

CERE





Research Directors Welcome

The basic idea of assembling resource and environmental economists at one geographical location on the Umeå Campus has been around for many years. In 2009, Runar Brännlund and I agreed that it was time for action. Both Umeå University and SLU were enthusiastic and CERE is now a part of the long-run strategic plan of both universities.

After the official inauguration in the end of 2009, we started on the actual move and we are now all situated together at the Department of Economics, UmU. And with a flying start. We now have five new post-docs in place and the 6th is coming in early 2012. It is notable that the post-docs are all from abroad, CERE is truly an international place. The inflow of new talent is part of our general strategy to increase intellectual flow. This idea is buttressed by a suite of other actions, including but not limited to, a series of intensive workshops, two international conferences and co-operative agreements with several other universities being signed. And more is to come. We expect to strengthen CERE further by adding a new Chair in a focal area of our research.

Bengt Kriström

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About CERE

Umeå Campus has the last decades been developed into a national and international centre for research and education in environmental and natural resource economics. The two Umeå based universities, Umeå University (UmU) and the Swedish University of Agricultural Sciences (SLU) have a long tradition in producing environmental knowledge in several disciplines, including the humanities and social sciences, and in close cooperation with each other. The creation of CERE joined two separate, but interlinked, research groups in resource and environmental economics.

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
- Constitute a platform for a creative and strong research environment within the field
- Develop higher education in environmental and resource economics

CERE is led by the research director, Professor Bengt Kriström, who is also head of the Dept. of Forest Economics, SLU Umeå, and deputy research director, Professor Runar Brännlund, Dept. of Economics, Umeå University. CERE consisted 2011 of; 5 professors, 13 associate professors, assistant professors or post-docs, 14 graduate students and one communication officer. About 45 % of the CERE personnel have SLU as employer; the remainder have UmU as employer. Important external funding sources for CERE have been Elforsk, the Swedish EPA, the Swedish Energy Agency, Formas and Mistra. Recruitment of post-doc's, and CERE's guest researcher programme, has been generously funded by Handelsbanken research foundations.



**Centre for Environmental
and Resource Economics**

The Past Year

2011 has been an exciting year for CERE in the sense that it has been the first whole year with active research since the start in 2009 and 2010. Most of 2010 was devoted to discussions and meetings about targets, strategies and recruitment profile CERE should represent and work towards.

In 2011 CERE could finally start working. Two post docs were recruited in 2010, Kelly de Bruin (top left), Wageningen University and Jurate Jaraite (top right), University College Dublin who started their work at CERE in the autumn of 2010. In 2011 two additional post docs were recruited, Chandra Kiran (bottom left), Columbia University, and Andrew Zaeske (bottom right), University of California. Both of them started at CERE in the autumn of 2011. This meant that CERE fulfilled one of the objectives for the first two years, namely to recruit four young and skilled researchers. CERE's confident that the new colleagues will contribute significantly to the research environment.

The CERE strategy also include objectives to provide short courses on specific themes, and to arrange workshops and conferences. In 2011 CERE offered three short courses open to students and scholars all over the world. The first course, "stated preferences" took place in April, with Bengt Kriström from CERE and Thomas Laitila from Örebro University as lecturers' and main responsible. In May Rolf Färe and Shawna Grosskopf from Oregon State University provided a course on "productivity and efficiency". Both courses were well attended. In October CERE offered a short course on GAMS-modelling, responsible Kelly de Bruin, post doc at CERE, excelled in this task.

In summary, 2011 have been a very interesting year, watching CEREs ideas successfully taking form in practice.



Selection of Ongoing Projects

Bioenergy, the Climate, and Economics (FORMAS, 2009-2011)

This project investigates the economic and ecological aspects of pursuing energy and climate policy, explicitly the phasing out of fossil fuels in favour of fuels from renewable resources. The general purpose of the project is to contribute to the development of tools for analysing a large scale change of the energy system that could be used as reference in designing energy and climate policy. We develop both theoretical and empirical models that adequately accounts for the inter-relation between the economy and ecology.

