

# Curriculum Vitae

Professor Michael FINUS

## **Office**

Department of Economics  
Karl-Franzens University of Graz  
Universitätstrasse 15  
8010 Graz

AUSTRIA

Tel:

E-Mail: [Michael.Finus@uni-graz.at](mailto:Michael.Finus@uni-graz.at)

**Nationality: German**

**Languages: English (fluent) and German (native tongue)**

## **Education**

Habilitation, Economics, University of Hagen, Germany, 2005 (venia legendi in Economics)

Ph.D., Economics, University of Hagen, Germany, 2000 (summa cum laude, first honours)

Advanced Studies Certificate in International Policy Research, Institute of World Economics, Kiel, Germany, 1993

Master, Agricultural Economics, (Diplom-Ing.-Agrarwissenschaften) University of Giessen, Germany, 1992 (first honours: 1.3)

## **Appointments**

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|--------------|---|
| 2018-present | Professor in Climate and Environmental Economics, University of Graz, Austria; Deputy Head of Department; Chair of the Faculty PhD Curriculum Commission since Oct. 2019; PI Climate Change Graz; Honorary Professor, University of Bath, UK since 2018 |
| 2012-2018    | Chair in Environmental Economics, University of Bath, UK  |
| 2014-2017    | Head of Department  |
| 2013-2014    | Director of Research  |
| 2009-2011    | Associate Professor in Economics of Climate Change, University of Exeter, UK  |
| 2007-2009    | Senior Lecturer, University of Stirling, Scotland; Director of two new Master Programmes in “Environmental Finance” and in “Energy Management”  |
| 2005-2007:   | Associate Professor in Economics (“Privatdozent”), University of Hagen, Germany   |
| 2006:        | Visiting Fellow (6 months), National University of Singapore (on leave from University of Hagen)  |
| 2000-2005:   | Assistant Professor in Economics (“Wissenschaftlicher Assistent”), University of Hagen, Germany   |
| 1994-2000:   | Research Associate in Economics (“Wissenschaftlicher Mitarbeiter”), University of Hagen, Germany  |
| 1989-91:     | Research Assistant, Department of Agricultural Policy and Market Research, University of Giessen, Germany   |
| 1988-89:     | Project Assistant (nine months), Agriculture and Nutrition Department, BASF Ireland Ltd., Dublin, Ireland   |

## **Teaching**

### **Teaching Interests**

Environmental and Resource Economics, Microeconomics, Public Economics, Public Choice, Game Theory, Industrial Organization and Institutional Economics.

### **Teaching Experience**

#### **University of Graz, Austria (2018-present)**

Autumn 2022: Environmental Economics (320.383), Bachelor, 1 lecture/tutorial per week; Environmental Economics (320.783), Master, seminar, 1 session per week; Economics of the Environment (320.387) Bachelor, dissertation supervision; Doctoral Colloquium (320.540, 320.545 &

320.550), 1 session per week, shared with Karl Steininger; Research Seminar (320.526/531), PhD programme, 1 seminar per week, shared with Ronald Wendner.

Spring 2022: Environmental and Resource Economics (320.780), Master, 1 lecture and 1 tutorial per week; Doctoral Colloquium (320.541/546/551), 1 seminar per week, shared with Jörn Kleinert; Research Seminar (320.526/531), PhD programme, 1 seminar per week, shared with Jörn Kleinert; Microeconomics (320.110), Bachelor, 1 lecture/tutorial per week.

Autumn 2021: Environmental Economics (320.383), Bachelor, 1 lecture/tutorial per week; Environmental Economics (320.783), Master, seminar, 1 session per week; Economics of the Environment (320.387) Bachelor, dissertation supervision; Doctoral Colloquium (320.540, 320.545 & 320.550), 1 session per week, shared with Karl Steininger.

Spring 2021: Environmental and Resource Economics (320.780), Master, 1 lecture and 1 tutorial per week; Economics of the Environment (320.387), Bachelor, dissertation supervision, shared with Gabriel Bachner; Economic Modelling (320.517 & 320.518), PhD programme, 1 lecture and 1 seminar per week.

Autumn 2020: Environmental Economics (320.383), Bachelor, 1 lecture/tutorial per week, Environmental Economics (320.783), Master, seminar, 1 session per week; Economics of the Environment (320.387) and Public and Institutional Economics (322.363), Bachelor, dissertation supervision.

Spring 2020: Environmental and Resource Economics (320.780), Master, 1 lecture and 1 tutorial per week; Economics of the Environment (320.387), Bachelor, dissertation supervision, shared with Gabriel Bachner; Economic Modelling (320.517 & 320.518), PhD programme, 1 lecture and 1 seminar per week.

Autumn 2019: Environmental Economics (320.383), Bachelor, 1 lecture/tutorial per week, Environmental Economics (320.783), Master, seminar, 1 session per week; Economics of the Environment (320.387), Bachelor, dissertation supervision.

Spring 2019, Environmental and Resource Economics (320.780), Master, 1 lecture and 1 tutorial per week; Economics of the Environment (320.387), Bachelor, dissertation supervision, shared with Gabriel Bachner; PhD Research Seminar (320.115), shared with Jörn Kleinert; Economic Modelling (320.517 & 320.518), PhD programme, 1 lecture and 1 seminar per week.

Autumn 2018, Environmental Economics (320.383), Bachelor, 1 lecture/tutorial per week), Environmental Economics (320.783), Master, seminar, 1 session per week.

Spring 2018, Environmental and Resource Economics (320.780), Master, 1 lecture and 1 tutorial per week.

Supervision PhD students: Viktoria Rohrer since December 2018; Valeriia Chukaeva since February 2021. External Examiner of PhD dissertation: Irina Bakalova, University of Leuven, 2019; Miriam Jafroudi, University of Tilburg, 2020, Di Mu, University of Exeter, 2022.

### **University of Autonomia, Madrid Spain (Spring 2018)**

Industrial Economics - An International Approach. Master in International Economics (2 lectures per week, course and examination shared with Felix Munoz).

### **University of Bath, UK (2012-2018)**

Autumn 2012 & 2013: ES10010 "Introductory Economics and ES 10001 "Introductory Microeconomics" (2 lectures per week, course and examination shared with John Sessions).

Spring 2012, 2013, 2014, 2015: ES30032 "Natural Resource and Energy Economics" (2 lectures and one tutorial per week)

Spring 2012, 2014, 2015: ES50059 "Environmental Valuation & Resource Economics" (2 lectures per week).

Supervision of PhD students: Alaa Khouardajie 2013-2017; Vahakn Kabakia (part-time) since March 2012, Leyla Sayin 2013-2020 and Noha Nagi Elboghdadly 2015-2020. MPil: Mugdha Malik 2014 and Samuel Samson, MPhil, University of Exeter, 2016. External Examiner of PhD dissertations: Pricilla

Marimo (University of Exeter) in 2014, Stine Aakre (University of Oslo) in 2015, Chung-Fung Chen, Department of Politics and Languages (University of Bath) in 2015, Adam Walker (University of Wageningen) in 2016 and Yuhu Zeng (Free University of Amsterdam) in 2016.

### **University of Exeter, UK (2009-2011)**

Autumn 2011: BEE3047 “Public Economics I” (2 lectures and one tutorial per week), Contribution to BEM 3016 “The Business of Climate Change” (1 lecture), BEMM807 “Economics for a Sustainable World” (3 lectures per week), course and examination shared with Robin Mason.

Spring 2011: BEE 3048 “Public Economics II” (2 lectures and one tutorial per week).

Autumn 2010: BEE2024 “Economic Principles and Policy” (2 lectures per week); Contribution to BEM 3016 “The Business of Climate Change” (2 lectures), BEMM734 “Business Economics” (One Planet MBA; 3 lectures per week) and BEMM703 “Understanding the Global Economy” (Modular MBA; 4 days) course and examination shared with Robin Mason.

Spring 2010: BEE 3048 “Public Economics II” (2 lectures and 1 tutorial per week); BEE2021 “Policy Issues on the Global Economy” (2 lectures and 1 tutorial per week), course and examination shared with other staff members.

Autumn 2009: BEE2016 “Intermediate Microeconomics” (2 lectures per week) course and examination shared with Christos Kotsogiannis; Contribution to BEM 3016 “The Business of Climate Change” (1 lecture).

External examiner of the PhD dissertations of Miyuki Nagashima, Department of Social Sciences, University of Wageningen, The Netherlands (viva March 2010); 2<sup>nd</sup> supervisor of the PhD thesis of Raoul Schneider, Department of Economics, University of Ulm, Germany (viva July 2011, summa cum laude); supervision of 8 Master dissertations between Sep. 2009-Dec. 2011.

### **University of Stirling, UK (2007-2009)**

Spring 2009: ECN3NV “Environmental Economics” (2 lectures and one tutorial per week), course and examination shared with other staff members; ECN112 “Introductory Macroeconomics” (2 tutorials per week).

Autumn 2007, 2008, 2009: ECN311 “Advanced Microeconomics” (3 lectures and 3 tutorials per week), course and examination shared with Frans de Vries.

Autumn 2008: ECN111 “Introductory Microeconomics” (3 tutorials per week).

Autumn 2007: ECN3T “Topics in Applied Economics” (4 lectures and 4 tutorials), course and examination shared with other staff members.

