

Dr. Athanasios Dagoumas

Dr. Athanasios Dagoumas is an Assistant Professor in Energy and Resource Economics and Director of the Energy & Environmental Policy laboratory at the Department of International and European Studies at the University of Piraeus. He holds a Diploma in Electrical and Computer Engineering from the Aristotle University in Thessaloniki, where he elaborated his PhD in Energy Economics. He is a Member of the Board of the Cambridge Trust for New Thinking in Economics. He has more than 15 years of work and research experience in energy related issues, including working as a Senior Researcher at the University of Cambridge and as a Senior Energy Analyst at the Transmission System Operator and at the Electricity Market Operator in Greece. Moreover he was enrolled as a Special Advisor to the Ministry of Environment, Energy and Climate Change in Greece. His extensive experience builds his capacity for an in-depth understanding of multidisciplinary aspects of the global energy sector: economic, engineering, environmental and policy. He is keen on developing models for the energy system, the economic-energy-environment (E3) systems and the real energy markets.

Contact Information

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Career Objective

Professor in Energy Economics, Head of Energy Markets Analysis

Summary of Professional Skills and Accomplishments

- More than 15 years of work and research experience in energy related issues
- Involved in more than 15 research projects and more than 15 in-company working papers in energy market related issues
- Conducting robust analysis, monitoring and reporting of global energy markets: electricity, natural gas, emission rights
- In depth understanding of multidisciplinary aspects of the energy sector: economic, engineering, environmental and legal
- Assessing and facilitating strategies towards reducing climate change risks through mitigation and adaptation and balancing environmental, economic and energy security aims through policy innovations
- Building models for analyzing and forecasting energy markets and integrated models of economic, environmental and energy systems to understand the links between climate science, climate policy and climate risk
- Strong experience in analytical skills using Excel, Advanced Excel (VBA), PL/SQL in Oracle, C++, GAMS, Fortran, Energy system models, Econometric and Statistical packages
- Sound and multidisciplinary education (Engineering background, PhD in Energy Economics and Energy Policy, Postdoc at Cambridge University in Energy Economics and Climate Change)

Summary of Personal Skills

- Hard-working and open-minded
- Highly responsible person, able to undertake a number of projects and ensure they are completed
- Leading, organizational and team-building capabilities
- Excellent communication and presentation skills, extensive dissemination work

Key Areas

- Energy Markets
- Energy and Natural Resource Economics
- Economy-Energy-Engineering-Environment Modelling
- Energy and Environmental Policy
- Climate Change
- Power Systems, Renewables and Distributed Generation

Professional Experience

Current post

- 04/2016 - Present **Assistant Professor in “Energy and Resource Economics”**, Dept. of European and Environmental Studies, University of Piraeus, Greece
- 10/2016 - Present **Director of the “Energy and Environmental Policy Laboratory”**, Dept. of European and Environmental Studies, University of Piraeus, Greece

Other posts

- 08/2014 - 04/2016 **Lecturer in “Energy and Resource Economics”**, Dept. of European and Environmental Studies, University of Piraeus, Greece
- 09/2013 - 08/2014 **Special Advisor to the Minister of Energy & Climate Change**, Greece
- 02/2012 - 09/2013 **Senior Energy Analyst, Electricity Market Operator (LAGIE S.A.)**, Greece
- 07/2009 - 01/2012 **Senior Energy Analyst, Hellenic Transmission System Operator (HTSO S.A.)**, Greece
- 03/2009 - 07/2009 **Senior Research Associate, Cambridge Center for Climate Change Mitigation Research (4CMR)**, Department of Land Economy, University of Cambridge, UK
- 08/2007 - 02/2009 **Research Associate, Cambridge Center for Climate Change Mitigation Research (4CMR)**, Department of Land Economy, University of Cambridge, UK
- 10/2006 - 09/2007 **Visiting Lecturer** at the Department of Electrical and Computer Engineering, **Aristotle University of Thessaloniki (AUTH)** & at the Technological Education Institute (TEI) of Western Macedonia, Greece
- 09/2003 - 09/2006 **Research Assistant – Project Engineer**, Power Systems Laboratory, Department of Electrical and Computer Engineering, **Aristotle University of Thessaloniki**, Greece

03/2002 - Present	Professional Licensed Electrical and Computer Engineer
11/2001 - 03/2003	Military duty within the Hellenic Air Force with responsibilities the "Operation of the Medium (20kV) Voltage substation that fed the 1st Flight Control Centre (FCC)"
06/2000 - 07/2000	Practical training under the IAESTE exchange program within the Croatian public electroproduction company "Hravtska Elektroprivreda"

Education

10/2002 - 07/2006	PhD, Department of Electrical and Computer Engineering, Aristotle University of Thessaloniki, Greece PhD Thesis: "Influence of the Kyoto Protocol and of the Distributed Generation on Power System Planning" Supervisor: Professor Emeritus Petros Dokopoulos
10/1996 - 11/2001	Diploma in Electrical and Computer Engineering, Aristotle University of Thessaloniki, Greece Diploma Thesis: "Inductive interference of the overhead power lines on the nearby pipelines"

Research projects

01/2019 - 12/2022	"INTERFACE:TSO-DSO-Consumer INTERFACE aRchitecture to provide innovative grid services for an efficient power system", Horizon 2020 project, Project Grant Agreement No. 824330, within the Call: H2020-LC-SC3-2018-2019-2020 (Building a low-carbon, climate resilient future: secure, clean and efficient energy) Topic: LC-SC3-ES-5-2018-2020, Project C.410, Research Center of the University of Piraeus
11/2017 - 02/2018	"Analysis of EUPHEMIA order types for the needs of adopting the target model in Greek wholesale power market", funded by the Joint Research Centre, Project C.173, Research Center of the University of Piraeus
07/2017 - 10/2017	"Development of neural network models for short-term demand forecasting", funded by the Mytilineos Holding S.A., Project B.653, Research Center of the University of Piraeus
01/2016 - 01/2017	"Development of a risk management model for the Public Power Corporation S.A.", funded by the PPC S.A., Project B.755, Research Center of the University of Piraeus
05/2015 - 05/2017	"Forecasting natural gas consumption in the electroproduction sector", funded by the Public Supplier Company S.A. (DEPA), Greece
10/2015 - 10/2015	«HERON: Forward-looking socio-economic research on energy efficiency in EU countries», EC project 649660, funded under the Research and Innovation Action, H2020-EU.3.3.6.
03/2015 - 05/2015	"Modelling the Day-Ahead electricity market in Greece », funded by NRG Trading S.A.
01/2015 - 02/2015	"The influence of the energy cost on the competitiveness of the Hellenic industrial sector", funded by Citizens Network for Europe and Greece,

