

# Experiences on Environmental Pollutant Improvement in Japan and China cooperation

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## JETA History

1979 : Japan Environmental Technology Association was established

1989 : A permit was granted by the Environment Agency to found a public corporation

1st April, 2011: A permit was granted by the Public Interest Corporation Commission (PICC) to shift to a Public-Service Corporation (PSC)

## JETA Activity

- Propose Monitoring method for Waste Water and Gas regulation
- Maintenance training for environmental measuring technology
- Approval test for engineer of Ambient Monitoring System
- Proposal Japanese Monitoring Technology to Asian Country



## JETA Members Companies

1. Environmental Monitoring Maker: 11



2. Environmental Monitoring Maintenance Companies : 22

# Environmental Pollutant Improvement in Japan and China

	Japan	China
History	1961~: Yokkaichi Asthma 	2011~: PM2.5 
Improvement Key	Self-management by each Factory	Strengthening environmental management by government
	1968 Environmental Protection Regulation 1969~ SOx、CO 1972~ Dust 1973~ NOx, O3 2006~ VOC	2006- : Tightening environmental Regulations 2016- : Strict environmental regulations by each ministry
COVID-19	Self-management	Government Lead

# China-Japan Environmental Cooperation



**Local Government Cooperation**  
 • VOC • Monitoring • Auto mobile

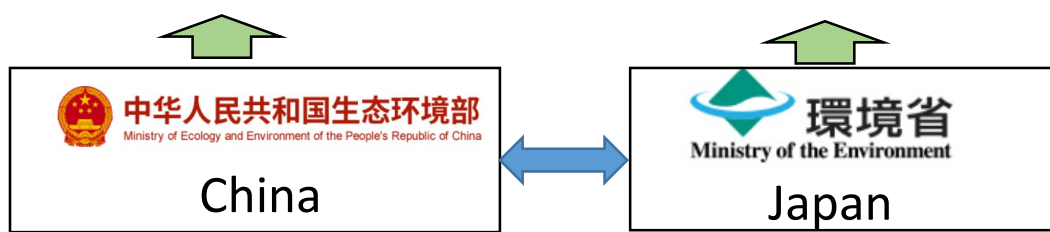
**Central Government Cooperation**  
 • Power Plant • VOC • Monitoring Standard

• Technical Seminar  
 • Proposal monitoring measurement method based on Japanese experience



**Technical Cooperation Plat Form**  
 China: The Sino-Japan Friendship Center for Environmental Protection  
**Japan: IGES**

**IGES and JETA had Environmental Corporation with Chinese Government**



2019年9月3日~4日



2018年7月19日



2018年6月10日



# Chinese Environmental Regulation History

	2006-2010	2011-2015	2016-2020	2021-2025
5 years Plan	11 <sup>th</sup>	12 <sup>th</sup>	13 <sup>th</sup>	14 <sup>th</sup>
Combustion Regulation	De-SOX →	De-NOx →	For Coal Power Plant (Dust:10mg/m <sup>3</sup> , SO <sub>2</sub> :35mg/m <sup>3</sup> , NOx:50mg/m <sup>3</sup> )	For Steel , Petro Chemical , Incinerator
Automobile Regulation (Brackets denote fuel sulfur content)	China 2 (500ppm)	China3 (150ppm)	China 4 (50ppm) China 5 (10ppm)	China 6 (10ppm)
Other			VOC Regulation	

The Majority of Electrical Production is Coal-fired Power Plant.



# Chinese Environmental Regulation Business



20 years Ago

NOW

Environmental TAX: NO<sub>x</sub>, SO<sub>2</sub>, Dust

Environmental TAX: NO<sub>x</sub>, SO<sub>2</sub>, Dust, **VOC**

CEMS  
(Continuous Emission  
Monitoring System)

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Power Plant & Factory  
used **low price** and  
not high quality analyzer.

