

A wide-angle photograph of a winter landscape. The foreground is a snow-covered field with some tracks. In the middle ground, there are several bare, dark trees. In the background, there are snow-covered hills under a blue sky with some clouds. The overall scene is bright and clear.

CERE

2014

4
book chapters
6
books
22
seminars

25
reports
37
journal articles
576
unique visitors on web each month

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Research Directors Welcome

CERE is now on its sixth year, officially starting out in November 2009. Activities within the centre increase annually and we now believe that it is getting known as can be witnessed by the on average 576 visitors to the cere.se page every month. We have added a number of new students to the Centre and newborns as well, congratulations to Katarina Östberg and Lars Persson! A number of students have also received their PhDs and moved on to other activities; Eric Brockwell, Erik Geijer, Catia Cialani and Shi Lei. Best of luck to them in their future careers! The Ulvön Conference on Environmental Economics celebrated its 21th edition and, as always, we had a productive meeting at Ammarnäs for the 5th time.

One of the main purposes of CERE is to create a lively intellectual environment, through the inflow and outflow! of researchers. The seminar program has been particularly lively, and we are grateful for the financial support given by Handelsbankernas forskningsstiftelser. Professor Christopher Boehringer has been a guest-professor at CERE. In addition, our PhD-courses have attracted a lot of demand from foreign students and most of the courses have been overbooked.

CERE now comprises about 30 researchers and this means that we have a platform that is competitive at least at the European level. CERE's main focal point is to build significant competence in the area of energy economics. We think this will pay off in the future, now that the energy issues are becoming ever more important. And as a confirmation of that: we had a visit from the Minister of Energy in November.

The CERE board and the CERE advisory board are instrumental in shaping our center into an even stronger research unit, and I am very grateful for their support and strong commitment.

Finally: 2015 promises to be an active year and Emile Coué, who figures prominently every year at the inauguration of the Ulvön meeting, optimistically tells us that *Tous les jours à tous points de vue je vais de mieux en mieux*. A phrase that guides our activities here at CERE and, indeed, it gets better every year; 2015 will be no exception to that rule.

Bengt Kriström



New Doctors 2014

From left to right:
Dr Lei Shi,
Professor Mattias
Boman (opponent),
Dr Catia Cialani,
Dr Erik Brockwell,
Dr Erik Geijer and
Professor Peter Berck
(opponent)



photos: Mona Bonta Bergman

About CERE

Umeå Campus has for decades been one of the national and international nodes for research and education in environmental and natural resource economics, mainly revolving around two academic departments that have worked in close cooperation with each other, the Department of Forest Economics at the Swedish University of Agricultural Sciences (SLU), and the Department of Economics, Umeå School of Business and Economics (USBE), at Umeå University (UmU). After many years of consideration, it was finally decided in 2009, to further strengthen this collaboration by joining these two separate, but interlinked, research groups in resource and environmental economics by creating a research centre.

The main objectives of CERE are to:

Link research groups from different departments and the two universities

Provide seminars and workshops within the field of environmental and resource economics and management

Establish a platform for a creative and strong research environment within the field

Develop higher education in environmental and resource economics

The creation of CERE, the Centre for Environmental and Resource Economics, was achieved by pooling researchers from the two above mentioned departments, along with economic historians who have focused their research on the historical aspects of resource usage and environmental impacts, from the Department of Geography and Economic History,

UmU. Together, the researchers at CERE embrace research areas as diverse as non-market valuation, climate policy, forest economics, environmental and energy efficiency analysis, and historical analysis of sustainable development, to mention a few examples of recent research.

Physically located in the Social Sciences Building at UmU, CERE is headed by its two founders: research director Professor Bengt Kriström, who is also head of the Department of Forest Economics, SLU Umeå, and deputy research director Professor Runar Brännlund, USBE, Umeå University. The scientific secretary is Professor Tommy Lundgren, employed both at Department of Forest Economics, SLU Umeå, and USBE, Umeå University. At the end of 2014 CERE consisted of; 6 professors, 4 guest professors, 2 associate professors, 10 assistant professors or post-docs, 17 graduate students, and one communication officer – in total 40 persons. About 30 % of the CERE personnel are employed by SLU, the remainder being employed at UmU.

Important external funding sources for CERE have been Elforsk - Swedish Electrical Utilities' R&D Company, the Swedish Environmental Protection Agency, the Swedish Energy Agency, Formas - The Swedish Research Council for Environment, Agricultural Sciences and Spatial Planning, and Mistra – The Swedish Foundation for Strategic Environmental Research. Recruitment of post-doc's, and CERE's guest researcher program, has been generously funded by Handelsbanken Research Foundations.

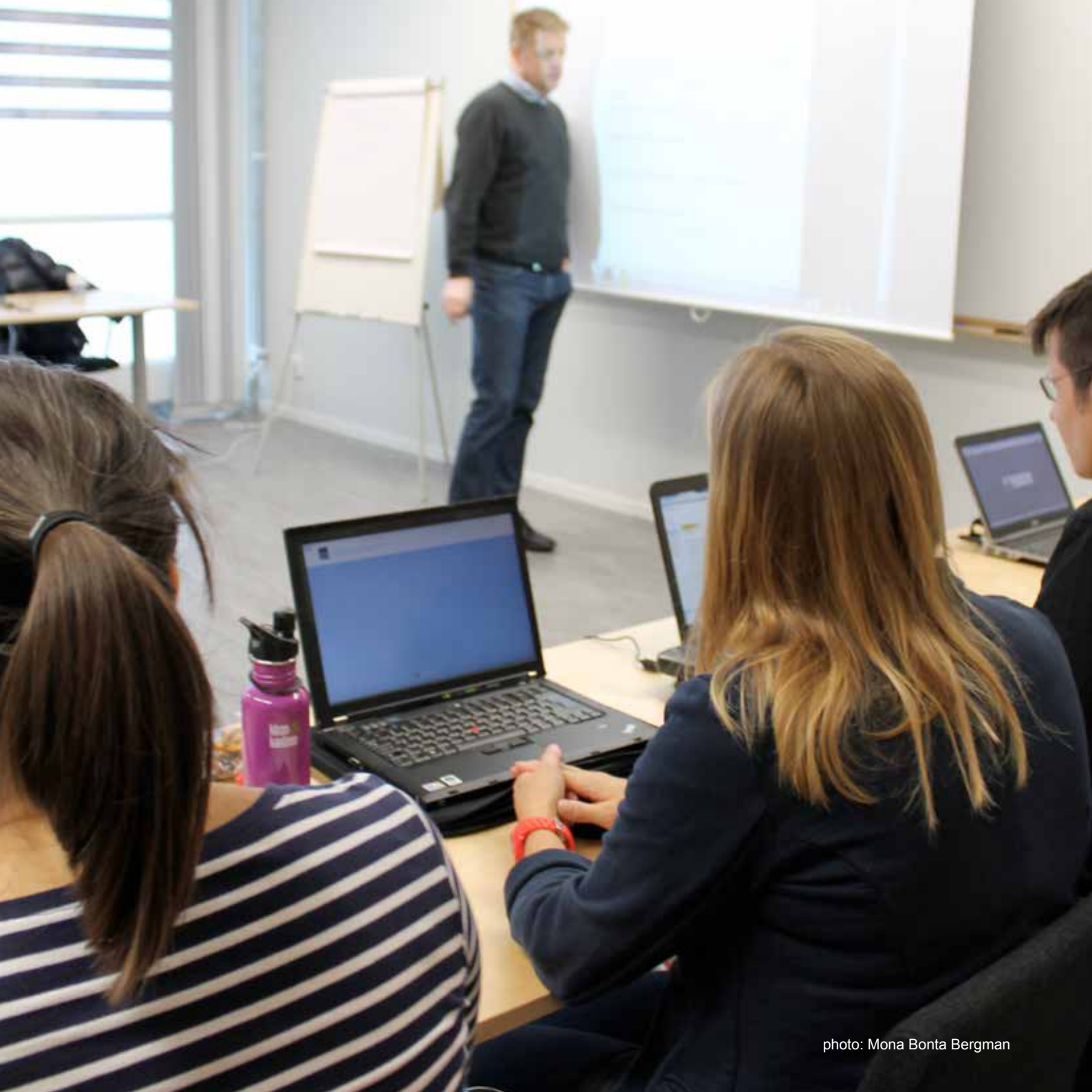


photo: Mona Bonta Bergman

Meetings

CERE organises two meetings each year in accordance with the CERE main objectives. That is, to link research groups, provide seminars and workshops within the field, constitute a platform for a creative and strong research environment, and develop higher education.

The Ulvön Conference

An open international conference on Environmental Economics, always held adjacent to the Swedish midsummer celebration in June. The key purpose of the yearly conference is to allow PhD students to present their work and to create a forum for research in environmental economics. The conference is always held at Ulvön, a small, old fishing hamlet located at the Swedish east-coast, about 40 km south of Örnköldsvik. The island has about 40 around the year residents, but is a popular travel destination for tourists during the summer.