Impact of energy and environmental policy on sustainable development and competitiveness in Swedish industry (Swedish Energy Agency, 2011-2013)

There are few findings regarding the effects on climate- and energy policy objectives in a broader perspective. The policy objectives established by the EU and the Swedish government has suggested national objectives to be achieved in 2020. This project makes an effort to assess these objectives by studying the effects based on a broader perspective. The project's results will contribute to an overall picture useful to environmental and energy policy making aimed at a future sustainable society.

PlusMinus (the Swedish EPA)

The research programme focuses on how to assess benefits and costs in the area of environmental decision-making. It aims at developing theory and methods for applying cost-benefit analysis (CBA) to problems involving environmental policies and management. PlusMinus includes an outreach programme that besides periodical newsletters to interested parties also will deliver a concise and easy to use handbook and training.



Meetings

As mentioned, CEREs strategy includes arranging meetings and workshops. In 2011 CERE arranged two different meetings.

The Ulvön Conference

An open international conference on Environmental Economics, held 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. This year's conference pre-opened one day before the actual conference with a course at Umeå University in non-linearities, threshold effects and catastrophic risk in dynamic resource management. The conference had around 40 visitors and a total amount of 21 speakers from various fields with a wide spectrum of different research subjects within environmental economics. Special thanks to Professor Geir Aasheim who gave a very interesting and stimulating keynote speak. The conference is always held at Ulvön, a small, old fishing hamlet located at the Swedish east-coast, about 40 km south of Örnsköldsvik. The island has about 40 around the year residents but is a popular travel destination for tourists during the summer.

The Ammarnäs Winter Meeting

For the second time running CERE arranged an internal meeting in an alpine scenery. This workshop is a PhD, Post-Doc and researchers presentation meeting with widely diverse interests and backgrounds. The Ammarnäs Workshop is held at Vindelfjällen Research Station where researchers work together to create an interdisciplinary meeting place. The aim is to build a knowledge centre for people interested in the relationship among environmentally related issues and developments in society.



A CERE Working Paper

Scaling electrocution prevention measures to compensate for White Tailed Eagle (WTE) losses at the Smøla Wind Farm, Norway.

Can the public be compensated for environmental losses from wind power plants? If so, how much is enough compensation? Scott Cole (an economist) and Espen Lie Dahl (a biologist) propose a method to address this issue at Statkraft's Smøla wind farm in Norway, where 41 white-tailed dead eagles have been found under the park's 68 turbines due to collisions with the blades.

Statkraft is willing to consider possible measures to address these losses and Cole and Lie Dahl's paper proposes a method to ensure "fair" compensation. Their paper measures the loss in human well-being from these collisions and proposes a compensation project that offsets this loss. Their method quantifies the number of "bird-years" lost (i.e., the life expectancy of an eagle had it not collided with the turbine) and scales the size of a compensation project to ensure it provides an equal number of "bird years" over time. The compensation project aims to prevent electrocution of eagles at nearby power lines. The paper argues that the lack of knowledge about eagle behavior around wind farms prevents collision prevention, but Statkraft could instead prevent electrocution mortality, which can be addressed cost-effectively thanks to our better understanding of the problem. The paper stresses that compensation should only be used as a last resort and should not be used to justify otherwise environmentally-costly projects.



SCOTT G. COLE,
Centre for Environmental
and Resource Economics,
University of Umeå,
Sweden

ESPEN LIE DAHL,
Norwegian Institute
for Nature Research,
Trondheim, Norway

photo: Espen Lie Dahl

Personnel

Professors

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

Associate Professors

Lars Fredrik Andersson
Göran Bostedt
Tommy Lundgren

Guest researchers

Sevil Acar

Assistant Professors

Ann-Kristin Bergquist
Kelly de Bruin
Jurate Jaraite
Andrius Kazukauskas
Chandra Kiran B Krishnamurthy
Andrea Mannberg
Per-Olov Marklund
Fredrik Olsson Spjut
Anton Paulrud
Lars Persson
Andrew L Zaeske

Administration

Mona Bonta Bergman





Graduate Students

Elin Biström

Erik Brockwell

Catia Cialani

Scott Cole

Mathilda Eriksson

Örjan Furtenback

Erik Geijer

Amin Karimu

Shi Lei

Mikael Levin

Christos Verouchis

Fengjie Yu

Shanshan Zhang

Katarina Östberg

Visit www.CERE.se to;

