

## **Curriculum Vitae of Dr. Georg Zachmann (as of December 15, 2014)**

### **Personal**

Born November 21, 1979 in Löbau/Sa. (Germany)  
Nationality German  
Family status married, three children  
Email gzachmann@gmail.com

### **Professional Experience**

2009 - **Research Fellow on Energy and Climate Change at the Brussels based Think Tank Bruegel**

2007 - **Advisory work** for the Belarusian, Georgian, Moldovan and Ukrainian government on energy policy issues, financed by the German Ministry of Economics

2008 - 2009 **Post-Doc** position at the Laboratoire d'Analyse Economique des Réseaux et des Systèmes Energétiques (LARSEN) in Paris

2007 - 2008 **Desk Officer at the German Ministry of Finance** (I B 1 – Economic Policy Division)

2004 - 2007 **Project Associate**, Department of International Economics at **German Institute for Economic Research (DIW Berlin)**

2002 Internship at German Chamber of Commerce Casablanca, Morocco

2002 - 2004 Research Assistant, German Institute for Economic Research (DIW Berlin)

1998 - 1999 Civil Service in Hamburg

## **Education**

- 2005 - 2009      **Doctorate at Dresden University of Technology.** Thesis title: „Empirical Evidence for Inefficiencies in European Electricity Markets – Market Power and Barriers to Cross Border Trade” under the supervision of Prof. Ch. von Hirschhausen. Awarded the Loyola de Palacio Best PhD prize
- 2006              3 month visiting PhD position at the London Business School (Prof. Derek Bunn)
- 2002 - 2004      **Diploma in economics** at Humboldt University Berlin (specialisation in statistics and economic history)
- 2001 - 2002      Semester at University of Evry (F) (courses in the IUP ingénierie et statistique and the IUP économie et droit)
- 1999 - 2001      Undergraduate studies of economics at Humboldt University Berlin
- 1998              A-level in Radebeul (specialization in mathematics and history)

## **Publications**

### **2015**

„When and how to support renewables? Letting the data speak”, in A. Ansuategi et al. (eds.), Green Energy and Efficiency, Springer (jointly with M. Peruzzi and A. Serwaah)

### **2014**

„Elements of Europe's energy union“, Bruegel Policy Brief 5/2014

„Remerge: regression-based record linkage with an application to PATSTAT“, Bruegel Working Paper 852 (jointly with M. Peruzzi M. & R. Veugelers)

„A scalable approach to emissions-innovation record linkage“, Bruegel Working Paper 851 (jointly with M. Huberty & A. Serwaah)

„A flexible, scalable approach to the international patent 'name game'” Bruegel Working Paper 850 (jointly with M. Huberty & A. Serwaah)

„Energy Security of Georgia“, German Economic Team Policy Paper 01/2014

„Memo to the Commissioner for Climate Policy” in „EU to DO 2015-2019: Memos to the new EU leadership“, Bruegel

„Memo to the Commissioner for Energy” in „EU to DO 2015-2019: Memos to the new EU leadership“, Bruegel

„Improving gas transmission network regulation in Ukraine by implementing Energy Community rules-a tailor made proposal”, German Advisory Group Policy Paper 03/2014 (jointly with S. Ruester)

„Can Ukraine secure enough gas for the winter? A scenario analysis”, German Advisory Group Technical Note Series 05/2014

„Evaluating the options to diversify gas supply in Ukraine”, German Advisory Group Policy Paper 01/2014 (jointly with D. Naumenko)

„When and how to support renewables? Letting the data speak”, Bruegel Working Paper (jointly with M. Peruzzi and A. Serwaah)

### **2013**

„Energy Competitiveness”, in Bruegel Blueprint 17 „Manufacturing Europe's future” (ed. R. Veugelers) (jointly with V. Cipollone)

„Electricity without borders: a plan to make the internal market work”, Bruegel Blueprint 16

„You'd better bet on the ETS”, Bruegel Policy Brief 02/2013

„Electricity infrastructure: More border crossings or a borderless Europe?”, Bruegel Policy Contribution 05/2013

**„A stochastic fuel switching model for electricity prices”, Energy Economics 35, p 5–13**

### **2012**

„Private long-term investment in uncertain times”, Bruegel Policy Contribution 22/2012

„Smart choices for growth”, Bruegel Policy Contribution 21/2012

- „Investment and growth in the time of climate change”, Bruegel-EIB book, Brussels (jointly with E. Calthrop, A.-. Riess, A. Kolev)
- „How wide is the Mediterranean?”, Bruegel Policy Contribution 08/2012 (jointly with M. Tam, L. Granelli)
- „Cutting carbon, not the economy”, Bruegel Policy Contribution 03/2012
- „The great transformation: decarbonising Europe’s energy and transport”, Bruegel Blueprint 16 (jointly with M. Holtermann, J. Radeke, M. Tam, M. Huberty, D. Naumenko, A. Ndoye)
- „Retailers' risk management and vertical arrangements in electricity markets”, *Energy Policy*, 40, p. 465-472 (jointly with R. H. Boroumand)**
- „Emission Trading as a Catalyst for Energy Efficiency Improvements: Options and Potential for Moldova” German Economic Team Moldova Policy Paper 01/2012 (jointly with J. Radeke)

