

NOTES ON THE CONTRIBUTORS

Matthias Altmann is Senior Consultant at the Ludwig-Bölkow-Systemtechnik of Munich/Ottobrunn (Germany), which he joined in 1993. He specialises in sustainable energy technologies, energy markets, and transport fuels. He has a long track record in managing comprehensive consulting projects for international clients from industry, politics, and non-governmental organisations in strategy, technology, and sustainability. Since 2008, Matthias has supported the ITRE Committee for Industry, Research and Energy of the European Parliament as an external expert on energy and climate change issues. From 2004 to 2007, he took a leading role in the Secretariat of the European Hydrogen and Fuel Cell Technology Platform. Matthias Altmann holds a Diploma in Theoretical Physics from University of Dortmund (Germany), a European Diploma in Environmental Sciences from University of Arlon (Belgium) and from the University of Kaiserslautern (Germany) as well as a Master of Business Administration from the *Technische Universität München* (Germany).

Alexandre de Robaulx de Beaurieux is a Franco-Austrian Geologist and Energy Researcher. He holds a Diploma in Geology from the University of Freiburg/Germany and is currently writing his PhD-thesis on 'Peak Oil and the Limits to Petroleum Production' at the University of Bayreuth/Germany. He works as a Research Scientist at the Swiss Institute for Peace and Energy Research (SIPER) in Basel/Switzerland and is a Board member of the German Association for the Study of Peak Oil and Gas (ASPO).

Michael B. Bennett is a partner in the Energy Litigation Practice Group at Baker Botts L.L.P., in Houston, Texas. Mr. Bennett has been representing energy companies in complex business disputes related to both conventional and unconventional shale play oil and gas activity for over 16 years. Mr. Bennett has represented clients in disputes arising under a wide range of agreements related to oil and gas development activity, including joint operating and exploration agreements, joint venture agreements, service and supply agreements, lease agreements, foreign agency agreements, and others. He has represented both US and non-US based clients in disputes over investments in oil and gas assets in the US. A detailed biography is located at <http://www.bakerbotts.com/michael-b-bennett/>.

Tim Boersma is a PhD candidate at the University of Groningen (the Netherlands). His research focuses on energy security, natural gas infrastructure and regulation, natural resources, EU energy policy, and unconventional natural gas extraction. His dissertation analyses energy policy coordination in the EU. He compares EU decision-making with the US gas market to find evidence for the hypothesis that too many decisions are made at the wrong level of policy-making in the EU. In 2011–2012 he was a research fellow at the Transatlantic Academy in Washington, DC. Before starting his academic career, he worked as a corporate counsel to the electricity production sector in the Netherlands.

Mark Broomfield is an air quality, odour and health impacts specialist with a BA in chemistry from the University of Cambridge (UK), and a PhD in atmospheric chemistry. He has over 20 years' experience, both within the consultancy sector and as an industry specialist, addressing environmental risks and impacts of the energy industries, as well as other sectors and sources. He has carried out influential analyses of the environmental and health risks associated with shale gas and wider unconventional hydrocarbons exploration and extraction for the European Commission and UK government and regulatory authorities. He contributes to seminars and conferences on air quality, health and waste-related topics – for example, as an invited speaker and panel member at a European Commission expert workshop on geological risks of unconventional gas in December 2012. He is a member of the UK Natural Environment Research Council peer review college.

Chuanmin Cai, also named Fiona Cai, is a legal counsel at the Brussels based law firm, Philippe & Partners. She has a master degree in law from the Tongji University, PRC, and holds two additional master degrees in international and European law from the Vrije Universiteit Brussel, Belgium. She performs legal advice on energy law, Chinese law and international business law on a regular basis. In the field of energy law, she has good connections with the Chinese energy sector and has fulfilled projects with respect to EU licensing and permitting procedures for building of nuclear reactors, the EU Third Energy Package and legal and regulatory aspects of unconventional gas extraction.

Ewout Dönszelmann is an environmental policy consultant. He has a background on Chemical Engineering and worked at the Ministry of Environment in The Netherlands for over 16 years before becoming a consultant. His work at the ministry focused on local environmental impacts, like odour nuisance and

air quality as well as policy on chemicals. After 12 years working for consultancy firms, like CE Delft, he started as an independent consultant in april 2012.

Dr. ing. Christoph Ewen is Civil Engineer. He holds a Diploma of the Darmstadt Technical University delivered in 1984. He subsequently worked as a scientist in environmental science research at the Institute for applied ecology (*ÖKO-Institute. V.*) from 1985 to 1993. Then he became deputy secretary and scientific coordinator of the institute until 1999. In 2000–2003, he was head of the department environment, politics and spatial planning at the institute for organisational communication in Bensheim, Germany (*IFOK GmbH*). Since 2003, he has been performing consulting and facilitation in the areas of societal conflicts and multi-stakeholder based dialogues, with the main project issues being technical infrastructure (energy, traffic, water, and waste), nature conservation, exploration of natural resources and standards for citizens' participation.