- sign up for CERE newsletter
- read latest news
- come in contact with staff
- see the CERE calender
- learn more about CERE projects

Publications and Activities 2011

Professors

Runar Brännlund

Journal articles

Brännlund, R. and Boisvert, R. (Published online December 28 2011) The Use of Biomass to Produce Electricity. Forthcoming in *Eurochoices* 10, 26-30. (2012)

Geijer, E., Bostedt, G. and Brännlund, R. (2011) Damned if you do, Damned if you don't –Reduced Climate Impact vs. Sustainable Forests in Sweden. *Resource and Energy Economics*, 33, 94-106

Johansson, M., Sjöström, M., Karlsson, J. and Brännlund, R. (Published online December 14 2011) Is Human Fear Affecting Public Willingness to Pay for the Management and Conservation of Large Carnivores. Forthcoming in *Society & Natural Resources*, 1-11 (2012)

Reports

Brännlund R., Carlén, O., Lundgren, T. and Marklund, P-O. (2011) *The Costs and Benefits of Intensive Forest Management*, Working paper 2011:12, Centre for Environmental and Resource Economics, Umeå

Brännlund, R., Lundgren, T., and P-O Marklund (2011) *Environmental Performance and Climate Policy*, Working paper 2011:6, Centre for Environmental and Resource Economics, Umeå

Vredin, A., Brännlund, R., Ljungqvist, L. and Strömberg, P. (2011) *Miljö, Arbete och Kapital* Konjunkturrådets Rapport 2011. Stockholm: SNS förlag

External activities

Elected member of the Royal Swedish Academy of Engineering, 2009

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

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

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

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

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

Opponent and examiner on the Licentiate thesis *Including International Aviation in the EU Emissions Trading Scheme*, by Fredrik Kopsch, The Royal Institute of Technology, Stockholm, Sweden, May 2011

Previewer of PhD thesis, University of Helsinki, Finland, August 2011

Previewer of PhD thesis, Lappeenranta University of Technology, Finland, November 2011

Visiting researcher, University of Las Palmas Gran Canaria, November 2011

Conferences

Lundgren, T. Climate Policy and Environmental Performance, *EAERE 18th Annual Conference*, Rome, Italy, 29 June-2 July 2011

Invited speaker at the annual meeting of the Swedish Association of Energy Economics, February 2011

Invited speaker at the conference Food and Climate, arranged by The Swedish Board of Agriculture, Stockholm, September 2011

Peichen Gong

Reports

Jiang, X., Gong, P., Bostedt, G., and Xu J. (2011) *Impacts of Policy Measures on the Development of State-Owned Forests in Northeast China: Theoretical Results and Empirical Evidence*. Environment for Development Discussion Paper Series EFD DP 11-12, University of Gothenburg, Göteborg

Löfgren, K.G. and Gong, P. (2011) *Economic Modeling in Forestry: Avoiding the Lucas Critique*. Working paper 2011:1, Centre for Environmental and Resource Economics, Umeå. (Forthcoming In: Kant, S. (Ed.). *Post-Faustmann Forest Resource Economics Chapter 11*, 2012, Springer)

Book chapters

Gong, P. (2011) Optimal rotation. In: Liu, J. (Ed.). *Forest Economics*. 93-142, China Agricultural Press

Löfgren, K-G. and Gong, P. (2011) *Forest Taxation as Policy*, forthcoming in a handbook on Forest Taxation edited by Bob Deacon and Jason Shogren

Conferences

Gong, P. Forestry and climate change. Presented at the *9th Forest Economics Forum*, Guangzhou, China, December 10-12, 2011

Gong, P., and Löfgren, K.G. Economic evaluation of tree improvement: The effect of changing harvest behavior. Presented at the *EAERE 18th Annual Conference*, Rome, Italy, 29 June-2 July 2011

Bengt Kriström

Journal articles

Boman, M., Eriksson, G., Kriström, B. and Mattsson, L. (2011) Moose Hunting Values in Sweden Now and Two Decades Ago: The Swedish Hunters Revisited. *Environmental & Resource Economics*, 50, 515-530

