

2nd Transatlantic Energy Security Dialogue

Security of Supply in Liberalized Energy Markets

Transatlantic Experiences and Future
Challenges

Participants' Booklet

Jolly Hotel Vivaldi, Berlin, 25 May 2007



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24 MAY 2007

07:30pm **Informal Dinner**
Restaurant Aigner am Gendarmenmarkt

25 MAY 2007

08.30am **Arrival and Registration**

09:00am **Welcome**

Room: Salieri

- *Jörg Himmelreich, Senior Transatlantic Fellow, German Marshall Fund of the United States*
- *Jan Martin Witte, Associate Director, Global Public Policy Institute*

09:20am **PANEL DISCUSSION (I)**

Liberalization of energy markets and security of supply: Transatlantic experiences

Room: Salieri

This panel will introduce the dialogue session with an assessment of the impact of energy market liberalization on security of supply in both the EU and the US. Speakers will discuss consequences of liberalization, and highlight perceived best practice approaches to regulation of liberalized energy markets with a view to safeguarding security of supply. Questions raised will include, among others: What are the potential downsides of liberalization with regard to security of supply? What are appropriate (tested, successful) policy mechanisms (i.e. regulatory measures) with which these downsides can be managed effectively? How can regulatory mechanisms avoid undermining market processes?

Panelists:

- *Richard P. O'Neill, Chief Economic Advisor, Office of Markets, Tariffs and Rates, US Federal Regulatory Commission (FERC)*
- *Rolf Hempelmann, Member of Parliament, SPD*
- *Enno Harks, Political Adviser, BP*

Q&A

10.30am **Coffee break**

11.00am **WORKING GROUP SESSION (I)**

Regulation challenges in liberalized energy markets in the US and the EU

The first working group session will zoom in on a variety of policy issues at the nexus of liberalization and security of supply. The first working group will

focus on the relevance of long-term contracts in natural gas markets for ensuring security of supply while the second two will address challenges of investment in and security of infrastructures and grids.

WORKING GROUP A

Long-term contracts and natural gas: The impact of market liberalization

Room: Salieri

One of the key issues in the debate on the nexus between liberalization of natural gas markets and security of supply in both the EU and the US is related to the impact on long-term contracts and implications for price volatility and levels of investment. Liberalization advocates argue that even if long-term contracts are banned, markets can still deliver on security of supply as long as alternative trading arrangements exist. Opponents posit, in contrast, that without long-term contracts between exporters and wholesalers, increasing price risk would result in less and/or delayed investment, generating security of supply problems. What are the experiences with liberalization of natural gas markets and its impact on long-term contracts in the EU and the US? Did liberalization pose security of supply challenges? How did regulators and the private sector deal with these challenges?

Introduction: *Harry Aas, Director, Gas Marketing Group, Norsk Hydro*

WORKING GROUP B

Investment in infrastructure and grids

Room: Scarlatti

Meeting demand capacity; developing an adequate portfolio to deal with input fuel variations; and ensuring interconnectivity through the construction and upkeep of transmission and distribution networks requires substantial investment for ensuring security of supply. Do liberalized energy markets provide the necessary economic incentives for private firms to conduct the necessary investments? What policy mechanisms are needed to counter regulatory uncertainty and underinvestment? Are market price signals strong enough to stimulate adequate and timely investment? How can demand-side insensitivity (failure to alter consumption behaviour) during peak-demand periods be handled?

Introduction: *Anne Neumann, Research Associate, University Dresden, Chair of Energy Economics and Public Sector Management*

WORKING GROUP C

Securing critical infrastructure

Room: Bellini

A main challenge cited by critics of a liberalized energy market is infrastructure security. What is the appropriate division of roles and responsibilities between the public and private sectors? Who is to pay for infrastructure protection? What is the role for regulation?

Introduction: *Alex de Alvarez, Deputy Director, Infrastructure Security and Energy Restoration, US Department of Energy*

12.15pm Lunch

01.45pm PANEL DISCUSSION (II)

Meeting future energy needs in the context of liberalized markets: Experiences from the US and Europe

Room: Salieri

The extent to which liberalized markets will be able to generate an energy mix that is sustainable from a political, economic and environmental point of view is still unclear. In terms of domestic energy resources, a new debate has started about the role of nuclear energy in enhancing security of supply and potentially slowing down climate change. Coal is also back on the agenda. What political implications exist due to resource dependency in the US and Europe? What has been the effect of energy market reform in the US and Europe on demand? How can a balance be achieved between Europe's interest in reliable gas supply and Russia's concern over secure gas demand? Can liberalized markets function in case there is an oligopoly of (external) suppliers?