20 of 30 participants presented their research at the 2014 meeting. Keynote speakers this year were Professor Karl-Göran Mäler, The Beijer Institute for Ecological Economics, Stockholm and Eirik Romstad, Norwegian University of Life Sciences. Professor Mäler gave a very inspiring talk about environmental accounting, an area where he is one of the leading experts in the world. Eirik Romstad talked, in his keynote, about eco-system services, in particular how to create mechanisms for payment of eco-system services. CERE is grateful for their participation and contribution to the conference. We are also grateful to Jesper Stage at the Mid Sweden University for arranging special sessions about the Economic and environmental aspects of hydropower.

Another conference tradition, that was upheld also this year, is the tasting of the Swedish delicacy of fermented herring, which was well appreciated by some, whilst others are not likely to try it again. We look forward to the 2015 meeting.

The Ammarnäs Winter Workshop

For the fifth consecutive year, CERE held its internal winter meeting in the alpine scenery of the small village of Ammarnäs, situated in the Swedish mountains. The 2014 meeting was an internal meeting where our PhD students and newly hired researchers and Posdoc's was given the opportunity to present their research. It was a very productive meeting with a lot of work, but also some time for winter activities, such as skiing and snowmobiling.

As usual, the meeting was held at Vindelfjällens Research Station. Apart from being located at a nice spot, the research station provides an opportunity for researchers from various disciplines to gather and thereby create a creative meeting place. The long term aim with our meeting here is to build a knowledge centre for people interested in the relationship among environmentally related issues and developments in society.

The weather was perfect for outdoor activities such as snowmobile riding, downhill and cross-country skiing. Not the least the latter is a favourite of the CERE staff that are somewhat unused to winter sport activities.



photo: Mona Bonta Bergman



photo: Tommy Lundgren

Selection of Ongoing Projects

A CGE Model for Climate and Energy Policy

Analysis (Energimyndigheten, 2014-2015)

A computable general equilibrium (CGE) model is an important tool to analyze not just the part of the economy but to gain insight on economy-wide repercussions of policy questions. Currently, CERE has developed a multi-sectorial, multi-regional CGE model with the possibility to link a technologically detailed electricity sector for a single country. The modeling framework is constructed in such a way that several important policy questions related to climate and energy can be analyzed simultaneously. One of the aims of the project is to investigate on how the cost of nuclear phase out in Sweden is affected through its climate and energy policy objectives, i.e. CO2 emission reduction targets, quotas on renewable energy in electricity production and energy efficiency standards.

A green Industrial Transition? The Case of the Swedish Pulp- and paper Industry 1960-1990

(Riksbankens Jubileumsfond 2011-2014)

This project explores the green reconstruction of the Swedish pulp and paper industry, focusing on the interplay between regulatory pressure, technological development and structural change from the 1960s to the 1990s. Increasing demands for pollution control, caused by a new modern environmental regulation implemented in 1969, coincide with a need for structural changes due to increased international competition, but also a need the phase out oil in the production processes in the wake of the oil crises in the 1970s. In short, our project aims at enhancing the empirical and theoretical understanding of how societies demands for environmental protection interplayed with technological and structural changes within

this sector during the late the 20th century and essentially how “green” technology development has been accomplished. Main results from the projects points to the importance of coordinating capacity between firms in “green” R&D.

African Adaptation Gap (UNEP 2013-2014)

Climate change will have impacts across the globe, but the African continent is expected to be hit the hardest. Given that Africa has contributed very little to global cumulative Greenhouse Gas emissions, this is exceptionally concerning. Partly to help inform the African delegation to the United Nations Framework Convention Climate Change (UNFCCC) Conference of Parties' (COP) international mitigation negotiations, the United Nations Environmental Program (UNEP) set up a project to investigate the climate change consequences for Africa in terms of adaptation costs and damages.

This ongoing project has focused on discussing and estimating the resulting adaptation costs and impacts for Africa from the so-called emissions gap. The emissions gap refers to the gap between the UNFCCC COP goals and the current pledges made by the nations of the COP. This project has resulted in several reports and has initiated a new project together with the African Development Bank to create a more detailed picture of climate change impacts and adaptation costs across different African countries. This project involves several international partners, where CEREs expertise has been in provided long terms projections using an Integrated Assessment Model (AD-RICE).



photo: Mona Bonta Bergman

A CERÉ Working Paper

An electricity market in transition. Is consumer flexibility for sale, or even for real?

Smart meters and a more effective pricing of electricity have been highlighted as important reforms in order to empower electricity consumers and increase demand side flexibility. There are great expectations that electricity customers will assimilate relevant information and react to it. In this report we have tried to approach the question of what we reasonable can expect from future electricity customers when it comes to adapting their behaviour in alliance with the real-time price on the wholesale market for electricity.

The overarching aim of the present report is to contribute with further knowledge about consumer behaviour on the electricity market while also studying the possibilities and incentives for changing current consumption patterns. Specifically, the aim is to elucidate and analyse, qualitatively as well as quantitatively, demand side flexibility. In addition we ask what is required to make individual consumers to systematically alter their patterns of consumption in alliance with the current availability of power signalled in the real-time market price on electricity.

The approach taken in the quantitative analysis is a stated preference approach; more specifically a “choice experiment” is applied. This approach is based on the assumption that people choose the most preferred option when faced with a number of hypothetical alternatives. Before addressing the question of how flexible Swedish households are when it comes to changing their energy consumption, we first in a more descriptive

fashion analyse current consumptions patterns, and its underlying factors. First we present and discuss some descriptive statistics of Swedish households’ electricity consumption – on a daily, weekly and annual basis. Then we evaluate the size of potential cost savings that the median household can experience from rescheduling its electricity consumption. This is done using detailed consumption data at the household and appliance level.

In summary, three overall conclusions may be drawn from the analysis. First, economic incentives for individual households to reschedule their electricity consumption over the course of the day are small. Second, the compensation an average household would need in order to systematically reschedule its electricity use is considerably higher than today’s incentives. And third, the ‘price’ of demand flexibility depends on when, how and what household we are talking about.

The report was presented to the Minister of Energy; Ibrahim Baylan on November 25th.

CERÉ WP #2014-13 &
Swedish Energy Markets Inspectorate
En elmarknad i förändring
- Är kundernas flexibilitet till salu eller ens verklig?

Thomas Broberg, Runar Brännlund,
Andrius Kazukauskas, Lars Persson,
& Mattias Vesterberg



photo: Mattias Pettersson

Personnel and Visitors

Professors

Runar Brännlund
Peichen Gong
Bengt Kriström
Magnus Lindmark
Tommy Lundgren
Karl-Gustaf Löfgren

Associate Professors

Ann-Kristin Bergquist
Göran Bostedt

Assistant Professors

Maria Arvaniti
Kelly de Bruin
Örjan Furtenback
Jurate Jaraite
Santosh Joshi
Amin Karimu
Andrius Kazukauskas
Chandra Kiran B Krishnamurthy
Per-Olov Marklund
Lars Persson

Graduate Students

Golnaz Amjadi
Philip Kofi Adom
Oben Kurtulus Bayrak
Erik Brockwell
Catia Cialani
Alejandro Egúez
Mathilda Eriksson
Erik Geijer
Juan Salvador Inda Diaz
Shi Lei
Mikael Levin
Mattia Luigi Rattia

Tharshini Thangavelu
Anders Vesterberg
Mattias Vesterberg
Shanshan Zhang
Katarina Östberg

Communication

Mona Bonta Bergman

CERE associates

Professor Chris Böhringer
Professor Shawna Grosskopf
Doctor Martin Hill
Professor Per-Olov Johansson
Assistant Professor Anton Paulrud
Assistant Professor Andrew L Zaeske

CERE visitors

Associate Professor Henrik Andersson
Toulouse University, April 2014
Professor Jorge Araña
TIDES, Las Palmas, Gran Canaria, May 2014
Assistant Professor Moriah Bostian
Lewis and Clark College/Abo Akademi, October 2014
Professor Chris Böhringer
University of Oldenburg, February 2014
Professor Rolf Färe
Oregon State University, May 2014
Professor Finn Försund
Oslo University, October 2014
Professor Shawna Grosskopf
Oregon State University, May 2014
Assistant Professor Derek Lemoine
University of Arizona, June 2014
Associate Professor Chu Wei
Renmin University, May 2014

Publications and Activities 2013-2014

Professors

Runar Brännlund

Journal articles

Brännlund, R., Lundgren, T. and Marklund, P-O. (2014) Carbon Intensity in Production and the Effects of Climate Policy—Evidence from Swedish Industry. *Energy Policy* 67, 844-857

Geijer, E., Andersson, J., Bostedt, G., Brännlund, R. and Hjältén, J. (2014) Safeguarding Species Richness vs. Increasing the use of Renewable Energy—The Effect of Stump Harvesting on two Environmental Goals. *Journal of Forest Economics* 20 (2), 111-125

Karimu, A. and Brännlund, R. (2013) Functional Form and Aggregate Energy Demand Elasticities: A Nonparametric Panel Approach for 17 OECD Countries. *Energy Economics* 36, 19-27

Mahieu, P-A., Riera, P., Kriström, B., Brännlund, R. and Giergiczny, M. (2014) Exploring the Determinants of Uncertainty in Contingent Valuation Surveys. *Journal of Environmental Economics and Policy* 3 (2), 186-200

