

CURRICULUM VITAE MARC GRONWALD

Current Position:

Senior Lecturer, University of Aberdeen Business School

Address:

University of Aberdeen Business School
Edward Wright Building Block B
Dunbar Street
Aberdeen

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Other Affiliations:

Aberdeen Centre for Research in Energy Economics and Finance
ifo Centre for Energy, Climate and Exhaustible Resources (Research Associate)
Member of CESifo Research Network (Fellow)

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mgronwald@abdn.ac.uk

Date of Birth:

27th February 1975

Research Interests:

Energy Economics, Environmental and Resource Economics, Applied Econometrics, Public Economics

Positions held:

September 2013 – now Senior Lecturer, University of Aberdeen Business School

July 2008 – August 2013 Economist, ifo Institute for Economic Research

Sept 2011 – Mar 2012 Visiting Scholar, Department of Agricultural and Resource Economics, University of California at Berkeley

Nov 2004 – June 2008 Research and Teaching Assistant, University of Hamburg

Refereed Journal Articles:

Gronwald, M. (2016), “Explosive Oil Prices”, *Energy Economics*, forthcoming

Gronwald, M. (2012), “Oil and the US Economy – a Reinvestigation using Rolling Impulse Responses”, *Energy Journal* 33(4), 143-160

Gronwald, M. (2012), “A Characterization of Oil Price Behavior – Evidence from Jump Models”, *Energy Economics*, 34, 1310-1317

Gronwald, M., J.Ketterer and S.Trück (2011), “The Relationship between Carbon, Commodity and Financial Markets – A Copula Analysis”, *Economic Record*, 87, Issue Supplement s1, 105-124

Gronwald, M. (2009), “Reconsidering the Macroeconomics of the Oil Price for Germany: Testing for Causality in the Frequency Domain”, *Empirical Economics*, 36:2, 441-453

Funke, M. and M. Gronwald (2008), “The undisclosed Renminbi Basket: are the markets telling us something about where the Renminbi – US Dollar Exchange Rate is going?”, *World Economy*, 31:12, 1581-1598

Gronwald, M. (2008), “Large Oil Shocks and the US Economy: Infrequent Incidents with Large Effects”, *The Energy Journal*, 29:1, 151-171

Work in progress:

Gronwald, M. (2016), “Economics of Bitcoins”

Gronwald, M. (2016), “Mass Media, Information, and Public Policy Choice”

Gronwald, M. (2016), “Understanding Cyclical Behavior of Crude Oil Production and Consumption and their Effect on Crude Oil Prices” (joint with Xin Jin)

Gronwald, M. (2016), “Cycles in Natural-Resource Commodity Prices – a Reinvestigation using Rolling Sample Windows”

Gronwald, M. (2016), “How relevant is the Green Paradox?” (joint with Yu-Fu Chen)

Gronwald, M. (2016), “The Relationship between the Energy Markets, Carbon Markets and Financial Markets – a Frequency Domain Analysis” (joint with S. Trück)

Gronwald, M. (2016), “Explaining the CER-EUA Spread” (joint with B.Hintermann)

Gronwald, M. (2016), “Efficient Emissions Trading?” (joint with C.Sattarhoff)

Gronwald, M. (2016), “Financialization of Oil Futures Markets and Oil Futures Markets Efficiency – a Multifractal Perspective” (joint with C.Sattarhoff)

Gronwald, M. (2016), “What moves the European Carbon Market – Evidence from Jump Models”, (joint with J.Ketterer)

Edited volumes:

Emission Trading as Policy Instrument, CESifo Conference Series, MIT Press (jointly edited with B.Hintermann)

Monographs:

Gronwald, M. (2011), "Assessment of Climate Policy Measures and Instruments: Report for E.ON AG" (with J.Wackerbauer, J.Albrecht-Saavedra, J.Ketterer, J.Lippelt, J.Pfeiffer, L.Röpke, M.Zimmer), ifo Forschungsbericht 51 (in German)

Gronwald, M. (2011), "The Economic Importance of the Electricity Sector: Report for RWE AG" (with J.Albrecht, H.D.Karl, J.Pfeiffer, L.Röpke, M.Zimmer, J.Lippelt), ifo Forschungsbericht 50 (in German)

Working Papers:

Gronwald, M. (2016), "Explaining the EUR-CER Spread", CESifo Working Paper 5795 (with B.Hintermann)

Gronwald, M. (2015), "The Economics of Bitcoins - Market Characteristics and Price Jumps", CESifo Working Paper 5121; University of Aberdeen Discussion Paper in Economics No 17/15

Gronwald, M. (2013), "Explosive Oil Prices", CESifo Working Paper 4376

Gronwald, M. (2013), "Simultaneous Supplies of Dirty and Green Fuels with Capacity Constraint: Is there a Green Paradox?", CESifo Working Paper 4360; University of Aberdeen Discussion Paper in Economics No 18/15 (with N.V.Long and L.Roepke)

Gronwald, M. (2012), "What Moves the European Carbon Market – Evidence from Jump Models", CESifo Working Paper 3795 (with J.Ketterer)

