



EAERE

European Association of

Environmental and Resource Economists

22nd Annual Conference of

# Environmental & Resource Economics

June 22 to 25 / 2016 in Zurich, Switzerland

**ETH** zürich

Pocket Guide

Dear Participants,

It is our pleasure to welcome you to the 22nd Annual Conference of the European Association of Environmental and Resource Economists, organized by ETH Zurich!

One year has passed since we all met in Helsinki and it has been an interesting and challenging year indeed. Last year's climate summit in Paris provided hope for the struggle against climate change; the sustainable development goals were adopted by the United Nations; and the world continues its efforts to transform the world's energy systems – to just name a few of the developments and challenges that are likely to keep us busy for years to come. This year's conference will address these issues as well as a broad range of other topics using a variety of methods and approaches. As it is your contributions that are at the heart of the program, let us take this opportunity and thank all of you in advance for making the conference a success!

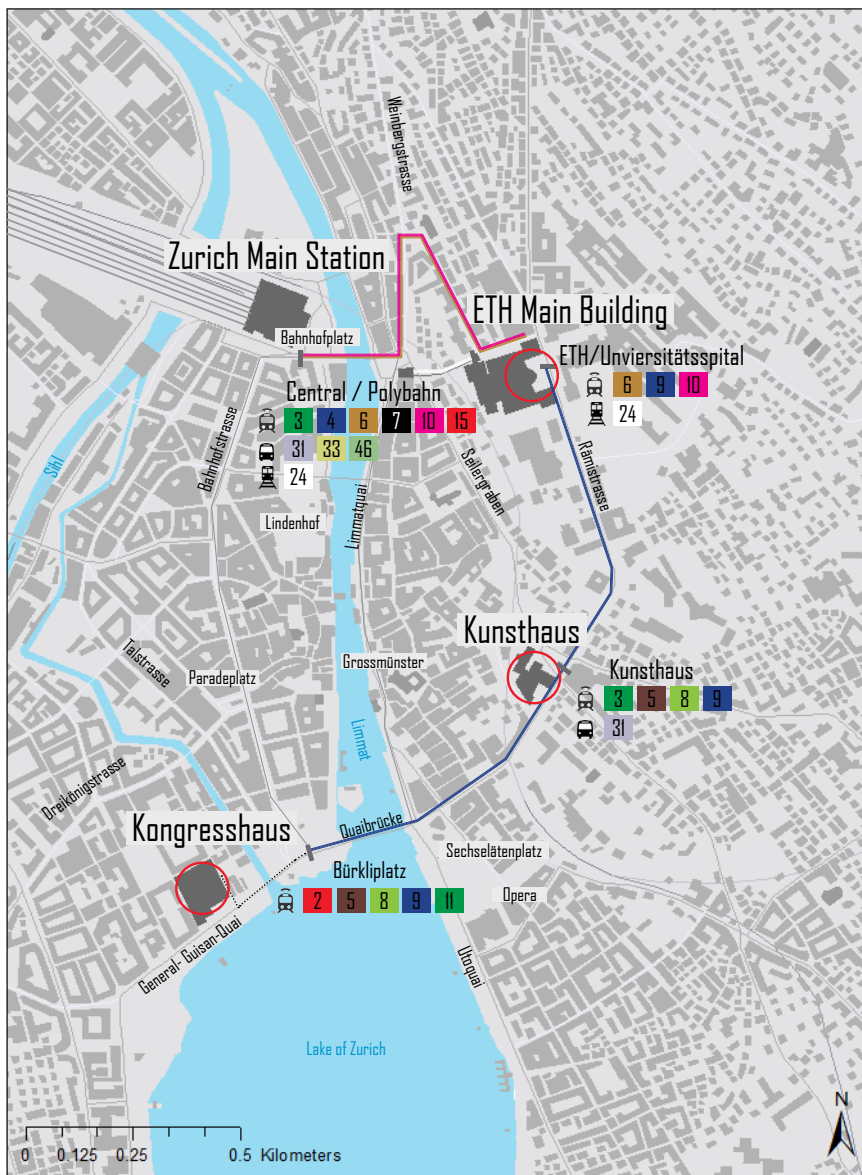
The conference venue, ETH Zurich, is a very good example for addressing and dealing with the complex challenges that today's environmental and resource economists face. For decades, ETH has been globally known for its accomplishments in engineering and natural sciences. The historic building in which our conference takes place was already Einstein's alma mater. Yet, the development of new technologies and a better understanding of the physical laws that govern the world around us also give rise to new challenges and new risks. The resulting nexus between technology, natural sciences and economics has been a focus of research at ETH for years now.

Zurich and Switzerland provide a great backdrop for the largest gathering of environmental and resource economists of the year. To many of you, Zurich is likely known for its banks and chocolates. But it has so much more to offer, especially with respect to the natural environment. Zurich is a green city. All around the traditional city neighborhoods you will find well preserved forests that owe their existence to the Swiss Forest Act of 1876 – one of the world's earliest pieces of environmental legislation. In 2008, over three quarters of Zurich's electorate voted in favor of the 2000-watt society. The goal of a more sustainable lifestyle is now part of Zurich's municipal code and Switzerland was the first country worldwide to submit its mitigation pledges for the Paris' conference last year. But let us stop now and give you the opportunity to discover ETH, Zurich and Switzerland by yourself!

We wish you a great stay, an interesting conference, and many inspiring presentations and discussions with colleagues and friends!

On behalf of the organizing committee

Lucas Bretschger and Karen Pittel



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# General Information

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## **WIFI**

Network: EAERE2016  
Password: eaereconf

## **REGISTRATION INFORMATION**

Registration desk:	ETH Main building (Rämistrasse 101)	
Opening hours:	Wednesday, June 22	18:30 – 20:30
	Thursday, June 23	8:00 – 18:30
	Friday, June 24	8:00 – 18:30
	Saturday, June 25	8:00 – 16:30

## **BADGES**

Please wear your badge at all times, also during social events.

### Special dietary requests and vegetarian buffet (D-Foyer South):

You may be asked to flip your badge and show your color code on the back of your badge.

### Conference dinner:

Please bring your place card to the conference dinner.

# Conference Venue

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**ETH Main Building:**

Rämistrasse 101, 8092 Zurich

**Swiss Grillparty (Thursday):**

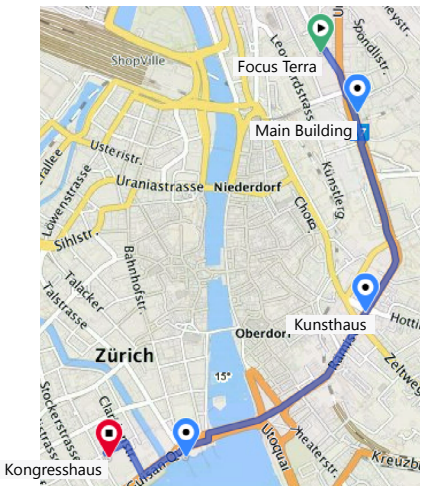
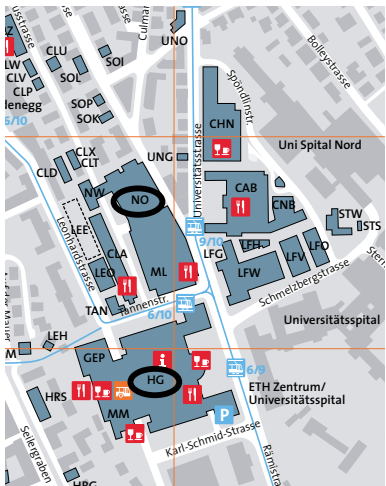
Museum of Fine Arts (Kunsthaus), Heimplatz 1, 8001 Zurich

**Focus Terra (Thursday):**

NO-Building, Sonneggstrasse 5, 8006 Zürich

**Conference Dinner (Friday):**

Kongresshaus, Gotthardstrasse 5, 8002 Zurich

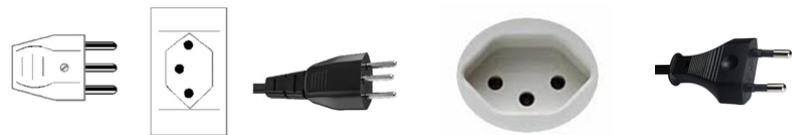


# Useful Information

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**Electricity**

The power supply runs at 220V and 50Hz. The outlets accept the Swiss plugs (SEV 1011) and Europlugs (CEE 7/16). See figure below. Europlugs (non-grounded) can also be used.



**Telephone**

The international calling code for Switzerland is 41, the prefix for international calls is 00. There are multiple city/area codes in use in Zurich: 44 and 43.

The mobile phone network supports GSM phones on the 900 and 1800MHz frequency ranges, with up to 4G data connectivity.

**Timezone**

The time zone in Switzerland (in the summer) is Central European summer Time (CEST = Coordinated Universal Time (UTC) + 2 hours).

**Currency**

Swiss currency is the Swiss francs (CHF). Credit cards (Visa, MasterCard, American Express) are almost everywhere accepted. Most ATMs will allow you to withdraw money with your credit card or your foreign debit card, but you will need to know your card's PIN for that.

### Tippling

There is no obligation to tip anybody in restaurants, cafés, bars and hotels. Swiss Federal law has required that all service charges and taxes be included in published prices.

The tip is mainly a matter of politeness and shows your appreciation of the service. The golden rule in restaurants is to round up. If you wish to thank the server for good service you should 'generously round up' the bill. So for small amount you will round up to the nearest Swiss franc and for bigger to nearest 5 or 10.

### Opening hours

As a Rule of thumb: shops are open from 9 am to 6.30 pm on weekdays and from 9 am to 4 pm on Saturdays. Grocery stores (two main chains are Coop and Migros) are open mostly from 8 am to 9 pm. Shops (including pharmacies) are closed on Sundays and national holidays except for those at airports, at some railway stations and highway rest stops. If you need to buy something on Sunday in Zurich, your best bet is the shopping mall under the main train station. Restaurants are typically open from 11.30 am until 12 pm. Many are closed during the afternoon.

### Smoking

Smoking is generally banned in all restaurants, cafés, public buildings and on all forms of public transport. Smokers should be prepared to step outside if they want to light up.

The European Association of Environmental and Resource Economists (EAERE) is an international scientific association which aims to:

- contribute to the development and application of environmental and resource economics as a science in Europe;
- encourage and improve communication between teachers, researchers and students in environmental and resource economics in different European countries;
- develop and encourage the cooperation between university level teaching institutions and research institutions in Europe.

Founded in 1990, EAERE has over 1,100 members in 70 countries, from Europe and beyond, from academic institutions, the public sector, and the private industry. Interests span from traditional economics, agricultural economics, forestry, and natural resource economics.

Through the Association's official Journals *Environmental and Resource Economics (ERE)* and *Review of Environmental Economics and Policy (REEP)*, the Annual Conference, the annual Summer Schools, the biannual Newsletter, and affiliation with our sister association in North America (AERE), EAERE provides many fora for exchanging ideas relevant to the allocation and management of natural and environmental resources.

Each summer, EAERE organizes its Annual Conference, an invaluable opportunity for meeting, exchanging and debating current topics in environmental and resource economics. With approximately 800 individual participants attending from all over the world, international researchers, scholars, economists and students convene to the EAERE Annual Conferences in the spirit of economic discovery, research, analysis and collaboration. Conferences are held in European countries and unite European participants together with their national and international neighbors.

Every four years since 1998, EAERE's Annual Conference is held within the World Congress of Environmental and Resource Economists - WCERE, an important international event organized together with the Association of Environmental and Resource Economists - AERE. From year 2018, the WCEREs series will also be co-organized together with the East Asian Association of Environmental and Resource Economics - EAAERE.

The next Annual Conference will be take place in Athens at the Megaron Athens International Conference Centre from June 28th to July 1st, 2017. It will be hosted by the International Centre for Research on the Environment and the Economy (ICRE8), in collaboration with Athens University of Economics and Business, the National and Kapodistrian University of Athens, and ATHENA Research and Innovation Center.

President: Lucas BRETSCHGER, Center of Economic Research at ETH Zurich  
President-Elect: Carlo CARRARO, University Ca' Foscari of Venice and Fondazione Eni Enrico Mattei  
Past-President: Anil MARKANDYA, Basque Center for Climate Change  
Vice-President and Council Member 2014-2017: Valentina BOSETTI, Bocconi University and Fondazione Eni Enrico Mattei  
Council Member 2016-2019: Mireille CHIROLEU-ASSOULINE, Université Paris 1 Panthéon-Sorbonne, CES-Centre d'Economie de la Sorbonne  
Council Member 2016-2019: Astrid DANNENBERG, University of Kassel  
Council Member 2014-2017: Karen PITTEL, University of Munich and Ifo Center for Energy, Climate and Exhaustible Resources  
Secretary General: Monica EBERLE, Fondazione Eni Enrico Mattei  
Honorary President: Frank J. CONVERY, Environmental Defense Fund  
Policy Advisor: Herman R. J. VOLLEBERGH, PBL Netherlands Environmental Assessment Agency

## Sustainable EAERE 2016

### CO<sub>2</sub> compensation

CO<sub>2</sub> offsets collected during registration will be used to support an organic waste project in Nepal, which is carried out in collaboration with MyClimate.

### Give-aways and waste

It is the local organizers goal to keep waste as limited as possible. Therefore no conference bags and no giveaways, except a refill water bottle, will be distributed. To keep printing and paper consumption to a minimum, only the most important information are in the printed program booklet, while more detailed material is available on the internet.

### Local catering and tap water

The caterers will serve lunch and most dinners in a self-service style buffet to reduce food waste. Left-overs will be donated to a student association. Additionally, no plastic cups or bottles are used. Tap water is tasty, healthy and of excellent quality. There are over 1'500 fountains all over the city of Zurich to refill your bottle during the day.

### Wednesday, June 22<sup>nd</sup> - 19.30: Welcome Reception

We would like to welcome you Wednesday evening in the main hall of ETH Zurich. Begin the scientific gathering in company of old and new friends with a glass of wine and a tasting of Swiss tradition. At the rich buffets, you will get a glimpse of the variety of the Alpine cheese and meat mythology. The reception will be hosted in the neoclassical building of the polytechnic institute designed by Gottfried Semper (a professor of architecture at ETH at the time) and built from 1861 to 1864.

### Thursday, June 23<sup>rd</sup> – 19.00: Museum of Fine Arts 'Kunsthaus' and Focus Terra

Be part of our merry Swiss 'Grillparty' in the backyard of the Museum of Fine Arts. Whereas our carnivorous guest may savor the St. Galler Olma Bratwurst, our vegetarians can be looking forward to a vegi burger sizzling on the grill. This casual gathering accompanied by DJ Ricky, offers plenty of opportunities to engage with your fellows in a casual atmosphere. Don't miss the ice cream provided by the fine small company 'Gelati di Zurigo' before heading to the dance floor. For those who have separately registered for the guided tour in the Museum of Fine Arts or FocusTerra, please gather on time in front of the corresponding location. Discover some of the masterpieces of European art, spanning from the Middle Ages to the 21st century or learn about the formation, mining and use of mineral resources.

### Friday, June 24<sup>th</sup> – 19.30: Gala Dinner at 'Kongresshaus'

The conference dinner will be served in the Kongresshaus Zurich, right next to the lake of Zurich. It is a local institution of national and international renown. Recall that the dinner payment is not included in the discounted registration fee. Please find your place card in the name badge case and bring it to the conference dinner. Once seated, place it in front of your plate.

**EAERE 23**  
2017 Athens Greece  
28 June - 01 July  
Megaron Athens International Conference Centre

**See you in Athens**  
[www.eaere-conferences.org/2017](http://www.eaere-conferences.org/2017)

**Call for papers**  
You are invited to submit theoretical and applied papers in all areas of environmental and resource economics.

**Co-Chairs of Scientific Program Committee**  
Phoebe Koundouri  
Sir Partha Dasgupta

**Keynote Speakers**  
Graciela Chichilnisky  
Maria Damandaki  
Karine Nyborg  
Jeffrey Sachs TBC

**Local organizer**  
International Centre for Research on the Environment and the Economy  
[www.icreb.eu](http://www.icreb.eu)

**In collaboration with**  
Athens University of Economics and Business  
National and Kapodistrian University of Athens  
ATHENA  
Research and Innovation Center

**Under the auspices**  
CITY OF ATHENS

## Overview

### THURSDAY

11:00 Opening Ceremony  
Welcome note of the ETH rector

Lucas Bretschger  
Sarah Springman

11:10 Keynote lecture: Pietro Peretto

Chair: Lucas Bretschger

### FRIDAY

11:00 Award Ceremony  
Announcement of lifetime  
and practitioner award winners

Lucas Bretschger

11:15 Keynote lecture: Rohini Pande

Chair: Timo Goeschl

### SATURDAY

11:00 David Pearce Lecture:  
Matti Liski

Chair: Karen Pittel

12:05 Closing Ceremony:  
Poster Award  
ERE Paper Award

Lucas Bretschger and  
Ian Bateman

EAERE 2017 announcement

Phoebe Koundouri

## Keynote Lectures

Thursday, June 23, 11.00 - 12.15, F 30 / F 7

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### **Through Scarcity to Prosperity: A Theory of the Transition to Sustainable Growth - Pietro Peretto**

Duke University

Pietro Peretto is a professor at the department of economics at Duke University. He is the current Director for the Program on Determinants of Growth, Innovation and Technological Progress within the Innovation Center at Duke. His research focuses on subjects such as industrial organization, technological change, international trade, market structure, the environment and natural resources.

In his talk, Pietro Peretto integrates fertility choice and exhaustible resource dynamics in a tractable model of endogenous technological change. The analysis shows that, under the right conditions, the interdependence of population, resources and technology produces a transition from unsustainable resource-based growth to sustainable knowledge-based growth that consists of three phases: (1) an initial phase where agents build up the economy by exploiting exhaustible natural resources to support population growth; (2) an intermediate phase where agents turn on the Schumpeterian engine of endogenous innovation in response to population-led market expansion; (3) a terminal phase where growth becomes fully driven by knowledge accumulation and no longer requires growth of physical inputs. The last phase is crucial: not only economic growth no longer requires growth of physical inputs, but technological change also compensates for the exhaustion of the natural resource stock.

## Keynote Lectures

Friday, June 24, 11.00 - 12.15, F 30 / F 7

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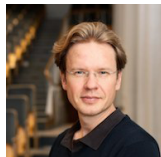
### **Towards Effective Implementation of Environmental Regulations: Learnings from India - Rohini Pande**

Harvard University

Rohini Pande is an economist and the Mohammed Kamal Professor of Public Policy at Harvard Kennedy School. She co-directs the Evidence for Policy Design (EPoD) Initiative. Her research examines the economic costs and benefits of informal and formal institutions and the role of public policy in affecting change.