Panelists:

- *Ulrik Stridbaek, Senior Policy Advisor on Electricity Markets, IEA*
- *Felix Würtenberger, Senior Advisor, Energie Baden-Württemberg (EnBW)*
- *Christoph Tönjes, Senior Researcher, Clingendael International Energy Programme*

03:00pm Coffee Break

03.30pm WORKING GROUP SESSION (II)

The search for energy security: Towards a new energy mix?

In this working group session, participants will address issues pertaining to liberalized markets and future energy supply. The first working group will focus on potential domestic sources of energy, looking specifically at “clean coal” while the second group will concentrate on external sources, particularly the global market (or lack thereof) for liquefied natural gas (LNG).

WORKING GROUP A

Towards energy independence and security? Investing in domestic sources of energy

Room: Bellini

Some argue that one potential way to address the energy security of future decades is to promote energy independence by relying on energy sources that are abundant in supply and easily controllable, for example “clean coal”. What are the pros and cons of “clean coal”? Given high start-up costs, minimal or nonexistent investment returns in the short- to medium-term, as well as potential regulation uncertainty, what steps can be taken to encourage private investment in these areas? What regulatory steps would be needed?

Introduction: *Wolfgang Dirschauer, Head of Climate Policy, Vattenfall Europe*

WORKING GROUP B

Diversification: External sources of supply

Room: Salieri

High costs of production, transportation and storage have thus far hindered widespread uptake and use of liquefied natural gas (LNG). Despite these challenges, unprecedented growth in the LNG market is expected in the coming years. What problems and benefits would exist in a fully liberalized, rapid-growth LNG market? How can challenges of infrastructure, security and regulation be overcome to ensure safe and efficient delivery in both the EU and US? Will a liberalized energy market provide the necessary economic incentives to private firms to conduct the necessary investments?

Introduction: *Daniel Muthmann, Vice-President Head of LNG Supply and Liquefaction, E.ON Ruhrgas AG*

WORKING GROUP C

Energy efficiency: A resource worth exploiting

Room: Scarlatti

One of the largest “supplies” of energy can be exploited by encouraging conservation mechanisms and requiring greater efficiency standards. As demand among consumers worldwide for electronics and automobiles increases, cost-effective efficiency standards are and will continue to be necessary to help offset unprecedented demand for energy. What measures can be taken to promote energy efficiency worldwide? What role should governments or international organizations play in penalizing or rewarding businesses and consumers?

Introduction: *Jennifer Morgan, Climate Change Programme Director, E3G*

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|----------------|--------------------------------------|
| 04:45pm | Final discussion |
| | Moderated by <i>Jan Martin Witte</i> |
| 05:30pm | Farewell |

List of Participants

Harry AAS

Director, Gas Marketing Group, Norsk Hydro, Oslo

Eltje ADERHOLD

Scientific Coordinator, Working Committee International Policy and Human Rights, Parliamentary Group Alliance 90/The Greens, Berlin

Alex DE ALVAREZ

Deputy Director for Infrastructure Security and Energy Restoration, Department of Energy, Washington DC

Tilman BENZING

Desk Officer, International Energy Policy, German Federal Foreign Office, Berlin

Dr. Reinhold BUTTGEREIT

Director of European Affairs, Vattenfall, Brussels

Juan DELGADO

Research Fellow, Bruegel, Brussels

Wolfgang DIRSCHAUER

Head of Climate Policy, Vattenfall, Berlin

Thomas GEISEL

Senior Vice President and Director, Gas Supplies North, E.ON Ruhrgas, Berlin

Enno HARKS

Political Analyst, British Petroleum in Germany, Berlin

Rolf HEMPELMANN

Member of German Parliament, Spokesman for Energy Affairs, SPD

Dr Jörg HIMMELREICH

Senior Transatlantic Fellow, German Marshall Fund, Berlin

Wade HOXTELL

Research Associate, Global Public Policy Institute (GPPi), Berlin

Michal KOZAK

Student, Hertie School of Governance, Berlin

Daniel KROOS

Directorate-General for Transportation and Energy, Brussels

Mads LIBERGREN

Advisor for Energy, Danish Embassy, Berlin

Jennifer MORGAN

Director, Climate Change and Energy Security, Third Generation Environmentalism, Berlin

Daniel MUTHMANN

Vice-President, Head of LNG Supply and Liquefaction, E.ON Ruhrgas, Essen

Maik NEUBAUER

Chief Operating Officer, Leipzig European Energy Exchange, Leipzig

Anne NEUMANN

Research Associate, University of Dresden, Dresden

Richard P. O'NEILL

Chief Economic Adviser, Federal Energy Regulation Commission, Washington DC

Victoria PANOVA

G8 Research Group, University of Toronto, Director for Russia

Wolfgang SAAM

Student, University of Potsdam, Potsdam

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Associate Director, Global Public Policy
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Tobias WOLNY