Spring 2008: 4 lectures in the Scottish Doctoral Programme & Master’s Degree in Economics.

Supervision of two MSc dissertations in the Scottish Doctoral Programme & Master’s Degree in Economics; external referee of the PhD thesis of Yulia Pavlova, Department of Mathematical Information Technology, University of Jyväskylä, Finland (viva December 2008).

### **University of Hagen, Germany (1993-2007)**

Teaching, conducting seminars, examination and supervision of master dissertations (more than 90 dissertations; 2005: 30, 2006: 25, 2007: 8) in the position as Research Associate (1993-2000), Assistant Professor (2000-2005) and Associate Professor (2006-2007) in the field of environmental & resource economics, general economics and economic theory; teaching in the interdisciplinary programme “Umweltwissenschaften infernum” (University of Hagen and Fraunhofer Institute); supervision of the Ph.D. thesis of Juan Carlos Altamirano-Cabrera at the University of Wageningen, The Netherlands, 2002-2007 (viva 2007, first honors).

### **National University of Singapore (2006)**

Teaching (2006, one semester) the undergraduate course EC3383 “Environmental Economics” (including 4 tutorials per week) and the graduate course EC5383 “Economics of the Environment”, including examination.

### **University of Wageningen, The Netherlands (2000-2001)**

Part-time teaching "Environmental Economics I" (undergraduate) with focus on policy instruments and "Environmental Economics III" (graduate) with focus on international environmental problems, including examination (shared with other staff members).

### **University of Lüneburg, Germany (1994-1999)**

Part-time teaching (4 days per annum) on the Graduate Programme of "Higher Education" in the field of environmental economics, including examination.

### **Summer Schools/Guest Lectures**

4 (online) Guest Lectures on "Game-theoretic Analyses of International Climate Agreements", 6<sup>th</sup> -7<sup>th</sup> July, 2021, Xiamen University, China.

Lectures on "Climate Change Negotiations", European Summer School in Resource and Environmental Economics organized by the European Association of Environmental and Resource Economists (EAERE) and Fondazione Eni Enrico Mattei (FEEM) in Venice, Italy (July 2010)

Lectures on "Game Theoretic Analyses of International Environmental Agreements", Ph.D. programme, Venice International University, Italy (May 2004), including examination

Lectures on "Game Theory and the Environment", International Summer School organized by the Institute of Mathematics and Game Theory, University of Genoa and Fondazione Eni Enrico Mattei (FEEM) in Lavagna, Italy (September 2002)

Lectures on "Game Theory and Coalition Formation in International Pollution Control", Ph.D. programme "Environmental and Resource Economics", University of Heidelberg, Germany (November 2002)

Lectures on "The International Dimension of Environmental Economics", European Summer School in Resource and Environmental Economics organized by the European Association of Environmental and Resource Economists (EAERE) and Fondazione Eni Enrico Mattei (FEEM) in Venice, Italy (July 2000)

## **Research**

### **Research Interests**

Environmental and Resource Economics, International Environmental Agreements, Institutional Economics, Public Economics, Public Choice and Game Theory.

### **Research Visits**

2023	University of Bath (2 weeks), University of Hamburg (2 weeks)
2022-23	University Gustave Eiffel (1 month)
2018	Université Paris-Est, Marne-la-Vallée, Paris (2 weeks)
2018	Department of Economic Theory, University of Autònoma, Madrid (3 months)
2017	Institute of Public Policy, Madrid (2 weeks) and INRA, Paris, (1 week)
2016	Institute of Public Policy, Madrid (2 weeks) and University Dauphine, Paris (1 week)
2014	Institute of Public Policy, Madrid (1 week) and University Dauphine, Paris (1 week)
2013	Institute of Public Policy, Madrid (2 weeks plus 1 week), University Dauphine, Paris (1 month), Institute Henri Poincaré, Paris, (1 month)
2011:	Department of Economics, University of Bordeaux, France (1 month)
2010:	Smith School, University of Oxford, UK (1 week)
2007:	Department of Economics, University of Algarve, Faro, Portugal (3 weeks)

- 2004: Department of Economics, University of Leuven, Belgium (3 months) and Fondazione Eni Enrico Mattei (FEEM), Venice, Italy (2 weeks)
- 2000-2001: Department of Social Sciences, University Wageningen, The Netherlands (3 months)
- 1997: Department of Economics, University of Bergen, Norway (2 months)

### **Referee (since 2000)**

**Journals (173 reviews):** American Economic Review (1), Review of Economic Studies (1), The Economic Journal (1), Journal of Economic Literature (1), Oxford Economic Papers (7), Journal of Political Economy (1), European Economic Review (8), Journal of the European Economic Association (1), Journal of Economic Behavior and Organization (2), Games and Economic Behavior (3), Public Choice (2), Journal of Public Economics (11), Rand Journal (2), Journal of International Economics (1), Scandinavian Journal of Economics (2), Journal of Risk and Uncertainty (1), Economica (1), Journal of Public Economic Theory (5), Economic Letters (1), European Journal of Political Economy (5), Journal of Institutional and Theoretical Economics (2), International Tax and Public Finance (1), Scottish Journal of Political Economy (1), European Journal of Operational Research (1), Theory and Decision (1), Review of Economic Design (2), Central European Journal of Operations Research (1), Annals of Operations Research (1), Games (1), Journal of Applied Economics (1), Economic Modeling (1), Review of International Organisations (2), B.E. Journal of Economic Analysis & Policy (1), Research in Economics (1), Economics Research International (1), Contemporary Economic Policy (1), Portugese Economic Journal (1), Journal of Behavioral and Experimental Economics (1), Economics Bulletin (1), Jahrbücher für Nationalökonomie und Statistik (1), Journal of Environmental Economics and Management (22), Journal of the Association of Environmental and Resource Economists (2) Environment and Development Economics (5), Ecological Economics (3), Energy Economics (3), Resource and Energy Economics (4), Environmental and Resource Economics (31), Natural Resource Modeling (2), Letters in Spatial and Resource Sciences (2), Journal of Environmental Management (1), Journal of Environmental Economics and Policy Studies (2), Energy Journal (The International Journal) (1), Strategic Behavior and the Environment (2), International Environmental Agreements (4), International Review of Environmental and Resource Economics (2), Ecological Economics Review (1), Climate Policy (2), Zeitschrift für angewandte Umweltforschung (1), Political Studies (1), Political Sciences (1), European Union Politics (1), British Journal of Political Science (1).

**Books:** International Yearbook of Environmental and Resource Economics (2 articles), Edward Elgar (1 article), MIT (1 book), Cambridge University Press (2 books).

**Research Proposals:** ESRC (2 reports), Research Council of Canada (3 proposals), CliSAP, University of Hamburg (1 proposal), Academy of Finland (1 proposal), Ministry of Education and Research" Germany (10 proposals), French Foundation for Research on Biodiversity (1 proposal), Portugese Foundation for Science and Technology (1 proposal), Leverhume Trust (2), Netherlands Research Council NOW (1 proposal), VW-Stiftung (23 proposals), DFG (5 proposals) and SEEK, ZEW Mannheim (1 proposal), First Order Draft (FOD) of the Working Group III (WGIII) Contribution to the IPCC Sixth Assessment Report (AR6).

### **Scientific & Appointment Committees/Board Membership/Editorship/Conference Organisation**

**External:** Member of the Scientific Panel of various conferences of the Association of Environmental and Resource Economists: Southampton, 2001, Bremen, 2005, Kyoto 2006 (World Congress), Thessaloniki 2007, Amsterdam 2009, Rom 2011, Prague 2012, Toulouse 2013, Istanbul 2014 (World Congress), Zurich 2016, Athens 2017, Gothenburg 2018 (World Congress), Berlin 2020 & 2021, Rimini 2022; co-chair of scientific programme committee of the conference in Manchester in 2019; member of the Erik Kempe Prize Nomination Committee 2006-7; Member of the Scientific Panel of various

conferences of the Spanish-Portugese Association of Environmental and Resource Economists (AERENA): 2018 Madrid, 2021 Leida, Barcelona 2022. Member of the organisation committee for the Conference Game Theory and Practice, 2011, California, Riverside; member of the Editorial Board of Letters in Spatial and Resource Sciences (2007-2017) and Co-Editor of Environmental and Resource Economics (since 03/2012); lead-author of the IPCC Report 2014, Working Group III (2011-2014); external evaluator for two high level professorships, Department of Geography, King's College, London, May 2013. Selection Committee of the Joachim Herz Foundation the Research Prize "Best Contribution" (Junior Researcher) and "Best Lifetime Achievement" (Senior Researcher) in Environmental Economics 2022.

**Internal:** University of Stirling: SIRE Lectureship Search and Appointment Committee 2007; organisation of the Scottish wide SIRE-Young Research Forums 2008 at Stirling; University of Exeter: organisation of the "Environmental Protection and Sustainability Forum", April 2011; University of Bath: organisation of the workshop "New Developments in the Theory of International Environmental Agreements", ZEW, Mannheim and University of Bath, 27<sup>th</sup>-28<sup>th</sup> March 2014; organisation of the 2<sup>nd</sup> "Environmental Protection and Sustainability Forum", 9<sup>th</sup>-11<sup>th</sup> April 2015; Member of the Policy Science Steering Group, Institute of Policy Research and co-convenor of the theme "Environment & Sustainability (together with C. Almer and P. Cooper 2013-2015); Member of the Board of the Institute for Sustainability Energy and the Environment (ISEE) 2014-2018; member of recruitment committee for numerous posts; 2017: chairing the recruitment committee for 3 Professors and 5 Senior Lectures/Associate Professors. University of Graz: member of recruitment committees for 2 Professors in 2019 and one Professor 2021-22; PI of Cluster of Excellence "Climate Change"; member of EconClim Wegener Center; organisation of the 3<sup>rd</sup> "Environmental Protection and Sustainability Forum", 27<sup>th</sup>-30<sup>th</sup> September 2022; PhD Workshop AURÖ, 25<sup>th</sup>-26<sup>th</sup> September 2022; lead organizer of the EAERE Summer School 2021-2025.