An effective global response to climate change must build on local action in emerging economies. This talk considers the case of India and argues that successful environmental regulation will require investment in two elements of state capacity: robust and transparent information systems and regulatory mechanisms that correctly align the incentives of local actors. Drawing from a recent empirical literature, this talk will describe the impacts of such investments in state capacity and the political economy forces at work.





### David Pearce Lecture

In honor of the late David Pearce this series of lectures has the objective of giving a prominent space within the conference to the presentation of high quality work on the application of environmental economics to real policy making. We are very proud to welcome Prof. Dr. Liski as this year's presenter.

### Pricing Carbon: Lessons from Theory - Matti Liski

Aalto University, David Pearce Lecture

Matti Liski is a professor at the department of economics at Aalto University and a visiting professor at Toulouse School of Economics. His fields of interests are energy and environmental markets, natural resources, microeconomic theory, public economics, growth and industrial organization.

In his lecture Matti Liski will cover strategic interactions in resource commodity markets such as those related to the adoption of carbon-free technologies and the impact on carbon resource sellers' behavior. The conceptual foundations of the "carbon resource relationship" help in providing an overview of recent contributions on resource dependence and climate policy design. Historical narratives of past resource dependence problems and future scenarios will be discussed.

### Poster Tour 1 - Thursday, 10.30-11.00

#### **Heterogeneity in Residential Electricity Consumption: A Quantile Regression Approach**

Manuel Frondel, Rheinisch-Westfälisches Institut für Wirtschaftsforschung  
Co-Author(s): Stephan Sommer, Rheinisch-Westfälisches Institut für Wirtschaftsforschung and Colin Vance, Rheinisch-Westfälisches Institut für Wirtschaftsforschung

#### **Acclimate - A Dynamic, Agent-Based Model for Economic Loss-Propagation**

Christian Otto, Potsdam Institute for Climate Impact Research (PIK)  
Co-Author(s): Sven N. Willner, Potsdam University, Leonie Wenz, Potsdam University; Mercator Research Institute on Global Commons and Climate Change, Katja Frieler, Potsdam Institute for Climate Impact Research and Anders Levermann, Potsdam University; Lamont-Doherty Earth Observatory, Columbia University

#### **Assessing Future Sustainability by Forecasting Paths by Use of Genuine Savings, Inclusive Wealth, and Changes in Social Welfare**

Koji Tokimatsu, Tokyo Institute of Technology  
Co-Author(s): Rieko Yasuoka, System Research Center Co., LTD., Masahiro Nishio, National Institute of Advanced Science and Technology, Kazuhiro Ueta, Kyoto University and Kentaro Yoshida, Nagasaki University

#### **Assurance Contracts in Threshold Public Goods Provision With Incomplete Information**

Zhi Li, Xiamen University  
Co-Author(s): Yonghong An, Texas A&M University and Pengfei Liu, University of Connecticut

**Poster Tour 2 - Thursday, 13.15-13.45****Attributes in Discrete Choice Experiments: Good in Question and Context at the Same Time**

Jürgen Meyerhoff, Technische Universität Berlin

Co-Author(s): Julian Sagebiel, Institute for Ecological Economy Research (IÖW), Priska Weller, Institute of International Forestry and Forest Economics and Jette Bredahl Jacobsen, University of Copenhagen

**Ecological and Amenity Value of Urban Waterways: Using a Choice Experiment to Improve Management Options**

Bethany Cooper, La Trobe University and University of South Australia

Co-Author(s): Lin Crase, La Trobe University and University of South Australia and Michael Burton, University of Manchester and University of Western Australia

**Environmental Regulation and Sustainable Competitiveness: Evaluating the Role of Firm-Level Green Investments in the Context of the Porter Hypothesis**

Jana Stoever, University of Hamburg

Co-Author(s): John Weche

**Poster Tour 3 - Friday, 10.30-11.00****Incidence and Impact: The Regional Variation of Poverty Effects Due to Fossil Fuel Subsidy Reform**

Jun Rentschler, University College London

**Information on Outcome Uncertainty in Valuation: Effect on Choice Certainty and Consistency**

Anna-Kaisa Kosenius, University of Helsinki

**Making the News: Green Ngo Activity and Media Coverage**

Antoine Deymier, LAMETA

**Mapping of The Forest Recreation Service in Lorraine: Applying High-Resolution Spatial Data and Travel Mode Information**

Jens Abildtrup, LEF - INRA

Co-Author(s): Anne Stenger, LEF, Erwin Thirion, INRA, Teça Horokoski, LEF - INRA, Christian Piedallu, LERFoB and Vincent Perez, LERFoB

**Poster Tour 4 - Friday, 13.15-13.45****The Energy-Saving Effect of Air-Conditioner Replacement: Negative or Positive Rebound?**

Kenichi Mizobuchi, Matsuyama University

Co-Author(s): Kenji Takeuchi, Kobe University

**What Determines the Spatial Distribution of Nature Reserves in China?**

Jian Wu, School of Environment and Natural Resources

Co-Author(s): Yazhen Gong, Renmin University of China

**Where Did Our Nimby Go? The Spatial Concentration of Waste Disposal Sites in Japan**

Yuichi Ishimura, Kobe University

Co-Author(s): Kenji Takeuchi, Kobe University

**POLICY SESSION: A CIRCULAR ECONOMY IN EUROPE: RELEVANCE, ISSUES, AND POLICY OPTIONS - Room D 3. 2**

Chairperson: Robbert Droop, Ministry of Infrastructure and the Environment Netherlands  
 Organizer: Raimund Bleischwitz, UCL ISR  
 Speakers: Paul J.J. Welfens, University of Wuppertal and Roberto Zoboli, Catholic University of Milan / Ceris-CNR

**THEMATIC SESSION: UTILIZING LIVING RESOURCES UNDER ENVIRONMENTAL SHOCKS AND MARKET IMPERFECTIONS - Room D 5.2**

Chairperson: Olli Tahvonen, University of Helsinki  
 Organizer: Marie-Catherine Riekhof

BIODIVERSITY, RESILIENCE TO WEATHER SHOCKS AND RURAL INCOME IN THE TROPICS  
 Fredrick Noack, Bren School, UCSB

RESOURCE MANAGEMENT WITH CREDIT MARKET IMPERFECTIONS AND INSECURE PROPERTY RIGHTS  
 Christopher Costello, Bren School, UCSB

RESOURCE MANAGEMENT WITH CREDIT MARKET IMPERFECTIONS AND INSECURE PROPERTY RIGHTS  
 Christopher Costello, Bren School, UCSB

**INTERNATIONAL AGREEMENTS - ENERGY AND EMISSIONS - Room D 1.2**

Chairperson: Alfred Endres, FernUniversität in Hagen

REGIONAL ELECTRICITY COOPERATION AND TRADE IN SOUTH ASIA: ECONOMIC BENEFITS AND REGULATORY CHALLENGES  
 Mike Toman, Resources for the Future

THE PARIS PLEDGES: GLOBAL IMPLICATIONS FOR ENERGY SYSTEMS AND ECONOMIC IMPACT  
 Toon Vandyck, JRC, European Commission  
 Co-Author(s): Kimon Keramidas, JRC, Alban Kitous, JRC, Bert Saveyn, JRC and Zoi Vrontisi, JRC

SUPPLY VERSUS DEMAND-SIDE POLICIES IN THE PRESENCE OF CARBON LEAKAGE AND THE GREEN PARADOX

Cathrine Hagem, Statistics Norway  
 Co-Author(s): Halvor Briseid Storrøsten, Statistics Norway

SPREADING THE GREEN - HOW INTERNATIONAL EMISSION PERMIT MARKETS CAN HELP  
 Alfred Endres, FernUniversität in Hagen  
 Co-Author(s): Bianca Rundshagen, FernUniversität Hagen

**ENVIRONMENTAL SOCIOLOGY AND SOCIAL PSYCHOLOGY - Room E 33.1**

Chairperson: Paul J.J. Welfens, University of Wuppertal

CONSUMPTION DISCRETE CHOICE: SOCIAL NORMS AND SUSTAINABLE LIFESTYLES  
 Paolo Zeppini, University of Bath  
 Co-Author(s): Michael Finus, University of Bath

SELF-SERVING PERCEPTIONS OF THE SUCCESS OF CLIMATE NEGOTIATIONS  
 Sonja Zitzelsberger, University of Kassel  
 Co-Author(s): Astrid Dannenberg, University of Kassel and Alessandro Tavoni, London School of Economics

PAY LITTLE, GET LITTLE; PAY MORE, GET A LITTLE MORE: A FRAMED FOREST EXPERIMENT IN TANZANIA  
 Nystad Handberg, Norwegian University of Life Sciences  
 Co-Author(s): Arild Angelsen, Norwegian University of Life Sciences

DIGITAL AND TRADITIONAL INFORMATION SOURCES: IMPACT ON ENVIRONMENTAL CONCERN UND PROSPECTS FOR COOPERATION  
 Paul J.J. Welfens, University of Wuppertal

**RISK, UNCERTAINTY - APPLIED RESULTS - Room 33.3**

Chairperson: Adrian Lopes, American University of Sharjah

THE EFFECT OF TROPICAL CYCLONES ON ECONOMIC SECTORS WORLDWIDE: A PANEL DATA ANALYSIS USING GEODATA

Sven Kunze, Heidelberg University

HOW USEFUL ARE (CENSORED) QUANTILE REGRESSION FOR CONTINGENT VALUATION? EVIDENCE FROM A FLOOD SURVEY

Victor Champonnois, AMSE

Co-Author(s): Olivier Chanel, AMSE-CNRS-IDEP-GREQAM

POLICY INSTRUMENTS TO CONTROL AMAZON FIRES: A SIMULATION APPROACH

Thiago Morello, University of ABC

Co-Author(s): Jos Barlow, Nils Markusson, Lancaster University and Luke Parry, Lancaster University

POACHING AND THE DYNAMICS OF A PROTECTED SPECIES

Adrian Lopes, American University of Sharjah

Co-Author(s): Jon Conrad, Cornell University

**EMPIRICAL ANALYSIS - ENERGY AND ELECTRIC VEHICLES - Room F 3**

Chairperson: Jerome Dumortier, Indiana University, Purdue University Indianapolis

INSIGHTS INTO CONGESTION EVENTS IN ZONAL ENERGY MARKETS

Emmanuel Senyo Fianu, Leuphana University of Lueneburg

THE ROLE OF ENERGY LITERACY AND INFORMATION DISPLAY FOR THE CHOICE OF LIGHT BULBS AND HOUSEHOLD APPLIANCES

Julia Blasch, ETH Zurich

Co-Author(s): Nina Boogen, ETH Zurich, Massimo Filippini, ETH Zurich and Nilkanth Kumar, ETH Zurich

THE ROLE OF ENERGY PRICE ELASTICITIES FOR CLIMATE POLICIES

Michele Maurizio Malpede, Fondazione Eni Enrico Mattei

Co-Author(s): Johannes Emmerling, Fondazione Eni Enrico Mattei and Centro Euro-Mediterraneo sui Cambiamenti Climatici

THE ELECTRIC VEHICLE ATTITUDE-BEHAVIOR GAP: TARGETING THE EARLY MAJORITY

Jerome Dumortier, Indiana University - Purdue University Indianapolis

Co-Author(s): Sanya Carley, Indiana University, Kyle Clark-Sutton, Indiana University, John Graham, Indiana University, Rachel Krause, University of Kansas, Bradley Lane, University of Kansas and Saba Siddiki, Indiana University, Purdue University Indianapolis

**LAW AND THE ENVIRONMENT - Room E 23**

Chairperson: Christa Brunnschweiler, University of East Anglia

DIFFERENTIATING PERMITS ALLOCATION ACROSS AREAS: ECONOMIC AND LEGAL ANALYSIS

Jean-Philippe Nicolai, ETH Zurich

Co-Author(s): Caroline Devaux, Sciencespo and Jorge Zamorano-Ford, Paris I

NON-UNIFORM IMPLEMENTATION OF UNIFORM STANDARDS

Carmen Arguedas, Universidad Autónoma de Madrid

Co-Author(s): Dietrich Earnhart, University of Kansas and Sandra Rousseau, KU Leuven

PREEMPTIVE CONSERVATION OF ENDANGERED SPECIES

JunJie Wu, Oregon State University

Co-Author(s): Christian Langpap, Oregon State University

PROPERTY RIGHTS, OIL AND INCOME LEVELS: OVER A CENTURY OF EVIDENCE

Christa Brunnschweiler, University of East Anglia

Co-Author(s): Simone Valente, University of East Anglia

**DISTRIBUTION, SKILLS AND EMPLOYMENT - Room F 26.3**

Chairperson: Giovanni Marin, IRCrES-CNR, Italy & OFCE-SciencesPo

DISTRIBUTIONAL EFFECTS OF EU ENERGY AND CLIMATE POLICY ACROSS COUNTRIES AND INCOME LEVELS

Florian Landis, ETH Zurich

Co-Author(s): Peter Heindl, ZEW Mannheim

GONE WITH THE WIND? LOCAL EMPLOYMENT IMPACT OF WIND ENERGY INVESTMENT

Hélia Costa, Grantham Research Institute and LSE Cities, London School of Economics

Co-Author(s): Linda Veiga, University of Minho

WELFARE AND REDISTRIBUTION EFFECTS IN ENERGY MARKETS WITH SOLAR POWER

Fabian Feger, University of Bern

Co-Author(s): Nicola Pavanini, University of Zurich and Doina Radulescu, University of Bern

ENVIRONMENTAL REGULATION AND GREEN SKILLS: AN EMPIRICAL EXPLORATION

Giovanni Marin, IRCrES-CNR, Italy & OFCE-SciencesPo, France

Co-Author(s): Davide Consoli, Ingenio CSIC-UPV, David Popp, Syracuse University, Francesco Vona, OFCE SciencesPo

**RENEWABLE ENERGY - TECHNOLOGY AND DIFFUSION - Room E 5**

Chairperson: Wilhelm Althammer, HHL Leipzig Graduate School of Management

FIRST MOVER ADVANTAGE IN THE RENEWABLE ENERGY INDUSTRY: EVIDENCE FROM A GRAVITY MODEL

Onno Kuik, Vrije University of Amsterdam

Co-Author(s): Frederic Branger, CIRED and Philippe Quirion, CIRED

RENEWABLE ENERGY TECHNOLOGY ADOPTION AND THE DIFFUSION OF INFORMATION AND BEHAVIOR IN SOCIAL NETWORKS: EVIDENCE FROM RURAL CHINA

Pan He, ETH Zurich

Co-Author(s): Marcella Veronesi, University of Verona and ETH Zurich

SENSITIVITY OF MODELING RESULTS TO TECHNOLOGICAL AND REGIONAL DETAILS: THE CASE OF ITALY'S CARBON MITIGATION POLICY

Gabriele Standardi, Fondazione Eni Enrico Mattei

Co-Author(s): Yiyong Cai, CSIRO Commonwealth Scientific and Industrial Research Organisation and Sonia Yeh, University of California

ENVIRONMENTAL REGULATION AND INNOVATION IN RENEWABLE ENERGY TECHNOLOGIES

Wilhelm Althammer, HHL Leipzig Graduate School of Management

Co-Author(s): Henning Diederich, HHL Leipzig Graduate School of Management

**CHOICE MODELING - GENERAL AND APPLICATIONS - Room E 1.1**

Chairperson: Nick Hanley, University of Stirling

ASSESSING THE IMPACT OF THREE DIFFERENT OPT-OUT DEFINITIONS ON OPT-OUT EFFECTS, SIMPLIFICATION HEURISTICS, AND DECISION PARADIGMS IN DISCRETE CHOICE EXPERIMENTS

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DOES MORE TIME TO DELIBERATE AFFECT RESPONDENTS BEHAVIOUR IN A DISCRETE CHOICE EXPERIMENT? ASSESSING THE WELFARE IMPACTS OF FOREST CONSERVATION IN MADAGASCAR

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CHOICE CONSISTENCY AND PREFERENCE STABILITY IN TEST-RETESTS OF PAIRED DISCRETE CHOICE AND OPEN-ENDED WILLINGNESS TO PAY ELICITATION FORMATS

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SAD OR HAPPY? THE EFFECTS OF EMOTIONS ON STATED PREFERENCES FOR ENVIRONMENTAL GOODS

Nick Hanley, University of Stirling

**ENVIRONMENTAL POLICY - REGULATION COMPARISONS - Room E 1.2**

Chairperson: Anne-Sophie Crépin, The Beijer Institute of Ecological Economics

ENVIRONMENTAL POLICY AND THE BUSINESS CYCLE: THE ROLE OF ADJUSTMENT COSTS ON ABATEMENT

Francesca Diluio, Tor Vergata University

UNEMPLOYMENT AND ENVIRONMENTAL REGULATION IN GENERAL EQUILIBRIUM

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COMBINING PRICE AND QUANTITY CONTROLS UNDER PARTITIONED ENVIRONMENTAL REGULATION

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PRICE VERSUS QUANTITY WITH HYSTERETIC REGIME SHIFTS

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**CLIMATE CHANGE - IMPACTS - Room D 1.1**

Chairperson: Alexandra Vinogradova, ETH Zurich

CLIMATE CHANGE POLICY UNDER POLAR AMPLIFICATION

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CLIMATE CHANGE AND FOOD SECURITY: DO SPATIAL SPILLOVERS MATTER?

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CLIMATE DAMAGES ON PRODUCTION OR ON GROWTH: WHAT IMPACT ON THE SOCIAL COST OF CARBON?

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THE CLIMATE CHALLENGE FOR AGRICULTURE AND THE VALUE OF CLIMATE SERVICES:

APPLICATION TO COFFEE-FARMING IN PERU

Alexandra Vinogradova, ETH Zurich

**EXPERIMENTS I - Room E 22**

Chairperson: David McEvoy, Appalachian State University

LONG-LASTING EFFECTS OF TEMPORARY INCENTIVES IN PUBLIC GOOD GAMES: MONEY OR NOT MONEY?

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AN EXPERIMENTAL TEST OF WILLINGNESS-TO-PAY FOR THE RESOLUTION OF UNCERTAINTY

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COALITION FORMATION AND INEQUALITY AVERSION

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**ECOSYSTEM SERVICES, BIODIVERSITY - INTERNATIONAL AND TRANSBOUNDARY ASPECTS - Room E 26.5**

Chairperson: Hans-Peter Weikard, Wageningen University

TRANSNATIONAL PARKS: INTERNATIONAL PUBLIC GOODS?

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MAPPING RECREATIONAL ECOSYSTEM SERVICES AND ITS VALUE ACROSS EUROPE: A COMBINATION OF GIS AND META-ANALYSIS.