Political Advisor, British Petroleum in
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Felix WÜRTENBERGER

Project Manager, Economics, Politics and
Society, Energie Baden-Württemberg AG
(EnBW), Berlin

Participants' Biographies



Harry AAS

Director, Gas Marketing Group, Norsk Hydro

Introductory speaker, working group on *Long-term contracts and natural gas: The impact of market liberalization*

As Director of the Gas Marketing Group of Norsk Hydro in Oslo, Harry Aas focuses on market issues and entry strategies for international gas projects in the Americas, the Middle East, Africa, Europe, Russia and Asia. His main areas of interest include the evolution of both energy supply and demand, climate issues and security of energy supply.

For a number of years, Mr. Aas has also acted as an industry representative for the E&P Forum, the body acting as a main contact between the upstream industry and the EU Commission on European energy issues.

He received his MBA in Finance from the University of Houston, USA in 1978 and worked for a few years in USA before returning to Norway.

Eltje ADERHOLD

Scientific Coordinator, Working Committee International Policy and Human Rights, Parliamentary Group Alliance 90/The Greens, Berlin

Eltje Aderhold, Ph.D. International Law, joined the Working Committee International Policy and Human Rights of the Parliamentary Group Alliance 90/The Greens in 2006. Until 2005 she was member of the German Permanent Delegation to the OSCE in Vienna. Prior to this assignment she worked as a lawyer by formation and career diplomat in Vietnam, Geneva, Macedonia and Afghanistan.



Alex DE ALVAREZ

Deputy Director for Infrastructure Security and Energy Restoration, Department of Energy, Washington DC

Introductory speaker, working group on *Securing critical infrastructure*

Alex de Alvarez became the Deputy Director for Infrastructure Security and Energy Reliability at the U.S. Department of Energy in April, 2004. Previously, he had been the Deputy Director for Operations in the Protective Security Division, Information Analysis and Infrastructure Protection Directorate, Department of Homeland Security. Mr. de Alvarez has been both a security consultant to private industry and the Director of Security & Safety in a Fortune 500 company. He spent several years overseas at U.S. embassies in Europe and Southwest Asia, with a specific focus on

information warfare, terrorism and weapons of mass destruction. He began his career as a U.S. Marine Corps infantry officer. Mr. de Alvarez has a B.A. and a Masters in Political Theory from the University of Dallas and is a Fellow at the Massachusetts Institute of Technology's Seminar XXI on National Security, Politics and the National Interest.



Tilman BENZING

Desk Officer, International Energy Policy, German Federal Foreign Office, Berlin

Since April 2007, Tilman Benzing has been working as a desk officer for International Energy Policy at the German Foreign Office focusing mainly on energy policy issues in the context of the German G8-Presidency. Prior to this, he studied Business Administration and Economics at Eberhard Karls University in Tübingen and Robert Schuman University in Strasbourg, France. He holds Masters-level degree from both universities.



Dr. Reinhold BUTTGEREIT

Director of European Affairs, Vattenfall, Brussels

Dr. Reinhold Buttgereit has been Director of European Affairs at Vattenfall in Brussels since October 2005. Prior to this, he was head of public affairs of Vattenfall Europe in Berlin; Head of Economic Development at Bewag AG Berlin; a consultant for environmental, economic and political issues at PROGROS AG, Basel and Berlin; and held positions at the German Federal Environmental Agency and the European Parliament. He received his doctorate in engineering in 1990.



Juan DELGADO

Research Fellow, Bruegel, Brussels

Juan Delgado, a Spanish citizen, joined Bruegel as a Research Fellow in September 2005. Until August 2005, he was the Repsol YPF Fellow at John F. Kennedy School of Government at Harvard University. Before that, he has worked as an economist at the Directorate-General for Competition of the European Commission (2001-2004) and with the Spanish telecommunications regulator (1999-2001). He holds a Ph.D. in Economics from the Universidad Carlos III in Madrid and received the Universidad Carlos III Ph.D. Extraordinary Award (2001-2002) for the best Ph.D. thesis in economics. He is fluent in French, English and Spanish.



Wolfgang DIRSCHAUER

Head of Climate Policy, Vattenfall, Berlin

Introductory speaker, working group on *Towards energy independence and security? Investing in domestic sources of energy*

Wolfgang Dirschauer is Head of Climate Policy at Vattenfall Europe AG. Before joining Vattenfall, Mr Dirschauer worked as Senior Advisor on Energy and Environmental Affairs for the Social Democratic Party (SPD) in the German Parliament.