## Membership in Learned Societies

Member of the Scientific Society of German-speaking Environmental and Resource Economists (requirement for membership: proposal by members, scientific presentation, approval by members); 2008-2010 President-Elect of this Society (2010-2012, Past-President-Elect); member of the Association of German-speaking Economists (Verein für Socialpolitik), the European Association of Environmental and Resource Economists and the Spanish-Portugese Association of Resource and Environmental Economics.

## Scholarships/Prizes/Fellowships/Visiting Professorships

2022-23	"Visiting Professor", University Gustave Eiffel (1 month)
2018	"Chercheur et chercheur invité 2018", Université Paris-Est, Marne-la-Vallée, Paris (2 weeks)
2018	"Visiting Professor", University of Autonomia, Madrid, Spain (3 months)
2014	Best Paper Award received from the Spanish and Portugese Association of Environmental and Resource Economists for 2012-13. Shortlisted for the Best Paper Award of the Journal "Environmental and Resource Economics" in 2013.
2013	"Visiting Professor", University Dauphine (1 month) "Visiting Professor", Institute Henri Poincaré, Paris (1 month)
2010-2015	"Research Associate", ZEW, Mannheim, Germany
2011	"Visiting Professor", University of Bordeaux, France (1 month)
2010/11	"Visiting Fellow" Smith School, University of Oxford
2001	"Research Prize for Outstanding Doctoral Dissertation and Research", University of Hagen
1997-1999	Three "Travel Grants" for young researchers by the "German Economic Association"

- 1997 "Ruhrgas Visiting Fellowship", Department of Economics, University of Bergen (two months)
- 1992-1993 "Tuition Scholarship" for the Advanced Studies Program in International Policy Research, Institute of World Economics, Kiel

### **Commissioned Studies/Funded Research Projects**

Aster Housing Association Climate Change Risk and Cost Diagnosis, joint project with 4 partners (£89,134, Bath: £14,962, PI), May 2014-March 2015.

University of Bath 2014: International Research Partnership Scheme £10,000; Faculty Support Funding Scheme £10,000 (together with C. Almer and P. Cooper).

EU-FP7, GLAMURS (Green Lifestyles, Alternative Models and Upscaling Regional Sustainability; 5 million Euro, Bath: 530.000 Euro, PI) consortium, January 2014 - December 2016.

EU-FP7, ECONADAPT (Economics of climate change adaptation in Europe; 5 million Euro, my buyout-time: £45.000) consortium, Oct. 2013-Oct. 2016)

"Mike Ashworth PhD studentship" for 3 years (£72,000) Nov. 2013-Nov. 2016.

Prize Fellowship (for a postdoctoral researcher) for 3 years (estimated worth £180,000) from the University of Bath in 2012.

Seedcorn Funding from the University of Exeter Business School for the Environmental Protection and Sustainability Forum, April 2011 (£23,500) and two smaller projects in 2011 (£2,000).

Expert Report on "The Low Carbon Economy in the Context of the Devon Economy", Scientist's Reports 129 and 130, 2010, together with D. Lash, A.D.S. Norton and J. Colmer, (Business School's share £10.000)

Expert Report on "Perspectives of Economic Research on Climate Change" for the "Ministry of Education and Research" in Germany, 2009, 5.000 Euro.

Research Project on "Transfer and Abatement Allocation Schemes in International Environmental Agreements on Climate Change: An Economic and Game Theoretical Inquiry", funded by the University of Wageningen (year: 2002-2006, duration: 4 years, project coordination with Prof. Ekko van Ierland), 250.000 Euro.

Contributions to CLIMNEG 2 Research Project, funded by the Belgian Federal Science Policy Office, contract CP/01/241, (year: 2004, duration: 3 months, together with Prof. Stef Proost and Dr. Johan Eyckman), 20.000 Euro.

Study on "Approaches to Foster International Environmental Agreements to Combat Global Pollution" for the "Advisory Board of the German Government on Global Warming" (year: 2000, duration: four months; co-author: Prof. Alfred Endres), 15.000 Euro.

Study on "The Level of Environmental Policy in the Presence of Interest Groups" for the Institute of World Economics, Kiel, Germany (year: 1995, duration: 6 months, co-author: Prof. Alfred Endres), 15.000 Euro.

Research Project on "Cooperative Solutions for International Environmental Problems: An Economic Analysis with Special Consideration of Interest Groups", grant number II 69 982, funded by the Volkswagen-Foundation, Germany (year: 1994-1998, duration: 4 years, project coordinator: Prof. Alfred Endres), 150.000 Euro.

Study on "Environmental Indicators in the Agricultural Sector" for the Central Statistical Bureau of Germany (year: 1992, duration: 3 months, project coordinator: Prof. Roland Herrmann) 10.000 Euro.



## Publications

### Monographs

- 1) Der Reisekostenansatz – Darstellung, methodische Probleme und Anwendungsmöglichkeiten.<sup>1</sup> "Materialien des Zentrums für regionale Entwicklungsforschung der Justus-Liebig-Universität Gießen", vol. 24, Gießen, 1992.
- 2) Modellstudie zu umweltrelevanten Informationen aus der Agrarstatistik.<sup>2</sup> "Studien des Zentrums für regionale Entwicklungsforschung der Justus-Liebig-Universität Gießen", Gießen, 1994 (with G. Correll, C. Hagner and R. Herrmann).
- 3) Game Theory and International Environmental Cooperation. Edward Elgar, Cheltenham, UK, 2001.
- 4) The Economics of International Environmental Problems. Interdisciplinary Course „Umweltwissenschaften infernum“. Edited in collaboration between „Fraunhofer Institute Umwelt-, Sicherheits- und Energietechnik (UMSICHT)“ and University of Hagen, 2002 (with A. Endres).
- 5) Umweltökonomie: Arbeits- und Übungsbuch.<sup>3</sup> Kohlhammer, Stuttgart, 2007 (with A. Endres, R. Bertram and B. Rundshagen).
- 6) Expert Report on "The Low Carbon Economy in the Context of the Devon Economy", Scientist's Reports 129 and 130, 2010, (with D. Lash, A.D.S. Norton and J. Colmer).

### Contributions to Monographs

- 1) Umweltpolitische Zielbestimmung im Spannungsfeld gesellschaftlicher Interessengruppen: Ökonomische Theorie und Empirie.<sup>4</sup> In: Siebert, H. (ed.), Elemente einer rationalen Umweltpolitik. Expertisen zur umweltpolitischen Neuorientierung. J.C.B. Mohr, Tübingen, 1996, pp. 35-133 (with A. Endres).
- 2) The Role of Environmental Awareness in International Pollution Control – An Economic Analysis. In: Kaufmann-Hayoz, R. and U. Haefeli (eds.), Ökologisierungprozesse in Wirtschaft und Verwaltung, No. 3/4, Proceedings of the Symposium "Responsible Environmental Behavior", September 4-6, 1996, Bern, 1997, pp. 74-82 (with A. Endres).
- 3) Eine spieltheoretische Betrachtung internationaler Umweltprobleme: Eine Einführung.<sup>5</sup> In: Hampicke, U. and H. Nutzinger (eds.), Jahrbuch "Ökonomie und Gesellschaft", No. 14: Nachhaltigkeit in der ökonomischen Theorie, Campus, Frankfurt et al., 1998, ch. 9, pp. 239-300.
- 4) Renegotiation-Proof Equilibria in a Bargaining Game over Global Emission Reductions – Does the Instrumental Framework Matter? In: Hanley, N. and H. Folmer (eds.), Game Theory and the Global Environment, Edward Elgar, Cheltenham, UK, 1998, ch. 7, pp. 135-164 (with A. Endres).
- 5) Warum haben marktwirtschaftliche Instrumente im internationalen Umweltschutz kaum eine Chance?<sup>6</sup> In: Rengeling, H.-W. and H. Hof (eds.), Instrumente des Umweltschutzes im Wirkungsverbund. Nomos, Baden-Baden, 2001, pp. 309-325 (with A. Endres).
- 6) EOLSS-Level Writing in Financial Resource Policy and Management: Strategic Aspects of Implementing the International Agreement on Climate Change. In: Tolba, M.K. (ed.), Our Fragile

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<sup>1</sup> Translation: The Travel-Cost Approach: Technique, Methodological Problems and Possibilities of Application.

<sup>2</sup> Translation: Study on Environmental Indicators in the Agricultural Sector.

<sup>3</sup> Translation: Environmental Economics: Self-study and Exercise Book.

<sup>4</sup> Translation: Determining the Level of Environmental Protection in the Presence of Interest Groups: Economic Theory and Empirical Evidence.

