

# Green Industry

*for a Low-Carbon Future*



## VIENNA ENERGY CONFERENCE

22-24 JUNE 2009

BIOGRAPHIES OF PANELISTS

[www.viennaenergyconference.org](http://www.viennaenergyconference.org)



UNITED NATIONS  
INDUSTRIAL DEVELOPMENT ORGANIZATION

Austrian  
Development Cooperation



International Institute for  
Applied Systems Analysis



## OPENING CEREMONY

### Opening Speeches and Keynote Address

#### H.E. Ms. Irene Freudenschuss-Reichl

*Director General, Austrian Development Cooperation, Federal Ministry for European and International Affairs, Austria*

Freudenschuss-Reichl has been a member of the Austrian Diplomatic Service since 1982. She has mainly worked in the area of economic and social development, environment, energy, and development cooperation. From 1995 to 1998 she was Director of the International Department of the Austrian Ministry for 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 2005, she is in charge of Austria's Development Cooperation as Director General in the Ministry for Foreign Affairs. She founded the Global Forum on Sustainable Energy (GFSE) in 1999 and acted as Convenor for eight global meetings.

#### H.E. Ms. Brigitte Öppinger-Walchshofer

*Managing Director, Austrian Development Agency, Austria*

Öppinger-Walchshofer has been professionally engaged in foreign affairs for more than 20 years, with frequent assignments abroad. After studying economics at the University of Vienna and completing her training at the Diplomatic Academy of Vienna, she joined the Austrian Foreign Ministry in 1983. From 1994 to 1997, she headed its Africa Sub-Sahara Unit (II.4a) and then acted as Deputy Head of Mission in London. In 2001, she was appointed Ambassador to Ethiopia in Addis Ababa. Before taking over as Managing Director of the Austrian Development Agency, the Operational Unit of the Austrian Development Cooperation, in November 2007, Öppinger-Walchshofer headed the Department for Internal Audit in the Federal Ministry for European and International Affairs in 2006.

#### Mr. Detlof von Winterfeldt

*Director, International Institute for Applied Systems Analysis (IIASA)*

Winterfeldt is on leave from the University of Southern California (USC), where he is a Professor of Industrial and Systems Engineering and a Professor of Public Policy and Management. Concurrently with his term at IIASA, he is visiting the London School of Economics and Political Science as a Centennial Professor in the Operational Research Group of the School of Management. In 2004, he co-founded the National Center for Risk and Economic Analysis of Terrorism Events (CREATE) serving as Director until 2008. He is the author or co-author of over 100 journal articles and book chapters and, co-author of two books as well as two edited volumes.

#### Mr. Kandeh Yumkella

*Director General, United Nations Industrial Development Organization (UNIDO)*

Yumkella joined UNIDO in 1996 as Special Advisor to the then Director-General. In the same year, he became Director of the Africa and Least Developed Countries Regional Bureau. From 2000 to 2003 he went to Nigeria as UNIDO Representative and Director of the Regional Industrial Development Centre. From then until his election as Director-General he was a Senior Advisor to the previous Director-General. Prior to joining UNIDO 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. 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.

#### Mr. Srgjan Asan Kerim

*Special Envoy on Climate Change to the United Nations Secretary-General*

Kerim is a former President of the 62nd Session of the United Nations General Assembly. He has been serving as General Manager for South-Eastern Europe of the WAZ Media Group since 2006. In 2004, he was appointed Chairman of the Board of Politika Newspapers and Magazines in Belgrade and in 2003, General Manager of Media Print Macedonia in Skopje. From 2001 to 2003, he played the role of Permanent Representative of the Republic of Macedonia to the United Nations in New York City. He was Foreign Minister of the Republic of Macedonia in 2000-2001.

#### Mr. Rajendra K. Pachauri

*Director-General, The Energy and Resources Institute (TERI) and Chairman, Intergovernmental Panel on Climate Change (IPCC)*

Pachauri assumed his responsibilities as the head of TERI in 1981, and as its current Director-General since April 2001. He has been selected as Chairman of the Intergovernmental Panel on Climate Change (IPCC) since April 2002. Pachauri has been active in several international forums dealing with the subject of climate change and its policy dimensions. He obtained a PhD in Industrial Engineering and a PhD in Economics from North Carolina State University. He has also authored 21 books and several papers and articles. Pachauri also serves as the head of the Energy and Resources Institute, a developing country institution devoted to sustainable development.

### High-level Panel: "An Integrated Energy Agenda Beyond 2020"

#### Mr. Todd Benjamin

*Former CNN International Financial Editor*

Benjamin worked for CNN for 26 years, based in Washington D.C., New York, Tokyo, and London. He is an award-winning journalist, and has interviewed many politicians and CEOs. He is now a senior advisor to Xynteo, an international management consultancy whose clients include Gazprom, Wilhelmsen, Deutsche Bank and others. Benjamin is also a visiting lecturer in leadership at the London Business School Executive Education program. He devotes much of his time to speaking at and moderating in conferences and events for businesses and organizations around the world.

#### Mr. Suleiman Jasir Al-Herbish

*Director-General, OPEC Fund for International Development (OFID)*

A former Assistant Deputy Minister, Al-Herbish has also served as chairman and member of the Board of Directors of several Saudi enterprises. In 1990 he was appointed Governor for Saudi Arabia at OPEC (Deputy Minister's rank), a position he held until taking office as OFID Director-General in November 2003. Al-Herbish holds a BA in Economics and Political Science from the University of Cairo, and an MA in Economics from Trinity University, San Antonio, Texas. Al-Herbish is also a member of the Board of Trustees of Arab Forum for Environment and Development (AFED).

H.E. Mr. André Maia Mattoso Amado

*Vice-Minister for Energy, Science and Technology and Cooperation issues, Ministry of Foreign Affairs, Brazil*

Amado has been Vice-Minister at the Ministry of Foreign Affairs since October 2008. He was Ambassador of Brazil to Japan (2005-08) and to Peru (2001-05). He was Director of the Brazilian Diplomatic Academy (Instituto Rio Branco) from 1995 to 2001. Ambassador Amado joined the Foreign Service in 1970 and has also served in Washington, Montevideo, Paris and Madrid.

Mr. Corrado Clini

*Director General, Global Environment International and Regional Convention, Ministry of Environment and Protection of Land and Sea, Italy*

Clini graduated in Medicine at the University of Parma and directed the Department of Environmental Protection and Industrial Medicine of Venice-Porto Marghera in the 1980s. He headed the Italian expert-level delegation at the Rio Conference in 1992 and the Kyoto Conference in 1997. In 2000-2001 he was Co-Chair of the G8 Task Force on Renewable Energy. Clini is the Co-Chair of the European Environmental and Health Committee of the United Nations Economic Commission for Europe. Since 2006, he is Chairman of the Global Bioenergy Partnership. Clini is a visiting professor at Tsinghua University (Beijing) and at Harvard's Kennedy School of Government.

H.E. Mr. Jordy Herrera

*Secretary of Energy, Mexico*

Mr. Manfred Konukiewitz

*Deputy Director General, Global and Sectoral Policies and Commissioner for Climate Policy, Federal Ministry for Economic Cooperation and Development, Germany*

Konukiewitz currently heads the directorate for global and sectoral policies in development cooperation. Before his recent appointment, he directed the division for water, energy, and urban development for several years. In this capacity, he was involved in design and implementation of the German government's "Sustainable Energy for Development" programme. Before joining the Ministry, Konukiewitz was seconded to the United Nations Environment Programme (UNEP) as Senior Advisor to Under-Secretary-General Klaus Toepfer. Prior to this, he worked at the German Federal Ministry for Regional Planning, Building and Urban Development. Konukiewitz is a graduate of the Free University of Berlin and Indiana University, USA and received his Ph.D. in Political Science.