He studied Political Science, Modern History and English Literature and holds an M.A. in Political Science from the University of Bonn.



Thomas GEISEL

Senior Vice President and Director, Gas Supplies North, E.ON Ruhrgas AG, Berlin

Thomas Geisel is Senior Vice-President of E.ON Ruhrgas AG and heads the Gas Supply Division North. Prior to this assignment he was in charge of E.ON Ruhrgas' gas purchases from Germany and the Netherlands.

Before joining E.ON Ruhrgas in 2000, he worked for Enron Europe. Between 1994 and 1998 he was Director at Treuhandanstalt responsible for the privatization of the East German chemical industry.

Thomas Geisel holds a Master of Public Administration degree from the Kennedy School of Government at Harvard University, an MA degree in Political Science from Georgetown University and a law degree from Freiburg University.



Enno HARKS

Political Adviser, BP Germany

Panelist on *Liberalization of energy markets and security of supply: Transatlantic experiences*

Enno Harks is a Political Adviser for British Petroleum, Berlin. Prior to this, he was a Senior Expert on Energy and Resources at the German Institute for International and Security Affairs (SWP), an advisory body attached to the Chancellor's Office where he focused on market analysis and policy advice to clients from government and ministries. He is additionally a regular commentator in the media. Prior to that, Mr. Harks served several years as Energy Analyst at the International Energy Agency in Paris in the department for oil markets and emergency issues.

Mr. Harks studied in Germany and France and holds a master degree in quantitative economics from the University of Munich.



Rolf HEMPELMANN

Member of German Parliament, Spokesman for Energy Affairs, SPD

Panelist on *Liberalization of energy markets and security of supply: Transatlantic experiences*

Rolf Hempelmann is a Member of the German Parliament representing the Social-Democratic Party. Since February 2003, he has served as Spokesman for Energy Affairs of the SPD and as Chairman for the SPD's working group on Energy. He has been involved in the preparation of new legislation to amend power industry and renewable energy laws and, in the last legislative term, served as Deputy Chairman for the Enquête Commission representing Germany's contribution to sustainable energy supply in the context of globalization and liberalization for Agenda 21 in Rio de Janeiro.

Additionally, he is a member of the German Commission for Economics and Technology as an expert on foreign trade policy, as well as serves on the foreign trade policy advisory boards for the German Federal Ministry of Economics and Technology and the German-Japanese Forum.



Jörg HIMMELREICH

Senior Transatlantic Fellow, German Marshall Fund of the United States, Berlin

Jörg Himmelreich joined the German Marshall Fund as a senior transatlantic fellow to examine U.S., EU, and Russian policy toward the Caucasus and opportunities for U.S.–European cooperation in the greater Black Sea region. He will also look at energy security issues and wider transatlantic relations.

Dr. Himmelreich comes to GMF from the German Foreign Office, where he served as a policy planner in 2004. In the year prior, he worked with the DaimlerChrysler Board of Management. He previously served as director of investment banking for media for the London office of European commercial bank WestLB, having established and directed the bank's Moscow subsidiary from 1996 to 2000. Dr. Himmelreich has also held appointments as head of privatization of the construction industry at the Federal German Trust Agency, as a junior professor at the Institute for Public Law at the Free University of Berlin, and as an assistant to the Berlin Court of Appeals. Dr. Himmelreich holds the German law degree of Dr. jur. and has studied law, history, and political science at the universities of Freiburg, Bonn and the London School of Economics.



Wade HOXTELL

Research Associate, Global Public Policy Institute (GPPi), Berlin

Wade Hoxtell is a Research Associate with the Global Public Policy Institute, Berlin where his research interests include public-private

partnerships and global energy governance. Before joining the Global Public Policy Institute in May 2006, he was a project assistant with the Aspen Institute Berlin. From 2003-2004 he worked as a Legislative Aide in the Wisconsin State Senate in Madison, Wisconsin, USA.

Wade holds a B.A. in International Relations and German from the University of Wisconsin-Madison and an M.A. in Central and Eastern European Studies from the Jagiellonian University in Kraków, Poland.



Michal KOZAK

Student, Hertie School of Governance, Berlin

Michal Kozak is a student of the Master of Public Policy programme at the Hertie School of Governance in Berlin. His interests focus on energy policy, European integration and the European Neighbourhood Policy, specifically with respect to the Eastern Europe and Russia. In one of his projects, he analyzed competition policy in Poland's electricity market. As of June 2007 he will be interning at the Energy Charter in Brussels.