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THE VALUE OF ENDANGERED FOREST ELEPHANTS TO LOCAL COMMUNITIES IN A TRANSBOUNDARY CONSERVATION LANDSCAPE

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INTERNATIONAL COOPERATION ON BIODIVERSITY CONSERVATION WHEN SPATIAL STRUCTURES MATTER

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### **WATER - APPLICATION: BEYOND EUROPE - Room F 26.1**

Chairperson: Huanxiu Guo, Nanjing University

THE ECONOMIC VALUE OF WATER IN THE CHILEAN MANUFACTURING INDUSTRY.

Felipe Vasquéz, Universidad del Desarrollo

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ECONOMIC EVALUATION OF CLIMATIC CHANGE IMPACTS ON WATER RESOURCES AT RIVER BASIN SCALE: INSIGHTS FROM THE VERGARA RIVER BASIN - CHILE.

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THE GRAVITY OF WATER: WATER TRADE FRICTIONS IN CALIFORNIA

Charles Regnacq, Université de Pau et des pays de l'Adour

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THE IMPACT OF ENVIRONMENTAL MONITORING AND INSPECTION ON FIRMS' POLLUTION REDUCTION IN CHINA: EVIDENCE FROM THE REGRESSION DISCONTINUITY DESIGN

Huanxiu Guo, Nanjing University

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### **GROWTH AND TECHNICAL CHANGE - THEORY - Room G 26.1**

Chairperson: Andreas Schäfer, ETH Zurich

R&D, GROWTH, AND POLLUTION ABATEMENT

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GOING GREEN FOR ESTEEM: AN EXTENDED UZAWA-LUCAS MODEL WITH STATUS DRIVEN ENVIRONMENTALISM

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INTELLECTUAL PROPERTY RIGHTS PROTECTION IN THE PRESENCE OF EXHAUSTIBLE RESOURCES

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ENFORCEMENT OF INTELLECTUAL PROPERTY, POLLUTION ABATEMENT, AND DIRECTED TECHNICAL CHANGE

Andreas Schäfer, ETH Zurich

### **ENVIRONMENTAL POLLUTION, EXTERNALITIES - MARKETS - Room E 33.5**

Chairperson: Damien Dussaux, Grantham Research Institute on Climate Change and the Environment, LSE

OPTIMAL REPLACEMENT TIME FOR ELECTRONIC PRODUCTS

Ran Ben Malka, Ben Gurion University of the Negev

OPTIMAL SUBSIDIES TO RECYCLING UNDER DIFFERENT MARKET STRUCTURES WITH AND WITHOUT PRIVATE RECYCLERS

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YIELD VERSUS DISEASE - CAN MONOPOLIES IN SEED MARKETS IMPROVE WELFARE?

Sylwia Bialek, Goethe University Frankfurt

UNBUNDLING THE PORTER HYPOTHESIS, EVIDENCE FROM FRENCH MANUFACTURING FIRMS  
Damien Dussaux, Grantham Research Institute on Climate Change and the Environment, LSE

**FORESTRY - EMPIRICS I - Room G 26.5**

Chairperson: Paola Ovando, Grantham Research Institute, London School of Economics and Political Sciences (LSE)

COFFEE CERTIFICATION AND FOREST QUALITY: EVIDENCE FROM A WILD COFFEE FOREST IN ETHIOPIA  
Ryo Takahashi, Waseda University

FIREWOOD COLLECTIONS, FOREST CONDITIONS AND ECONOMIC GROWTH: LARGE EVIDENCE FROM RURAL NEPAL IN 2003-2010

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THE ROLE OF PROPERTY RIGHTS REGIMES IN STALLING DEFORESTATION ON THE YUCATAN PENINSULA

Daniela Miteva, The Nature Conservancy  
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SPATIAL VALUATION OF FORESTS' ENVIRONMENTAL ASSETS: AN APPLICATION TO ANDALUSIAN SILVOPASTORAL FARMS

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**FOSSIL ENERGY RESOURCES - THEORY I - Room E 21**

Chairperson: Robert Cairns, McGill University

MINING AND DYNAMICALLY OPTIMAL EMISSION TAX

Pauli Lappi, University of Helsinki  
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LONG-RUN DEVELOPMENT, RESOURCE EXTRACTION AND THE DYNAMICS OF ENERGY SUBSTITUTABILITY

Karen Pittel, ifo Institute

ENDOGENOUS GROWTH WITH A LIMITED FOSSIL FUEL EXTRACTION CAPACITY

Gilbert Kollenbach, University of Hagen

GREEN PARADOX OR HOTELLING CUL DE SAC?

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**POLICY SESSION: THE ROLE OF INSTITUTIONAL INVESTORS IN GREEN ENERGY FINANCING - HG Room D 3. 2**

Chairperson: David Bresch, ETH Zurich

Organizer: Carlo Carraro, Fondazione Eni Enrico Mattei and University Ca' Foscari of Venice

Speakers: Jane Wilkinson, Director Climate Policy Initiative and Etienne Espagne, CEPII

**THEMATIC SESSION: THE ROLES OF ENVIRONMENTAL NGOS - Room D 5.2**

Chairperson: Mireille Chiroleu-Assouline, University Paris 1 Pantheon-Sorbonne

Organizer: Mireille Chiroleu-Assouli, University Paris 1 Pantheon-Sorbonne

**MERCHANTS OF DOUBT: LOBBYING STRATEGY WHEN SCIENTIFIC CREDIBILITY IS UNCERTAIN**

Presented by Mireille Chiroleu-Assouline, University Paris 1 Pantheon-Sorbonne

**COMMUNICATION STRATEGIES OF NON-GOVERNMENTAL ORGANIZATIONS: THEORY AND EVIDENCE**

Presented by Matthieu Glachant, MINES ParisTech

**THE RISE OF NGO ACTIVISM**

Presented by Julien Daubanes, ETH Zurich

**HUMAN BEHAVIOR - BEHAVIORAL RESPONSES - Room E 33.1**

Chairperson: Timo Goeschl, University of Heidelberg

**ENERGY PERFORMANCE CERTIFICATION AND HOUSING RENTS: CAN CERTIFICATES HELP TO OVERCOME SPLIT INCENTIVES?**

Luisa Dressler, ECARES, SBS-EM, ULB

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**THE EFFECT OF REGISTRATION TAXES ON NEW CAR SALES AND EMISSIONS: EVIDENCE FROM SWITZERLAND**

Markus Bareit, CEPE, ETH Zurich

Co-Author(s): Anna Alberini, AREC, University of Maryland and Massimo Filippini, ETHZ

**HETEROGENEITY IN HOUSEHOLD RESPONSE TO GASOLINE PRICES AS A FUNCTION OF INCOME**

Aurélien Saussay, French Economic Observatory (Sciences Po / OFCE)

**NATURAL HAZARDS, PUBLIC INSURANCE, AND PRIVATE SELF-INSURANCE: TOTAL CROWDING OUT IN EMERGENCY DRINKING WATER**

Timo Goeschl, University of Heidelberg

**RISK, UNCERTAINTY - CONSUMERS - Room E 33.3**

Chairperson: Wei Hu, ETH Zurich

**HOUSEHOLD TIME AND RISK PREFERENCES AND ADAPTATION TO CLIMATE CHANGE**

Francisco Alpizar, Economics and Environment for Development, CATIE

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**CAN CROP INCOME INSURANCE WORK: A VIEW FROM THE DEMAND SIDE**

Carlos Dionisio Pérez Blanco, Fondazione Eni Enrico Mattei

**SELF-PROTECTION, INSURANCE, AND RISK SHARING - A CASE OF CATASTROPHE RISK**

Wei Hu, ETH Zurich

**DISCOUNTING - CLIMATE AND ENVIRONMENT - Room E 23**

Chairperson: Simon Dietz, LSE

**CARBON TRADING, CARBON TAXES AND SOCIAL DISCOUNTING**

Maria Elisa Belfiori, Colorado State University

**CLIMATE CHANGE AND LONG-RUN DISCOUNT RATES: EVIDENCE FROM REAL ESTATE**

Andreas Weber, New York University, Stern School of Business

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**NON-CONSTANT DISCOUNTING AND POLLUTION ABATEMENT IN AN ENDOGENOUS GROWTH MODEL**

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LOSING THE ENVIRONMENT: THE ENDOWMENT EFFECT AND ENVIRONMENTAL DISCOUNTING

Simon Dietz, LSE

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### **RENEWABLE ENERGY - Room E 5**

Chairperson: Wiktor Budzinski, University of Warsaw

INVESTMENT IN ENERGY EFFICIENCY, ADOPTION OF RENEWABLE ENERGY AND HOUSEHOLD BEHAVIOUR: EVIDENCE FROM OECD COUNTRIES

Prudence Dato, IREG, University Savoie Mont Blanc

FINDING COMMON GROUND WHEN EXPERTS DISAGREE: BELIEF DOMINANCE OVER PORTFOLIOS OF ALTERNATIVES

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OPTIMAL PRO-BIOFUEL POLICIES WITH LAND-USE INERTIA

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MARINE TRADE-OFFS: COMPARING THE BENEFITS OF OFF-SHORE WIND FARMS AND MARINE PROTECTED AREAS

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### **CHOICE MODELING - WATER AND FISHING - Room E 1.1**

Chairperson: Ian Bateman, University of Exeter

IS IT POSSIBLE TO TELL WHEN SOMEONE ANSWERS A STATED CHOICE EXPERIMENT TOO FAST OR TOO SLOW? SHORT ANSWER: NO, BUT WE CAN HAVE FUN TRYING TO

Danny Campbell, University of Stirling

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TESTING FRAMING AND SUBSTITUTION EFFECTS IN UNLABELED AND LABELED DISCRETE CHOICE EXPERIMENTS

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ELICITING PREFERENCES FOR INTRINSICALLY RISKY ATTRIBUTES

Anke Leroux, Monash University

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RIVER WATER QUALITY: WHO CARES, HOW MUCH AND WHY?

Ian Bateman, University of Exeter

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### **CLIMATE CHANGE - EMPIRICAL ASSESSMENT - Room D 1.1**

Chairperson: Peter Howard, New York University School of Law

DO WESTERN AND EASTERN EUROPE HAVE THE SAME AGRICULTURAL CLIMATE RESPONSE? THE IMPORTANCE OF A LARGE ADAPTIVE CAPACITY

Janka Vanschoenwinkel, Hasselt University

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ESTIMATING THE ECONOMIC IMPACT OF THE PERMAFROST CARBON FEEDBACK

Louise Kessler, Grantham Institute, LSE

AN ECONOMIC ASSESSMENT OF SOIL CARBON SEQUESTRATION WITH BIOCHAR IN GERMANY

Isabel Teichmann, German Institute for Economic Research (DIW Berlin)

FEW AND NOT SO FAR BETWEEN: A META-ANALYSIS OF CLIMATE DAMAGE ESTIMATES

Peter Howard, New York University School of Law

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**INTERNATIONAL AGREEMENTS - CLIMATE - Room D 1.2**

Chairperson: Scott Barrett, Columbia University

CLIMATE COALITION FORMATION WHEN PLAYERS ARE HETEROGENEOUS AND INEQUALITY AVERSE

Carsten Vogt, University of Bochum

TECHNOLOGY TREATIES AND CLIMATE CHANGE

Marie-Catherine Riekhof, ETH Zurich

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THE INCENTIVES TO NORTH-SOUTH TRANSFER OF CLIMATE-MITIGATION TECHNOLOGIES WITH TRADE IN POLLUTING GOODS

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AN EXPERIMENTAL INVESTIGATION INTO 'PLEDGE AND REVIEW' IN CLIMATE NEGOTIATIONS

Scott Barrett, The Johns Hopkins University

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**FOSSIL ENERGY RESOURCES - FIRMS, PRICES AND PRODUCTIVITY - Room E 21**

Chairperson: Francesco Ricci, Université de Montpellier (ART-Dev)

INNOVATION IN CLEAN COAL TECHNOLOGIES: EMPIRICAL EVIDENCE FROM FIRM-LEVEL PATENT DATA

Heike Wetzels, University of Kassel

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INTEGRATION OF PHYSICAL AND FUTURES PRICES IN THE US NATURAL GAS MARKET

Hamed Ghodusi, Stevens Institute of Technology

ENVIRONMENTALLY ADJUSTED MULTIFACTOR PRODUCTIVITY: METHODOLOGY AND EMPIRICAL RESULTS FOR OECD AND G20 COUNTRIES.

Miguel Cardenas Rodriguez, OECD

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CONTRACTING FOR RESOURCE MANAGEMENT: THE DILEMMA BETWEEN EXTRACTING INFORMATION AND EXTRACTING RESOURCE

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**EXPERIMENTS II - Room E 22**

Chairperson: Daan Van Soest, VU University, Tilburg University

MOVE IT! HOW AN ELECTRIC CONTEST MOTIVATES HOUSEHOLDS TO SHIFT THEIR LOAD PROFILE

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SOCIAL CAPITAL AND LARGE-SCALE AGRICULTURAL INVESTMENTS: AN EXPERIMENTAL INVESTIGATION IN CENTRAL ZAMBIA

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ARE CONSUMERS CONCERNED ABOUT PLASTIC WATER BOTTLES ENVIRONMENTAL IMPACT?

Caroline Orset, Economie Publique, INRA, AgroParisTech, Université Paris-Saclay

REWARDS AND COOPERATION IN SOCIAL DILEMMA GAMES

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**FINANCE AND ENVIRONMENT - Room F 26.3**

Chairperson: Kerry Krutilla, Indiana University

TRADER TYPES AND VOLATILITY OF EMISSION ALLOWANCE PRICES. EVIDENCE FROM EU ETS PHASE I

Anca Claudia Pana, University of Zurich

SHORT-TERM PRICE VOLATILITY IN COMMODITY MARKETS EXPLAINED NEWLINE - EVIDENCE FROM THE POWER SECTOR

Andreas Knaut, University of Cologne  
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PRINCIPAL VS. PRINCIPAL: RECONCILING ENVIRONMENTAL COMPLIANCE AND BUSINESS

Bernard Sinclair-Desgagné, HEC Montréal

A QUANTAL RESPONSE EQUILIBRIUM MODEL OF JURISDICTIONAL TAX COMPETITION

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### **DISTRIBUTION, POVERTY, AND ENVIRONMENT - Room F 26.5**

Chairperson: Anil Markandya, BC3 Basque Centre for Climate Change, University of Bath

ECONOMIC INEQUALITY AND ENVIRONMENTAL DEGRADATION: AN EXPERIMENTAL STUDY.

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LEFT IN THE DARK? OIL AND RURAL POVERTY

Brock Smith, University of Oxford and Samuel Wills, University of Oxford

DOES LARGE SCALE INFRASTRUCTURE INVESTMENT ALLEVIATE POVERTY? IMPACTS OF RWANDA'S ELECTRICITY ACCESS ROLL-OUT PROGRAM

Luciane Lenz, RWI Essen  
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RAIN OR SHINE? UNDERSTANDING CLIMATE VARIABILITY AND POVERTY REDUCTION IN THE INDIAN CONTEXT

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### **CONTINGENT VALUATION - Room F 26.1**

Chairperson: Christian Vossler, University of Tennessee

SCOPE EFFECTS IN CONTINGENT VALUATION: DOES THE STATISTICAL DISTRIBUTIONAL ASSUMPTION MATTER?

Nicolas Borzykowski, HEG Genève  
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VALUING WATER SUPPLY IMPROVEMENTS USING SUBJECTIVE WELL-BEING AND CONTINGENT VALUATION AS COMPLEMENTARY APPROACHES

Salvador del Saz-Salazar, University of Valencia  
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ELICITING PREFERENCES FOR PUBLIC GOODS IN NON-MONETIZED COMMUNITIES:

ACCOUNTING FOR PREFERENCE UNCERTAINTY  
Andreas Ponderfer, Kiel Institute for the World Economy  
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ALTERNATIVE VALUE ELICITATION FORMATS IN CONTINGENT VALUATION: A NEW HOPE

Christian Vossler, University of Tennessee  
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### **GROWTH AND TECHNICAL CHANGE - THEORY AND EMPIRICS - Room G 26.1**

Chairperson: Sturla Kvamsdal, SNF - Centre for Applied Research at NHH

GREEN INVENTIONS: IS WAIT-AND-SEE A REASONABLE OPTION?

Martin Woerter, ETH Zurich, KOF Swiss Economic Institute

INDUCED TECHNOLOGICAL CHANGE AND ENERGY EFFICIENCY IMPROVEMENTS

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## GLOBAL ENVIRONMENTAL POLICIES AND DIRECTED TECHNOLOGICAL CHANGE IN ELECTRICITY GENERATION

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## INDEXING OF TECHNICAL CHANGE IN AGGREGATED DATA

Sturla Kvamsdal, SNF, Centre for Applied Research at NHH

**ENVIRONMENTAL POLLUTION, EXTERNALITIES - BARGAINING AND OPTIMIZATION - Room E 33.5**

Chairperson: Marc Leandri, Université de Versailles Saint Quentin – CEMOTEV

## BARGAINING OVER NATURAL RESOURCES: GOVERNMENTS BETWEEN ENVIRONMENTAL ORGANIZATIONS AND EXTRACTION FIRMS

Mark Schopf, University of Paderborn  
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## CALIBRATION OF SHADOW VALUES IN CONSTRAINED OPTIMISATION MODELS OF AGRICULTURAL SUPPLY

Cloé Garnache, Michigan State University  
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## DOES INERTIA MATTER? OPTIMAL POLLUTION PATHS WITH TIME-DEPENDENT DEGRADATION OF ASSIMILATIVE CAPACITY

Marc Leandri, Université de Versailles Saint Quentin - CEMOTEV  
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**FORESTRY - CLIMATE CHANGE - Room G 26.5**

Chairperson: Pierre Mérel, University of California, Davis

## BALANCING RISKS FROM CLIMATE POLICY UNCERTAINTIES: THE ROLE OF OPTIONS AND REDUCED EMISSIONS FROM DEFORESTATION AND FOREST DEGRADATION (REDD)

Alexander Golub, American University  
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## BIOPHYSICAL AND ECONOMIC ANALYSIS OF CARBON DIOXIDE REMOVAL OPTIONS: FOREST SEQUESTRATION AND WOODY BIOMASS PRODUCTION FOR BECCS

Alice Favero, Georgia Institute of Technology

## ECONOMIC EVALUATION OF MASSIVE RESTORATION IN BRAZIL: HOW TO ACHIEVE THE INDC-BRAZIL TARGET

Andrea Lucchesi, University of São Paulo  
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## ON THE DERIVATION OF SECOND-BEST MARGINAL ABATEMENT COST CURVES

Pierre Mérel, University of California, Davis  
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**POLICY SESSION: THE SOCIAL DISCOUNT RATE FOR ASSESSING ENVIRONMENTAL POLICY: FROM THEORY TO POLICY IMPLICATIONS - Room D 3.2**

Chairperson: Phoebe Koundouri, Athens University of Economics and Business

Speakers: Christian Gollier, IDEI, Université de Toulouse, Ben Groom, London School of Economics and Aart de Zeeuw, Tilburg University

**THEMATIC SESSION: THE IMPLICATIONS OF CLIMATE CHANGE ADAPTION FOR PUBLIC FINANCE - Room D 5.2**

Organizer: Birgit Bednar-Friedl, University of Graz

COUNTERBALANCING THE EFFECTS OF CLIMATE CHANGE ADAPTATION ON PUBLIC BUDGETS: FACTOR TAXES, TRANSFERS, OR FOREIGN LENDING?

