



Future City Kitakyushu

Kitakyushu City's Activities to address climate change (mitigation and adaptation)

City of Kitakyushu
Yuzo Yagai

City located near to other Asian nations, rich in nature, and developed as a manufacturing area

Population: 957,000 (2016)
Area: 491.95 Km²
GDP: 3,366 billion yen (2013)

Rich nature and branded food materials

- Karet Plateau Hiraodal
- Wakamatsuhoku Beach
- Ouma Bamboo Shoots
- Kanmon Straits Octopuses
- Kokura Beef
- Buzen-Sea Oysters
- Wakamatsu Special Tomatoes

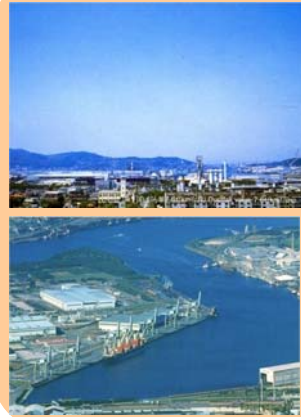
Major companies in Kitakyushu area

- Nippon Steel Corporation
- Yasukawa Electric Corporation
- TOTO Ltd.
- Mitsubishi Chemical Corporation
- Toyota Motor Corporation
- Nissan Motor Co., Ltd.
- Mitsubishi Materials Corporation

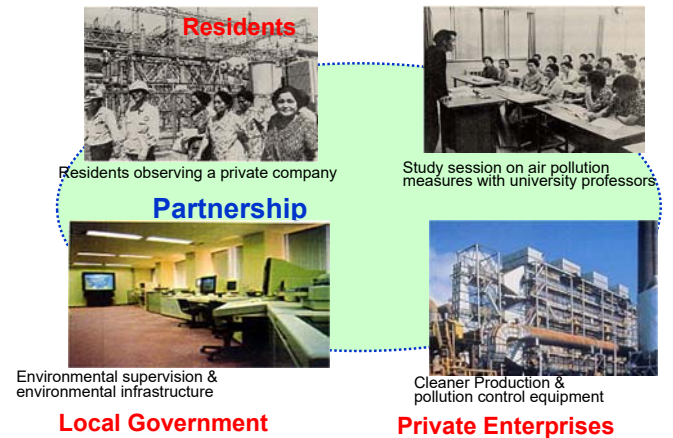
Overcoming Severe Pollution: Kitakyushu's Experience

1960s

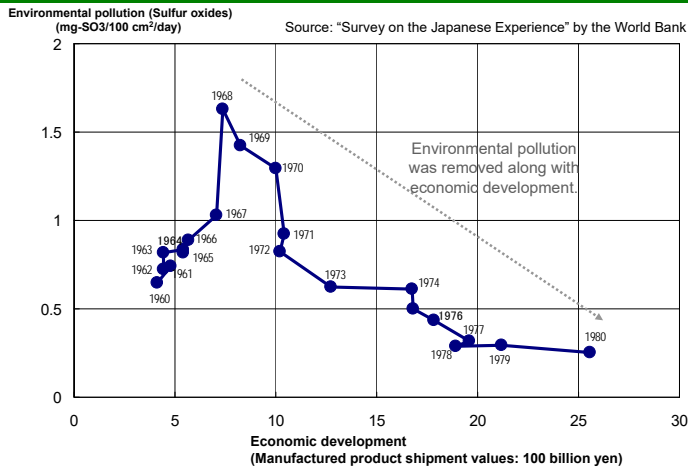
Today



Key Factors: Partnerships among Multi-Stakeholders



Balance of environmental policies and economic policies in Kitakyushu City



Taking on the Challenge of a Resource Recycling Society Kitakyushu Eco-Town Project

Japan's Largest Eco-Town
Approved 1997, Started operations 1998
No. business facilities: 29
No. research facilities: 16

- Investment ~66 billion yen
- Employees ~1,300
- CO₂ Reduction 380 thousand tons a year
- Visitors ~1,500,000 (1998-October 2018)

Automobile recycling

R&D on recycling technologies for solar power systems

Collection/treatment of rare metals

Fluorescent lighting recycling

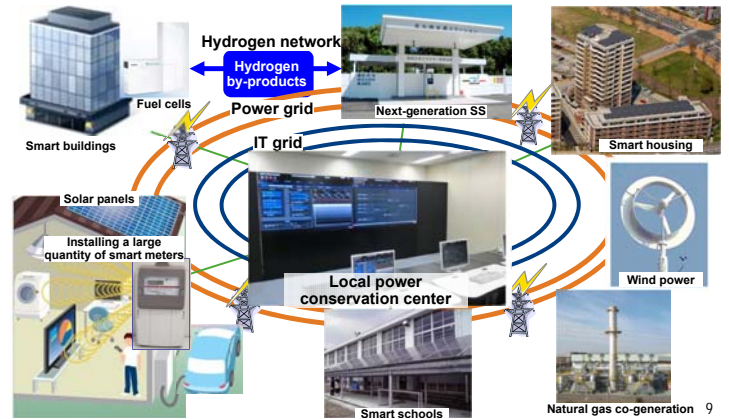
Next-generation Energy Park

Formation of low-carbon society developing in each region



Kitakyushu Smart Community Development Project

Creating a new lifestyle with locally produced and locally consumed energy
Selected as one of four bases in Japan in April 2010



Continuous "Collection of Knowledge" ~Kitakyushu Science and Research Park~

Graduate School, Waseda University



Open in April 2001
Promoting local industries and academic institutions, such as universities that apply "knowledge"

Core science and research focal point in Asia
Create new industries, advance technology

Graduate School of Information, Production and Systems Research Center

Kyushu Institute of Technology



Graduate School of Life Science and System Engineering Center for Human Quality of Life Through IT



Environment & Information

Graduate School, Fukuoka University



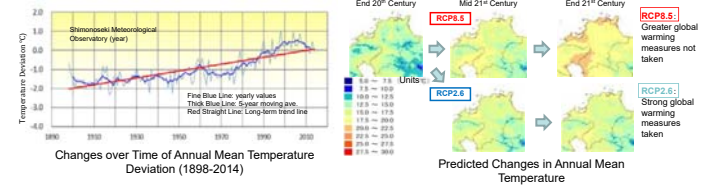
University of Kitakyushu



Faculty of Environmental Engineering Graduate School of Environmental Engineering

Climate Change Impact and Adaptation

2 State of Climate Change and Future Forecast in our City



3 Impacts of Climate Change and Major Adaptive Measures

Adaption measures have been extracted based on the regional characteristics of our city, from the national "Climate Change Adaptation Plan". Aiming to improve capacity through the "strengthening" of various adaptive measures together with a medium to long-term view.

- Promote introduction of high-temp.-resistant rice strains
- River projects (establish and maintain seawalls etc.)
- Erosion control projects (retaining walls etc.)
- Maintaining and securing an emergency medical system
- Surveys of mosquito habitats and viruses
- Providing infectious disease information to citizens
- Red tide measures
- Coastal projects (establish and maintain seawalls etc.)
- Disaster Prevention Guidebook development
- Heat stroke prevention awareness
- Infectious disease surveys
- Shimonoseki City tap water agreement etc.