<sup>5</sup> Translation: A Game-Theoretic Approach to International Environmental Problems: An Introduction.

<sup>6</sup> Translation: Why are Market-based Instruments Not Applied in International Environmental Protection?

- World: Challenges and Opportunities for Sustainable Development, Vol. II, Eolss Publishers, Oxford, 2001, pp. 2075-2088 (with A. Endres and B. Rundshagen).
- 7) Game Theory and International Environmental Cooperation: Any Practical Application? In: Böhringer, C., M. Finus and C. Vogt (eds.), Controlling Global Warming: Perspectives from Economics, Game Theory and Public Choice. Edward Elgar, Cheltenham, UK, 2002, ch. 2, pp. 9-104.
- 8) Stability and Design of International Environmental Agreements: The Case of Transboundary Pollution. In: Folmer, H. and T. Tietenberg (eds.), International Yearbook of Environmental and Resource Economics, 2003/4, Edward Elgar, Cheltenham, UK, 2003, ch. 3, pp. 82-158.
- 9) New Developments in Coalition Theory: An Application to the Case of Global Pollution. In: Marsiliani, L., M. Rauscher and C. Withagen (eds.), Environmental Policy in an International Perspective, Kluwer Academic Publishers, Dordrecht, Holland, 2003, pp. 19-49.
- 10) Endogenous Coalition Formation in Global Pollution Control: A Partition Function Approach. In: Carraro, C. (ed.), The Endogenous Formation of Economic Coalitions, Edward Elgar, Cheltenham, UK, 2003, ch. 6, pp. 199-243 (with B. Rundshagen).
- 11) International Cooperation to Resolve International Pollution Problems. In: Welfare Economics of Sustainable Development from Encyclopedia of Life Support Systems (EOLSS), Developed under the Auspices of the UNESCO, EOLSS Publishers, Oxford, UK, 2004, ch. 1.21.4.3.
- 12) The Kyoto Protocol: Success or Failure? In: Helm, D. (ed.), Climate-change Policy, Oxford Economic Press, Oxford, UK, 2005, ch. 12, pp. 253-281 (with C. Böhringer).
- 13) Environmental Economics: How to Reach Agreement? In: Hagedorn, K., U.J. Nagel and M. Odening (eds.), Umwelt- und Produktqualität im Agrarbereich, Schriften der Gesellschaft für Wirtschafts- und Sozialwissenschaften des Landbaus e.V., vol. 40, 2005, pp. 27-47 (with E.C. van Ierland and R. Dellink).
- 14) Possibilities for Cooperation in International Pollution Control. In: Cogoy, M. and K.W. Steininger (eds.), The Economics of Global Environmental Change – International Cooperation for Sustainability, Edward Elgar, Cheltenham, UK, 2007, ch. 6, pp. 157-195.
- 15) Transfer Schemes and Institutional Changes for Sustainable Global Climate Treaties. In: Guesnerie, R. and H. Tulkens (eds.), The Design of Climate Policy, MIT Press, Cambridge, MA, 2009, pp. 103-135 (with J. Eyckmans).
- 16) Formation of Agreements on Climate Change: The Impact of Uncertainty. In: Panagopoulos, T. (ed.), Advances in Climate Changes, Global Warming, Biological Problems and Natural Hazards, WSEAS Press, 2010, pp. 124-129 (with P. Pintassilgo).
- 17) Formation of Climate Agreements: The Role of Uncertainty and Learning. In: Todd L. Cherry, Jon Hovi, David M. McEvoy (eds), Toward a New Climate Agreement, Conflict, Resolution and Governance, 2014, ch. 3, pp. 29-43.
- 18) International Cooperation: Agreements and Instruments. Chapter 13, in: Climate Change 2014: Mitigation of Climate Change. Contribution of Working Group III to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change [Edenhofer, O., R. Pichs-Madruga, Y. Sokona, E. Farahani, S. Kadner, K. Seyboth, A. Adler, I. Baum, S. Brunner, P. Eickemeier, B. Kriemann, J. Savolainen, S. Schlömer, C. von Stechow, T. Zwickel and J.C. Minx (eds.)]. Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA (with: Stavins R., J. Zou, T. Brewer, M. Conte Grand, M. den Elzen, J. Gupta, N. Höhne, M.-K. Lee, A. Michaelowa, M. Paterson, K. Ramakrishna, G. Wen, J. Wiener, and H. Winkler.)
- 19) On the Uniqueness of Coalitional Equilibria. In: Contributions to Game Theory and Management. Volume VII, 2014, pp. 51-60. Editors: L. Petrosjan, N. Zenkevich. St. Petersburg State University. ISSN 2310-2608 (with Pierre von Mouche and Bianca Rundshagen)
- 20) Introduction. In: Finus, M. and A. Caparrós, Handbook on “Game Theory and International Environmental Cooperation: Essential Readings“, Edward Elgar, 2015, pp. xvii-xliv (with A. Caparrós).

- 21) Border Carbon Adjustment: Eine spieltheoretische Betrachtung. In: Kirchengast, G., Schnedel, G., Schulev-Steindl and Steininger, K. (eds.) CO<sub>2</sub>- und Umweltsteuern. Wege zu einer umwelt-, sozial- und wirtschaftsgerechten Steuerreform. Wien, Köln, Weimar, Böhlau Verlag 2020, pp. 215-235 (with E. Wretschisch).

## Edited and Co-edited Work

- 1) Controlling Global Warming: Perspectives from Economics, Game Theory and Public Choice. Edward Elgar, Cheltenham, UK, 2002 (with C. Böhringer and C. Vogt).
- 2) The International Dimension of Climate Change Policy. Special Issue: Environmental and Resource Economics, 2013, vol. 56, issue 2 (with C. Kotsogiannis and S. McCorriston).
- 3) International Coordination on Climate Policies. Special Issue: Journal of Environmental Economics and Management, 2013, vol. 66, issue 2 (with C. Kotsogiannis and S. McCorriston).
- 4) Handbook on “Game Theory and International Environmental Cooperation: Essential Readings“ together with Alejandro Caparrós, Edward Elgar, 2015
- 5) Special Issue “Game Theory and Environmental and Resource Economics in Honour of Alfred Endres (Part I, 2015, vol. 63, issue 4 and part II 2016, vol. 65, issue 1)”, Environmental and Resource Economics (with Bianca Rundshagen).
- 6) Special Issue “Transnational Environmental Protection”, Oxford Economic Papers, vol. 69 (2), 2017 (with Philip Cooper and Christian Almer).
- 7) Special Issue “Economics of the Environment in the Shadow of Coronavirus”, Environmental and Resource Economics”, vol. 76, 2020 (with Ian J. Bateman, Astrid Dannenberg, Rob Elliott, Michael Finus, Phoebe Koundouri, Katti Millock, Alistair Munro, Elizabeth J Z Robinson, Daniel Rondeau, Ingmar Schumacher, Eric Stobl and Tasos Xepapadeas).

## Journal Articles

- 1) Ansätze zur Messung des Wertes von Umweltgütern in der Landwirtschaft – Methodische Grundlagen.<sup>7</sup> Agrarwirtschaft, vol. 41, 1992, pp. 367-374.
- 2) Zur Neuen Politischen Ökonomie der Umweltgesetzgebung – Umweltschutzzinstrumente im politischen Prozeß.<sup>8</sup> Zeitschrift für angewandte Umweltforschung (ZAU), vol. 8, 1996, pp. 88-103 (with A. Endres).
- 3) Playing a Better Global Warming Game: Does it Help to be Green? Swiss Journal of Economics and Statistics, vol. 134, 1998, pp. 21-40 (with A. Endres).
- 4) Renegotiation-Proof Equilibria in a Global Emission Game When Players Are Impatient. Environmental and Resource Economics, vol. 12, 1998, pp. 275-306 (with B. Rundshagen).
- 5) Toward a Positive Theory of Coalition Formation and Endogenous Instrumental Choice in Global Pollution Control. Public Choice, vol. 96, 1998, pp. 145-186 (with B. Rundshagen).
- 6) International Environmental Agreements: How the Policy Instrument Affects Equilibrium Emissions and Welfare. Journal of Institutional and Theoretical Economics, vol. 155, 1999, pp. 527-550 (with A. Endres).
- 7) Symbolische Umweltpolitik im Zeitalter der Globalisierung – Zur Effektivität internationaler Umweltverträge aus ökonomischer Sicht.<sup>9</sup> Perspektiven der Wirtschaftspolitik, vol. 1, 2000, pp. 73-91 (with A. Endres and F. Lobigs).

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<sup>7</sup> Translation: Methods to Evaluate Environmental Commodities in Rural Areas – Methodological Fundamentals.

<sup>8</sup> Translation: A Public Choice View of Environmental Legislation – Environmental Policy Instruments in the Political Arena.

