



City center and Mount Tsukuba

Tsukuba City is a Special City situated about 50km to the northeast of Tokyo and about 40km to the northwest of Narita International Airport.

The city has been the center of international research and development and about one third of the public research institutions of Japan and many private research institutions are located there. Designated as the Tsukuba International Strategic Zone and chosen as a venue for the G7 Science and Technology Ministers' Meeting, the city is expected to develop further in the future.

This is a rural city fusing nature and city where the rich nature represented by Mount Tsukuba spreads out while a new urban development is progressing along the Tsukuba Express Line opened in 2005.

## Tsukuba Environmental Style "SMILe" - Combine Wisdom and Technology to Create a Town of Smiles

There are a lot of construction activities accompanying development along the Tsukuba Express Line in the city and dependency on passenger cars is high.

In order to reduce CO<sub>2</sub> emissions in the city, it is necessary to prioritize low carbonization through urban development initiatives relating to construction activities and transport of people.

The city will work on low-carbonization through a comprehensive approach utilizing researchers' knowledge and technology, environmental education to children, the wisdom of the public, and the implementation of urban development, so that we can create a town that makes everyone smile.



## Community Eco-life & Mobility Traffic

**Community Eco-life:** The city promotes LCCM houses, zero-emission houses, etc. for the low-carbonization of construction activities. In the environmental model zone, we are promoting "visualization" of energy use across the zone.

**Mobility Traffic:** In order to lower its high dependency on automobiles (1.68 cars per household in 2006) the city will create a town where people can move safely and comfortably through promotion of the use of public transportation (railways and buses,) diversification of low-carbon means of transportation (ex. EV, ultra-compact EV, FCV, bicycles) and environmental arrangement.



Introduction of micro mobility



Considering a new low-carbon transportation system (LRT and BRT)



A mobile hydrogen station

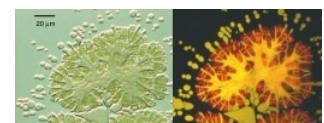
## Leading Edge Technology & Environmental Education

**Leading Edge Technology:** the city will use research results of research institutions for the reduction of CO<sub>2</sub> emissions. The city will also support and lead reduction measures for the entire city by developing eco-businesses through demonstration experiments in the city while at the same time returning the knowledge, technology, resources, etc. of Tsukuba to local communities.

**Environmental education:** The city will concentrate its efforts on environmental education for children who will lead the next generation as well as initiatives to establish environmental activities and an environmentally friendly lifestyle in cooperation with the Tsukuba Eco Style Supporters and other entities. Through these efforts, the city will implement measures to improve the knowledge, mentality and lifestyle of the people.



A piece of work for the Green Curtain Contest submitted by the Tsukuba Eco Style Supporters



Algae biomass



Environmental education for children (Tsukuba Style Course)