## 2011

- „Assessing the impact of the EU ETS using firm level data”, Bruegel Working Paper (jointly with J. Abrell and A. Ndoye)
- „Eastern European lessons for the Southern Mediterranean”, Bruegel Policy Contribution 07/2011 (jointly with A. Sapir)
- „Green exports and the global product space: Prospects for EU industrial policy”, Bruegel Working Paper (jointly with M. Huberty)
- „Is European climate policy the new CAP?”, Bruegel Policy Brief 01/2011
- „Reconciling the Single Market Objective with the Renewable Energy Objective”, in „Think Global Act Europe - The contribution of 16 European think tanks to the Polish, Danish, and Cypriot trio presidency of the European Union”

## 2010

- „Power to the people of Europe”, Bruegel Policy Brief 04/2010
- „Rare earth - no case for government intervention”, Bruegel G20 Monitor 11/2010
- „Catching the maximum market value of electricity storage – technical, economic and regulatory aspect”, RSCAS Working Papers 02/2010, European University Institute (jointly with H. Xian)
- „The Dynamics of Global Crude Oil Production”, Discussion Papers of DIW Berlin 1075, DIW Berlin, German Institute for Economic Research (jointly with A. Zaklan and A. Neumann)
- „Inefficient arbitrage in inter-regional electricity transmission”, *Journal of Regulatory Economics*, Springer, 37(3), p. 243-265 (jointly with D. Bunn)**
- „Implications of recent developments in global and European natural gas markets for Ukraine“, German Advisory Group Policy Paper 06/2010 (jointly with D. Naumenko)
- „Electricity Sector in Moldova: Evaluation of strategic options“ German Economic Team in Moldova Policy Paper PP/01/2010 (jointly with A. Oprunenco)

## 2009

- „Energieverbrauch in der Ukraine: Weniger ist mehr“ (Energy demand in Ukraine). Ukraine Analysen 63
- „A sensitivity analysis of economic value of different electricity storage technologies“, LARSEN Working Paper 24 (jointly with H. Xian)
- „HHI, an irrelevant indicator without a relevant market“, LARSEN Working Paper 21 (jointly with D. Perrot-Voisard)
- „Expected vs. Observed Storage Usage: Limits to Intertemporal Arbitrage“ in A. Creti (ed.) „The Economics of Natural Gas Storage: A European Perspective“, Springer (jointly with A. Neumann)
- „The EU Integration of the New Member States' Electricity Markets – Testing for Wholesale Price Convergence Using the Kalman Filter“ in F. Lévêque and J.-M. Glachant (eds.) „Electricity Reform in Europe: Towards a Single Energy Market“, Edward Elgar
- „Ensuring EU Enlargement to New Member States“ in F. Lévêque and J.-M. Glachant (eds.) „Electricity Reform in Europe: Towards a Single Energy Market“, Edward Elgar (jointly with Ch. von Hirschhausen).
- „Eastern Partnership: Prospects for intensifying the Belarus - EU relations in the energy sector?“ German Economic Team in Belarus Policy Paper PP/08/2009
- „The Belarusian Electricity Sector: Financing Sources for Investments“ IPM Policy papers 03/2009 (jointly with A. Zaborovskiy)
- „Exporting electricity to the EU - more than switching frequencies“ German Advisory Group Policy Paper 07/2009 (jointly with D. Naumenko)

## 2008

- „Restructuring the Belarusian Electricity Sector: Setting the Agenda“ IPM Policy papers 05/2008 (jointly with A. Zaborovskiy and R. Giucci)
- „The case for tariff differentiation in the Belarusian electricity sector“ IPM Policy papers 04/2008 (jointly with A. Zaborovskiy)
- „**First Evidence of Asymmetric Cost Pass-through of EU Emissions Allowances: Examining Wholesale Electricity Prices in Germany**“, *Economics Letters* 99(3), p. 465-469 (jointly with Ch. von Hirschhausen)
- „**Convergence of Electricity Wholesale Prices in Europe? - A Kalman Filter Approach**“, *Energy Economics* 30(4), p. 1659-1671
- „A Markov Switching Model of the Merit Order to Compare British and German Price Formation“ DIW Berlin Diskussionspapier 714

## 2007

- „Preisbildung und Marktmacht auf den Elektrizitätsmärkten in Deutschland“ (Price Formation and Market Power in German Electricity Markets) jointly with Ch. von Hirschhausen and H. Weigt. Report for the Association of Industrial Energy Users (VIK)
- „Strom Länderberichte Mitteleuropa“ (Electricity Country Reports – Central Europe) and „Umweltschutz als Kostenfaktor in den Neuen Mitgliedsländern“ (The Cost of Environmental

Protection in the New Member States Energy Sectors) in the framework of a project for the German Ministry of Economics and Labor

## **2006**

„DIW Weekly Bulletin on the German EU Presidency“ jointly with C. Binzel, A. Danzer, H. Engerer, F. Holz, A. Muravyev, A. Oshchepkov, K. Schindler, M. Schrooten, U. Thießen, N. Weißhaar. DIW Wochenbericht, No. 51-52, 2006