

**Making an environmental creative city in collaboration with citizens ~ Ube City ~**

**The 5th Kitakyushu Initiative Network**

**Kimiko Kubota, Mayor of Ube**

**Basic Data of Ube City**

- Population: 175,273 (as of Dec. 1, 2009)
- Area: 287.71 km<sup>2</sup> (≒ 71,000 acres)
- Industries: Chemical and cement
- Academic institutions: Yamaguchi University, Ube Frontier University, Ube National College of Technology, Yamaguchi Prefectural Industrial Technology Institute, Ube Medical Creative Center
- Major facilities: Ube Airport, Ube Port and Tokiwa Park (area 1.88 km<sup>2</sup> ≒ 465 acres)
- Sister/Friendship Cities: Weihai City, China; Newcastle, Australia
- Over 400 pieces of sculptures throughout the city

**"The City of Greenery, Flowers and Sculptures"**

① **Dust and Soot Countermeasures in Ube City**

(1) **The World's worst polluted city**

**Black smoke from factories in 1951**

**The dust fell like snow in town**

(2) **Fallen dust decreased by our own antipollution measures**

● **The change in dust fall 1950 ~ 2008**

**Target amount**

(3) **Pollution countermeasures from the Ube Model**

**Adapted as a national standard in the "Smoke and Soot Regulation Law" (1962)**

**Awarded Global 500 in 1997**

**Ube International Environmental Cooperation Association was established in August, 1998**

(4) **The Environmental Conservation Agreement**

- In June 1999 Concluded "The Environmental Conservation Agreement" (40 companies at present)
- In June 2000 Added "Agreement in detail" (20 companies as present)

**Setting up the actual values of regulation**

- ◆ **More than 10% reduction** of final amount of disposed waste
- ◆ **More than 10% reduction** of used amount of fuel which is converted into heavy oil
- ◆ Allocation of green spaces which are not less than the green area ratio specified by the industrial location law (Plant like apocynaceae plant)
- ◆ Contribution to international environmental protection co-operation

※ "The Environmental Pollution Control Agreement" concluded in 1971 was dissolved constructively

### (5) Prior Consultation System and Onsite Inspection

- 1 Prior Consultation**  
~ Expansion of facilities accompanied by Consultation with the city ~
- 2 Onsite Inspection**  
~ Environmental Research by the city of air etc ~  
**「If violation is found」**  
↓  
**「Investigate the cause and make recovery plan」**  
↓  
**【Report the details to the Environment Council】**
- 3 Report of Environmental Conservation Research**  
~ Submission of environmental researches of companies ~

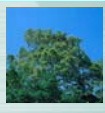
### ② Realizing a low-carbon society with the Ube Model

#### (1) Greenhouse gas reduction in Ube City

● Ube City achieved a 10% reduction compared with the 1990 figure Unit :10,000 - CO2


	1990 (base year)	component ratio	2006 (current figure)	Reduction (against base year)
Industrial sector	599.1	88%	510.8	▲88.3
Transport sector	43.2	6%	51.5	8.3
Civilian sector	41.9	6%	52.1	10.2
<b>Total</b>	<b>684.2</b>	<b>100%</b>	<b>614.4</b>	<b>▲69.8</b>

**Implementation results**  
**Industry:** Fuel reduction by corporations included in the Environmental Conservation Agreement 840,000 t - CO2  
**Transport :** Modal shift (land → ocean) 8,000t, - CO2  
**Civilian :** Implementation plan led by the city + more LPG for city gas 17,000,t - CO2  
**★Others:** PFC detoxification facility in operation (Implemented by NEC) 231,000 t - CO2  
 FY2008 Global Warming Countermeasures Excellent Office Prefectural Governor Award



### (2) Project achieved by co-operation between business, government, academia and citizens

- Promotion of 'No My Car' Commuting
- Environment preparation for bicycles
- Dissemination of solar power generation, energy saving appliances
- Grass in parking lots/school yard, establishment of environmental learning bases
- Carbon offset model project implementation
- Eco Fair implementation
- Dissemination of environmental management system



#### Promotion of Fifty-Fifty Project and Eco School

**Elementary and junior high schools**

- Energy saving education implementation, energy saving activity implementation

**Ube City Hall**

- Calculating/payment of return money
- Publishing FFNews

**Citizens**




- Creating energy saving education program

**Project whereby half of the reduced cost is returned to schools**

**At 37 elementary and junior high schools, the utilities bill was reduced by \$84,000.**

### The City of Greenery, Flowers, and Sculptures

In Ube, you can see various sculptures throughout the city, including Tokiwa Park, which is the pride of the city proud with its extensive area equivalent to 40 Tokyo domes. Most of sculptures are exhibited ones at sculpture exhibitions, which were held in Ube City since 1961. Over 400 sculptures displayed throughout the city. The whole city is like an art gallery.

The first Exhibition of Outdoor Sculpture took place at the hill, which commands a great view of Tokiwa Lake. Ube was the first city to publicly display sculptures outdoors. The sculptures were intended to establish the urban environment and urban development. It was the first of such exhibitions and a milestone for Japan. The exhibition changed its name to "Ube Biennale - International Open Sculpture Competition" and it has been held biennially since. It is well known as a gateway to success as a sculptor in the field of sculpture and some of the past exhibitions have become masters of sculptor.

**Building a city with its economic activities in harmony with the natural environment**  
 ~ ECO (ecology=economy) ~



<http://www.city.ube.yamaguchi.jp/>