



ECO ASIA 2005

June 4, 2005

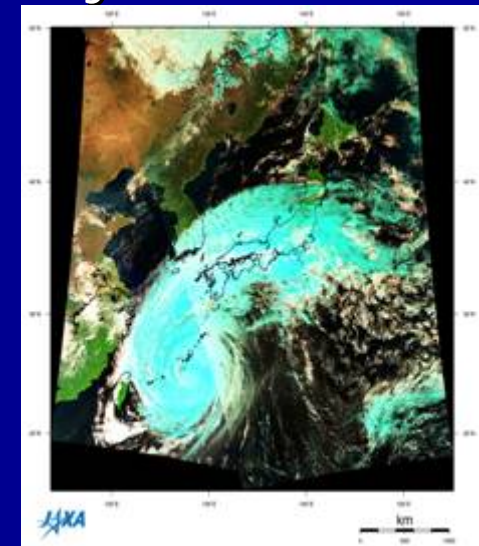
KOIKE Yuriko

Minister of the Environment, Japan

Extreme Weather Events and Climate Change Projection



- Projections of Climate Change by 2100
(IPCC Third Assessment Report)
 - Average surface temperature: rise by 1.4-5.8°C
 - Average sea level: rise by 9-88cm
 - Increase in number of days with heavy rain, heat waves, etc.
 - Increased intensity of typhoons
 - Increase in floods and droughts



Emerging Adverse Effects from Climate Change



<i>Index</i>	<i>Observed change</i>
Average temperature	Rose by 0.6°C in the 20 th century
Average sea level	Rose by 10-20cm in the 20 th century
Number of hot days	Possibly have increased
Number of cold days	Decreased in almost all land areas
Heavy rain	Increased in the middle to high latitudes in the Northern hemisphere
Drought	Increased frequency in some areas
Glaciers	Retreated significantly
Total snow-covered area	Decreased by 10% since 1960s
Economic loss caused by weather	Increased by ten times in the past 40 years

Entry into Force of the Kyoto Protocol



- Entered into force on February 16, 2005
- A commemorative event was held in Kyoto
 - <http://www.kyoto-protocol.jp/>
- Actions for the implementation of the Kyoto Target



2005 Climate Schedule



Russia ratified the Kyoto Protocol
(Nov. 18, 2004)

COP10 (December 2004, Buenos Aires)

Entry into force of the
Kyoto Protocol (Feb. 16, 2005)

Seminar of Governmental Experts
(May 16-17, Bonn)

Energy and Environmental
Ministerial Round Table
(March 15-16, London)

G8 Summit (July 6-8, Gleneagles)
Climate change is major topic

COP11 & COP/MOP1 (November 2005, Montreal)

International Efforts (UN)



- UN Decade of Education for Sustainable Development
 - Decade beginning January 1, 2005
 - Officially launched on March 1, 2005 (In New York)

- High-level Plenary Meeting on UN Millennium Declaration
 - September 14-16, 2005, New York

Ministerial Conference on the 3R Initiative

- April 28-30, 2005 in Tokyo
 - 20 countries/4 international organizations
 - 3R Initiative under international cooperation
 - Visions and strategies to promote the 3Rs
 - Reduction of barriers to the international flow of goods and materials
 - Cooperation between developed and developing countries
 - Encouragement of cooperation among various stakeholders
 - Promotion of science and technology suitable for the 3Rs
- G8 Summit at Gleneagles



Efforts in the Asia-Pacific Region(1)

APFED



- Meeting of eminent persons from around the Asia-Pacific region
- A model of equitable and sustainable development for the region
- Over 100 proposals



Efforts in Asia Pacific Region(2)

MCED5



- March 24-29, 2005, Seoul, Korea
- Adoption of Ministerial Declaration
- Launch of the Seoul Initiative
 - Efforts towards the integration of economy and environment
- Regional Action Plan 2006-2010
 - Framework towards Green Growth



Efforts in Asia-Pacific(3)

Channels and Networks for Dialogue



MCED

formal, governmental, once every 5 years; declaration and framework

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informal, governmental, annual basis, sharing experience, exchanging of views

APFED

eminent persons forum, making recommendations

APFED follow up

multistakeholder fora, etc.