Mr. Ján Kubiš

*Executive Secretary, United Nations Economic Commission for Europe*

Kubiš served as Minister for Foreign Affairs of Slovakia from 2006 to January 2009, as Chairman of the Committee of Ministers of the Council of Europe from 2007 to 2008, and as Secretary-General of the Organization for Security and Cooperation in Europe (OSCE) from 1999 to 2005. He was the European Union's Special Representative for Central Asia with the office in Brussels from 2005 to 2006. In 2000, he was the Personal Representative of the Chairman-in-Office of OSCE for Central Asia, and from 1994 to 1998, Director of OSCE's Conflict Prevention Centre. From 1998 to 1999, he was Special Representative of the Secretary-General for Tajikistan and Head of the United Nations Mission of Observers in Tajikistan. Kubiš graduated at the Moscow State Institute of International Relations.

H.E. Mr. Mohamed Maalim Mahamud

*Assistant Minister for Energy, Kenya*

## **PLENARY SESSION 1: "THE GLOBAL ENERGY CHALLENGES OF THE 21<sup>ST</sup> CENTURY"**

Mr. Todd Benjamin

*Former CNN International Financial Editor*

Please refer to *High-level Panel: "An Integrated Energy Agenda Beyond 2020"*.

Mr. Fatih Birol

*Chief Economist, International Energy Agency (IEA)*

Birol is the Chief Economist and the Director of the office responsible for the economic analysis of energy policy at the IEA. He oversees the annual World Energy Outlook and is responsible for the recently founded IEA Energy Business Council. Birol has received many awards in recognition of his work on energy issues, the most recent one being the Golden Honour Medal of the Austrian Republic. Prior to joining the IEA in 1995, Birol worked for six years at the Organisation of the Petroleum Exporting Countries (OPEC) in Vienna. Birol received his MSc and PhD in energy economics from the Technical University of Vienna.

H.E. Mr. Ogunlade Davidson

*Minister of Energy and Water Resources, Sierra Leone*

Before joining the Ministry, Davidson was Director of Research at the University of Sierra Leone, Head of Department of Mechanical and Maintenance Engineering and Dean of the Faculty of Engineering. He is Vice-Chair of the Intergovernmental Panel on Climate Change (IPCC), and Co-Chair of the Steering Committee of the Global Network on Energy for Sustainable Development (GNESD). Between 2000 and 2003, he was Professor and Director of the Energy and Development Research Centre (EDRC) of the University of Cape Town, South Africa. He has published extensively focusing on African Energy Systems and Policies, power sector reform, renewable energy policy, mitigation of climate change and on the National Climate Change strategy.

Mr. Ged Davis

*Co-President, Global Energy Assessment (GEA) Council*

Until 2007 Davis was managing director of the World Economic Forum, responsible for global research, scenario projects, and the design of the annual Forum meeting at Davos. Before joining the Forum, Davis spent 30 years with Royal Dutch/Shell. Davis is a member of the InterAcademy Council Panel on "Transitions to Sustainable Energy", a director of Low Carbon Accelerator Limited, a governor of the International Development Research Centre in Ottawa and a member of the INDEX Design Awards Jury. He has led a large number of scenario projects during his career, including for the World Business Council for Sustainable Development, and was facilitator of the last IPCC emissions scenarios.

Mr. Douglas Gardner

*Deputy Assistant Administrator and Deputy Director of the Bureau for Development Policy, United Nations Development Programme (UNDP)*

Mr. Nebojsa Nakicenovic

*Deputy Director, International Institute for Applied Systems Analysis (IIASA) and Professor of Economics, Vienna University of Technology*

Nakicenovic was Convening Lead Author of the IPCC Special Report on Emissions Scenarios, 1997 to 2000, Lead Author of Third Assessment Report of the IPCC, 1999 to 2001, Convening Lead Author of the World Energy Assessment, 1999 to 2000, Guest Professor at the Technical University of Graz, 1993-2003, Coordinating Lead Author of the Millennium Ecosystem Assessment, 2003 to 2005 and Coordinating Lead Author of Fourth Assessment Report of the IPCC, 2002 to 2007. He has been the leader of various research programs at IIASA including the Transitions to New Technologies Program, 2000 to 2008 and the Energy Program, 2006 to 2008.

Mr. Kande Yumkella

*Director General, United Nations Industrial Development Organization (UNIDO)*

Please refer to *Opening Speeches and Keynote Address*.

Mr. Daniel H. Bouille

*Vice President, Institute of Energy Economics, Bariloche Foundation, Argentina*

Prof. Bouille's academic background includes post-graduate studies in Energy Economics. Presently he focuses on research and technical assistance related to climate change issues. He was National Coordinator of the Argentine Report on Greenhouse Gas Mitigation in the Energy Sector, and served as Coordinator of numerous projects including "Study on Flexibility Mechanisms within the Context of the United Nations Framework Convention on Climate Change and the Kyoto Protocol"; "Study of the Andean Pact: the Benefits of the Integration on Greenhouse Gas Emissions"; and Energy Study to fix the Argentine Voluntary Commitment. Bouille is also Lead Author of the IPCC Working Group III Third Report.

Ms. Marianne Haug

*Lecturer, University of Hohenheim, Germany and Senior Research Advisor, Oxford Institute of Energy Studies, United Kingdom*

Haug teaches Energy Policy and Sustainable Development at the University of Hohenheim, is Chairman of the Board of the Forum für Zukunftsenergien, Berlin and Member of the Advisory Board of the OMV Future Energy Fund. At the European Commission, she serves as Chair of the Advisory Group for Energy for the 7th Framework Programme and is a member of the High-level Advisory Council for the European Technology Platform on Hydrogen & Fuel Cell. During 2001-2005, she served as Director at the International Energy Agency in charge of Energy Efficiency, Technology and R&D, following a long career as Director at the World Bank in Washington and in the private sector.

Mr. Thomas B. Johansson

*Professor of Energy Systems Analysis and Director of the International Institute for Industrial Environmental Economics, Lund University, Sweden*

Johansson obtained his Ph.D. in nuclear physics from the Lund Institute of Technology. From 1994 to 2001, he was Director of UNDP's Energy and Atmosphere Programme and served on the Editorial Board of the World Energy Assessment (1998-2000). In 2000, he was jointly awarded the Volvo Environment Prize for the book Energy for Sustainable Development. Johansson is also the International Co-Chairman of the Working Group on Energy Strategies and Technologies of the China Council on International Cooperation for Environment and Development, Chairman of the Board of the International Energy Initiative, and a Convening Lead Author of the Second Assessment Report of the IPCC.

Mr. Li Zheng

*Professor, Department of Thermal Engineering and Director, Tsinghua BP Clean Energy Research and Education Center, Tsinghua University, PR China*

Mr. Kirk R. Smith

*Professor of Global Environmental Health, University of California, Berkeley, United States of America*

Smith holds the Maxwell Endowed Chair in Public Health at the University of California, Berkeley. He is also founder and coordinator of the campus-wide Masters Program in Health, Environment, and Development. Previously, he was founder and head of the Energy Program of the East-WestCenter in Honolulu. His research work focuses on environmental and health issues in developing countries, particularly those related to health-damaging and climate-changing air pollution. He serves on a number of scientific advisory and editorial boards and has published over 200 scientific articles and 7 books. In 1997 he was elected member of the US National Academy of Sciences.