- 8) Kooperative Lösung in der Umweltpolitik: Eine ökonomische Analyse am Beispiel des Schutzes der Globalen Umweltressourcen. Study ("Ansätze zur Herbeiführung von Verhandlungslösungen im Bereich der globalen Umweltpolitik")<sup>10</sup> for the Advisory Body "Global Environmental Change" to the German Government. Zeitschrift für angewandte Umweltforschung (ZAU), special edition 12/2000 (with A. Endres).
- 9) Warum haben marktwirtschaftliche Instrumente im internationalen Umweltschutz kaum eine Chance?<sup>11</sup> Konjunkturpolitik, vol. 46, 2000, pp. 303-326 (with A. Endres).
- 10) Quotas May Beat Taxes in a Global Emission Game. International Tax and Public Finance, vol. 9, 2002, pp. 687-707 (with A. Endres).
- 11) The Oslo Protocol on Sulfur Reduction: The Great Leap Forward? Journal of Public Economics, vol. 87, 2003, pp. 2031-2048 (with S. Tjøtta).
- 12) The Effect of Membership Rules and Voting Schemes on the Success of International Climate Agreements. Public Choice, vol. 125, 2005, pp. 95-127 (with J.C. Altamirano-Cabrera and E.C. van Ierland).
- 13) Coalition Formation in a Global Warming Game: How the Design of Protocols Affects the Success of Environmental Treaty-Making. Natural Resource Modeling, vol. 19, 2006, pp. 323-358 (with J. Eyckmans).
- 14) Permit Trading and Stability of International Climate Agreements. Journal of Applied Economics, vol. 9, 2006, pp. 19-48 (with J.C. Altamirano-Cabrera).
- 15) Stability of Climate Coalitions in a Cartel Formation Game. Economics of Governance, vol. 7, 2006, pp. 271-291 (with E.C. van Ierland and R. Dellink).
- 16) Participation in International Environmental Agreements: The Role of Timing and Regulation. Natural Resource Modeling, vol. 19, 2006, pp. 165-200 (with B. Rundshagen).
- 17) Sanktionen zur Durchsetzung von Vertragspflichten in internationalen Umweltabkommen: Spieltheoretische und praktische Überlegungen.<sup>12</sup> Zeitschrift für Umweltpolitik und Umweltrecht (Journal of Environmental Policy and Law), vol. 29, 2006, pp. 25-60 (with O. Herzog).
- 18) The Impact of Surplus Sharing on the Stability of International Climate Coalitions. Oxford Economic Papers, vol. 58, 2006, pp. 209-232 (with H.-P. Weikard and J.C. Altamirano-Cabrera).
- 19) A Micro-Foundation of Core-Stability in Positive Externality Coalition Games. Journal of Institutional and Theoretical Economics, vol. 162, 2006, pp. 329-346 (with B. Rundshagen).
- 20) New Roads to International Environmental Agreements: The Case of Global Warming. Environmental Economics and Policy Studies, vol. 7, 2006, pp. 391-414 (with J. Eyckmans).
- 21) Optimal Transfers and Participation Decisions in International Environmental Agreements. Review of International Organizations, vol. 1, 2006, pp. 379-396 (with C. Carraro and J. Eyckmans).
- 22) Measures to Enhance the Success of Global Climate Treaties. International Environmental Agreements, vol. 7, 2007, pp. 73-97 (with J. Eyckmans).
- 23) Das Göteborg Protokoll zur Bekämpfung grenzüberschreitender Luftschadstoffe in Europa: Eine ökonomische und spieltheoretische Evaluierung.<sup>13</sup> Zeitschrift für Umweltpolitik und Umweltrecht (Journal of Environmental Policy and Law), vol. 30, 2007, pp. 457-488 (with W. Ansel).

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<sup>9</sup> Translation: Symbolic Environmental Policy in the Light of Globalization: On the Efficacy of International Environmental Agreements from an Economic Perspective.

<sup>10</sup> Translation: Approaches to Foster International Environmental Agreements to Combat Global Pollution.

<sup>11</sup> Translation: Why are Market-based Instruments Rarely Applied in International Environmental Protection?

<sup>12</sup> Translation: Sanctions for Enforcing Treaty Obligations in International Environmental Agreements: Game-theoretic and Practical Considerations.

<sup>13</sup> The Gothenburg Protocol on Transboundary Pollution in Europe: an Economic and Game-Theoretic Evaluation.

- 24) Do Abatement Quotas Lead to More Successful Climate Coalitions? *The Manchester School*, vol. 76, 2008, pp. 104-129 (with J.C. Altamirano-Cabrera and R. Dellink).
- 25) The Stability Likelihood of an International Climate Agreement. *Environmental and Resource Economics*, vol. 39, 2008, pp. 357-377 (with R. Dellink and N. Olieman).
- 26) Game Theoretic Research on the Design of International Environmental Agreements: Insights, Critical Remarks and Future Challenges. *International Review of Environmental and Resource Economics*, vol. 2, 2008, pp. 29-67.
- 27) The Enforcement Mechanisms of the Kyoto Protocol: Flawed or Promising Concepts? *Letters in Spatial and Resource Sciences*, vol. 1, 2008, pp. 13-25.
- 28) Modesty May Pay! *Journal of Public Economic Theory*, vol. 10, 2008, pp. 801-826 (with S. Maus).
- 29) An Empirical Test of New Developments in Coalition Theory for the Design of International Environmental Agreements. *Environment and Development Economics*, vol. 14 (1), 2009, pp. 117-137 (with M.E. Sáiz and E.M.T. Hendrix).
- 30) Membership Rules and Stability of Coalition Structures in Positive Externality Games. *Social Choice and Welfare*, vol. 32, 2009, pp. 389-406 (with B. Rundshagen).
- 31) Stability and Success of Regional Fisheries Management Organizations. *Environmental and Resource Economics*, vol. 46, 2010, pp. 377-402 (with P. Pintassilgo, M. Lindroos and G. Munro).
- 32) International Environmental Agreements under Uncertainty: Does the Veil of Uncertainty Help? *Oxford Economic Papers*, vol. 64, 2012, pp. 736-764 (with P. Pintassilgo).
- 33) Uncertainty and Climate Treaties: Does Ignorance Pay? *Resource and Energy Economics*, vol. 34, 2012, pp. 565-584 (with R. Dellink).
- 34) Coalition Formation and the Ancillary Benefits of Climate Policy. *Environmental and Resource Economics*, vol. 56, 2013, pp. 211-222 (with D.T.G. Rübbelke).
- 35) The Role of Uncertainty and Learning for the Success of International Climate Agreements. *Journal of Public Economics*, vol. 103, 2013, pp. 29-43 (with P. Pintassilgo).
- 36) Is the risk of North–South Technology Transfer Failure an Obstacle to a Cooperative Climate Change Agreement? *International Environmental Agreements*, vol. 13, 2013, pp. 461-479 (with M. Huebler).
- 37) International Coordination on Climate Policies. *Journal of Environmental Economics and Management*, vol. 66, 2013, pp. 159-166 (with C. Kotsogiannis and S. McCorriston).
- 38) The International Dimension of Climate Policy. *Environmental and Resource Economics*, vol. 56, 2013, pp. 151-160 (with C. Kotsogiannis and S. McCorriston).
- 39) Simulating a Sequential Coalition Formation Process for the Climate Change Problem: First Come, but Second Served? *Annals of Operations Research*, vol. 220 (1), 2014, pp. 5-23 (with J. Eyckmans and B. Rundshagen).
- 40) Emissions Trading with Non-signatories in a Climate Agreement - An Analysis of Coalition Stability. *The Manchester School*, vol. 82, 2014, pp. 82-109 (with O. Edenhofer, U. Kornek, K. Lessmann, R. Marschinski).
- 41) Scope and Compatibility of Measures in International Fisheries. *Oxford Economic Papers*, vol. 67 (4), 2015, pp. 865-888 (with R. Schneider).
- 42) Response to Squires et al., *Oxford Economic Papers*, vol. 67 (4), 2015, pp. 895-896 (with R. Schneider).
- 43) Game Theory and Environmental Resource Economics – Special Issue in honour of Alfred Endres. *Environmental and Resource Economics*, vol. 62 (4), 2015, pp. 657-664 (with Bianca Rundshagen).

- 44) Game Theory and Environmental Resource Economics – Special Issue in honour of Alfred Endres (Part II). *Environmental and Resource Economics*, vol. 65 (1), 2016, pp. 1-4 (with Bianca Rundshagen).
- 45) The Use of International Agreements in Transnational Environmental Protection. *Oxford Economic Papers*, vol. 69(2), 2017, pp. 333-344 (with Philip Cooper and Christian Almer).
- 46) L’adaptation est-elle un frein aux accords climatiques? *Revue Francaise d’Economie*, volume XXXII (2), 2017, pp. 135-158 (with B. Bayramoglu and J.-F. Jacques).
- 47) Strategic Environmental Policy, International Trade and Self-enforcing Agreements: The Role of Consumers' Taste for Variety. *Strategic Behavior and the Environment*, vol. 7, 2017, pp. 317-350 (with Alaa al Khourdajie).
- 48) Climate Agreements in a Mitigation-Adaptation Game. *Journal of Public Economics*, vol. 165, 2018, pp. 101-113 (with B. Bayramoglu and J.-F. Jacques).
- 49) International Environmental Agreements with Uncertainty, Learning and Risk Aversion. *Environmental and Resource Economics*, vol. 73, 2019, pp. 1165–1196 (with P. Pintassilgo and A. Ulph).
- 50) The Anti-Paradox of Cooperation: Diversity May Pay. *Journal of Economic Behavior and Organization*, vol. 157, 2019, pp. 541-559 (with Matt McGinty).
- 51) The Role of Social and Technical Excludability for the Success of Impure Public Good and Common Pool Agreements: The Case of International Fisheries. *Resource and Energy Economics*, vol. 59, 2020, <https://doi.org/10.1016/j.reseneeco.2019.101122> (with P. Pintassilgo and R. Schneider).
- 52) Coalition Formation to Provide Public Goods under Weakest-link Technology. *Journal of Public Economic Theory*, vol. 22 (3), 2020, pp. 555-582 (with Alejandro Caparros).
- 53) International Environmental Agreements and Carbon Border Adjustments. *European Economic Review*, vol. 124, 2020, pp. 102405,
- 54) Economics of the Environment in the Shadow of Coronavirus. *Environmental and Resource Economics*, vol. 76, 2020, pp. 519-523 (with Ian J. Bateman, Astrid Dannenberg, Rob Elliott, Michael Finus, Phoebe Koundouri, Katti Millock, Alistair Munro, Elizabeth J Z Robinson, Daniel Rondeau, Ingmar Schumacher, Eric Stobl, Tasos Xepapadeas).
- 55) The Corona-Pandemic: A Game-theoretic Perspective on Regional and Global Governance. *Environmental and Resource Economics*, vol. 76, 2020, pp. 913–927 (with Alejandro Caparros).
- 56) The Efficacy of International Environmental Agreements when Adaptation Matters: Nash-Cournot vs Stackelberg Leadership. *Journal of Environmental Economics and Management*, vol 109, 2021, pp. 102461 (with Francesco Furini and Anna Viktoria Rohrer).
- 57) Strategic Climate Policies with Endogenous Plant Location: The Role of Border Carbon Adjustments. *Journal of Public Economic Theory*, vol 24, pp. 1266-1309 (with Noha Elboghdadly).