Mannberg, A., Jansson, J., Pettersson, T., Brännlund, R. and Lindgren, U. (2014) Do Tax Incentives Affect Households' Adoption of 'Green' Cars?: A Panel Study of the Stockholm Congestion Tax. *Energy Policy* 74, 286-299

Book chapters

Bostedt, G., Brännlund, R. and Geijer, E. (2014) Spridningseffekter och målkonflikter. In: Kriström, B. and Bonta Bergman, M. (Eds.) *Samhällsekonomiska analyser av miljöprojekt: en vägledning* 261-270, Stockholm: Swedish Environmental Protection Agency (Report No. 6628)

Brännlund, R. (2013). Mer vägar och mindre järnvägar? I *Investeringar in blanco. Rapport till Expertgruppen för studier i offentlig ekonomi*, 2013:5

Reports

Broberg, T., Brännlund, R., Kazukauskas, A., Persson, L. and Vesterberg, M. (2014) *En elmarknad i förändring - Är kundernas flexibilitet till salu eller ens verklig?* Swedish Energy Market Inspectorate, Sweden

Brännlund, R. (2013) *The Effects on Energy Saving from Taxes on Motor Fuels: The Swedish case*. Working Paper 2013:6, Centre for Environmental and Resource Economics, Umeå, Sweden

Brännlund, R. and Karimu, A. (2014) *Convergence in Global Environmental Performance: Assessing Heterogeneity*. Working Paper 2014:15, Centre for Environmental and Resource Economics, Umeå, Sweden

Brännlund, R., Karimu, A. and Söderholm, P. (2014) *Convergence in Carbon Dioxide Emissions and the Role of Growth and Institutions A Parametric and Nonparametric Analysis*. Working Paper 2014:12, Centre for Environmental and Resource Economics, Umeå, Sweden

Brännlund, R., Lundgren, T. and Söderholm, P. (2014) *Convergence of Carbon Dioxide Performance Across Swedish Industrial Sectors An Environmental Index Approach*. Working Paper 2014:10, Centre for Environmental and Resource Economics, Umeå, Sweden

Newspaper articles

10 förutsättningar för en klimatsmart politik. (October 23, 2014) *Svenska Dagbladet*, Opinion

Gör inte klimatpolitiken svårare än den behöver vara. (October 28, 2014) *Svenska Dagbladet*, Opinion

Att ha flera mål fördyrar klimatpolitiken. (January 13, 2014) *Dagens Nyheter*, Debatt

Miljöstödet till jordbruket ger bara små effekter, (December 10, 2014) *Dagens Nyheter*, Debatt

Conferences

4th *Ammarnäs Meeting on Environmental Economics*, Organizer, 2013

5th *Ammarnäs Meeting on Environmental Economics*, Organizer, 2014

20th *Ulvön Conference on Environmental Economics*, Organizer, 2013

21st *Ulvön Conference on Environmental Economics*, Organizer, 2014

Invited speaker at Bil Swedens *Climate seminar*. Almedalen, July 2013

Invited speaker at Elforsk annual seminar, *Framtida energitmaningar för Sverige*, 2013

Invited speaker at the seminar about residential policy, arranged by the Ministry of Health and Social Affairs, Almedalen, July 2013

External activities

Board member of the Swedish Research Council FORMAS Scientific Council, 2010-

Board member of Trafikverket (Swedish Transport Administration), 2010-

Chairman for the Scientific Council in Environmental Economics at the National Institute for Economic Research, (Konjunkturinstitutets Vetenskapliga Råd i Miljöekonomi) 2012-

Co-editor: *The Encyclopedia of Environmental and Resource Economics*, Elsevier. 2010-

Editor in chief: *Journal of Forest Economics*, Elsevier. 2011-

Elected member of the Royal Swedish Academy of Engineering, 2009-

Elected member of the The Royal Skyttean Society (Kungliga Skytteanska Samfundet), 2011-

Expert to the OECD project on Cost of Inaction and Resource Scarcity: Consequences for Long-term Economic Growth (CIRCLE), 2013-

Expert to the Swedish National Audit Office (Riksrevisionen) 2012, 2013

Member of the Swedish Energy Agency Strategic development platform (UP-industri), 2013-

Reviewer for the Norwegian Research Council, 2013

Research stays' abroad

Invited lecturer, TIDES, ULPGC, Spain, November 2013

Guest researcher, TIDES, ULPGC, Spain, November 2013

Peichen Gong

Journal articles

Gong, P., Löfgren, K.G. and Rosvall, O. (2013) Economic Evaluation of Biotechnological Progress: The Effect of Changing Management Behavior. *Natural Resource Modeling* 26 (1), 26-52

Hedwall, P-O., Gong, P., Ingerslev, M. and Bergh, J. (2014) Fertilization in Northern Forests – Biological, Economic and Environmental Constraints and Possibilities. *Scandinavian Journal of Forest Research* 29, 301-311

Jiang, X., Gong, P., Bostedt, G. and Xu, J. (2014) Impacts of Policy Measures on the Development of State-owned Forests in Northeast China: Theoretical Results and Empirical Evidence. *Environment and Development Economics* 19 (1), 74–91

Skonhoft, A. and Gong, P. (2014) Wild Salmon Fishing: Harvesting the Old or Young? *Resource and Energy Economics* 36, 417–435

Xie, Y., Gong, P., Han, X. and Wen, Y. (2014) The Effect of Collective Forestland Tenure Reform in China: Does Land Parcelization Reduce Forest Management Intensity? *Journal of Forest Economics* 20, 126–140

Book

Roos, A., Lönnstedt, L., Nord, T. and Gong, P. (2014) *Proceedings of the Biennial Meeting of the Scandinavian Society of Forest Economics*. Uppsala: Scandinavian Forest Economics No. 45.

Book chapters

Löfgren, K.G. and Gong, P. (2013) Economic Modeling in Forestry: Avoiding the Lucas Critique. In: Kant S. (Ed.). *Post-Faustmann Forest Resource Economics*, 241-258, Springer

Löfgren, K.G. and Gong, P. (2013) Forest Taxation, In: Shogren, J. (Ed.) *Encyclopedia of Energy, Natural Resource and Environmental Economics*, 176-182, London: Elsevier

Conference

Biennial Meeting of the Scandinavian Society of Forest Economics, May 21-24, 2014, Uppsala, Sweden

External activity

Editor in chief: *Journal of Forest Economics*, Elsevier. 2010-

Research stays' abroad

Beijing Forestry University, South China Agricultural University, April 2014

South China Agricultural University, May 2013

Bengt Kriström

Journal article

Mahieu, P-A., Riera, P., Kriström, B., Brännlund, R. and Giergiczny, M. (2014) Exploring the Determinants of Uncertainty in Contingent Valuation Surveys. *Journal of Environmental Economics and Policy* 3 (2), 186-200

Kriström, B. (2014) Recension av Hanneson, R. Ecofundamentalism. *Ekonomisk Debatt* 42 (7), 75-77

Book

Johansson, P.-O. and Kriström, B. (2013) *Evaluating Water Projects: Cost-Benefit Analysis Versus Win-Win Approach*. Berlin: Springer Verlag

Book chapters

Belyaev, Y. and Kriström, B. (2013) Analysis of Contingent Valuation Data with Self-selected Rounded WTP-Intervals Collected by two-steps sampling plans. In Köllu, (Ed.) *Multivariate Statistics: Theory and Applications*. IWorldScientific

Heal, G. and Kriström, B. (2014) Environmental Policy and Distribution. In Dietz, S., Neumayer E. and Atkinson, G. (Eds) *Handbook of Sustainable Development*, 2ed. Amsterdam: North-Holland

Kriström, B. (2014) Household Behaviour and Energy Use. In *Greening Household Behavior: Overview from the 2011 Survey - Revised edition*, OECD Studies on Environmental Policy and Household Behaviour, OECD Publishing. ISBN 978-92-64-21464-4

Kriström, B. and Krishnamurthy, C. K. (2013) Greening Household Behavior: Analysis of and Policy Implications of the 2011 Survey: Energy. In *Greening Household Behavior: Main Results from the 2011 Survey and Policy Implications. Thematic Reports: Energy, Transport, Water, Food and Waste*. Paris: OECD

Kriström, B. Särskilt yttrande, Fossilfrihet på väg, *SOU 2013:84*, Stockholm: Näringsdepartementet

Reports

Krishnamurthy, C. K. and Kriström, B. (2013) *Determinants of the Price-premium for Green Energy: Evidence from an OECD Cross Section*. Working Paper 2013:7, Centre for Environmental and Resource Economics, Umeå, Sweden

Krishnamurthy, C. K. and Kriström, B. (2013) *Energy Demand and Income Elasticity: A Cross-country Analysis*. Working Paper 2013:5, Centre for Environmental and Resource Economics, Umeå, Sweden

Kriström, B. and Bonta-Bergman, M (Eds.) (2014) *Samhällsekonomiska analyser av miljöprojekt - en vägledning*. Report No. 6628, Stockholm: Swedish Environmental Protection Agency

Kriström, B and Krishnamurthy, C.K.B. (2014) *Greening Household Behavior and Energy*. No. 78, OECD Environment Working Paper, Paris, France

Krishnamurthy, C. K and Kriström, B (2013) *How large is the Owner-renter Divide? Evidence from an OECD Cross-section*. Working Paper 2013:8, Centre for Environmental and Resource Economics, Umeå, Sweden