Michal graduated from the Jagiellonian University in Kraków, Poland. He studied International Relations with a focus on Germany, Culture Studies and Russia. His Masters theses dealt with German-Russian and Russian-Ukrainian contemporary relations. Additionally, he received a scholarship to study Political Science at the Friedrich Schiller University in Jena, Germany.

In addition to internships at Polish diplomatic posts in Munich and Vienna, he was also active in the activities of the European Students' Forum, AEGEE, and served as an observer during the presidential elections in Ukraine in 2004. In Summer 2006, he worked as a volunteer at the Atyrau Apostolic Administration in Kazakhstan.



Daniel KROOS

Directorate-General for Transportation and Energy, Brussels

Daniel Kroos is Robert Bosch Fellow in the Postgraduate Programme in International Relations of the Robert Bosch Foundation and the Studienstiftung des deutschen Volkes in cooperation with the German Federal Foreign Ministry, where he is working on a project on the prospects of a common external energy policy for Europe. Within the programme, Mr. Kroos has worked at the Policy Planning Unit of the German Foreign Ministry in Berlin and is currently working at the European Commission, Unit C1 "Energy Policy and Security of Supply" within the Directorate General for Energy and Transport in Brussels.



Mads LIBERGREN

Desk Officer for Energy, Danish Embassy, Berlin

Mads Dalum Libergren is a Desk officer for Energy at the Royal Danish Embassy in Berlin, Department of Commercial and Economic affairs. His work is focused on analyzing current developments in the German energy sector.

He holds a B.A in Political Science from the University of Copenhagen and is pursuing a Master's degree in Political Science, also at the University of Copenhagen (expected early 2008). Since 2005 he has been residing in Berlin, where he has studied Political Science at the Free University and completed a one-year traineeship at the Political Section of the Royal Danish Embassy.



Jennifer MORGAN

Director, Climate and Energy Security, Third Generation Environmentalism (E3G), London

Introductory speaker, working group on *Energy efficiency: A resource worth exploiting*

Jennifer L. Morgan joined E3G in October 2006 to lead the organization's work on climate and energy security issues. Before joining E3G, Ms. Morgan led the Worldwide Fund for Nature's Global Climate Change Programme. In that role, she headed the WWF delegation to the Kyoto Protocol climate negotiations, formulated and advocated climate change policies on the international and national level and directed WWF's science, business and communications efforts. She also served on a number of Boards including the Climate Action Network, the Renewable Energy and Energy Efficiency Partnership and REN21. Before joining WWF, Ms. Morgan worked for the US Climate Action Network and was also a fellow with the Robert Bosch Foundation in Germany, including an assignment with the German delegation to the UN climate change negotiations.

She has a Bachelor of Arts from Indiana University in Political Science and Germanic Studies and a Masters of Art from the School of International Service, The American University in International Affairs.

Daniel MUTHMANN

Vice-President, Head of LNG Supply and Liquefaction, E.ON Ruhrgas, Essen

Introductory speaker, working group on *Diversification: External sources of supply*

Daniel Muthmann joined E.ON Ruhrgas AG (formally Ruhrgas AG) as a University graduate in 1998. In 2000 he was seconded to BP Gas Marketing Ltd, London, where he worked as a Key Account Manager responsible for commercial and industrial gas customers in the UK. In 2001 he became Head of Business Development in Gas Trading in E.ON Ruhrgas AG. In 2003, he became Head of the Norwegian Gas Purchasing Section covering a portfolio of supply contracts of roughly 15 bcm/a. During this time he also negotiated a group internal

long-term supply agreement between E.ON Ruhrgas and E.ON UK. In April 2007 Daniel Muthmann was appointed Vice President of LNG Supply & Liquefaction. His department is responsible for securing long-term LNG supplies and integrated supply projects for E.ON.

He holds a university degree in industrial engineering and management from the Technical University of Darmstadt, Germany. He also studied at the Norwegian University of Science and Technology, Trondheim, Norway



Maik NEUBAUER

Chief Operating Officer, Leipzig European Energy Exchange, Leipzig

Maik Neubauer is Chief Operating Officer of both European Energy Exchange AG (EEX) and its subsidiary, European Commodity Clearing AG (ECC), with responsibility for trading and settlement processes, information technology, market supervision and legal & compliance issues. He also has the responsibility for the UK market.

He is a member of the EEX management board and general manager of ECC.