	Project B.395, Research Center of the University of Piraeus
03/2012 - 12/2012	“Promitheas-4: Knowledge transfer and research needs for preparing mitigation/adaptation policy portfolios”, THEME ENV.2010.1.1.6-2 ENV.20101.1.6.2ENV of the EC FP7
03/2009 - 07/2009	"NewEDGE:New Economics of Decarbonising the Global Economy", funded by The Three Guineas Trust
01/2008 - 06/2008	“Cities: Tyndall Centre Phase II programme: Engineering Cities”, funded by the UK research councils NERC, EPSRC and ESRC
10/2007 - 03/2009	“GFC: Green Fiscal Commission”, funded by the Esmee Fairbairn Foundation
08/2007 - 03/2009	“UKERC2050: UK Energy Research Centre Phase I programme”, funded by the UK research councils NERC, EPSRC and ESRC
05/2007 - 10/2007	“Promitheas-2: EU-BSEC Energy and Climate Policy Network)"" funded by the EC FP6
06/2004 - 06/2006	“Impact of distributed generation on power systems”, Scholarship from the General Secretary of Research & Development. Scholarship number: 03EΔ947
01/2004 - 06/2005	“EUDEEP:The birth of EUropean Distributed EnErgy Partnership that will help the large-scale implementation of distributed energy resources in Europe”, funded by the EC FP6
09/2003 - 06/2005	“PowerManSwitch (PMS): An Innovative Energy Consumption Management System Based on a Punctual Electrical Control Device”, funded by the EC FP5
01/2004 - 12/2004	“Electromechanical study of the Combined Cycle power plant in Lavrio”, funded by RODAX S.A..

Awards

2006-2007	Scholarship from the Research Committee of AUTH for postdoctoral research
2004-2006	PhD scholarship from the Hellenic General Secretariat for Research & Technology
2003-2006	Scholarship from the "Bodossakis" Foundation
2003-2004	Scholarship from the Research Committee of AUTH
2002	Prize from the Technical Chamber of Greece/Chapter of Central Macedonia for achieving the highest grade in the graduate period
2001	Achieved marks (8.24/10) within the top 5% in comparison to those of my peers, highest grade in the graduate period
1997-2000	Scholarships from the "Vrentzou" and "Konstantinidis" Foundations

Others

Memberships:	International Association of Energy Economics (IAEE), British Institute of Energy Economists (BIEE), International Council on Large Electric Systems (CIGRE), Technical Chamber of Greece (TEE-TCG), Hellenic Association of Mechanical and Electrical Engineers (HAMEE).
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Affiliations: Member of TEE-TCG working group "Renewables Energy Resources",
Independent expert for the evaluation of the proposals received under the
Connecting Europe Facility (CEF) of the European Commission

Editorial Board: Macro Management & Public Policies, Low Carbon Economy

Journal referee: Energy Policy, The Energy Journal, Energy Economics, Climate Policy,
International Journal of Energy Sector Management, Low Carbon Economy,
International Journal of Sustainable Energy.

Languages: Hellenic, native; English, fluent; German, basic.

Programming skills

- PL/SQL language, which is needed for the development of the reporting system within the Electricity Market Model in HTSO S.A..
- Oracle Database 10g, Oracle SQL Developer, which are needed for the use and development of the Electricity Market Model in HTSO S.A..
- FORTRAN, OX, IDIOM languages, which are needed for working with 4CMR models.
- Visual Studio and SVN platforms, which are needed for working with 4CMR models.
- C, C++ languages, concerning applications for power and energy systems
- GAMS/GEMPACK environment, concerning general equilibrium models
- CCAM, E3MG, MDM-E3, GTAP-E, WASP, LEAP, BALANCE, NEPLAN models
- EVIEWS, SPSS, R statistical and econometric packages
- HTML and javascript languages, concerning web development
- Microsoft Office, Lotus Notes and other software

Dissemination work

Journal Papers

1.49	Panapakidis I., Sourtzi V.S., Dagoumas A., 2020, Forecasting the fuel consumption of passenger ships with a combination of shallow and deep learning, Electronics, section:Artificial Intelligence (accepted)
1.48	Dagoumas A., Polemis M., Soursou S. 2020, Revisiting the impact of energy prices on economic growth: Lessons learned from the European Union, Economic Analysis and Policy, Vol. 66, pp. 85-95
1.47	Dagoumas A., Koltsaklis N., 2020, Zonal pricing in Kazakhstan power system with a unit commitment model, International Journal of Energy Economics and Policy, Vol. 10, pp. 24-36
1.46	Dagoumas A., Polemis M., 2020, Carbon pass-through in the electricity sector: An econometric analysis, Energy Economics, Vol. 86, 104621
1.45	Koltsaklis N.E., Dagoumas A.S., 2020, An optimization model for integrated portfolio management in wholesale and retail power markets, Journal of Cleaner Production, Vol. 248, 119198
1.44	Leventakos K., Dagoumas A., 2019, "Financial analysis of European energy

