



## New Approaches to Secure Europe's Energy Supplies

### Agenda

**29 January 2009**

Venue: CEPS, Conference Room  
Place du Congrès 1 – 1000 Brussels; Tel. +32 2 229 3911

**09:30** *Registration*

### INTRODUCTION

Research plays a critical role in the elaboration of adequate and cost-effective policy measures aimed at Securing Europe's Energy Supplies. Several EU projects are addressing this issue. One of them, the SECURE project, started in 2008 and is aimed at building a comprehensive framework for measuring security of energy supply in the EU. Assessing the risks related to geopolitics, price formation and the economic and technical design of energy markets inside and outside the EU, the SECURE project focuses on both qualitative and quantitative analyses, adopting a global as well as a sectoral approach. The tools, the models and the policy recommendations provided by this project will serve policy-makers to formulate energy security policies taking into account the related costs, benefits and risks.

**10:00** Welcome by **Christian Egenhofer**, CEPS, Senior Research Fellow,

**10:10** Introduction to the SECURE project by **Pedro Moraleda**, OME, General Director

**10:20** Scientific aspects of the SECURE project by **Manfred Hafner**, FEEM, Senior Researcher

### SESSION I. "Long-term energy security risks for Europe: a sector-specific approach"

The aim of this section is to identify and evaluate existing and potential EU energy supply risks on the basis of a sector-specific approach. Moving away from common generalisations on security of energy supply as well as from those studies which focus only on one sector, we would like to bring together all fuels and analyse the risks related to each of them. The outcome is a comprehensive picture of the energy security challenges faced by the EU in the long-term. The idea is to build a map from which policy-makers could identify policy options to address sector-specific challenges.

**10:30** Presentation by **Arianna Checchi**, CEPS, Research Fellow

**10:50** Comments by **Jacques de Jong**, CIEP, Senior Fellow

**11:00** Comments by **Susanne Nies**, IFRI, Senior Research Fellow

**11:10** Open discussion

**11:40** *Coffee break*

## **SESSION II. “Vulnerability to energy supply risks across Europe: revisiting the existing indicators”**

Indicators for measuring security of energy supply are key instruments for policy-makers in the EU: they help to assess the level of import dependence and economic vulnerability of different European countries. However, the available indicators seem to be inappropriate for this purpose. A substantial effort to harmonise and fine-tune these indicators is needed to include all energy sources and to integrate both quantitative and qualitative information according to the geopolitical and technical context. The study presented in this session highlights the strengths and weaknesses of currently indicators to measure EU member states’ vulnerability to security of energy supply.

**12:00** Presentation by **Andrea Bigano**, FEEM, Senior Researcher

**12:20** Comments by **Jaap C. Jansen**, ECN Policy Studies, Senior Researcher Fellow

**12:30** Open discussion

**13:00** *Lunch*

## **SESSION III. “A full cost approach to energy policy: results from the CASES project”**

This session will present some key results from the CASES project (Cost Assessment of Sustainable Energy Systems, FP6). It deals with policy options for improving the efficiency of energy use, taking into account both external and internal costs of electricity generation for different energy sources. Alternative policy options will be assessed based on the full cost of energy, and recommendations will be presented on the use of different policy instruments for the internalisation of the external costs of energy production.

**14:00** Presentation on policy results of CASES by **Wouter Nijs**, Vito nv, Research Fellow

**14:20** Open discussion

#### **SESSION IV. “Europe’s Energy Future: An Overview of Scenarios”**

The aim of this section is to present five scenario storylines focusing on the EU’s energy policy priorities: security of supply, competitiveness and climate change. The qualitative storylines are based on a pre-running exercise of the POLES model for two different reference years (2030 and 2050). The POLES model has been designed in order to provide year-by-year simulations of the world energy system, focusing on key technologies that may play a role in the future of the energy system. Overall, the purpose of this qualitative and quantitative analysis is to assess risks and uncertainties attached to contrasted scenarios for future energy supply, demand, prices and climate change factors.

**14:45** Presentation by **Patrick Criqui**, University of Grenoble/LEPI-CNRS, Director

**15:05** Comments by **Hans van der Loo**, Shell International, Head European Union Liaison

**15:25** Open discussion

#### **CONCLUSIONS**

**16:00** Conclusions and wrap-up by **Christian Egenhofer**, CEPS, Senior Research Fellow and **Manfred Hafner**, FEEM, Senior Researcher

**16:30** *End of the meeting (at the latest)*