## **PLENARY SESSION 2: "ENERGY STRATEGIES TO COMBAT CLIMATE CHANGE"**

Mr. Anders Wijkman

*Member, European Parliament*

Wijkman has been active on environmental and development issues for many years. As a member of the European Parliament from 1999 to 2009, he focused on industry, trade, and energy. His previous posts include Assistant Director of the Bureau for Policy and Program Support with the U.N. Development Program, and Director General of the Swedish Agency for Research Cooperation with Developing Countries. A member of the Swedish government's environmental council since 1991, he currently chairs a committee reviewing Swedish foreign aid from the perspective of Agenda 21. He has written books on disasters, development, the environment, and HIV/AIDS.

Mr. Rangan Banerjee

*Professor, Department of Energy Science and Engineering, Indian Institute of Technology (IIT), Mumbai, India*

Banerjee areas of interest include energy management, modeling of energy systems, energy planning and policy, and hydrogen energy and fuel cells. He was Associate Dean (R&D) of IIT from 2003-2006. He has more than 20 years of work experience in the field of energy. Amongst others, he has worked for TERI, Engineers India Limited and the India Gandhi Institute for Development Research, before joining the faculty of Energy Systems Engineering in 1993. He is also an Adjunct faculty (Honorary) at Carnegie Mellon University. He has co-authored a book on Planning for Demand Side Management in the Power sector and a book on Energy Cost in the Chemical Industry.

Ms. Suani T. Coelho

*Professor, Brazilian Reference Center on Biomass (CENBIO), Brazil*

Coelho is a professor and thesis advisor at the Energy Graduation Program of the University of São Paulo. She was the Deputy Secretary for the Environment of São Paulo State and is Executive Secretary of CENBIO. Coelho has coordinated technical, economic, environmental and institutional studies on biomass for energy subjects with Brazilian and foreign institutions, including Federal and State Government. She has participated in the development of the Brazilian Energy Initiative, and published several papers and attended national and international conferences. Her research focus is the energy production from biomass. Coelho obtained her Master and PhD from University of São Paulo on Mechanisms for the Implementation of Biomass-origin Cogeneration.

Mr. Christoph Frei

*Secretary General, World Energy Council (WEC)*

Frei has a Ph.D. in Energy Policy / Sustainable Development from Ecole Polytechnique Federale de Lausanne (EPFL) in Switzerland. He is also Professor of International Energy Policy and Strategy at the EPFL since 2006 and holds diplomas in econometrics, electrical engineering, energy systems and applied ethics. From 2001 to 2008, whilst serving as Senior Director, Energy Industry & Strategy at the World Economic Forum in Geneva, Frei was in charge of all energy related aspects of the Forum. He directed multi-stakeholder projects in the areas of energy security, energy poverty, sustainable cities, biofuels, and anti-corruption.

Mr. Keywan Riahi

*Acting Program Leader, Energy (ENE) Program, IIASA and Visiting Professor, Graz University of Technology, Austria*

Riahi is a Senior Research Scholar in both the Energy and the Transitions to New Technologies Programs at IIASA. Since 1998 he has served as a Lead Author to various Assessment Reports of the Intergovernmental Panel on Climate Change (IPCC), including the IPCC's Third and Fourth Assessment Reports, the IPCC's Special Report on Emissions Scenarios (SRES), and the Special Report on CO<sub>2</sub> Capture and Storage (SRCCS). Riahi serves on the Executive Committee of the Global Energy Assessment. His work within international modeling comparison projects focuses on the spatial and temporal characteristics of technology diffusion and the path-dependent development of the energy system under alternative policy configurations.

H.E. Mr. Lamine Thioune

*Director of Energy, Ministry of Energy and Biofuels, Senegal*

Ms. Diana Ürge-Vorsatz

*Professor and Director, Center for Climate Change and Sustainable Energy Policy (3CSEP), Central European University, Hungary*

Ürge-Vorsatz conducted her Ph.D. studies at the University of California and holds an MS in Physics from Eotvos University. She acted as Coordinating Lead Author for the Fourth Assessment Report of the IPCC for the chapter on "Climate Change Mitigation in Buildings", served on the United Nation's Scientific Expert Group on Climate Change, and is presently leading the buildings-related work in the Global Energy Assessment. She has worked on and directed several international research projects including for the European Commission, the World Energy Council and the World Bank. She was awarded the Hungarian President's Award in 2008.

Mr. Robert Williams

*Senior Research Scientist, Princeton University, United States of America*

Williams heads the Energy Systems/Policy Analysis Group. Under Princeton Environmental Institute's BP/Ford-supported Carbon Mitigation Initiative (CMI), he also leads the Carbon Capture Group. He is involved in intensive research collaboration with a group in the Thermal Engineering Department at Tsinghua University in Beijing that is exploring clean energy technologies and strategies for China based on coal and biomass gasification. Trained as a physicist (BS, physics, Yale, 1962; PhD, theoretical plasma physics, UC Berkeley, 1967), Williams joined Princeton University's Center for Energy and Environmental Studies in 1975 and PEI in 2001.

## **PLENARY SESSION 3: "TOWARDS A SUSTAINABLE, LOW-CARBON PATH TO DEVELOPMENT"**

H.E. Ms. Irene Freudenschuss-Reichl

*Director General, Austrian Development Cooperation, Federal Ministry for European and International Affairs, Austria*

Please refer to *Opening Speeches and Keynote Address*.

H.E. Mr. Arístides Fernández Zucco

*Secretary of State and President of the National Commission of Energy, Dominican Republic*

Zucco graduated in Civil Law, and has had an intense and active political and public career, which has allowed him to occupy diverse and high positions. At the age of 20 he was the Secretary of Press and Propaganda of the Youth Social Christian Reformist (JRSC). He was elected Deputy of the Dominican Republic in two consecutive periods, from 1986 until 1994, and held diverse positions in the Latin-American Parliament. He is a member of the Managing Committee of the Latin-American Energy Organization (OLADE).

Mr. Christopher Flavin

*President, Worldwatch Institute*

Flavin has spent his career at Worldwatch where he previously served as Senior Vice President and Vice President for Research. He is a founding member of the Board of Directors of the Business Council for Sustainable Energy and serves as a board member of the Climate Institute and the Institute for Global Environmental Strategies in Japan. He is on the advisory boards of the American Council on Renewable Energy, and the Environmental and Energy Study Institute. He is also a member of the Greentech Innovation Network, an initiative of Kleiner Perkins Caufield & Byers. He has lectured at American University, Duke University, George Washington University, Harvard University, Stanford University, and Williams College.

Ms. Melinda L. Kimble

*Senior Vice President, United Nations Foundation*

Kimble is a senior vice president, and oversees the International Bioenergy Initiative of the UN Foundation, which she joined in May 2000. Prior to the Foundation, Kimble served as a state department foreign service officer, attaining the rank of minister-counselor. She served in policy-level positions in the Bureau of Economic and Business Affairs, overseeing multilateral development issues and debt policy; in the Bureau of Oceans, International Environment and Scientific Affairs (OES), leading environmental negotiations (e.g., Climate Change Conference, Kyoto, Japan, 1997). Her assignments abroad include Cote d'Ivoire, Egypt and Tunisia. She holds Masters degrees in Economics (University of Denver) and Public Administration (Kennedy School of Government, Harvard University).