Dr. Dominik Greinacher is a lawyer, a certified specialist lawyer for administrative law (*Fachanwalt für Verwaltungsrecht*) as well as a partner with Scholtka & Partners Rechtsanwälte in Berlin. Scholtka & Partners Rechtsanwälte is a law firm specialised on advising and representing in all legal aspects of energy law. The focus of work of Dr. Dominik Greinacher comprises all administrative questions as well as mining law and emissions trading. Dr. Dominik Greinacher is the co-author of a commentary on the German Federal Mining Act to be launched in summer 2013.

Ruth Hammerbacher is a Sociologist and holds a Diploma of the Free University of Berlin, 1976. She subsequently worked as a junior scientist in social science research projects at the University of Osnabruck. In 1981–1990, she had political functions for the German Green Party as a member of the local parliament of Osnabruck, member of the state parliament of Lower Saxony and chair of the German Green party. Since 1990, she has been performing consulting and facilitation in the areas of societal conflicts and multi-stakeholder based dialogues, with the main project issues being: exploration, production and storage of natural gas, gmo-debate, food production chain, metal industry, CCS, nature conservation, local planning-conflicts, animal experiments in basic research, health protection, and standards for citizens' participation.

Sebastian Helmes is a lawyer and counsel at Scholtka & Partners Rechtsanwälte, Berlin. Certified as a specialist lawyer for administrative law (*Fachanwalt für*

Verwaltungsrecht) he mainly advises on energy and environmental issues including administrative and judicial proceedings. He gained practical experience while working in the legal department of a transmission network operator and the Legal Committee of the German Federal Parliament. He is the author of several publications on German and European environmental and energy law.

Jakub Jędrzejak is a partner at WKB. Jakub Jędrzejak heads the finance and banking team at WKB as well as works with Natural Resources, mergers and acquisitions as well as Insolvency and Restructuring teams. He graduated from Faculty of Law and Administration at the University of Warsaw. He specialises in mergers and acquisitions and corporate restructuring. He has been involved in numerous private and public mergers and acquisitions deals advising institutional investors (private equity funds) as well as Polish and foreign corporations and businesses. With respect to his banking and finance practice, he advises his clients mainly on acquisition finance as well as on project finance (acting for both lenders and borrowers, either domestic or foreign). He is also experienced in advising clients from the shale gas industry on corporate matters as well as on matters relating to geological and mining law.

Corey Johnson is an Assistant Professor of Geography at the University of North Carolina at Greensboro (USA), where he also holds a Candace Bernard and Robert Glickman Dean's Professorship in 2012–2013. His research and teaching areas include the political geography of Europe and Eurasia, borders and border security, natural resources and energy geopolitics. He holds a PhD in geography from the University of Oregon and a BA in geography and German from the University of Kansas (USA).

Mark Johnson is AEA's knowledge leader for Energy and Carbon Regulation with 15 years' experience in the energy and environment policy arenas. He has led many international projects related to energy technologies, legislation, economics and environmental impacts. He led two projects examining the adequacy of EU legislation in controlling impacts from hydraulic fracturing for shale gas extraction for the European Commission (EC). One project addresses the regulation of a wide spectrum of environmental impacts at EU level, and the other examines further how certain Member States regulate this activity and in particular the control of associated greenhouse gas emissions. He was Project Director for the development of design options for a new clean technology accelerator as part of the EU Emission Trading System (EU ETS) for the EC, focusing on incentivising innovation and clean technology

deployment. He has recently carried out a renewable energy technology options assessment for the Isle of Man, and evaluated the outlook for nuclear power in Europe for the EC.

Maciej Kaczmarek is an associate at WKB's mergers and acquisitions team and company and corporate governance team. He specialises in civil law, company law and geological and mining (mineral) law. Maciej Kaczmarek graduated from the Faculty of Law and Administration at Adam Mickiewicz University in Poznan. He also graduated from the Faculty of Law at Universität Zürich (Switzerland) as a Socrates/Erasmus exchange programme student. Maciej Kaczmarek has extensive experience in drafting contracts and transaction documentation in mergers and acquisitions transactions. He advises on aspects relating to the day-to-day activities of Polish commercial companies and drafts corporate documents and resolutions, as well as documentation for merger, transformation and liquidation processes. He also advises WKB clients on transactions concerning the exploration and extraction of shale gas in Poland.