## Working Papers

- 1) An Almost Ideal Sharing Scheme for Coalition Games with Externalities. *Stirling Economics Discussion Paper No. 2009-10* (with J. Eyckmans). Completely revised version: A New Class of Welfare Maximizing Sharing Rules for Partition Function Games with Externalities, *Bath Economics Research Paper 6-2012* (with J. Eyckmans and Lina Mallozzi).
- 2) Learning by Investment in International Climate Change, *Bath Economic Research Papers 16/2017* (with Francisco Andre, University Computense, Madrid). ***Revise and Resubmit Oxford Economic Papers.***

- 3) Enforcing Climate Agreements: The Role of Escalating Border Carbon Adjustments. Graz Economic Papers, GEP 2020-11 (with Noha Elboghhdady).
- 4) Team Formation in Coordination Games with Fixed Neighborhoods. Instituto de Políticas y Bienes Públicos (IPP) CSIC, Working Paper, 2020-04 (with Alejandro Caparrós, Esther Blanco and Philipp Buchenauer).
- 5) Non-Cooperative Climate Policies among Asymmetric Countries: Production- versus Consumption-based Carbon Taxes. Graz Economic Papers, GEP 2020-16 (with Noha Elboghhdady).
- 6) International Environmental Agreements and the Paradox of Cooperation: Revisiting and Generalizing Some Previous Results. Graz Economic Papers, GEP 2021-05 (with Francesco Furini and Anna Viktoria Rohrer).
- 7) Global Climate Governance in the Light of Geoengineering: A Shot in the Dark? Graz Economic Papers, GEP 2022-02 (with Francesco Furini). *Revise and Resubmit to Journal of Environmental Economics and Management.*
- 8) The Governance Architecture of Climate Agreements in the Light of Risky Geoengineering (with Francesco Furini). Available at SSRN: <https://ssrn.com/abstract=4082787> or <http://dx.doi.org/10.2139/ssrn.4082787>

**Presentations at Conferences, Workshops Seminars and Special Lectures (*italic = upon invitation/keynote, apart from presentations at seminars*)**

Contributed paper to the "Conference of the European Economic Association", Maastricht, The Netherlands, September 3<sup>rd</sup> – 5<sup>th</sup>, 1994.

Presentation at the Economic Seminar at the University of Tsubuka, Japan, June 15<sup>th</sup>, 1995.

Presentation at the Economic Seminar at the University of Siegen, Germany, May 2<sup>nd</sup>, 1996.

Contributed paper to the "Conference of the European Association of Environmental and Resource Economists", Lisbon, Portugal, June 27<sup>th</sup> - 29<sup>th</sup>, 1996.

Contributed paper to the "Conference of the European Economic Association", Istanbul, Turkey, August 21<sup>st</sup> - 24<sup>th</sup>, 1996.

Contributed paper to the "Interdisciplinary Symposium on Responsible Environmental Behavior", Bern, Switzerland, September 3<sup>rd</sup> - 7<sup>th</sup>, 1996.

Contributed paper to the "European Public Choice Society Meeting", Prague, Czech Republic, April 2<sup>nd</sup> - 5<sup>th</sup>, 1997.

Contributed paper to the "Conference of the European Association of Environmental and Resource Economists", Tilburg, The Netherlands, June 26<sup>th</sup> - 28<sup>th</sup>, 1997.

*Invited paper to the "Workshop on International Environmental Issues in Open Economies", St. Gallen, Switzerland, July 3<sup>rd</sup> - 4<sup>th</sup>, 1997.*

Contributed paper to the "Conference of the European Economic Association", Toulouse, France, August 31<sup>st</sup> - September 2<sup>nd</sup>, 1997.

Presentation at the Economic Seminar at the University of Bergen, Norway, September 5<sup>th</sup>, 1997.

Presentation at the Economic Seminar at the University of Dortmund, Germany, January 21<sup>st</sup>, 1998.

Contributed paper to the "World Congress of the European and American Association of Environmental and Resource Economics", Venice, Italy, June 25<sup>th</sup> - 27<sup>th</sup>, 1998.

Presentation at the Economic Seminar at the University of Oldenburg, Germany, March 5<sup>th</sup>, 1999.

Contributed paper to the "International Institute of Public Finance (IIPF)-Conference", Moscow, Russia, August 23<sup>rd</sup> - 26<sup>th</sup>, 1999.

Contributed paper to the "Symposium on Operations Research", Magdeburg, Germany, September 1<sup>st</sup> - 4<sup>th</sup>, 1999.

Contributed paper to the "Conference of the International Atlantic Economics Association", Montreal, Canada, October 7<sup>th</sup> - 10<sup>th</sup>, 1999.

Presentation at the Economic Seminar at the University of Wageningen, The Netherlands, January 25<sup>th</sup>, 2000.

*Lectures on "Environmental Economics" and Seminar on "International Environmental Problems", University of Wageningen, The Netherlands, January - February 2000.*

Contributed paper to the "Conference of the European Association of Environmental and Resource Economics", Rethymnon, Crete, Greece, June 30<sup>th</sup> - July 2<sup>nd</sup>, 2000.

*Lectures on "The International Dimension of Environmental Economics", European Summer School in Resource and Environmental Economics organized by the European Association of Environmental and Resource Economists (EAERE) and Fondazione Eni Enrico Mattei (FEEM), Venice, Italy, July 2000.*

Contributed paper to the "Conference of the Verein für Socialpolitik", Berlin, Germany, September 19<sup>th</sup> - 22<sup>nd</sup>, 2000.

Contributed paper to the "Conference on Instruments for Climate Policy", University of Ghent, Ghent, Belgium, October 19<sup>th</sup> - 20<sup>th</sup>, 2000.

*Invited paper to the "Coalition Theory Network Workshop", CORE, Louvain-la-Neuve, Belgium, January 26<sup>th</sup> - 27<sup>th</sup>, 2001.*

Presentation at the Economic Seminar at the University of Wageningen, The Netherlands, February 8<sup>th</sup>, 2001.

Contributed paper to the "European Public Choice Society Meeting", Paris, France, April 18<sup>th</sup> - 22<sup>nd</sup>, 2001.

*Lectures on "International Environmental Agreements", DFG Workshop, ZEW, Mannheim, Germany, May 18<sup>th</sup> - 19<sup>th</sup>, 2001.*

Presentation at the Economic Seminar at the University of Tilburg, The Netherlands, June 21<sup>st</sup>, 2001.

Contributed paper to the "European Association of Environmental and Resource Economists", Southampton, UK, June 28<sup>th</sup> - 30<sup>th</sup>, 2001.

Contributed paper to the "American Association of Agriculture Economics", Chicago, USA, August 5<sup>th</sup> - 8<sup>th</sup>, 2001.

Contributed paper to the annual IIPF-Meeting, Linz, Austria, August 27<sup>th</sup> - 30<sup>th</sup>, 2001.

*Keynote paper at the Workshop on "The International Dimension of Environmental Policy", Acquafredda di Maratea, European Science Foundation, Italy, October 6<sup>th</sup> - 11<sup>th</sup>, 2001.*

Presentation at the Economic Seminar at the University of Hamburg, Germany, November 6<sup>th</sup>, 2001.



*Lectures on "Game Theory and the Environment", International Summer School organized by the Institute of Mathematics and Game Theory, University of Genoa and Fondazione Eni Enrico Mattei (FEEM), Lavagna, Italy, September 2<sup>nd</sup> - 14<sup>th</sup>, 2002.*

*Lectures on "Game Theory and Coalition Formation in International Pollution Control", University of Heidelberg, Germany, Ph.D. program "Environmental and Resource Economics", November 13<sup>th</sup> - 14<sup>th</sup>, 2002.*

Presentation at the Economic Seminar at the University of Hamburg, Germany, December 10<sup>th</sup>, 2002.

