



# Green is gold

Deputy Director of Publicity Division,  
Department of Publicity and Communications,  
Ministry of Environmental Protection, P.R. China

**Yue Ling**  
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# CONTENTS

**01**

**Main functions**

**02**

**Vision towards  
a sustainable society**

**03**

**Examples of fact**

**04**

**Experiences to share**



MINISTRY OF ENVIRONMENTAL PROTECTION  
THE PEOPLE'S REPUBLIC OF CHINA

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## Main functions:

**To improve environmental quality  
and build a beautiful China which enjoys  
blue sky, green land and clean water**



# MINISTRY OF ENVIRONMENTAL PROTECTION THE PEOPLE'S REPUBLIC OF CHINA



Weibo



WeChat

# Department of Education and Communications

## Main functions:

- Organizing, guiding and coordinating national environmental education and communications.
- Draw up the policies, programs and plans, administrative regulations, and outlines for environmental education and communications, and organize their implementation.
- Releasing major environmental news and coordinate the interviews and reports on major environmental news.



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# **Vision towards a sustainable society**

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◆ In 2009, China announced internationally

◆ 2005-2020

carbon dioxide emissions  
per unit of GDP



40% to 45%

the share of non-fossil fuels  
in primary energy



15%





◆ By **2014** the following has been achieved:

carbon dioxide emissions  
per unit of GDP



33.8%


the share of non-fossil fuels  
in primary energy



11.2%.







◆ 2016-2020

carbon intensity  18%

the share of non-fossil fuels  
in primary energy  15%



◆ 2016

carbon intensity



6.6%

surpassing  
the goal of  
3.9 %.

## Chinese President Xi Jinping said in his report at the opening session of the 19th CPC National Congress——

- ◆ By **2020**, prevent and control pollution.
- ◆ By **2035**, There is a fundamental improvement in the environment; the goal of building a Beautiful China is basically attained.
- ◆ By **the middle of the 21st century**, develop China into a great modern socialist country that is prosperous, strong, democratic, culturally advanced, harmonious, and beautiful. New heights are reached in every dimension of material, political, cultural and ethical, social, and ecological advancement.





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# **Examples of fact**

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# Background

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**The past five years** has been the best period for ecological civilization and environmental improvement with the most profound awareness, unprecedented efforts, and fastest and greatest progress.



# 1. we have never had a deeper understanding of ecological civilization.

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- ◆ The concept of green development.
- ◆ Fewer and fewer people neglect ecological environment.
- ◆ More and more localities : balanced economic development and environmental protection.
- ◆ more and more businesses take responsibility for environmental protection.
- ◆ Green consumption and the sharing economy
- ◆ Public interest in engaging in and contributing to environmental protection.

## 2. we have made unprecedented efforts to prevent and control pollution.

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War was declared !

- ◆ The supply-side reform : phase out backward capacity in steel and coal.
- ◆ Energy and resource efficiency improved.
- ◆ Energy mix improved.
- ◆ Environmental infrastructure.
- ◆ Wastewater treatment and waste disposal.



## 2. we have made unprecedented efforts to prevent and control pollution.

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- ◆ Coal-fired units upgraded: 570 million kilowatts
- ◆ Yellow-labeled vehicles : > 18 million
- ◆ Environmental improvement projects : 110,000 villages, 190 million villagers.
- ◆ Ecological systems have been functioning better.
- ◆ Over 40 specific reform plans for ecological civilization and environmental protection.





### 3. more systems and institutions have been established for environmental protection.

- ◆ Four batches of environmental inspectors  
**31** provinces (regions and municipalities)

about **10,000** people  
were held accountable  
for environmental damages.

四批中央环保督察情况								
试点 (2016年1月)								
河北								
第一批 (2016年7月12日—2016年8月19日)								
内蒙古	黑龙江	江苏	江西	河南	广西	云南	宁夏	
第二批 (2016年11月24日—2016年12月30日)								
北京	上海	湖北	广东	重庆	陕西	甘肃		
第三批 (2017年4月24日—2017年5月28日)								
天津	山西	辽宁	安徽	福建	湖南	贵州		
第四批 (2017年8月7日—2017年9月4日)								
吉林	浙江	山东	海南	四川	西藏	青海	新疆	

资料来源:据公开资料整理

### 3. more systems and institutions have been established for environmental protection.

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- ◆ Ecological **redlines**.
- ◆ **Compensation** system for ecological and environmental damages.
- ◆ Air quality monitoring stations taken back to the national level.
- ◆ Permit
- ◆ Environmental information disclosure
- ◆ Government + Business + Public



## 4. law enforcement supervision is more stringent than ever before.

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- ◆ A number of important laws have been promulgated and amended, including

Environmental Protection Law,

Law on Air Pollution Prevention and Control,

Law on Water Pollution Prevention and Control,

Law on Environmental Impact Assessment,

Law on Environmental Protection Tax,

Law on Nuclear Safety.

