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Pilot SO2 Emission Trading In China

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- Background
- Emission Trading
- Pilot SO2 Emission Trading
- Experiences

Reference:

www.google.com www.cet.net.cn <502 Emission Trading in China>

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■ Background

- ➤ Serious 502 pollution tens of million tons 502 per year 70% south cities and 30% nation land
- ➤ Prevention and Control

 Technologies

 Policies

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Background

1982, emission fee

1992, emission fee increased.

1996, total emission control

1998, two control zones

2000, Air Pollution Prevention and Control Law

2003, Regulation on Emission Fee Levy and Application

Problem: high cost; cross area pollution; low efficiency of monitor...



■ Emission Trading

- > Concept
- > Basic Characteristics

Definition of responsibilities of authority and stakeholders

Permit definition and distribution plan;

Trading modalities and procedures;

Completed, consistent and accurate measure;

Transparent emission report;

Effective registration and monitor system;

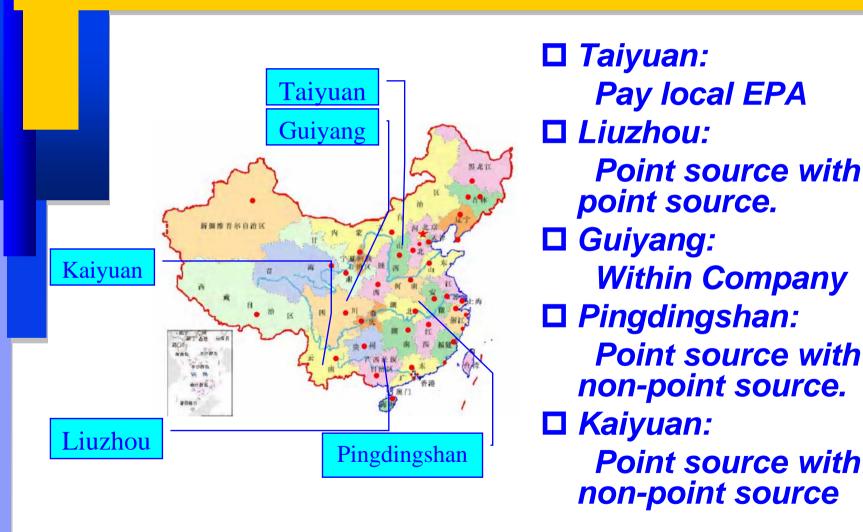
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Pilot SO2 Emission Trading (national)

- > SEPA1991-1994 Pilot Air Pollutant Emission Permit (16 cities, 987 companies, 6646 sources)
- > SEPA1994

 Trail Program on Urban Air Emission Trading
 (CRAES, 6 cities, Project based case studies)

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Kaiyuan:

1993, Temporary Administrative Decree of Air Pollutant Emission Permit in Kaiyuan City
1996, Administrative Decree of Air Emission
Trading

Key Point: prevention rule in determine amount; equal amount trade (<50t-502/year) emission trading coeffeicent



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> Taiyuan:

CMM utilization as an environmental offsetting project of a gangue power plant to get construction investment;

1998 Taiyuan Air Pollutant Total Emission Control Regulation



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Tianjin:

1997-1998, New build 2 power plant pay 24 million Yuan to local EPA for improvement of local environment.



- Pilot SO2 Emission Trading (cooperation)
- ➤ 2001-2003, Promoting Policies of SO2 Total Emission Control and Emission Trading in China (SEPA and US EDF)

Power industry
131 cities, 727 companies, >10% total emission
Emission quotas allocated from 2001.7 to 2003.5.



Capacity building: SO2 ET Survey; www.cet.net.cn; TEC Regulations; training

2002 Proclamation of Implementing SO2 Emission Trading Pilot in Liuzhou City

2003 < Administrative Decree of Emission Trading of Main Pollutants in Hangzhou City>

2003 *Administrative Decree of SO2 Emission Trading* in Jiangsu Province

2004 Administrative Decree of SO2 Emission Trading in SO2 Control Zones in Henan Province

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Buyer	Seller	Location	Price	Amount
Acetate Fibre	TSG Power	Jiangsu	0.25	1800
TC Power	XG Power	Jiangsu ©	1.00	5100000
Prince Paper	Acetate Fibre	Jiangsu	1.00	1200
DG Power	Chemical	Tianjin	0.40	1000
Liuzhou Chemical	Liuzhou Wood	Liuzhou	0.40	200
YM Coal Gas	ZY Gold	Henan	0.60	900
2 nd Power	1 st Power			2130
DS Power	Heavy Mech.	Shanxi	0.53	200
2 nd Power	XinX Equip.	Shanxi	2.00	2500
DY Co.	HJ Chemical	Shandong	1.20	90
Changzhou Power	Jianbi Power	SP, Jiangsu	-	14000

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Pilot SO2 Emission Trading

- > ADB Pilot Project: SO2 emission Trading 2001.9, US\$700 thousand, first in Shanxi
- Experiences
- > Speed up law making progress
- > High emission source like Power Plant
- > Real practice prefer Yangzi Triangle
- > Other(grandfather, financial sources, CB)

Thank you, Communication is welcomed!