Gronwald, M. (2011), "A Characterization of Oil Price Behavior – Evidence from Jump Models", CESifo Working Paper 3644

Gronwald, M. (2011), "The Dependence Structure between Carbon Emission Allowances and Financial Markets – a Copula Analysis" (with J.Ketterer and S. Trück), CESifo Working Paper 3418

Gronwald, M. (2009), "Evaluating Emission Allowances as Policy Tool - Evidence from Conditional Jump Models" (with J. Ketterer), CESifo Working Paper 268

Gronwald, M. (2009), "Jumps in Oil Prices - Evidence and Implications", ifo Working Paper 75

Gronwald, M. (2009), "Estimating the Effects of Oil Price Shocks on the Kazakh Economy" (with J.Mayr und S.Orazbayev), ifo Working Paper 81

Gronwald, M. (2009), "Investigating the U.S. Oil-Macroeconomy Nexus using Rolling Impulse Responses". CESifo Working Paper 2702

Gronwald, M. (2009), "A Convex Hull Approach to Counterfactual Analysis of Trade Openness and Growth" (with M. Funke), CESifo Working Paper 2692

Conference Presentations:

Royal Economic Society (2016, Brighton)

IAEE North American Conference (2011, Washington DC)

IAEE European Conference (2012, Venice; 2010, Vilnius; 2009, Vienna)

IAEE International Conference (2016, Bergen; 2015, Antalya; 2014, New York; 2009, San Francisco)

AERE Summer Conference (2012, Asheville; 2011, Seattle)

EAERE Annual Conference (2011, Rome)

AAEA Annual Meeting (AERE Session) (2010, Denver)

SEA Annual Meeting (AERE Session) (2015, New Orleans; 2013, Tampa; 2012, New Orleans; 2010, Atlanta)

TI/ERC Conference "Combating Climate Change – Lessons from Macroeconomics, Political, Economy and Public Finance" (2016, Amsterdam)

International Energy Workshop (2010, Stockholm)

SURED Conference (2010)

Eastern Economic Association (2011, New York)

CESifo Area Conference on Energy and Climate Economics (2016, 2012, 2010, 2009)

CESifo Area Conference on Macro, Money and International Finance (2016, 2015, 2014, 2012)

CESifo Area Conference on Applied Microeconomics (2015)

Society for Computational Economics (2016, Bordeaux; 2010, London)

Computational Management Science (2011, Neuchatel; 2009, Geneva)

Computational and Financial Econometrics (2013, London; 2012, Oviedo; 2007, Geneva)

Scottish Economic Society Annual Conference (2014, Perth)

Louis-Andre Gerard-Varet Conference on Public Economics (2013, Aix-en-Provence)

AURÖ Junior Researcher Workshop (2011, Heidelberg)

Swiss Society for Economics and Statistics (2010, Fribourg)

Conference on Energy Finance (2009, Kristiansand)

Spring Meeting of Young Economists (2009, Istanbul)

DIW Berlin Macroeconometric Workshop (2008, 2007, 2006)

Invited seminars:

Southwestern University of Finance and Economics (Brown Bag), Chengdu, Apr 19, 2016

Macquarie University Sydney, Oct 6, 2015

University College Dublin, Mar 26, 2015

University of East Anglia, Jan 29, 2015

University of Dundee, Oct 29, 2014

Norwegian School of Economics, Bergen, May 22, 2014

University of Kiel, Erich-Schneider Seminar, Jul 8, 2013

CIREQ, Montreal Natural Resources and Environmental Economics Workshop, Apr 5, 2013

University of Guelph, CME Ph.D. Speaker Series, Apr 2, 2013

University of Stavanger, Mar 20, 2013

EWI Cologne, Jan 28, 2013

University of Basel, Department of Economics, Nov 26, 2012

Environmental and Resource Economics Seminar, UC Berkeley, Feb 8, 2012

CEPE Lunch Seminar, ETH Zürich, Jun 6, 2010

NTNU Trondheim Research Seminar, Sep 28, 2009

Research Seminar “Quantitative Macroeconomics”, University of Hamburg, Oct 26, 2010;
Apr 24, 2007

Research visits:

Macquarie University Sydney, Sept 23 – Oct 10, 2015

ifo Centre for Energy, Climate, and Exhaustible Resources, Oct 15 - Oct 20, 2014

University of California, Berkeley, September 2011 - March 2012

Workshop organization:

50th work anniversary of Prof Alex Kemp (scientific workshop) 2016 (joint with X.Jin)

SIRE ACREEF Energy Economics Workshop 2015 (joint with X.Jin)

CESifo Venince Summer Institute “Emissions Trading Systems as a Climate Policy Instrument: Evaluation & Prospects” (2013, joint with B.Hintermann)

Doctoral workshops:

Joint Doctoral Workshop of the Universities of Hamburg, Tallinn and Tartu (2007, Tallinn, Käsme, 2005

Doctoral Summer School, University of Tartu, Jul 30 - Aug 2 2006

Referee:

Economic Journal, Journal of the Association of Environmental and Resource Economists, The Energy Journal, Energy Economics, Journal of Agricultural Economics, Journal of Economic Dynamics and Control, Journal of Macroeconomics, Environmental and Resource Economics, Journal of Resource and Development Economics, Empirical Economics, Journal of Economic Studies, European Journal of Political Economy, Energy Policy, European Financial Management, Journal of Environmental Studies and Sciences, Natural Resource Modelling, Economics of Energy and Environmental Policy, Climate Policy, International Journal of Climate Change Strategies and Management,

Spring Meeting of Young Economists

Research Council of Norway, Expert Assessor

External Examiner for Graduate School of Natural Resources, Law, Policy and Management, University of Dundee

PhD Supervision:

Jingzhen Liu, First Supervisor (covering Dr Klinkowska), April 2016

Metin Ilbasimis, First Supervisor, September 2016

Haidy Amer, First Supervisor, September 2014

Rohitha Abayasekara, 2nd supervisor, completed January 2016

Yuan Zhao, University of Aberdeen, Internal Examiner

Teaching Experience:

University of Aberdeen

Fall Term 2016: Quantitative Methods for Energy Economics

Spring Term 2016: Empirical Methods in Finance, Empirical Methods in Energy Economics

Fall Term 2015: Quantitative Methods for Energy Economics

Spring Term 2015: Empirical Methods in Finance, Empirical Methods in Energy Economics

Spring Term 2014: Empirical Methods in Finance

Scottish Graduate Programme in Economics

February 2016: Advanced Topics in Macroeconomics – Macroeconomics of Oil Prices

February 2015: Advanced Topics in Macroeconomics – Macroeconomics of Oil Prices

Ludwig-Maximilians-University Munich

Winter Term 2012: Seminar: Economics of the Non-Economic (with K.Pittel)

Summer Term 2011: International Issues in Environmental Economics

Summer Term 2010: Seminar “Theoretical and Empirical Studies on Resource Economics and Energy Markets” (with S.Übelmesser and M.Zimmer), Political Economics (English, with S.Übelmesser)

Summer Term 2009: Growth and Natural Resources (with M. Larch)

University of Hamburg:

Feb 2008: Introduction to EViews, Basic Quantitative Methods in Law and Economics (English, with Prof. Michael Funke)

Winter Term 2007/2008: Seminar on the Political Economy of Terrorism (with Prof. Michael Funke)

Summer Term 2007: Seminar on the Annual Report of the German Council of Economic Experts (Sachverständigenrat zur Begutachtung der gesamtwirtschaftlichen Entwicklung) (with Prof. Michael Funke)

Feb 2007: Introduction to EViews, Basic Quantitative Methods in Law and Economics (English, with Prof. Michael Funke)

Winter Term 2006/2007: Seminar on Applied Econometrics (with Prof. Michael Funke)

Summer Term 2006: Seminar on the Political Economy of Terrorism (with Prof. Michael Funke)

Feb 2006: Introduction to EViews, Basic Quantitative Methods in Law and Economics (English, with Prof. Michael Funke)

Winter Term 2005/2006: Introductory Econometrics (Tutorial)

Summer Term 2005: Introduction to Macroeconomics (Tutorial)

Short courses – summer schools – guest lectures

University of Cologne (on invitation by Prof. Armon Rezai)

Southwestern University of Finance and Economics (on invitation by Prof. Jing Jing Ye)

University of Bielefeld (as Student Assistant):

Summer Term 2004: Inference Statistics (Tutorial, with Prof. Göran Kauermann)

Winter Term 2003/2004: Descriptive Statistics (Tutorial, with Prof. Göran Kauermann)

Summer 2002: Inference Statistics (Tutorial, with Dr. Hans-Peter Wolf)

Winter Term 2001/2002: Descriptive Statistics (Tutorial, with Dr. Hans-Peter Wolf)

Education and Career Path:

Nov 2004 – Jun 2008 PhD in Economics, Department of Economics, University of Hamburg, Doctoral Thesis: “The Macroeconomics of the Oil Price: Evidence from Modern Statistical Methods”, Supervisor: Prof. Michael Funke, Prof. Thomas Straubhaar

Apr 1999 - Oct 2004 Diploma in Economics, Department of Economics, University of Bielefeld, overall grade “sehr gut” (best achievable grade, “excellent”), Diploma Thesis: “Bivariate Time Series Analysis in the Frequency Domain and Cointegration: an illustrative Introduction using simulated Time Series”

Sep 2002 - Jun 2003 Student Research Assistant, Department of Economics, University of Bielefeld, Project on the Possibilities and Limits of Internet-based Statistical Services

Feb 1997 - Mar 1999 Sparkasse Herford

Aug 1995 - Jan 1997 Sparkasse Herford, Apprenticeship

Jul 1994 - Jul 1995 Alternative Service (Zivildienst), Kliniken am Burggraben, Bad Salzungen

Aug 1992 - Jun 1994 Secondary School (Abitur), Städtisches Gymnasium am Schulzentrum Aspe, Bad Salzungen

Languages:

German (native), English (fluent)

IT-Skills:

R, EViews, LaTeX (excellent), RATS, GAUSS (advanced), STATA, SPSS (basic)