Modéer, C. Fagerström, T., Kriström, B. and Borgegård, Y. (2013) *Granskning av stiftelsen för internationella institutet för industriell miljöekonomi i Lund (siiiee)*. Granskningsrapport, The Royal Swedish Academy of Sciences and The Royal Swedish Academy of Engineering Science, Stockholm

Newspaper article

Kriström, B. Koldioxidsskatt bättre än utsläppsmoratorium. (May 12, 2014) *Dagens Nyheter*, Debatt

Conferences

4th *Ammarnäs Meeting on Environmental Economics*, Organizer, 2013

5th *Ammarnäs Meeting on Environmental Economics*, Organizer, 2014

20th *Ulvön Conference on Environmental Economics*, Organizer, 2013

21st *Ulvön Conference on Environmental Economics*, Organizer, 2014

Chair, Speaker, The new context for forest investments and their environmental benefits, *OEF Microeconomics Workshop*. Nancy, 23 September, 2013

Invited speaker, *Skogens värden*, Ministry of Enterprise, Stockholm, 3 December 2014

Keynote speaker, Modern Cost-benefit analysis, *3rd International Conference: Environment and Natural Resources Management in Developing and Transition Economies*, Clermont Ferrand, France, 08-10 October 2014

Keynote speaker, Using modern cost-benefit analysis to study environmental/energy trade-offs, *World Water Week*, Stockholm, August 31-September 5, 2014

Keynote speaker, *Workshop on Non-market Valuation*. Nantes, 24-25th June, 2013

Panel member, Valuation, economics and finance trade-offs, *World Water Week*, Stockholm, August 31-September 5, 2014

Panel member, *Vattenåret 2015*, Enveco, Stockholm, 30 september 2014

Speaker, Från trade-offs till win-win: Ekologisk kompensation på energiområdet. *Enveco konferens*, May 23, 2013

Speaker, Hushållens energiefterfrågan. *Energimyndigheten*, Eskilstuna, 15 Oktober, 2013

Welcome address, *3rd IASC meeting, From Generation to Generation: the use of commons in a changing society*, SLU-Umeå, 16-19 September 2014

External activities

Board Member, ENTWINED Research Program, 2007-2013

Board Member, Faculty Recruiting and Hiring Search Committee, SLU, 2013-2016

Board Member, Scientific Council Transport Analysis, Stockholm

Board Member, The Swedish National Road and Transport Research Institute

Board Member, Vindelfjällens forskningsällskap

Elected Working Member, The Royal Skyttean Society, 2013-

Elected Member, Swedish Society for Energy Economists 2013-

Head, Department of Forest Economics 2001-2009, 2010-

Director, CERE 2009-

Elected Boardmember, Delegation for Financial Matters, Swedish Radiation Authority 2011-

Elected Member of The Royal Swedish Academy of Agriculture and Forestry, 2011 -

Expert, Commission on Fossil-free vehicles, 2012-

Expert, Scientific Council of Trafikanalys, 2011-

Member, Evaluation Panel of the IIEEE, The Royal Swedish Academy of Sciences 2012-2013

Research stays' abroad

Arizona State University, August 2013

Invited Lecturer, TIDES, Universidad de Las Palmas de Gran Canaria, December 2013

University of Arizona, August 2013

Universidad de Las Palmas de Gran Canaria, November 2014

Magnus Lindmark

Journal articles

Andersson, L F., Lindmark, M., Adams, M and Upreti, V. (2013) The Determinants of Investment Returns in the Fire Insurance Industry: The case of Sweden 1903-1939, *Financial History Review* 20 (1), 73-89

Bergquist, A-K., Söderholm, K., Kinneryd, H., Lindmark, M. and Söderholm, P. (2013) Command-and-Control Revisited: Environmental Compliance and Technological Change in Swedish Industry 1970-1990. *Ecological Economics* 85, 6-19

Adams, M., Andersson, L F., Hartwick, P. and Lindmark, M. (2014) Firm Size and Growth in Sweden's Life Insurance Market between 1855 and 1947. A Test of Gibrat's Law. *Business History* 56 (6), 956-974

Lindmark, M. and Acar, S. (2013) Sustainability in the Making? A Historical Estimate of Swedish Sustainable and Unsustainable Development 1850-2000. *Ecological Economics* 86, 176-187

Lindmark, M. and Acar, S. (2014) The Environmental Kuznets Curve and the Pasteur Effect: Environmental Costs in Sweden 1850-2000. *European Review of Economic History* 18 (3), 306-323

Book chapter

Lindmark, M. (2013) Strypa tillväxten bästa lösningen? In: Kander, A and Jiborn, M (Ed.) *Generationsmålet: kontroverser kring klimat och konsumtion*. 78-91, Dialogos förlag

Reports

Lindmark, M. and Andersson, L F. (2014) *Where was the wealth of the Nation? Measuring Swedish Capital for the 19th and 20th Centuries*. Working Paper 2014:1, Centre for Environmental and Resource Economics, Umeå, Sweden

Lindmark, M., Svanlund, J. and Olsson-Spjut, F. (2013) *Strukturförändringar under finanskrisen – en kartläggning*, Tillväxtanalys, Working Paper 2013:7

External activity

Consulting activities for Wallenbergstiftelserna, and Stockholm School of Economics, 2014

Member of the Research Council beredningsgrupp HS-B, 2007, 2011-2013

Member of book committee for Gjensidiges Historie, BI, Oslo, 2011 - 2014

Two consulting activities for Tillväxtanalys, 2013

Research visit

Lund, April 2013

Tommy Lundgren

Journal articles

Brännlund, R., Lundgren, T. and Marklund, P-O. (2014) Carbon Intensity in Production and the Effects of Climate Policy – Evidence from Swedish Industry. *Energy Policy* 67, 844-857

Färe, R., Grosskopf, S., Lundgren, T., Marklund, P-O. and Zhou, W. (2014) Pollution Generating Technologies and Environmental Efficiency. *Journal of Chinese Economics and Business Studies* 12 (3), 233-251

Jaraite, J., Kazukauskas, A. and Lundgren, T. (2014) The Effects of Climate Policy on Environmental Expenditure and Investments: Evidence from Sweden. *Journal of Environmental Economics and Policy* 3 (2), 148-166

Lundgren, T., and Marklund, P-O. (2013) Assessing the Welfare Effects of Promoting Biomass Growth and the use of Bioenergy. *Climate Change Economics* 4(1), 1-13

Lundgren, T. and Marklund, P-O. (Published online June 12, 2014) Climate Policy, Environmental Performance, and Profits. *Journal of Productivity Analysis*, DOI 10.1007/s11123-014-0396-9

Book

Lundgren, T., Stage, J., Tangerås, T. and Carlén, B. (2013) *Energimarknaden, ägandet och klimatet* (The energy market, ownership, and the climate). Stockholm: SNS Förlag

Book chapter

Lundgren, T. and Marklund, P-O. (2013) Economics of Biofuel: An overview. In: Shogren, J. (Ed.) *Encyclopedia of Energy, Natural Resource and Environmental Economics* 1, 184-187, London: Elsevier

Reports

Brännlund, R., Lundgren, T. and Söderholm, P. (2014) *Convergence of Carbon Dioxide Performance Across Swedish Industrial Sectors An Environmental Index Approach*. Working Paper 2014:10, Centre for Environmental and Resource Economics, Umeå, Sweden

Färe, R., Grosskopf, S., Lundgren, T., Marklund, P-O., Zhou, W. (2013) *Which Bad is Worst? An Application of Leif Johansen's Capacity Model*, Working Paper 2013:2, Centre for Environmental and Resource Economics, Umeå, Sweden

Lundgren, T., Marklund, P-O., Samakovlis, E., Zhou, W. (2013) *Carbon Prices and Incentives for Technological Development*. Working Paper 2013:4, Centre for Environmental and Resource Economics, Umeå, Sweden

Lundgren, T., Marklund, P-O. and Zhang, S. (2014) *Energy Efficiency in Swedish Industry A Stochastic Frontier Approach*. Working Paper 2014:9, Centre for Environmental and Resource Economics, Umeå, Sweden

Newspaper articles

Lundgren, T. Sustainable Sweden - how Swedish business responds to climate policies. (December 2014) project summary in *Insight Publishing Magazine*

Lundgren, T., Carlén, B. and Stage, J. Kommunala klimatsatsningar riskerar bli slag i luften. (August 28th 2013) *Göteborgsposten*

Conference

21st *Ulvön Conference on Environmental Economics*, 2014

APPC Brisbane July 2014

EWEPA Productivity Meeting Helsinki, June 2013

IAEE meeting Beijing September 2014

The 20th Annual Conference of the European Association of Environmental and Resource Economists (EAERE), Toulouse, France, on June 26-29, 2013

External activities

Discussant at pre-dissertation seminar Hans Nylund, Luleå Technical University, June 2013 "Four essays on the Nordic electricity market"

Final seminar discussant Haishan Yu, Uppsala University, March 2014

"The impacts on industrial firms of a kilometer tax". Presentation at the Norwegian Institute of Transport Economics, October 4, 2014

Research stay abroad

Visiting researcher at the Department of Agricultural and Resource Economics, UC Berkeley, CA 94 720, USA, 2012/11/01-2013/01/01
Local host: Professor Peter Berck

