

ECONOMIC AND SOCIAL COMMISSION FOR ASIA AND THE PACIFIC

First Policy Consultation Forum of the Seoul Initiative on Green Growth:
“Promoting Sustainable Infrastructure Development”
6-8 September 2006
Ramada Seoul Hotel, Seoul, Republic of Korea

TENTATIVE PROGRAMME

Wednesday, 6 September 2006

08:30-09:00 Registration (Ramada Seoul Hotel)

09:00-09:50 Opening Session

09:00-09:10 Welcoming Address by **H. E. Mr. Lee Chi-Beom**, Minister, Ministry of Environment, Republic of Korea

09:10-09:20 Opening Remarks by **Mr. Kim Hak-Su**, Under-Secretary-General of the United Nations and Executive Secretary of UNESCAP (to be delivered by **Mr. Rae Kwon Chung**, Director of Environment and Sustainable Division, UNESCAP)

09:20-09:30 Group Photo

09:30-09:45 Break

09:45-11:00 Introductory Session

Moderator: Mr. Boonam Shin, Director General, Office of the International Cooperation, Ministry of Environment, Republic of Korea

09:45-10:25 Green Growth & Eco-efficiency: A Regional Strategy for Environmentally Sustainable Economic Growth in Asia & Pacific

Mr. Rae Kwon Chung, Director of Environment and Sustainable Development Division, UNESCAP

10:25-10:45 Implementation Plan 2006 of the Seoul Initiative on Green Growth

Mr. Hee Chul Lee, Director of International Cooperation Division, Ministry of Environment, Republic of Korea

10:45-11:00 Discussion

11:00-12:00 Session I: Taking Green into Account

Moderator: Prof. Jong Ho Hong, Professor, Department of Economics and Finance, Hanyang University

11:00-11:15 Concept of environmental accounting

Dr. Jongho Kim, Korea Environment Institute

11:15-11:30 Green Growth and environmental accounting: Importance of environmental accounting for Green Growth

Dr. Sangin Kang, Director, Sustainable Development Division, Korea Environment Institute

11:30-11:45 Green Accounting: China's Practice

Dr. Zhou Guomei, Director of Environmental Economic Division, Policy Research Center of Environment and Economy of State Environment Protection Agency, China

11:45-12:00 Discussion

Possible Discussion Points

- Why are green accounting and green GDP important for Green Growth?
- What are some initial steps to take in order to calculate Green GDP?
- Non-market benefits of nature: what should be accounted for Green GDP, why and how?
- What are the main challenges we face in introducing green accounting?
- What kinds of leadership are necessary for the implementation of green GDP policies/practices?
- What are the roles of the different governmental sectors (e.g. Ministry of Environment, Ministry of Economy, Ministry of Commerce, Industry and Energy, etc.) in promoting/implementing green GDP measures/calculations?

12:00-13:30 Lunch Break

13:30-15:15 Session II: Sustainable Infrastructure: What is it? Why is it important?

Moderator: Mr. Rae Kwon Chung, Director of Environment and Sustainable Development, UNESCAP

13:30-13:45 Concept of sustainable infrastructure and how it can contribute to Green Growth (introductory presentation on sustainable infrastructure)

Prof. Vilas Nitivattananon, Assistant Professor, Urban Environmental Management, School of Environment, Resources and Development, Asian Institute of Technology

13:45-14:00 Sustainable Infrastructure: What is it? Why is it important? (Concept and definition of sustainable infrastructure, European experiences)

Dr. Rolf Andre Bohne, Faculty of Engineering Science and Technology
Department of Civil and Transport Engineering, Norwegian University of Science and Technology

14:00-14:15 Sustainability and Public Infrastructure Investment: Korean Experiences

Prof. Jong Ho Hong, Professor, Department of Economics and Finance, Hanyang University & **Mr. Yong-Shin Park**, Director, Citizens' Coalition for Environmental Justice

14:15-14:30 The World Bank's Approach to Sustainable Infrastructure Development

Mr. Ben Eijbergen, Infrastructure Sector Coordinator, , The World Bank, Manila Office

14:30-14:45 Sustainable Infrastructure, Doing More with Less: Applying Eco-efficiency Principles

