

# 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

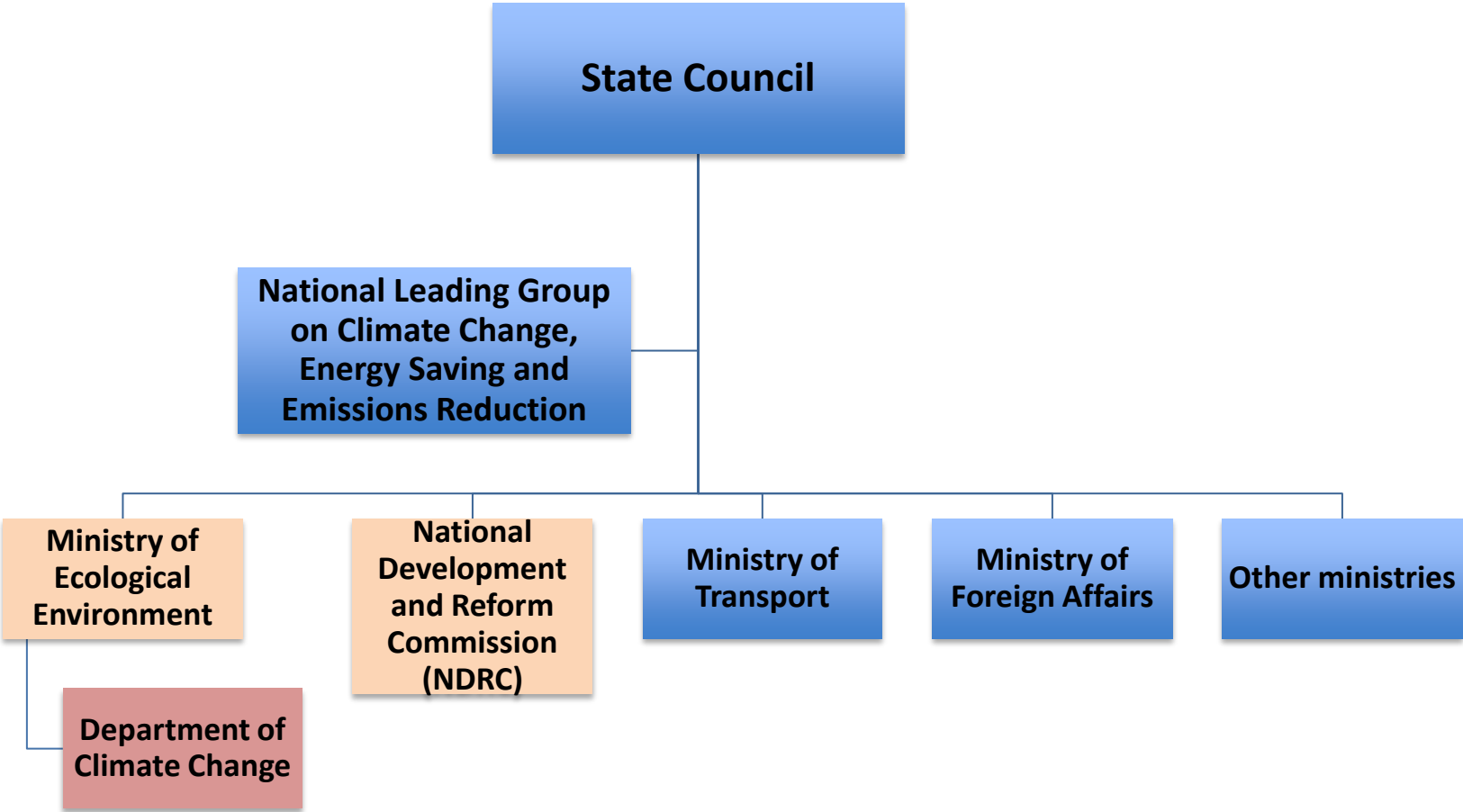


# Low-carbon Development Strategies

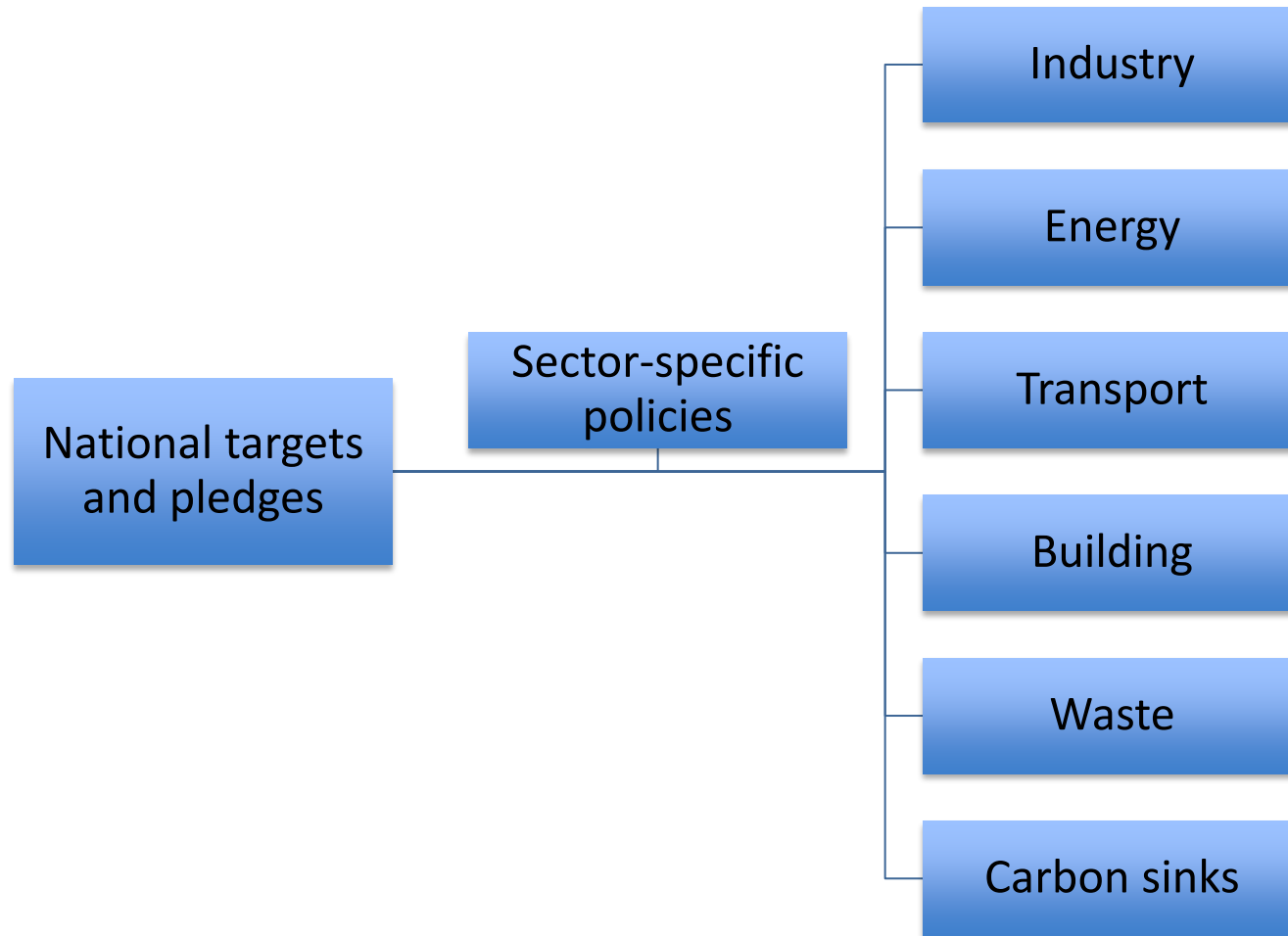
- Government structure
  - Key government agencies
  - Roles and responsibilities
- Low-carbon policy progress
  - Targets/pledges
  - Sector-specific policies
  - Low-carbon pilot program