Dr. Stefan Lechtenböhmer is the Director of the Research Group Future Energy and Mobility Structures at the Wuppertal Institute for Climate, Environment and Energy. He holds a university diploma in geography, economy and political sciences from the University of Münster and a PhD in economy from the University of Flensburg (Germany). His work focuses on regional, national and international energy and greenhouse gas emission scenario analysis and research for a Sustainable Low Carbon Society. He teaches at several German universities and is a member of the Steering Group of the G8 Low Carbon Society Research Network and the UNFCCC Roster of Experts for GHG-Inventories, Policies & Measures and GHG-Projections.

Daren Luscombe is a Technical Director with AMEC Environment & Infrastructure UK Ltd. He is a Chartered Environmentalist and Member of the Chartered Institute of Wastes Management. Daren has over 20 year experience in environmental consultancy working on many themes across a variety of sectors. Through his work on shale gas, he has established a wide ranging understanding of associated environmental issues and mitigation measures. Daren has a Degree in Geography and Masters in Pollution and Environmental Control.

Edyta Materka is a PhD candidate in the Department of Geography & Environment at the London School of Economics & Political Science. Her

dissertation is an historical ethnography about the emergence and transformations of informal economic practices among the worker-peasantry during multiple economic transitions from 1945 to the present in northern Polish villages. When she visited northern Poland in October 2010 for a follow-up research trip, she was struck by the scale of exploration occurring in the villages around her fieldwork sites and was inspired to communicate those struggles to an English-speaking audience. From 2011–2012 she was a Dissertation Fellow in East European Studies at the American Council of Learned Societies in New York City during which she also published four shale gas exploration articles. Her research interests include peasant economies, land and property rights, post-disaster reconstruction, and the ethics of exploration in developing countries.

Cecile Musialski is a lawyer specialised in energy law registered at the Bars of Brussels and of Paris. She has the opportunity to advise international institutions, national regulators, market entrants, established operators and industrialists on topics that are shaping the energy markets of tomorrow across Europe. She was notably involved in two studies on shale gas for the European Commission. She publishes scientific contributions on a regular basis and is regularly invited as a speaker in industry/energy law seminars and conferences. She holds a Law Degree from the *Université Catholique de Louvain* (Belgium), a Master Degree in European Studies from the College of Europe, Natolin/Warsaw (Poland) and a certificate with the view of practicing law in France delivered by the *Haute Ecole des Avocats Conseils de la Cour d'Appel de Versailles* (France). She has recently received the Belgian legal award for the environment and energy law firm of the year (2012 and 2013).

Elsa Nicolet is a lawyer at betto seraglini, Paris. She is specialised in international arbitration and commercial litigation with a particular focus on the defence and energy industries. She is dually trained and holds an LLB as well as a French *Maitrise* from Paris X University. She also holds a LLM in Commercial law from the University of Edinburgh.

Laura Parmigiani has joined the Center for Energy of Ifri as Research Fellow in September 2011 at the Brussels Bureau. Her main researches focuses so far on European regulation and in particular on the internal gas market. Prior to Ifri, she worked for four years as a management consultant for the main European energy utilities. Mastering four languages, she studies the following topics at the Ifri Center for Energy: the evolutions of European gas

market and global gas trends, Europe – Russia energy relations, European directives on the construction of the energy market (third package, infrastructure package, renewables) and the evolution of the hydrocarbons market following the greater importance of unconventional oil and gas. She participates with Ifri to the International Gas Union task force on the Geopolitics of gas. Laura Parmigiani graduated from the University of Bologna (Italy) in International and Diplomatic Sciences and obtained a Master Degree in International Affairs at the *Institut d'Etudes Politiques de Paris* (France). Her publications are available at www.ifri.org.

Quentin Philippe joined the Boston Consulting Group in London in January 2013 where he is actively involved in the energy practice. Prior to that, he worked for the Belgian National Regulatory Agency in Brussels where he analysed European wholesale and retail power and gas prices. He studied there the impact of shale gas production on natural gas prices, and more broadly, energy prices. He was also a teaching assistant in Economics at the *Université Catholique de Louvain*. His passion for the energy sector led him to start his professional career in 2008 at GDF Suez as a project manager. He obtained an MBA from INSEAD in December 2012. He graduated from the *Université Catholique de Louvain* with a Bachelor in Law and a Research Master in Economics. He also completed a master degree in Mechanical Engineering, with a speciality in energy technologies, at the *Katholieke Universiteit Leuven*. Finally, Quentin is the founder the Modern Energy Group, a Brussels based network of young professionals active in the energy sector.

