



Interactive Thematic Dialogue of the United Nations General Assembly on “Energy Efficiency, Energy Conservation and New and Renewable Sources of Energy”

Thursday, 18 June 2009
Trusteeship Council Chamber

Keynote Speaker: Hoesung Lee

Hoesung Lee is Vice Chair of the United Nations Intergovernmental Panel on Climate Change (IPCC) and Dean of the College of Environment at Keimyung University, Korea. The area of his research and teaching is climate change, energy and environmental economics. He was Co-Chair of IPCC Working Group III in 1992-1997 for the Second Assessment Report which provided scientific basis for the Kyoto Protocol. He was lead author and review editor for subsequent assessment reports. He was founder and first president of the Korea Energy Economics Institute—a government’s energy policy research agency. Dr. Lee served as president of the International Association of Energy Economics—a professional society headquartered in the United States with a mission of advancing energy economics with 3500 members in academics, governments and business over 75 countries. He was senior advisor to the Minister of Energy and Resources and the Minister of Environment. Dr. Lee served on the board of numerous corporations and organizations domestic as well as international, including Hyundai Corporation and Institute for Global Environmental Strategies, headquartered in Japan. He has published research articles and books on energy economics and climate change policy.

Moderator: Timothy Wirth

Timothy Wirth is the President of the United Nations Foundation and Better World Fund. These organizations were founded in 1998 through a major financial commitment from R.E. Turner to support and strengthen the work of the United Nations. Wirth began his political career as a White House Fellow under President Lyndon Johnson and was Deputy Assistant Secretary for Education in the Nixon Administration. Wirth then returned to his home state and successfully ran for the U.S. House of Representatives, representing Colorado’s 2nd Congressional District from 1975-1987. In the House, he concentrated his efforts in the areas of communications technology and budget policy. In 1986, Wirth was elected to the U.S. Senate where he focused on environmental issues, especially global climate change and population stabilization. Wirth chose not to run for re-election. Following those two decades of elected politics, Wirth served in the U.S. Department of State as the first Undersecretary for Global Affairs from 1993 to 1997. In this position he coordinated U.S. foreign policy in the areas of refugees, population, environment, science, human rights and narcotics.

As President of the UN Foundation since its inception in early 1998, Wirth has organized and led the formulation of the Foundation’s mission and program priorities, which include the environment, women and population, children’s health and peace, security and human rights. The Foundation also engages in extensive public advocacy, resource mobilization, and institutional strengthening efforts on behalf of the UN.

Speaker: Kandeh Yumkella

Mr. Yumkella joined UNIDO in 1996 as Special Advisor to the then Director-General, Mauricio de Maria y Campos. In the same year he became Director of the Africa and Least Developed Countries Regional Bureau, until 2000 when he went to Nigeria as UNIDO Representative and Director of the Regional Industrial Development Centre, a position he held until 2003. From then until his election as Director-General he was a Senior Advisor to the previous Director-General, Carlos Magariños. Prior to joining UNIDO, between 1994 and 1995 he was Minister for Trade, Industry and State Enterprises of Sierra Leone. During his earlier career he occupied several academic and research positions in the United States. Mr. Yumkella has also co-authored numerous articles, books and staff papers on international trade and development issues. He holds a Ph.D. in Agricultural Economics from the University of Illinois.

Speaker: Nebojsa Nakicenov

Nebojsa Nakicenovic is Professor of Energy Economics at Vienna University of Technology and Leader of the Transitions to New Technologies Project at the International Institute for Applied Systems Analysis (IIASA). He is also an Associate Editor of the International Journal on Technological Forecasting and Social Change, Editor of International Journal on Energy, and Climate Policy, a Member of the Advancing Energy Technology & Efficiency Study Group, World Energy Council (WEC), the Scenarios Working Group, Millennium Ecosystem Assessment, and the Research Advisory Committee of the Institute for Global Environmental Strategies (IGES).

Prof. Nakicenovic was the Director, Global Energy Perspectives, WEC, 1993 to 1998, Convening Lead Author of the Second Assessment Report of the Intergovernmental Panel on Climate Change (IPCC), 1993 to 1995, Convening Lead Author of the IPCC Special Report on Emissions Scenarios, 1999 to 2001, Lead Author Third Assessment Report of the IPCC, 1999 to 2001, Convening Lead Author of the World Energy Assessment: Energy and the Challenge of Sustainability, 1999 to 2000, and Guest Professor at the Technical University of Graz, 1993-2002.