Gabriel Bachner, University of Graz

ANALYZING THE COORDINATED IMPACTS OF CLIMATE POLICIES FOR FINANCING ADAPTATION AND DEVELOPMENT ACTIONS

Elisa Delpiazzi, Centro Euro-Mediterraneo sui Cambiamenti Climatici

ITERATIVE CLIMATE RISK MANAGEMENT: OPERATIONALIZING METHODS AND TOOLS – THE CASE OF AUSTRIA

Thomas Schinko, International Institute for Applied Systems Analysis (IIASA)

**FOSSIL ENERGY RESOURCES - EMPIRICS - Room E 21**

Chairperson: Suphi Sen, Ifo Institute

CO<sub>2</sub>-EMISSIONS FROM NORWEGIAN OIL AND GAS EXTRACTION

Terje Skjerpen, Statistics Norway

HOW MUCH CAN CO<sub>2</sub> EMISSIONS BE REDUCED IF FOSSIL FUEL SUBSIDIES ARE REMOVED?

Gabriela Mundaca, University of Maryland at College Park

THE EFFECTIVENESS OF TAXING CARBON CONTENT OF ENERGY CONSUMPTION

Suphi Sen, Ifo Institute

Co-Author(s): Herman Vollebergh, Tinbergen Institute, Erasmus University Rotterdam

**INTERNATIONAL AGREEMENTS - Room D 1.2**

Chairperson: Emilson Silva, University of Alberta

AN EVOLUTIONARY APPROACH TO INTERNATIONAL ENVIRONMENTAL AGREEMENTS WITH FULL PARTICIPATION

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ENVIRONMENTAL TECHNOLOGY AND TIMING OF POLICY DECISION: EX-POST VS. EX-ANTE

Elias Asproudis, University of Swansea

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INTERNATIONAL ENVIRONMENTAL AGREEMENTS WITH ASYMMETRIC COUNTRIES: EFFECTS OF HETEROGENEITY ON STABILITY AND EFFECTIVENESS.

Irina Bakalova, KU Leuven

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SELF-ENFORCING AGREEMENTS UNDER UNEQUAL NATIONALLY DETERMINED CONTRIBUTIONS

Emilson Silva, University of Alberta

**HUMAN BEHAVIOR - EMOTIONS AND PERCEPTION - Room E 33.1**

Chairperson: Astrid Dannenberg, University of Kassel

EXPLORING PUBLIC PERCEPTION OF ENVIRONMENTAL TECHNOLOGY OVER TIME

Carola Braun, Kiel Institute for the World Economy

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CLEAN UP YOUR OWN MESS: AN EXPERIMENTAL STUDY OF MORAL STANDARDS AND EFFICIENCY

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VISUAL MEDIA IS MORE EFFECTIVE IN AVERTING HEAT STROKE MORTALITY THROUGH BEHAVIORAL CHANGES: A DAILY PANEL DATA ANALYSIS  
Saudamini Das, Institute of Economic Growth, Dehli University

GENEROSITY IN THE DICTATOR GAME: SHARING AND EXIT DECISIONS RECONSIDERED  
Astrid Dannenberg, University of Kassel  
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**ECOSYSTEM SERVICES, BIODIVERSITY - CONSERVATION AND PROTECTION - Room F 26.5**

Chairperson: Prasenjit Banerjee, University of Manchester

CREATING PROTECTED AREAS ON PUBLIC LANDS: IS THERE ROOM FOR ADDITIONAL CONSERVATION?  
Rodrigo Arriagada, Pontificia Universidad Catolica de Chile

VALUE OF IMPROVED INFORMATION ABOUT FOREST PROTECTION VALUES, WITH APPLICATION TO RAINFOREST VALUATION  
Sauleh Siddiqui, Johns Hopkins University  
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INTERNATIONAL COOPERATION FOR CONSERVATION OF THE WINTERING HABITAT OF THE GOLDEN-WINGED WARBLER: A SPATIAL ECONOMIC MODEL  
Irene Alvarado-Quesada, Wageningen University  
Co-Author(s): Hans-Peter Weikard, Wageningen University

GOING GREEN TO BE SEEN: THE CASE OF A VOLUNTARY MECHANISM FOR BIODIVERSITY PROTECTION ON FARMLAND  
Prasenjit Banerjee, University of Manchester  
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**RENEWABLE ENERGY - PRICING AND COSTS - Room E 5**

Chairperson: Sebastian Schwenen, Technical University of Munich

'HERE COMES THE SUN' WITH ITS QUALITY-ADJUSTED PRICE INDEX  
Tarek Harchaoui, University of Groningen  
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FOODS, FUELS OR FINANCES: WHICH PRICES MATTER FOR BIOFUELS?  
Karel Janda, Charles Uni  
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RENEWABLES VS. CONVENTIONAL POWER: PEAK-LOAD PRICING WITH DIFFERENT TYPES OF DISPATCHABILITY  
Matthias Mier, University Oldenburg  
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RENEWABLE ENERGY AND THE PRICING OF ELECTRICITY FUTURES  
Sebastian Schwenen, Technical University of Munich  
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**POPULATION AND ENVIRONMENT - Room E 1.1**

Chairperson: Gianni Guastella, Università Cattolica - Brescia (IT)

AVOIDANCE BEHAVIOR AGAINST AIR POLLUTION: DO PEOPLE RESPOND TO PM2.5 INFORMATION?  
Tong Liu, Hong Kong University of Science and Technology  
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"THE FALLING SPERM COUNTS STORY": A LIMIT TO GROWTH?  
Natacha Raffin, EconomiX, Université Paris Ouest Nanterre la Défense  
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## URBAN VS. RURAL LAND USE IN LARGE AND SMALL CITIES

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**CLIMATE CHANGE - EMPIRICAL RESULTS - Room D 1.1**

Chairperson: Charles Palmer, London School of Economics

## IMPACT OF INVESTMENT IN SNOWMAKING INFRASTRUCTURE AND NEW SKI LIFTS ON SKIER VISITS

Martin Falk, Austrian Institute of Economic Research

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## MARINE CONSTRUCTIONS AND ADAPTATION-COST TO CLIMATE CHANGE: THE ISRAELI CASE STUDY

Dafna DiSegni, Tel Aviv University

Co-Author(s): Menashe Bitan, University of Haifa and Dov Zviely, Ruppin Academic Center

## A MEXICAN RICARDIAN ANALYSIS: LAND RENTAL PRICES OR NET REVENUES?

Saul Basurto Hernandez, University of Birmingham

## ON THE CLIMATE COST OF PRESERVATION POLICIES: EVIDENCE FOR ENGLAND

Charles Palmer, London School of Economics

Co-Author(s): Christian Hilber, London School of Economics and Ted Pinchbeck, London School of Economics

**RISK, UNCERTAINTY - PREFERENCES - Room E 33.3**

Chairperson: Kentaka Aruga, Ishikawa Prefectural University

## ASSESSING THE ECONOMIC BENEFITS OF STRUCTURAL FLOOD PROTECTION: A REPEAT SALES APPROACH FROM THE ENGLISH HOUSING MARKET

Allan Beltran, University of Birmingham

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## EXTREME WEATHER AND RISK PREFERENCE: PANEL EVIDENCE FROM GERMANY

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## HETEROGENEITY IN NUCLEAR-RISK PERCEPTION. EVIDENCE FROM FUKUSHIMA ACCIDENT AND ENGLISH HOUSING MARKETS.

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## CONSUMER RESPONSES TO AGRICULTURAL PRODUCTS NEAR THE FUKUSHIMA NUCLEAR PLANT

Kentaka Aruga, Ishikawa Prefectural University

**ENVIRONMENTAL POLICY - TAXES - Room E 22**

Chairperson: Walid Oueslati, OECD

## EMISSION TAXES, CLEAN TECHNOLOGY COOPERATION, AND PRODUCT MARKET COLLUSION: EXPERIMENTAL EVIDENCE

Soo Keong Yong, Xi'an Jiaotong-Liverpool University

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## THE INCIDENCE OF A CARBON TAX

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## KEEPING PIGOU ON TRACKS: SECOND-BEST COMBINATIONS OF CARBON PRICING AND INFRASTRUCTURE PROVISION

Jan Siegmeier, Mercator Research Institute on Global Commons and Climate Change (MCC)

## EXPLORING THE RELATIONSHIP BETWEEN ENVIRONMENTALLY RELATED TAXES AND INEQUALITY IN INCOME SOURCES - AN EMPIRICAL CROSS-COUNTRY ANALYSIS

Walid Oueslati, OECD

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**ENVIRONMENTAL POLLUTION, EXTERNALITIES - DRIVING CHOICES - Room F 26.3**

Chairperson: Werner Antweiler, University of British Columbia

## COMMUTING IN HAPPYVILLE

Sophie Legras, INRA UMR 1041 Cesaer

## COMPARING THE DRIVING BEHAVIOR OF RURAL AND URBAN HOUSEHOLDS: EVIDENCE FROM THE U.K.

Mark Miller, University of Maryland

## TAXING VEHICLE MILES TRAVELED: THE TRAFFIC CHOICES EXPERIMENT IN THE PUGET SOUND REGION

Davide Cerruti, University of Maryland

## GREENER CARS OR GREENER DRIVERS? HOW CARBON AND FUEL TAXES INFLUENCE THE CHOICE AND USE OF CARS.

Werner Antweiler, University of British Columbia

Co-Author(s): Sumeet Gulati, University of British Columbia

**DISCOUNTING - THEORY AND APPLICATIONS - Room E 23**

Chairperson: Eli Fenichel, Yale University

## HOUSEHOLD HETEROGENEITY IN WILLINGNESS TO PAY FOR FUEL COST REDUCTIONS

Anna Sahari, Aalto University School of Business

## IS THERE AN ENERGY EFFICIENCY GAP IN HOUSEHOLDS' PURCHASES OF WHITE GOODS IN SWITZERLAND?

Marcel Stadelmann, ETH Zurich

## LOCUS OF CONTROL, HYPERBOLIC PREFERENCES, AND DEMAND FOR COMMITMENT AND SAVING: EVIDENCE FROM RURAL FARMERS IN ETHIOPIA

Kibrom Abay, University of Copenhagen

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## THE REPRESENTATIVE AGENT MUST DIE: USING DEMOGRAPHICS TO INFORM SOCIAL DISCOUNT RATES

Eli Fenichel, Yale University

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**WATER - APPLICATIONS: EUROPE - Room F 26.1**

Chairperson: Henrique Monteiro, Instituto Universitário de Lisboa (ISCTE-IUL), BRU-IUL

## A PROPOSAL FOR THE ANALYSIS OF PRICE ESCALATION WITHIN WATER TARIFFS. THE IMPACT OF THE WATER FRAMEWORK DIRECTIVE IN SPAIN

Marta Suárez-Varela, University of Valencia

Co-Author(s): Roberto Martínez-Espineira, Memorial University of Newfoundland

## NITRATES AND PEOPLE PERCEPTION: A HEDONIC APPLICATION

Emmanuelle Lavaine, University Savoie Mont Blanc

Co-Author(s): Henrik Andersson

## ACCOUNTING FOR HETEROGENEITY OF PREFERENCES FOR ENVIRONMENTAL IMPROVEMENTS: THE CASE OF COASTAL AND MARINE WATERS OF LATVIA

Mikołaj Czajkowski, University of Warsaw and Ewa Zawojcka, University of Warsaw

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## THE IMPACT OF PRICE AND CONSUMPTION AWARENESS ON RESIDENTIAL WATER DEMAND

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**ENVIRONMENTAL POLICY - EMISSION TRADING I - Room E 1.2**

Chairperson: Hidemichi Yonezawa, ETH Zurich

THE PRICE AND EMISSION EFFECTS OF A MARKET STABILITY RESERVE IN A COMPETITIVE ALLOWANCE MARKET

Maximilian Willner, University of Hamburg

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THE COMPETITIVENESS EFFECTS OF THE EUROPEAN UNION EMISSIONS TRADING SYSTEM

Frank Venmans, University of Mons

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MINIMUM PRICES IN THE EUROPEAN EMISSIONS TRADING SYSTEM

Hidemichi Yonezawa, ETH Zurich

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**GROWTH AND TECHNICAL CHANGE - THEORY AND NUMERICS - Room G 26.1**

Chairperson: Frédéric Gonand, University Paris-Dauphine

GREEN TAX REFORM, ENDOGENOUS INNOVATION AND THE GROWTH DIVIDEND

Christos Karydas, ETH Zurich

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KNOWLEDGE DIFFUSION, ENDOGENOUS GROWTH, AND THE COSTS OF GLOBAL CLIMATE POLICY

Lin Zhang, ETH Zurich

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POLLUTION EXTERNALITIES, ENDOGENOUS HEALTH AND THE SPEED OF CONVERGENCE IN AN ENDOGENOUS GROWTH MODEL

Torben Klarl, University of Augsburg

POLICIES LESSENING CARBON EMISSIONS: INTERGENERATIONAL REDISTRIBUTIVE EFFECTS AND THE INFLUENCE OF DEMOGRAPHICS

Frédéric Gonand, University Paris-Dauphine

**FORESTRY - REGULATION - Room G 26.5**

Chairperson: Ariaster Chimeli, University of Sao Paulo

PRICES VERSUS QUANTITIES IN FORESTRY: THEORY AND NUMERICAL ANALYSIS

Markku Ollikainen, University of Helsinki

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THE DUE DILIGENCE SYSTEM IN THE EU'S TIMBER REGULATION: NON-TARIFF TRADE BARRIER OR LEVERAGE EFFECT?

Jan Brusselaers, Ghent University

Co-Author(s): Jeroen Buysse, Ghent University and Guido Van Huylenbroeck, Ghent University

IMPLICATIONS OF A COMPLETE CARBON LIFE-CYCLE ANALYSIS FOR BOREAL FOREST MANAGEMENT IN CANADA

Geoff McCarney, University of Ottawa

PROTECTING THE RAINFOREST? THE CASE OF MAHOGANY PROHIBITION AND DEFORESTATION

Ariaster Chimeli, University of Sao Paulo

Co-Author(s): Rodrigo Soares, Sao Paulo School of Economics-FGV and IZA

**POLICY SESSION: TRADE AND CLIMATE POLICIES IN A POST-2020 WORLD - Room D 33.3**

Chairperson: ZhongXiang Zhang, Tianjin University

Speakers: Thomas Cottier, World Trade Institute, Carolyn Fischer, Resources for the Future/FEEM, Aik Hoe Lim, World Trade Organization and Scott Barrett, The Johns Hopkins University

**POLICY SESSION: LINKING RESEARCH AND POLICY-MAKING FOR INCLUSIVE GREEN GROWTH - Room D 3.2**

Chairperson: Francisco Alpizar, Economics and Environment for Development, CATIE

Organizer: Pranab Baruah, Global Green Growth Institute

Speakers: Edward B. Barbier, University of Wyoming, Steve Bass, International Institute for Environment and Development, Shailly Kedia, The Energy and Resources Institute and Inhee Chung, Global Green Growth Institute

**THEMATIC SESSION: WILLINGNESS TO PAY IN SPACE: NEW INSIGHTS INTO THE SPATIAL DIMENSION OF STATED PREFERENCES – Room D 5.2**

Organizer: Julian Sagebiel, Institute for Ecological Economy Research (IÖW)

A SIMPLE METHOD TO ACCOUNT FOR SPATIALLY DIFFERENT WILLINGNESS TO PAY ESTIMATES

Julian Sagebiel, Institute for Ecological Economy Research (IÖW)

QUESTIONING THE DISTANCE-ONLY PARADIGM: OPTIMIZED QUANTITY-WITHIN-DISTANCE VERSUS DISTANCE-DECAY MEASURES OF SPATIAL WELFARE HETEROGENEITY

Robert Johnston, Clark University

USING GEOGRAPHICALLY WEIGHTED CHOICE MODELS TO ACCOUNT FOR SPATIAL HETEROGENEITY OF PREFERENCES

Mikolaj Czajkowski, University of Warsaw

**SOCIAL NORMS AND ETHICS - Room D 33.1**

Chairperson: Martin Kesternich, Centre for European Economic Research (ZEW)

DESTRUCTIVE INTERGENERATIONAL ALTRUISM

Frikk Nesje, University of Oslo

Co-Author(s): Geir Asheim, University of Oslo

DO CONSUMERS CHOOSE TO STAY IGNORANT? THE CRITICAL ROLE OF INFORMATION FOR ETHICALLY CERTIFIED PRODUCTS

Simon Felgendreher, University of Gothenburg

A MODEL OF IDENTITY IN PUBLIC GOOD GAMES WITH APPLICATION TO THE LOW CARBON MOVEMENT

Fuhai Hong, Nanyang Technological University

Co-Author(s): Tat How Teh, National University of Singapore

THE POWER OF ACTIVE CHOICE: FIELD EXPERIMENTAL EVIDENCE ON REPEATED CONTRIBUTION DECISIONS TO A CARBON OFFSETTING PROGRAM

Martin Kesternich, Centre for European Economic Research (ZEW)

Co-Author(s): Florens Flues, OECD Paris and Daniel Roemer, Centre for European Economic Research (ZEW)

**INTERNATIONAL TRADE AND ENVIRONMENT - EMISSIONS - Room D 1.2**

Chairperson: Christoph Böhringer, Universität Oldenburg

DOES THE EU ETS CAUSE CARBON LEAKAGE IN EUROPEAN MANUFACTURING? A SECTOR-LEVEL ANALYSIS

Helene Naegele, DIW Berlin

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CARBON EMISSIONS EMBODIED IN RUSSIA'S TRADE

Igor Makarov, National Research University "Higher School of Economics"

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AUSTRIA'S CONSUMPTION-BASED EMISSIONS: IDENTIFYING SECTORAL ORIGINS AND DESTINATIONS

