



# Implementing a Co-control Approach in China

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# Institutional Reform

- ✓ On 17 March 2018, " the Decision of the Institutional Reform of the State Council and the Transformation Plan" showed the formation of the Ministry of Ecology and Environment(MEE).



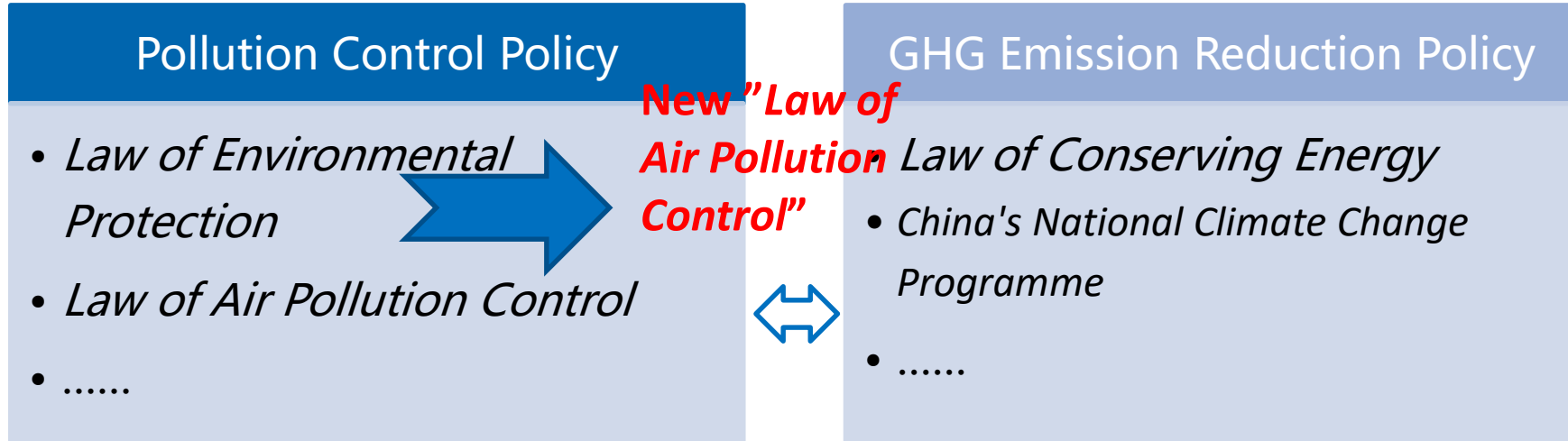
Department of Climate Change

**MEE**

National Center for Climate Change Strategy and International Cooperation



# Policy-Making



- ✓ In 2016, *Law of Prevention and Control of Atmospheric Pollution* required co-control.
- ✓ In Sep. 2017, MEP issued *Technical guidelines for accounting for co-control of greenhouse gases for pollutant removal from pollution treatment facilities of industrial enterprises*.

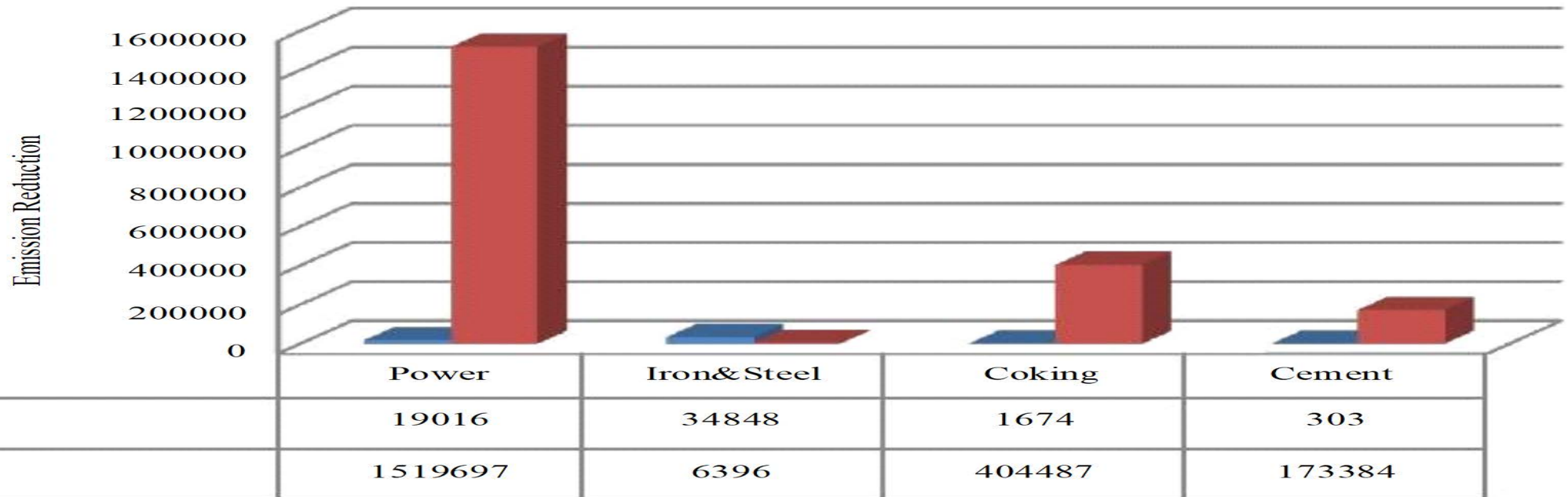
Article II. Co-control is implemented on the air pollutants and GHG such as PM, SO<sub>2</sub>, NO<sub>x</sub>, VOC and Ammonia, etc.



