

Wednesday, 7 October 2009

07:30 – 09:00	Registration
09:00 – 10:00	Inaugural Plenary Session – Room A
Opening Statements	<p>Message from the UN Secretary-General Ban Ki-moon presented by Madgy Martínez-Soliman, UN Resident Coordinator, Mexico</p> <p>Kandeh K. Yumkella, Director-General, UNIDO</p> <p>Georgina Kessel, Secretary of Energy, Mexico</p> <p>Juan Manuel Oliva Ramírez, Governor, State of Guanajuato</p> <p>Felipe de Jesús Calderón Hinojosa, President, Mexico</p>
10:15 – 11:15	Plenary session 1 – Room A
	<p>Energy Poverty, Economic and Financial Crisis, and Climate Change</p> <p>Energy is a prerequisite for meeting the challenges facing the international community in the 21st century – poverty alleviation; economic prosperity and sustainable development; climate change; and global environmental and food security. Current energy systems are clearly inadequate to face those challenges. Profound changes are needed in the way human society produces and uses energy today and tomorrow.</p> <p>The current global economic crisis has highlighted the fragility and volatility of economic markets worldwide. Climate change predictions indicate that global carbon emissions need to peak within a decade to ensure there is a reasonable chance of keeping temperature increases below 2°C. Economic and political instability will continue to increase as more of the world's population face increasing problems of resource insecurity, particularly in relation to food, energy, and water. The confluence of these multiple crises and challenges present a unique context and series of opportunities to move to a sustainable, low-carbon future.</p> <p>This session sets the stage of the Global Renewable Energy Forum 2009 by contextualizing the current energy debate in light of major global challenges.</p> <p>Moderator Kandeh K. Yumkella, Director-General, UNIDO</p> <p>Keynote Speaker Rajendra K. Pachauri, Chairman, IPCC, and Director-General, TERI</p> <p>Panelists Georgina Kessel, Secretary of Energy, Mexico Carlos Slim, Chairman, Grupo Carso Lorenzo H. Zambrano, Chairman and CEO, CEMEX</p>
11:15 – 11:45	Coffee/Tea break
11:45 – 13:15	Plenary session 1 (continuation) – Room A
Moderator	Alberto Padilla , CNN, Mexico
Keynote Speaker	Juan Rafael Elvira Quesada , Secretary of Environment, Mexico
Panelists	<p>Carlos Arturo Flórez Piedrahita, Executive Secretary, Latin American Energy Organization (OLADE)</p> <p>Marcin Korolec, Undersecretary of State, Ministry of Economy, Poland</p> <p>Deepak Gupta, Secretary, Ministry of New and Renewable Energy, India</p> <p>Esteban Morrás Andrés, CEO, Acciona, Spain</p> <p>Mauricio de María y Campos, former Director-General, UNIDO</p>
13:15 – 15:00	Lunch

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15:00 – 16:30 Plenary Session 2 – Room A

Renewable Energy and Energy Transition

The magnitude of the changes required in regard to energy transition will have widespread consequences not only for energy systems, but also concerning trade, business, lifestyles, etc. A transition to a low-carbon economy is not solely a technological issue. Rather, the way our society functions, consumes and makes business has to be revisited.

Energy strategies must be geared towards a reduction of the fossil fuel dependency. The succeeding international climate change mitigation agreement must be comprehensive and ambitious in order to trigger the magnitude of changes required. From that viewpoint, renewable energy is well placed to play a significant role in shaping the energy transition.

This session will contemplate those factors that can bring about an energy revolution and promote transition to renewable energy.

- Moderator **Ged Davis**, Council Co-President, Global Energy Assessment (GEA)
- Keynote Speaker **Nebojsa Nakicenovic**, Deputy Director, IIASA, and Professor of Energy Economics, Vienna University of Technology
- Panelists **Richard Moorer**, Associate Undersecretary for Energy, US Department of Energy
Francisco Barnés de Castro, Commissioner, Energy Regulatory Commission, Mexico
Enrique Villa Rivera, Director General, National Polytechnic Institute, Mexico
Victor Abate, Vice President Renewables, GE Energy
Altino Ventura, Secretary of Energy Planning and Development, Ministry of Mines and Energy, Brazil

16:30 – 17:00 Coffee/Tea break

17:00 – 18:30 Plenary Session 3 – Room A

Renewable Energy Potential – Reality or Utopia

Business-as-usual energy scenarios paint a bleak picture in regard to the share of renewable energy in the energy mix of the future. Indeed, fossil fuels are expected to largely dominate the energy landscape in the years to come without ambitious policy interventions.

There is a very high potential for renewable energy in most regions, including in Latin America. Yet, the potential does not unfold for the numerous challenges and barriers a widespread deployment of renewable energy faces. Although those barriers have long been identified, the expansion of renewable energy is slow and fragmented.

This session provides the ground for a debate on the ability of renewable energy to meet the growing energy needs of developing countries.