	companies, Macro Management & Public Policies, Vol. 1, Issue 2, pp. 29-40
1.43	Dagoumas A., Koltsaklis N., 2019, Review of models for integrating renewable energy in the generation expansion planning, Applied Energy, Vol. 242, 1573-1587
1.42	Dagoumas A., 2019, Assessing the impact of cyber security attacks on power systems, Energies, Section in Electrical Power and Energy System, Vol. 12, 725
1.41	Dagoumas A., 2019, Impact of bilateral contracts on wholesale electricity markets: in case where a market participant has dominant position, Applied Sciences, Special section in Energy, Vol. 9, 382
1.40	Perifanis T., Dagoumas A., 2019, Living in an Era when Market Fundamentals Determine Crude Oil Price, The Energy Journal, Vol. 40, Special section: The New Era of Energy Transition
1.39	Adrachtas P., Dagoumas A., 2019, Integration of electric vehicles in the unit commitment problem with uncertain renewable electricity generation, International Journal of Energy Economics and Policy, Vol. 9, 315-333
1.38	Markovic F., Lazarou S., Dagoumas A., 2018, Energy and climate policy consideration using the GCAM model: Assessing energy sources and technology options, International Journal of Renewable Energy Research, Vol. 4, 2299-2309
1.37	Koltsaklis N.E., Dagoumas A.S., 2018, A power system scheduling model with carbon intensity and ramping capacity constraints, Operational Research, https://doi.org/10.1007/s12351-018-0440-z
1.36	Perifanis T., Dagoumas A., 2018, Price and volatility spillovers between the US crude oil and natural gas wholesale markets, Energies, Vol. 11, 2757
1.35	Koltsaklis N.E., Dagoumas A.S., 2018, Policy implications of power exchanges on operational scheduling: Evaluating EUPHEMIA's market products, Energies, Vol. 11, 2715
1.34	Koltsaklis N.E., Dagoumas A.S., 2018, Incorporating unit commitment aspects to the European electricity markets algorithm: An optimization model for the joint clearing of energy and reserve markets, Applied Energy 231, 235-258
1.33	Koltsaklis N.E., Dagoumas A.S., 2018, State-of-the-art generation expansion planning: A review, Applied Energy 230, 563-589
1.32	Koltsaklis N.E., Dagoumas A.S., 2018, Transmission Expansion and Electricity Trade: A Case Study of the Greek Power System, International Journal of Energy Economics and Policy 8 (5), 64-71

1.31	Dagoumas A., Perifanis T., Polemis M., 2018, An econometric analysis of the Saudi Arabia's crude oil strategy, <i>Resources Policy</i> 59, 265-273
1.30	Lazarou S., Ekonomou L., Dagoumas A., 2018, Correlation Between Representative Concentration Pathways and Paris Agreement, <i>International Journal of Renewable Energy Research</i> , Vol. 8, pp. 929-940
1.29	Papaioannou G.P., C. Dikaiakos, A. S. Dagoumas, A. Dramountanis, Papaioannou P.G., 2018, Detecting the impact of fundamentals and regulatory reforms on the Greek wholesale electricity market using a SARMAX/GARCH model, <i>Energy</i> , Vol. 142, pp. 1083-1103
1.28	Charokopos M., Dagoumas A., 2018, State Capitalism in Time: Russian, Natural Gas at the Service of Foreign Policy, <i>Europe – Asia Studies</i> , Vol. 70, pp. 441-461
1.27	Panapakidis I., Asimopoulos N., Dagoumas A., Christoforidis G.C., 2017, An Improved Fuzzy C-Means Algorithm for the Implementation of Demand Side Management Measures, <i>Energies</i> , Vol. 10, 1407
1.26	Perifanis T., Dagoumas A., 2017, An econometric model for the oil dependence of the Russian economy, <i>International Journal of Energy Economics and Policy</i> , Vol. 7, pp. 7-13
1.25	Dagoumas A., Koltsaklis N., 2017, Price signal of tradable Guarantees of Origin (GOs) for hedging risk of RES investments, <i>International Journal of Energy Economics and Policy</i> , Vol. 7, pp. 59-67
1.24	Koltsaklis N., Dagoumas A., Panapakidis I., 2017, Impact of the penetration of renewables on flexibility needs, <i>Energy Policy</i> , Vol. 109, pp. 360-36
1.23	Dagoumas A., Polemis M., 2017, An integrated model for assessing electricity retailer's profitability with demand response, <i>Applied Energy</i> , Vol. 198, pp. 49-64
1.22	Dagoumas A., N. Koltsaklis, Panapakidis I., 2017, An integrated model for risk management in electricity trade, <i>Energy</i> , Vol. 124, pp. 350-363
1.21	Skarakis A., Dagoumas A., 2017, An optimization model for of the European natural gas system, <i>International Journal of Energy Economics and Policy</i> , Vol. 7, pp. 48-60
1.20	Vlachava K., Dagoumas A., 2017, Energy Security and Climate Policy Implications in Destabilizing the Middle East and North Africa Region, <i>Geopolitics of Energy</i> , Vol. 39, Issue 3, pp. 2-12

1.19	Panapakidis I.P., Dagoumas A.S., 2017, Day-ahead natural gas demand forecasting based on the combination of wavelet transform and ANFIS/genetic algorithm/neural network model, <i>Energy</i> , Vol. 118, pp. 231-245
1.18	Dagoumas A., Flouros F., 2017, Energy Policy Formulation in Israel Following its Recent Gas Discoveries, <i>International Journal of Energy Economics and Policy</i> 7, Issue 1, pp. 19-30
1.17	Dagoumas A., Charokopos M., 2016, Gazprom's strategy: Natural resources as foreign policy tool, <i>Geopolitics of Energy</i> , Vol. 38, Issue 7, pp. 14-24
1.16	Koltsaklis N., Dagoumas A., Georgiadis G., Papaioannou G., Dikaiakos C., 2016, A mid-term hybrid energy planning and unit commitment problem to optimally assess the impact of electric interconnections, <i>Applied Energy</i> , Vol. 179, pp. 17-35
1.15	Panapakidis I., Dagoumas A., 2016, Day-ahead electricity price forecasting via the application of artificial neural network based models, <i>Applied Energy</i> , Vol.172, pp. 132–151
1.14	Flouros F., Dagoumas A., 2016, Identifying Critical Success Factors that Positively Affect Cyprus-Turkey Relations in the Case of Hydrocarbon Exploration in Cyprus' Exclusive Economic Zone, <i>Geopolitics of Energy</i> , Vol. 38, Issue 2, pp. 6-12
1.13	Koltsaklis N.E., Dagoumas A.S., Kopanos G.M., Pistikopoulos E.N., Georgiadis M.C., 2014, A Spatial Multi-period Long-term Energy Planning Model, <i>Applied Energy</i> , Vol. 115, pp.456-482
1.12	Dagoumas A., Kitsios F., 2014, Assessing the impact of the economic crisis on energy poverty in Greece, <i>Sustainable Cities and Society</i> , Special Issue on Energy Poverty in Cities and Urban Settlements, Vol. 13, pp. 267-278
1.11	Dagoumas A., 2014, Modelling socio-economic and energy aspects of urban systems, <i>Sustainable Cities and Society</i> , Special Issue on Energy Poverty in Cities and Urban Settlements, Vol. 13, pp. 196-206
1.10	Polemis M., Dagoumas A., 2013, The Electricity Consumption and Economic Growth Nexus: Evidence from Greece, <i>Energy Policy</i> , Vol. 62, pp. 798-808
1.09	Dagoumas A., 2013, Producing a Double Dividend for the EU-27 and USA with the Macroeconomic E4M-GAIA Model: Meeting G8 80% Emissions Reduction Target Leads to Economic Growth, <i>Low Carbon Economy</i> , Vol. 4, pp. 51-62
1.08	Walsh C.L., Dawson R.J., Hall J.W., Barr S.L., Batty M., Bristow A.L., Carney S., Dagoumas A., Ford A.C., Harpham C., Tight M.R., Watters H., Zanni A., 2011, Assessment of climate change mitigation & adaptation in cities, <i>ICE - Urban Design</i>

