

MEDITERRANEAN SUSTAINABLE ENERGY SUMMIT

3rd Annual Climate and Energy Security Summit
for Southeast Europe and the Mediterranean

Tuesday 18th &
Wednesday 19th
May 2010
Hilton Hotel, Athens

About The Event

This event is organised under the auspices of H.E. The President of the Hellenic Republic: Dr. Karolos Papoulias

The UN's Copenhagen conference presents the leaders of the countries of Southeast Europe and the Mediterranean with an unrivalled opportunity not only to tackle the challenges that climate change presents to the region but also to grasp the opening to establish the region as the sustainable energy hub for Europe. Both goals can be achieved through the development of forward thinking energy and environmental policies and a partnership approach between the public and private sectors.

Bringing together senior governmental officials, business leaders, financiers and energy experts, *Financial Times Global Events* and *The Banker* are pleased to present the third annual Mediterranean Sustainable Energy Summit. This landmark event will provide a forum for debate and dialogue on key questions and issues including:

- What steps need be to taken to launch the Mediterranean as the sustainable energy powerhouse for Europe? What investment is required and what economic benefits would be gained?
- How can Government and business work together to prioritise energy efficiency and conservation and adapt the region to the effects of climate change?
- Where are the investment opportunities in renewable energy technologies and green business in the region? Can climate challenge be turned into opportunity?
- What progress being made in reducing the carbon footprint of cities? What techniques and technologies can be applied in the cities of Southeast Europe?
- What steps are leading companies taking to reduce emissions and manage energy costs? How are solar and wind energy are being harnessed and used in the real world?

Speakers

George A. Papandreou, Prime Minister, Greece

Tina Birbili, Minister of Environment, Energy & Climate Change, Greece

Plutarchos Sakellaris, Vice President, European Investment Bank

Hermann Scheer, Member of German Parliament, President of EUROSOLAR

Harry Sachinis, Chairman & CEO, The Public Gas Corporation, Greece

Arthouros Zervos, Chairman & Chief Executive Officer, Public Power Co-Operation, Greece

Anastassios Kallitsantsis, Board Member, Business Council for Sustainable Development, Hellenic Federation of Enterprises (SEV)

Spyros Kouvelis, Deputy Minister of Foreign Affairs, Greece

Dimitri Zenghelis, Chief Economist, Cisco

Simon Reddy, Executive Director, C40 Cities

Frederic Hauge, Founder, Bellona Foundation

Dr. Samuel Fankhauser, Principal Research Fellow, Grantham Research Institute on Climate Change & the Environment, London School of Economics

Joseph A. Stanislaw, Independent Senior Advisor, Deloitte LLP & Honorary Chairman, Mediterranean Sustainable Energy Summit

Ranjit Lamech, Sector Manager – Energy, Europe & Central Asia, The World Bank

Gerhard Knies, Chairman of the Board, Desertec Foundation

Professor Anil Markandya, Scientific Director, BC3 Basque Centre for Climate Change

Vassilios Kougionas, DG RTD, Energy Directorate, EU Commission

Theodore Veniamis, President, Union of Greek Shipowners
Juan Alario, Associate Director, Head of Energy Efficiency & Renewable Energy Division, European Investment Bank
Nick Mabey, Chief Executive, E3G
Thorsten Rauch, Regional Manager for South Europe, Abengoa Solar
Simone Ruiz, European Policy Director, International Emissions Trading Association
Dimitris Assimakis, Senior Associate, Norton Rose
Dr. Calliope Panoutsou, Co-Chair, European Biofuels Technology Platform Working Group on Biomass Resources and Research Fellow for Environmental Policy, Imperial College London
Paolo Bertoldi, DG JRC, European Commission

Preliminary Agenda

This is a draft agenda. The timing of the sessions and the content may change as the agenda is finalized.

Day One 18th May 2010

08.30 Registration & Refreshments

09.30 Welcoming remarks from the conference Chairpersons

Fiona Harvey, Environment Correspondent, *Financial Times*

Professor Andreas Papandreou, Founder and Chairman, **Institute for Climate and Energy Security**

Beyond Copenhagen

09.40 Keynote Government Address: Developing forward thinking energy policies in the current economic climate

- Creating policies for a low carbon economy
- Taking the necessary steps to secure energy supplies in the short and medium terms
- Do our policies for securing energy supply align with the climate change policies?
- Looking beyond SEE and the Med – what role can the region play in generating sustainable energy for Europe?