He first joined IIASA in 1973 to work in the Energy Systems Program on long-term, global energy prospects; from 1984 he worked in the Science and Technology Program on the restructuring of the global automotive industry; from 1986 on the dynamics of technological and social change in the Technology, Economy and Society Program as Acting Program Leader and as Leader of the Environmentally Compatible Energy Strategies Project from 1991 to 2000.

Prof. Nakicenovic holds bachelor's and master's degrees in economics and computer science from Princeton University, New Jersey, USA and the University of Vienna, where he also completed his Ph.D. He also holds Honoris Causa Ph.D. degree in engineering from the Russian Academy of Sciences.

Among Prof. Nakicenovic's research interests are the long-term patterns of technological change and economic development and response to climate change and, in particular, the evolution of energy, mobility and information technologies. Currently, his research focuses on the diffusion of new technologies and their interactions with the environment. He is author and coauthor of many scientific papers and books on the dynamics of technological and social change, economic restructuring, mitigation of anthropogenic impacts on the environment and on response strategies to global change.

Additional information can be found in Marquis Who's Who in Science and Engineering and Who's Who in the World. Curriculum vitae, lists of publications and lectures are available on request.

Speaker: Joe Loper

Loper is an energy efficiency expert with 20 years experience in energy advocacy, analysis, consulting, training, program management, and policy and program development. He is the lead author of numerous reports on a variety of issues including energy use in federal government buildings, state and local energy taxation, environmental performance of electric utilities, energy efficiency in data centers and policies to reduce energy waste in buildings. Loper has managed energy efficiency programs and staff in more than 20 countries including China, India, Mexico, Eastern Europe, Thailand and Malaysia. He received a M.S. degree in Economics from Rensselaer Polytechnic Institute in 1995.

Speaker: Leena Srivastava

Leena Srivastava, Ph.D., is Executive Director at The Energy and Resources Institute (TERI), New Delhi and Senior Vice President of TERI-NA (The Energy and Resources Institute, North America), Washington, DC, USA. She has been the Dean, Faculty of Policy and Planning, TERI School of Advanced Studies, since June 2000 and she teaches doctoral courses in Energy Policy and Planning and Infrastructure Economics. From November 1992 to January 1994, she was the Vice-President, TERI-NA. Srivastava is a member of the Expert Committee to formulate Energy Policy set up by the Planning Commission, Government of India. She also serves on the Research Advisory Committee of IGES (the Institute for Global Environmental Strategies, Japan), the International Advisory Board of the Wuppertal Institute for Climate, Environment and Energy, Germany and is a

member of the Scientific Steering Committee of the IHDP-IT Programme (International Human Dimensions Programme - Industrial Transformation). She was a Coordinating Lead Author for Working Group III of the Third Assessment Report of the IPCC (Intergovernmental Panel on Climate Change) and is currently the Anchor for Sustainable Development and Climate Change for the Fourth Assessment Report. She has a number of publications to her credit and is on the editorial boards of several international journals dealing issues related to energy and the environment. Srivastava holds a Ph.D. in Energy Economics from the Department of Management Studies, Indian Institute of Science, Bangalore.

Speaker: Sergio Garribba

Professor Sergio Garribba, Advisor on Energy Policy for the Italian Ministry of Economic Development Sergio Garribba has founded consultancy and venture capital firms. He has also worked with businesses active in the service industry and in new technologies. He is a full professor of Nuclear Power Plants at the Milan Polytechnic, and was a researcher at the Massachusetts Institute of Technology in 1972-1973. Professor Garribba is the author, co-author, and editor of many books and articles on economics, technology, and science. From December 2006 to May 2008, he collaborated on the definition of policies and the implementation of programs in the field of energy and the environment with international organizations, governments, and business associations. He was the general director for Energy and Mineral Resources at the Ministry of Economic Development and a member of the Authority for Electric Energy and Gas. From January 1994 to December 1996, he held the position of Director of the Energy Department of the National Agency for New Technologies, Energy, and the Environment (ENEA). From 1987 to 1993 he was Director of Energy, Research, and Development Technologies of the International Energy Agency – OECD, Paris.