	and Planning, Vol.164, Issue 2, pp. 75-84.
1.07	Dagoumas A., Barker T., 2010, Pathways to a Low-Carbon Economy for the UK with the macro-econometric E3MG model, Energy Policy, Vol. 38, Issue 6, pp. 3067-3077.
1.06	Barker T., Dagoumas A., 2009, The macroeconomic rebound effect from the implementation of energy efficiency policies at global level, Euro-Asian journal of Sustainable Energy Development, Vol. 1, Issue 3
1.05	Barker T., Dagoumas A., Rubin J., 2009, The macroeconomic rebound effect and the world economy, Energy Efficiency, Vol. 2, Issue 4, pp. 411-427
1.04	Dagoumas A.S., Panapakidis I.P., Papagiannis G.K., Dokopoulos P.S., 2008, Post-Kyoto energy consumption strategies of the Greek interconnected electric system, Energy Policy, Vol. 36, Issue 6, pp. 1980-1999
1.03	Papagiannis G., Dagoumas A., Lettas N., Dokopoulos P., 2008, Economical and environmental impacts of the implementation of an intelligent electrical energy consumption management system at the European level, Energy Policy, Vol.36, Issue 1, pp. 163-180
1.02	Dagoumas A.S., Kalaitzakis E., Papagiannis G.K., Dokopoulos P.S., 2007, A post-Kyoto analysis of the Greek electric sector, Energy Policy, Vol. 35, Issue 3, pp. 1551-1563
1.01	Dagoumas A.S., Papagiannis G.K., Dokopoulos P.S., 2006, An economic assessment of the Kyoto Protocol application, Energy Policy, Vol. 26, Issue 1, pp. 26-39

Conference Papers

2.52	Dagoumas A., Koltsaklis N., 2019, Assessing Market Strategies In Competitive Wholesale Electricity Market: The Case Of Kazakhstan With A Unit Commitment Model, 4th IAEE Eurasian Conference, 17-19 October, 2019 - Nur-Sultan, Kazakhstan
2.51	Panapakidis I, Dagoumas A, 2019, Load curves partitioning with the application of soft clustering algorithms, UPEC 2019, 54th International Universities Power Engineering Conference, 3-6 September 2019, Bucharest, Romania
2.50	Panapakidis I, Dagoumas A, 2019, Long-term load forecasting based on the combination of wavelet transform and ANFIS/Firefly Algorithm model: An application in the Greek power system, UPEC 2019, 54th International Universities Power Engineering Conference, 3-6 September 2019, Bucharest, Romania
2.49	Dagoumas A., 2019, Impact of bilateral contracts on wholesale electricity markets, 7th International Conference of the Latin American Association for Energy Economics (LAAEE) on Decarbonization, Efficiency and Affordability: New Energy

	Markets in Latin America, 10-12 March 2019, Buenos Aires, Argentina.
2.48	Markovic F., Lazarou L., Dagoumas A., 2018, Assessing Representative Carbon Pathways for Europe, 6th International Conference of Renewable Electrical Power Sources, 11-12 October 2018, Belgrade, Serbia
2.47	Koltsaklis N., Dagoumas A., 2018, Incorporating Unit Commitment Technical Features to the Pan-European Hybrid Electricity Market Integration Algorithm (EUPHEMIA), 36th USAEE/IAEE North American Conference, 23-26 September 2018, Washington, USA
2.46	Panapakidis I., Perifanis T., Dagoumas A., 2018, The Effect of Dimensionality Reduction Methods in Short-Term Load Forecasting Performance, 15th International Conference on European Energy Market (EEM 2018), 27-29 June 2018, Łódź, Poland
2.45	Perifanis T., Panapakidis I., Dagoumas A., 2018, The relationship between the Brent crude oil and the National Balancing Point natural gas prices, 15th International Conference on European Energy Market (EEM 2018), 27-29 June 2018, Łódź, Poland
2.44	Markovic F., Lazarou S., Dagoumas A., 2018, Assessing energy carriers and technology options on the Representative Concentration Pathways, 7th International Symposium & 29th National Conference on Operational Research, 14-16 June 2018, Chania, Greece
2.43	Koltsaklis N., Dagoumas A., 2018, Effect of the adoption of “EUPHEMIA” algorithm in the Greek day-ahead electricity market, 3rd International Conference of the Hellenic Association of Energy Economics (HAEE), 3-5 May 2018, Athens, Greece
2.42	Panapakidis I., Dagoumas A., 2017, Modeling Demand-Price Curve: A Clustering Approach to Derive Dynamic Elasticity for Demand Response Programs, 40th International Conference of the International Association of Energy Economics (IAEE), 18-21 June 2017, Singapore.
2.41	Panapakidis I., Christoforidis G., Asimopoulos N., Dagoumas A., 2017, A Novel Demand Side Management Strategy Implementation Utilizing Real-Timing Pricing Schemes, 17th International Conference on Environment and Electrical Engineering, 6-9 June 2017, Milan, Italy.
2.40	Panapakidis I., Christoforidis G., Asimopoulos N., Dagoumas A., 2017, Combining Wavelet Transform and Support Vector Regression Model for Day-Ahead Peak Load Forecasting in the Greek Power System, 17th International Conference on Environment and Electrical Engineering, 6-9 June 2017, Milan, Italy.
2.39	Skoteinos I., Vlachou A., Dagoumas A., 2017, Economic analysis of a vertically integrated electricity company: Case study of regulatory market share reduction in the