APEIS, APN

scientific research, networking of scientists

APFED II



- APFED Action Platform
 - Framework for realization of APFED Recommendations

- Three mechanisms
 1. Multi-stakeholder Interactive Dialogue
 2. Sustainable Development Knowledge Initiative
 3. Innovation Showcases for Sustainable Development

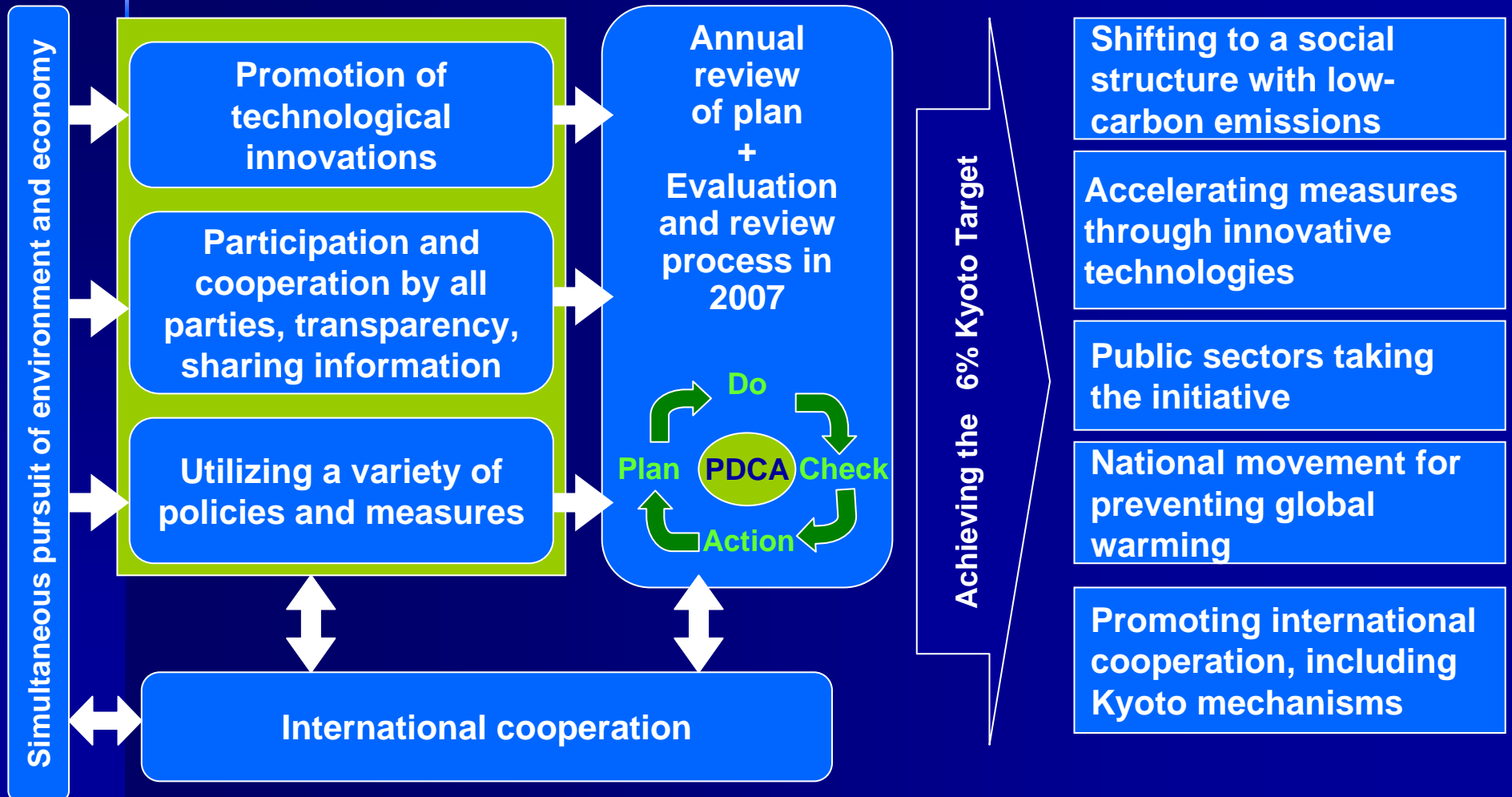
Japan's Efforts



- Low-carbon economy
 - Kyoto Target Achievement Plan
 - Implementation of Awareness Raising Campaign
- Sound Material-cycle Society
 - Fundamental Law for Establishing a Sound Material-cycle Society
 - Improvement of appropriate recycling system, broken down by item
 - Spread the *mottai nai* spirit to the international community