Dr. David Ness, Office of Major Projects and Infrastructure Department for Transport, Energy and Infrastructure and Adjunct Research Fellow, University of South Australia (to be presented by Ms. Aneta Nikolova, UNESCAP)

14:45-15:15 Discussion

Possible Discussion Points

- What are the impacts of infrastructure in improving eco-efficiency to pursue Green Growth?
- How should the concept of eco-efficiency be applied in infrastructure development (design, construction, operation, maintenance, and disposal of infrastructure)?
- What are the factors affecting the eco-efficiency of infrastructure?
- What are the issues and challenges in promoting sustainable infrastructure development in the region?
- What are the other characteristics and externalities of infrastructure and how can we overcome this problem?
- How should sustainable infrastructure development be approached as a policy framework or as a system?
- What is the current status of the sustainable infrastructure development in Asia-Pacific region?
- Eco-efficiency of infrastructure: what must be considered in order to support sustainable development in Asia-Pacific region? What are the possible policy tools and guidance available/needed?

15:15-15:30 Break

15:30-18:00 Session III: Improving Eco-efficiency of Transport Infrastructure

Moderator: Mr. Chan Woo Kim, Senior Coordinator for Environmental and Scientific Affairs, Ministry of Foreign Affairs and Trade

- 15:30-15:45 Environmentally-Friendly Transport Policy in Asia
(Improving Eco-efficiency of Transport Infrastructure and Urban Settlement)
- Dr. Shinya Hanaoka**, Assistant Professor, Transportation Engineering, School of Civil Engineering, Asian Institute of Technology
- 15:45-16:00 UNCRD's Initiative on EST towards the Promotion of Green Growth in Asia
United Nations Centre for Regional Development (UNCRD)
- 16:00-16:15 Urban Rail Transportation Development in Bangkok Metropolitan, Thailand
- Mr. Padet Praditphet**, Policy and Plan Analyst, Office of Transport and Traffic Policy and Planning, Ministry of Transport, Thailand
- 16:15-16:30 Seoul's Challenge for Eco-efficient Transport
- Dr. Gyeng Chul Kim**, Senior Research Fellow, Seoul Development Institute, Seoul Metropolitan Government
- 16:30-16:45 Sustainable Urban Design-Climate Measures in Transportation Policies-
- Ms. Maki Nakamura**, Section Chief, Minister's Secretariat General Affairs Division, Ministry of Environment, Japan
- 16:45-17:00 Transportation Policy toward eco-efficiency in Korea
- Dr. Junhaeng Jo**, Korea Transport Institute
- 17:00-17:15 Road Transport Emission Control in Pakistan
- Mr. Syed Tanvir Hussain Bokhari**, Chief (Transport & Communications), Planning and Development Division, Government of Pakistan
- 17:15 -17:30 Air Quality Management Through Sustainable Transport in Indonesia
- Mr. Dana A. Kartakusuma**, Assistant Minister, Technology and Sustainable Development, Ministry of Environment, Indonesia
- 17:30-18:00 Discussion

Possible discussion points

- What are the challenges in promoting sustainable transport in the region?
- Are the adverse external effects of transport infrastructure and congestion being comprehensively and adequately assessed in Asia-Pacific regions? If yes, what step should be taken?
- What are the environmental and economic impacts of traditional transportation infrastructure?
- How can we improve the eco-efficiency of the transport sector as a whole?
- What are the social costs of traffic congestion? What policies should be taken to minimize the cost?
- What are the external costs and benefits of other modes of transportation (e.g. walking, cycling, and public transportation, including rail)?
- What are some of the cultural and national differences of the various transportation modes in Asia-Pacific, and what are some ways to achieve sustainable national transport systems?
- What are some existing strategies and policies relating to sustainable transport infrastructure planning and broader matters of urban planning and population density? What are some related government policies at local, regional, and national levels?