	Greek wholesale electricity market during the period 2017 - 2019, 2nd International Conference of the Hellenic Association of Energy Economics (HAEE), 18-20 May 2017, Athens, Greece
2.38	Psiloglou B., Giannakopoulos C., and Dagoumas A., 2016, Electricity consumption characteristics for areas in and around Athens, International Conference for Energy in Buildings 2016, 12 November 2016, Athens.
2.37	Dagoumas A., 2016, An optimization model for evaluating the Projects of Common Interest (PCIs) towards the integration of European gas market, 4th PanHellenic Conference on Natural Resource and Environmental Economics, 4- 5 November 2016, Volos
2.36	Perifanis T., Dagoumas A., 2016, An econometric analysis on the Saudi Arabia's crude oil production strategy, 4th PanHellenic Conference on Natural Resource and Environmental Economics, 4- 5 November 2016, Volos
2.35	Gkarakis K., Dagoumas A., 2016, The operation of Guarantees of Origin (GOs) from Renewable Energy Sources in the liberalized Greek electricity market, 4th PanHellenic Conference on Natural Resource and Environmental Economics, 4- 5 November 2016, Volos
2.34	Dagoumas A., 2016, An econometric model for energy demand forecasting for transport and buildings sector for EU countries, 9th International Scientific Conference on "Energy and Climate Change", 12-14 October 2016, Athens, Greece
2.33	Gkarakis K., Dagoumas A., 2016, Assessment of the implementation of Guarantees of Origin (GOs) in Europe, 11th International Conference on Deregulated Electricity Market Issues in South Eastern Europe, 22-23 September 2016, Heraklion, Greece
2.32	Dagoumas A., Angelopoulou S., 2015, Behavioral Financing of Investors in Renewable Energy Resources, 6 th National Conference of the Financial Engineering and Banking Society, 20-21 December 2015, Piraeus.
2.31	Dagoumas A., Koltsaklis N., 2015, Assessing the impact of the Electric Interconnection of Crete in the Day Ahead Electricity Market and the Electric Mix, 3rd PanHellenic Conference on Natural Resource and Environmental Economics, 30-31 October 2015, Volos
2.30	Dagoumas A. 2015, Key Energy priorities for the EU: Internal Energy Market, Energy Security and Climate Change, International Conference: Energy Developments in a changing world: Political, economic and legal realignments, 22 January 2015, Abu Dhabi, United Arab Emirates
2.29	Koltsaklis N.E., Dagoumas A.S., Kopanos G.M., Pistikopoulos E.N., Georgiadis M.C., 2013, A mathematical programming approach to the optimal long-term national

	energy planning, Chemical Engineering Transactions, Vol. 35, 625-630
2.28	Koltsalkis N., Dagoumas A., Kopanos G., Pistikopoulos E., Georgiadis G., 2013, Implementation of linear programming methods for the optimum long-term energy planning at national level, 9o Panhellenic scientific conference of Chemical Engineering, 23-25 May 2015, Athens (in Hellenic).
2.27	Panapakidis I.P., Dagoumas A.S., Alexiadis M.C., Papagiannis G.K., 2013, Improvements in the Clustering Validity Indexes of the Load Profiling Methodology, Energy Market Conference (EEM13), 28-30 May 2013, Stockholm, Sweden.
2.26	Psiloglou B.E., Giannakopoulos C., Dagoumas A., 2012, Characteristics of energy consumption levels for areas in and around Athens, 5th International Scientific Conference on “Energy and Climate Change”, 11-12 October 2012, Athens, Greece
2.25	Psiloglou B.E., Giannakopoulos C., Dagoumas A., Skourtis K., 2012, Energy consumption and temperature correlations for 4 Greek Ionian Sea islands, European Geosciences Union General Assembly 2012, 22 – 27 April 2012, Vienna, Austria.
2.24	Dagoumas A., Impact of Energy Taxation in Electro-production from Natural Gas units on the Greek Electricity Market, Energy and Climate Change Conference, 13-14 October 2011, Athens, Greece.
2.23	Dagoumas A., Modelling the transport energy system towards implementing climate policies, Energy and Climate Change Conference, 7-8 October 2010, Athens, Greece.
2.22	Dagoumas A., E4M-GAIA: Energy-Economy-Environment-Engineering Modelling of Gaia, Energy and Climate Change Conference, 7-8 October 2010, Athens, Greece.
2.21	Dagoumas A., Barker T., Implementing the G8 80% target with the macro-econometric E3MG model, Energy and Climate Change Conference, 8-9 October 2009, Athens, Greece.
2.20	Hall J.W., Dawson R.J., Barr S.L., Batty M., Bristow A.L, Carney S., Dagoumas A., Ford A., Harpham C., Tight M.R., Walsh C.L., Watters H., Zanni A.M, City-scale integrated assessment of climate impacts, adaptation and mitigation, Urban Research Symposium 2009, June 28-30, 2009, Marseille, France
2.19	Dagoumas A., Barker T., Pollitt H., Energy investments under the financial crisis, 2009 International Energy Workshop, 17-19 June 2009, Venice
2.18	Dagoumas A., Barker T., The macroeconomic rebound effect from the implementation of energy efficiency policies at different end-use sectors at global level, IARU International Scientific Congress on Climate Change, 10-12 March 2009. Copenhagen, Denmark

