

Berlin Conference on Energy and Electricity Economics (BELEC 2015)

Cross-Border Coordination for Sustainable Energy Security – Theory and Policy Lessons from Different Sectors

28-29 May, 2015

Opening Roundtable and Reception 27 May, 2015

Berlin

Wednesday, 27 May, 2015

Opening Roundtable in cooperation with Stiftung Mercator, DIW Berlin, and TU Berlin

Venue: Mercator Center Berlin
Neue Promenade 6, 10178 Berlin

Cross-border coordination of energy markets is essential to achieve the energy transformation in the European context. However, when it comes to the implementation of cross-border coordination, some challenges arise: the optimal scope of integration into single market zones, the sharing of costs and benefits, and the concrete steps of deploying cross-border agreements, etc. The panel discussion will highlight the current challenges from the perspective of different stakeholders (investors, utilities, regulator, policy analysts) from different European countries.

18.00h	Registration
18.30h	Welcome and Introduction Dr. Lars Grotewold Stiftung Mercator
18.45h	Panel discussion on “Cross-border Cooperation for Sustainable Energy Security in Europe“ Dr. Patrick Graichen Agora Energiewende Dr. Gerd Küpper GDF SUEZ Belgium Anders Kofoed-Wiuff Ea Energy Analyses Denmark Sabine Augustin E.ON Global Commodities Prof. Claudia Kemfert DIW Berlin Prof. Christian von Hirschhausen TU Berlin Chair: Sven Egenter Chief editor “Clean Energy Wire”
20.15h	Reception, Snacks

Thursday, 28 May, 2015

Venue: DIW Berlin | Schumpeter Hall
Mohrenstraße 58, 10117 Berlin

08.00h	Registration, Coffee & Tea	
09.00h	Welcome Prof. Claudia Kemfert DIW Berlin Prof. Christian von Hirschhausen TU Berlin	
09.15h	Keynote Ross Baldick University of Texas Market Design, Market Integration and Energy Security - A North American Perspective	
10.00h	<p>Session 1 (Schumpeter Hall, 1st floor)</p> <p>Next Steps for Intraday and Balancing Markets: Learning from the Current Situation in Europe</p> <p>Karsten Neuhoff DIW Berlin (chair): Intraday Auctions versus Continuous Trade</p> <p>Tomasz Siewierski Lodz University: Aligning System Requirements and Short Term Market Operation</p> <p>Giorgia Oggioni University of Brescia: Intraday e Balancing Markets in Italy: Approach, Lessons Learnt and Way Forward</p>	<p>Session 2 (Dulles Room 5th floor)</p> <p>Coordination in European Natural Gas Markets</p> <p>Peter Hohaus E.ON: Cross-border Coordination for Sustainable Energy Security - The Importance of Natural Gas</p> <p>Franz Hubert HU Berlin: European Natural Gas Supply: Cooperative Game Theoretic Analysis</p> <p>Franziska Holz DIW Berlin (chair): The Role of Natural Gas in a Low-Carbon Europe Infrastructure and Regional Supply</p>
11.30h	Vitamin Break	
11.45h	<p>Session 3 (Schumpeter Hall, 1st floor)</p> <p>Integration of Renewable Electricity Generation</p> <p>Charlotte Senkpiel Fraunhofer ISE: Cost Minimal Transformation Path of Central Europe's Electricity System</p> <p>Lion Hirth PIK/neon energy: System-friendly Wind and Solar Power - How Advanced Plant Design Can Increase the Economic Value of Electricity Generated by Wind Power and Solar PV</p> <p>Thure Traber DIW Econ (chair): Renewable Energy Support in Germany - Surcharge Development and the Impact of a Decentralized Capacity Mechanism</p>	<p>Session 4 (Dulles Room 5th floor)</p> <p>CO₂-Sequestration and Transport</p> <p>Joachim Geske FZ Jülich: Can Vessels Contribute to Economic Cross-border CO₂ Transport Systems?</p> <p>Pao-Yu Oei TU Berlin/DIW Berlin (chair): European-wide and Regional Scenarios for CO₂ Infrastructure using CCTSMOD</p>
13.15h	Lunch	
14.15h	Humboldt Lecture Steven A. Gabriel University of Maryland Energy Insecurity: From Cologne to "Cowboyistan"	