- Moderator **Alberto Padilla**, CNN, Mexico
- Keynote Speaker **Hélène Pelosse**, Director-General, International Renewable Energy Agency (IRENA)
- Panelists **Jorge Miguel Samek**, Brazilian General Director, Itaipu Binacional
Eduardo Zenteno, President, Mexican Wind Association
Wim C. Turkenburg, Scientific Director, Copernicus Institute for Sustainable Development and Innovation, The Netherlands
Hans-Joachim Kohlsdorf, Vice-President, Executive Council of Global Enterprises
Leandro Feliciano Alves, Head, Energy Division, Inter-American Development Bank (IDB)

18:30 Business Forums

Thursday, 8 October 2009

09:00 – 09:30	Summary of the Previous Day – Room A
Summary	Ged Davis , Council Co-President, Global Energy Assessment (GEA)
09:30 – 11:00	Plenary Session 4 – Room A
<p>Renewable Energy and the Access Agenda</p> <p>Nearly one third of the world's population has no access to electricity, and another third has poor access only. Furthermore, about 2.5 billion people mainly in Asia and Sub-Saharan Africa rely on traditional fuels such as wood, dung and agricultural residues to meet their daily heating and cooking needs. Renewable energy allows for reconciling aspirations for development with environmental sustainability.</p> <p>Modern energy services need to be made available in order to promote productive activities and economic development.</p> <p>This session discusses how the energy access agenda can be advanced and identifies best-practice experiences on providing energy services to the poor by means of renewable energy.</p> <p>Moderator Alberto Bello, Chief Editor, Expansión</p> <p>Keynote Speaker Deepak Gupta, Secretary, Ministry of New and Renewable Energy, India</p> <p>Panelists Vijay Modi, Professor of Mechanical Engineering, Columbia University Susan McDade, Resident Representative in Cuba, UNDP Philippe Benoit, Manager, Energy Sector, Department for Sustainable Development, Latin America Region, World Bank Edigson Pérez Bedoya, Director-General, Institute for Planning and Promotion of Energy Solutions for the Off-grid Areas, Colombia</p>	
11:00 – 11:30	Coffee/Tea break

Thursday, 8 October 2009

11:30 – 13:15	Parallel Session 1 – Room B1
Transition to a Low-Carbon Economy – New Technologies	
<p>Transition to a low-carbon economy will require a wide array of technologies amongst other elements. Some of those technologies are ripe and commercially available, and others are still at experimental stages. Other considerations are the adaptability of current energy systems to widespread deployment of these new renewable energy technologies.</p> <p>This session offers a state-of-the-art review of some of the key new technologies that are expected to significantly contribute to the transition to a low-carbon economy.</p>	
Moderator	Fernando Marti Scharfhausen , Vice-President, National Energy Commission, Spain
Keynote Speaker	Paolo Frankl , Head, Renewable Energy, IEA
Panelists	<p>Nicolas Lymberopoulos, Director, Projects & Programmes, UNIDO International Centre for Hydrogen Energy Technologies, Turkey</p> <p>Dimitrios Zevgolis, Program Manager, Climate Change Specialist, Global Environment Facility</p> <p>Stanislav Miertus, Head, Pure and Applied Chemistry Area, UNIDO International Centre for Science and High Technology, Italy</p> <p>Domenico Coiro, Associate Professor, University of Naples</p> <p>Chris Sladen, Country Head, Mexico, BP</p>

11:30 – 13:15	Parallel Session 2 – Room B2
Renewable Energy for Industrial Applications	
<p>Renewable energy technologies offer solutions to pressing global issues such as energy poverty, climate change and energy security. The use of key hydropower, solar, wind, geothermal and biofuels is growing rapidly. A number of renewable energy technologies are ideally suited for industrial uses, such as cogeneration, power generation and process heat based on biomass gasification, solar thermal and photovoltaic applications, biogas from industrial effluents/residues, etc.</p> <p>This session discusses practical applications of renewable energy for industrial processes as well as targeted policy requirements, and economic and financial incentives.</p>	
Moderator	Pradeep Monga , Director, Energy and Climate Change, UNIDO
Keynote Speaker	N. H. Ravindranath , Professor, Indian Institute of Science, India
Panelists	<p>Amit Kumar, Director, TERI</p> <p>Walter Danner, CEO, Rottaler Modell, Germany</p> <p>Mustapha Taoumi, Director, Development Centre for Renewable Energy, Marruecos</p> <p>Xi Wenhua, Director-General, UNIDO International Solar Energy Center for Technology Promotion and Transfer, China</p> <p>Ramón Fiestas, General Secretary, Spanish Wind Energy Association</p> <p>Liu Heng, Director General, UNIDO International Centre for Small Hydro Power, China</p>

