



S20 High Level Policy Webinar

APPLYING SCIENCE AND TECHNOLOGY FOR CLIMATE
AIR AND CLIMATE CO-BENEFITS

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Ministry of the Environment

JAPAN

< Session 1 >

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Environmental Laws in Japan

1960~ Pollution-related diseases were expanded in the period of rapid economic growth



1970 “Pollution Diet”: Drastic improvement of law implementations related pollutions



Air pollution	Air Pollution Control Act	1968
Water Pollution	Water Pollution Prevention Act	1970
Noise	Noise Regulation Act	1968
Vibration	Vibration Regulation Act	1976
Offensive Odor	Offensive Odor Control Law	1971
Ground subsidence	Industrial Water Act	1956
Soil Contamination	Soil Contamination Countermeasures Act	2012



Air Pollution Control Act

Position

Enacted under the Basic Environment Act, for the purpose of preventing health damage caused by air pollution and protecting life environments

Overview

Defines specific regulations to achieve the environmental standards relating to air pollution set in the Basic Environment Act

Major contents

Control subjects

Soot and smoke, volatile organic compounds (VOCs), particulates, hazardous air pollutants, automobile exhaust

Monitoring of air pollution

- Assign prefectures, etc. as implementation bodies
- Define purposes and methodologies of continuous monitoring

Compensation for damages

Adopt strict liability of the civil law



Automobile NO_x and PM Reduction Law

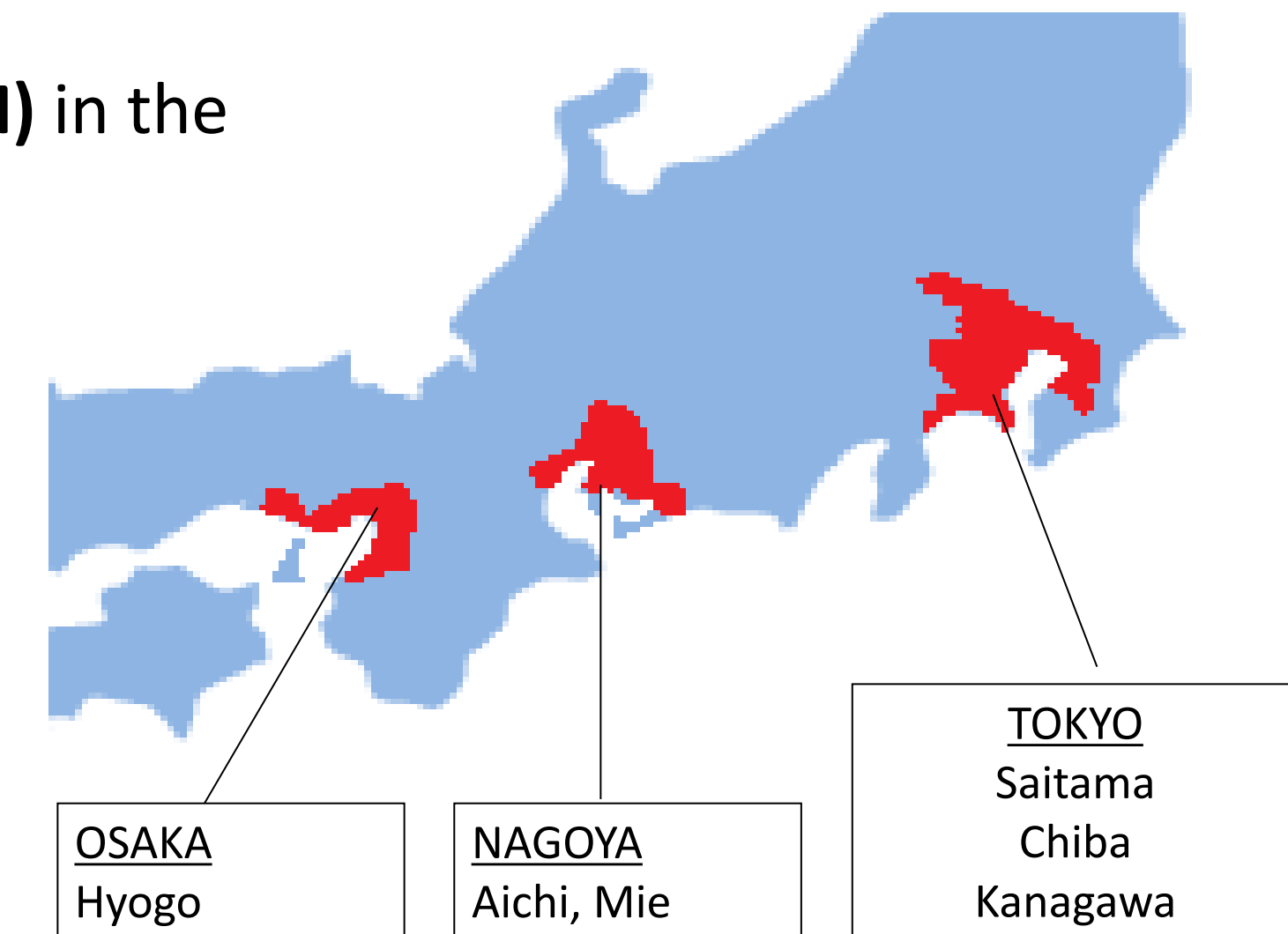
◆ Air pollution control measures for the metropolis

- Additional measures against **Nitrogen Oxides(NO_x)** and **Particulate Matter(PM)** in the metropolis (Tokyo, Nagoya, Osaka)
- to control the total vehicle emission amounts in the metropolis

◆ 1993 targeting NO_x by the Automobile NO_x Act

◆ 2001 targeting NO_x + PM by the Automobile NO_x and PM Act

- Main measures: Vehicle type regulations,
Require business operators to submit automobile management plans to the governor, etc.
- Target: Achieve the environmental standards of NO₂ and SPM by 2010
 - NO₂ achievement in 1993 <Ambient Air Monitoring Station 100%> <Roadside Monitoring Station 93%>
 - SPM achievement rate in 2009 <Ambient Air Monitoring Station 100%> <Roadside Monitoring Station 100%>



Current target (2011) : **Achieve the Environmental Standards of NO₂ and SPM by 2020**

In response to the target year 2020, consultation report by the Central Environment Council;

- **The target was almost achieved**
- **It is necessary to continue implementation of the law until 100% achievement**
- **Next review should be taken within 5 years or so as the next-generation vehicles are expected to be in the market much more**
- **Clarification of criteria of removal of the designation areas should be considered**