Johansson, P-O. and Kriström, B. (2011) Comment on Burgess and Zerbe: On Bank Market Power and the Social Discount Rate. *Journal of Benefit Cost Analysis*, 2, 1-8

Johansson, P-O. and Kriström, B. (2011) The New Economics of Evaluating Water Projects. *Annual Review of Resource Economics*, 3, 231-254

Kriström, B. (2011) CBA and Forest Economics. *Journal of Forest Economics*, 17, 1-2

Kriström, B. and Löfgren, K.-G. (2011) Sören Wibe in Memoriam. *Journal of Forest Economics*, 17, 105-106

Book

Johansson, P-O. and (eds) Kriström, B. (2011) *Modern Cost-Benefit Analysis of Hydropower Conflicts*. Cheltenham: Edward Elgar

Book Chapters

Belyaev, Y. and Kriström, B. (2011) Analysis of Contingent Valuation Data with Selfselected Rounded WTP-intervals Collected by Two-Steps Sampling Plans. In *WSPC proceedings*. IWorldScientific

Johansson, P-O. and Kriström, B. (2011) A Blueprint for a Cost-Benefit Analysis of a Water Use Conflict Hydroelectricity versus Other Uses. In P-O. Johansson and B. Kriström, editors, *Modern CBA and Hydropower*, 35-64. Cheltenham: Edward Elgar

Paulrud, A., Kriström, B., and Leonardsson, K. (2011) Få stora eller många små hur värderar fiskaren fångsten. In Persson et al, editor, *Ekologi för fiskevård*, 270-283. Stockholm: Sportfiskarna

External activities

Board member, ENTWINED research Program, MISTRA

Board member, Scientific Committee, Swedish Transportation Board

Chair, Department of Forest Economics

Chair, Expertgroup on Environmental Studies, Ministry of Finance

Director, CERE

Director, PlusMinus Research Program (on hold 2011)

Elected Member, KSLA

Elected Boardmember, Delegation for Financial Matters, Swedish Radiation Authority

Member, ENV-SOC Panel, Research Council for Biosciences and Environment

(RCBE) of the Academy of Finland, 3-4 March 2011

Conferences

2nd Ammarnäs Meeting on Environmental Economics, Organizer

18th Ulvön Conference on Environmental Economics, Organizer

Magnus Lindmark

Journal article

Lindmark, M., Bergquist, A-K. and Andersson, L-F. (2011), Energy Transition, Carbon Dioxide Reduction and Output Growth in the Swedish Pulp and Paper Industry: 1973-2006. *Energy Policy* 39(9), 5449-5456

Newspaper article

Söderholm, P., Bergquist, A-K., Lindmark, M., Söderholm, K. (21 Juni, 2011) Industrins miljökrav rimliga. *Norbottenskuriren*, 3

Karl-Gustaf Löfgren

Journal article

Kriström, B. and Löfgren, K.-G. (2011) Sören wibe in memoriam. *Journal of Forest Economics*, 17, 105-106

Reports

Löfgren, K-G. (2011) *On Envelope Theorems in Economics: Inspired by a Forgotten Lecture*, Umeå Economic Studies 830, Umeå

Löfgren, K.G. and Gong, P. (2011) *Economic modeling in forestry: Avoiding the Lucas Critique*. Working paper 2011:1, Centre for Environmental and Resource Economics, Umeå. (Forthcoming In: Kant, S. (Ed.). Post-Faustmann Forest Resource Economics Chapter 11, 2012, Springer)

Book

Löfgren, K-G. and Li, C-Z. (2011) *Green Accounting and Sustainability*, Cheltenham: Edward Elgar

Book chapters

Löfgren, K-G. and Gong, P. (2011) *Forest Taxation as Policy*, forthcoming in a handbook on Forest Taxation edited by Bob Deacon and Jason Shogren

Löfgren, K-G. and Li, C-Z. (2011) Classical Papers on Green Accounting and Sustainability, in *Green Accounting and Sustainability*, edited by Karl-Gustaf Löfgren and Chuan-Zhong Li, Cheltenham: Edward Elgar