## 4. law enforcement supervision is more stringent than ever before.

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◆ 2015 :

**“the most stringent ever”**

Environmental Protection Law



## 4. law enforcement supervision is more stringent than ever before.

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- ◆ The Law on Soil Pollution Prevention and Control



## 4. law enforcement supervision is more stringent than ever before.

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- ◆ to seal up and seize polluting facilities and equipment
- ◆ to restrict or suspend a violator's production
- ◆ to impose a fine that is calculated based on each day of violation
- ◆ to transfer a violator to detention

**an important means and a powerful weapon**

## 4. law enforcement supervision is more stringent than ever before.

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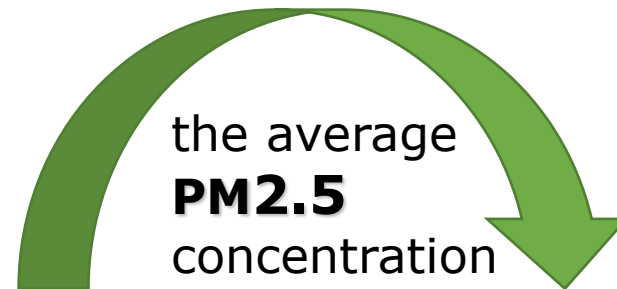
- ◆ Admonitory talks :  
**40** cities, prefectures and counties
- ◆ Environmental police force :  
**9** provinces and municipality

## 5. the environment has been improving at an unprecedented pace.

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### ◆ 2013-2016

Beijing-Tianjin-Hebei Region  
the Yangtze River Delta  
the Pearl River Delta



**30%**



## 5. the environment has been improving at an unprecedented pace.

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The ratio of acid rain areas to the total national land

30%



7.2%

The share of surface water sections under national monitoring program recorded with a quality of Grade I, II and III



67.8%

the share of those worse than Grade V



8.6%

## 5. the environment has been improving at an unprecedented pace.

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- ◆ From the beginning of the 21st century till now

Forest coverage rate    16.6%        22%

- ◆ **2,750** nature reserves  
covering **14.9%** of national land  
surpassing the global average.
- ◆ **>30** multilateral environmental conventions or protocols

## 5. the environment has been improving at an unprecedented pace.

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- ◆ **Green is Gold: The Strategy and Actions of China's Ecological Civilization**

- ◆ **“China firmly supports and actively implements the concept and actions of sustainable development at the global level.”**



—by UNEP

## 5. the environment has been improving at an unprecedented pace.

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### ◆ the arduousness

Resource consumption and the environment have exceeded or are approaching the carrying capacity.

New environmental problems occur before old ones are solved.

Ecological and environmental risks.

Heavy pollution days, black and odorous waterbodies, cities besieged by garbage and ecological damage.

## 5. the environment has been improving at an unprecedented pace.

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people's growing demand for a beautiful environment and sound ecology



the insufficient supply of good quality ecological products

## EXAMPLE: HEBEI PROVINCE

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- ◆ Strictly control the total amount of coal consumption
- ◆ Optimize the use of coal
- ◆ Reduce the intensity of fire coal emission

**2015: the share of coal consumption - 86.6%**

the national average - 63%

**the share of non fossil energy consumption - 3.05%**

the national average - 11.4%

**energy consumption per unit of GDP -**

higher than the national average **35%**

## EXAMPLE: HEBEI PROVINCE

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### **Total coal consumption –**

2015: 290 million tons → 2020: 260 million tons

### **Disperse coal –**

2015: 40 million tons → 2020: 10 million tons

**Energy consumption per unit of GDP – decrease 19%**

### **Share of non fossil energy consumption –**

2015: 3.05% → 2020: 7%

## EXAMPLE: BEIJING

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### Total coal consumption –

2013: 23 million tons



2016: 9 million tons



## EXAMPLE: BEIJING

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**the average PM<sub>2.5</sub> concentration–**



2013: 89.5  $\mu\text{g}/\text{m}^3$

2014: 85.9  $\mu\text{g}/\text{m}^3$

2015: 81  $\mu\text{g}/\text{m}^3$

2016: 73  $\mu\text{g}/\text{m}^3$

January to November 2017 : 58  $\mu\text{g}/\text{m}^3$



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# **Experiences to share**

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# STRATEGIC IDEA

◆ **Green is gold.**

◆ **Ecological civilization is a strategy crucial for the sustained development of the Chinese nation over the next millennium.**

◆ **A sound ecological environment is the most inclusive well-being.**

# STRATEGIC IDEA

◆ **Mountains, rivers, forests, farmland, lakes and grassland form a community of shared life.**

◆ **We should respect, adapt to and protect nature.**

◆ **Ecological environment needs to be protected under the strictest institutions and legal system.**

◆ **Stakeholders should join hands to promote ecological civilization worldwide.**



**China :**

**important participant  
Contributor  
Torchbearer**

——Xi Jinping , 19th CPC National Congress



**THANKS**