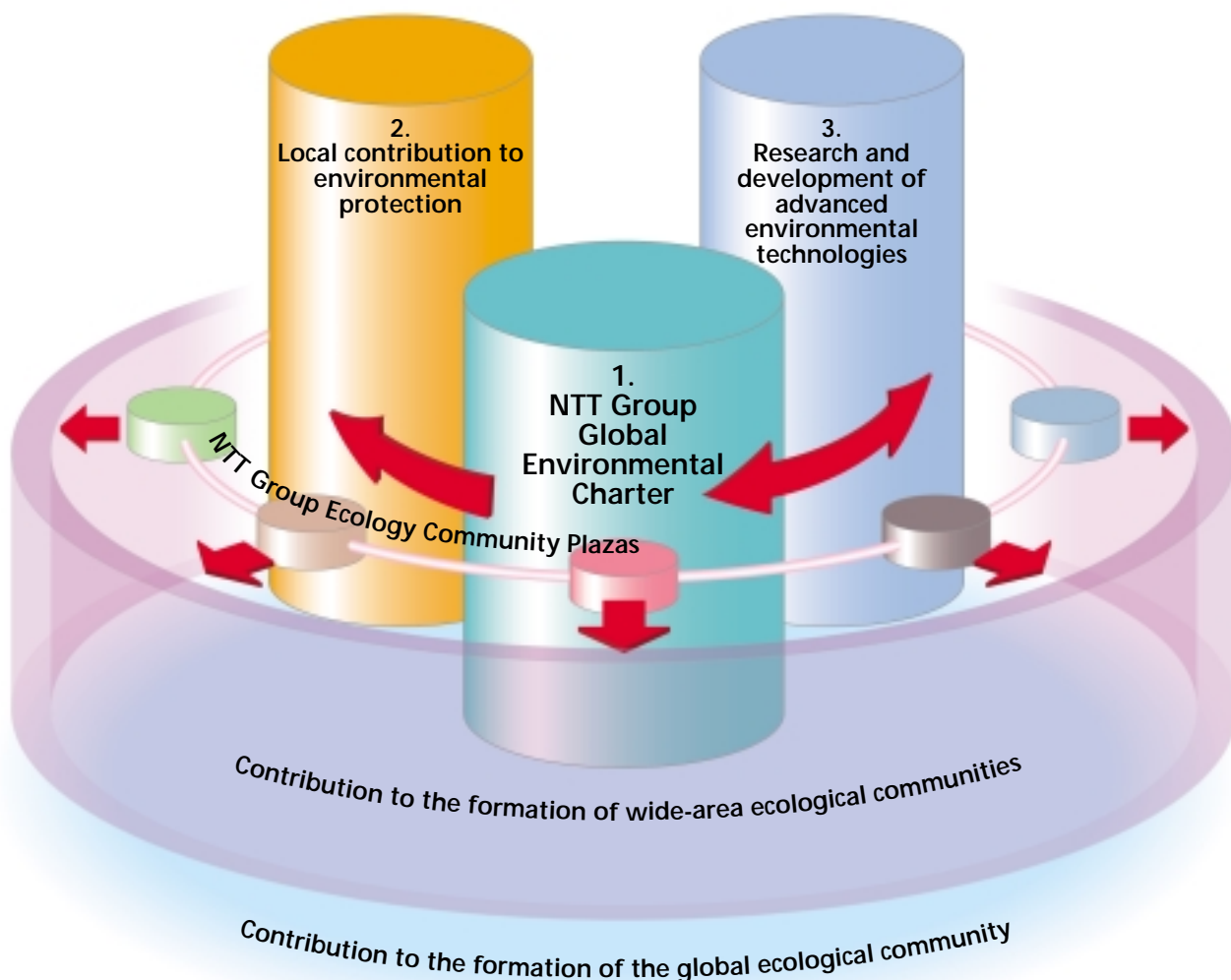


## Environmental Preservation Activities for the Future of the Earth NTT Group Ecology Program 21

In recognition of the importance of environmental preservation as a challenge to be tackled on a global scale in the 21st century, NTT Group is determined to concentrate on the basic policy we call "NTT Group Ecology Program 21," in order to contribute to the formation of a global ecological community by starting from each locality.