Karl Steininger, University of Graz

Co-Author(s): Pablo Munoz, United Nations University and Erick Velázquez, CETYS University

UNILATERAL EMISSION PRICING AND OPEC'S BEHAVIOUR

Christoph Böhringer, Universität Oldenburg

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### **CLIMATE ENGINEERING - Room E 1.1**

Chairperson: Juan Moreno-Cruz, Georgia Institute of Technology

CLIMATE ENGINEERING UNDER DEEP UNCERTAINTY AND HETEROGENEITY

Vassiliki Manoussi, Fondazione Eni Enrico Mattei

Co-Author(s): Johannes Emmerling, Fondazione Eni Enrico Mattei and Centro Euro-Mediterraneo sui Cambiamenti Climatici and Anastasios Xepapadeas, Athens University of Economics and Business

A SCHEME FOR JOINTLY TRADING OFF COSTS AND RISKS OF SOLAR RADIATION MANAGEMENT AND MITIGATION UNDER LONG-TAILED CLIMATE SENSITIVITY PROBABILITY DENSITY DISTRIBUTIONS

Elnaz Roshan, University of Hamburg

Co-Author(s): Hermann Held, University of Hamburg and Mohammad Mohammadi Khabbazan, University of Hamburg

A LIABILITY MODEL FOR REGIONAL SOLAR RADIATION MANAGEMENT IMPACTS

Tobias Pfrommer, Heidelberg University

CLIMATE TIPPING POINTS AND SOLAR GEOENGINEERING

Juan Moreno-Cruz, Georgia Institute of Technology

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### **HUMAN BEHAVIOR - SOCIAL NORMS AND ETHICS - Room E 33.1**

Chairperson: Marcella Veronesi, University of Verona and ETH Zurich

WILLINGNESS TO PAY FOR ENVIRONMENTAL QUALITY AND SOCIAL CAPITAL INFLUENCE IN SWEDEN

George Marbuah, Department of Economics, Swedish University of Agricultural Sciences

SHARING RULES IN COLLECTIVE FOREST MANAGEMENT

Maria Alló, University of Santiago de Compostela

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AN ONLINE EXPERIMENT ON COOPERATION AND GROUPISHNESS ACROSS URBAN DISTRICTS

Daniel Römer, Centre for European Economic Research (ZEW)

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SOCIAL IDENTITY, ATTITUDES TOWARDS COOPERATION, AND SOCIAL PREFERENCES: EVIDENCE FROM SWITZERLAND

Marcella Veronesi, University of Verona and ETH Zurich

Co-Author(s): Devesh Rustagi, Goethe University Frankfurt

### **ECOSYSTEM SERVICES, BIODIVERSITY - THEORETICAL ASPECTS - Room F 26.5**

Chairperson: Aart de Zeeuw, Tilburg University

COASEIAN BIODIVERSITY CONSERVATION. WHO BENEFITS?

Ruediger Pethig, University of Siegen

Co-Author(s): Thomas Eichner, Fernuniversität Hagen

THE DYNAMIC IMPLICATIONS OF TOURISM AND ENVIRONMENTAL QUALITY

Agustin Perez-Barahona, INRA and Ecole Polytechnique

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WEDNESDAY JUNE 22		EAERE Council 12:30 - 17:00		Regional Meeting 15:00 - 17:00		17:30 - 18:30		18:30 - 20:30	
		F 50.3 EAERE Council Meeting		E 33.5 Spain E 33.1 France F 26.1 China F 26.3 Greece F 26.5 Italy (4:00 - 5:00 PM)		F 50.3 Country Representative Meeting		Registration Welcome Reception	
JUNE 23		8:00 Parallel Sessions 1 8:30 - 10:30		11:00 - 12:15 12:15 - 13:45 Parallel Sessions 2 13:45 - 15:45		16:15 - 18:15 Parallel Sessions 3		18:00 19:00 - 23:00	
THURSDAY		Registration Desk: ETH Main Building		Coffee break Poster Session 1 - E Foyer (North) Plenary Lecture 1: Pietro Perrotto lunch break E 22 - ERE Board Meeting E 23 - WRE Board Meeting		Coffee break Poster Session 2 - E Foyer (North)		Guided tours: Museum of Modern Arts (18:00/19:00) Guided tours: Fouassiera (18:00 / 19:00) Swiss Grillfest @ Museum of Modern Arts	
JUNE 24		8:00 Parallel Sessions 4 8:30 - 10:30		11:00 - 12:15 12:15 - 13:45 Parallel Sessions 5 13:45 - 15:45		16:15 - 18:15 Parallel Sessions 6		20:00 - 23:00	
FRIDAY		Registration Desk: ETH Main Building		Coffee break Poster Session 3 - E Foyer (North) Award Ceremony Plenary Lecture 2: Rohini Pandey lunch break E 22 - ERE Board Meeting		Coffee break Poster Session 4 - E Foyer (North)		F 26.5 - ECCEP / GENCLIME Conference Dinner @ Kongresshaus	
JUNE 25		8:00 Parallel Sessions 7 8:30 - 10:30		11:00 - 12:20 12:30 - 14:30		14:45 - 16:45 Parallel Sessions 8			
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## WHEN CANCUN MET NAGOYA

Aude Pommeret, SEE City University of Hong Kong and IREGÉ

Co-Author(s): Alain Ayong Le Kama, EconomiX University Paris Ouest Nanterre

## OPTIMAL MANAGEMENT OF ECOSYSTEM SERVICES WITH POLLUTION TRAPS: THE LAKE MODEL REVISITED

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Co-Author(s): Dieter Grass, Vienna University of Technology and Anastasios Xepapadeas, Athens University of Economics and Business

**RENEWABLE ENERGY - THEORY - Room E 5**

Chairperson: Carsten Helm, University of Oldenburg

## SECOND-BEST RENEWABLE SUBSIDIES TO DE-CARBONIZE THE ECONOMY: COMMITMENT AND THE GREEN PARADOX

Armon Rezai, WU - Vienna University of Economics and Business

Co-Author(s): Frederic van der Ploeg, Oxford University

## ENERGY TECHNOLOGY INVESTMENTS AND POLICY REGULATIONS: WHEN THE SYSTEM MAY FREEZE

Hannes Weigt, University Basel

Co-Author(s): Anton Bondarev, University Basel

## POLLUTION ABATEMENT V.S. ENERGY EFFICIENCY IMPROVEMENTS

Jean Pierre Amigues, TSE-INRA

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## EFFICIENT DIFFUSION OF RENEWABLE ENERGIES - A ROLLER-COASTER RIDE

Carsten Helm, University of Oldenburg

Co-Author(s): Mathias Mier, University of Oldenburg

**ENVIRONMENTAL POLICY - VEHICLES, TAXES AND REBATES - Room E 1.2**

Chairperson: Costas Hadjiyiannis, University of Cyprus

## CARS, CARBON TAXES AND CO2 EMISSIONS

Julius Andersson, London School of Economics

## DISTRIBUTIONAL AND ENVIRONMENTAL EFFECTS OF AN EMISSIONS-DIFFERENTIATED CAR SALES TAX

Robin Stitzing, Aalto University

## IMPACT OF GREEN TAXATION ON RETIREMENT OF USED INEFFICIENT VEHICLES: THE SWISS CASE

Adan Leobardo Martinez-Cruz, ETH Zurich

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## DESIGNING FEEBATES

Costas Hadjiyiannis, University of Cyprus

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**CLIMATE CHANGE - LIABILITY, PREFERENCES, IMPACTS - Room D 1.1**

Chairperson: Emanuele Massetti, Georgia Institute of Technology

## COULD CLIMATE CHANGE LIABILITY HELP TO STRIKE A CLIMATE AGREEMENT? AN EXPERIMENT

Elisabeth Gsottbauer, University of Innsbruck

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## DO PUBLIC DECISIONS REFLECT CITIZENS' PREFERENCES?

Elin Spegel, Luleå University of Technology

## ENVIRONMENTAL PERFORMANCE AND EXPORT ACTIVITY: EVIDENCE FROM GERMAN FIRM-LEVEL DATA

Philipp Richter, TU Dresden

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HOW DO HEAT WAVES, COLD WAVES, DROUGHTS, HAIL AND TORNADOES AFFECT US AGRICULTURE?

Emanuele Massetti, Georgia Institute of Technology  
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### **RISK UNCERTAINTY - DECISIONS - Room E 33.3**

Chairperson: Marc Chesney, University of Zurich

OPTION VALUES AND DECISION THRESHOLDS: TOWARDS A DEFINITION OF ECONOMIC RESILIENCE

Todd Sanderson, The University of Sydney  
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ADAPTING LONG-LIVED INFRASTRUCTURE TO UNCERTAIN AND TRANSIENT CHANGE

Klaus Eisenack, Humboldt-University Berlin  
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WHY NOT INSURING FORESTS? - A BEHAVIORAL EXPERIMENT ON FORESTERS' INSURANCE DECISIONS

Philipp Albert Sauter, Georg-August-University of Goettingen  
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MITIGATING GLOBAL WARMING: A REAL OPTIONS APPROACH

Marc Chesney, University of Zurich  
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### **DISCOUNTING - THEORY - Room E 21**

Chairperson: Antony Millner, London School of Economics and Political Science

SOCIETAL DISCOUNTING AND STRATEGIC PUBLIC INVESTMENTS

Lassi Ahlvik, Aalto University

ESCAPING THE DICTATORSHIP OF THE PRESENT. TIME DOMINANCE FOR NOT TOO IMPATIENT DECISION MAKERS

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HETEROGENEOUS INTERGENERATIONAL ALTRUISM

Antony Millner, London School of Economics and Political Science

### **MIGRATION - Room F 26.3**

Chairperson: Diane Aubert, Université Paris 1 & PSE

CLIMATE INDUCED MIGRATION AND CONFLICTS

Cristina Cattaneo, Fondazione Eni Enrico Mattei, Centro Euro-Mediterraneo sui Cambiamenti Climatici  
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ENVIRONMENTAL SHOCKS, HETEROGENEOUS HOUSEHOLDS AND MIGRATION: A STUDY IN THAILAND

Katrina Mullan, University of Montana  
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POLICY AND JUSTICE IMPLICATIONS OF CLIMATE CHANGE INDUCED MIGRATION

Tabea Philipp, University of Kiel  
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ENVIRONMENTAL TAXATION, FRICTIONAL UNEMPLOYMENT AND MIGRATION IN A TWO REGION MODEL

Diane Aubert, Université Paris 1 & PSE

**EMPIRICAL ANALYSIS - AGRICULTURE AND POLLUTION - Room E 23**

Chairperson: Peter Christensen, University of Illinois

USING EXPERT ELICITATION TO REDUCE BENEFIT TRANSFERS: AN APPLICATION TO THE BALTIC SEA

Heini Ahtiainen, Natural Resources Institute Finland  
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HOW ON-ROAD TRAFFIC AFFECTS AIR QUALITY? - ANALYSIS OF THE NONLINEAR RELATIONSHIP BETWEEN VEHICLE TRAFFIC AND AIR POLLUTANTS IN BEIJING  
Ping Qin, Renmin University

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Hambulo Ngoma, Norwegian University of Life Sciences  
Co-Author(s): Arild Angelsen, Norwegian University of Life Sciences, Center for International Forestry Research

THE COST OF CONSERVATION IN AN EMERGING ECONOMY: SATELLITE EVIDENCE FROM CHINA'S FARMLAND PROTECTION PROGRAM  
Peter Christensen, University of Illinois

**WATER AND RESEVOIR MANAGEMENT - Room F 26.1**

Chairperson: Frank Jensen, University of Copenhagen

MANAGEMENT OF WATER RESOURCES IN ADVERSITY: THE ROLE OF SOCIAL NORMS  
Ariel Dinar, University of California, Riverside  
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DOWNSIDE RISK IN RESERVOIR MANAGEMENT  
Yigit Saglam, Victoria University of Wellington  
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DROUGHT AND GROUNDWATER MANAGEMENT

Frank Jensen, University of Copenhagen  
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**ENVIRONMENT AND DEVELOPMENT - NATURAL RESOURCES, MARKETS AND REGULATION - Room G 26.1**

Chairperson: Harold Houba, Vrije University Amsterdam

INNOVATION PRIZES FOR ENVIRONMENTAL R&D  
Michael Hoel, University of Oslo  
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MINING MATTERS: NATURAL RESOURCE EXTRACTION AND LOCAL BUSINESS CONSTRAINTS  
Steven Poelhekke, Vrije Universiteit Amsterdam  
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DEVOLUTION: DEFORESTATION OR FORESTATION? PANEL EVIDENCE FROM THE COLLECTIVE FOREST TENURE RIGHTS REFORM IN CHINA  
Yuanyuan Yi, University of Gothenburg

DAMMING TRANS-BOUNDARY RIVERS: A WELFARE ANALYSIS OF CONFLICT AND COOPERATION  
Harold Houba, Vrije Universiteit Amsterdam  
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**ENVIRONMENTAL POLLUTION, EXTERNALITIES - INFORMATION AND UNCERTAINTY - Room E 33.5**

Chairperson: Eric Mungatana, University of Pretoria

**A DRAGON EATING ITS OWN TAIL: PUBLIC INFORMATION ABOUT POLLUTION**

Chiara Ravetti, University of Oxford (OxCarre)

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**INFORMATION ACQUISITION IN COMMON POOL PROBLEMS**

Tuomas Laiho, Aalto University

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**IMPERFECT CERTIFICATION AND ECO-LABELLING OF PRODUCTS**

Sangeeta Bansal, Jawaharlal Nehru University

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**SCOPE EFFECTS OF RESPONDENT UNCERTAINTY IN CONTINGENT VALUATION: EVIDENCE FROM MOTORIZED EMISSION REDUCTIONS IN THE CITY OF NAIROBI, KENYA**

Eric Mungatana, University of Pretoria

Co-Author(s): Roy Brouwer, University of Waterloo, University of Pretoria

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Chairperson: Wiktor Budzinski, University of Warsaw

**THEORETICAL AND EMPIRICAL RESERVE PRICE IN FORESTRY: APPLICATION TO US FOREST SERVICE**

Francis Didier Tatoutchoup, University of Moncton

**PEATLAND FORESTS: OPTIMAL ROTATION AGE, IMPROVEMENT DITCHING EFFORT AND WATER PROTECTION**

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**TRIGGERING COOPERATION**

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**WITHIN- AND BETWEEN- SAMPLE TESTS OF PREFERENCE AND WTP STABILITY IN THE CASE OF PUBLIC FORESTS MANAGEMENT**

Wiktor Budziński, University of Warsaw

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**POLICY SESSION: CLIMATE AND ENERGY POLICY AFTER THE PARIS AGREEMENT  
- Room F 30**

Chairperson: Herman Vollebergh, Tinbergen Institute, Erasmus University Rotterdam  
Organizer: Lucas Bretschger, ETH Zurich  
Speakers: Thomas Sterner, University of Gothenburg, Scott Barrett, The Johns Hopkins University and Laurence Tubiana, Paris School of International Affairs of Sciences Po

**POLICY SESSION: THE ELECTRICITY MARKET IN 2025: EUROPEAN PERSPECTIVES  
- Room D 3.2**

Chairperson: Regina Betz, Zurich University of Applied Sciences (ZHAW)  
Organizer: Christian Schaffner, Energy Science Center (ESC), ETH Zurich  
Speakers: Frank Krysiak, University of Basel, Marion Labatut, Coordinator Wholesale Market Issues Eurelectric, Iain MacGill, University of New South Wales, Nick Frydas, ENTSO-E, Walter Steinmann, Director Swiss Federal Office of Energy and Urs Meister, Director Regulation Management BKW

**THEMATIC SESSION: THE ECONOMIC ANALYSIS OF PROTECTED AREAS - Room  
D 5.2**

Organizer: Philippe Delacote, INRA, Laboratoire d'Economie Forestière

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EFFECTIVENESS ON DEFORESTATION IN THE BRAZILIAN AMAZONIA  
Pascale Combes Motel, CERDI, University of Auvergne

EFFECTS OF WEATHER ON DAILY SCHOOL ATTENDANCE DECISIONS AND ACADEMIC  
PERFORMANCE IN RURAL COSTA RICA  
Laura Villalobos, Gothenburg University

MARINE PROTECTED AREAS IN LOWER INCOME COUNTRIES: LABOR ALLOCATION, LOCATION  
DECISIONS, AND INCOMPLETE ENFORCEMENT  
H. Jo Albers, University of Wyoming

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Chairperson: Bard Harstad, Esop University Oslo

BUY COAL FOR PRESERVATION AND ACT STRATEGICALLY ON THE FUEL MARKET  
Presented by Thomas Eichner, FernUniversität Hagen

CONSERVATION AGREEMENTS IN A DYNAMIC GAME  
Presented by Bard Harstad, Esop University Of Oslo

SECOND-BEST CARBON TAXATION IN THE GLOBAL ECONOMY THE GREEN PARADOX AND  
CARBON LEAKAGE REVISITED  
Presented by Frederick van der Ploeg, University of Oxford

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Chairperson: Marcel Oestreich, Brock University

VOLUNTARY DISCLOSURE AND INVESTMENT IN ENVIRONMENTAL TECHNOLOGY  
Yi Li, Zhongnan University of Economics and Law

TAKE FROM ONE TO GIVE TO ANOTHER: CLIMATE CHANGE MITIGATION FINANCED BY OTHERS  
Johannes Lohse, University of Heidelberg

TECHNOLOGICAL TRANSFERS IN GLOBAL CLIMATE POLICY - A STRATEGIC PERSPECTIVE  
Wolfgang Buchholz, University of Regensburg

ENFORCEMENT OF SOCIAL LICENSE  
Marcel Oestreich, Brock University  
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**HUMAN BEHAVIOR - ENERGY AND EMISSIONS - Room E 33.1**

Chairperson: Anna Alberini, University of Maryland

GERMAN CONSUMERS' WILLINGNESS TO PAY FOR CARBON EMISSION REDUCTIONS: A DISCRETE CHOICE ANALYSIS OF CONTEXT DEPENDENCE AND PROVIDER PARTICIPATION

Claudia Schwirplies, University Hamburg

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THE IMPACT OF RISK PREFERENCES ON WILLINGNESS TO PAY TO AVOID RENEWABLE ENERGY EXTERNALITIES

Anna Bartczak, Warsaw University

Co-Author(s): Susan Chilton, Newcastle University, Mikolaj Czajkowski, University of Warsaw and Jurgen Meyerhoff, Technische Universität Berlin