Ms. Marianne Moscoso-Osterkorn

*Director General, Renewable Energy & Energy Efficiency Partnership's (REEEP)*

Moscoso-Osterkorn has headed REEEP since 2004 and is responsible for the partnership's global operational management. Prior to joining REEEP, she served as Head of the Executive Office of Austrian Power Trading, a subsidiary of Verbund, Austria's largest utility, where she was Head of Organizational Development and Divisional Manager for International Relations. In this role she was active in the development of the EU renewable directive and the European renewable certificate system (RECS). In 2003 she was elected President of RECS International and was honored as one of the key women in European energy in 2003. Moscoso-Osterkorn obtained a Ph.D. in business administration at the University of Economics in Vienna.

Mr. Karsten Sach

*Chairman, Administrative Committee of International Renewable Energy Agency (IRENA), Deputy Director General, International Cooperation, Ministry for the Environment, Germany*

Sach, born 1959 in Gruberhagen, Germany, studied law in Kiel and Freiburg and obtained his Ph.D. at the Free University of Berlin in 1993. In 1991 he joined the German Federal Ministry for the Environment, Nature Conservation and Nuclear Safety as consultant for the protection of the marine environment. As consultant for international climate protection, Sach led the negotiations for Germany at the Conferences of the Parties of the United Nations Framework Convention on Climate Change from 1995 to 2004.

Mr. Anders Wijkman

*Member, European Parliament*

Please refer to *Plenary Session 2: "Energy Strategies to Combat Climate Change"*.

## **PARALLEL SESSION 1: "RENEWABLE ENERGY"**

Mr. Mark Radka

*Chief, Energy Branch, United Nations Environment Programme (UNEP)*

Radka is the overall manager of UNEP's efforts to link the global energy and environment agendas, much of which involves building partnerships between industry, governments, NGOs, and other groups. He has a special interest in the technology needs of developing countries, and was a coordinating lead author of the Special Report on Methodological and Technological Issues in Technology Transfer issued by the Intergovernmental Panel on Climate Change. Before joining UNEP, Radka worked as a consultant to the U.S. Environmental Protection Agency and the World Bank. His career began as a U.S. Peace Corp volunteer in Thailand.

Mr. Mark Davis

*Investment Director, Norfund, Norway*

At Norfund, Davis is responsible for renewable energy investments. Prior to joining Norfund, he was employed at ECON Analysis working on energy-related consulting assignments, primarily in developing countries. His main area of experience is power sector reform and regulation, including economic and financial due diligence of investment projects and the CDM. He has worked extensively in Southern and East Africa, as well as selected countries in Asia and Latin America. Davis is Director of SN Power Invest and Tronder Power Limited. He has a PhD in energy economics from the University of Sussex, and earlier degrees in mathematics and applied science from the University of Cape Town.

Mr. Samai Jai-In

*Energy Specialist, MTEC and Energy Standing Committee, House of Representatives, Thailand*

Jai-In has been actively promoting bioenergy in Thailand and the region for the past decade. He was involved in extensive research and development programs in the Royal Thai Naval Dockyard Department and has been part of the National Ethanol Committee (2000 - 2005), National Biofuel Development and Promotion Committee (2005 - 2006), and the Energy Standing Committee of the House of Parliament (2001 - 2006). Since 2006 he has been seconded to the National Metal and Materials Technology Center in the Ministry of Science and Technology in the capacity of Energy Specialist. He also serves as Technical Advisor to the Defense Energy Department, the Ministry of Agriculture and Co-operatives as well as the Renewable Energy Institute Foundation of Thailand.

Mr. Hongpeng Liu

*Economic Affairs Officer, Energy Security Section, Environment and Sustainable Development Division, United Nations Economic and Social Commission for Asia and the Pacific (ESCAP)*

Liu has been working for the Energy Security Section of the United Nations Economic and Social Commission for Asia and the Pacific as an Economic Affairs Officer since 2003. His work includes the formulation and management of the implementation of plans for regional cooperation on energy security, renewable energy, climate change and the organization of legislative and technical meetings and group training for countries of Asia and the Pacific region. Before joining ESCAP, Liu worked for the central government of China in various capacities in renewable energy and environment policy formulation, planning and implementation.

Mr. Markku Nurmi

*Director General, Ministry of the Environment, Finland*

In addition to his work for the Ministry of the Environment in Finland, Nurmi is the Chairman of the Energy and Environment Partnership with Central America, EEP. He works as Editor in Chief of an environment magazine (Ympäristö) and is member of the European Environment Agency EEA Management Board. Nurmi is a Doctor of Technology (Industrial Economy).

Mr. Mustapha Taoumi

*Director, Development Centre for Renewable Energy (CDER), Morocco*

## **PARALLEL SESSION 2: “ENERGY ACCESS FOR PRODUCTIVE USES”**

Mr. Minoru Takada

*Head, Sustainable Energy Program, Environment and Energy Group, United Nations Development Program (UNDP)*

As head of UNDP's Sustainable Energy Program, Takada is in charge of the corporate policy orientation of UNDP's energy work. Particular emphasis of his work has been on expanding access to energy services for poor men and women in Least Developed Countries and Sub Saharan Africa through decentralised energy options, which currently stands at US\$ 350 million in terms of UNDP's overall project portfolio. He worked in Africa for 6 years, prior to joining UNDP's Policy Bureau in New York.

Mr. Abeeku Brew-Hammond

*Professor, Kwame Nkrumah University of Science and Technology (KNUST), Ghana*

Until recently, Brew-Hammond served as Manager of the Global Village Energy Partnership (GVEP) Technical Secretariat. He previously also served as the Director of KITE, a Ghana-based non-governmental organization with a regional outlook specializing in energy policy and project development. He joined KNUST as an Assistant Lecturer in 1980 and was promoted to the rank of Associate Professor in 1998. From 2002 – 2004, he served as Head of the Department of Mechanical Engineering. Brew-Hammond has a DPhil in Science and Technology Policy Studies from Sussex University as well as Master's and Bachelor's degrees in mechanical engineering from McGill University (Canada) and KNUST, respectively.

Mr. Adam Kighoma Ali Mamila

*Deputy Minister for Energy and Minerals, Tanzania*

Mr. Harry Verhaar

*Senior Director Energy & Climate Change at Philips Lighting*

Verhaar heads the global Energy Efficiency program (also called 'Green Switch'). He has in the past four years been the architect of the lighting strategy on energy and climate change, which has resulted in a pro-active industry position on phasing out of old lighting technologies for street lighting; office & industry lighting and residential lighting. This program has been included in the EU Heads of State declaration on March 2007. Previously Verhaar was responsible for the marketing activities of the professional lamps activities in Europe. Before this he was commercial manager of the professional lighting activities in Latin America.

Mr. Andrew Yager

*Andrew Yager, Officer-in Charge, Water, Energy and Strategies Branch, UN DESA Division for Sustainable Development*

Prior to joining UN DESA, Yager was Sustainable Energy Policy Advisor for UNDP, working on energy access, climate change mitigation and alternative energy issues. He was the UNDP manager of the LP Gas Rural Energy Challenge, a public private partnership with the World Liquefied Petroleum Gas Association. He also represented UNDP at the Global Bioenergy Partnership, an initiative of the G8, chaired by Italy and Mexico. Yager moved to UNDP Headquarters from Nairobi, Kenya in 2003 where he managed an industrial energy efficiency project aimed at increasing sustainable industrial development and decreasing global carbon emissions. Prior to joining UNDP, he was Head of the International Development Section at the Institute for Energy Technology in Norway. He received his Ph.D. in Energy Policy and Engineering.