Prior to joining EEX, Mr. Neubauer was Member of the Board of the Hamburg-based PPI Aktiengesellschaft, responsible for the Group's Consultancy activities in the financial services and telecommunications sectors. Between 2002 und 2005 he was Managing Director of the Hamburg-based private equity group, C1 Group. He started his professional career in 1994 with IBM Global Services where he build up the Banking Consultancy Services and headed the IBM Global Financial Markets Consulting division in Central Europe.

He studied Computer Sciences in Hamburg, International Business Management in Edinburgh, achieving an MBA, and European and International Business Law at the University of St. Gallen in Switzerland.



Anne NEUMANN

Research Associate, University of Dresden, Dresden

Introductory speaker, working group on *Investment in infrastructure and grids*

Anne Neumann is a Senior Researcher at Dresden University of Technology; Chair of Energy Economics and Public Sector Management; and Project Coordinator of the research program on the "Globalization of Natural Gas Markets". She has been a consultant to the International Energy Agency, with contributions to the study "Security of Gas Supply in Open Markets" (2004, IEA/OECD, Paris). She has worked extensively on issues of institutional analysis of energy markets, international commodity markets (mainly natural gas), contracts, trade, and international integration and has been actively involved in EU projects.

She has also co-authored papers on long-term contracts, international and European natural gas prices published in *Zeitschrift für Energiewirtschaft*, *Energy Economics* and *Applied Economics Letters*.



Richard P. O'NEILL

Chief Economic Adviser, Office of Markets, Tariffs and Rates at the Federal Energy Regulatory Commission, Washington DC

Panelist on *Liberalization of energy markets and security of supply: Transatlantic experiences*

Richard P. O'Neill is the Chief Economic Advisor at the Federal Energy Regulatory Commission. From 1988 to 2000 he was the Chief Economist and Director of the Office of Economic Policy. From 1986 to 1988 he was the Director of the Commission's Office of Pipeline and Producer Regulation. His work has focused on open access, restructuring, competition, performance-based incentive regulation and market design.

From 1978 to 1986, he directed oil and gas analysis, including the development of software systems, oil and gas resource analysis, energy modelling systems, analysis of natural gas markets, and oil and gas forecasting at the Energy Information Administration.

From 1973 to 1978, he taught and did research in computer science and applied mathematics on the computer science and business faculty of Louisiana State University. From 1969 to 1973, he taught and did research in the areas of operations research and statistics on the business school faculty of the University of Maryland.

He has a B.S. in chemical engineering, an MBA and a Doctorate in operations research (with minors in mathematics, statistics, economics and accounting) all from the University of Maryland.

He has worked with several countries, states, the World Bank, energy companies and computer companies in the development of mathematical software, energy modelling, forecasting, regulation, privatization, restructuring and market design.

His published work has appeared in academic and professional journals and books in the areas of Applied Mathematics, Optimization, Operations Research, Management Science, Computer Science, Energy, Electrical Engineering, Economics, and Law.



Victoria PANOVA

G8 Research Group, Director for Russia, University of Toronto

Victoria V. Panova is Regional Director for Russia at the G8 Research Group of the University of Toronto, Canada. She works as a senior lecturer at the Department of International Relations and Foreign Policy of Russia (MGIMO). Additionally, she is a member of the National Working Group of the Advisory Council of the Civil 8 project primarily responsible for the global security issues (regional conflicts, non-proliferation, terrorism, and coordination). She has published articles in *International Trends*, *New and Newest History*, the *OECD Bulletin* (HSE-SU magazine) and wrote a textbook on the G8. Additionally, she is among the contributors to the *Global Governance* series (Ashgate Publishing) brochure on the interaction of business and government.

Currently, she is a visiting fellow at University of Cambridge conducting research on the “Hard and Soft Law Multilateral Institutions in the Field of Energy Security: Improving Global Governance Mechanisms for Sustainable Energy”.



Wolfgang SAAM

Student, University of Potsdam, Potsdam

Wolfgang Saam is currently a student at the University of Potsdam, Germany studying Public Administration. He previously studied at the Albert-Ludwigs-Universität Freiburg, Germany and the University of Michigan, supported by a Max-Kade scholarship. His research focuses on energy issues in their security, development and governance aspects.

Wolfgang's upcoming Diploma thesis will investigate the impact of China's Oil Diplomacy on Nigeria's political economy and development prospects.

His work experience includes internships with the World Youth Alliance Europe in Brussels, the Walter-Eucken-Institut in Freiburg and the Global Public Policy Institute in Berlin. In 2005, he worked as an undergraduate student instructor at the Department of Banking and Finance, Freiburg. For the last five years, he has been an active member of a German non-profit in which he runs trainings for young people ranging from rhetoric to civic education.



