

Recent Japan's Initiatives on Climate Change



Stop Global Warming!

Team minus 6%

Hideki Minamikawa
Ministry of the Environment, Japan

Invitation to Cool Earth 50 (by Prime Minister ABE)

“three proposals and three principles”

Long Term Goal, Future Framework, National Movement

- a long-term target of cutting global emissions *by half from the current level by 2050* as a common goal for the entire world
- “*3 principles*” in designing a concrete framework for addressing global warming beyond 2012:
 1. All major emitters must participate, moving beyond the Kyoto Protocol, *leading to the global reduction of emissions.*
 2. The framework must be *flexible and diverse*, taking into consideration the circumstances of each country.
 3. The framework must achieve *compatibility between environmental protection and economic growth* by utilizing energy conservation and other technologies.
- Launching a national campaign for achieving the Kyoto Protocol target

Outline of Cool Earth 50

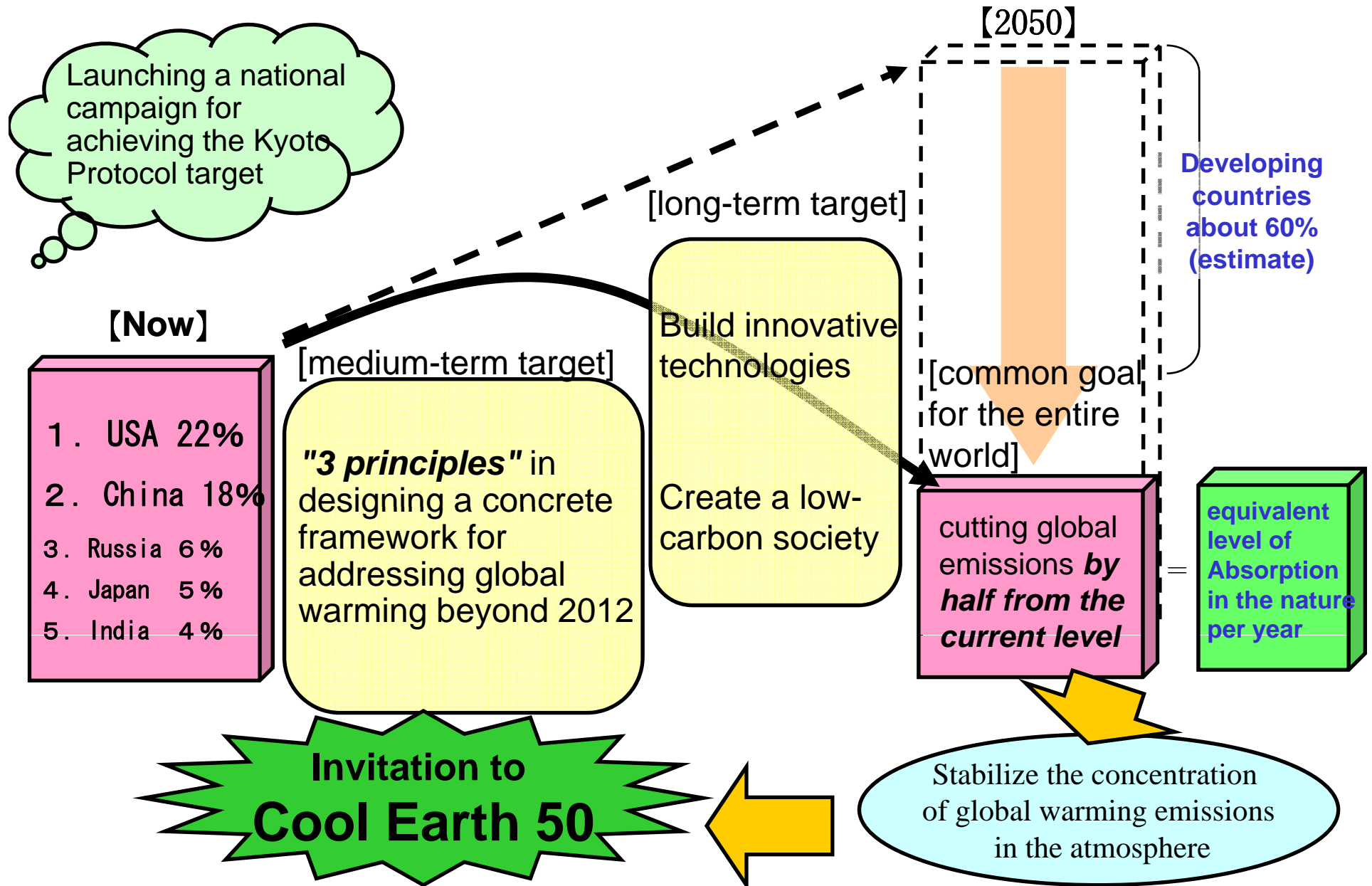


Image of Low Carbon Society in the Near-future

A Low Carbon approach to Land-use / Nature / Transportation

Living in harmony with Nature



Wood Chip Burning Boiler

木くずだきボイラー

Low Carbon Transportation System

Low Carbon Community Development

Promoting Local Production For Local Consumption
~ Aiming toward creating a "face-to-face" relation between consumers and producers ~



Agricultural Production Bureau,
Ministry of Agriculture, Forestry, and Fisheries

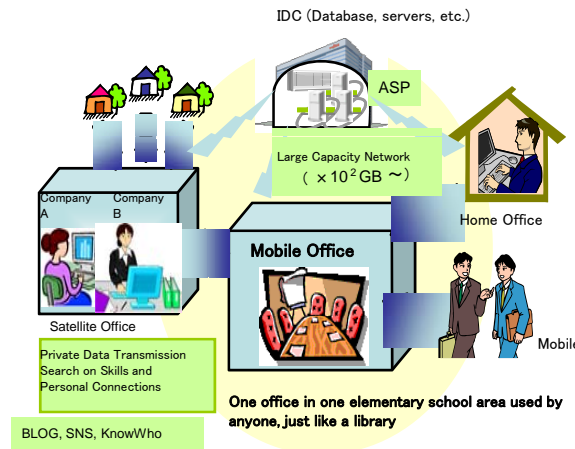
A Low Carbon Industry and Business

Low Carbon Office

Low Carbon Production System

Utilization of Low Carbon Energy

Development of Low Carbon Businesses



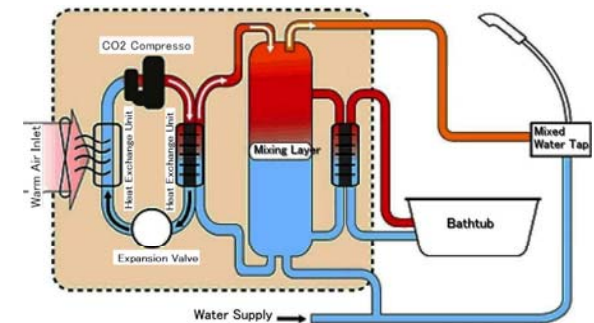
[Example of SOHO]