## **PARALLEL SESSION 3: “ENERGY EFFICIENCY IN INDUSTRY”**

Mr. Hans-Holger Rogner

*Section Head, Planning and Economic Studies Section, International Atomic Energy Agency (IAEA)*

Rogner joined the IAEA in 1997, focusing on the contributions to sustainable energy development of different energy supply and demand options, capacity building in energy-environment planning in developing countries, and nuclear knowledge management. From 1990-1997 he directed the System Analysis Group at the Institute for Integrated Energy Systems, University of Victoria. Rogner received a M.Sc. in industrial engineering and a Ph.D. in Energy Economics and Applied Systems Analysis from the University of Karlsruhe. He served several times as a (convening) lead author for the Intergovernmental Panel on Climate Change and collaborated on major global energy analyses including “Global Energy Perspectives” and the “World Energy Assessment”.



Mr. Rob Steele

*Secretary-General, International Organization for Standardization (ISO)*

Steele joined the ISO on 1 January 2009 and was the CEO of Standards New Zealand (SNZ) until 2007. He is a Chartered Accountant, a member of the New Zealand Institute of Directors, and a Fellow of the New Zealand Institute of Management. Since leaving SNZ, he has provided advice to organizations on strategic business and standards issues; assisted regulators and standards organizations to develop strategies in public policy and standardization; and worked with a United Nations specialized agency on energy efficiency systems and an international standard for industry. Steele was Secretary of the Pacific Area Standards Congress (PASC) from 2002 to 2007.

Mr. Dolf Gielen

*Unit Chief, Energy Efficiency and Policy, United Nations Industrial Development Organization (UNIDO)*

Gielen works for UNIDO on energy policy and industrial energy efficiency issues. Amongst others, he is responsible for UNIDO's contribution to various high-level fora, UN Energy, the Global Energy Assessment, and a range of efficiency dissemination and deployment projects in emerging economies. Gielen has 17 years of experience in energy and technology policy, energy modelling and scenario analysis. Before he joined UNIDO he worked for the International Energy Agency. He is author of more than 10 books and 50 scientific papers on various energy technologies. Gielen holds a PhD from the Technical University of Delft.

Ms. Aimee T. McKane

*Senior Program Manager, Lawrence Berkeley National Laboratory, United States of America*

McKane has more than 25 years of experience in energy efficiency. She has worked with the US Department of Energy (USDOE) for 15 years on a number of industrial initiatives, including: a new program to certify industrial plants for energy efficiency and representing the US to ISO 50001-Energy Management. She also works extensively with the United Nations Industrial Development Organization (UNIDO) on the design and implementation of projects in China, Southeast Asia, Russia and elsewhere to promote energy management and system energy efficiency. An issues paper she prepared for UNIDO in 2007 became the impetus in developing support for an international energy management standard.

Mr. Gianluca Sambucini

*Project Manager of Global Energy Efficiency 21 and Secretary of the Committee on Sustainable Energy, Sustainable Energy Division, United Nations Economic Commission for Europe (UNECE)*

Sambucini joined the UNECE in 1994 with experience at the European Bank for Reconstruction and Development (EBRD) from 1997 to 98. He graduated in International Political Science in 1987 from the University of La Sapienza, Rome, has a Masters degree in Rural Development Planning from the University of East Anglia, Norwich and a PhD in International Cooperation and Sustainable Development Policies from the University of Bologna.

Mr. Paul Waide

*Senior Policy Analyst, Energy Efficiency & Environment Division, International Energy Agency (IEA)*

Waide joined the IEA in his current position in 2004. He has a central role in the agency's work on energy efficiency including fulfilment of the IEA's mandate to assist the G8 countries in developing their plan of action addressing Climate Change, Clean Energy and Sustainable Development. He provides demand analysis for the agency's energy scenarios including the World Energy Outlook and is the principle author of some of the agency's main publications addressing energy efficiency policy. Prior to joining the IEA he worked as an international energy efficiency consultant for 14 years and was involved in numerous equipment energy efficiency programmes. Waide has a Ph.D in Applied Energy.

## **PARALLEL SESSION 4: "TOWARDS A RENEWABLE ENERGY VISION FOR WEST AFRICA"**

H.E. Ms. Irene Freudenschuss-Reichl

*Director General, Austrian Development Cooperation, Federal Ministry for European and International Affairs, Austria*

Please refer to *Opening Speeches and Keynote Address*.

Mr. Pradeep Monga

*Director, Energy and Climate Change Branch, United Nations Industrial Development Organization (UNIDO)*

Dr. Monga has over 28 years of working experience in the field of energy policy planning, energy technologies and financing mechanisms. His present responsibilities include: providing strategic advice on energy policy issues; supervising a team of energy experts and networks of energy technology centres; overseeing a strong portfolio of energy projects and programmes; developing partnerships with governments, industry and regional organizations; and coordinating with UN Energy members on energy and climate issues. He has presented several technical papers in over 30 international seminars and workshops, and has co-authored three books.

Mr. Abeeku Brew-Hammond

*Professor, Kwame Nkrumah University of Science and Technology (KNUST), Ghana*

Please refer to *Parallel Session 2 - Energy Access for Productive Uses*.

Mr. Mahama Kappiah

*Head of Energy Division for Energy Access and Renewable Energy, Economic Community of West African States (ECOWAS)*

Until 2008 Kappiah was head of the Conventional Energy Division for ECOWAS. Some of his achievements in the ECOWAS Region include the West African Gas Pipeline Project, the West African Power Pool Programme, the establishment of ECOWAS regional electricity regulation authority, the ECOWAS regional programme on access to energy services and now he is making efforts to establish the ECOWAS Regional Centre for Renewable Energy and Energy Efficiency. Prior to joining the ECOWAS Commission, he worked with the Volta River Authority (VRA) of Ghana for a period of fifteen years, where he served in various capacities from Electrical Engineer to Manager of the transmission planning unit.

Mr. Vijay Modi

*Professor of Mechanical Engineering, Columbia University, United States of America*

Modi received a Ph.D. in mechanical engineering from Cornell University in 1984. He joined Columbia in 1986 after two years as a post-doctoral research associate at Massachusetts Institute of Technology. His current and recent research projects include: energy services and infrastructure planning in meeting the Millennium Development Goals, low-cost lighting systems design, use of spatial data in energy technology choices, and energy technologies for decentralized applications. His past energy related work encompasses thermal power plants, gas turbines, solar energy resource assessment, wind speed measurement and environmental systems for energy and paper industry. He is author/co-author of more than forty journal publications.

Mr. Ogunlade Davidson

*Minister of Energy and Power, Sierra Leone*

Before joining the Ministry, Davidson was Director of Research at the University of Sierra Leone, Head of Department of Mechanical and Maintenance Engineering, and Dean of the Faculty of Engineering. He is the Vice-Chair of the Intergovernmental Panel on Climate Change (IPCC), and Co-Chair of Steering Committee of the Global Network on Energy for Sustainable Development (GNESD). Between 2000 and 2003 he was Professor and Director of the Energy and Development Research Centre (EDRC) at the University of Cape Town, South Africa. He has published extensively focusing on African Energy Systems and Policies, Power sector reform, Renewable Energy policy, Mitigation of Climate Change and on National Climate Change strategy.