Mark R. Robeck is Global Co-Chair of Baker Botts L.L.P.'s Energy Litigation Practice Group, having represented clients in all aspects of the energy industry for 23 years. In addition to providing counsel for avoiding disputes, Mr. Robeck regularly appears before courts, arbitral panels, and regulatory agencies to protect his clients' interests in complex disputes and government investigations throughout the United States and around the world. His understanding of oil and gas production, refining and processing, and marketing – as well as power generation, transmission and distribution, and marketing – supports early case assessment and strategy development to effectively and efficiently achieve his clients' objectives. A detailed biography is located at <http://www.bakerbotts.com/mark-r-robeck/>.

Nigel Smith has a BSc in Geology, an MSc in Marine Earth Science and is a fellow and chartered geologist of the Geological Society of London (UK).

He worked in the field in Africa prior to joining the British Geological Survey in 1982. For the BGS initially he worked on onshore subsurface projects for the Department of Energy and continued this work and offshore after transferring to Edinburgh. Since about 1990 he has supported 50k mapping with subsurface interpretations, contributed to mineral assessment studies and completed commissioned projects for energy, water and other companies. He published on hydrogen exploration a few years ago. Nigel Smith wrote most of the content of the three reports currently on the DECC website for UK onshore conventional hydrocarbon, coalbed methane and shale gas prospectivity and contributed a paper to the 2009 Petroleum Conference on UK shale gas and to the 2 House of Commons reports on shale gas. He is interested in plate tectonics and the subsurface geology of the UK and, increasingly, parts of the US and anywhere else shale gas exploration is taking place.

Thierry Tomasi is a partner at betto seraglini, Paris. He is specialised in international litigation and international arbitration with a particular expertise in the fields of civil aviation, railways as well as a focus on the energy industry. He is trained in French and Italian law and graduated in International Law and Arbitration Law from the University of Paris II *Panthéon – Assas* (France) and King's College London (UK). He is also a visiting lecturer at the Catholic University of Louvain (Belgium) with a class on the Energy Charter Treaty.

Andrzej Wierciński is the senior partner at WKB. He is a member of the Association of Competition Law and the Insolvency Lawyers' Association. In 1969, he graduated from the Faculty of Law at Adam Mickiewicz University in Poznan (Poland). In 1973, he received an L.L.D. degree and in 1982, an advanced doctorate in legal studies. Upon graduation, Andrzej Wiercinski remained at the University of Poznan. He was a guest lecturer at the Trinity College, Oxford (UK), in 1983. He worked in London in 1990 as a foreign associate of the law office of Stephenson Harwood. He is a professor of law at the prestigious Warsaw School of Social Sciences and Humanities (Poland). Andrzej Wiercinski is a co-founder and senior partner of WKB Wiercinski, Kwiecinski, Baehr. As the co-founder of Wardynski & Partners in Warsaw, he worked there in 1992–2003. He specialises in M&A, insolvency and restructuring, as well as all the legal aspects connected with shale gas operations in Poland.

Ernest Wyciszekiewicz is the Deputy Director of the Centre for Polish-Russian Dialogue and Understanding. In 2009–2011, he was the head of Energy Security Programme and Research Fellow at the Polish Institute of

International Affairs (PISM). In 2003–2009, he was the Managing Editor of *Evropa* Russian-language quarterly on European affairs. He is the author, co-author and editor of books, articles and reports on EU energy and climate policy, Russian energy policy and energy security, inter alia: *Geopolitics of Pipelines; Energy Interdependence and Inter-State Relations in the Post-Soviet Area* (Warsaw 2009); *Energy Security and Climate Change; Double Challenge for Policymakers* (Warsaw 2009); *Path to Prosperity or Road to Ruin?; Shale Gas Under Political Scrutiny* (PISM Report, Warsaw 2011); *Weniger Angst vor Abhängigkeiten* ('Internationale Politik', IP Länderporträt Polen, 2013).

Dr. Werner Zittel is the Senior Scientist and joined Ludwig-Bölkow-Systemtechnik GmbH of Munich/Ottobrunn (Germany) in 1989. His focus of work includes environmental aspects of energy supply, energy economy, future of energy supply systems, and energy and climate protection concepts for local communities. Since more than ten years, he has analysed supply potentials of fossil energies globally, including resources, production rates for conventional production as well as unconventional gas and oil extraction. He studied physics at *Ludwig-Maximilians-Universität* in Munich and did his PhD at Max-Planck-Institut for Quantum Optics, Garching, Germany, as well as at *Technischen Universität Darmstadt*, Germany, in 1986. He was researcher at the *Institut für Technische Thermodynamik* of DFVLR (today DLR) in Stuttgart, Germany, and *Fraunhofer Institute* for Solid State Technology before joining *Ludwig-Bölkow-Systemtechnik*. Dr. Zittel has authored several books on energy topics as well as a large number of scientific publications.