A Low Carbon Residence and Household

Awareness Raising = Lifestyle Change

Utilizing Solar Energy

Widespread Diffusion of Energy Efficient Devices and Well Insulated Homes



[Heat pump system]

Co-benefits Asia-Pacific Initiatives

Capacity Building

Project Finding

Project Finance

National Needs

Global Environmental Issues

Efforts to Address Environmental Improvement

Co-benefits

Efforts to Address Climate Change

For Example...

Nation-wide Reduction of Pollutant Emission

Reduction of SO_x, NO_x and Dust at Thermal Power Plant

Introduction of New Technologies, Facilities and Management Know-Hows

GHG Reduction and Contribution to Global Environmental Improvement

Support

Awareness Raising, Capacity Building, Technology Transfer, Joint Research & Observation, Financial Mechanism

Potential Action Areas for Co-benefits

| Co-benefits Action Area | Project Example | Environmental Improvement Benefits | Climate Change Benefits |
|-----------------------------|--|--|---------------------------|
| Air Pollution | Improvement of combustion efficiency | Air Pollutant (SO _x , NO _x and dust) Reduction | CO ₂ reduction |
| | Fuel switching | Air Pollutant (SO _x , NO _x and dust) Reduction | CO ₂ reduction |
| | Transport | Air Pollutant (SO _x , NO _x and dust) Reduction | CO ₂ reduction |
| Water Pollution | Prevention of Methane generation from sludge | Improvement of Water Pollution | CH ₄ reduction |
| Waste | Proper treatment of MSW at landfill | Proper treatment of waste | CH ₄ reduction |
| | Utilization of biomass waste | Reduction of waste amount | CH ₄ reduction |
| Chlorofluorocarbons Control | Chlorofluorocarbons collection and treatment | Chlorofluorocarbons proper treatment (Protection of Ozone Layer) | HFC reduction |