Conferences

Löfgren, K-G, Genuine Saving and the Social Cost of Taxation, *EAERE 18th Annual Conference*, Rome, Italy, 29 June-2 July 2011

Löfgren, K-G, Economic Valuation of Tree Improvements: The Impact of Changing Harvest Behavior, *EAERE 18th Annual Conference*, Rome, Italy, 29 June-2 July 2011

Löfgren, K-G, Samhällsekonomisk analys av genetiska framsteg i svenskt jordbruk, *Swedish University of Agricultural Sciences, honorary doctoral lecture, Uppsala October 7, 2011*

Associate Professors

Lars-Fredrik Andersson

Journal article

Lindmark, M., Bergquist, A-K. and Andersson, L-F. (2011), Energy Transition, Carbon Dioxide Reduction and Output Growth in the Swedish Pulp and Paper Industry: 1973-2006. *Energy Policy* 39(9), 5449-5456

Göran Bostedt

Journal articles

Geijer, E., Bostedt, G. and Brännlund, R. (2011): Damned if you do, Damned if you don't—Reduced Climate Impact vs. Sustainable Forests in Sweden. *Resource and Energy Economics*, 33, 94-106

Håkansson, C., Bostedt, G. and Ericsson, G. (2011): Exploring Distributional Determinants of Willingness-To-Pay for Increasing Large Carnivore Stocks in Sweden. *Journal of Environmental Planning and Management*, Vol. 54, pp. 577-595

Zabel, A., Pittel, K., Bostedt, G. & Engel, S. (2011): Comparing Conventional and New Policy Approaches for Carnivore Conservation – Theoretical Results and Application to Tiger Conservation. *Environmental and Resource Economics*, Vol. 48, pp. 287-301

Reports

Jiang, X., Gong, P., Bostedt, G., and Xu J. (2011) *Impacts of Policy Measures on the Development of State-Owned Forests in Northeast China: Theoretical Results and Empirical Evidence*. Environment for Development Discussion Paper Series EfD DP 11-12, University of Gothenburg, Göteborg

Widmark, C., Bostedt, G., Andersson, M. and Sandström, C. (2011): *Measuring Transaction Cost incurred by Landowners in Multiple Land-Use Situations*. Working Report No 376, Dept. of Forest Economics, Swedish University of Agricultural Sciences, Umeå

Östberg, K., Håkansson, C., Hasselström, L. and Bostedt, G. (2011): *Benefit Transfer for Environmental Improvements in Coastal Areas: General vs. Specific Models*. Working paper 2011:2, Centre for Environmental and Resource Economics, Umeå

External activity

Grading committee member, Godwin Kofi Vondolia's Ph.D. thesis, Dept. of Economics, University of Gothenburg, May 26, 2011

Conferences

Bostedt, G. Outcomes and Determinants of Success of a Performance Payment Scheme for Carnivore Conservation. Invited paper presented at *EAERE 18th Annual Conference*, Rome, Italy, 29 June-2 July 2011

Bostedt, G. Goal Conflicts and Benefit-Cost Analysis – The Case of Sweden's National Environmental Objectives, invited paper presented at *the 4th annual conference of the Society for Benefit-Cost Analysis*, Washington DC, USA, October 2011

Tommy Lundgren

Reports

Brännlund, R., Carlén, O., Lundgren, T., and Marklund, P-O. (2011). *The Costs and Benefits of Intensive Forest Management*. Working paper 2011:12, Centre for Environmental and Resource Economics, Umeå

Brännlund, R., Lundgren, T., and Marklund, P-O., (2011) *Environmental Performance and Climate Policy*, Working paper 2011:6, Centre for Environmental and Resource Economics, Umeå

Lundgren, T. (2011) Published commentary on *Ska jag tanka etanol?* (Semida Silveira) FORES Think Tank Study 2011:1, Essays on Environmental Economics and Entrepreneurship

Lundgren, T., and Marklund P-O. (2011), *Assessing the Welfare Effects of Promoting Biomass Growth and the use of Bioenergy – A Simple Back-of-an-envelope Calculation*. Working paper 2011:11, Centre for Environmental and Resource Economics, Umeå