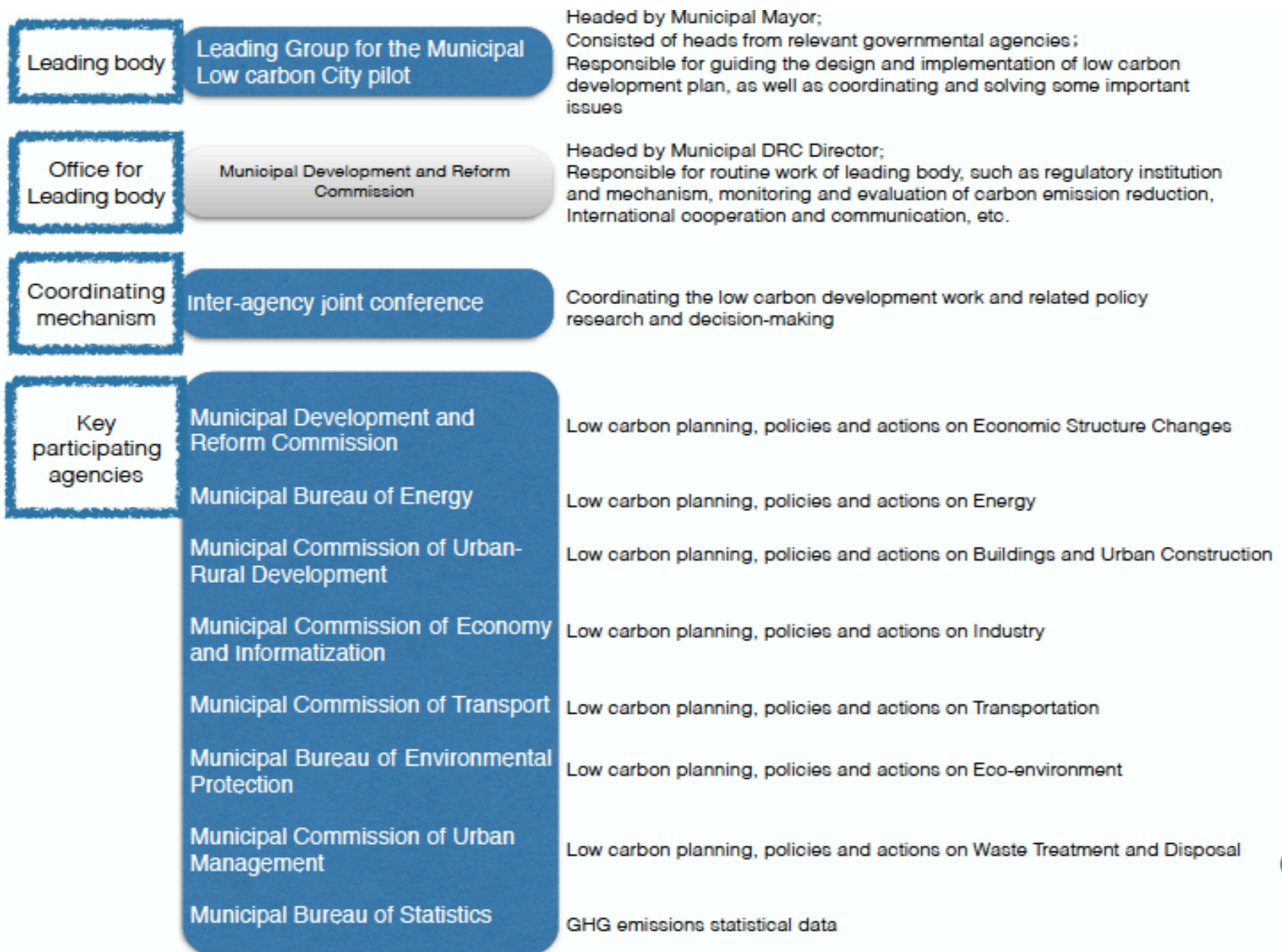
# Government Structure at The National Level



# National Low-carbon Policy Development



# Government Structure at The Subnational Level



# 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)

**Economic-wide and sectors**

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

**Target**

**Scope**

**Supporting Action**

**Knowledge Sharing and Scale-up**

- Institutional framework
- Planning & policies
- Technology innovation R&D
- GHG emission database and management systems
- lifestyles changes

**Facilitating the low-carbon Transitions**

**2017:**  
6 provinces  
81 cities  
55% population  
72% GDP  
29% Land area

**3 batches  
87 pilots**



**iGDP**

# Low-carbon policies at The Subnational Level



Carbon emissions management platform

Above 17 pilots



Carbon Intensity Target Disaggregation

29 pilots



Carbon Peaking Target

37 pilots



Special Funds for Low-Carbon Development

29 pilots



Carbon Emissions Evaluation and Review of Projects Investing in Fixed Assets

Beijing, Zhenjiang, Wuhan



Certification and Label on Low-carbon Products

14 pilots



Legislation on Low-carbon

Shijiazhuang, Nanchang



Carbon Generalized System of Preferences (GSP)