Local Government  
recommends to use  
evaluated monitor

Strict evaluation  
And approval test

Not good data  
Maintenance trouble

Not correct Environmental TAX

Correct Environmental TAX by high quality monitoring system

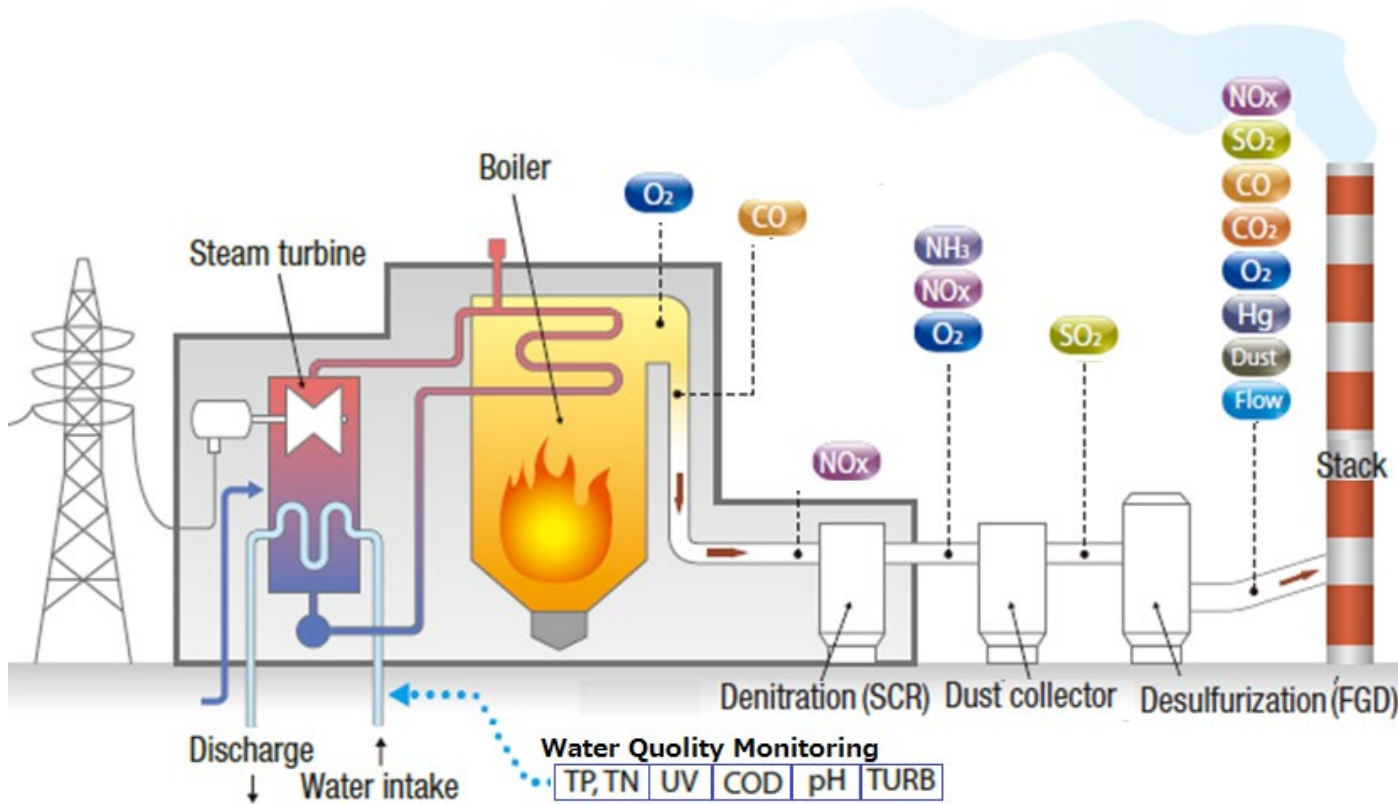
Air Pollution Problem

Claim to Government

Air Pollution Problem improvement



# Stack Gas monitoring system



Japan	SOx	NOx	Dust
Isogo (new)	10ppm	13ppm	5mg/m <sup>3</sup> N

China	SOx	NOx	Dust
Regulation (Coal Power Plant)	35mg/m <sup>3</sup>	50mg/m <sup>3</sup>	10mg/m <sup>3</sup>
	13.1 ppm	26ppm	

# Japan Environmental Technology Association (JETA)

Thank you very much