THE USE OF DEFAULTS IN GREEN ELECTRICITY MARKETS - EVIDENCE FROM A LABORATORY EXPERIMENT

Claus Ghesla, ETH Zurich

RESPONSES TO RESIDENTIAL ENERGY LABELING - SELLERS' EXPECTATIONS VERSUS PROPERTY-MARKET RETURNS

Anna Alberini, University of Maryland

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**RENEWABLE ENERGY - SUPPORT SCHEMES - Room E 5**

Chairperson: Reinhard Madlener, RWTH Aachen University / FCN

TRADABLE RENEWABLE QUOTA VS. FEED-IN TARIFF VS. FEED-IN PREMIUM UNDER UNCERTAINTY

Philippe Quirion, CIRED

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EFFECTS OF ATTRIBUTE-BASED REGULATION ON TECHNOLOGY ADOPTION - THE CASE OF FEED-IN TARIFFS FOR SOLAR PHOTOVOLTAIC

Robert Germeshausen, Centre for European Economic Research (ZEW)

CARBON ABATEMENT AND REVENUE EFFECTS OF RENEWABLE ENERGY SUPPORT

Mirjam Kosch, ETH Zurich

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AUCTION SCHEMES, BIDDING STRATEGIES AND THE COST-OPTIMAL LEVEL OF PROMOTING RENEWABLE ELECTRICITY IN GERMANY

Reinhard Madlener, RWTH Aachen University / FCN

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**ENVIRONMENTAL POLICY - EMISSION TRADING II - Room E 1.2**

Chairperson: Simone Borghesi, University of Siena

EUROPEAN CLIMATE POLICY AND INDUSTRIAL RELOCATION: EVIDENCE FROM GERMAN MULTINATIONAL FIRMS

Nicolas Koch, Mercator Research Institute on Global Commons and Climate Change (MCC)

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EXCHANGE RATE UNCERTAINTY IN LINKED CAP AND TRADE SYSTEMS WITH PRICE BOUNDS: THE CASE OF CALIFORNIA AND QUÉBEC

Charles Séguin, UQAM

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AN APPLICABLE STRATEGY FOR INTENSITY EMISSIONS TARGET IN FAST-GROWING ECONOMIES: THE EX-POST CAP ADJUSTMENT FOR CAP-AND-TRADE SYSTEM

Banban Wangle, Huazhong University of Science and Technology

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EU ETS FACETS IN THE NET: HOW ACCOUNT TYPES INFLUENCE THE STRUCTURE OF THE SYSTEM

Simone Borghesi, University of Siena

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**CLIMATE CHANGE - POLICY IMPACTS - Room D 1.1**

Chairperson: Ulrich Wagner, University of Mannheim

RESIDENTIAL ENERGY EFFICIENCY AND EUROPEAN CARBON POLICIES: A CGE-ANALYSIS WITH BOTTOM-UP INFORMATION ON ENERGY EFFICIENCY TECHNOLOGIES

Taran Fæhn, Statistics Norway

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APPLICATION OF COMPUTABLE GENERAL EQUILIBRIUM (CGE) ANALYSIS OF ENDOGENOUS CARBON PERMIT PRICE UNDER THE NEW ZEALAND EMISSIONS TRADING SCHEME

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OPTIMAL CARBON AND INCOME TAXATION

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THE CO-BENEFITS OF CLIMATE POLICY: EVIDENCE FROM THE EU EMISSIONS TRADING SCHEME

Ulrich Wagner, University of Mannheim

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**WATER - MARKET FAILURES AND REGULATION - Room D 1.2**

Chairperson: Eswaran Somanathan, Indian Statistical Institute

ESTIMATING THE IMPACT OF AGRI-ENVIRONMENTAL SCHEMES ON NUTRIENT LEACHING USING A WATERSHED FIXED-EFFECT MODEL

Martin Nordin, Lund University

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EFFICIENT WATER ALLOCATION AND BINDING HYDROLOGIC EXTERNALITIES

Levan Elbakidze, West Virginia University

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HYDROPOWER EXTERNALITIES: A META-ANALYSIS

Matteo Mattmann, Eawag / VU University Amsterdam

DRILLING IN THE DROUGHT? THE INDUSTRIAL ORGANIZATION OF GROUNDWATER

Eswaran Somanathan, Indian Statistical Institute

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**RISK, UNCERTAINTY - LAND USE - Room E 33.3**

Chairperson: Denis Nadolnyak, Auburn University

ENVIRONMENTAL DISASTER AND ELECTORAL CYCLE: AN EMPIRICAL ANALYSIS ON FLOODS AND LANDSLIDES IN ITALY

Andrea Rampa, Univeristy of Rome "Tor Vergata"

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LAND EXPECTATION VALUE AND OPTIMAL ROTATION AGE OF MARITIME PINE PLANTATIONS UNDER MULTIPLE RISKS

Claudio Petucco, AgroParisTech, INRA

A DISCRETE MIXTURE MODEL FOR CHOICES AMONG FOOD-SAFETY POLICY LOTTERIES.

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ESTIMATING LAND CONVERSION DYNAMICS IN A VOLATILE CLIMATE ZONE

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**MONITORING AND ENFORCEMENT I - Room E 21**

Chairperson: Aaron Hatcher, University of Portsmouth

A DYNAMIC ENFORCEMENT STRATEGY TO IMPROVE COMPLIANCE WITH ENVIRONMENTAL REGULATIONS

Xiao-Bing Zhang, Renmin University of China

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DISCRETIONARY ENFORCEMENT AND STRATEGIC INTERACTIONS BETWEEN FIRMS, REGULATORY AGENCY AND JUSTICE DEPARTMENT: A THEORETICAL AND EMPIRICAL INVESTIGATION

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INSTITUTIONAL TRUST AND WILLINGNESS-TO-PAY FOR WATER QUALITY IMPROVEMENT IN CHINA

José Maria Grisolia, Xi'an Jiaotong-Liverpool University

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CHOKE SPECIES, DISCARDS AND QUOTA PRICES IN MULTISPECIES FISHERIES

Aaron Hatcher, University of Portsmouth

### **SUSTAINABILITY - INTERTEMPORAL MODELLING - Room E 22**

Chairperson: Martin Quaas, Kiel University

SUSTAINABILITY OF AN ECONOMY RELYING ON TWO REPRODUCIBLE ASSETS

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NATURAL RESOURCE MANAGEMENT: COALITIONS, STOCK EFFECTS AND CONGESTION

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SOIL RESOURCE AND THE PROFITABILITY AND SUSTAINABILITY OF FARMS: SOIL QUALITY INVESTMENT MODELS

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SUSTAINABILITY AND SUBSTITUTABILITY IN A SOLVABLE GROWTH MODEL WITH IRREVERSIBLE CLIMATE CHANGE

Martin Quaas, Kiel University

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### **ENVIRONMENTAL POLLUTION, EXTERNALITIES - REGIONS AND NETWORKS -**

#### **Room F 26.3**

Chairperson: Erik Ansink, VU University Amsterdam

IMPLICIT CO2 PRICES OF FOSSIL FUEL USE IN SWITZERLAND

Reto Schleiniger, Zurich University of Applied Sciences

POLLUTION CONTROL IN A MULTIREGIONAL SETTING: A DIFFERENTIAL GAME WITH SPATIALLY DISTRIBUTED CONTROLS

Guiomar Martin-Herran, IMUVA, Universidad de Valladolid

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GREEN CONSUMERISM WITH NETWORK EFFECTS

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REDUCING STATE-FEDERAL CONFLICTS IN ENVIRONMENTAL POLICY: THE ROLE OF FISCAL TRANSFER DESIGN

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**ECOSYSTEM SERVICES, BIODIVERSITY - FARMING AND AGRICULTURE -****Room F 26.5**

Chairperson: Frederic Ang, University of Reading

PROTECTING BIODIVERSITY ON FARM LAND: WHICH TYPE OF ENVIRONMENTAL MEASURE DOES IT BETTER?

Montserrat Viladrich-Grau, Universitat de Lleida

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USING A DIRECTIONAL DISTANCE FUNCTION APPROACH TO VALUE ENVIRONMENTAL SERVICES: THE CASE OF LEGUME-BASED CROPPING SYSTEMS AND SYMBIOTIC NITROGEN

Robertson Khataza, School of Agricultural and Resource Economics, University of West Australia

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ECOSYSTEM ACCOUNTING FOR MEASURING TOTAL INCOME IN PRIVATE AND PUBLIC AGROFORESTRY FARMS

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ON THE OPPORTUNITY COST OF CROP DIVERSIFICATION

Frederic Ang, University of Reading

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**INTERNATIONAL AGREEMENTS AND TRADE - Room F 26.1**

Chairperson: Stefan Borsky, University of Southern Denmark

SELF-ENFORCING CLIMATE COALITIONS AND PREFERENTIAL FREE TRADE AREAS

Anja Zenker, Chemnitz University of Technology

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INTERNATIONAL CLIMATE AGREEMENTS AND STRATEGIC TRADE POLICY WITH CONSUMERS' TASTE FOR VARIETY

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A "NEW TRADE" THEORY OF TRANSBOUNDARY POLLUTION

Jevan Cherniwchan, University of Alberta

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TRADE, CONFLICTS AND NATURAL RESOURCES: A CLOSER LOOK AT THE DIAMOND MARKET

Stefan Borsky, University of Southern Denmark

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**ENVIRONMENT AND DEVELOPMENT - INDIA - Room G 26.1**

Chairperson: Anant Sudarshan, University of Chicago

ANALYSING ADOPTION OF SOIL CONSERVATION PRACTICES BY FARMERS IN DARJEELING DISTRICT, INDIA

Chandan Singha, Delhi University

HOW MUCH DOES NATURE MATTER? LAND SUITABILITY, IRRIGATION, AND AGRICULTURAL GROWTH IN INDIA

Ashley Gorst, London School of Economics

INDIAN CLIMATE POLICY IN A VIEW OF CHANGES IN SUMMER MONSOON RAINFALL UNDER ANTHROPOGENIC INTERFERENCE

Mariia Belaia, University of Hamburg, IMPRS-ESM

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THE IMPACT OF TEMPERATURE ON PRODUCTIVITY AND LABOR SUPPLY: EVIDENCE FROM INDIAN MANUFACTURING

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**EMPIRICAL ANALYSIS - REAL ESTATE - Room E 33.5**

Chairperson: Sofia Franco, Nova School of Business and Economics

ROBIN HOOD IN REVERSE? ASSESSING DISTRIBUTIONAL EFFECTS OF GREEN SPACE POLICY USING A SECOND STAGE HEDONIC HOUSE PRICE MODEL

Kathrine von Graevenitz, Centre for European Economic Research (ZEW)

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TREE CANOPIES. URBAN GREEN AMENITIES AND THE RESIDENTIAL REAL ESTATE MARKET: REMOTE SENSING AND SPATIAL HEDONIC APPLICATIONS TO LISBON, PORTUGAL

Jacob Macdonald, Nova School of Business and Economics

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PROPERTY RIGHTS AND LAND DISPUTES: THEORY AND EVIDENCE FROM ETHIOPIA

Jérémy Laurent-Lucchetti, University of Bern

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THE DETERMINANTS OF HOUSING PRICES IN LISBON, PORTUGAL WITH SPECIAL REFERENCE TO ENVIRONMENTAL AND HISTORIC AMENITIES

Sofia Franco, Nova School of Business and Economics

Co-Author(s): Jacob Macdonald, NovaSBE

**FISHERY - THEORY - Room G 26.5**

Chairperson: Eric Naevdal, Frisch UIO

EVALUATING EFFORT REGULATION IN MIXED FISHERIES: A COOPERATIVE GAME APPROACH

Xiaozi Liu, Institute of Economics, Academia Sinica

USE AND NON-USE VALUES IN AN APPLIED BIOECONOMIC MODEL OF FISHERIES AND HABITAT CONNECTIONS

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SPATIAL PROPERTY-RIGHTS FISHERIES WITH POTENTIAL REGIME SHIFT

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NEW INSIGHTS FROM THE CANONICAL FISHERIES MODEL

Eric Naevdal, Frisch UIO

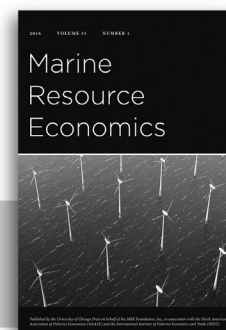
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**POLICY SESSION: WATER SCARCITY AND DROUGHT MANAGEMENT: THE ROLE OF ECONOMIC INSTRUMENTS IN THE EU AND AUSTRALIA - Room D 33.3**

Chairperson: Carlos Dionisio Perez-Blanco

Organizer: Adam Loch, University of Adelaide and David Adamson, University of Queensland

Speakers: Jaroslav Mysiak, Fondazione Eni Enrico Mattei, Carlos Mario Gomez, Universidad de Alcalá and Dolores Rey, Cranfield University

**POLICY SESSION: EMISSIONS TRADING IN CHINA, EUROPE AND THE US - WHERE WE ARE, AND WHERE WE WILL BE GOING AFTER COP 21, PARIS - Room D 3.2**

Chairperson: Frank Convery, University College Dublin

Organiser: ZhongXiang Zhang, Tianjin University

Speakers: Ger Klaassen, European Commission, DG Climate Action and Susanne Brooks, Environmental Defense Fund

**THEMATIC SESSION: CLIMATE IMPACTS AND INEQUALITY - Room D 5.2**

Chairperson: Francis Dennig, Yale-NUS College

**INEQUALITY AND THE SOCIAL COST OF CARBON**

Johannes Emmerling, Fondazione Eni Enrico Mattei and Centro Euro-Mediterraneo sui Cambiamenti Climatici

**THE COMPARATIVE IMPORTANCE FOR OPTIMAL CLIMATE POLICY OF TIME DISCOUNTING, INEQUALITY AVERSION, CATASTROPHES, AND THE REPRESENTATION OF INEQUALITIES**

Francis Dennig, Yale-NUS College

**THE IMPACTS OF CLIMATE CHANGE ON POVERTY IN 2030 AND THE POTENTIAL FROM RAPID, INCLUSIVE, AND CLIMATE-INFORMED DEVELOPMENT**

Stephane Hallegatte, World Bank

**VOLUNTARY APPROACHES I - Room E 23**

Chairperson: Takuro Miyamoto, Waseda University

**ECO-LABELLING, TRADE INTEGRATION, AND PRODUCTIVITY**

Vera Danilina, Aix-Marseille University (Aix-Marseille School of Economics), CNRS, & EHESS

**LEADERSHIP IN CLIMATE CHANGE MITIGATION: CONSEQUENCES AND INCENTIVES**

Gregor Schwerhoff, Mercator Research Institute on Global Commons and Climate Change (MCC)

Co-Author(s): Ulrike Kornek, Mercator Research Institute on Global Commons and Climate Change (MCC), Kai Lessmann, Potsdam Institute for Climate Impact Research and Michael Pahle, Potsdam Institute for Climate Impact Research

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**WHEN KINDNESS GENERATES UNKINDNESS: WHY POSITIVE FRAMING CANNOT SOLVE THE TRAGEDY OF THE COMMONS - AN EXPERIMENTAL INVESTIGATION.**

Elisabeth Isaksen, University of Oslo

Co-Author(s): Kjell Arne Brekke, University of Oslo and Andries Richter, Wageningen University

**DOES AN OPTIMAL VOLUNTARY APPROACH FLEXIBLY CONTROL EMISSIONS FROM HETEROGENEOUS FIRMS?**

Takuro Miyamoto, Waseda University

Co-Author(s): Ryo Ishida, Ministry of Finance Japan

**HUMAN BEHAVIOR - WASTE - Room E 33.1**

Chairperson: Anna Milford, Norwegian Institute of Bioeconomy Research-NIBIO

**WILLINGNESS TO PAY OF THE HOUSEHOLDS TO A WASTE MANAGEMENT IMPROVEMENT IN THE PRECARIOUS DISTRICTS OF ABIDJAN (CÔTE D'IVOIRE)**

Koné Noukignon, Université de Rouen

**USING A CHOICE EXPERIMENT TO ESTIMATE PEOPLE'S WILLINGNESS TO PAY FOR IMPROVED SOLID WASTE MANAGEMENT SERVICE IN THE KATHMANDU VALLEY OF NEPAL.**

Menuka Karki, Louisiana Tech University

Co-Author(s): Alok Bohara, University of New Mexico and Jennifer Thacher, University of New Mexico



A PRICE IS A GUIDE: INTERNALISED MOTIVATIONS AND THE ENGLISH CARRIER BAG CHARGE  
Luca Panzone, Newcastle University  
Co-Author(s): Shaun Larcom, University of Cambridge and Tim Swanson, Graduate Institute of Geneva

INTERNATIONAL AND DEVELOPMENT STUDIES - NUDGES TO INCREASE RECYCLING AND REDUCE WASTE  
Anna Milford, Norwegian Institute of Bioeconomy Research-NIBIO

**RENEWABLE ENERGY - SYSTEM INTEGRATION AND INTERMITTENCY - Room E 5**  
Chairperson: Silvia Concettini, Ecole Polytechnique

ELECTRICITY GRID AND STORAGE: COMPLEMENTS OR SUBSTITUTES?  
Paul Neetzow, Carl von Ossietzky University  
Co-Author(s): Anna Pechan, Carl von Ossietzky University

INCLUDING SYSTEM INTEGRATION OF VARIABLE RENEWABLE ENERGIES IN A CONSTANT ELASTICITY OF SUBSTITUTION FRAMEWORK: THE CASE OF THE WITCH MODEL  
Samuel Carrara, Fondazione Eni Enrico Mattei  
Co-Author(s): Giacomo Marangoni, Fondazione Eni Enrico Mattei

INTERMITTENCY AND TAXES, WHAT EFFICIENCY?  
Fadoua Chiba, Groupe de recherche en Economie théorique et appliquée

INTERMITTENT RENEWABLE GENERATION AND NETWORK CONGESTION: AN EMPIRICAL ANALYSIS OF ITALIAN POWER MARKET  
Silvia Concettini, Ecole Polytechnique  
Co-Author(s): Faddy Ardian, Ecole Polytechnique and Anna Creti, Université Paris Dauphine and Ecole Polytechnique

**EMPIRICAL MODELLING - Room E 1.1**  
Chairperson: Linda Nøstbakken, Norwegian School of Economics (NHH)

WHEN DO RESPONDENTS STATE THEIR PREFERENCES TRUTHFULLY?  
Ewa Zawojcka, University of Warsaw

VALUING ELECTRICITY-DEPENDENT INFRASTRUCTURE: AN ESSENTIAL-INPUT APPROACH  
Klaus Moeltner, Virginia Tech  
Co-Author(s): Jed Cohen, Virginia Tech, Johannes Reichl, Energy Institute at Johannes Kepler University, Linz, Austria and Michael Schmidthaler, Energy Institute at Johannes Kepler University, Linz, Austria

