

# China 2013-17 Air War

2025/01/01



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01

**Plan Launch**

# State Council Unveils APPCAP 2013

In September 2013, a historic first quantitative nationwide clean-air decree was released, binding all 31 provinces to strict targets.

**10%**

**PM10 Reduction  
Nationwide**

**25%**

**PM2.5 Reduction in Jing-Jin-Ji**

**5 Years**

**Timeline for Action**

This signaled a paradigm shift from **GDP-first** to **health-first** governance.

# Ten Hard Quantitative Mandates



**25% PM2.5 drop** in  
Beijing-Tianjin-Hebei



**20% PM2.5 drop** in Yangtze  
Delta



**15% PM2.5 drop** in Pearl  
Delta



**10% PM10 fall**  
nationwide



**20% SO<sub>2</sub> & NO<sub>x</sub> cut**



**Zero new coal** in key  
regions



**350 µg/m<sup>3</sup> daily PM2.5**  
ceiling



**80% good-air days** in  
megacities



**30% coal-share**  
reduction



**Full Phase-V fuel adoption**  
nationwide

These measures created an unprecedented framework of **measurable accountability**.









02

**Key Weapons**



# Coal Cap & Clean Fuel Switch

For the first time, a national coal-consumption ceiling was imposed, mandating a massive shift to cleaner energy sources.

-  **47,000** small coal furnaces demolished
-  **8.5 GW** outdated coal units retired
-  **350 Mt** outdated steel capacity closed
-  Mandated **0.5% sulfur fuel** & National V gasoline



# Vehicle Emission Blitz

A multi-pronged approach to tackle pollution from the transportation sector.

**5M**

High-emitting vehicles  
scrapped



**300K**

New-energy buses  
promoted



**20**

Cities with driving  
restrictions



NO<sub>x</sub> cut by 12%

PM cut by 15%





03

**Finance & Enforcement**



# 100 Billion Dollar Funding Mix

A massive financial and institutional commitment to ensure plan success.



**USD 100 billion funding via central & local budgets, subsidies, and green bonds.**



**Provinces signed accountability contracts with ministries, linking performance to career advancement.**



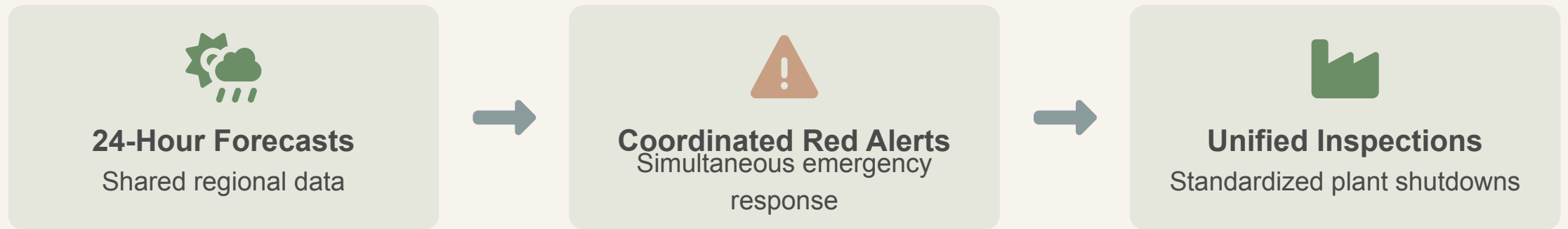
**2,000 automatic monitoring stations provided real-time, public data, ensuring transparency.**





# Regional Joint Enforcement

For the first time, cross-province enforcement teams were established, sharing data and coordinating actions to tackle regional air pollution holistically.



This created a template for future **basin-wide eco-governance**.



04

**Results & Legacy**



# Target Achievement 2017: Mission Accomplished

National PM10

**22%**

**Reduction**

Beijing PM2.5

**35%**

**Reduction (to 58  $\mu\text{g}/\text{m}^3$ )**

Blue-sky days

**288**

**Average (up from 248)**

SO<sub>2</sub> Reduction

**18%**

**Achieved**

NO<sub>x</sub> Reduction

**14%**

**Achieved**

GDP Growth

**7%**

**Annual Average**

Proving that environmental and economic progress can go hand-in-hand.



# A Global Policy Blueprint

The success of the 2013-17 APPCAP created a model for the world, demonstrating the power of quantitative targets, data transparency, and regional accountability.



Inspired **India's NCAP** and **Indonesia's blue-sky roadmap**.



Pioneered quantitative **5-year air targets** and **big-data transparency**.



Shifted China from top emitter to a leader in **solar & EV markets**.



Laid the foundation for China's subsequent **carbon-neutrality pledge**.



# THANK YOU



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