Oliver SANDERSON

Research Associate, Global Public Policy Institute (GPPi), Berlin

Oliver Sanderson is a Research Associate with the Global Public Policy Institute, Berlin. He holds a BA in Politics and International Relations from the University of Kent in England, a program which included a year-long study program at the University of Tampere, Finland.

His key research interests include: multi-level governance and the role of the private sector in global issues such as the environment, energy, development, UN peacebuilding and the role of the EU as an international actor.



Eugeniusz SMOLAR

President, Centre for International Relations, Warsaw

Eugeniusz Smolar has been President of the Center for International Relations in Warsaw, Poland since October, 2005. His studies of Political Economy at Warsaw University were interrupted by imprisonment in 1968 as a result of participation in students' protests in March and protests against the Warsaw Pact armies' invasion of Czechoslovakia in August. Following his release from jail, he emigrated to Sweden in 1970 and completed his studies at the Sociology Faculty at Uppsala University. In 1975 he joined the BBC World Service as a journalist working in the Polish Section, then in 1982 became its deputy director, and later on its director (1988-1997). He was active in helping the Workers' Defence Committee (KOR) and other democratic opposition groups in Poland, later

Solidarity Trade Union, as well as underground publications. He was co-founder of émigré political quarterly „Aneks” (1973-1990) and the Aneks Publishing House. Following his return to Poland in 1997 he became member of the Management Board of Polskie Radio S.A. (public radio) with responsibility for program (1998-2002), and later its Program Director. He was co-organizer of the 25th anniversary celebrations of “Solidarity” Trade-Union (August 2005) and program director of the international conference “From Solidarnosc to Freedom”.



Ulrik STRIDBAEK

Senior Policy Advisor on Electricity Markets, International Energy Agency, Paris

Panelist on *Meeting future energy needs in the context of liberalized markets: Experiences from the US and Europe*

Ulrik Stridbaek has worked as a Senior Policy Advisor, Electricity Markets at the IEA since April 2004 focusing on energy policy issues on market reform, investments, natural gas in power generation and nuclear power. His most recent publications are the IEA books *Lessons from Liberalised Electricity Markets* from December 2005 and *Tackling the Investment Challenges in Power Generation* from May 2007.

Previously, he worked for 6 years at the Danish Transmission System Operator, Eltra. His main areas of work were the opening of the Danish electricity market, integration of western Denmark into the power exchange Nord Pool, market surveillance, implementation of a market for ancillary services, and development of a market for renewables certificates. He also has experience with development economics and from the trade delegation at the Royal Danish Embassy in Warsaw.

Ulrik Stridbaek holds an MSc in Economics from University of Aarhus, Denmark, and Universidad de Barcelona, Spain.

Michael SULLIVAN

First Secretary, Economic Section, Embassy of the United States of America, Berlin

Michael Sullivan is Regulatory Affairs Officer at the U.S. Embassy, covering energy and other heavily regulated markets. He works closely with U.S. agencies in Washington, as well as the U.S. Mission to the European Union, to report on current developments in the German energy market. He also analyzes the impact of these developments on European and transatlantic policies.

A career diplomat, Mr. Sullivan has previously served in Moscow, Vienna, and Manila. He has a Bachelor of Arts in History and Psychology from the University of Tennessee and a Masters of Arts in International Affairs, with a specialty in international economics, from the George Washington University. He has resided in Berlin since 2005.

Pawel SWIEBODA



Director, demosEUROPA, Warsaw

Pawel Swieboda graduated from London School of Economics and the School of Slavonic and East European Studies, University of London. He worked as Advisor to the President of Poland on EU issues in the years 1996-2000. He then headed the Office for European Integration in the Chancellery of the President. In the years 2001-2006, he served as Director of the Department of the European Union in the Ministry of Foreign Affairs. Currently, Pawel Swieboda is the President of demosEUROPA – Centre for European Strategy (www.demoseuropa.eu) whose objective is to animate the debate about the future of the European Union and global order. He is the author of numerous articles on issues of European integration and international relations. He writes a bi-weekly column for “Gazeta Wyborcza”, Poland’s largest quality daily. He is also a member of the Lisbon Council, President of the Council of the Foundation “Press Centre for Central and Eastern Europe”, secretary of the Amicus Europae Foundation and Co-Chairman of the Bela Foundation.



Christoph TÖNJES

Senior Researcher, Netherlands Institute of International Relations (Clingendael), The Hague

Panelist on *Meeting future energy needs in the context of liberalized markets: Experiences from the US and Europe*

Christoph Tönjes is an Economist and Senior Researcher at the Clingendael International Energy Programme. He specializes in European gas and electricity markets and coordinates CIEP’s activities in this field, consisting of research, lecturing and the organisation of conferences, workshops and seminars. Moreover he is involved in CIEP’s projects on fossil fuel markets and security of supply. His recent work includes advisory work for the International Gas Union and the Dutch General Energy Council.