TRUTH-TELLING TO THE REGULATOR? EVIDENCE FROM A FIELD EXPERIMENT WITH COMMERCIAL FISHERMEN  
Moritz A. Drupp, University of Kiel  
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THE EXPECTED COST OF LAND USE REGULATION: EVIDENCE FROM CHANGING BORDERS AND BORDER DISCONTINUITY DESIGN  
Linda Nøstbakken, Norwegian School of Economics (NHH)  
Co-Author(s): Branko Boskovic, University of Alberta

**ENVIRONMENTAL POLICY - ALLOWANCE TRADING - Room E 1.2**  
Chairperson: Peter Heindl, Centre for European Economic Research (ZEW)

FREE ALLOCATION AND THE ENDOWMENT EFFECT IN CAP-AND-TRADE SYSTEMS: EVIDENCE FROM THE EUROPEAN ELECTRICITY SECTOR  
Aleksandar Zaklan, DIW Berlin

EXPLAINING THE INTERACTIONS OF THREE MARKETS: GREEN CERTIFICATES, ELECTRICITY AND CARBON EMISSION ALLOWANCES IN THE SWEDISH-NORWEGIAN GREEN CERTIFICATE SYSTEM.  
Sandra Schusser, Swedish University of Agricultural Science  
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ON DESIGNING AN EFFORT-SHARING MECHANISM UNDER EMISSION EFFICIENCY HETEROGENEITY  
Haoqi Qian, Fudan University  
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MARKET POWER AND TRANSFERABLE PROPERTY RIGHTS: THE ROLE OF UNCERTAINTY

Peter Heindl, Centre for European Economic Research (ZEW)

### **CLIMATE CHANGE - POLICY - Room D 1.1**

Chairperson: Reyer Gerlagh, Tilburg University

ADAPTATION FOR MITIGATION

Hiroaki Sakamoto, Chiba University

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CLIMATE POLICY MUST FAVOUR MITIGATION OVER ADAPTATION

Ingmar Schumacher, Banque Centrale du Luxembourg

CLIMATE POLICY AND CARBON LEAKAGE WITH FIRM HETEROGENEITY

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CLIMATE POLICY COMMITMENT DEVICES

Reyer Gerlagh, Tilburg University

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### **RISK, UNCERTAINTY - POLICY AND COOPERATION - Room E 33.3**

Chairperson: Mike Toman, Resources for the Future

PRICING CLIMATE RISK

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CATASTROPHE AND COOPERATION

Pim Heijnen, University of Groningen

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NON-COOPERATIVE AND COOPERATIVE CLIMATE POLICIES WITH ANTICIPATED

BREAKTHROUGH TECHNOLOGY

Niko Jaakkola, Ifo Institute

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ECONOMIC STRUCTURAL CHANGE AS AN OPTION FOR MITIGATING THE IMPACTS OF CLIMATE CHANGE

Mike Toman, Resources for the Future

### **MONITORING AND ENFORCEMENT II - Room E 21**

Chairperson: Alessandro Tavoni, LSE

GREEN LICENSES AND ENVIRONMENTAL CORRUPTION: A RANDOM MATCHING MODEL

Gianluca Iannucci, University of Florence

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LOBBYING, PRODUCT REGULATION AND INCOMPLETE ENFORCEMENT

Joschka Gerigk, ETH Zurich

GARBAGE IN AND GARBAGE OUT? ON WASTE HAVENS IN SWITZERLAND

Tobias Erhardt, University of Basel

THE ROLE OF MUTUAL MONITORING NETWORKS AND BELIEFS AND IN A COMMON POOL RESOURCE DILEMMA: EXPERIMENTAL EVIDENCE

Alessandro Tavoni, LSE

Co-Author(s): Carmen Marchiori, LSE and Ganga Shreedhar, LSE

### **ENVIRONMENTAL POLLUTION, EXTERNALITIES - GREENING THE ECONOMY - Room F 26.3**

Chairperson: Katinka Holtmark, University of Oslo

GLOBAL WARMING AS AN ASYMMETRIC PUBLIC BAD

Louis-Géтан Giraudet, CIRED

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## GREEN TAXES IN A POST-PARIS WORLD: ARE MILLIONS OF NAYS INEVITABLE?

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## UNCONDITIONAL AID AND GREEN GROWTH

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## GREEN TECHNOLOGY AND BANDITS

Katinka Holtmark, University of Oslo

**AGRICULTURE - Room F 26.5**

Chairperson: Martina Bozzola, EUI

## SPATIAL MODELLING OF NON-POINT NITROGEN LOADS TO FULFILL WATER QUALITY POLICIES

Berit Hasler, Aarhus University, Dep. of Environmental Science

Co-Author(s): Hans Estrup Andersen, Line Block Hansen, Mette Termansen and Maria Konrad, Aarhus University

## STRUCTURAL ANALYSIS OF IRRIGATION-WATER SUBSTITUTES TO FRESHWATER

Iddo Kan, Hebrew University of Jerusalem

Co-Author(s): Israel Finkelshtain, Hebrew University of Jerusalem and Mickey Rapaport-Rom, Haifa University

## THE ROLE OF TECHNOLOGY IN AVOIDING LEAKAGE FROM UNILATERAL MITIGATION TARGETS IN AGRICULTURE: THE CASE OF THE EU

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## CLIMATE, SHOCKS, WEATHER AND MAIZE INTENSIFICATION DECISIONS IN RURAL KENYA

Martina Bozzola, EUI

Co-Author(s): Di Falco Salvatore, UNIGE and Melinda Smale, MSU

**HEALTH AND ENVIRONMENT - Room F 26.1**

Chairperson: Olivier Deschenes, University of California

## THE IMPACT OF INDOOR BIOMASS FUEL USE ON STUNTING IN INDIAN CHILDREN

Souvik Datta, ETH Zurich

Co-Author(s): Anca Balietti, University of Zurich

## TEMPERATURE, MORTALITY AND INCOME INEQUALITY: EVIDENCE FROM MEXICO

Francois Cohen, London School of Economics

Co-Author(s): Matthieu Glachant, Mines ParisTech and Magnus Soderberg, University of Gothenburg

## ENVIRONMENTAL POLICY AND INEQUALITY: A MATTER OF LIFE AND DEATH

Karine Constant, EconomiX - Université Paris Ouest and GREQAM – AMSE

## MAYBE NEXT MONTH? TEMPERATURE SHOCKS, CLIMATE CHANGE, AND DYNAMIC ADJUSTMENTS IN BIRTH RATES

Olivier Deschenes, University of California

**ENVIRONMENT AND DEVELOPMENT - CLIMATE CHANGE - Room G 26.1**

Chairperson: Jagath Edirisinghe, Wayamba University of Sri Lanka

## CLIMATE CHANGE, AGRICULTURAL PRODUCTIVITY AND EDUCATION: THE CASE OF TANZANIA

Shaikh Eskander, London School of Economics

Co-Author(s): Mintewab Bezabih, London School of Economics, Razack Lokina, U Dar es Salam and Byela Tsigwa, U Dar es Salam

## CLIMATIC SHOCKS AND THE EMERGENCE OF THE RELUCTANT ENTREPRENEUR IN RURAL ETHIOPIA

Salvatore Di Falco, University of Geneva

Co-Author(s): Tesfamichael Assfaw, University of Hohenheim and Giacomo De Giorgi, NY FED

## CLIMATE POLICY UNDER EVOLVING CONSUMPTION PATTERNS: THE CASE OF CHINA

Giacomo Schwarz, ETH Zurich

Co-Author(s): Justin Caron, HEC Montréal and Valerie Karplus, Massachusetts Institute of Technology

## CLIMATE CHANGE IMPACTS AND LIVELIHOOD STRATEGIES: A CASE FROM SMALLHOLDER FARMERS IN SRI LANKA

Jagath Edirisinghe, Wayamba University of Sri Lanka

**INTERNATIONAL TRADE AND ENVIRONMENT - FIRMS AND REGULATION - Room E 33.5**

Chairperson: Jie He, Université de Sherbrooke

## INTERNATIONAL OUTSOURCING AND INNOVATION IN CLEAN TECHNOLOGIES

David Hémous, University of Zurich, Department of Economics

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## POLLUTION HAVEN AND CORRUPTION PARADISE

Elisa Dienesch, Sciences Po Aix

Co-Author(s): Fabien Candau, CATT, Université de Pau

## INTERNATIONAL COMMODITY TAXATION IN THE PRESENCE OF CROSS-BORDER POLLUTION

Fabio Antoniou, University of Ioannina

Co-Author(s): Panos Hatzipanayotou, Athens University of Economics and Business, Michael Michael, University of Cyprus and Nikos Tsakiris, University of Ioannina

## TRADE COMPOSITION AND CARBON CONTROL EFFORTS: CARBON LEAKAGE REVISIT BASED ON CARBON TERMS OF TRADE OF CHINA

Jie He, Université de Sherbrooke

Co-Author(s): Anping Huang, Sun Yat-sen University

**FISHERY - EMPIRICS - Room G 26.5**

Chairperson: Therese Lindahl, The Beijer Institute of Ecological Economics

## CONTROLLING AN INVASIVE SPECIES THROUGH CONSUMPTION: PRIVATE AND PUBLIC VALUES OF EATING LIONFISH

O. Ash Morgan, Appalachian State University

Co-Author(s): William Huth, University of West Florida and David McEvoy, Appalachian State University

## WATER QUALITY AND RECREATIONAL ANGLING DEMAND IN IRELAND

John Curtis, Economic &amp; Social Research Institute

## INTERNATIONAL TRADE AND FISHERIES MANAGEMENT: AN EMPIRICAL ANALYSIS

Sabrina Eisenbarth, University of Oxford

## DEALING WITH ABRUPT ECOSYSTEM CHANGES - EXPERIMENTAL EVIDENCE FROM A FISHING COMMUNITY IN THAILAND

Therese Lindahl, The Beijer Institute of Ecological Economics

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**POLICY SESSION: NUCLEAR POWER IN THE 21TH CENTURY - OLD QUESTIONS, NEW INSIGHTS? - Room D 5.3**

Organiser: Hannes Weigt, University of Basel

Speakers: Christian von Hirschhausen, DIW Berlin, Chloe le Coq, Stockholm School of Economics and Aya Kachi, University of Basel

**POLICY SESSION: EVIDENCE-BASED AND INCLUSIVE POLICYMAKING FOR CHINA'S GREEN TRANSFORMATION - Room F 26.5**

Chairperson: Jintao Xu, Peking University

Organizer: Wanxin Li, City University of Hong Kong

Speakers: Tomasz Kozluk, OECD, Xinling Feng, Institute for Global Environmental Strategies, Aiyu Qu, Chinese Academy for Environmental Planning, Qiong Wu, Chinese Academy for Environmental Planning and Peder Jensen, European Environment Agency

**POLICY SESSION: PUBLIC POLICY OPTIONS TO DRIVE CLEAN INNOVATION - Room D 3.2**

Chairperson: Geoff Mc Carney, University of Ottawa

Organiser: Antoine Dechezleprêtre, Grantham Research Institute on Climate Change and the Environment

Speakers: Carolyn Fischer, Resources for the Future, Nick Johnstone, OECD and Michael Grubb, UCL

**SUSTAINABILITY - DEVELOPMENT AND ETHICS - Room D 5.2**

Chairperson: Edward B. Barbier, University of Wyoming

RENEWABLE RESOURCES AND INEQUALITY AVERSION: WHAT CONSEQUENCES FOR THE FUTURE?

Stellio Del Campo, EconomiX, Paris Ovest University-Nanterre La Défense

CORRUPTION, INSTITUTIONS, AND SUSTAINABLE DEVELOPMENT: THEORY AND EVIDENCE FROM INCLUSIVE WEALTH

Rintaro Yamaguchi, Kyoto University

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SUPPORTING THE UN SDGS TRANSITION: METHODOLOGY FOR SUSTAINABILITY ASSESSMENT AND CURRENT WORLDWIDE RANKING

Lorenza Campagnolo, Fondazione Eni Enrico Mattei

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SUSTAINABILITY AND DEVELOPMENT

Edward B. Barbier, University of Wyoming

**EQUITY AND SOCIAL NORMS - Room E 33.1**

Chairperson: Andreas Ziegler, University of Kassel

EQUITY AS A FOUNDATION OF FUTURE CLIMATE POLICY

Max Meulemann, ETH Zurich

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EQUITY IMPLICATIONS OF THE COP21 INTENDED NATIONALLY DETERMINED CONTRIBUTIONS TO REDUCE GREENHOUSE GAS EMISSIONS

Adam Rose, U. of Southern California

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IF FUTURE GENERATIONS HAD A SAY: EXPERIMENTAL EVIDENCE ON RESOURCE SHARING WITH VETO POWER OF A FUTURE GENERATION

Stephan Wolf, University of Freiburg

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ECONOMIC CALCULUS OR PERSONAL AND SOCIAL VALUES? A MICRO-ECONOMETRIC ANALYSIS OF THE ACCEPTANCE OF THE GERMAN ENERGY TRANSITION

Andreas Ziegler, University of Kassel

**RENEWABLE ENERGY - POLICY MIXES - Room E 5**

Chairperson: Grischa Perino, University of Hamburg

INTERACTION BETWEEN CO2 EMISSIONS TRADING AND RENEWABLE ENERGY SUBSIDIES UNDER UNCERTAINTY: FEED-IN-TARIFFS AS A SAFETY NET AGAINST OVERALLOCATION

Oskar Lecuyer, University of Bern

Co-Author(s): Philippe Quirion, CIRED & CNRS

ON THE TRANSITION OF EUROPE'S POWER MARKET - CONSEQUENCES OF NATIONAL POLICIES

Christoph Weissbart, ifo Institute

DO RENEWABLE ENERGY POLICIES REDUCE CARBON EMISSIONS? ON CAPS AND INTER-INDUSTRY LEAKAGE

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**OTHER RENEWABLE RESOURCES - Room E 1.1**

Chairperson: Thorsten Upmann, University of Bielefeld

ECONOMIC INTEGRATION, POPULATION AND RESOURCE DEPLETION

Joshua Riti, Huazhong University of Science and Technology

LIVESTOCK AND CARNIVORES: ECONOMIC AND ECOLOGICAL INTERACTIONS

Anne Borge Johannesen, Department of Economics, NTNU

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MANAGING RENEWABLE RESOURCES FACING THE RISK OF REGIME SHIFTS

Xiaoli He, Tilburg University

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EXPLOITATION OF A RENEWABLE RESOURCE SITUATED AT DISCRETE PATCHES

Thorsten Upmann, University of Bielefeld

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**ENVIRONMENTAL TECHNOLOGY - Room E 1.2**

Chairperson: Eleftherios Filippiadis, University of Buckingham

VALUING DEMAND RESPONSIVENESS - USING HOUSES AS BATTERIES TO STORE ELECTRICITY

James Corbishley, Aalto University

THE REBOUND EFFECT IN ROAD TRANSPORT: A META-ANALYSIS OF EMPIRICAL STUDIES

Alexandros Dimitropoulos, OECD

Co-Author(s): Walid Oueslati, OECD and Christina Sintek, OECD

THE ROLE OF CAPACITY BUILDING ON TECHNOLOGY ADOPTION UNDER IMPERFECT COMPETITION

Baris Vardar, Paris School of Economics, Université Paris 1 and Université Catholique de Louvain

Co-Author(s): Thomas Fagart, Paris School of Economics, Université Paris 1 Panthéon-Sorbonne

ENVIRONMENTAL TECHNOLOGICAL CHOICE UNDER A COURNOT-BERTRAND MODEL WITH DIFFERENTIATED PRODUCT

Eleftherios Filippiadis, University of Buckingham

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**CLIMATE CHANGE - WEATHER AND STRATEGIES - Room D 1.1**

Chairperson: Ralph Winkler, University of Bern

WEATHER EFFECTS ON THE DEMAND FOR COASTAL RECREATIONAL FISHING: IMPLICATIONS FOR A CHANGING CLIMATE

Roger von Haefen, North Carolina State University

Co-Author(s): Steven Dundas, Oregon State University

THE STRATEGIC DIMENSION OF FINANCING GLOBAL PUBLIC GOODS

Ulrike Kornek, Mercator Research Institute on Global Commons and Climate Change

Co-Author(s): Ottmar Edenhofer, Mercator Research Institute on Global Commons and Climate Change

WHEN DO WEATHER EVENTS CAUSE ATTENTION TO CLIMATE CHANGE?  
Valentina Bosetti, Bocconi University and Matthew Sisco, Columbia University  
Co-Author(s): Elke Weber, Columbia University

THE INTRICACY OF ADAPTING TO CLIMATE CHANGE: FLOOD PROTECTION AS A LOCAL PUBLIC GOODS GAME  
Ralph Winkler, University of Bern  
Co-Author(s): Anton Bondarev, Beat Hintermann and Frank Krysiak, University of Basel

### **ENVIRONMENTAL POLICY - ENERGY AND ELECTRICITY - Room D 1.2**

Chairperson: Mark Andor, RWI

ENERGY TAX REFORM IN TIME OF CRISIS. THE CASE OF ENERGY-DEPENDENT AND OPEN ECONOMIES  
Emmanuel Combet, CIRED

DEMAND-SIDE MANAGEMENT BY ELECTRIC UTILITIES IN SWITZERLAND: ANALYZING ITS IMPACT ON RESIDENTIAL ELECTRICITY DEMAND  
Nina Boogen, ETH Zurich  
Co-Author(s): Souvik Datta, ETH Zurich and Massimo Filippini, ETH Zurich

HOW DOES THE PRESENCE OF HOV LANES AFFECT PLUG-IN ELECTRIC VEHICLE ADOPTION IN CALIFORNIA? A GENERALIZED PROPENSITY SCORE APPROACH  
Tamara Sheldon, University of South Carolina  
Co-Author(s): J.R. DeShazo, University of California

CONSUMER INATTENTION AND DECISION HEURISTICS: THE CAUSAL EFFECTS OF ENERGY LABEL ELEMENTS  
Mark Andor, RWI  
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### **RISK, UNCERTAINTY - QUANTITATIVE MODELLING - Room E 33.3**

Chairperson: Christian Traeger, UC Berkeley

BUILDING UNCERTAINTY INTO THE ADAPTATION COST ESTIMATION IN INTEGRATED ASSESSMENT MODELS  
Francesco Bosello, Fondazione Eni Enrico Mattei  
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ACTIVE LEARNING AND OPTIMAL CLIMATE POLICY  
In Chang Hwang, Korea Environment Institute

THE SOCIAL COST OF CARBON WITH ECONOMIC AND CLIMATE RISKS  
Thomas Lontzek, University of Zurich