*Invited paper to the CLIMNEG-Workshop on International Environmental Agreements, University of Leuven, Leuven, Belgium, March 14<sup>th</sup>, 2003.*

*Invited paper to the "Fourth EEP Plenary Workshop and EEP Conference" on "The Future of Climate Policy", Cagliari, Italy, March 27<sup>th</sup> - 28<sup>th</sup>, 2003.*

*Invited paper to the DIW Workshop on "International Institutions for Sustainability", Berlin, Germany, June 12<sup>th</sup> - 13<sup>th</sup>, 2003.*

*Invited paper to the DFG Workshop, ZEW, Mannheim, Germany, June 14<sup>th</sup>, 2003.*

Contributed paper to the "European Association of Environmental and Resource Economists", Bilbao, Spain, June 28<sup>th</sup> - 30<sup>th</sup>, 2003.

Contributed paper to the "Conference of the European Economic Association", Stockholm, Sweden, August 20<sup>th</sup> - 24<sup>th</sup>, 2003.

Contributed paper to the "Conference of the German Economic Association (Verein für Socialpolitik)", Zurich, Switzerland, October 1<sup>st</sup> - 3<sup>rd</sup>, 2003.

Contributed paper to the "Conference of the German Association of Environmental and Resource Economists (AURÖ)", St. Gallen, Switzerland, April 30<sup>th</sup> - May 1<sup>st</sup>, 2004.

Presentation at the Economic Seminar at the Fondazione Eni Enrico Mattei, Venice, Italy, May 21<sup>st</sup>, 2004.

*Lectures on "Game Theoretical Analyses of International Environmental Agreements", Ph.D. program, Venice International University, Italy, May 3<sup>rd</sup> - 7<sup>th</sup>, 2004.*

Contributed paper to the "Conference on Sustainable Resource Use and Economic Dynamics" (SURED), Ascona, Switzerland, June 7<sup>th</sup> - 10<sup>th</sup>, 2004.

Contributed paper to the "European Association of Environmental and Resource Economists", Budapest, Hungary, June 25<sup>th</sup> - 28<sup>th</sup>, 2004.

Contributed paper to the "Conference of the Association of Public Economic Theory", Beijing, China, August 25<sup>th</sup> - 29<sup>th</sup>, 2004.

Contributed paper to the "Coalition Theory Network Workshop", Paris, France, January 28<sup>th</sup> - 29<sup>th</sup>, 2005.

Lectures on "Environmental Economics", University of Pecs, Hungary, February 24<sup>th</sup> - 25<sup>th</sup>, 2005.

Contributed paper to the "Conference of the German Association of Environmental and Resource Economists (AURÖ)", Leipzig, Germany, April 22<sup>nd</sup> - 23<sup>rd</sup>, 2005.

Contributed paper to the "Conference of the Association of Public Economic Theory", Marseille, France, May 16<sup>th</sup> - 18<sup>th</sup>, 2005.

Contributed paper to the "European Association of Environmental and Resource Economists",

Bremen, Germany, June 24<sup>th</sup> – 26<sup>th</sup>, 2005.

Contributed paper to the conference "The Design of Climate Policy" organized by CESifo and Venice International University, Venice, Italy, July 22<sup>nd</sup> - 23<sup>rd</sup>, 2005.

*Keynote paper to the workshop "Global Public Goods Management: Lessons from Game Theory and Practice for Post-Kyoto Negotiations" organized by University Computense de Madrid, Madrid, Spain, November 17<sup>th</sup> – 18<sup>th</sup>, 2005.*

Presentation at the Economic Seminar at the University of Toulouse, France, December 15<sup>th</sup>, 2005.

Presentation at the Economic Seminar at the National University of Singapore, March 4<sup>th</sup>, 2006.

*Keynote paper at the "6<sup>th</sup> Meeting on Game Theory and Practice", Zaragoza, Spain, July 10<sup>th</sup> - 12<sup>th</sup>, 2006.*

Presentation at the Economic Seminar at the University of Bergen, Norway, December 7<sup>th</sup>, 2006.

Presentation at the Economic Seminar at the University of Frankfurt an der Oder, Germany, December 20<sup>th</sup>, 2006.

Presentation at the Seminar "Climate Change and Game Theory", University of Wageningen, The Netherlands, February 23<sup>rd</sup>, 2007.

Participation in the "Conference of the German Association of Environmental and Resource Economists (AURÖ)", Mannheim, Germany, May 4<sup>th</sup> - 5<sup>th</sup>, 2007.

Contributed paper to the "7<sup>th</sup> Meeting on Game Theory and Practice", Montreal, Canada, May 28<sup>th</sup> - 30<sup>th</sup>, 2007.

Presentation at the Economic Seminar at the University of Algarve, Faro, Portugal, June 14<sup>th</sup>, 2007.

Contributed paper to the "European Association of Environmental and Resource Economists", Thessaloniki, Greece, June 27<sup>th</sup> - 30<sup>th</sup>, 2007.

*Lectures in the Ph.D. Programme at the Department of Economics and Management, University of Helsinki, Finland, October 2<sup>nd</sup>, 2007.*

*Keynote paper at the Workshop "Discounting and Uncertainty in International Agreements and How to Deal with Policy Recommendations?" Workshop organized by the NCCR Climate, Swiss Climate Research and the University of Bern, Bern, Switzerland, November 8<sup>th</sup>-10<sup>th</sup>, 2007.*

Presentation at the Economic Seminar at the University of Edinburgh, Scotland, November 26<sup>th</sup>, 2007.

Presentation at the Economic Seminar at the University of Stirling, Scotland, November 27<sup>th</sup>, 2007.

Presentation at the Economic Seminar at the University of Bochum, Germany, January 15<sup>th</sup>, 2008.

*Keynote paper at the "13<sup>th</sup> Coalition Theory Network Workshop", Venice, Italy, January 24<sup>th</sup> - 25<sup>th</sup>, 2008.*

Lectures in the Scottish Doctoral Programme & Masters Degree in Economics, March 10<sup>th</sup> and 12<sup>th</sup>, 2008, University of Edinburgh, Scotland.

Presentation at the Economic Seminar in St. Andrews, Scotland, March 27<sup>th</sup>, 2008.

*Presentation at the Public Debate "Challenges of Climate Change", organized by the Royal Society of Edinburgh, Edinburgh, Scotland, April 10<sup>th</sup>, 2008.*

Presentation at the "Young Scholars Series SIRE", St. Andrews, Scotland, April 18<sup>th</sup>, 2008.

Contributed paper to the "Conference of the German Association of Environmental and Resource Economists (AURÖ)", Stuttgart Hohenheim, Germany, April 25<sup>th</sup> – 26<sup>th</sup>, 2008.

*Invited paper at the Workshop "Environmental Policy and Technological Diffusion", Oslo, Norway, May 22<sup>nd</sup> - 23<sup>rd</sup>, 2008.*

Contributed paper to the "Conference on Sustainable Resource Use and Economic Dynamics" (SURED), Ascona, Switzerland, June 2<sup>nd</sup> - 5<sup>th</sup>, 2008.

Presentation at the Economic Seminar in Potsdam, Potsdam Institute for Climate Impact Research, Germany, August 13<sup>th</sup>, 2008.

Presentation at the Economic Seminar, University of Lisbon (NOVA), January 30<sup>th</sup>, 2009.

Presentation at the Economic Seminar in Manchester, UK, March 3<sup>rd</sup>, 2009.

Organizing the "Conference of the German Association of Environmental and Resource Economists (AURÖ)", Vienna, Austria, April 24<sup>th</sup> – 25<sup>th</sup>, 2009.

*Invited Paper to the International Workshop on "Coalitions for Climate Cooperation. A Game- Theoretic Analysis of Post 2012 Climate Policy", June 15-16, Venice, Italy.*

Contributed paper to the "European Association of Environmental and Resource Economists", Amsterdam, The Netherlands, June 24<sup>th</sup> - 27<sup>th</sup>, 2009.

Presentation at the Economic Seminar at the University of Ulm, Germany, July 15<sup>th</sup>, 2009

Contributed paper to the "Conference of the German Economic Association (Verein für Socialpolitik)", Magdeburg, Germany, September 8<sup>th</sup>-11<sup>th</sup>, 2009.

Presentation at the Workshop of the German Ministry of Research and Education on "the Economics of Climate Change", Bonn, Germany, 20<sup>th</sup> October, 2009

*Keynote paper at the CCSF ("Climate Change and Sustainable Future") Conference, University of Exeter, UK, 8<sup>th</sup> January, 2010.*

*Presentation at the Minisymposium "Recent Issues in Climate Change Economics", University of Wageningen, The Netherlands, 12<sup>th</sup> March, 2010.*

*Keynote Presentation at the International Agricultural Trade Research Consortium, Stuttgart-Hohenheim, 27<sup>th</sup>-29<sup>th</sup> June, 2010*

*Lectures on "Climate Change Negotiations", European Summer School in Resource and Environmental Economics organized by the European Association of Environmental and Resource Economists (EAERE) and Fondazione Eni Enrico Mattei (FEEM), Venice, Italy, July 2010.*

*Invited paper to the Workshop "The Nature, Design and Feasibility of Robust Climate Agreements", Kleivstua (Oslo), Norway, 8<sup>th</sup>-9<sup>th</sup> September 2010.*

Presentation at the Economic Seminar, University of Hohenheim, Germany, 8<sup>th</sup> February, 2011.

