

**Energy between past and future:
How to reconcile energy demand, climate change and economic competitiveness?**

Rome, 3rd October 2008

New Fiera di Roma
Via Portuense, 1645 – 1647
East Entrance - Hall 5 - VESTAS Conference Room

Morning Session: 10.00 – 13.00

Overview

Not many years have gone since world energy sector dynamics were primarily influenced by two big actors: the consumers, represented by OECD countries, and the producers, represented by OPEC countries. But today the scenario is significantly changed due to the relevant role of the new big consumers and the raising concerns on climate change consequences.

As already experienced after the oil-shocks in the seventies, the attention to new energy options has risen again. The investments and the production capacities in non-conventional renewables, wind, solar, biofuels and others, is tremendously growing. According to the last Report of the United Nation Environment Program, only in 2007 the “sustainable energy” attracted about \$148 billion of investments, even if it is largely recognized that fossil fuels will still play the greatest role in the world energy mix for many decades to come.

Moreover, IEA Energy Technology Perspective 2008's Report highlights that the World economy is projected to four-fold increase by 2050 as well as the greenhouse gases emission linked to the use of fossil fuels will rise by 130% in comparison with the today levels. The un-sustainability of this “energy path” is widely recognised by most of the main actors: governments, international institutions and organizations, public opinion. Nevertheless, it's largely acknowledged that the de-coupling of energy demand from economic growth, through energy efficiency and technology breakthroughs, in particular for electricity and transport sectors, is crucial to the solution of the hard challenge that World has to face today.

In this intricate framework some questions come through: will world energy sector be able to ensure the capitals and human resources to satisfy future energy demand?; will public and private research be able to develop and deploy technology breakthroughs aimed at the de-carbonization of energy mix in the mid-long term?; which will be the contribution of Carbon Capture and Storage, IV generation nuclear, wind, photovoltaic in meeting energy needs and in reducing GHG emissions?; first and second generation biofuels and agricultural technology improvements will be able to significantly reduce the oil-dependence of mobility sector?.

Starting from these opened issues, the Conference will focus on the possible energy options, taking in mind that a new “technology path” is fundamental in order to overcome the several issues of today and conjugate energy needs, global warming and economic competitiveness.

WEC Italy is the Italian committee of World Energy Council a non governmental UN-accredited organisation, including more than ninety countries, aiming at promoting the peaceful and sustainable use of energy resources for all people. WEC favours the search and the exchange of knowledge on resources, technology, consumption styles, environmental aspects of production and the use of energy sources.

World Energy Council
Comitato Nazionale Italiano del
Consiglio Mondiale dell'Energia
Via Cristoforo Colombo, 98
00147 Roma
Tel +39 06 5143.5403
Tel +39 06 5160 5091
Fax +39 06 5188 5135
C.F. 97322410586
www.wec-italia.org

Presidenza:
Ing. Gilberto Callera
presidenza@wec-italia.org

Segreteria Tecnica:
Ing. Ugo Dionigi
ugo.dionigi@wec-italia.org

Tesoreria:
Rag. Giovanni Straniero
giovanni.straniero@wec-italia.org

10.00 – 10.10

Welcome and Opening

Gilberto Callera
WEC Italy Chairman

10.10 – 10.40

Presentation of “Energy Technology Perspectives to 2050” Report

Pieter Boot
Director Office of Sustainable Energy Policy and Technology, International Energy Agency

10.40 – 11.00

Keynote Speech

Poul Skytte Christoffersen
Head of Cabinet, EU Commissioner for Agriculture and Rural Development

11.00 – 13.00

Round Table

Moderator:

Chicco Testa *Managing Director Rothschild Italia*

Participants:

Enzo Caetani	<i>Managing Director Tecnimont</i>
Poul Skytte Christoffersen	<i>Head of Cabinet, Commissioner for Agriculture and Rural Development</i>
Raffaele Liberali	<i>Director Energy, Directorate-General for Research European Commission</i>
Carlo Luzzatto	<i>Co-General Director Ansaldo Energia</i>
Giandomenico Magliano	<i>Director General for Multilateral Economic and Financial Co-operation, Italian Ministry of Foreign Affairs</i>
Piero Manzoni	<i>Chief Executive Officer Atel Energia</i>
Giuseppe Montesano	<i>Head of Environmental Policies Regulation and Environment, Enel</i>
Giampaolo Russo	<i>Director of Regulatory and Public Affairs Edison</i>
Klaus Schafer*	<i>Chief Executive Officer E.On Italy</i>
Derek Taylor	<i>Energy Advisor Directorate General for Transport and Energy, European Commission</i>

Conclusions:

Sergio Garribba *Ministry of Economic Development*

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(* to be confirmed