George A. Papandreou, Prime Minister, Greece

10.00 Keynote Address: Interpreting Copenhagen and its implications for Southeast Europe and the Mediterranean

- Reviewing the agreements achieved at the Copenhagen Summit – what obligations and targets have been set?
- Outlining the role of the US, China and India in meeting the new targets
- Assessing the timeframe for action - is it realistic in the current economic conditions?
- What opportunities does Copenhagen present for renewable energy generation in Southeast Europe and the Mediterranean?

10.20 Keynote Address: Climate Change policy in low-growth world economy

- Evaluating energy usage and resources – what needs to change?
- Turing economic crisis into climate change opportunity
- Creating conditions to diversify energy sources and reduce the reliance on carbon
- Analysing the broader economic benefits of acting on climate change

- Is now the best time to act on climate change?
Dr. Samuel Fankhauser, Principal Research Fellow, Grantham Research Institute on Climate Change & the Environment, London School of Economics

Next steps for Government & business

10.50 Morning Coffee

11.20 Keynote Government Address: Facilitating green business and low carbon technology developments

- Prioritizing green development for jobs and economic revitalisation
- Defining key areas of priority for action and investment

Tina Birbili, Minister of Environment, Energy & Climate Change, Greece

11.40 Keynote Address: Renewable energy and Mediterranean development: the contribution from the EIB

Plutarchos Sakellaris, Vice President, European Investment Bank

12.00 Public/Private Panel: Working together to drive improvements in energy efficiency and conservation

- Can economic competitiveness and energy efficiency go hand in hand?
- What does business need from Government to make real progress in reducing emissions?
- What does Government need from business? (Can business play a greater role in energy and climate change policy development?)
- Prioritizing key areas for cooperation
 - fiscal reform
 - planning and permitting
 - promoting technology investment and innovation
 - promoting the region's unique potential as a sustainable energy hub

Moderator: **Joseph A. Stanislaw, Independent Senior Advisor, Deloitte LLP & Honorary Chairman, Mediterranean Sustainable Energy Summit**

Arthouros Zervos, Chairman & Chief Executive Officer, Public Power Co-Operation, Greece

Anastassios Kallitsantsis, Board Member, Business Council for Sustainable Development, Hellenic Federation of Enterprises (SEV)

Ranjit Lamech, Sector Manager – Energy, Europe & Central Asia, The World Bank

12.40 Lunch

14.00 Panel: Strengthening Mediterranean and Southeast European cooperation to effectively manage future climate change and energy challenges

- How important is a unified Mediterranean strategy for climate and energy security?
- Can the Mediterranean region become a clean energy supplier of the EU?
- What are the challenges to be overcome?
- EU & Med: what have we learned from the EU and what can the region offer?
- Targets for renewable and energy conservation in Mediterranean and finance

Harry Sachinis, Chairman & CEO, The Public Gas Corporation, Greece

Professor Anil Markandya, Scientific Director, BC3 Basque Centre for Climate Change

Spyros Kouvelis, Deputy Minister of Foreign Affairs, Greece

14.50 Keynote Address: Analysing the prospects for integrating the SEE energy market to deliver low cost energy sustainably

- Will market integration lead to improved energy efficiency?
- What key steps need to be taken to kick-start the integration process?
- What are the regulatory and system challenges?

Hermann Scheer, Member of German Parliament, President of EUROSOLAR

15.20 Discussion: Desertec – Europe's sustainable energy future?

- Outlining the Desertec project
- Can it work in practice? What are the challenges and opportunities?
- Building international cooperation for the project?
- Overcoming the grid connection issues
- Addressing the EU security of supply considerations
- Who will finance Desertec?

Gerhard Knies, Chairman of the Board, Desertec Foundation

Nick Mabey, Chief Executive, E3G

16.00 Afternoon refreshments

Building Sustainable Cities

16.20 Case Study: Masdar - Building a zero carbon city

- Is zero carbon really possible?
- Assessing the challenges of designing and constructing a zero carbon city focusing on:
 - energy conservation
 - waste management
 - renewable power
 - transportation
- Calculating the costs vs. the benefits
- Learning the lessons from other cities
- Implications for other cities

16.50 Panel: Making the transition to a low carbon city

- Developing partnership between public and private sector and citizens
- Financing the transition – who pays?
- Introducing smart metering and grids to control energy consumption and facilitate decentralized production
- Assessing retrofit solutions that provide the greatest carbon savings for housing and commercial buildings
- Steps to improve the energy efficiency of city transport networks – what progress is being made towards full electrification of transport?
- Developing sustainable waste management initiatives