Karl-Gustaf Löfgren

Journal articles

Gong, P., Löfgren, K.G. and Rosvall, O. (2013) Economic Evaluation of Biotechnological Progress: The Effect of Changing Management Behavior. *Natural Resource Modeling* 26 (1), 26-52

Li, C-Z. and Löfgren, K-G. (2014) The Water and Diamond Paradox and Green NNP. *Environmental Economics* 2, 48-54

Li, C-Z. and Löfgren, K-G. (2013) Genuine Savings Measurement under Uncertainty and its Implications for Depletable Resource Management, *Environmental Economics* 4 (3), 20-25

Book chapters

Löfgren, K.G. and Gong, P. (2013) Economic Modeling in Forestry: Avoiding the Lucas Critique. In: Kant S. (Ed.). *Post-Faustmann Forest Resource Economics*. 241-258. Springer

Löfgren, K.G. and Gong, P. (2013) Forest taxation, In Ed. J. Shogren., *Encyclopedia of Energy, Natural Resource and Environmental Economics*, 176-182, London: Elsevier

Report

Löfgren, K-G. (2014) *A Brief History of Envelope Theorems in Economics: Static and Dynamic*. Umeå Economic Studies, nr 892

Conference

20th *Ulvön conference on Environmental Economics*, Ulvön, Sweden, 2013

External activities

CESifo Munich Lectures in Economics, Lectures by Distinguished CES Fellow 2013 Ernst Fehr, November 19-21, 2013

Chairman of The Institute of Labour Market - and Human Capital Evaluations (IFAU)

Associate Professors

Ann-Kristin Bergquist

Journal articles

Bergquist, A-K. and Söderholm, K. (2014) Industry Strategies for Energy Transition in the Wake of the Oil Crisis. *Business and Economic History On-Line* 42, 1-19

Bergquist, A-K., Söderholm, K., Kinneryd, H., Lindmark, M. and Söderholm, P. (2013) Command-and-Control Revisited. Environmental Compliance and Technological Change in Swedish Industry 1970-1990, *Ecological Economics* 85, 6-19

Söderholm, K. and Bergquist, A-K. (2013) Environmental Adaptation and Industrial Competitiveness: Experiences from the Swedish Pulp Industry, *Sustainability* 5, 1789-1805

Reports

Bergquist, A-K., Sabo, J. and Söderholm, K. (2014) *Energiomställning och teknisk omvandling i svensk massa och pappersindustri 1970-1990*. Umeå Studies in Economic History, Nr 43/12

Söderholm, K. and Bergquist, A-K. (2013) *Greening of Business: the Case of Domsjö Pulp Mill 1960-1990*. Reserach report, ISSN: 1402-1528 , ISBN 978-91-7439-554-9, Luleå tekniska universitet

Conferences

Bergkvist, A-K. *European Business History Association Conference*. Paper: Transition to Chlorine Free Pulp: Experiences from the Swedish Pulp and Paper Industry in Contrast to the US, Uppsala, August 22-24, 2013

Business History Conference, Frankfurt am Main, Tyskland 13-15 april, 2014. "Strategies for Energy Transition. The Swedish pulp and paper industry 1973-1990" (with Kristina Söderholm)

Dilemmas of Going Green. Company strategies in the Swedish mining company Boliden 1960-2000. Green Capitalism? Hagley Museum Fall Conference, Delaware, 30-31 oktober, 2014

European Business History Association Conference, Utrecht, 21-23 augusti, 2014 "Gold, arsenic and Corporate Responsibility. Managing environmental risks in the mining industry during the interwar period" (with Magnus Lindmark)

External activities

Presenter at the economic history seminar at the department of economic history, Lund University, 22 oktober, 2014

Presenter at the economic history seminar at Stockholm School of economics, 18 november, 2014

Göran Bostedt

Journal articles

Ekvall, H., Bostedt, G. and Jonsson, M. (2013) Least-Cost Allocation of Measures to Increase the Amount of Coarse Woody Debris in Forest Estates. *Journal of Forest Economics* 19 (3), 267-285

Ekvall, H., Löfgren, S. and Bostedt, G. (2014) Ash Recycling – A Method to Improve Forest Production or to Restore Acidified Surface Waters? *Forest Policy and Economics* 45, 42-50

Geijer, E., Andersson, J., Bostedt, G., Brännlund, R. and Hjältén, J. (2014) Safeguarding Species Richness vs. Increasing the use of Renewable Energy – The Effect of Stump Harvesting on Two Environmental Goals. *Journal of Forest Economics* 20 (2), 111-125

Jiang, X, Gong, P., Bostedt, G., and Xu, J. (2014) Impacts of Policy Measures on the Development of State Owned Forests in Northeast China – Theoretical Results and Empirical Evidence. *Environment and Development Economics* 19 (1), 74-91

Widmark, C., Bostedt, G., Andersson, M. and Sandström, C. (2013) Measuring Transaction Costs in Multiple Land Use Situations – The Case of Forestry and Reindeer Husbandry in Sweden. *Land Use Policy* 30, 677-684

Zabel, A., Bostedt, G. and Engel, S. (2014) Performance Payments for Groups: The Case of Carnivore Conservation in Northern Sweden. *Environmental & Resource Economics* 59 (4), 613-631

Östberg, K., Håkansson, C., Hasselström, L. and Bostedt, G. (2013) Benefit Transfer for Environmental Improvements in Coastal Areas: General vs. Specific Models. *Canadian Journal of Agricultural Economics* 61, 239-258

Book

Bostedt, G. (2013), *Naturresurs- och skogsekonomi*. Lund: Studentlitteratur

Book chapters

Bostedt, G., Brännlund, R. and Geijer, E. (2014) Spridningseffekter och målkonflikter. In: Kriström, B. and Bonta Bergman, M. (Eds.) *Samhällsekonomiska analyser av miljöprojekt - en vägledning* 261-270, Stockholm: Swedish Environmental Protection Agency (Report No. 6628)

Bostedt, G., Innala, S., Löfgren, S. and Bishop, K. (2014) CBA av skogsmarks- och ytvattenkalkning. In: Kriström, B. and Bonta Bergman, M. (Eds.) *Samhällsekonomiska analyser av miljöprojekt - en vägledning* 60-79, Stockholm: Swedish Environmental Protection Agency (Report No. 6628)

Conferences

Bostedt, G. (2014) Least-Cost Allocation of Measures to Increase the Amount of Coarse Woody Debris in Forest Estates. At the *Biennial Meeting of the Scandinavian Society of Forest Economists*, Uppsala, 21–24 May 2014

Bostedt, G. (2014) Least-Cost Allocation of Measures to Increase the Amount of Coarse Woody Debris in Forest Estates. At the *5th World Congress of Environmental and Resource Economists*, Istanbul, Turkey, June 28 - July 2 2014

Bostedt, G. (2014) Goal Conflicts and the Swedish National Environmental Objectives, At the Laboratoire d'Economie Forestière, LEF, Biennial Workshop *Economics of carbon, climate change and forest*, Nancy, France, October 23-24 2014

Bostedt, G. Ash Recycling – A Method to Improve Forest Production or to Restore Acidified Surface Waters? Invited paper presented at the *IUFRO International Symposium on Socio-economic Analyses of Sustainable Forest Management*, Prague, Czech Republic, May 2013

Bostedt, G. Pastoralist Users in Multiple Land-Use Situations: Economic Behavior, Wildlife Conflicts, and Transaction Costs from Unclear Property Rights. Invited presentation at the *ICRAF-SLU workshop*, Nairobi, Kenya, November 2013

External activities

Member of the International Committee, Faculty of Forest Sciences, SLU, 2009-

Member of the Equal Opportunities Committee, Faculty of Forest Sciences, SLU, 2014-

Member of the Committee for Sustainable Development (responsible for ISO14001 certification), Umeå School of Business and Economics, Umeå University, 2013-

Board member, Centre for Sami Research (CeSam), Umeå University, 2014-

Grading Committee Member, Anna Mansikkasalo's Ph.D. thesis, Economics Unit, Luleå University of Technology, May 8, 2013

Research stay abroad

Visiting Researcher Laboratoire d'Economie Forestière, LEF, INRA, Nancy, France, October, 2014

Assistant Professors

Thomas Broberg

Reports

Broberg, T., Berg, C. and Samakovlis, E. (2014) *The Economy-wide Rebound Effect from Improved Energy Efficiency in Swedish Industries – A General Equilibrium Analysis*. Working Paper 2014:8, Centre for Environmental and Resource Economics, Umeå, Sweden

Broberg, T. and Kazukauskas, A. (2014) *Inefficiencies in Residential Use of Energy - A Critical Overview of Literature and Energy Efficiency Policies in EU and Sweden*. Working Paper 2014:7, Centre for Environmental and Resource Economics, Umeå, Sweden

Broberg, T. (2014) *Relative Income and the WTP for Public Goods - A Case Study of Forest Conservation in Sweden*. Working Paper 2014:6, Centre for Environmental and Resource Economics, Umeå, Sweden

Broberg, T., Brännlund, R., Kazukauskas, A., Persson, L. and Vesterberg, M. (2014) *En elmarknad i förändring - Är kundernas flexibilitet till salu eller ens verklig?* Research report to the Energy Market Inspectorate