Book chapter

Lundgren, T. *Hållbar utveckling - Från risk till värde* (2011). Eds. L. Hassel, L-O Larsson, E. Nore. One chapter on sustainable development in Swedish industry, Studentlitteratur

External activity

Main opponent at Licenciate seminar for Anna Olsson, Luleå Technical University, May 2011. Thesis title: *Examining the competition for forest resources in Sweden using factor substitution analysis and partial equilibrium modeling*

Conference

Lundgren, T. Sustainability in Swedish industry – the role of climate policy, *MISTRA meeting* in Bilbao, May 2011

Assistant Professors

Ann-Kristin Bergquist

Journal article

Lindmark, M., Bergquist, A-L., and Andersson, L-F. (2011), Energy Transition, Carbon Dioxide Reduction and Output Growth in the Swedish Pulp and Paper Industry: 1973-2006, *Energy Policy*, 39(9): 5449-5456

Report

Bergquist, A-K., Marklund, P-O. (2011), *Erfarenheter av styrmedel på miljöområdet - en kunskaps- och forskningsöversikt* Swedish Work Environment Authority, Report 2011:14

Book chapter

Bergquist, A-K. (2011) Managing Industrial Environmental Protection – the Swedish Case 1970-1980. In: Lönnborg, M., Rytönen, R. (Ed.) *Business History in Sweden*, 438-456. Vilnius: Gidlunds Förlag

Newspaper article

Söderholm, P., Bergquist, A-K., Lindmark, M., Söderholm, K. (21 Juni, 2011) Industrins miljökrav rimliga. *Norrbottnenskuriren*, 3

External activity

The CEBC Halloran Prize in the History of Corporate Responsibility, 2011, for the conference paper "The Making of a Green Innovation System: The Swedish Institute for Water and Air Protection and the Swedish Pulp and Paper Industry from the 1960s to the 1980s

Kelly de Bruin

Journal articles

Agrawala, S., F. Bosello, C. Carraro, K.C. de Bruin, E. de Cian, R. Dellink and E. Lanzi (2011). Plan or React? Analysis of Adaptation Costs and Benefits using Integrated Assessment Models *Climate Change Economics* 2(3), pp. 175-208

de Bruin, K. C. and R. B. Dellink, (2011). How Harmful are Restrictions on Adapting to Climate Change? *Global Environmental Change* 21, pp. 34-45

Nagashima, M., H.P. Weikard, K.C. de Bruin, R.B. Dellink (2011). International Climate Agreements under Induced Technological Change *Metroeconomica* 62 (4) pp. 612-634

Reports

de Bruin, K.C., H.P. Weikard, and R.B. Dellink, *The Role of Proactive Adaptation in International Climate Change Mitigation Agreements*, Working paper 2011:9, Centre for Environmental and Resource Economics, Umeå

de Bruin, K.C., *Distinguishing Between Proactive (Stock) and Reactive (Flow) Adaptation*, Working paper 2011:8, Centre for Environmental and Resource Economics, Umeå

Conferences

de Bruin, K.C. Distinguishing between Proactive and Reactive adaptation in Integrated Assessment modelling. *International Energy Workshop*, Stanford university, 6-8 July 2011

de Bruin, K.C. The Role of Proactive Adaptation in International mitigation agreements. Game Theory Practice, *Riverside*, California, 11-12 July 2011

Jūratė Jaraitė

Journal article

Jaraitė J. and Di Maria, C. (2011) Efficiency, Productivity and Environmental Policy: A Case Study of Power Generation in the EU. *Energy Economics*, available online 8 December

Reports

Jaraitė, J. and Kažukauskas, A. (2011) The Effect of Mandatory Agro-Environmental Policy on Farm Environmental Performance. *CERE Working Papers* 2011:13

Kažukauskas, A. and Jaraitė, J. (2011) The Profitability of Power Generating Firms and Policies Promoting Renewable Energy. *CERE Working Papers* 2011:14

Conference

Did the EU ETS make a difference? *EAERE 18th Annual Conference*, Rome, Italy, 29 June-2 July 2011