Shenzhen, Wuhan, Guangdong, Hangzhou



Near zero carbon emissions

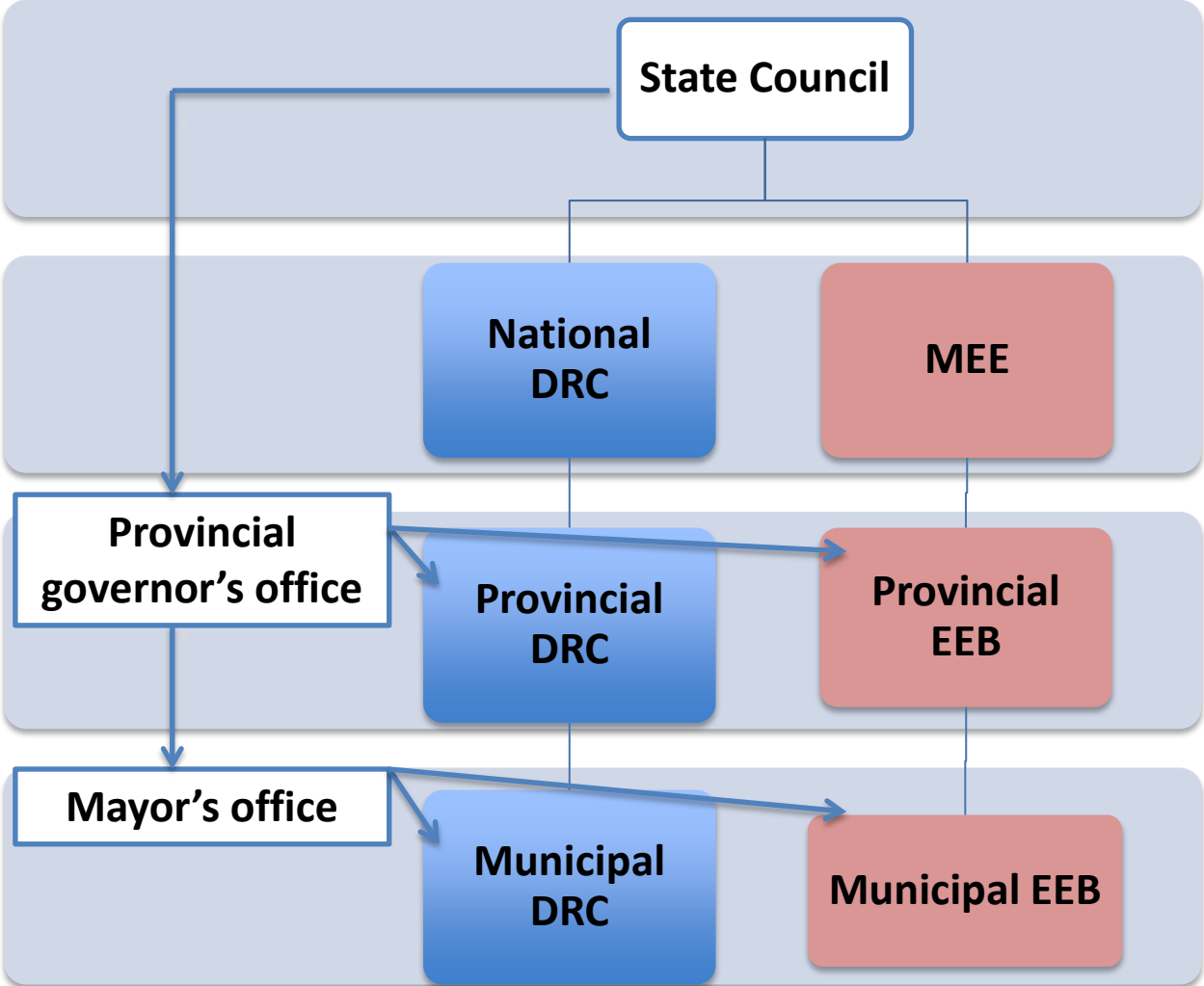
Shenzhen, Wuhan, Guangzhou, Ningbo



iGDP



# 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.