2.17	Dagoumas A., Barker T., Sriescu S., Stretton S., Top-down technological modelling of stabilisation pathways: UKERC scenarios for the UK to 2050 using E3MG-UK, IARU International Scientific Congress on Climate Change, 10-12 March 2009. Copenhagen, Denmark
2.16	Dawson R., Hall J., Barr S., Batty M., Bristow A., Carney S., Dagoumas A., Evans S., Ford A., Kohler J., Tight M., Walsh C., Watters H., Zanni A., City-scale integrated assessment of climate impacts, adaptation and mitigation, IARU International Scientific Congress on Climate Change, 10-12 March 2009. Copenhagen, Denmark
2.15	Barker T., Dagoumas A., The macroeconomic rebound effect from the implementation of energy efficiency policies at global level, The International Black Sea Energy Policy Conference - "Energy Investments and Trade Opportunities", 8-9 October 2008, Athens, Greece
2.14	Hall J.W., T.R. Phillips, R.J.Dawson, S.L. Barr, A.C Ford, M.Batty, A. Dagoumas, P. Sayers, Strategic appraisal of flood risk management options over extended timescales: combining scenario analysis with optimization, FLOODrisk 2008, 30 September - 02 October 2008, Oxford, UK
2.13	Dawson R., Hall L., Walsh C., Barr S., Ford A., Dagoumas A., Kohler J., Batty M., Evans S., Carney S., Watters H., Tight M., Zanni A. Bristow A., Climate change and cities: integrated assessment of impacts, adaptation and mitigation, International Conference: Climate change impacts and adaptation: Dangerous rates of change, 22-24 September 2008, Exeter, UK.
2.12	Stretton S., Barker T., Dagoumas A., Carbon and Energy Price Uncertainty Analysis Using the Global E3MG Model, International Energy Workshop 2008, 30 June - 02 July 2008, International Energy Agency, Paris, France
2.11	Dagoumas A.S., Panapakidis I.P., Papagiannis G.K., Dokopoulos P.S., Different energy consumption strategies for the Greek electric sector, ENERTECH 2007, October 18-21, 2007, Athens, Greece
2.10	Dagoumas A., Marinopoulos A., Kinis F., Demoulias C., Dokopoulos P., Influence of distributed generators on the harmonic level of a 20 kV distribution network, ICEM 2006, September 2-5, 2006, Crete, Greece
2.09	Dagoumas A., Marinopoulos A., Papagiannis G., Dokopoulos P., Simulation of Small Hydro Generators in Islanding Operation in weak Distribution Networks, ICEM 2006, September 2-5, 2006, Crete, Greece
2.08	Dagoumas A., Lettas N., Tomaras K., Papagiannis G., Dokopoulos P., Zafirakis A., Fachouridis S., Manousaridis K., Transient Analysis of Distributed Small Hydro Generators in a Network, Amsterdam FPS 2005 Conference, Netherlands, November

	16-18th, 2005
2.07	Lettas N., Dagoumas A., Dokopoulos P., Manousaridis I., Short Circuit Study on a Network Containing One Single Shaft Combined Cycle Power Station, with Rated Power 468 MVA, ISAP 2005, November 6-10, 2005, Washington DC, USA.
2.06	Lettas N., Dagoumas A., Papagiannis G., Dokopoulos P., Zafirakis A., Fachouridis S., Manousaridis K., A Case Study of the Impacts of Small Hydro Power Plants on the Power Distribution Network with the Combination of On Load Tap Changers, PowerTech 2005, 27-30 June 2005, St. Petersburg, Russia.
2.05	Dagoumas A., Lettas N., Papagiannis G., Dokopoulos P., Zafirakis A., Fachouridis S., Manousaridis K., Maximizing distributed generation capacity of small hydro plants in a distribution network, to be presented in CIGRE Symposium: Power Systems with dispersed generation, 13-16 April 2005, Athens, Greece
2.04	Dagoumas A., Lettas N., Tsiamitros D., Papagiannis G., Dokopoulos P., Economic and environmental consequences from the implementation of energy management system at European level, HELECO05, 3-6 February 2005, Athens (in Hellenic)
2.03	Dagoumas A., Papagiannis G., Dokopoulos P., Analysis of the economic and environmental consequences from the implementation of the Kyoto Protocol at global level, HELECO05, 3-6 February 2005, Athens (in Hellenic)
2.02	Dagoumas A., Lettas N., Papagiannis G.K., Dokopoulos P.S., Analysis of the economic and environmental impacts from the implementation of an efficient technology in the consumption side, MedPower04 Conference, 15-17 November 2004, Lemesos, Cyprus
2.01	Lettas N., Dagoumas A., Papagiannis G., Dokopoulos P., Zafeirakis A., Fachouridis S., Manousaridis K., Distributed Generation from small hydro plants. A case study of the impacts on the power distribution network, MedPower04 Conference, 15-17 November 2004, Lemesos, Cyprus

Book Chapters

3.06	Lychnaras V. & A. Dagoumas, 2016, "Energy policy formulation in Greece under the economic crisis", accepted for publication in the Book "Greece: Economic Crises and Management", eds. by D. Caldwell, Nova Science Publishers. ISBN: 978-1-63484-406-2
3.05	Dagoumas A., 2015, "Key Energy priorities for the EU: Internal Energy Market, Energy Security and Climate Change" in the Book "Energy & Environmental Transformations in a Globalizing World" eds. by Kalantzakos S. & N. Farantouris, Nomiki Bibliothiki, ISBN: 978-960-562-494-1
3.04	Dagoumas A., 2013, "Maritime and Climate Change: Current trends and policies", in

	the Book “Energy: Shipping and sea transportation”, eds. by N. Farantouris, Nomiki Bibliothiki, ISBN: 978-960-562-114-8 (in Hellenic)
3.03	Dagoumas A., 2012, “Energy Markets in Greece: Electricity, Natural Gas and Emission Allowances” in the Book “Energy: Law, Economics and Policy”, eds. by N. Farantouris, Nomiki Bibliothiki, ISBN: 978-960-272-985-4 (in Hellenic)
3.02	Hall J, Dawson R., Barr S, Batty M., Bristow A, Carney S, Dagoumas, A., Evans S., Ford A, Harpham C., Tight M, Walsh C., Watters A. and A.M. Zanni, 2010, “City-scale integrated assessment of climate change Impacts, Mitigation and Adaptation”, in the Book “Energy Efficient Cities: Assessment Tools and Benchmark Practices”, eds. by Ranjan k. Bose, The World Bank, USA, ISBN: 978-0-8213-8104-5
3.01	Dawson R., Hall J, Barr S, Batty M., Bristow A, Carney S, Dagoumas, A., Evans S., Ford A, Harwatt H., Kohler J., Tight M, 2009, “A blueprint for the integrated assessment of climate change in cities”, in the Book “Green CITYnomics: The Urban War against Climate Change”, eds. by Kenny Tang, Greenleaf Publishing, UK, ISBN: 978-1-906093-22-8

