

China 2013-17 Air War



2025/01/01

CONTENTS

- 01 Plan Launch
- 02 Key Weapons
- 03 Finance & Enforcement
- 04 Results & Legacy





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% SO₂ & NO_x cut



**Zero new coal in key
regions**



**350 µg/m³ 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- 👉 8.5 GW outdated coal units retired
- 👉 350 Mt outdated steel capacity closed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_x 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.

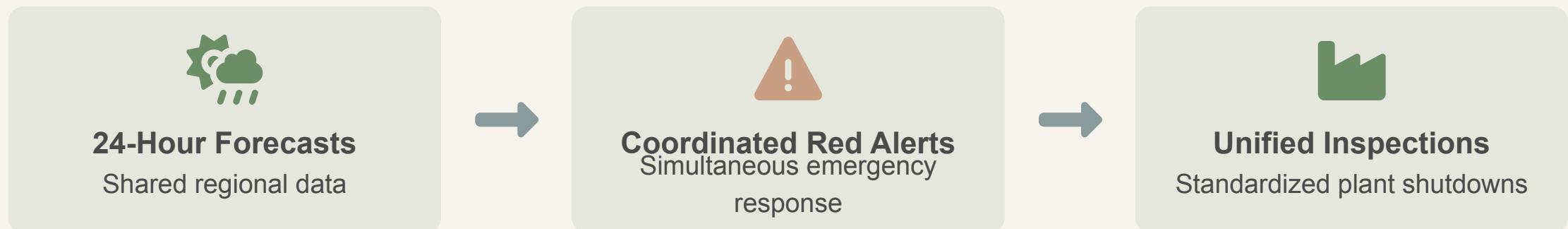


2,000 automatic monitoring stations provided real-time, public data, ensuring transparency.



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)

SO₂ Reduction

18%

Achieved

NO_x 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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