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11:30 – 13:15	Parallel Session 3 – Room B3
<p>Energy Efficiency</p> <p>Improving energy efficiency is often viewed as the 'low hanging fruit' within the energy debate. The technologies required to make substantial savings, in terms of energy savings, greenhouse gas reductions, and cost, are already available. However, despite significant benefits the rate of implementation of energy efficiency policies and the deployment of energy efficient technologies lag well behind their potential. New policies, institutional support, and instruments must be deployed to counteract such a development.</p> <p>This session focuses on the steps that need to be taken for a significant acceleration of the uptake of industrial energy efficiency measures.</p> <p>Moderator Juan Manuel Presa, Vice Minister of Basic Industry, Cuba</p> <p>Keynote Speaker Edwin Pinero, International Chairman, ISO Project Committee 242 – Energy Management</p> <p>Panelists Hans-Holger Rogner, Section Head, IAEA</p> <p> Jennifer Bowman, Program Director Energy & Climate Change, DOW Chemicals</p> <p> Emiliano Pedraza, Director-General, National Commission for Energy Efficiency, Mexico</p> <p> Dolf Gielen, Chief, Energy Efficiency and Policy, UNIDO</p> <p> André Aranha Corrêa do Lago, Director, Department of Energy, Ministry of External Relations, Brazil</p>	
13:15 – 15:00	Lunch
15:00 – 17:00	Plenary Session 5 – Room A
<p>Future of Biofuels: Potential and Challenges</p> <p>The current debate on biofuels seems to be moving from the state of controversy to a more constructive dialogue that includes concrete proposals as possible ways forward. It is not a question anymore of whether biofuels should be produced or not. Rather, the discussion revolves around how to produce them in a way that is consistent with a range of sustainability criteria.</p> <p>This session sheds light on the potential and challenges of biofuels by means of a critical debate on various options in terms of technology, policy, as well as implications on issues related to international trade.</p> <p>Moderator Ged Davis, Council Co-president, Global Energy Assessment</p> <p>Keynote Speaker William Holmberg, Chair of the Biomass Coordinating Council, ACORE</p> <p>Panelists Melinda Kimble, Senior Vice President, United Nations Foundation</p> <p> Sergio Ramírez Robles, Chief Corporate Affairs Officer, BioFields, Mexico</p> <p> Ricardo Castello Branco, Director, Participações Petrobras Biocombustíveis, Brazil</p> <p> Suani Teixeira Coelho, Executive Secretary, CENBIO-Brazilian Reference Center on Biomass</p> <p> Gustavo Best, Representative for International Relations, REMBIO - Mexican Bioenergy Network</p>	
17:00	Business Forums

Friday, 09 October 2009

09:00 – 10:30 Plenary Session 6 – Room A

Scaling Up Investments in Renewable Energy

The global economic and financial crisis is having a major impact on infrastructure financing in general, and energy financing in particular. The downturn in global credit markets has created uncertainty regarding the availability and cost of medium to long term funding for meeting energy sector investment targets. Innovation is needed in the financial system to develop new modes of financing energy solutions across both private and public sectors. Innovative approaches include a new combination or adaptation of existing elements, or the development of pioneering products and processes.

This session provides insights with regard to the scaling up of investments in renewable energy through the adjustments of available financial instruments or the establishment of novel funding mechanisms.

Moderator **Luis Gómez Echeverri**, Associate Director, Global Energy Assessment

Keynote Speaker **Bruno Ferrari García de Alba**, General Director, ProMexico

Panelists **Enrique Nieto**, Director, International Business, Nacional Financiera de México
Venkata Ramana Putti, Senior Environmental Specialist, World Bank
Alexis Bonnel, Head, Infrastructure and Environment Division, French Development Agency
Daniel Magallón, Managing Director, Basel Agency for Sustainable Energy
Nicola Melchioni, General Manager - Mexico, ENEL Latin America

10:30 – 12:00 Plenary Session 7 – Room A

Innovative Policy and Institutional Framework

Institutions are of utmost importance to realizing the transition to a low-carbon economy. Strategic regional partnerships enhance energy security, facilitate resource pooling to support research, and encourage the development, deployment and transfer of new technologies. National and international cooperation is an effective means to reducing barriers to the broad deployment of renewable energy.

This session discusses best practice in policy and institutional infrastructure development and reviews success stories.

Moderator **Daniel Bouille**, Director Energy Program, Bariloche Foundation

Keynote Speaker **Francisco Xavier Salazar Diez de Sollano**, Chairman, Energy Regulatory Commission, Mexico

Panelists **Lakshman Guruswamy**, Director, Center for Energy & Environmental Security (CEES), University of Colorado
Marianne Moscoso-Osterkorn, Director General, The Renewable Energy and Energy Efficiency Partnership (REEEP)
Štefan Bogdan Šalej, Director General, International Center for Promotion of Enterprises (ICPE), Slovenia
Joseph Williams, Programme Manager, Energy, Caribbean Community and Common Market (CARICOM)
Mark Lambrides, Chief, Energy and Climate Change Mitigation, Organization of American States (OAS)
Rainer Hinrichs-Rahlwes, Board Member, German Renewable Energy Federation (BEE)

12:00 – 13:30 Closing Plenary Session – Room A

The Closing Plenary Session represents an opportunity to sum up the issues discussed at the Global Renewable Energy Forum 2009, express key messages and present a set of recommendations.

Moderator **Ged Davis**, Council Co-president, Global Energy Assessment

Closing Statements **Georgina Kessel**, Secretary of Energy, Mexico

Kandeh K. Yumkella, Director-General, UNIDO

Juan Manuel Oliva Ramírez, Governor, State of Guanajuato

Vote of thanks