Keynote Speaker: Dr. Mohammed Waheed Hassan, Vice president of the Republic of Maldives

Dr. Mohamed Waheed was elected Vice President of Maldives on 28 October 2008. He is the first elected Vice President of the Maldives. Dr. Waheed is Leader of the Gaumee Itihaad party which formed alliance with the Maldives Democratic Party (MDP) in September. Dr. Waheed's political career began in 1998 when he ran the first Western-style election campaign and won the parliamentary seat for the largest constituency in the country.

Dr. Waheed is an experienced international civil servant who has worked in headquarters, regional and country offices of the United Nations. Until July 2008, he was UNICEF Country Representative in Turkmenistan. He served UNICEF as its Representative and head of mission in several countries. These include Acting Regional Director, UNICEF Regional Office for South Asia, Interim Representative of Afghanistan, Yemen and Montenegro, and Acting Representative in FYR Macedonia.

Dr. Waheed joined UNICEF in 1992 as Chief of Education for UNICEF in Tanzania. In 2002, he was appointed Special Representative in Afghanistan where he advised the Government of President Hamid Karzai and assisted in the coordination and rehabilitation of the education sector on behalf of the United Nations Assistance Mission for Afghanistan. In 2005, Dr. Waheed was appointed Associate Director of UN Development Group Office in New York where he was responsible for simplification and harmonization of the United Nations operational activities. In this capacity he served as Secretary of the UNDG Management Group, exercised oversight responsibilities for the setting up of the first UN Joint Office pilot and led the headquarters support to the UN Resident Coordinator system for Europe and the Middle East. Prior to joining UNICEF, Dr. Waheed was a Member of Parliament for Male' and served as Secretary of Education. While in government he served in the Office of the President and as member of Atolls Development Advisory Board, the Maldives Youth Council and the Council for Dhivehi Language and Literature. He had also worked as lecturer at Michigan State University and as a Programme Manager of HSQ Technology Incorporated USA, an information technology firm in San Francisco. Between 1991 and 1992, he worked with UNDP and UNESCO in Swaziland, Lesotho, Mozambique, Bangladesh, Fiji, and Western Samoa. Dr. Waheed received his PhD from Stanford University, USA, in 1987 specializing in the field of international development. He received MA in political science and MA in education from the same university. He completed his undergraduate studies at the American University of Beirut in 1976.

Dr. Waheed is married to Ilham Hussain and has three children. Their eldest daughter Widhath (32) is an architect and owns an IT firm in California, second daughter Fidha (28) is a PhD student in East West psychology at the California Institute of Integral Studies, and son Salim Waheed (22) is a final year student of political science at Stanford University.

Moderator: Vijay V. Vaitheeswaran

Vijay V. Vaitheeswaran is an award-winning correspondent for The Economist. He joined the staff as the London-based Latin America Correspondent in 1992. He opened its first office in that region in Mexico City, and served as bureau chief until 1997. From 1998 to 2006, he covered the politics, economics, business and technology involved in the inter-related fields of energy and environment. His portfolio now encompasses global health, pharmaceuticals, biotechnology, and innovation. Vijay is an expert advisor on clean energy and innovation to the World Economic Forum (Davos) and the Clinton Global Initiative, and has been elected a life member of the Council on Foreign Relations. He teaches at NYU's Stern Business School, and has lectured at Yale, Oxford, Harvard and other leading universities. He has had the honor of addressing groups ranging from the U.S. National Governors' Association and the Clinton Global Initiative to the World Energy Council, TED and Google. Vijay is also a frequent commentator on NPR, in the Wall Street Journal and New York Times, and at other media outlets.

Vijay's latest book, *ZOOM: The Global Race to Fuel the Car of the Future*, co-authored with Economist colleague Iain Carson, has been named a Book of the Year by the Financial Times. He is also the author of another well-received book, *Power to the People*. Harvard's John Holdren, reviewing the book in *Scientific American*, called it "by far the most helpful, entertaining, up-to-date and accessible treatment of the energy-economy-environment problematique available." Vijay's writings have received various prizes in America and abroad. He holds a degree in mechanical engineering from the Massachusetts Institute of Technology. He was born in India, and grew up in Connecticut. He now lives in New York.

