

European Energy and Climate Policies beyond 2030

**Euro-CASE Annual Conference Evening
Event, Brussels, December 2, 2014**



Euro-CASE

DEAR DISTINGUISHED GUESTS OF EURO-CASE'S ENERGY AND CLIMATE POLICY EVENT,

The European Union aims at substantially reducing its carbon-based energy supply and the European Commission put forward a framework for climate and energy policies for 2030. This framework and its goals of providing affordable, sustainable and secure energy for all Europeans have been intensively debated over the past months. Euro-CASE will contribute also in the future with scientific analysis and an outline of policy options both of which are ever more vital for reaching more evidence-based political decisions. Thus I am particularly delighted with the work of the Euro-CASE Energy Platform that has contributed in a forward looking and constructive way in particular to the efforts of reforming the European Emissions Trading System (EU ETS). We are happy to discuss this and other pressing topics such as challenges for the future European electricity system and energy and climate policies beyond 2030 at this year's Euro-CASE Annual Conference Evening Event with high ranking representatives of the European Parliament, the European Commission and the Academies across Europe.

I wish you stimulating and inspiring discussions.

Reinhard F. Hüttel, Chairman of Euro-CASE and President of acatech, Germany



INFORMATION ON THE EURO-CASE ENERGY PLATFORM

Euro-CASE decided to establish a platform on energy and climate policies in 2013. Almost all the academies across Europe are working on the topics of energy and climate. The future design of the European energy system is of fundamental importance for meeting the proposed EU energy and climate targets for 2030.

The Euro-CASE Energy Platform provides evidence-based policy advice and is co-chaired by Ottmar Edenhofer, acatech, Germany, Bernard Tardieu, NATF, France and Bo Normark, IVA, Sweden. It is based at the interface between science, industry and politics and develops independent and evidence-based policy options for policy makers and society regarding energy and climate policies beyond 2030.

So far the Platform has published one report on "Reform Options for the European Emissions Trading System" and also works on the challenges for the future European electricity system. Subjects such as interactions and trade-offs between a new EU industrial policy, green growth, security of supply and sustainability are intended to be addressed in the future.

Information on the Euro-CASE Energy Platform:

<http://tinyurl.com/m94qcrm>

Download the report "Reform Options for the European Emissions Trading System" here:

<http://tinyurl.com/o83vf45>



EURO-CASE EVENT

“EUROPEAN ENERGY AND CLIMATE POLICIES BEYOND 2030”

Date: 2 December 2014, 18:00–21:00

Venue: Academy Palace, Rue Ducale 1, 1000 Brussels, Auditoire Albert II. Nearest metro station: Trône / Nearest bus stop: Ducale

Moderator: Gail Edmondson, Science|Business

Registration open: <http://tinyurl.com/kr33ozr>

17:45	Registration
18:00	Welcome: Jean-Louis Migeot , President Académie Royale des Sciences, des Lettres et des Beaux-Arts, Belgium
	Introduction: Reinhard F. Hüttel , Chairman of Euro-CASE and President of the National Academy of Science and Engineering, acatech, Germany, Chairman of the Board of Trustees of the German Science Academies' project "Energy Systems of the Future"
18:15	Panel discussion with introductory statements: “After the Council Decision: Are European Energy and Climate Policies ambitious enough? What are the consequences for the COP 2015 in Paris?” Jerzy Buzek , MEP, Chair of the Committee on Industry, Research and Energy of the European Parliament (ITRE) Vincent Mages , Vice President Climate Change Initiatives, Lafarge, Convener of the “Energy and Climate Change working group” of the European Round Table of Industrialists (ERT) Bo Normark , Co-Chair of the Euro-CASE Energy Platform, Senior Advisor Power Circle AB, Fellow of the Royal Swedish Academy of Engineering Sciences (IVA) Dominique Ristori , Director-General of DG Energy, European Commission Discussion with the audience
19:30	Speech: Peter Van Kemseke , Cabinet of EU-Vice President for Energy Union Maroš Šefcovic
19:45	Panel discussion with introductory statements “European Energy and Climate Policies beyond 2030” Gianluca Alimonti , INFN (National Institute for Nuclear Physics), Fellow of SIF (Italian Physical Society), Fellow of the Italian Council of Applied Science and Engineering – Cisai, and Professor of Energy Fundamentals at University of Milano Bertrand van Ee , CEO Climate-KIC, President of the Academy of Technology and Innovation (AcTI, Netherlands), former Chairman and CEO of Royal Haskoning DHV Hans Hvidtfeldt Larsen , Fellow of Danish Academy of Technical Sciences, Vice Dean of DTU National Laboratory for Sustainable Energy Peter Lund , Chair of EASAC's Energy Programme, Professor for Engineering Physics and Advanced Energy Systems at Aalto University, Fellow of the Technology Academy Finland (TAF) Discussion with the audience
20:45	Reception

ABOUT EURO-CASE

The European Council of Academies of Applied Sciences, Technologies and Engineering (Euro-CASE) is an independent non-profit organization of National Academies of Engineering, Applied sciences and Technologies from 21 European countries. Euro-CASE acts as a permanent forum for exchange and consultation between European Institutions, Industry and Research. Through its Member Academies, Euro-CASE has access to top expertise of around 6.000 Fellows from science, research, engineering and business and provides impartial, independent and balanced evidence-based policy advice to European Institutions and national Governments.

