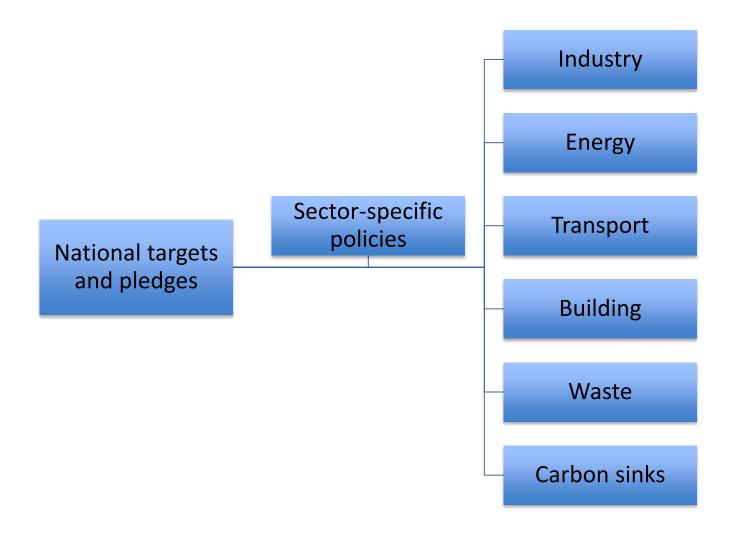


Government Structure at The National Level





National Low-carbon Policy Development





Government Structure at The Subnational Level

Leading body

Leading Group for the Municipal Low carbon City pilot Headed by Municipal Mayor;

Consisted of heads from relevant governmental agencies;

Responsible for guiding the design and implementation of low carbon development plan, as well as coordinating and solving some important issues

Office for Leading body

Municipal Development and Reform Commission Headed by Municipal DRC Director;

Responsible for routine work of leading body, such as regulatory institution and mechanism, monitoring and evaluation of carbon emission reduction, International cooperation and communication, etc.

Coordinating mechanism

Inter-agency joint conference

Coordinating the low carbon development work and related policy research and decision-making

Key participating agencies Municipal Development and Reform Commission

Low carbon planning, policies and actions on Economic Structure Changes

Municipal Bureau of Energy

Low carbon planning, policies and actions on Energy

Municipal Commission of Urban-Rural Development

Low carbon planning, policies and actions on Buildings and Urban Construction

Municipal Commission of Economy and Informatization

Low carbon planning, policies and actions on Industry

Municipal Commission of Transport

Low carbon planning, policies and actions on Transportation

Municipal Bureau of Environmental Protection

Low carbon planning, policies and actions on Eco-environment

Municipal Commission of Urban Management

Low carbon planning, policies and actions on Waste Treatment and Disposal

Municipal Bureau of Statistics

GHG emissions statistical data



Overview: China's Low-carbon Pilot Cities

Decoupling economic growth from CO2 emissions

Developing low-carbon patterns with the city's features (economy, energy and environment)



- Low-carbon targets
- Institutional capacity
- Energy & Power/Manufacturing/ Transportation/Buildings
- Urban planning
- Waste management
- Carbon sinks

Target

Supporting Action

Knowledge Sharing and Scale-up



Scope



Institutional framework

Planning & policies

- Technology innovation R&D
- GHG emission database and management systems
- lifestyles changes





6 provinces

81 cities

55% population

72% GDP

29% Land area



3 batches 87 pilots



Low-carbon policies at The Subnational Level



Carbon emissions management platform Above 17 pilots



Carbon Intensity Target Disaggregation



Carbon Peaking Target

37 pilots



Special Funds for Low-Carbon Development



Carbon Emissions Evaluation and Review of Projects Investing in Fixed Assets



Certification and Label on Lowcarbon Products

14 pilots



Legislation on Lowcarbon

Shijiazhuang, Nanchang



Carbon Generalized System of Preferences (GSP)

Beijing, Zhenjiang, Wuhan

Shenzhen, Wuhan, Guangdong, Hangzhou

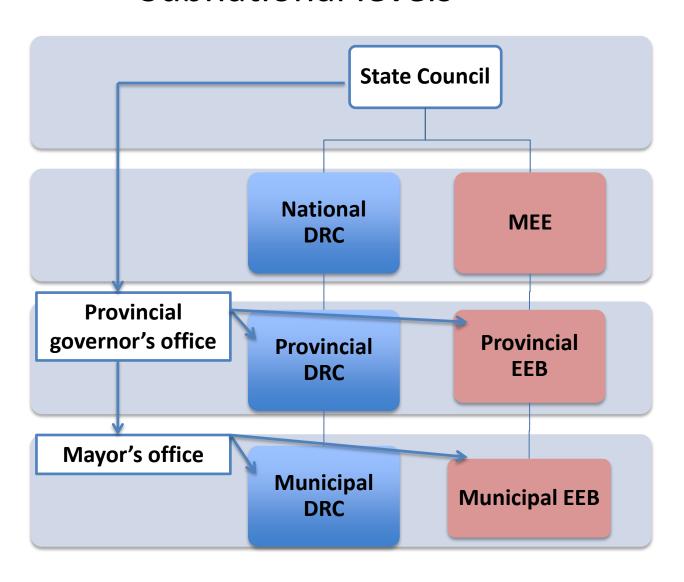


Near zero carbon emissions

Shenzhen, Wuhan, Guangzhou, Ningbo



The Interaction between the National and Subnational levels



The Interaction between The National and Subnational levels

A strong top-down approach:

- Target responsibility system
 - Target assignments and cadre evaluation system
- Market-based mechanism
 - Carbon trading system
 - Green finance
- Information mechanism
 - GHG inventory
 - MRV system for key emissions emitters



The Interaction between The National and Subnational levels

But a bottom-up approach is also developing:

- Explore local low-carbon practices
 - Post-industrial cities
 - Transitional cities
 - Industrializing cities
- Build city networks for low-carbon development
 - APPC (Alliance of Peaking Pioneer Cities)



Challenges and Prospects

Nationally:

- Institutional restructuring
- Economic slowdown
- Entrenchment of fossil fuels for primary energy



Challenges and Prospects

Locally:

- Political willingness
- Policy integration
- Financing of low-carbon projects
- Consumer behavior



Thank You for Your Attention! We welcome your suggestions and comments.

