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Integrating Low Carbon Society
Concept into Sustainable
Development Strategy
in All Countries

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Introduction

1. Major Issues of Sustainable Development
 - 1) In Developed Countries
 - 2) In Developing Countries
2. Major Issues of the Environment
3. Growing Impact of Climate Change
4. Mainstreaming Climate Change in National Development Strategy
5. Integrating Low Carbon Society Concept in Promoting Sustainable Development
6. Enhancing International Cooperation

1.1 Major Issues of Sustainable Development in Developed Countries

- 1) Sustaining Non-Inflationary Growth under Globalising World Economy: Rising Fear of Prolonged Stagflation due partly to Subprime Loan Problems (Davos 1/2008 & G8 Finance Ministers, Tokyo, 2/2008)
- 2) A Continuing Issue of Restraining Budgetary Deficits below X % (3 in OECD) of GDP against the Background of Ageing Population and Rising Social Security Cost
- 3) Mainstreaming the Environmental Issues in National Development Strategy
- 4) Exploring into the Post-Kyoto International Arrangements on Climate Change, Targetting at a Minimum 20 % Reduction of GHG Emission by 2020 and 50% by 2050 (85% for Japan, 88% for USA and 83% for EU in a recent TIT study) and Bringing All Countries into the International Commitment Differentiated by Degree of Risk

1.2 Major Issues of Sustainable Development in Developing Countries

- 1) Achieving A Steady Growth to Reduce Poverty, Provide Employment and Green the Growth
- 2) Brining the Benefits of Growth to all Segments of the Population, e.g., Lowering Regional Disparities, Income Inequality, BEFA in particular by Raising Literacy among Women and Minorities, SAWFA (See MDG Report2007)
- 3) Minimising the Population Suffering from Infectious Diseases including HIV/AIDS (G8 2008 at Lake Toya)
- 4) Urging the International Community to Comply with the Doha Consensus in the International Trade and with the U.N. Commitment of Providing ODA at 0.7% of GDP (G8 2008)

2. Major Issues of the Environment: Commonality and Differences

- 1) Major National Environmental Issues
 - a) Air pollution
 - b) Water pollution
 - c) Soil pollution
 - d) Hazardous and household wastes
- 2) Major Global Environmental Issues
 - a) Climate change
 - b) Deforestation
 - c) Trans-boundary Haze, Sandstorms, River pollution and 3Rs
 - e) Biodiversity

3. Growing Impact of Climate Change

- 1) On Food Production and Productivity, caused by Drought and Floods
- 2) Forest Fire: CO₂ Emission and Haze
- 3) Natural Disasters: Loss of Lives and Property
- 4) Loss of Biodiversity and Coral Shelves
- 5) Increasing Threat to Low Coastal Lines of Some SIDCs in the Pacific, the Indian and the Atlantic Ocean submerging under the SEA
- 6) A Deeper Impact of the Trans-boundary Issues
- 7) Transmission of some Tropical Diseases to the Northern Hemisphere

4. Mainstreaming Climate Change in National Development Strategy

- 1) Adaptation to Climate Change
 - a) Agricultural, Fishery and Forestry Development
 - b) Natural Disaster Preparedness and Prevention
 - c) Planning Human Settlements Against Storms, etc.
 - d) Adapting Tourist Development to Climate Change
- 2) Mitigation of GHG Emission and Global Warming
 - a) Access to Clean Energy Services in Rural Communities and Improving Energy Efficiency
 - b) Increasing Use of Renewable Energy Sources
 - c) Industrial Restructuring and Merchandising in favour of Lower Carbon Intensity
 - d) Decarbonising transport system

5. Integrating LCS Concept in Promoting Sustainable Development

- 1) Accelerating Technology Transfer and Diffusion and Enhancing Technological Development for Installing Production Processes and Product Mixes in favour of Lower Carbon Intensity
- 2) Promoting 3Rs (Reduce, Reuse and Recycle) and ESD for Installing LCS Concept in Every Sector of the National Economy
- 3) A Greater Use of Economic Instruments and Market-based Incentives including Developmental Clean Development Mechanism (Co-benefits) on Project, Programmatic and Sectoral Basis
- 4) Ensuring Consistency between Macro- and Micro-Economic Policies and among Sectoral Policies to Promote Lower Carbon Intensity

6. Enhancing International Cooperation

- 1) Promoting Technical Cooperation for Enhancing the Capacity of Developing Countries to Mainstream Climate Change and LCS Concept in National Development Strategy and Implement the Strategy Effectively
- 2) Enlarging and Diversifying Multilateral Climate Change Adaptation and Mitigation Funds
- 3) Installing the Cap and Trade, Consolidating National and Global GHG Emission Trading Arrangements and Improving Developmental CDM (Co-Benefits)
- 4) Renewed Commitment to the Kyoto Protocol through Innovative Tax Reforms and Private-Public Partnership to Assist MNCs to Promote Technology Transfer in favour of Lower Carbon Intensity and Early Consensus on the Global Post-Kyoto Arrangements on Climate Change and LCS

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ATTENTION

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