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SPEAKERS

REINHARD F. HÜTTL



Reinhard F. Hüttl is Chairman of Euro-CASE since May 2013 and President of acatech – National Academy of Science and Engineering in Germany. He is Scientific Executive Director and Chairman of the Board at the Helmholtz Centre Potsdam – GFZ German Research Centre for Geosciences. He was member of the German Government's Ethics Commission on the Safe and Secure Provision of Energy which was established in March 2011. He is currently Chairman of the Board of Trustees of the German Science Academies' project "Energy Systems of the Future". He is member of a number of national and international Academies, received an honorary doctorate from the University of Vienna in 2004 and was conferred with the Cross of Merit, First Class of the Federal Republic of Germany in July 2008.

JEAN-LOUIS MIGEOT



Jean-Louis Migeot is the current President of the Académie Royale de Belgique (ARB) and Chairman of the Belgian Academies Council for the Applications of Science. He is a Civil Engineer, with an MBA and a PhD degree in Acoustics. He is also a Professor at the Université Libre de Bruxelles. Migeot is the co-founder and CEO of the high-tech company Free Field Technologies, which has subsidiaries in France, Japan, the US and Russia, and which has been awarded several prizes including the Best Export Company Award in 2006. Their world leading acoustic simulation software developed by Free Field Technologies is used by over 400 large industrial companies to help them design less noisy and quieter products. Migeot is also a Board member of several public institutions and companies.

GAIL EDMONDSON



Gail Edmondson (Moderator) is editorial director at Science|Business, a London and Brussels-based media group and network focused on innovation, new technologies and entrepreneurship. Since 2011 she has overseen a series of high-level energy technology policy symposia in Brussels and Berlin. A former bureau chief and senior European correspondent for Business Week, Gail has reported on European technology, industry and economics for more than 20 years. Prior to joining Science|Business in 2009, she spent a year at the OECD as strategic communications manager in the Science, Technology and Industry directorate. An award-winning journalist, she holds a bachelor's degree from Cornell University and a master's degree from Stanford.

JERZY BUZEK



Jerzy Buzek MEP is a Polish politician and professor of technical sciences, former Prime Minister of Poland (1997-2001) and former President of the European Parliament (2009-2012). Member of the European Parliament (EPP) since 2004, he is currently chairing the EP's Committee on Industry, Research and Energy (ITRE) and the Conference of Committee

Chairs. He was rapporteur for the Seventh Framework Programme for Research and Innovation as well as the rapporteur for the European Strategic Energy Technology Plan and initiator of the European Energy Community and the EU Internal Energy Market.

HANS HVIDTFELDT LARSEN



Hans Hvidtfeldt Larsen is Vice Dean and Head of DTU National Laboratory for Sustainable Energy, Technical University of Denmark. He has a PhD and MSc in Physics from the Technical University of Denmark. He has many years of experience with Energy systems analysis, intelligent energy systems, future prospects for new and renewable energy technologies, energy scenarios, climate change mitigation options and global perspectives. He is member of the Danish Academy of Technical Sciences and World Energy Council, Programme Committee 2004-2010, president of the Danish Member Committee of World Energy Council. He was member of the Bureau for the Intergovernmental Panel on Climate Change (2003-2007). He is member of the executive committee for European Energy Research Alliance since 2012. He was chairman of the Management and Policy Committee for UNEP Collaborating Centre on Energy and Environment 1990 – 2011. He is editor-in-chief for the DTU International Energy report series.

DOMINIQUE RISTORI



Dominique Ristori is Director-General of the Directorate-General Energy. He has worked in the European Commission since 1978 and has held several senior positions. Prior to his current posting, he was Director-General of the Joint Research Centre (JRC) from 2010 to 2013. Between 2006 and 2010 Mr Ristori was Deputy Director General of DG Energy and Transport. From 2000 to 2006, he was Director in charge of General Affairs and Resources in DG Energy and Transport. Mr Ristori played an important role in the preparation and adoption process of the two first Directives on the Internal Market for gas and electricity. He also successfully launched the Florence and Madrid Fora for electricity and gas at the start of the regulatory process in the energy sector.

GIANLUCA ALIMONTI



Gianluca Alimonti is researcher at the Italian National Institute for Nuclear Physics (INFN). He is fellow at the Italian Physical Society (SIF) and Professor of Energy Fundamentals at University of Milano. After graduating in Physics, he has been Guest Scientist for 4 years at Fermilab in Chicago where he assembled and managed the silicon microstrip magnetic spectrometer in Focus, Charm photo production experiment. After coming back to Italy as researcher at INFN, he joined the Atlas experiment at CERN in Geneva, collaborating at the realization of the silicon pixel tracker. Given the experience gained with silicon detectors, he has patented a high efficiency solar cell and he now holds the class Fundamentals of Energy with the master degree in Physics for the Università degli Studi in Milan. He is member of the Energy Group of the European Physical Society.