Speaker: Steen Gade

Steen Gade, born April 9th 1945 in Trolldhede, son of senior teacher Ejnar Steensgaard Gade and housewife Astrid Gade. Parliamentary Career Chairman of the Folketing's Foreign Affairs Committee, 2005-2007. Chairman of the Folketing's Environment and Regional Planning Committee, 1994-1999 and from 2007. Vice-chairman of the parliamentary group of the Socialist People's Party from 1990 and group chairman, 1991-1997. Member of the Folketing's European Affairs Committee, 1982-1997. Member of the Folketing for the Socialist People's Party in Funen County constituency, September 21st 1994 - May 28th 1999, and in Ringkøbing County constituency, December 8th 1981 - September 21st 1994. The Socialist People's Party's candidate in Skive nomination district from 2005, in Odense East nomination district, 1994-1999, in Herning nomination district, 1977-1994, in Skjern nomination district, 1975-1977, in Odense South nomination district, 1973-1975, and in Middelfart nomination district, 1971-1973. Education and Profession Teacher at Herning Teacher Training College 1969. Matriculated from Thisted Upper Secondary School, 1964. Primary ('Folkeskole') and intermediate school, Thisted Borger School, 1952-1961. Director of the Danish Environmental Protection Agency, 1999-2003. Consultant, the Socialist Educational Association (SFOF), 1979-1981. Primary school teacher, 1969-1979. Affiliations Member of the board of directors of the newspapers 'Minavisen' and 'Socialistisk Dagblad', 1975-1980, chairman 1980-1981. Chairman of the publishing house 'Socialistiske Perspektiver', 1982-1985. Chairman of Socialist Educational Association (SFOF), 1982-1989. Member of the board of representatives of the Danish Association for International Co-operation from 1982. Chairman of the Socialist People's Party in Odense, 1971-1974. Member of the party's central board, 1972-1974 and again from 1978, and of the party's executive committee, 1982-1984 and from 1991. Initiative-taker in the establishment of the organisation New Europe ('Nyt Europa'), 1998. Member of the governing body of the European Environment Agency, (EEA) 1999-2003, and vice-president of EEA's Management Board 2001-2003. Member of the Nordic Council's Environmental Awards Committee, 1999-2003. Member of the management committee of the Danish Association for International Co-operation, 2004-2005. Chairman of 'Elfors Energisparepulje' from 2004. Member of the board of representatives of CARE from 2005. Publications and Awards »Europas fremtid – ved dæmonernes port«, (The Future of Europe – at the Gate of the Demons), 1994, a controversial book on Europe written in collaboration with Ove Fich, Peter Duetoft, and Carl Otto Brix. »Gades Europa« (Gade's Europe), 2004. In addition, a number of newspaper articles and contributions to anthologies, chiefly on the environment and foreign policy issues.

Speaker: Santiago Seage Abengoa

Since 2006 Santiago is the Chairman and CEO of Abengoa Solar, an international solar power company very active in both concentrating solar power (CSP) and photovoltaics. Abengoa Solar has over 300 employees in several countries and focuses on developing new technologies through a large in-house R&D team, designing, developing, building and operating large solar power plants using CSP and photovoltaic technologies. Currently Abengoa Solar is developing and building solar plants in Europe, the United States, Northern Africa, the Middle East and Asia. Until January 2009 Santiago was also responsible for Strategy and Corporate Development for Abengoa. Abengoa is a quoted 5 billion dollars technology company that applies innovative solutions for sustainable development in the energy, environmental and infrastructure sectors.

McKinsey & Company. 1997-2005, previously, from 2001 until 2005 he was a partner with the strategy and management consulting firm McKinsey & Company. He was responsible for client relationships in several sectors in Spain, Southern Europe, Northern Africa and Latin America. From 1997 until 2001 he was consultant and project manager with McKinsey & Company. Procter & Gamble, 1992-1997, before that, he spent five years with the consumer goods multinational Procter & Gamble working in several positions in Spain and the Middle East. Santiago holds a Business Administration degree from Icade University in Madrid, Spain

Speaker: Saïd Mouline

Né en 1963, M. Saïd Mouline est ingénieur spécialisé dans les secteurs de l'énergie et de la protection de l'environnement, diplômé de l'Institut National Polytechnique de Grenoble et de l'Université de Pennsylvanie à Philadelphie. Depuis 1989, date à laquelle il a intégré le Ministère marocain de l'Energie et des Mines, il a été conseiller du Ministre de l'Energie et des Mines, puis Directeur Scientifique et Technique du Centre de Développement des Energies Renouvelables (CDER). Il a, en 1996, rejoint le secteur privé (groupe Finance.com) où il a occupé plusieurs postes, toujours dans le domaine de l'énergie et de l'environnement. Il a été pendant la même période en charge du programme QualitAir à la Fondation Mohammed VI pour la Protection de l'Environnement.