Rest Publications

4.16	Pierre Mann, Paulius Butkus, Athanasios Dagoumas, Nathan Appleman, Sirpa Repo, Beata Polgari, Gianluigi Migliavacca, 2020, “Definition of new/changing requirements for Market Designs”, Deliverable of Task 3.2, Horizon 2020 project: TSO-DSO-Consumer INTERFACE aRchitecture to provide innovative Grid Services for an efficient power system
4.15	Gianluigi Migliavacca, Marco Rossi, Dario Siface, Sirpa Repo, Paulius Butkus, Nathan Appleman, Athanasios Dagoumas, 2020, “Services design based on customers’, grids’, market players’ perspective”, Deliverable of Task 3.1, Horizon 2020 project: TSO-DSO-Consumer INTERFACE aRchitecture to provide innovative Grid Services for an efficient power system
4.14	Dagoumas A. & G. Gkoumas, 2014, «The effect of the energy cost in the competitiveness of the Greek Industry», Network for the Transformation in Greece and Europe (in Hellenic)
4.13	Memorandum submitted by the Cambridge Centre for Climate Change Mitigation Research (4CMR) - A. Anger, T. Barker, A. Dagoumas, L. Dicks, Y. Huang, S. Scricciu and S. Stretton, 2010, “The role of carbon markets in preventing dangerous climate change” in Fourth Report of Session 2009–10, House of Commons - Environmental Audit Committee.
4.12	Junankar S., Dagoumas A., Lee D., Lewney R., Summerton P., Thoung C., 2009, "A Major Green Fiscal Reform for the UK: Impacts on the Economy, Employment and the Environment", Green Fiscal Commission Briefing Paper 5.

4.11	Dawson R., Hall J, Barr S, Batty M., Bristow A, Carney S, Dagoumas, A., Evans S., Ford A, Harwatt H., Kohler J., Tight M, 2009, “A blueprint for the integrated assessment of climate change in cities”, Tyndall Working Paper 129.
4.10	Hall, J.W., Dawson, R.J., Walsh, C.L., Barker, T., Barr, S.L., Batty, M., Bristow, A.L., Burton, A., Carney, S., Dagoumas, A., Evans, S., Ford, A.C., Glenis, V., “Goodess, C.G., Harpham, C, Harwatt, H., Kilsby, C., Köhler, J., Jones, P., Manning, L., McCarthy, M., Sanderson, M., Tight, M.R., Timms, P.M. and Zanni, A.M., 2009, “Engineering Cities: How can cities grow whilst reducing emissions and vulnerability?”, Newcastle University, (ISBN 978-0-7017-0225-0)
4.09	Barker, T., Scricciu, S. S., Stretton, S. and A. Dagoumas, 2008, Response of 4CMR, Department of Land Economy, University of Cambridge to “Shadow Secretariat – Committee on Climate Change (CCC): Call for evidence”.
4.08	Barker T. and A. Dagoumas, 2008, “A Framework for Transport: towards decarbonization”, contribution to Green Alliance pamphlet on energy policy.
4.07	Dagoumas A., 2006, “Influence of the Kyoto Protocol and the Distributed Generation on the Power Systems Planning”, PhD dissertation, Department of Electrical and Computer Engineering, Aristotle University of Thessaloniki (in Hellenic)
4.06	Dagoumas A. and A. Marinopoulos, 2006, “Distributed generation problems”, report for the PENED Scholarship: 03ED947, Aristotle University of Thessaloniki (in Hellenic).
4.05	Dagoumas A., D. Labridis, P.Dokopoulos, 2005, “Aridaia Case Study”, EUDEEP Project, WP 2.3, AUTH.
4.04	Lettas N., A. Dagoumas, P. Dokopoulos, 2005, “Short circuit study - Single Shaft Combined Cycle Power Plant at Lavrion”, Lavrion Project, Contract No: 80216, AUTH.
4.03	Dagoumas A., Lambridis D., Biskas P., Dokopoulos P., 2004, The Hellenic electricity market, Technical Chronicles, September-October 2004, Scientific publication by the Technical Chamber of Greece, Volume 5.
4.02	Dagoumas A., D. Labridis, P. Dokopoulos, 2004, “Preliminary Interface Specifications”, EUDEEP Project, WP 2.5, AUTH.
4.01	Dagoumas A., D. Labridis, P. Dokopoulos, 2003, “Investigation of present DER status in Greece”, EUDEEP Project, WP 2.1, AUTH.

Invited Talks

5.37	Dagoumas A., 2019, “New challenges in power markets modelling”, Mineral and Energy Economy Research Institute of the Polish Academy of Sciences, 15 May 2019,
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	Krakow, Poland
5.36	Dagoumas A., 2019, “European Energy Policy: establishing an Energy Union”, Student chapter of the Polish Association for Energy, 14 May 2019, Krakow, Poland
5.35	Dagoumas A., 2019, “Global markets and internalizing risk and costs”, in section: The risks of gas exploration and energy markets of the international symposium: Regional East Med Gas, organized within the “Regional Climate and Energy” Project of Friedrich-Ebert-Stiftung, with the support of the Peace Research Institute Oslo (PRIO), 4 April 2019, Nicosia, Cyprus
5.34	Dagoumas, 2018, “Greece's Interests in Region-wide Gas Trading Co-operation in the Context of an Equitable Resolution to the Cyprus Issue”, KAS-Truman Institute Round-table Conference: Virtual Gas Trading Exchange for the Eastern Mediterranean: Creating Stakeholders in a Cooperative Regional Framework, November 27 to 29, 2018 Cadenabbia, Lake Como, Italy
5.33	Dagoumas, 2017, “Energy Resources a regional game changer: Towards Peace or Conflict?” experts workshop in Energy Security and Regional Cooperation in the Eastern Mediterranean Rim, KAS Regional Program South Mediterranean, 8-9 June 2017, Malta
5.33	Dagoumas 2016, dissemination of the outputs from the expert workshop in Latest Developments, current state of play and way forward- Oil and Gas in the Eastern Mediterranean”, organized by Friedrich-Ebert-Stiftung and Peace Research Institute Oslo (PRIO), 30 October – 02 November 2016, Oslo, Norway
5.31	Dagoumas 2016, “Assessment of the policy recommendations from national perspectives and state of play in national discussions”, expert workshop in Latest Developments, current state of play and way forward- Oil and Gas in the Eastern Mediterranean, organized by Friedrich-Ebert-Stiftung and Peace Research Institute Oslo (PRIO), 31 May – 01 June 2016, Athens, Greece
5.30	Dagoumas A., 2016, “Behavioral Financing of Investors in Renewable Energy Resources”, Symposium on” Social Sciences, Public Policy and Law”, 23 December 2016, Athens.
5.29	Dagoumas A., 2016, “The future of coal for hedging and energy security in a low carbon economy”, Athens Conference on European Energy Law and Policy", 30 September 2016, Athens.
5.28	Dagoumas A., 2016, “Implementing the triple dividend for the EU: energy security, climate change and internal energy market”, International Workshop on “Interactions of energy, climate and monetary policies in large-scale Energy, Environment and Economy models”, 22-23 September 2016,, Cambridge, UK