BERTRAND VAN EE



Bertrand van Ee, President of the Dutch Academy of Technology and Innovation (AcTI), is the CEO of the Climate-KIC, the EU's largest public-private innovation partnership focused on mitigating and adapting to climate change. Most recently he was chairman and CEO of Royal HaskoningDHV (DHV), one of Europe's leading project management, engineering and consultancy service providers. Prior to his role at DHV, Bertrand van Ee had worked over a 21-year career at Fluor, a multinational engineering and construction firm headquartered in the US.

PETER D. LUND



Peter D. Lund, Fellow of TAF, is Professor in Advanced Energy Systems at Aalto University (Helsinki) where he chairs the Energy Science Initiative. He is also Visiting Professor in Wuhan, China. His primary interest is on sustainable energy systems, innovations, and policies. Dr. Lund is active in senior roles with EU initiatives in energy: he chaired the Advisory Group Energy of E.C. 2002-06, he chairs the Energy Steering Panel of European Academies Science Advisory Council (EASAC) and is steering committee member of the European Platform of Universities in Energy Research and Euro-CASE energy platform. He has served in advisory role in many energy programmes worldwide, including IEA, EIT, Baltic and Russia cooperation. Dr. Lund is Editor-in-Chief for Interdisciplinary Reviews: Energy and Environment and Editor-Europe for Energy Research (Wiley). Peter Lund has given numerous invited talks and written 500+ research papers on energy.

VINCENT MAGES



Vincent Mages, Vice President for Climate Change Initiatives at Lafarge. Graduated from ESCP business school (Ecole Supérieure de Commerce de Paris) in 1982, Vincent Mages has been working in the publishing sector with international sales responsibilities before joining Lafarge in 1988.

Within Lafarge, he has occupied various positions in France and in Japan, in the cement, in the aggregates and in the gypsum activities, in marketing business development and strategy. Before becoming the Climate Change Initiatives VP in October 2006, Vincent Mages was the Group's Internal Communications VP. He is currently chair of the "Climate Change Committee" of Medef, co-chair of the "Energy & Climate Change" working groups of GEMBUREAU and of CSI (Cement Sustainability Initiative) and convenor of the "Energy & Climate Change" working group of the ERT.

BO NORMARK



Bo Normark, Fellow of IVA, Co-Chair of the Euro-CASE Energy Platform, is Senior Advisor at Power Circle AB, a company promoting the electrical industry owned by representatives from the Swedish Electric Power Industry and Universities. He is member of the Research Board of the

Swedish Energy Agency and a member and Former Chairman of the Electrical Engineering Division at the Royal Swedish Academy of Engineering Sciences. He is a Board member of the Swedish National Grid Company and Vice Chairman of the National Council for Smartgrids appointed by the Swedish Minister of Energy. He is thematic leader at KIC InnoEnergy for Smart Grids and Electric Storage. He has more than 35 years of industrial experience from ABB including development, design, project management and global management of the Power Systems business including Smartgrid Technologies such as FACTS and HVDC.

EURO-CASE MEMBER ACADEMIES

Académie Royale des Sciences, des Lettres et des Beaux-Arts de Belgique – ARB (www.academieroyale.be), Croatian Academy of Engineering – HATZ (www.hatz.hr), Engineering Academy of the Czech Republic – EA CR (www.eacr.cz), Danish Academy of Technical Sciences – ATV (www.atv.dk), Technology Academy Finland – TAF (www.technologyacademy.fi), National Academy of Technologies of France – NATF (www.academie-technologies.fr), National Academy of Science and Engineering – acatech (www.acatech.de), Technical Chamber of Greece – TCG (web.tee.gr), Hungarian Academy of Engineering – HAE (www.mernokakademia.hu), Irish Academy of Engineering – IAE (www.iae.ie), Italian Council of Applied Science and Engineering – Cisai/Fast (www.fast.mi.it), Netherlands Academy of Technology and Innovation – AcTI (www.acti-nl.org), Norges Tekniske Vitenskapsakademi – NTVA (www.ntva.no), Polish Academy of Sciences – PAN (www.pan.pl), Portuguese Academy of Engineering PAE (www.ordemengenheiros.pt), Academy of Technical Sciences of Romania – ASTR (www.astr.ro), Slovenian Academy of Engineering IAS (www.ias.si), The Royal Academy of Engineering – Spain RAI (www.raing.es), The Royal Swedish Academy of Engineering Sciences – IVA (www.iva.se), Swiss Academy of Engineering Sciences SATW (www.satw.ch), The Royal Academy of Engineering – RAEng (www.raeng.org.uk)