Impliqué dans le monde associatif, M. Mouline préside la Commission Environnement à la Confédération Générale des Entreprises du Maroc (CGEM) ainsi que le Centre Marocain de Production Propre. Membre de la Fédération de l'Energie et Président de l'Association Marocaine des Industries Solaires et Eoliennes (AMISOLE), il a aussi été consultant pour plusieurs organismes nationaux et internationaux. Saïd Mouline est marié et père de deux enfants

Speaker: Hélène Pelosse

Hélène Pelosse is Deputy Head of Staff in charge of international affairs in the Private Office of the French Minister of State in charge of Ecology, Energy, Sustainable Development and Town and Country Planning. Graduate of both the Ecole Nationale d'Administration (ENA) and ESSEC Business School of Management, Mrs Pelosse has a rich and diverse experience : Mrs Pelosse began her career in the prestigious "General Inspectorate for Finances" in the French Ministry of Finance. In 1999- 2000, Mrs Pelosse worked in the United States as Director of Strategy at Saint-Gobain Group in Worcester, Ma. From 2001 to 2005, she was Financial, later Trade Adviser in the French Prime Minister's Office. During the German Presidency of the EU, Mrs Pelosse was adviser in Angela Merkel's private office (Department for European Affairs). Born 5 March 1970 in Montréal, Canada, Mrs Pelosse is married and has 3 children.

Speaker: Irene Freudenschuss-Reichl, Director General for Development Cooperation, Foreign Ministry of Austria

Irene Freudenschuss-Reichl has been a member of the Austrian Diplomatic Service since 1982. Over the last several years, she has mainly worked in the area of economic and social development, environment, energy, and development cooperation. She has held numerous international bureau functions. From 1995 to 1998 she was the director of the international department of the Austrian Ministry for the Environment. From 1998 to 2001 she was Austria's Permanent Representative to the

UN in Vienna. From 2001 to 2004 she headed the UNIDO Office in New York in the rank of an Assistant Director General. Since 1 January 2005 she is in charge of Austria's development cooperation as Director General in the Ministry for Foreign Affairs. Irene Freudenschuss-Reichl founded the Global Forum on Sustainable Energy (GFSE) in 1999 and acted as Convenor for the GFSE's five global meetings (www.gfse.at). She has published various articles on global issues in Austrian and international scholarly and mainstream publications as well as a book ("zukunftsfähig leben – Spiritualität und Praxis der Nachhaltigkeit". KSOe 2005; Freudenschuss-Reichl/Bayer, [Entwicklungspolitik und Entwicklungszusammenarbeit](#), March, 2008). She has training and practice in spiritual direction and adult education.

Speaker: Ariq Banouri

Tariq Banuri has broad experience on the interface between policy, research, and practical actions on the realization of the goal of sustainable development. He has worked in government, academia, civil society, and the international system. Before joining the United Nations, he was Senior Fellow and Director of the Future Sustainability Program at the Stockholm Environment Institute. He started his career in the Civil Service of Pakistan, went on to receive a PhD in Economics from Harvard University, joined the United Nations as a Research Fellow at the World Institute for Development Economics Research (WIDER), a model that he adopted in setting up and serving as the founding Executive Director of the Sustainable Development Policy Institute (SDPI) in Pakistan. He has served on national as well as international forums for policy, advocacy, and research, including as a Coordinating Lead Author on the Nobel Prize-winning Inter-governmental Panel on Climate Change (IPCC), as member of the board of governors of Pakistan's central bank, and of the Pakistan Environmental Protection Council, and member/secretary of Pakistan's Presidential Steering Committee on Higher Education. He has also served as the chair of the Board of Governors of the International Centre for Trade and Sustainable Development (ICTSD), and was a founding member of the Great Transition Initiative (GTI).