Andrius Kazukauskas

Reports

Jaraite, J., and Kazukauskas, A. (2011) *The Effect of Mandatory Agro-Environmental Policy on Farm Environmental Performance*. Working paper 2011:13, Centre for Environmental and Resource Economics, Umeå

Kazukauskas, A., and Jaraite, J. (2011) *The Profitability of Power Generating Firms and Policies Promoting Renewable Energy*. Working paper 2011:14, Centre for Environmental and Resource Economics, Umeå

Kazukauskas, A., Newman, C., Clancy, D. and Sauer, J. (2011) *The Effect of Decoupled Direct Payments on Farm Exit Behaviour: Quasi-experimental Evidence from Europe*. The Institute for International Integration Studies Discussion Paper Series, IIIS

Kazukauskas A., Newman, C. and Sauer, J. (2011) *CAP Reform and Its Impact on Structural Change and Productivity Growth: A Cross Country Analysis*. Trinity Economics Papers, Department of Economics, Trinity College, Dublin.

Conferences

Presentation of “Understanding farm exit behaviour post CAP reform: a quasi-experimental approach” paper in the Irish Economic Association (IEA) conference, Limerick, Ireland

Presentation of “CAP reform and its impact on structural change and productivity growth: a cross country analysis” paper in the Irish Economic Association (IEA) conference, Limerick, Ireland

Chandra Kiran B Krishnamurthy

Journal article

Wonghee, T. H., Krishnamurthy, C. K. and Weber, Richard (2011) Concavity and Monotonicity Properties in a Groundwater Management Model, *Naval Research Logistics (NRL)* 58(7), 670-675

Conferences

The Distributional Impacts of Climate Change on Indian Agriculture: A Quantile Regression Approach, *Jan 2011, Sloan School of Management, MIT; June 2011; National Institute for Advanced Studies and The Ashoka Trust for Ecology and Environment, Bangalore, India; Jan 2012, Madras school of Economics, Madras, India*

Research stay abroad

Visiting Researcher, Madras School of Economics, Madras, India: Dec 2011-Jan 2012 (1 1/2 months)

Book

Krishnamurthy B, Chandra Kiran (2011), *Essays on Climatic Extremes, Agriculture and Natural Resource Management*. PhD thesis. New York: Columbia University

Andrea Mannberg

Journal article

Bezabih, M., Köhlin, G. and Mannberg, A., (2011) Trust, Tenure Insecurity, and Land Certification in Rural Ethiopia, *Journal of Socio-Economics*, 40(6), (2011)

Per-Olov Marklund

Journal articles

Lundberg, S. and Marklund, P-O. (2011) The Pivotal Nature of Award Methods in Green Public Procurement, *Environmental Economics* 2, 61-70

Rudholm, N., Nordmark, A. and Marklund, P-O. (2011) Does Competition Increase Economic Efficiency in Swedish County Councils?, *Advances in Management and Applied Economics* 1, 77-91

Reports

Bergquist, A-K. and Marklund, P-O. (2011) *Erfarenheter av styrmedel på miljöområdet – En kunskaps- och forskningsöversikt*, Rapport 2011:14, Arbetsmiljöverket.

Brännlund, R., Carlén, O., Lundgren, T. and Marklund, P-O. (2011) *The Costs and Benefits of Intensive Forest Management*, Working paper 2011:12, Centre for Environmental and Resource Economics, Umeå

Brännlund, R., Lundgren, T. and Marklund, P-O. (2011) *Environmental Performance and Climate Policy*, Working paper 2011:6, Centre for Environmental and Resource Economics, Umeå

Lundgren, T. and Marklund, P-O. (2011) *Assessing the Welfare Effects of Promoting Biomass Growth and the Use of Bioenergy – A Simple Back-of-an-Envelope Calculation*, Working paper 2011:11, Centre for Environmental and Resource Economics, Umeå

Fredrik Olsson Spjut

Journal article

Book review: Maths Isacson, Mats Lundmark, Cecilia Mörner, Inger Orre (red.), *Fram träder Bergslagen. Nytt ljus över en gammal region*, Bergslagsforskning III, Mälardalens högskola, IPR, 2009. *Historisk tidskrift*, 2011:5.

