



**2008 BP MADRID FORUM ON ENERGY &  
SUSTAINABILITY**

**Promoting investment in low-carbon  
energy technologies**

April 16 (full day) & 17 (morning), 2008

Madrid, Spain

**BP CHAIR ON SUSTAINABLE DEVELOPMENT**

**Comillas University**

With the collaboration of



## INTERNAL SESSIONS<sup>1</sup>

Venue: Headquarters of the Spanish Energy Club

Paseo de la Castellana 257, Madrid

Technology policies are a major component of the future global climate regime. Their importance has been remarked repeatedly in past negotiations, with some countries choosing these policies as their sole approach to reducing carbon emissions. This has gained more momentum recently, with some public statements stressing the limitations of carbon pricing approaches and the need for specific technology policies to push for technology change and achieve the reductions in emissions required to comply with the climate objectives.

The objective of the 2008 BP Forum is therefore to discuss the best ways in which low-carbon energy technologies can be specifically promoted from the regulatory point of view, and within a global climate change regime. We shall examine specific promotion policies for energy efficiency and savings, renewable energies, clean coal, and nuclear. We shall also address the interactions between technology policy and climate change policies.

The emphasis of all sessions should be placed on trying to identify preferred policies, both from the academic and the industrial point of view and to provide practical recommendations for policy makers on the design of these policies.

Examples of the questions we are expected to answer are:

- Which appear to be the more efficient and effective policies for the promotion of low-carbon energy technologies, if possible based on actual experiences?
- How to take advantage of market instruments?
- Which are the requirements of firms to invest in low-carbon technologies, and how can these requirements be incorporated in promotion policies?
- How should carbon policies and technology policies be harmonized to take advantage of the synergies and avoid duplications and negative interactions?
- Which are the technology-specific issues which should be addressed?
- How much emphasis should be placed on public support of research and development and which are the interactions with other promotion measures?
- Which are the differences in the recommended approaches for all these issues between industrialized and developing countries and how to address the transfer of technology?

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<sup>1</sup> *On the morning of Friday November 17 there will be an academic activity at Comillas University on the same topic as the Forum and open to the public. The Forum participants that are still in Madrid are welcome to attend to this event whose program is announced at the end of this prospectus.*

This year the BP Forum will be held back-to-back with the High-Level Seminar of the European Climate Platform (ECP), which is an initiative by Mistra's Climate Policy Research Program (Clipore) and the Centre for European Policy Studies (CEPS), see [http://www.ceps.eu/wAbout.php?article\\_id=36](http://www.ceps.eu/wAbout.php?article_id=36) for related activities of the ECP. Holding the two events back-to-back will help attracting the high-level audience that is envisaged. Specifically, during the morning of Thursday April 17<sup>th</sup> it is expected that some cross-fertilization between both events will take place.

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## **Wednesday April 16<sup>th</sup>**

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### **8:30 – 9:00. Registration and coffee**

### **9:00 – 9:15. Welcome and participant introductions**

#### **9:15 – 9:45. Introduction**

- The issues to be addressed. Presentation of the agenda of the 2008 Forum.  
*Ignacio Pérez-Arriaga*  
*Director, BP Chair on Sustainable Development, Comillas University*

#### **9:45 – 11:15. SESSION 1: PROMOTING INVESTMENT IN RENEWABLES**

- *Chair: Domingo Jiménez Beltrán*  
*Advisor, Spanish Sustainability Observatory; former Director of the EEA Spain*
- First perspective. Regulatory instruments to deliver the full potential of renewable energy sources efficiently (*20 min. presentation*)  
*Reinhard Haas*  
*Energy Economics Group (EEG), Vienna University of Technology.*  
*Austria*
- Second perspective. Universal energy access & rural electrification in developing countries. Promoting investment in clean energy technologies (*20 min. presentation*)  
*Ivan Nygaard*  
*UNEP RISØ Center*  
*Denmark*
- Discussion