Simon Reddy, Executive Director, C40 Cities

Paolo Bertoldi, DG JRC, European Commission

17.30 Close of Day One

Day Two 19th May 2010

08.45 Arrival of Delegates

Harnessing Solar Power

09.30 Assessing solar power markets in the region - A comparative market analysis: Italy, Greece, Bulgaria

- Licensing regimes - Problems encountered
- Evaluating economic incentives
- Project financing
- Financial crisis impact
- The way forward

Dimitris Assimakis, Senior Associate, Norton Rose

10.00 Panel: Building and financing large scale solar power projects

- Assessing the feasibility and viability of solar power projects in the current climate
- Raising finance - reviewing recent deals and projects
- Implementing solar energy infrastructure project finance
- Measuring ROI vs. risks

Thorsten Rauch, Regional Manager for South Europe, Abengoa Solar

10.40 Morning refreshments

Exploiting the potential of wind energy

11.00 Case study: Wind energy for business

- Calculating the investment and costs involved of using energy from wind sources
- Assessing the security of supply issues
- Grid connected vs. standalone wind turbines – costs vs. benefits

11.20 Panel: Capturing the potential of wind energy in the Mediterranean

- Reviewing the recent wind energy developments in the region
- Examining the ROI of offshore vs. onshore wind developments
- Assessing the latest developments in next generation wind power technology: grid integration, offshore, wind turbine technology and plan operation
- Improving the cost competitiveness of wind power to make it easier to raise project finance

Energy from Biomass

12.00 Sustainable biomass in Southeast Europe and the Mediterranean

- Reviewing current trends in bioenergy and biorefineries
- Exploiting the low water and low emission energy crops for bioenergy
- Examining the economic impacts on agriculture
- Assessing the energy implications of large scale biomass development

Dr. Calliope Panoutsou, Co-Chair, European Biofuels Technology Platform Working Group on Biomass Resources and Research Fellow for Environmental Policy, Imperial College London

Carbon Capture & Storage

12.20 Panel: Can CCS offer a sustainable solution to secure energy supplies for Greece and Southeast Europe?

- Assessing the region's dependence on lignite/coal for energy

- What are the regulatory and infrastructure prerequisites for CCS?
- Reviewing the progress in CCS technology
- Incorporating CCS technology into energy planning for the future
- Criteria for identifying suitable storage sites
- Contribution of research and development in developing further CCS technology

Frederic Hauge, Founder, Bellona Foundation

Vassilios Kougionas, DG RTD, Energy Directorate, EU Commission

12.30 Lunch

Adapting Tourism to Climate Change

13.40 Keynote Address: Protecting and adapting tourism in the face of climate change

- What are the practical implications of climate change for tourism in Southeast Europe and the Med?
- What steps does the Government and tourism industry need to take to protect against future problems in relation to water, waste, fire and conservation?
- Adapting to changing weather patterns – should the tourism season lengthen?

14.00 Case study: Turning climate change challenge into tourism opportunity

- Exploring the potential for the development of 'green tourism' initiatives in the region
- Financing green tourism development
- Aligning touristic development with conservation and energy efficient practices
- Case study examples

Low Carbon Shipping

14.30 Panel: A low carbon future for the shipping industry?

- Analysing the figures for climate change emissions from shipping
- What steps are being taken to cut carbon in this industry?
- Where does shipping fit into emissions trading?
- What steps can ship owners take to reduce emissions and make shipping more sustainable?

Theodore Veniamis, President, Union of Greek Shipowners

15.00 Afternoon refreshments

Sustainable Business

15.20 Case study: Green Banking

- Outlining the aims and objectives of green banking
- What practical steps are being taken to reduce the bank's carbon footprint
- What return on investment can be achieved from green banking?
- Creating green business opportunities for corporate and individual clients

15.50 Making emissions trading work in Southeast Europe

- Reviewing the national emissions allocation plans for the countries of Southeast Europe
- The challenge of meeting emission reduction targets
- Calculating the price of carbon – can one price fit all sectors?
- Key risks vs. rewards of carbon trading for business

Simone Ruiz, European Policy Director, International Emissions Trading Association

16.20 Financiers Panel: Financing sustainable energy developments in Southeast Europe

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- Evaluating the investments required
- What is the role of international financial institutions in financing energy and climate security developments?
- Technology vs. infrastructure vs. direct energy investments – which sectors will generate real returns?
- Debt financing and the impact of the credit crunch
- Private equity and venture capital: investment opportunities and exit strategies

Juan Alario, Associate Director, Head of Energy Efficiency & Renewable Energy Division, European Investment Bank

17.00 Chairman's Closing Remarks

17.15 Close of Conference