15.00h	<p>Session 5 (Schumpeter Hall, 1st floor)</p> <p>European Electricity Grid Expansion</p> <p>Martin Greiner Aarhus University: Power Flow Tracing in a Simplified Highly Renewable European Electricity Network</p> <p>Jonas Egerer DIW Berlin/TU Berlin (chair): European Electricity Grid Infrastructure Expansion in a 2050 Context</p>	<p>Session 6 (Dulles Room, 5th floor)</p> <p>Carbon Markets</p> <p>Andreas Schröder Vattenfall: EU ETS and the Market Stability Reserve</p> <p>Aleksandar Zaklan DIW Berlin (chair): Does Free Permit Allocation Cause Higher Emissions in the European Electricity Sector? Evidence from a Natural Experiment</p>
16.00h	Vitamin Break	
16.30h	<p>Session 7 (Schumpeter Hall, 1st floor)</p> <p>A Renewable Energy Dominated Power Market: Challenges & Solutions for Market Design and Policy Instruments</p> <p>Christian Gambardella PIK: Welfare Effects of Time-varying Capacity Pricing in Power Markets with High Shares of Fluctuating Renewable Energy Supply</p> <p>Michael Pahle PIK: A Comparison of the Effects of Different Instruments to Induce a High Share of Renewables in Electricity Markets</p> <p>Wolf-Peter Schill DIW Berlin (chair): On the Relevance of Start-up Costs for Markets with Increasing Shares of Renewables</p>	<p>Session 8 (Dulles Room, 5th floor)</p> <p>Challenges in Electricity Regulation</p> <p>Tobias Strobel Stiftung Umweltenergie-recht: The PCI-Regime: European Law's Influence on Electricity Grid Expansion with a Focus on Cross-border Coordination</p> <p>Dierk Bauknecht/Franziska Flachsbarth Oeko-Institut: Challenges in Energy System Planning, including Stakeholder Perspectives</p> <p>Ann-Katrin Lenz TU Berlin (chair): Challenges for Financial and Regulatory Reforms in German Electricity Networks</p>
18.00h	End of Conference Day 1	
19.00h	<p>Conference Dinner</p> <p>Das Meisterstück - Hausvogteiplatz 3, 10117 Berlin</p>	

Friday, 29 May, 2015

Venue: DIW Berlin | Schumpeter Hall
Mohrenstraße 58, 10117 Berlin

08.30h	Registration, Coffee & Tea
09.00h	<p>Welcome</p> <p>Prof. Marcel Fratzscher President DIW Berlin</p>
09.05h	<p>Keynote</p> <p>State Secretary Rainer Baake Federal Ministry for Economic Affairs and Energy Opportunities for Regional Cooperation and Security of Supply in the Framework of the International Market</p>

09.50h	Keynote Achim Wambach University of Cologne/Member of the Monopolies Commission Market Design and Investments in the Electricity Sector	
10.30h	Vitamin Break	
11.00h	Session 1 (Schumpeter Hall, 1 st floor) Capacity Markets: Theory and Empirics Anette Boom Copenhagen Business School: Price Regulations in a Multi-unit Uniform Price Auction Sebastian Schwenen DIW Berlin (chair): Strategic Bidding in Multi-unit Auctions with Capacity Constrained Bidders: The New York Capacity Market	Session 2 (Dulles Room, 5 th floor) International Experience: Latin America and Asia Anoop Singh Indian Institute of Technology Kanpur: Policy, Regulatory and Institutional Approach to Develop a Competitive Regional Power Market in South Asia Juan Rosellón DIW Berlin/CIDE (chair): Reforming the Mexican Electricity Market: Design Issues and Transmission Regulation
12.15h	Lunch	
13.15h	Session 3 (Schumpeter Hall, 1 st floor) Coordination in European Electricity Markets Simeon Hagspiel EWI: Long-term Effects of Congestion Management – Modeling Framework and Large Scale Application Friedrich Kunz DIW Berlin (chair): The Benefit of Coordinating Cross-border Congestion Management	Session 4 (Dulles Room, 5 th floor) Contracts in Natural Gas Markets Danila Bochkarev East West Institute: Long-term Contracts are Dead: Vive Long-term Contracts? Policy Implications Anne Neumann, Christian von Hirschhausen TU Berlin/DIW Berlin (chair): Long-term Contracts in the Natural Gas Sector: An International Survey
14.30h	Panel Session on Nuclear Economics and Policy François Lévêque MINES ParisTech Book presentation „The Economics and Uncertainties of Nuclear Power“ Miranda Schreurs FU Berlin Book presentation: “Nuclear Waste Governance: An International Comparison“ Discussants Raffaele Piria Adelphi Felix Reitz DIW Berlin	
16.30h	End of Conference	

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