Contributed paper to the "Conference of the German Association of Environmental and Resource Economists (AURÖ)", Linz, Austria, May 6<sup>th</sup> – 7<sup>th</sup>, 2011.

Presentation at the Economic Seminar, University of Bordeaux IV, GRETha, France, 14<sup>th</sup> June, 2011.

Presentation at the Economic Seminar, University of Reading, UK, 16<sup>th</sup> January, 2012.

Contributed paper to the "Conference of the German Association of Environmental and Resource Economists (AURÖ)", Wageningen, The Netherlands, April 27<sup>th</sup> – 28<sup>th</sup>, 2012.

*Keynote presentation at the Spanish-Portuguese Association of Natural Resource and Environmental Economics (AERNA), University of the Algarve, Faro, Portugal, 31st May-2nd June, 2012.*

Contributed Paper to the Workshop “Toward a New Climate Agreement: Conflict, Resolution and Governance“, Oslo, Norway, 12<sup>th</sup>-13<sup>th</sup> November, 2012

Contributed Paper to the Conference of the PAKT project “Economics of an Integrated and Long-term Climate and Energy Policy”: “The Green Growth Dilemma”, organized by the Potsdam Institute of Climate Impact Research in Potsdam (PIK) and Centre for European Economic Policy Research in Mannheim (ZEW), 15<sup>th</sup>-16<sup>th</sup> November 2012, Berlin, Germany.

*Invited Paper to the Workshop on Bioeconomic Modeling at the Institute Henri Poincaré, Paris, France, 11<sup>th</sup>-13<sup>th</sup> February, 2013.*

Presentation at the Environmental Economic Seminar, London School of Economics and Grantham Institute, London, UK, 12<sup>th</sup> June, 2013.

Presentation at the Workshop of the BMBF-project, “Freiwillige kooperative Lösungen bei der Bereitstellung globaler öffentlicher Güter”, 9<sup>th</sup>-10<sup>th</sup> October 2013, Bochum, Germany.

Presentation at the Economic Seminar at the University Computense, 26<sup>th</sup> November, 2013, Madrid, Spain.

Presentation at the Economic Seminar at the University of East Anglia, 8<sup>th</sup> May, 2014, Norwich, UK.

Presentation at the Economic Seminar at the University of Aberdeen, 21<sup>th</sup> May, 2014, Aberdeen, UK.

*Keynote presentation at the 5th Workshop on Game Theory in Energy, Resources and Environment, 26<sup>th</sup>-27<sup>th</sup> May, 2014, Montreal, Canada.*

*Keynote presentation at the Workshop on Climate Change and Public Goods, Fondazione Eni Enrico Mattei, 9<sup>th</sup>-10<sup>th</sup> June, 2014, Venice, Italy.*

Contributed papers to the “World Congress of the European and American Association of Environmental and Resource Economics”, Istanbul, Turkey, June 28<sup>th</sup> – 2<sup>nd</sup> July, 2014.

Contributed papers to the conference of the Spanish-Portuguese Association of Natural Resource and Environmental Economics (AERNA), University of Girona, Girona, Spain, 4<sup>th</sup>-6<sup>th</sup> September, 2014.

Inaugural Lecture “Global Environmental Protection: Success or Failure?” University of Bath, UK, 6<sup>th</sup> November 2014.

*Keynote presentation at the Workshop RECAP 15, “Step-by-Step – How to progress in International Climate Change, 19<sup>th</sup>-20<sup>th</sup> February 2015, Berlin, Germany.*

Contributed papers to the workshop of the Spanish-Portuguese Association of Natural Resource and Environmental Economics (AERNA), working group “Game Theory”, University Autonoma, Madrid, Spain, 7<sup>th</sup>-7<sup>th</sup> September, 2015.

Public Lecture “The Economics of Climate Change: Towards a New Paradigm”, Royal Geographical Society, London, 4<sup>th</sup> November 2015.

Presentation at the Economic Seminar at the Free University of Amsterdam, 11<sup>th</sup> January, 2016, Amsterdam, The Netherlands.

Presentation at the Economic Seminar at the University of Wageningen, 15<sup>th</sup> February, 2016, Wageningen, The Netherlands.

Presentation at the Institute for Sustainable Energy and the Environment (I-SEE), The Contribution of Economics to the Debate about Climate Change, 16<sup>th</sup> February, 2016, Bath, UK.

Presentation at the Research Workshop on Contemporary Topics in Economics of the Environment and Sustainability, NTU, Singapore, 15<sup>th</sup>-16<sup>th</sup> March, 2016.

Presentation at the Economic Seminar at the ETH Zurich, Switzerland, 4<sup>th</sup> April, 2016.

Presentation at PEES, Sorbonne, Paris, France, 12<sup>th</sup> May, 2016.

Presentation at the Environmental Economics Seminar, University of Manchester, 26<sup>th</sup> May, 2016, Manchester, UK.

Presentation at the Economic Seminar, University of Kent, 19<sup>th</sup> October, 2016, Canterbury, UK.

Contributed paper to the “Congress of the European and American Association of Environmental and Resource Economics”, Athens, Greece, June 29<sup>th</sup> – 1<sup>st</sup> July, 2017.

Contributed papers to the workshop of the Spanish-Portuguese Association of Natural Resource and Environmental Economics (AERNA), working group “Game Theory”, Institute of Public Policy, Madrid, Spain, 4<sup>th</sup>-5<sup>th</sup> September, 2017.

Presentation at St. Mary's School, Calne, UK, 28<sup>th</sup> November, 2017.

Presentation at the Workshop on Development in Energy Economics, Fundacion Ramon Areces, Madrid, 15<sup>th</sup> February, 2018.

Presentation at the Economic Seminar, University of Autonoma, 14<sup>th</sup> March, 2018, Madrid, Spain.

Presentation at the Economic Seminar, University of Valencia, 12<sup>th</sup> April, 2018, Valencia, Spain.

Presentation at the Economic Seminar, University of Valladolid, 19<sup>th</sup> April, 2018, Valladolid, Spain.

Public Lecture at the “Bath Royal Literary and Scientific Institution”, Obstacles to Effective Climate Agreements: Can We Avoid Disaster?, 8<sup>th</sup> May, 2018, Bath, UK.

*Keynote Presentation at the opening of the conference of the Spanish-Portuguese Association of Natural Resource and Environmental Economics (AERNA), funded by Fundacion Ramon Areces, Madrid, Spain, 3<sup>th</sup>-5<sup>th</sup> September, 2018.*

Contributed papers to the conference of the Spanish-Portuguese Association of Natural Resource and Environmental Economics (AERNA), Madrid, Spain, 3<sup>th</sup>-5<sup>th</sup> September, 2018.

Presentation at the Economic Seminar, University Marne la Vallée, Créteil, Paris, France, 13<sup>th</sup> September, 2018.

Presentation at the Economic Seminar, Polytechnique Lozère, CREST, Paris, France, 21<sup>st</sup> September, 2018.

Presentation at the Conference of the Austrian Association of Economists (NOEG), 25<sup>th</sup>-26<sup>th</sup> April, 2019, Graz, Austria.

Presentation at the “Grazer Umweltrechtsforum”, Graz, Austria, 29<sup>th</sup> May, 2019

Contributed paper to the “Congress of the European and American Association of Environmental and Resource Economics”, Manchester, UK, June 26<sup>th</sup> – 29<sup>th</sup> June, 2019.

Contributed paper to the workshop of the Spanish-Portuguese Association of Natural Resource and Environmental Economics (AERNA), working group “Game Theory”, University Valencia, Valencia, Spain, 2<sup>nd</sup>-3<sup>rd</sup> September, 2019.

Presentation at the Economic Seminar, KU Leuven, Brussels, Belgium, 11<sup>th</sup> December, 2019.

Inaugural Lecture “International Environmental Cooperation: Insights from Game-theoretic Research”, University of Graz, 15<sup>th</sup> January, 2020.

*Public Lecture (online) "International Environmental Cooperation: Insights from Game-theoretic Research", Indian Society for Ecological Economics (INSEE) and Institute of Economic Growth (IEG), 9<sup>th</sup> December 2020.*

Presentation (online) at the Seminar Series of the Spanish-Portuguese Association of Environmental and Resource Economists, 14<sup>th</sup> April 2021.

Four (online) Guest Lectures on “Game-theoretic Analyses of International Climate Agreements”, 6<sup>th</sup> - 7<sup>th</sup> July, 2021, Xiamen University, China.

Contributed papers (online) to the conference of the Spanish-Portuguese Association of Natural Resource and Environmental Economics (AERNA), Leida, Spain, 2<sup>nd</sup>-3<sup>rd</sup> September, 2021.

*Keynote Presentation at the Workshop “Innovation and Climate Change Governance”, Paris, France, 19<sup>th</sup>-20<sup>th</sup> June, 2022.*

*Keynote Presentation at the “First Durham Environmental and Energy Economics Workshop”, Durham, UK, 6<sup>th</sup> June, 2022.*

Presentation at the Economic Seminar, University of Bath, Bath, UK, 13<sup>th</sup> March, 2023.

Presentation at the Economic Seminar, University of Hamburg, Hamburg, Germany, 13<sup>th</sup> April, 2023.