18:30-20:00 Reception hosted by Ministry of Environment, Republic of Korea

Thursday, 7 September 2006

09:00-12:00 Session IV: Promoting Eco-efficiency of Water Supply, Wastewater and Solid Waste Management Infrastructure

Moderator: Mr. Young-Woo Park, President, Business Institute for Sustainable Development

09:00-09:15 Introductory presentation

Prof. Vilas Nitivattananon, Assistant Professor, Urban Environmental Management, School of Environment, Resources and Development, Asian Institute of Technology

09:15-09:25 Promoting Eco-efficiency of Water Infrastructure Investment

Mr. Ti Le-Huu, Sustainable Development and Water Resources Section, Environment and Sustainable Development Division, UNESCAP (to be presented by Mr. Jung Kyun Na, UNESCAP)

09:25-09:45 Rainwater Harvesting: A new paradigm to meet MDG and maintain sustainability

Prof. Mooyoung Han, Director, Rainwater Research Center, Seoul National University

09:45-10:00 Sustainable Groundwater Resources Management in Asia - from case studies of 5 Asian cities

Dr. Yatsuka Kataoka, Policy Researcher, Institute for Global Environmental Strategies (IGES)

10:00-10:15 Water Supply and Sewage Management Systems in Korea

Dr. Dae Young Joo, Deputy Director, Water Supply and Sewerage Policy Division, Ministry of Environment, Republic of Korea

10:15-10:30 Water Resource of the Mongolia

Mr. Chandmani Dambabazar, Director of Mongolian Water Institute

10:30-10:45 Break

10:45-11:00 Water Supply, Wastewater and Solid Waste Management Infrastructure in Bangladesh

Mr. Touhid Uddin Ahmed, Deputy Secretary, Ministry of Environment and Forest, Bangladesh

11:00-11:15 Small Water Impounding Project: A small Scale Eco-efficient Infrastructure in Upland Communities of the Philippines

Mr. Samuel M. Contreras, Chief Agriculturist, Bureau of Soils and Water Management, Department of Agriculture, Philippines

11:15-11:30 Promoting Eco-efficiency of Solid Waste Management Infrastructure in Thailand

Mr. Solos Khankhrua, Senior Environmental Scientist, Department of Environmental Quality, Ministry of Natural Resources and Environment, Thailand

11:30-11:45 Solid Waste Management Problems in Russian Federation

Dr. Vladimir Maksimov, Advisor, Ministry of Economic Development and Trade, Russian Federation

11:45-12:00 Infrastructure Strategic Plan Towards Sustainable Development in Indonesia

Mr. Mochammad Amron, Director, Strategic Research Centre, Ministry of Public Works

12:00-12:15 Discussion

Possible discussion points

- What are the issues surrounding sustainable water infrastructure in the region?
- How can we improve the eco-efficiency of water infrastructure (water leakages, water recycling, water pricing and water savings)?
- What are the environmental impacts of sewerage and wastewater treatment?
- In what critical areas might economic activities be comprised by pollution from wastewater facilities?
- Are there any possible “cultural solutions” in respect to human waste and water usage? What are they?
- What are the possible policy guidelines for eco-efficient water infrastructure?

12:00-13:30 Lunch Break

13:30-15:00 Session V: Eco-efficiency of Energy Infrastructure & Human Settlements

Moderator: Kwang Kyu Kang, Director, Office of Planning and Coordination, Korea Environment Institute

13:30-13:45 Eco-efficient energy infrastructures: Toward an Eco-energy Strategic Plan

Dr. Woodrow W. Clark II, Managing Director, Clark Strategic Partners (Former Senior Energy Policy Advisor – renewables, technology and finance), Governor’s Office, State of California, USA

13:45-14:00 Strategies for New & Renewable Energy Development in Korea

Dr. Kyungjin Boo, Korea Energy Economics Institute

14:00-14:15 Green Building System: Eco-efficient Construction Strategy Adapted to the Climate of Asia and the Pacific

Prof. Chung-Yoon, Chun, College of Human Ecology, Yonsei University

14:15-14:30 Promoting Eco-Friendly and Sustainable Urban Settlements- The Indian Experience

Mr. Pankaj Jain, Joint Secretary, Ministry of Housing and Urban Poverty Alleviation, Government of India

14:30-14:45 Sihwa Tidal Power Plant Project: To promote the use of renewable energy

Mr. Jong lee Shin & Mr. Jong Deug Kim, Korea Water Resources Corporation (K-Water)