# City Cases

During 2005-2010, Panzhihua City Reduced 55841 ton SO<sub>2</sub> by implementing total emission reduction measures, and reducing CO<sub>2</sub> 2,103,964 ton, **with the co-benefits coefficient 37.7.**

协同效应系数  
=CO<sub>2</sub>减排量  
/SO<sub>2</sub>减排量

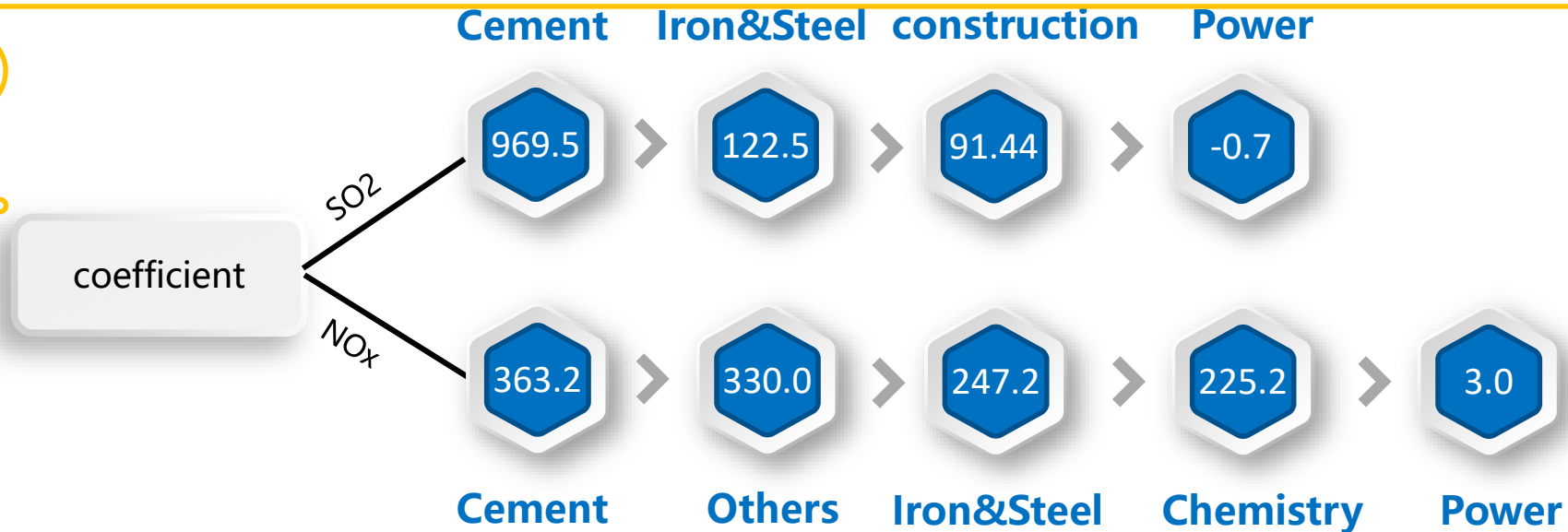




# City Cases

During 2005-2010, Xiang Tan City Reduced 59017 ton SO<sub>2</sub> by implementing total emission reduction measures, and reducing CO<sub>2</sub> 2,151,790 ton, **with the co-benefits coefficient 36.5.**

协同效应系数  
=CO<sub>2</sub>减排量  
/SO<sub>2</sub>减排量或  
NO<sub>x</sub>排放量





# City Cases

city	the most serious air pollution problems	sources	measures	Co-control	Inputs
Chengdu	PM <sub>2.5</sub> O <sub>3</sub>	cement industry and mobile source	<i>Chengdu Air Pollution Prevention and Control Action Plan (2014-2017), Chengdu Heavy Pollution Weather Emergency Plan, Coal-Free Zone</i>	Y	Increased
Shanghai	PM <sub>2.5</sub> O <sub>3</sub>	industrial production and motor vehicle		Y	Increased
Panjin	PM <sub>2.5</sub> O <sub>3</sub>	fossil fuel combustion and mobile sources		Y	Increased
Chongqing	PM <sub>2.5</sub> O <sub>3</sub>	electricity, steel, cement, building		Y	Increased



# Sector

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Printing sector

Dongli company and Dingjia company

Printing with water VS Waterless printing

Methodology

Monitoring

Calculation by materials balance





# Thanks!

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