### **11:15 – 11:45. Coffee break**

## **11:45 – 13.15. SESSION 2: PROMOTING INVESTMENT IN ENERGY EFFICIENCY & CONSERVATION**

Chair: *Andrew Warren*

*Director, Association for the Conservation of Energy  
UK*

- First perspective. The Italian experience. White certificates in electricity and gas. The regulatory viewpoint. *(20 min. presentation)*  
*Arturo Lorenzoni*  
*IEFE, Bocconi University*  
*Italy*
- Second perspective. The French experience on policy instruments to promote energy efficiency. *(20 min. presentation)*  
*Dominique Finon*  
*Centre International de Recherche sur l' Environnement et le Développement (CIRED), CNRS-Paris.*  
*France*
- *Discussion*

## **13:15 – 14:15. Lunch**

## **14:15 – 15:45. SESSION 3: PROMOTING INVESTMENT IN CLEAN FOSSIL FUEL TECHNOLOGIES**

- *Chair: David Newbery*  
*University of Cambridge*  
*UK*
- First perspective. *(20 min. presentation)*  
*Simon Worthington*  
*BP*
- Second perspective. *(20 min. presentation)*  
*Eloy Álvarez Pelegry*  
*Unión Fenosa*
- *Discussion*

## **15:45 – 16:15. Coffee break**

**16:15 – 18.00. SESSION 4: SESSION 4: PROMOTING INVESTMENT IN NUCLEAR**

- *Chair: Jacques de Jong  
Clingendael Institute  
The Netherlands*
- *First perspective. (20 min. presentation)  
William J. Nuttall  
Electricity Policy Research Group  
University of Cambridge  
UK*
- *Second perspective. (20 min. presentation)  
Félix Alonso de las Fuentes  
Iberdrola*
- *Discussion*

**20:00. Dinner**

*Welcome address  
Alfredo Barrios  
Chairman of BP Spain*

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**Thursday April 17<sup>th</sup>**

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**9:00 – 10:30. SESSION 5: INTERACTION BETWEEN CARBON POLICIES & TECHNOLOGY POLICIES**

- *Chair: Christian Egenhofer  
Centre for European Policy Studies (CEPS)  
Belgium*
- *The perspective of the technology policies (30 min. presentation)  
<based on the presentations of the preceding day>  
Pantelis Capros  
National Technical University of Athens  
Greece*
- *The perspective of the carbon policies (30 min. presentation)  
Michael Grubb  
Carbon Trust; Climate Strategies; and Cambridge University.  
United Kingdom*
- *Discussion (30 min.)*

**10:30 – 11:00. Coffee break**

**11:00 – 12:45. SESSION 6: PANEL ON THE ROLE OF THE TECHNOLOGY PATH IN THE FUTURE CLIMATE REGIME**

- *Chair: Frank Convery  
University College of Dublin  
Ireland*
- *Panelists*
  - *Henry Derwent, IETA, UK*
  - *Christiana Figueres, Center for Sustainable Development in the Americas, Costa Rica*
  - *Bo Kjellen, Stockholm Environmental Institute, Sweden*
  - *Teresa Ribera, Spanish Office for Climate Change, Ministry for the Environment, Spain*
  - *Jiahua Pan, Research Centre for Sustainable Development, China*
- *Discussion*

**12:45 – 13:00. Closure of the Forum**

- *Final comments and wrap-up. Feedback from participants and plans for future Forums.  
Emilio Estrada, BP  
Ignacio Pérez-Arriaga, Comillas University*

**13:00 – 14:00. Lunch**

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PUBLIC SESSION

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**Friday April 18<sup>th</sup> 12:30 – 14.15**

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**Welcome**

*José Ramón Busto Sáiz*

*Rector, Comillas University*

**Summary of the Internal Sessions of the 2008 BP International Forum  
on Sustainable Development**

- Promoting investment in low-carbon energy technologies

*Ignacio Pérez-Arriaga*

*Director of the BP Chair on Sustainable Development, Comillas University*

**Assessing the world's efforts in climate change**

*Christiana Figueres*

*Center for Sustainable Development in the Americas*

**Closure**