Low-carbon Economy (1)

Kyoto Target Achievement Plan



Simultaneous pursuit of environment and economy

- Promotion of technological innovations
- Participation and cooperation by all parties, transparency, sharing information
- Utilizing a variety of policies and measures

International cooperation

Annual review of plan + Evaluation and review process in 2007

Plan PDCA Check Do Action

Achieving the 6% Kyoto Target

- Shifting to a social structure with low-carbon emissions
- Accelerating measures through innovative technologies
- Public sectors taking the initiative
- National movement for preventing global warming
- Promoting international cooperation, including Kyoto mechanisms

Low-carbon Economy (2)

Awareness Raising Campaign for taking actions to combat climate change



みんなで止めよう温暖化

チーム・マイナス6%

Every citizen helps tackle global warming

Team 'Minus 6%'

- Reduce GHGs by 6% as a united team

■ Achieving the Kyoto Target

- Global efforts
- Participation by all stakeholders
- Collaboration among wide range of stakeholders



Advertisement of a "Team 'Minus 6%' " member company



Publicity by government

Realization of a Sound Material-cycle Society (1)



Sound material-cycle society in regions

Central and local governments formulate local plans jointly

- Quantitative targets
- Prioritization of ex-post evaluation
- Subsidize the improvement of major facilities

Improvement of individual recycling systems

Recycling systems geared toward particular types of item

- Container and Packaging Recycling Law
- Home Appliance Recycling Law
- Food Waste Recycling Law
- Construction Material Recycling Law
- End-of-Life Vehicle Recycling Law

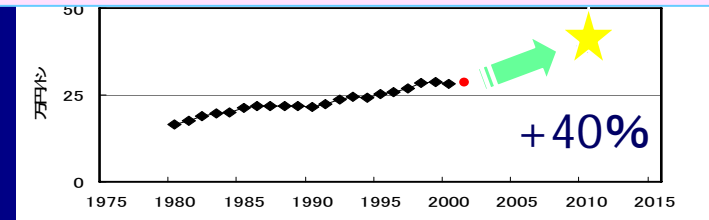
Realization of a Sound Material-Cycle Society (2)



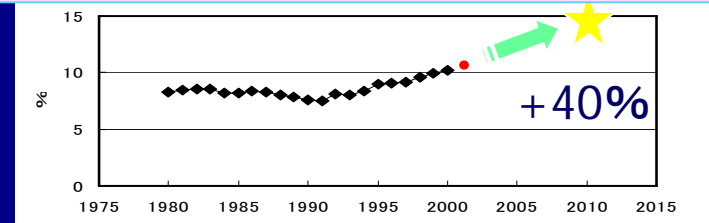
Establishing quantitative targets
(2000→2010)

Annual Review

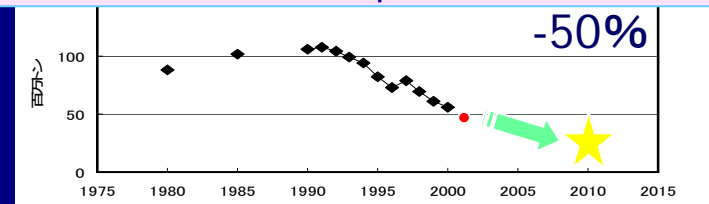
Resource productivity (= GDP/Direct Material input)



Cyclical use rate
(= Reused and recycled material input/total material input)



Final disposal amount
(= Final disposal volume of wastes)

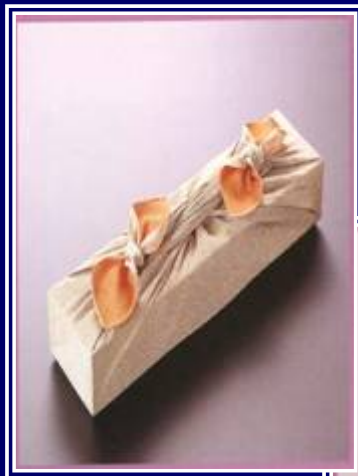


mottainai Spirit & Behavior Represent the 3Rs



Spirit: Utilize material and resources without wasting of their potential

Japanese traditional spirit of *mottainai* spread to the world



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Thank you for your attention.