14:45-15:00 Discussion

Possible discussion points

- Energy security: what are the challenges with energy supply and consumption in this era? Why? And what are the possible national responses to overcome these challenges?
- What are the economic and eco-efficiency aspects of energy security issues?
- The impact of decarbonisation: the pressure to move towards a much lower level of carbon intensity in energy system in Asia-Pacific region?
- How much of a switch towards renewable technologies/resources is likely in response to international pressure to reduce GHG emissions?
- What are the possible strategies for constructing eco-efficient buildings and urban settlements relating to the unique climate and cultural characteristics of the participating nations? What are some strategies that increase the efficiency with which buildings and their sites use and harvest energy, water, and materials?

15:00-15:15 Break

15:15-18:00 Session VI: The Role of the Public and Private Sectors in Promoting Sustainable Infrastructure Development

Moderator: Prof. Hyun-Hoon Lee, Director of Asia-Pacific Leadership Center, Professor of International Economics, Kangwon National University

15:15-15:30 Introductory presentation

Prof. Vilas Nitivattananon, Assistant Professor, Urban Environmental Management, School of Environment, Resources and Development, Asian Institute of Technology

15:30-15:45 Private Sector Involvement in Sustainable Infrastructure: The ADB's Approach to Sustainable Infrastructure Development

Mr. Woochong Um, Director, Energy, Transport and Water Division, Regional and Sustainable Development Department, the Asian Development Bank

15:45-16:00 The Role of Public and Private in Developing Infrastructure

Ms. Junglim Hahm, Infrastructure & PPP Specialist, Finance & Private Sector Development Division, World Bank

16:00-16:15 The Current State and Future Perspective of Private Investment Project in Korea

Dr. Geun Ung Choi, Director, Department of Private Investment Promotion, Korea Environmental Management Corporation

16:15-16:30 Government Policies and Institutional Framework of Infrastructure Development in India

Mr. Narendra Hatwar Hosabettu, Director, Impact Assessment Division, Ministry of Environment and Forests, Government of India

16:30-16:45 Private Participation in Infrastructure (PPI) Initiatives in Cambodia
Mr. Sopheap Chan, Head of General Policy Office, Ministry of Economy and Finance, Cambodia

16:45-17:00 Presentation by Malaysian delegation: Infrastructure and Utilities Development in Malaysia

Ms. Maznon binti Abdullah Hashim, Principal Assistant Director, Infrastructure and Utilities Section, Economic Planning Unit, Prime Minister's Department, Malaysia

17:00-17:15 Engaging People in Sustainability: NGO's Perspectives on the Way to Sustainable Infrastructure Development in Korea

Ms. Yoo Jin Lee, Green Korea United

17:15-17:30 Presentation by Viet nam

Mr. Xuan Bao Tam Nguyen, Deputy Director General, International Cooperation Department, Ministry of Natural Resources and the Environment, Vietnam & **Mr. Ta Dinh Thi**, Ministry of Natural Resources and the Environment, Vietnam

17:30-18:00 Discussion

Possible discussion points

- What are the financial challenges in promoting sustainable infrastructure development in Asia-Pacific region? Why are they challenges? What can be done about them?
- What are the desirable roles of central and local governments in planning, facilitating and coordinating investment decisions in sustainable infrastructure development?
- What kind of investment strategies would best support implementing sustainable infrastructure?
- How should risks be shared between government and the private sector for sustainable infrastructure development? What are some suggestions for possible guidelines?
- What are the possible guidelines and political actions to take in order to encourage participation and partnership amongst various sectors?

18:30-20:00 Reception hosted by Korea Environment Institute

Friday, 8 September 2006

09:00-11:00 Concluding Session

Moderator: Mr. Rae Kwon Chung, Director of Environment and Sustainable Development, UNESCAP

09:00-09:20 Policy direction for sustainable infrastructure development

Prof. Vilas Nitivattananon, Assistant Professor, Urban Environmental Management, School of Environment, Resources and Development, Asian Institute of Technology

09:20-09:40 Summary of the Forum

Mr. Rae Kwon Chung, Director of Environment and Sustainable Development Division, UNESCAP

09:40-10:30 Discussion

10:30-11:00 Closure of the Meeting