AN ANALYTIC CLIMATE ECONOMY (WITH TEMPERATURE AND UNCERTAINTY)  
Christian Traeger, UC Berkeley

### **ENVIRONMENTAL POLICY - Room F 26.3**

Chairperson: Philippe Mahenc, University of Montpellier - Lameta

CORPORATE LOBBYING FOR ENVIRONMENTAL PROTECTION  
Felix Grey, University of Cambridge

THE EIRIN HYBRID SYSTEM DYNAMICS - AGENT BASED MODEL TO ASSESS THE ROLE OF GREEN FISCAL AND MONETARY POLICIES  
Irene Monasterolo, Frederick S. Pardee Center for the Study of the Longer Range Future  
Co-Author(s): Marco Raberto, University of Genova

WILL CONSUMERS VOLUNTARILY UNDERTAKE MORE PROENVIRONMENTAL ACTIONS WHEN IT IS EASIER? EVIDENCE FROM NEW YORK CITY?  
Meiping Sun, Columbia University

HONEST VERSUS MISLEADING CERTIFICATION  
Philippe Mahenc, University of Montpellier

**WATER - Room F 26.1**

Chairperson: Michele Baggio, University of Connecticut

## ACCOUNTING FOR NEEDS IN COST SHARING

Justin Leroux, HEC Montréal

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## OPTIMAL LAKE WATER EXTRACTION: QUANTITY, QUALITY, AND SEDIMENTATION

Majah-Leah Ravago, University of the Philippines

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## PROMOTION OF COOPERATION WHEN BENEFITS COME IN THE FUTURE: A WATER TRANSFER CASE

Francisco Cabo, IMUVa, Universidad de Valladolid

Co-Author(s): Katrin Erdlenbruch, Irstea, UMR G-EAU and Mabel Tidball, INRA, UMR Lameta

## ON THE EFFECTS OF HABITAT RESTORATIONS: AN APPLICATION TO RIVERS AND STREAMS

Michele Baggio, University of Connecticut

Co-Author(s): Charles Towe, University of Connecticut and Daniel Trussel, ETH Zurich

**ECOSYSTEM SERVICES, BIODIVERSITY - VALUATION AND INFORMATION - Room D 5.1**

Chairperson: Klaus Glenk, Scotland's Rural College (SRUC)

## SPATIAL COST TRANSFER: A CASE STUDY IN THE CANADIAN PRAIRIES

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Co-Author(s): Wiktor Adamowicz, University of Alberta, Scott Jeffrey, University of Alberta and James Unterschultz, University of Alberta

## HETEROGENEITY IN ENVIRONMENTAL PRACTICES - THE ROLE OF INFORMATION-BASED ENVIRONMENTAL POLICY

Faten Saliba, University of Manchester

## NON-MARKET VALUATION AND PARK PRICING: EVIDENCE FROM SOUTH AFRICA

Samson Mukanjari, University of Gothenburg

Co-Author(s): Eyoual Demeke, University of Gothenburg and Edwin Muchapondwa, University of Cape Town

## SERIAL NON-PARTICIPATION AND ECOSYSTEM SERVICE PROVIDERS' WILLINGNESS TO ACCEPT TO PARTICIPATE IN INCENTIVE-BASED SCHEMES

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**GROWTH AND TECHNICAL CHANGE - EMPIRICS - Room G 26.1**

Chairperson: Claudia Pellegrin, Ecole Polytechnique Fédérale de Lausanne

## CHINA'S PURSUIT OF ENVIRONMENTALLY SUSTAINABLE DEVELOPMENT: HARNESSING THE NEW ENGINE OF TECHNOLOGICAL INNOVATION

ZhongXiang Zhang, Tianjin University, College of Management and Economics

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## ENDOGENOUS GREEN TECHNOLOGY AND INDUCED POLICY EFFECTS: TESTING DIRECT AND INDIRECT IMPACTS

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## ENERGY PRICES AND ENVIRONMENTAL INNOVATION IN THE US METAL INDUSTRY

Balazs Stadler, University of East Anglia

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## ENVIRONMENTAL PROCESS INNOVATION AND PRODUCTION COST SAVINGS: AN EMPIRICAL ANALYSIS ON SWISS FIRM-LEVEL PANEL DATA

Claudia Pellegrin, Ecole Polytechnique Fédérale de Lausanne

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**FORESTRY - THEORY - Room G 26.5**

Chairperson: Jon Strand, University of Oslo

OPTIMAL FOREST MANAGEMENT IN A STOCHASTIC ENVIRONMENT AND UNDER A REGIME OF RECURSIVE PREFERENCES

Gaspard Dumollard, UMR Economie Publique, INRA

RATCHETING IN REGULATION OF RENEWABLE RESOURCES

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OPTIMALITY OF CONTINUOUS COVER VS. CLEARCUT REGIMES IN MANAGING FOREST RESOURCES

Janne Rämö, University of Helsinki

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MODELING THE MARGINAL VALUE OF RAINFOREST LOSSES: A DYNAMIC VALUE FUNCTION APPROACH

Jon Strand, University of Oslo

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Chairperson: Katrin Rehdanz, Christian-Albrechts-University Kiel

DOES STATED HAPPINESS AFFECTS PREFERENCES FOR URBAN GREEN SPACES? AN ANALYSIS OF STATED RESIDENTIAL CHOICES

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ESTIMATING DEMAND SCHEDULES IN HEDONIC ANALYSIS: THE CASE OF URBAN PARKS

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ARE REGIONAL DIFFERENCES IN UTILITY ELIMINATED OVER TIME? EVIDENCE FROM GERMANY

Katrin Rehdanz, Christian-Albrechts University Kiel

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**FOSSIL ENERGY RESOURCES - THEORY II - Room E 21**

Chairperson: Sjak Smulders, Tilburg University

AN ANALYSIS OF WHICH TYPES OF FOSSIL FUEL TO LEAVE IN THE GROUND

Marc Daube, University of St Andrews

DOUBLE LIMIT PRICING

Gerard van der Meijden, Vrije Universiteit Amsterdam

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FOSSIL RESOURCE MARKET POWER IN GENERAL EQUILIBRIUM

Waldemar Marz, Ifo Institute

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DYNAMIC RESOURCE MANAGEMENT UNDER WEAK PROPERTY RIGHTS: A TALE OF THIEVES AND TRESPASSERS

Sjak Smulders, Tilburg University

Co-Author(s): Mauricio Rodriguez, Tilburg University

**POLICY SESSION: POLICY LESSONS FROM FIELD EXPERIMENTS ON NATURAL RESOURCE MANAGEMENT (NRM) IN DEVELOPING COUNTRIES - Room F 26.5**

Organizer and Chairperson: Arild Angelsen, Norwegian University of Life Sciences  
 Speakers: Stefanie Engel, University of Osnabrück and Jetske Bouma, Netherlands Environmental Assessment Agency

**ENVIRONMENT AND DEVELOPMENT - EMISSIONS AND CLIMATE POLICY - Room D 5.2**

Chairperson: Antoine Dechezlepretre, London School of Economics

**ENVIRONMENTAL KUZNETS CURVE AND ENVIRONMENTAL CONVERGENCE: A UNIFIED EMPIRICAL FRAMEWORK FOR CO2 EMISSIONS**

Nguyen-Van Phu, CNRS & University of Strasbourg  
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**POOR AND PRUDENT VERSUS RICH AND EFFICIENT: HOW INEQUALITY AFFECTS EMISSIONS**

Michael Hübler, Leibniz Universität Hannover

**DON'T HELP OTHER COUNTRIES REDUCE LOCAL POLLUTION: ON THE INTERACTION OF TECHNOLOGY TRANSFERS AND CLIMATE POLICY**

Corina Haita-Falah, Kassel University  
 Co-Author(s): Achim Voss, University of Hamburg

**DO POLLUTION OFFSETS OFFSET POLLUTION? EVIDENCE FROM THE CLEAN DEVELOPMENT MECHANISM IN INDIA**

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**UTILITY WEIGHTS IN BENEFIT TRANSFER. A NORMATIVE OR POSITIVE ECONOMIC ARGUMENT?**

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**SURVEY-BASED ESTIMATES OF DEMAND FUNCTIONS FOR ROAD SAFETY**

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Chairperson: Sandra Rousseau, KU Leuven

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 Co-Author(s): Thomas M. Van Rensburg, NUI Galway

**DOES THE PRESENCE OF WIND TURBINES HAVE NEGATIVE EXTERNALITIES FOR PEOPLE IN THEIR SURROUNDINGS? EVIDENCE FROM WELL-BEING DATA**

Christian Krekel, German Institute for Economic Research, Paris School of Economics  
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**WILLINGNESS TO ACCEPT LOCAL WIND ENERGY DEVELOPMENT: DOES THE COMPENSATION MECHANISM MATTER?**

Jorge H Garcia, NRC-USEPA  
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**CONSUMERS AND CITIZENS: IDENTITY SALIENCE IN CHOICE SETTINGS FOCUSING ON LOCAL WIND TURBINES**

Sandra Rousseau, KU Leuven  
 Co-Author(s): Guido Pepermans, KU Leuven

**ENVIRONMENTAL POLICY - INNOVATION AND TECHNOLOGY - Room E 1.2**

Chairperson: Shouro Dasgupta, Fondazione Eni Enrico Mattei (FEEM) and Centro Euro-Mediterraneo per i Cambiamenti Climatici (CMCC)

**SUBSIDIZING GREEN TECHNOLOGIES: A ROBUST PERSPECTIVE**

Anton Bondarev, University of Basel  
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**INTRA-FIRM DIFFUSION OF GREEN ENERGY TECHNOLOGIES AND THE CHOICE OF POLICY INSTRUMENTS**

Tobias Stucki, ETH Zurich, KOF Swiss Economic Institute  
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**THE POLITICAL ECONOMY OF ENERGY INNOVATION**

Shouro Dasgupta, Fondazione Eni Enrico Mattei and Centro Euro-Mediterraneo per i Cambiamenti Climatici  
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Chairperson: Rintaro Yamaguchi, Kyoto University

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Anselm Schultes, Potsdam Institute for Climate Impact Research  
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**UNCERTAIN CATASTROPHIC EVENTS : ANOTHER SOURCE OF ENVIRONMENTAL INEQUALITIES?**

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**THE ROAD TO ACHIEVING EQUITABLE PARIS TARGETS: ENERGY TRANSITION AND BURDEN SHARING**

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**INTERGENERATIONAL DISCOUNTING WITH INTRAGENERATIONAL INEQUALITY IN CONSUMPTION AND THE ENVIRONMENT**

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**SUSTAINABILITY - Room D 1.2**

Chairperson: Ada Wossink, University of Manchester

**BETWEEN OSTROM AND NORDHAUS: THE RESEARCH LANDSCAPE OF SUSTAINABILITY ECONOMICS**

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**A SPATIAL-THEORETICAL APPROACH TO ASSESS THE SUSTAINABILITY OF ALTERNATIVE FOOD NETWORKS**

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**MODELING THE SURFACE-GROUNDWATER INTERFACE FOR SUSTAINABLE BASIN MANAGEMENT**

Mohamed Taher Kahil, IIASA, Austria  
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**ECOLABELS AND THE ECONOMIC RECESSION**

Ada Wossink, Department of Economics, University of Manchester, UK  
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**UNCERTAINTY - Room E 33.3**

Chairperson: Till Requate, University of Kiel

## MEASURING KNIGHTIAN UNCERTAINTY

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## UNCERTAINTY AND THE INTERNAL STABILITY OF CLIMATE COALITIONS - A MONTE-CARLO ANALYSIS IN THE MODEL OF INTERNATIONAL CLIMATE COALITIONS

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## POOLING CORRELATED RISKS IN A COMMUNITY

Arnaud Goussebaile, Ecole Polytechnique

Co-Author(s): Louaas Alexis, Ecole Polytechnique

## UNCERTAIN FUTURE ENVIRONMENTAL DAMAGE AND INCENTIVES OF UNCERTAINTY REDUCTION ON ENVIRONMENTAL DAMAGE UNDER DIFFERENT LIABILITY RULES

Till Requate, University of Kiel

Co-Author(s): Aditi Sengupta, Auburn University

**FOSSIL ENERGY - Room E 21**

Chairperson: Corrado Di Maria, University of East Anglia

## VERTICAL SEPARATION OF TRANSMISSION CONTROL AND MARKET POWER IN THE WHOLESALE ELECTRICITY MARKET

Yin Chu, Zhongnan University of Economics and Law

## THE FINANCIAL IMPACT OF DIVESTMENT FROM FOSSIL FUELS

Bert Scholtens, University of Groningen

Co-Author(s): Auke Plantinga, University of Groningen

## A MARKET MECHANISM FOR REGULATED CLOSURE OF EMISSIONS INTENSIVE POWER PLANTS

Frank Jotzo, Australian National University

Co-Author(s): Salim Mazouz, Ecoperspectives

## ELECTORAL INCENTIVES AND FIRM BEHAVIOR - EVIDENCE FROM US POWER PLANT POLLUTION ABATEMENT

Corrado Di Maria, University of East Anglia

Co-Author(s): Matthew Doyle, Colorado School of Mines, Ian Lange, Colorado School of Mines and Emiliya Lazarova, University of East Anglia

**INTERNATIONAL TRADE AND ENVIRONMENT - EMPIRICS - Room E 22**

Chairperson: Natalia Zugravu-Soilita, University of Versailles Saint-Quentin-en-Yvelines

## THE IMPACT OF WEATHER SHOCKS ON TRADE DIVERSIFICATION

Ingrid Dallmann, University Paris-Sud (RITM)

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## THE POWER OF MANDATORY DISCLOSURE: EVIDENCE FROM THE GERMAN HOUSING MARKET

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CO2 EMISSIONS FROM THE RESIDENTIAL SECTORS IN EUROPE: DRIVERS AND DISTRIBUTIVE CONSEQUENCES

Mouez Fodha, Université de Paris I  
Co-Author(s): Dorothee Charlier, University Montpellier 1 and Djamel Kirat, University of Orleans

**ENVIRONMENTAL POLLUTION, EXTERNALITIES - IMPACTS - Room F 26.5**

Chairperson: David Good, Indiana University

REGIONAL CLIMATES, IMPACTS, AND STRATEGIC SRM

Johannes Emmerling, Fondazione Eni Enrico Mattei and Centro Euro-Mediterraneo sui Cambiamenti Climatici  
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THE DEMAND FOR AIR QUALITY: A CASE STUDY IN BOGOTÁ, COLOMBIA

Fernando Carriazo, Universidad de Los Andes  
Co-Author(s): John Alexander Gomez, Universidad de Los Andes

GREENHOUSE GASES, TIME AND ECONOMICS : THE LAND USE CHANGE TIME-ACCOUNTING FAILURE

Marion Dupoux, Economix - University Paris 10

THE EFFECT OF DIFFERENTIAL FINE PARTICLE TOXICITY ON THE ECONOMIC EVALUATION OF AIR POLLUTION REGULATIONS

David Good, Indiana University  
Co-Author(s): Katie Fledderman, Indiana University, John Graham, Indiana University and Kerry Krutilla, Indiana University

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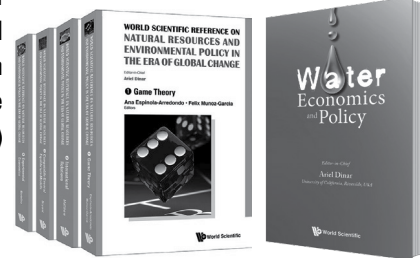
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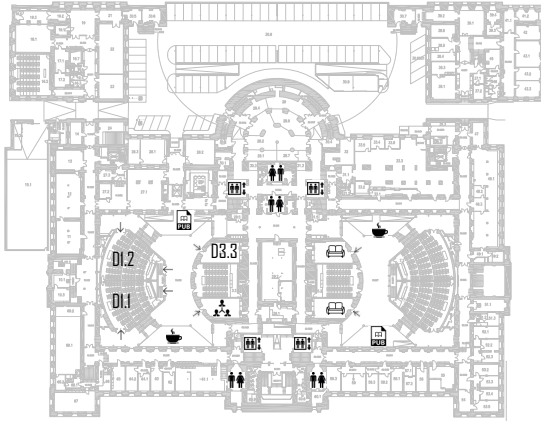
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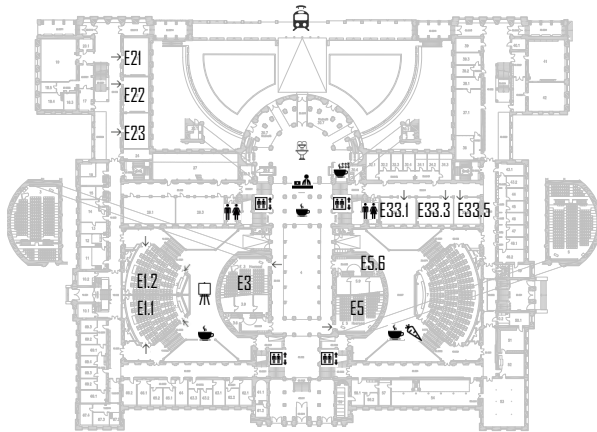
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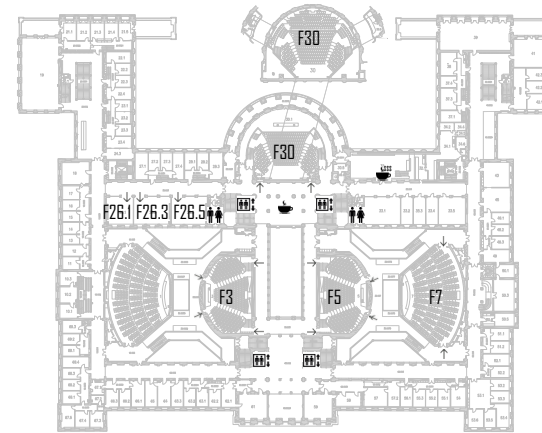
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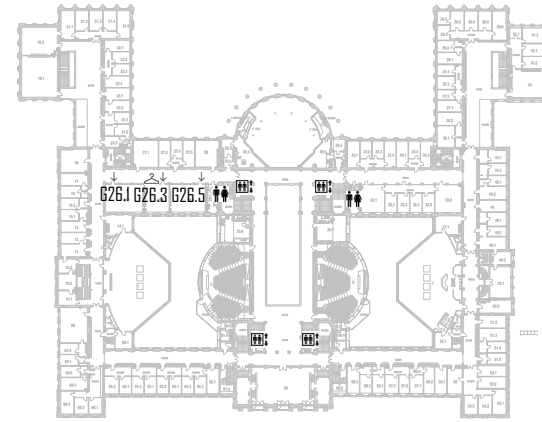
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