Newspaper article

Broberg, T. Elcertifikatsystemet framstår allt mer som en tombola. (May 6th 2014) *Second Opinion*, Energi

Kelly de Bruin

Reports

Schaeffer, M., Baarsch, F., Adams, S. and de Bruin, K. (2014) *Africa's Loss and Damages Technical Report: Climate-change Related Loss and for Africa*. United Nations Environment Programme (UNEP), Nairobi

Dellink, R., Lanzi, E., Chateau, J., Bosello, F., Parrado, R. and de Bruin, K. (2014) *Consequences of Climate Change Damages for Economic Growth: A Dynamic Quantitative Assessment*. Working Papers #1135, OECD Economics Department

UNEP (2014) *The Adaptation Gap Report 2014*. United Nations Environment Programme (UNEP), Nairobi

UNEP; AMCEN; Climate Analytics, (2013) *Africa's Adaptation Gap - Climate-change Impacts, Adaptation Challenges and Costs for Africa*, UNEP Technical Report

Conferences

de Bruin, K. C. Assessing the Impacts of Adaptation on Mitigation Strategies, an Analysis with AD_MERGE, *17th Annual Conference on Global Economic Analysis (GTAP)*, June 18-20 2014, Dakar, Senegal.

de Bruin, K. C. Adaptation and Mitigation Challenges of the SSPs, *16th Annual Conference on Global Economic Analysis*, June 12-14 2013, Shanghai, China

Jūratė Jaraitė

Journal articles

Jaraitė, J. and Kažukauskas, A. (Published online October 9 2014) Do Transaction Costs Influence Firm Trading Behaviour in the European Emissions Trading System? *Environmental and Resource Economics*, DOI: 10.1007/s10640-014-9831-7

Jaraitė, J., Kažukauskas, A. and Lundgren, T. (2014) The Effects of Climate Policy on Environmental Expenditure and Investment: Evidence from Sweden. *Journal of Environmental Economics and Policy* 3 (2), 148-166

Jaraitė, J. and Kažukauskas, K. (2013) The Profitability of Electricity Generating Firms and Policies Promoting Renewable Energy, *Energy Economics* 40, 858-865

Reports

Jaraitė, J. and Di Maria, C. (2014) *Did the EU ETS Make a Difference? An Empirical Assessment Using Lithuanian Firm-level Data*. Working Paper 2014:2, Centre for Environmental and Resource Economics, Umeå, Sweden

Jaraitė, J., Jong, T., Kažukauskas, A., Zaklan, A., and Zeitzberger, A. (2013) *Matching EU ETS Accounts to Historical Parent Companies: A Technical Note*. European University Institute, Florence. Available online at <http://fsr.eui.eu/CPRU/EUTLTransactionData.aspx>

Conferences

Jaraitė, J. Firm Trading Behaviour and Transaction Costs in the European Union's Emissions Trading System: an Empirical Assessment In: *The 32nd International Energy Workshop*, Paris (FR), June 2013

Invited speaker at the *18th POWER Conference on Energy Research and Policy*, University of California, Berkeley (USA). Firm Trading Behaviour and Transaction Costs in the European Union's Emissions Trading System: an Empirical Assessment, March 2013

External activity

Jaraitė, J., Jong, T., Kažukauskas, A., Zaklan, A., and Zeitzberger, A. (2013) Ownership Links and Enhanced EUTL Dataset. European University Institute, Florence. Available online at <http://fsr.eui.eu/CPRU/EUTLTransactionData.aspx>

Research stay abroad

European University Institute, Florence, Italy, May 2013

Amin Karimu

Journal article

Karimu, A. (2014) Impact of Economic and Non-economic Factors on Gasoline Demand: a Varying Parameter Model for Sweden and the UK. *OPEC Energy Review* 38(4), 445-468

Karimu, A. and Brännlund, R. (2013) Functional Form and Aggregate Energy Demand Elasticities: A Nonparametric Panel Approach for 17 OECD Countries, *Energy Economics* 36, 19-27

Book

Karimu, A. (2013) *Essays on energy demand and household energy choice*. PhD thesis, Umeå University. Advisor: Professor Runar Brännlund

Reports

Brännlund, R. and Karimu, A. (2014) *Convergence in Global Environmental Performance: Assessing Heterogeneity*. Working Paper 2014:15, Centre for Environmental and Resource Economics, Umeå, Sweden

Brännlund, R., Karimu, A., and Söderholm, P. (2014) *Convergence in Carbon Dioxide Emissions and the Role of Growth and Institutions: A Parametric and Nonparametric Analysis*. Working Paper 2014:12, Centre for Environmental and Resource Economics, Umeå, Sweden

Karimu, A. and Mensah, J.T. (2013) Climate Change and Electricity Consumption in Sub-Saharan Africa: Any Causal Dynamics? In: *Africa Climate Conference (ACC2013)*, October 15-18, 2013

Andrius Kazukauskas

Journal articles

Jaraitė, J. and Kazukauskas, A. (Published online October 9 2014) Do Transaction Costs Influence Firm Trading Behaviour in the European Emissions Trading System? *Environmental and Resource Economics*, DOI: 10.1007/s10640-014-9831-7

Jaraitė, J., Kazukauskas, A. and Lundgren, T. (2014) The Effects of Climate Policy on Environmental Expenditure and Investment: Evidence from Sweden. *Journal of Environmental Economics and Policy* 3 (2), 148-166

Jaraitė, J. and Kazukauskas, K. (2013) The Profitability of Electricity Generating Firms and Policies Promoting Renewable Energy. *Energy Economics* 40, 858-865

Kazukauskas, A., Newman, C. and Sauer, J. (2014) The Impact of Decoupled Subsidies on Productivity in Agriculture: a Cross-country Analysis Using Microdata. *Agricultural Economics* 45 (3), 327–336

Kazukauskas, A., Newman, C., Sauer, J. and Clancy, D. (2013) Disinvestment, Farm Size and Gradual Farm Exit: the Impact of Subsidy Decoupling in a European Context. *American Journal of Agricultural Economics* 95 (5), 1068-1087

Reports

Broberg, T., Brännlund, R., Kazukauskas, A., Persson, L. and Vesterberg, M. (2014) *En elmarknad i förändring - Är kundernas flexibilitet till salu eller ens verklig?* Swedish Energy Market Inspectorate, Sweden

Jaraitė, J., Jong, T., Kazukauskas, A., Zaklan, A., and Zeitlberger, A. (2013) *Matching EU ETS Accounts to Historical Parent Companies: A Technical Note*. European University Institute, Florence. Available online at <http://fsr.eui.eu/CPRU/EUTLTransactionData.aspx>

Kazukauskas, A. and Broberg, T. (2014) *Inefficiencies in Residential use of Energy - A Critical Overview of Literature and Energy Efficiency Policies in EU and Sweden*, Working Paper 2014:7, Centre for Environmental and Resource Economics, Umeå, Sweden

Conferences

Firm Trading Behaviour and Transaction Costs in the European Union's Emissions Trading System: an Empirical Assessment. *The 20th Annual Conference of the European Association of Environmental and Resource Economists (EAERE)*, Toulouse, France, on June 26-29, 2013

Kazukauskas, A. (2014) Matching EU ETS Accounts to Historical Parent Companies: A Technical Note, *Fifth World Congress of Environmental and Resource Economists*, Istanbul, Turkey, 27 June - 2 July 2014

Kazukauskas, A. (2014) Gain Without Pain? Renewable Energy and Economic Growth in EU Countries, *Fifth World Congress of Environmental and Resource Economists*, Istanbul, Turkey, 28 June - 2 July 2014

Kazukauskas, A. (2014) Energy Efficiency Gap in Household Electricity Use: non-Price Policy Toolkit, *Allmänna energisystemstudiers programkonferens*, Stockholm, 15-16 January, 2014

Speaker at *The 20th Annual Conference of the European Association of Environmental and Resource Economists (EAERE)*, Toulouse, France, on June 26-29, 2013

External activity

Jaraitė, J., Jong, T., Kažukauskas, A., Zaklan, A. and Zeitzberger, A. (2013) Ownership Links and Enhanced EUTL Dataset. European University Institute, Florence. Available online at <http://fsr.eui.eu/CPRU/EUTLTransactionData.aspx>

Research stay abroad

Visiting Researcher at European University Institute (EUI), Robert Schuman Centre for Advanced Studies, Climate Policy Research Unit for 4 weeks, 2013

Chandra Kiran B Krishnamurthy

Journal article

Cioffi, F., Lall, U., Rus, E. and Krishnamurthy, C.K.B. (Published online August 2014) Space-time Structure of Extreme Precipitation in Europe over the last Century, *International Journal of Climatology*

Book chapter

Kriström, B. and Krishnamurthy, C. K. B. (2013) Greening Household Behavior: Analysis of and Policy Implications of the 2011 Survey: Energy. In *Greening Household Behavior: Main Results from the 2011 Survey and Policy Implications. Thematic Reports: Energy, Transport, Water, Food and Waste*. Paris: OECD

Reports

Krishnamurthy, C. K. B. and Kriström, B. (2013) *Energy Demand and Income Elasticity: a Cross Country Analysis*. Working Paper 2013:5, Centre for Environmental and Resource Economics, Umeå, Sweden