Timo VEHRS

Deputy Head of Strategy, Gazprom, Berlin

In 2004, Timo Vehrs joined ZGG GmbH (predecessor of GAZPROM Germania GmbH) as advisor in the strategic department. Since 2007, he has worked as Deputy Head of Strategy for GAZPROM Germania GmbH and is mainly engaged in Mergers & Acquisitions, Business Development and Strategic Planning. Previously, he worked at PriceWaterhouseCoopers Consulting and IBM Business Consulting Services as Consultant for a period of three years mainly working on international business process reengineering projects for major oil companies in Europe.

He graduated in Business Science and Management from Nordakademie, a private university supported by industry, in 2001.



Sebastian VOS

Account Director, Hill & Knowlton, Brussels

Sebastian Vos is an Account Director with Hill & Knowlton in Brussels, focusing on Competition Law and the Energy Sector. Sebastian studied European Law and Business Law in Utrecht. After that, Sebastian was awarded a Fulbright scholarship to pursue a degree in European Studies and International Economics at John Hopkins SAIS in Washington DC. While at SAIS, Sebastian spent time working for the Center for Transatlantic Relations, the European Commission Delegation to the United States and Goldman Sachs. Prior to joining Hill & Knowlton, Sebastian worked for Freshfields Bruckhaus Deringer in Amsterdam and Brussels. During this time he represented and advised clients in numerous sectors on a range of issues including abuse of dominance, cartel, state aid, trade, general EU and regulatory law proceedings before national and European institutions. He has also conducted numerous multi-jurisdictional, European and Dutch merger control proceedings. Sebastian has published frequently, most recently in Europe's World and European Competition Law Review.



Jan Martin WITTE

Associate Director, Global Public Policy Institute (GPPi) and Managing Director, GPPi Consulting, Berlin

Conference Chair

Jan Martin Witte is Associate Director of the Global Public Policy Institute (GPPi) and also Managing Director of GPPi Consulting, the consulting practice of the Global Public Policy Institute. Jan Martin's work experience include consulting and research assignments at the Brookings Institution (Washington, D.C.), the Corporate Strategy Group of the World Bank (Washington, D.C.), the Office of Development Studies of the United Nations Development Programme (UNDP), and the Private Sector Partnership Unit of the United Nations Office for Project Services (UNOPS), New York. From June 1999 to June 2001 he served as a Research Associate with the Global Public Policy Project, Washington D.C. Jan Martin has published widely on issues of global governance and transatlantic relations, most recently "Business UNusual. Facilitating United Nations Reform Through Partnerships" (New York: UN Publications 2005).

Jan Martin holds degrees from the University of Potsdam (Diploma in Political Science), and received his M.A. and Ph.D in International Relations and International Economics from the Nitze School of Advanced International Studies of Johns Hopkins University.



Tobias WOLNY

Political Advisor, External Affairs, British Petroleum in Germany AG, Berlin

Tobias Wolny is a Political Advisor for External Affairs at BP Germany. His work focuses on Corporate Social Responsibility; international affairs, particularly Russia and BP activities in respect of German-Russian relations; political advisory, relationship management and communication with politicians and NGO representatives in Germany and the EU; and the drafting of action plans, position papers, statements, briefings and speeches for the Chairman of the Board and Director of External Affairs.

He has also worked as a Corporate Finance Manager at PricewaterhouseCoopers; Foreign Policy Advisor for German and Russian Affairs for the Office of the President of the Czech Republic; and a Programme Officer at the Charter 77 Foundation in New York.



Felix WÜRTEMBERGER

Project Manager, Economics, Politics and Society, Energie Baden-Württemberg AG (EnBW), Berlin

Panelist on *Meeting future energy needs in the context of liberalized markets: Experiences from the US and Europe*

Felix Würtenberger is a Senior Advisor with EnBW - Energie Baden-Württemberg AG, the third largest power and gas utility company in Germany. He joined EnBW in 2005 and works on innovation in energy markets and international energy issues, focusing on oil and gas markets and climate policy.

Before joining EnBW, Mr. Würtenberger worked as a strategy consultant for The Boston Consulting Group in Munich (2003-2005) with projects in the telecommunications, energy and finance sectors and as a researcher at the Institute for Futures Studies and Technology Assessment in Berlin (2000 - 2003).

Mr. Würtenberger studied physics in Germany and Spain and holds a degree from Ludwig-Maximilians-Universität Munich (1999).