Mr. Albéric Kacou

*UN Resident Coordinator and UNDP Resident Representative in Nigeria*

Kacou has a wide and varied experience in the field of development and management of Trust Funds for regional integration, Diaspora and UN Electoral Assistance Activities. He successfully held similar positions in Senegal and Guinea Bissau. Mr. Kacou also served as Deputy Executive Secretary and Director of Operations at the United Nations Capital Development Fund (UNCDF) between 1997 and 2002. Between 1987 and 1997, he served as Programme Management Officer in UN Office of Project Services (UNOPS) in New York and as Deputy Resident Representative in Niger. He was Research Assistant and Lecturer at the University of Pittsburgh and holds a PhD in Mechanical Engineering from University of Pittsburgh.

Mr. Fabio Dias Borba

*Project Developer, Private Infrastructure Development Group, InfraCo Limited, United Kingdom*

Borba has broad experience in global infrastructure projects worldwide, including Zurich, New York, São Paulo and Hong Kong. He has analyzed and negotiated equity participations in Greenfield Projects and Acquisitions and developed projects in various infrastructure industries, such as gas pipelines, ports and airports, renewable and conventional power generation and transmission lines. Previous experience includes the finance department of ABB Equity Ventures and the strategic planning area of Tenaris. Borba is a native of a Brazil, trilingual, and graduated with a degree in Engineering from Maua Institute of Technology.

## **PLENARY SESSION 4: “FINANCING ENERGY IN TIMES OF CRISIS”**

### **Part I – The Global Picture**

Mr. Amarquaye (“Kwei”) Armar

*Manager, Energy Sector Management Assistance Program (ESMAP), World Bank*

Armar joined the World Bank for the first time in 1978. From 1996 to 2000, he served as Energy Advisor to the Minister of Finance and Economic Planning in Ghana. On his return to the World Bank in 2000, he was assigned as Lead Energy Specialist in the Energy Anchor Unit of SDNVP until his appointment in 2008 as Program Manager, ESMAP - a global knowledge and technical assistance partnership administered by the World Bank's Sustainable Development Vice Presidency (SDNVP). Armar holds degrees from the University of Sheffield, UK (BSc Tech in Chemical Engineering and Fuel Technology, 1976) and the Massachusetts Institute of Technology, USA (SM in Chemical Engineering/Technology & Policy Program, 1978).

Ms. Ada Karina Izaguirre

*Infrastructure Advisory Services Group, Finance Economics and Urban Department, World Bank*

Izaguirre is an infrastructure specialist with Finance Economics and Urban Department at the World Bank and works on government policies toward infrastructure and utility industries, including policy frameworks for private public partnerships, PPP contracts, institutional arrangements, and benchmarking utilities. She manages PPI project database, which is a key source of information for private participation and PPP in infrastructure in developing countries. Izaguirre has published extensively on trends in private participation in infrastructure. Prior to joining the World Bank, she worked for Osiptel, the Peruvian telecommunications regulatory agency, and Apoyo, a Peruvian consulting firm. She holds an MS in public policy from Georgetown University and a BA in economics from Universidad del Pacifico in Lima Peru.

Ms. Orli Arav

*Director, Frontier Markets Fund Managers (FMFM), United Kingdom*

Arav has more than thirteen years' experience in various project and structured finance roles within industry, banks and advisory firms. In her current position she is responsible for arranging and structuring financing for Emerging Markets and Sub-Saharan Africa infrastructure projects. Currently she is managing transactions in the power, transport, and industrial goods sectors. Previously, she used to work as senior manager at Ernst & Young Project Finance and PricewaterhouseCoopers (PWC) Project Finance, where she was responsible for a variety of power, waste, water, desalination, rail and telecoms projects in Europe, the Middle East and Africa. Arav holds a master degree in economics from the London School of Economics.

## Part II – Snapshots from Asia and the Outlook in Latin America and Africa

### Mr. Amarquaye ("Kwei") Armar

Manager, Energy Sector Management Assistance Program (ESMAP), World Bank

Please refer to *Part I – The Global Picture*.

### Mr. Dhruva Sahai

Senior Infrastructure Specialist, The World Bank

### Mr. Setio Anggoro Dewo

Director of Finance, PT PLN (Persero), Indonesia

### Ms. Sinthya Roesly

Deputy Director of Corporate Planning and Strategy, PT PLN (Persero), Indonesia

Roesly's responsibilities include securing financing from multilateral, bilateral and credit export agencies and assisting in financing from commercial banks and capital markets for various projects of the company. Further, she drives the alignment of the company operations and business development with its corporate strategy and the development of the Long Term Strategic Plan. She is responsible for raising the strategic investment funding sourced from multilateral/bilateral and other financial institutions. Roesly is accountable for developing financial projection modeling of the company and is responsible for the leadership and people management for building a solid team in corporate planning organization.

### Mr. Jeremias N. Paul Jr.

Under-Secretary, Department of Finance, Philippines

Paul holds his current assignment since 2007. In this position, he oversees the Government Corporate Sector for the Department of Finance in the Philippines. Prior to his promotion, he was seconded for two years in the World Bank Group as Alternate Executive Director representing the Philippines, Brazil, Columbia, Dominican Republic, Ecuador, Haiti, Panama, Suriname, Trinidad and Tobago. Paul joined the Department of Finance in 1990 as Division Chief and was subsequently promoted to Director of the International Finance Group in 1995. In 1999, he assumed the post of Assistant Secretary of the International Finance Group. In 2001, his portfolio was shifted to the Corporate Affairs group.

### Mr. Dinh Quang Tri

Vice-President of EVN (Electricity of Vietnam), Viet Nam

Tri joined EVN as Vice President in 1998. From 1987 to 1995 he worked as an expert at the Ministry of Industry, Vietnam. From 1995 to 1998 he was Deputy Director of the Finance and Accounting Department at Vietnam Electricity (EVN). From 1982 to 1987 he worked as researching engineer at the Institute of Mining Economy in Vietnam. Tri holds an MBA from the Asia Institute of Technology, Bangkok, Thailand and a Bachelors Degree in major of mining economy in Ukraine.

### Mr. Le Tuan Phong

Deputy Director General, Energy Department, Ministry of Industry and Trade, Viet Nam

Since 2006, Phong holds his current position as Deputy Director of Energy at the Ministry of Industry and Trade, Vietnam. He is also the Director of Rural Electrification and the Renewable Energy Project Management Board and is responsible for the management of BOT projects. From 2001 – 2006, he worked in the department of Science and Technology on energy, energy efficiency & conservation and environment issues and acted as focal point of the ASEAN EE&C Sub-Sector Network. From 1986 to 1999, he worked as Researcher in the Nuclear, Thermal Power Plant and Environment Department of the Institute of Energy, Vietnam.

### Mr. Alexis Bonnel

Head, Infrastructure and Environment Division, Agence Française de Développement

Alexis Bonnel has more than 15 years of experience in development financing. After graduating as an engineer, Bonnel worked with the World Bank in Washington as a financial analyst on transport and energy projects in the former Soviet Union countries. He later joined the Agence Française de Développement (AFD - French ODA agency), where he is now heading the Infrastructure and Environment Division. The Division manages energy, transport and ITC programs funded by AFD throughout the developing world, as well as its global environment portfolio (climate change, biodiversity, forestry). AFD puts a strong emphasis on the energy and climate change footprint of all its interventions, including at the policy making level.