### Three Pillars of NTT Group Ecology Program 21



NTT Group will conduct various environmental protection activities based on the needs of each local community. As bases for these activities and as information centers, where various ideas can be exchanged to contribute to the formation of a local community, we will establish "NTT Group Ecology Community Plazas." Specifically, several model branches will first implement various environmental protection activities based on the needs of the respective local communities. After verification of their effectiveness, these activities will be introduced gradually throughout the country.



NTT Group has established a Charter to declare its basic stance on environmental protection. Our major action plan targets (basic programs) are based on this charter. In our attempts to achieve these targets, we will implement a variety of measures to reduce consumption of paper and production of CO<sub>2</sub> and other wastes products. We intend to meet specified targets by 2010 in order to fulfil our corporate responsibilities.



As a corporate group engaged in information distribution, we are involved in research and development activities to reduce environmental loads and create new lifestyles using advanced information distribution technologies.

#### <Examples of research and development activities>

- \* Developing energy-efficient telecommunication facilities
- \* LSI devices with extremely low power consumption
- \* Single-electron devices
- \* Low-power mounting methods for machinery
- \* Clean energy technologies
- \* Technology for rendering PCBs harmless
- \* Optical fiber recycling technology
- \* Plastic recycling technology
- \* Environmental sensing networks and weather forecasting technologies as information distribution applications for reduction of environmental loads

# NTT Group Global Environment Charter

## [Foreword]

We need to recognize the extent and gravity of current environmental issues, including global warming, ozone layer depletion, destruction of the tropical rain forests, desertification, acid rain, and contamination of the oceans.

We must also recognize the degree to which these issues are the direct result of current societal systems, which are intimately linked to corporate activities. As a business enterprise, we have a responsibility to dedicate ourselves to harmonizing our business activities with global efforts to protect the environment in order to realize sustainable growth and to eliminate problems for future generations. Based on this fundamental recognition, we here establish the NTT Group Global Environment Charter to clarify our basic policies and actions taken concerning these issues.

## [Basic Principle]

To ensure the harmonious co-existence of people with nature and to achieve sustainable growth, the NTT Group will do our utmost to protect the global environment in all our corporate activities.

## [Basic Policies]

### 1) Compliance to laws and regulations and fulfillment of social responsibilities

- \* To observe all laws and regulations regarding environmental protection issues and to carry out our responsibilities as global corporate citizens.

### 2) Reducing environmental loads

- \* To establish action plans for energy conservation (reduced greenhouse gas emissions), resource conservation (conservation of materials such as paper), and waste reductions, and to strive to make continuous improvements.

### 3) Establishing and maintaining an environmental management system

- \* Establishing an environmental management system enables each business unit to pursue voluntary environmental protection actions.

### 4) Developing environmental technologies

- \* To contribute to the reduction of environmental load through various areas of research and development, including multi-media services.

### 5) Social contribution efforts

- \* To promote daily environmental protection efforts in coordination with citizens and government agencies.

### 6) Disclosure of environmental information

- \* To enhance both internal and external communications through the disclosure of environmental information.

## NTT Group Major Action Plan Targets

Item	Action plan targets
	Targets for 2010, established in 1999
Saving paper resources	<b>Total consumption of virgin pulp</b> Reduction by more than 20% of the 1990 level by 2010
Preventing global warming	<b>CO2 emission</b> Reduction to the 1990 level or less by 2010
Reducing industrial wastes	<b>Wastes</b> Reduction by over 85% of the 1990 level by 2010
Protecting the ozone layer	<b>CFCs</b> (New applications were ceased in 1995.)

(Action Plan Targets above were determined on March 14, 2000)

\* These action plan targets shall be reviewed, as appropriate, in accordance with the progress of implementation, new discoveries about the causes of environmental problems, improvements in environmental protection technologies, and laws and international conventions, etc.