Report

Olsson-Spjut, F., Brandén G., Forsgren, A. and Holmström, M. (2011) *39 000 anställningar till och med 2020. En studie av rekryteringsbehovet i Västerbottens län*, Cerum Report, Nr. 26, Umeå University, Umeå

Anton Paulrud

Book chapter

Paulrud, A., Kriström, B. and Leonardsson, K. (2011) *Få stora eller många små hur värderar fiskaren fångsten*. In Persson et al, editor, *Ekologi för fiskevård*. Stockholm: Sportfiskarna

Lars Persson

Journal article

Persson, L. (Published online August 22, 2011) *Environmental Policy and Lobbying in Small Open Economies*. *Resource and Energy Economics* 34 (1), 24-35. (2012)

Andrew Zaeske

Book

Zaeske, A. L. (2011) *Macroeconomic Analyses of Efficiency and Water Use in the United States*. PhD thesis, Los Angeles: University of California

Graduate Students

Sevil Acar

Journal article

Gultekin-Karakas, D., and Acar, S. (2011) "Sectoral Transformation of Turkish Free Zones", *Journal of Economics, Business and Finance* (İktisat, İşletme ve Finans), 26 (305): 57-84.

Book chapter

Acar, S. and Edlund, J. (2011) Natural Resource Abundance - Regional Blessing or Curse?, forthcoming in the *symposium book of The First Symposium on Regional Dynamics in Development: The Strategies and Practices from Global to Local*, Denizli, Turkey, 18th November

Conferences

Acar, S., Edlund, J. (2011) Natural Resource Abundance - Regional Blessing or Curse?, presented at the *1st Nordic Winter Conference* in Hemavan, Sweden, March 2011 and *The First Symposium on Regional Dynamics in Development: The Strategies and Practices from Global to Local* in Denizli, Turkey, 18th November 2011

Acar, S. (2011) A Battle of Natural Resource Wealth and Human Development: Does Resource Type Matter?, *EAERE 18th Annual Conference*, Rome, Italy, 29 June-2 July 2011

Lindmark, M., Acar, S. (2011) Sustainability in the Making? A Historical Estimate of Swedish Sustainable and Unsustainable Development 1870-2000, presented at the *Ammarnäs Workshop*, April 2011, *NESS 2011 Conference* in Stockholm, June 2011 and the *18th Ulvön Conference on Environmental Economics* in Ulvön, Sweden, 21-23 June, 2011

Research stay

September 2010 to July 2011, Researcher at the Center for Environmental and Resource Economics (CERE), Umeå University, Sweden (awarded with a Swedish Institute scholarship)

Erik Brockwell

Research stay abroad

18th of August to the 18th of December, Visiting Scholar at the University of California, Berkeley

Catia Cialani

Conference

Genuine saving and the social cost of taxation Presented at European Association of Environmental and Resource Economists, *EAERE 18th Annual Conference*, Rome, Italy, 29 June-2 July 2011

Scott Cole

Conferences

Cole, Scott. 2011. Ex post compensation for WTE impacts at the Smøla Wind Farm: A application of Equivalency Analysis (EA). *Conference on Windpower and Wildlife*, Trondheim, Norway, May.

Cole, Scott. 2011. Scaling resource-based compensation with Equivalency Analysis: Are we restricting social welfare? Paper presented at *the Society for Benefit Cost Analysis Annual Meeting*, Washington, DC, October 21.

Erik Geijer

Journal article

Geijer, E., Bostedt, G. and Brännlund, R. (2011): Damned if you do, Damned if you don't—Reduced Climate Impact vs. Sustainable Forests in Sweden. *Resource and Energy Economics*, 33, 94-106

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Is Stump Harvesting a Remedy for the Climate Crisis or a Curse for Biodiversity? An Interdisciplinary Study of Conflicting Goals. *EAERE 18th Annual Conference, Rome, Italy, 29 June-2 July 2011*

Katarina Östberg

Reports

Östberg, K., Håkansson, C., Hasselström, L., Bostedt, G. (2011) *Benefit Transfer for Environmental Improvements in Coastal areas: General vs. Specific Models*. Department of Economics, Umeå University, Umeå, Sweden. Working paper 2011:2, Centre for Environmental and Resource Economics, Umeå

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