### Mr. Néstor Luna

Director of Planning and Projects, Latin American Energy Organization (OLADE)

Luna has a PhD in engineering from the UNAM (Universidad Nacional Autónoma de México) and his minor was conjugate heat transfer in non-Newtonian fluids. He has over 10 years of experience in the energy sector as specialist, researcher and Director, especially in hydrocarbons. Currently, his duties are assisting the countries of Latin America and the Caribbean in the definition of regional energy policies and technical and regulatory advice in the energy sector (hydrocarbons, electricity and renewable energy). He is also responsible to develop and publish articles, research papers, books and studies, on energy issues for the benefit of Member Countries and to spread regionally experiences on technological developments among OLADE's Member Countries.

### Ms. Farida Mazhar

Lead Financial Specialist, Finance & Guarantees Group, World Bank

Mazhar joined the World Bank in 1992 following a successful career in Investment Banking with BNP/Paribas and Lloyds Bank in London. Her expertise is in the areas of World Bank Guarantees, Project Finance, Public Private Partnerships, Privatizations, and Banking and Capital Markets. She has extensive experience in structuring projects in emerging market countries and has led several Guarantee transactions for the Bank in Power, Transport, Telecom, and the Gas Sectors in Eastern Europe, South and South East Asia, Middle East & North Africa, and Sub-saharan Africa. She has a BSc Honors degree in Economics and undertook postgraduate studies in International Monetary Economics.

## PARALLEL SESSION 5: "ENERGY IN CENTRAL AND EASTERN EUROPE"

### Mr. Herbert Lechner

*Chief Scientific Officer and Deputy Managing Director, Austrian Energy Agency, Austria*

After graduating with a degree in economics, Lechner worked for the Austrian Institute of Economic Research and for the Energy Section of the Austrian Ministry of Economy. He has great experience in the field of policy and business management consulting and has been working on a multitude of projects covering the whole range of energy economics and energy policy. Currently his focus lies in strategic consultancy for the federal government and the federal provinces as well as for enterprises in the field of energy economics. His current work includes research on feed-in tariffs for green electricity, an energy-conception for the federal province Salzburg, and a strategy to reach a rate of 34 % of renewable energy in Austria.

### Ms. Elfriede-Anna More

*Director, Department of International Environmental Affairs, Federal Ministry of Agriculture, Forestry, Environment and Water Management, Austria*

Alongside being Director of the Department of International Environmental Affairs, More has also been a member of the cabinet of Minister Nikolaus Berlakovich since December 2008, advising him on all European and international matters. Before starting her career in the Ministry, More worked in Brussels for the European Parliament for the Committee on Environment, Public Health and Consumer Protection. She studied law at the Karl-Franzens University in Graz and has always had a particular interest in international energy and climate change policies.

### Mr. Johannes Enzmann

*Policy Officer for Emission Trading, European Commission*

Enzmann was born in 1961 in Germany, and studied Political Science, Economy and Philosophy in Munich. He worked as an assistant to a Member of the European Parliament and joined the European Commission in 1995 as a National Expert for energy related questions. From 1999, Enzmann worked as an official of the European Commission on the EU natural gas market including security of supply. Since November 2006, he has been involved in the review of the EU Emissions Trading Scheme (EU ETS) and is now dealing with its implementation.

### Mr. Andrei Yu. Gagarinski

*Scientific Advisor, RRC Kurchatov Institute, Russia*

Gagarinski graduated of the Moscow Engineering and Physics Institute in 1962. Since then till today he works in the Russian Research Centre "Kurchatov Institute", the largest nuclear research centre of Russia. He is Professor, Doctor of Physical and Mathematical Sciences, author of several monographs and over 200 scientific articles. His field of scientific activities includes experimental nuclear reactor physics, nuclear criticality safety, pressurized water reactors, innovative technologies for nuclear fuel cycles and nuclear power, and system energy research. He is one of the founders of the USSR Nuclear Society, and Vice-President of the Nuclear Society of Russia. He is bearer of the Order of Courage of the Russian Federation for participation in liquidating the Chernobyl accident consequences.

### Mr. Iaroslav Ivanovych Mikhieiev

*Chief Specialist, National Environmental Investment Agency, Ukraine*

Mikhieiev was born in 1972 in Kyiv, Ukraine. He graduated from Kyiv Taras Shevchenko University in Radiophysics, and has authored 7 published papers. In 1998-2002 he was a project manager for student's ID documents implementation and manufacturing. In 2002-2007 he worked for international and mobile telecommunication while joined in JSC "Ukrtelecom" and CJSC "UMC". Since June 2007 works for NEIA, has trained by a JICA/OECC Capacity Development of Host Countries for CDM/JI Program. Mikhieiev participated in Ukraine's National Registry launch on 28.10.2008 and keeps relevant documents for Ukrainian transactions through JI and other Kyoto Projects.

### Mr. Ivan Narkevitch

*Head, Department of International Conventions and Agreements, Ministry of Natural Resources and Environmental Protection, Belarus*

### Mr. Marek Wejtko

*Adviser to the Minister of Economy, Poland*

Wejtko currently holds the position of Adviser to the Deputy Prime Minister and Minister of Economy of the Republic of Poland and is considered to be an expert in issues related to foreign economic policy, including multilateral institutions and international organisations. Wejtko was Undersecretary of State in the Ministry of Economy from 2002 to 2003. He also served as Minister Counselor in the Polish Mission to the OSCE in Vienna (2004-2007) and was Deputy Permanent Representative of Poland to the OECD in Paris (1999-2002). Prior to this secondment, he directed the Department of Multilateral Economic Relations (1996-1999) and Department of Trade Policy II (1991-1996) in the Polish Ministry of Foreign Economic Relations.

## PARALLEL SESSION 6: "STRENGTHENING SUSTAINABILITY AND ENERGY SECURITY IN SMALL ISLAND DEVELOPING STATES"

### Mr. Solomone Fifita

*Manager of the Pacific Islands Greenhouse Gas Abatement through Renewable Energy Programme (PIGGAREP), Secretariat of the Pacific Regional Environment Programme (SPREP)*

Fifita has more than twenty five years working in the energy sector of Pacific SIDS. He was the Head of the Tonga Energy Office and worked in four intergovernmental regional organisations in the Pacific as regional Energy Adviser. He also served as Chief Technical Adviser at SPREP and now Manager of the PIGGAREP. Fifita worked as project manager for major regional energy projects for the Pacific SIDS. He participated in the review of Iceland's Third National Communication and is presently a Lead Author in the IPCC special report on Renewable Energy.

Mr. Albert Binger

*Advisor to the Caribbean Community Climate Change Centre and the Alliance of Small Island States (AOSIS)*

Binger is a Jamaican-born scientist and was Director for the University of the West Indies Centre for Environment and Development from 1997 to 2005. Since 2005 he is assisting the Caribbean Community Climate Change Centre (CCCCC). Prior to joining UWICED, he served as Chair, Strategic Planning, Global Environment Division, at the Rockefeller Foundation from 1997 to 1999. He also served as President of the Biomass Users Network (BUN) in Costa Rica, from 1985 to 1990. Before this he worked at the Scientific Research Council in Jamaica, serving as Director, Research and Development. He is a Barbara Ward Fellow, and holds a BSc in Chemical Engineering, as well as a PhD in Soil Chemistry.