5.27	Dagoumas A., 2016, “Energy security and the Eastern Mediterranean” , 5th Summer Academic program for New Scientists, 9-11 September 2016, Athens (in Hellenic)
5.26	Dagoumas A., 2016, “The energy system of Turkey”, Symposium on: “Turkey and the strategic regional developments”, 30 March 2016, Piraeus (in Hellenic)
5.25	Dagoumas A. 2015, “The effect of energy cost in European competitiveness: the case of The Hellenic industry”, Conference: “The energy challenge for industry and employment”, 2 December 2015, Athens (in Hellenic).
5.24	Dagoumas A., 2015, “Integration of the European Energy Market: how the environment and the electricity bill are affected”, Café Scientific initiative for communication of science, 20 November 2015, Athens.
5.23	Dagoumas A., 2015, “Energy developments in the Eastern Mediterranean: Qualitative research for the Israeli gas exports”, EastMed Symposium for Eastern Mediterranean Scientific Cooperation, 19- 21 October 2015, Haifa, Israel.
5.22	Dagoumas A., 2015, “Regional Dynamics and Economic Growth in Eastern Mediterranean”, Annual International Summer Festival “Eastern Mediterranean: Regional Dynamics, Global Trends”, 4- 9 July 2015, Tinos, Greece.
5.21	Dagoumas A., 2015, “Environmental Protection and Energy Supply in the Eastern Mediterranean”, Expert Workshop: “Oil and Gas in the Eastern Mediterranean – Regional Challenges Ahead”, organized by Friedrich-Ebert-Stiftung and Peace Research Institute Oslo (PRIO), 11-13 June 2015, Istanbul, Turkey.
5.20	Dagoumas A., 2015, “The energy relationships between Greece and BRICS”, Scientific conference: “The role of BRICS in the world», 28 May 2015, Piraeus (in Hellenic).
5.19	Dagoumas A., 2015, “Energy Security in the Eastern Mediterranean”, International Conference: The Eastern Mediterranean between East and West, 21 May 2015, Athens, Greece
5.18	Dagoumas A., 2015, “Achieving a triple dividend for the EU: Energy security, internal energy market and climate change. The role of Greece”, International Conference: Society, Borders and Security, 24-25 April 2015, Siegen, Germany
5.17	Dagoumas A., 2015, “Key priorities for the EU: Energy Security, Internal Energy Markets and Climate Change: Focus of Greece”, Invited lecture at the Australian Embassy in Athens, 31 March 2015, Athens, Greece.
5.16	Dagoumas A., 2014, “Energy Security and Climate Change in Greece”, 1o Symposium in Environment, Energy and Climate Change, part of the συνεδρίου 2014

	Money Show event, 21 December 2014, Athens, Greece (in Hellenic).
5.15	Dagoumas A., 2014, “Russia and Energy Security”, Seminar of ELIAMEP for the Russian Foreign Policy, 3 December 2014, Athens (in Hellenic).
5.14	Dagoumas A., 2014, «Tacking Energy Security and Corruption in the framework of the European Energy policy: The case of Greece», International Conference: Energy Security and State Capture Risks in Europe, 27 October 2014, Sofia, Bulgaria
5.13	Dagoumas A., 2014, “Governmental actions and the political framework for a growing wind energy market in the future”, Delegation from Greece to Germany, “Fact-Finding Visit with the topic: The Greek Wind Energy Market”, organized by German-Hellenic Chamber of Industry and Commerce, 22-25 September 2014, Hamburg, Germany.
5.12	Dagoumas A., 2014, “Energy and Climate Change on the isolation of islands”, 3 rd Summer Academic program for New Scientists “Sustainable development, Islands and Economic Crisis”, 23-27 July 2014, Lesvos (in Hellenic)
5.11	Dagoumas A., 2014, “Energy and anthropogenic Climate Change: consequences to Greece”, in Symposium: Energy and Climate Change, 3 April 2014, Athens (in Hellenic).
5.10	Dagoumas A., 2014, “Energy networks and energy cost”, in Scientific conference: “Energy networks and Infrastructure: legal and economic aspects”, 1 April 2014, Athens (in Hellenic).
5.09	Dagoumas A., 2013, “The regulatory framework of Energy Markets in Greece”, 9th Interdisciplinary Postgraduate Programme for Training of Young Scientists on: Nature and Sustainable Development. Energy and Maritime, 6-13 September 2013, Kythira, Greece.
5.08	Dagoumas A. 2013, “International energy and climate policies” Summer School on: Environmental Governance and Sustainable Development: Environmental Diplomacy and Mediterranean, 24-28 July 2013, Spetses, Greece.
5.07	Dagoumas A., 2013, “Interaction of energy and climate policies”, Postgraduate programme: Energy policy and Sustainable Development, 25 April 2013, Panteion University, Athens, Greece.
5.06	Dagoumas A., 2013, “Energy Markets within a Climate Change framework”, Invited lecture at the Computer, Control and Management Engineering department, Sapienza University of Roma, 04 February 2013, Rome, Italy.
5.05	Dagoumas A. 2012, “Interaction of EU and Russia’s policies on natural gas”, Conference on: Energy and Sustainable Development: Relationships between the EU and Russia, 16 November 2012, Office of European Parliament, Athens, Greece.

5.04	Dagoumas A., 2012, “The operation of Energy Markets in Greece”, Postgraduate programme: Energy policy and Sustainable Development, 14 May 2012, Panteion University, Athens, Greece.
5.03	Dagoumas A., 2010, “Modelling Climate Change and Energy System uncertainties using econometric and probabilistic approaches”, International Conference on post-Kyoto Climate Change Mitigation Modelling, 17-18 June 2010, Seoul, South Korea.
5.02	Dagoumas A., 2009, “Pathways to a Low-Carbon economy with the macro-econometric E3MG model: The case of the UK and the US”, 16 April 2009, NASA Goddard Institute for Space Studies, New York, USA.
5.01	Dagoumas A., 2009, “Energy investments and the financial crisis: The case of the UK and China”, Workshop in the Chinese Academy of Social Sciences (CASS): “Modelling, forecasting & resolving the global recession, 2009 to 2012 (& later)”, 14-16 January 2009, Beijing, China.