Krishnamurthy, C. K. B. and Kriström, B. (2013) *Determinants of the Price-premium for Green Energy: Evidence from an OECD Cross-section*. Working Paper 2013:7, Centre for Environmental and Resource Economics, Umeå, Sweden

Krishnamurthy, C. K. B. and Kriström, B. (2013) *How Large is the Owner-Renter Divide? Evidence from an OECD Cross-section*. Working Paper 2013:8, Centre for Environmental and Resource Economics, Umeå, Sweden

Krishnamurthy, C. K. B. (2013) *Distributional impacts of Energy Policies: An Analysis of the 2011 EPIC data*. Working Paper, OECD (Environment Directorate), Paris, France

Kriström, B. and Krishnamurthy, C.K.B (2014) *Greening Household Behavior and Energy*. No. 78, OECD Environment Working Paper, Paris, France

Vesterberg, M., Krishnamurthy, C.K.B. and Bayrak, O. (2014) *Residential End Use Electricity Demand and the Implications for Real Time Pricing in Sweden*. No. 903, Umeå Economic Studies, Umeå, Sweden

Conferences

Determinants of Residential Demand for Green Energy, *ASSA meetings*, San Diego, January 2013

Structural Properties of Stochastic Groundwater Models. *The 20th Annual Conference of the European Association of Environmental and Resource Economists (EAERE)*, Toulouse, France, on June 26-29, 2013

Structural Properties of Stochastic Groundwater Models, *EURO-INFORMS*, Rome, July 2013

Vesterberg, M., Krishnamurthy, C.K.B. and Bayrak, O. (2014) Residential End use electricity demand and the implications for real time pricing in Sweden. *37th IAEE Conference*, New York, June 15-18 2014

Research stays' abroad

OECD, Environmental Directorate, August 2013

Research Visit, Purdue University, Dept. Of Agricultural Economics, January 14 - February 7 2014

Visiting Researcher, Purdue University, Dept. of Agricultural Economics, January 2013

Per-Olov Marklund

Journal articles

Broberg, T., Marklund, P-O., Samakovlis, E. and Hammar, H. (2013) Testing the Porter Hypothesis – The Effects of Environmental Investments on Efficiency in Swedish Industry. *Journal of Productivity Analysis* 40 (1), 43-56

Brännlund, R., Lundgren, T. and Marklund, P-O. (2014) Carbon Intensity in Production and the Effects of Climate Policy - Evidence from Swedish Industry. *Energy Policy* 67, 844-857

Färe, R., Grosskopf, S., Lundgren, T., Marklund, P-O. and Zhou, W. (2014) Pollution Generating Technologies and Environmental Efficiency. *Journal of Chinese Economic and Business Studies* 12 (3), 233-251

Lundgren, T. and Marklund, P-O. (Published online June 12, 2014) Climate Policy, Environmental Performance, and Profits. *Journal of Productivity Analysis*, DOI 10.1007/s11123-014-0396-9

Lundberg, S. and Marklund, P-O. (2013) Green Public Procurement as an Environmental Policy Instrument: Cost Effectiveness. *Environmental Economics* 4 (4), 50-58

Lundgren, T. and Marklund, P-O. (2013) Assessing the Welfare Effects of Promoting Biomass Growth and the Use of Bioenergy. *Climate Change Economics* 4 (1), 1-13

Book chapter

Lundgren, T. and Marklund, P-O. (2013) Economics of Biofuels: An Overview. In: Shogren, J.F., (Ed.) *Encyclopedia of Energy, Natural Resource, and Environmental Economics* 1, 184-187, London: Elsevier

Reports

Färe, R., Grosskopf, S., Lundgren, T., Marklund, P-O. and Zhou, W. (2013) *Which Bad is Worst? An Application of Leif Johansen's Capacity Model*. Working Paper 2013:2, Centre for Environmental and Resource Economics, Umeå, Sweden

Lundberg, S. and Marklund, P-O. (2013) *Offentlig upphandling eller gröna nedköp? En ESO-rapport om miljöpolitiska ambitioner*. Rapport till Expertgruppen för studier i offentlig ekonomi 2013:10

Lundgren, T., Marklund, P-O. and Zhang, S. (2014) *Energy Efficiency in Swedish Industry - A Stochastic Frontier Approach*. Working Paper 2014:9, Centre for Environmental and Resource Economics, Umeå, Sweden

Lundgren, T., Marklund, P-O., Samakovlis, E. and Zhou, W. (2013) *Carbon Prices and Incentives for Technological Development*. Working Paper 2013:4, Centre for Environmental and Resource Economics, Umeå, Sweden

Newspaper articles

Lundberg, S. and Marklund, P-O. Grön offentlig upphandling har ingen effekt på miljön. (DN Debatt December 10th 2013). *Dagens Nyheter*

Samakovlis, E., Lundberg, S. and Marklund, P-O. Grön upphandling på felaktiga grunder. (Published online May 16th 2013), *Göteborgs-Posten*

Conference

Lundgren, T., Marklund, P-O., Samakovlis, E. and Zhou, W. (2014) Carbon Prices and Incentives for Technological Development. At the 4th International Association for Energy Economics (IAEE) Asian Conference, Beijing, September 19-21 2014

Lars Persson

Journal articles

Aronsson, T., Persson, L. and Sjögren, T. (2014) Mixed Taxation, Public Goods, and Transboundary Exteranalties: A Model with Large Jurisdictions. *Public Finance Review* 42 (2), 254-282

Ek, K. and Persson, L. (2014) Wind farms - Where and How to Place Them? A Choice Experiment Approach to Measure Consumer Preferences for Characteristics of Wind Farm Establishment in Sweden. *Ecological Economics* 105, 193-203

Ek, K., Persson, L., Johansson, M. and Waldo, Å. (2013) Location of Swedish Wind Power – Random or not? *Energy Policy* 58, 135-141

Persson, L. (Published online July 17, 2014) Incentives Underlying Tax Policies in a Decentralized Federation with Horizontal Leadership and Transboundary Environmental Damage. *Letters in Spatial and Resource Sciences*

Reports

Broberg, T., Brännlund, R., Kazukauskas, A., Persson, L. and Vesterberg, M. (2014) *En elmarknad i förändring - Är kundernas flexibilitet till salu eller ens verklig?* Swedish Energy Markets Inspectorate, Sweden

Waldo, Å., Ek, K., Johansson, M. and Persson, L. (2013) *Vindkraft i öppet landskap, skog, fjäll och hav*. Naturvårdsverket, rapport 6540, ISBN: 978-91-620-6540-9

Conferences

Broberg, T. and Persson, L. (2014) Is our everyday comfort for sale? A choice experiment approach to measure peoples willingness to accept restrictions in household energy consumption. *The 21st Ulvön Conference*, Ulvön, Sweden, June 2014

4th Ammarnäs meeting on *Environmental economics*, Ammarnäs, Sweden, 2013

20th *Ulvön conference on Environmental Economics*, Ulvön, Sweden, 2013

Invited speaker at CWE2013, *Conference on Wind Power and Environmental Impacts* (Plenary session). Stockholm, Sweden, 2013

Invited speaker at *Nationella vindkraftskonferensen* 2013 (National Wind Energy Conference). Kalmar, Sweden, 2013

Speaker at *the 20th Annual Conference of the European Association of Environmental and Resource Economists (EAERE)*, Toulouse, France, on June 26-29, 2013

External activity

Invited speaker to the Swedish Minister for Energy, Ibrahim Baylan. Umeå University, November 25, 2014

Graduate Students

Oben Bayrak

Report

Vesterberg, M., Krishnamurthy, C.K.B. and Bayrak, O. (2014) *Residential End Use Electricity Demand and the Implications for Real Time Pricing in Sweden*. No. 903, Umeå Economic Studies, Umeå, Sweden

Erik Brockwell

Book

Brockwell, E. (2014) *State and Industrial Actions to Influence Consumer Behavior*, PhD thesis, Umeå: Umeå University

Catia Cialani

Book

Cialani, C. (2014) *Essays on growth and environment*. PhD thesis, Umeå: Umeå University

External activity

Referee for the Journal Ecological Modelling, Elsevier Science

Mathilda Eriksson

Report

Eriksson, M. (2013) *The Role of the Forest in an Integrated Assessment Model of the Climate and the Economy*. Working Paper 2013:1, *Centre for Environmental and Resource Economics*, Umeå, Sweden

Conferences

Eriksson, M. *The Role of the Forest in an Integrated Assessment Model of the Climate and the Economy*. *International Energy Workshop*. Paris, June 19- 21, 2013

The Role of the Forest in an Integrated Assessment Model of the Climate and the Economy. *The 20th Annual Conference of the European Association of Environmental and Resource Economists (EAERE)*, Toulouse, France, on June 26-29, 2013

Research stays' abroad

Visiting Scholar at the Department of Agricultural and Resource Economics, University of California, Berkeley, Fall 2013

Paris School of Economics, 2014

Erik Geijer

Journal article

Geijer, E., Andersson, J., Bostedt, G., Brännlund, R. and Hjältén, J. (2014) *Safeguarding Species Richness vs. Increasing the use of Renewable Energy—The Effect of Stump Harvesting on two Environmental Goals*. *Journal of Forest Economics* 20 (2), 111-125