Mr. Paul Leonard Fairbairn

*Manager of the Community Lifelines Programme, Secretariat of the Pacific Islands Applied Geoscience Commission (SOPAC)*

Paul has more than four decades of work experience, 22 of which have been dedicated to working in the Pacific, managing a range of energy sector issues. These include energy policies and planning; renewable energy resources and technologies; energy efficiency and conservation; and capacity building. Paul is currently the Manager of the Community Lifelines Programme at the Pacific Islands Applied Geoscience Commission in the Fiji Islands, is a qualified civil engineer and holds a diploma in economics. The latter part of Paul's career has seen him engaging globally in the CSD, WSSD and addressing the needs of SIDS.

Mr. Juan Marco Alvarez Gallardo

*Director of Economics and Environmental Governance; Head of Business and Biodiversity Programme, International Union for Conservation of Nature (IUCN)*

Alvarez was the Executive Director of SalvaNATURA – El Salvador's premier conservation organization. He formed part of the Ministry of the Environment's advisory committee during 1997 – 1999, its founding years, and was also a member of the recently formed CONAMA, the strategic advisory committee for the Ministry of the Environment. Elected in the Bangkok World conservation Congress to the IUCN Council for the period 2004-2008, he served in the Governance Task Force and the Membership Committee. He also assisted the IUCN's Business and Biodiversity Programme with various initiatives, including contacts with key multinational companies for engagement opportunities. Alvarez received his Master's Degree in 1995 in business administration and sustainable development from INCAE Business School, based in Costa Rica.

Ms. Susan McDade

*Resident Representative, United Nations Development Programme (UNDP) and Resident Coordinator, United Nations, Cuba*

McDade served as Manager of the Sustainable Energy Programme, Bureau for Development Policy, United Nations Development Programme 2001-2005, working in NY operationalising the UNDP integral approach to energy in relation to poverty reduction and sustainable development. From 1992-1996, she was Assistant Resident Representative and Division Chief for Energy and Environment at UNDP in Beijing, China. She started her career with UNDP as a Programme Officer in UNDP Guatemala Country Office. McDade holds a Masters degree in Development Studies, specializing in Economic Policy and Planning from the Institute of Social Studies in The Hague, the Netherlands.

H.E. Mr. Tom Roper

*Board Member of Climate Institute, Project Leader of the Global Sustainable Energy Islands Initiative (GSEII), former Minister for Planning and Environment, Australia*

Roper has been involved in environmental policy at all levels from local to international. Since his retirement after 21 years in the Victorian Parliament (Australia), he has been an active Board Member of the Washington DC based Climate Institute, Global Urban Development and Greenfleet (Australia), an advisor to government, business and NGO's on sustainability issues. He provides briefings on climate change developments and green building issues for the Victorian Department of Sustainability and Environment and the Building Commission. He is the Project Director of the Global Sustainable Energy Islands Initiative which provides assistance to Small Island States seeking to introduce renewable energy and energy efficiency measures. During his ten years as a senior Government Minister his portfolios included Treasury, Planning and Environment, Health, Transport, Aboriginal Affairs, and Employment and Higher Education.

Ms. Elizabeth Thompson

*Senator of Parliament, former Minister for Energy and Environment, Barbados*

Thompson's research and work interests surround a variety of subjects relating to Politics, the Environment, Economy, Health, Energy, and Law. She is the winner of the United Nations Environment Programme's "Champion of The Earth Award" 2008 for work in environment, sustainable development and climate change. Furthermore, she is the former Minister of Energy and Environment of Barbados. She is currently an opposition senator in the Barbados Parliament and has been a member of Barbados Cabinet for 12 years holding portfolios in Health, Housing and Lands, and Physical Development. She is a Law Attorney by training, and her post graduate research focused on oil and gas law, environment, renewable energy and multinational corporations.

Mr. Joseph Williams

*Programme Manager, Energy Programme, Caribbean Community (CARICOM) Secretariat*

Williams practiced for many years in the private sector as an energy management consultant. He was the managing director of an energy management consulting and energy products marketing firm which traded energy efficiency and renewable technologies services and products in Jamaica and parts of the Caribbean. He worked with the electric utility, Jamaica Public Service Company Limited for approximately 12 years. He was also instrumental in the implementation of the first and major Demand Side Management Project in the Caribbean, a project funded by the GEF. He developed the Caribbean Reference Energy System (CRESS) Model, an energy planning tool for Caribbean Countries. He holds a Msc in Engineering Management with emphasis in National Energy Policy and Planning from University of The West Indies.

## **CLOSING PLENARY: “MAJOR MESSAGES AND FINDINGS”**

Mr. Ged Davis

*Co-President, Global Energy Assessment (GEA) Council*

Please refer to *Plenary Session 1: “The Global Energy Challenges of the 21st Century”*

H.E. Mr. Nikolaus Berlakovich

*Federal Minister of Agriculture, Forestry, Environment and Water Management, Austria*

Berlakovich joined the Ministry in December 2008. Since 1991 he was Deputy Head of the Provincial parliamentary group of the Austrian People's Party (ÖVP) Burgenland. Since 2006 he has been head of the Farmers' Federation of the Province of Burgenland and, since 2005, member of the Chief Executive Department of the Austrian Farmers' Federation – Federal Secretary. Berlakovich is spokesman for ethnic groups' affairs of the ÖVP's Provincial parliamentary fraction and was member of the Provincial Government of Burgenland from 2005 to 2008. From 2002 to 2005 he was head of the parliamentary fraction of the ÖVP's Provincial parliamentary group and from 1991 to 2005 he was a delegate to the Provincial Parliament of Burgenland.

H.E. Ms. Irene Freudenschuss-Reichl

*Director General, Austrian Development Cooperation, Federal Ministry for European and International Affairs, Austria*

Please refer to *Opening Speeches and Keynote Address*.

H.E. Mr. Thomas Stelzer

*Assistant Secretary-General for Policy Coordination and Inter-Agency Affairs, United Nations Department of Economic and Social Affairs*

Prior to his current appointment, Stelzer served as the Permanent Representative of Austria to the United Nations (Vienna), International Atomic Energy Agency (IAEA), United Nations Industrial Development Organization (UNIDO) and the Comprehensive Nuclear-Test-Ban Treaty Organization (CTBTO) Preparatory Commission. Earlier in his career, Stelzer held a number of diplomatic and international posts, including at the CTBTO Preparatory Commission and the Austrian Mission to the United Nations. Stelzer has held numerous inter-governmental positions, including President of the UNIDO Industrial Development Board (2005-2006); Chair of the CTBTO Preparatory Commission (2003); and Facilitator and Chair of the Vienna Terrorism Symposiums in 2002 and 2007. Stelzer has also lectured on multilateralism at the Department of Political Science at Vienna University, and obtained his doctorate in law.

Mr. Nebojsa Nakicenovic

*Deputy Director, International Institute for Applied Systems Analysis (IIASA) and Professor of Economics, Vienna University of Technology*

Please refer to *Plenary Session 1: “The Global Energy Challenges of the 21st Century”*

Mr. Kande Yumkella

*Director General, United Nations Industrial Development Organization (UNIDO)*

Please refer to *Opening Speeches and Keynote Address*.



## Towards an Integrated Energy Agenda Beyond 2020

INTERNATIONAL ENERGY CONFERENCE, VIENNA, AUSTRIA, 22-24 JUNE 2009

**Conference Venue:**

### Hofburg (Imperial Palace)

**Entrance: Josefsplatz, 1010, Vienna**