Book

Geijer, E. (2014) *Goal conflicts and spillover effects in Swedish environmental policy*. PhD Thesis, Umeå: Sveriges lantbruksuniv., Acta Universitatis agriculturae Sueciae

Book chapter

Bostedt, G., Brännlund, R. and Geijer, E. (2013) Spridningseffekter och målkonflikter. In: Kriström, B. and Bonta Bergman, M. (Eds.). *Samhällsekonomiska analyser av miljöprojekt - en vägledning*. Stockholm: Swedish Environmental Protection Agency

Mikael Levin

Book

Levin, M. (2014) *Att elda för kråkorna? : hushållens energianvändning inom bostadssektorn i Sverige 1913-2008*. PhD thesis, Umeå: Umeå University

Juan Salvador Inda Diaz

Conferences

Inda, J. Valuing a Power Plant Facility with Restricted Production Capacity Using Optimal Switching. 20th *Ulvön Conference on Environmental Economics*, June 18-20, Ulvön, Sweden, 2013

Inda, J. Valuing a Power Plant Facility with Restricted Production Capacity Using Optimal Switching. *XXVI Euro-Informs 26th European Conference on Operational Research "Sapienza"*, University of Rome, Rome July 1-4, 2013

Inda, J. Valuing a Power Plant Facility with Restricted Production Capacity Using Optimal Switching, *IWCee13 - International Workshop on Computational Economics and Econometrics*, Rome July 12-13, 2013

Inda, J. Valuing a Power Plant Facility with Restricted Production Capacity Using Optimal Switching. Ammarnäs Winter Workshop, March 25-27, 2013

Lei Shi

Book

Shi, L. (2014) *Econometric Analyses of Renewable Energy Promotion*. Umeå: Sveriges lantbruksuniv., Acta Universitatis agriculturae Sueciae

Mattias Vesterberg

Reports

Broberg, T., Brännlund, R., Kazukauskas, A., Persson, L. and Vesterberg, M. (2014) *En elmarknad i förändring - Är kundernas flexibilitet till salu eller ens verklig?* Swedish Energy Market Inspectorate, Sweden

Vesterberg, M., Krishnamurthy, C.K.B. and Bayrak, O. (2014) *Residential End Use Electricity Demand and the Implications for Real Time Pricing in Sweden*. No. 903, Umeå Economic Studies, Umeå, Sweden

Shanshan Zhang

Report

Lundgren, T., Marklund, P-O. and Zhang, S. (2014) *Energy Efficiency in Swedish Industry A Stochastic Frontier Approach*. Working Paper 2014:9, Centre for Environmental and Resource Economics, Umeå, Sweden

Katarina Östberg

Journal article

Östberg, K., Håkansson, C., Hasselström, L. and Bostedt, G. (2013) Benefit Transfer for Environmental Improvements in Coastal Areas: General Versus Best-Fitting Models. *Canadian Journal of Agricultural Economics* 61(3), 239-258

Communcation Officer

Mona Bonta Bergman

Report

Kriström, B. and Bonta-Bergman, M (Eds.) (2014) *Samhällsekonomiska analyser av miljöprojekt - en vägledning*. Report No. 6628, Stockholm: Swedish Environmental Protection Agency

Associates of CERE

Professor Chris Böhringer

Journal articles

Böhringer, C., Rutherford, T. F. and Springmann, M. (2014) Clean-Development Investments: An Incentive-Compatible CGE Modelling Framework. *Environmental and Resource Economics*, 1-19

Böhringer, C., Dijkstra, B. and Rosendahl, K.E. (2014) Sectoral and Regional Expansion of Emissions Trading. *Resource and Energy Economics* 37, 201-225

Böhringer, C. and Müller, A. (2014) Environmental Tax Reforms in Switzerland A Computable General Equilibrium Impact Analysis. *Swiss Journal of Economics and Statistics* 150 (1), 1-21

Böhringer C., Rosendahl, K.E. and Schneider, J. (2014) Unilateral Climate Policy: Can OPEC resolve the Leakage Problem? *The Energy Journal* 35 (4), 79-100

Böhringer, C., Fischer, C. and Rosendahl, K.E. (2014) Cost-Effective Climate Policy Design: Size Matters. *Journal of Economic and Environmental Management* 67 (3), 318-339

Böhringer, C. (2014) Two Decades of European Climate Policy: A Critical Appraisal. *Review Of Environmental Economics And Policy* 8 (1), 1-17

Böhringer, C., Lange, A. and Rutherford, T. F. (2014) Optimal Emission Pricing in the Presence of International Spillovers: Decomposing Leakage and Terms-of-Trade Motives. *Journal of Public Economics* 110, 101–111

Professor Shawna Grosskopf

Journal articles

Chambers, R., Färe, R. and Grosskopf, S. (2014) The Lerner Index and Economic Efficiency. *Theoretical Economics Letters* 4, 2152-2812

Chambers, R., Färe, R., Grosskopf, S. and Vardanyan, M. (2013) Generalized Quadratic Revenue Functions. *Journal of Econometrics* 173, 11-21

- Chau, N., Färe, R. and Grosskopf, S. (2013) Trade Restrictiveness and Pollution. *Journal of Public Economic Theory* 15 (1), 25-52
- Cross, R., Färe, R. Grosskopf, S. and Weber, W.L. (2013) Valuing Vineyards: A Directional Distance Function Approach. *Journal of Wine Economics*, 69-82
- Färe, R. and Grosskopf, S. (2013) DEA, Directional Distance Functions and Positive, Affine Data Transformation. *Omega* 41, 28-30
- Färe, R. Grosskopf, S. and Pasurka, C. (2013) Joint Production of Good and Bad Outputs with a Network Application. Encyclopedia of Energy. *Natural Resources and Environmental Economics* 2, 109-118
- Färe, R., Grosskopf, S. and Pasurka, C. (2014) Potential Gains from Trading Bad Outputs: The Case of U.S. Electric Power Plants. *Resource and Energy Economics* 36 (1), 99-112
- Färe, R., Grosskopf, S. and Pasurka, C. (2013) Tradable Permits and Unrealized Gains from Trade. *Energy Economics* 40, 416-424
- Färe, R., Grosskopf, S., Lundgren, T., Marklund, P-O. and Zhou, W. (2014) Pollution Generating Technologies and Environmental Efficiency. *Journal of Chinese Economics and Business Studies* 12 (3), 233-251
- Färe, R., Grosskopf, S., Pasurka, C. and Martins-Filho, C. (2013) On Nonparametric Estimation: with a focus on Agriculture. *Annual Reviews* 5, 93-110
- Färe, R., Fukuyama, H., Grosskopf, S. and Weber, W.L. (2013) Measuring Efficiency in Price Space with Application to Japanese Security Firms. *International Journal of Operations Research and Information Systems*, 1-26
- Grosskopf, S., Hayes, K. and Taylor, L. (2014) Applied Efficiency Analysis in Education. *Economics and Business Letters* 3 (1), 19-26
- Grosskopf, S., Hayes, K. and Taylor, L. (2014) Efficiency in Education: Research and Implications. *Applied Economic Perspectives and Policy* 36 (2), 175 – 210
- Book chapters**
- Färe, R. Grosskopf, S. and Whittaker, G. (2014) Network DEA II In W. Cook and J. Zhu *DEA: A Handbook on the Modeling of Internal Structures and Networks*, 307-327
- Färe, R., Grosskopf, S., Pasurka, C. and Shadbegian, R. (2013) Environmental and Regulatory Rigidity and Employment in the Electric Power Sector, In *Does Regulation Kill Jobs?* C. Coglianese, et al. (Eds.) 89-108. Philadelphia: University of Pennsylvania Law School
- Report**
- Färe, R., Grosskopf, S., Lundgren, T., Marklund, P-O., Zhou, W. (2013) *Which Bad is Worst? An Application of Leif Johansen's Capacity Model*. Working Paper 2013:2, Centre for Environmental and Resource Economics, Umeå, Sweden
- Conference**
- Grosskopf, S., Hayes, K., Taylor, L. and Weber, W. (2014) A Tale of Three Cities: Efficiency and Equity in Public School Districts, *Asia Pacific Productivity Conference*, Brisbane, Australia, July 2014
- Research stays' abroad**
- Visiting Scholar, Auckland, New Zealand, Feb-March 2014
- Visiting Scholar, CERE, June 2014

Professor Per-Olov Johansson

Book

Johansson, P.-O. and Kriström, B. (2013) *Evaluating Water Projects: Cost-Benefit Analysis Versus Win-Win Approach*. Berlin: Springer Verlag

External activities

Member of Academic Panel, Review of EU:s Guide to Cost-Benefit Analysis, 2014

Member of Scientific Committee for a project on R&D at Università degli Studi di Milano financed by the European Investment Bank, 2013-

Assistant Professor Andrew Zaeske

Conference

Zaeske, A. and Kiran B Krishnamurthy, C. An Analytical Assessment of the Relationship Between Social Welfare and Legal Restrictions in a Water Network : An Economic Analysis of Institutional Failures in Water. *The 20th Ulvön Conference*, Ulvön, Sweden, June 18-20, 2013.

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