

S E E P S
A E R E
E A E R E
A L E A R

PROGRAM



**Third World Congress of
Environmental and Resource Economists**
Kyoto International Conference Hall, Kyoto, Japan July 3-7, 2006

第3回環境経済学世界大会 2006年7月3日(月)～7日(金) 京都国際会館

● 大会組織委員会委員長 佐和隆光(京都大学経済研究所) ● お問い合わせ/Mail wc3-info@congre.co.jp <http://www.worldcongress3.org/>

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WELCOME TO THE THIRD WORLD CONGRESS

Ladies and Gentleman, we would like to celebrate the fact that so many people have joined the World Congress. The World Congress of Environmental and Resource Economists first convened in Venice, in 1998, with the aim of becoming a place for global communication among economists concerned about environmental/resource issues and policies. The Congress has met every four years since that time, the second was in Monterey, in 2002, and this year it has assembled here in Kyoto - the first gathering to be held outside Europe and the United States. As the first Congress to be held in Asia, there has been a strong increase in the number of participants from Asian countries as well as those from non-Western regions, and a total of more than 60 countries are now represented. We would like to celebrate, with all of you, an event that has literally become a "World" Congress.

Humanity is faced with the question of how to realize the sustainable development of society. We have, for instance, to find an intragenerational and intergenerational equitable solution to the issue of climate change. What do we have to do in order to transition into a sustainable society? The development of Environmental and Resource Economics will contribute to the solution to such profound questions. It is suggestive that this Congress is being held in Kyoto, the place where the Kyoto Protocol was adopted.

It is our hope that through an active exchange of ideas, the participants will be able to deepen their interactions, so the world may see that our efforts can contribute to the development of a sustainable society. We also urge you to enjoy the city of Kyoto, one of the most beautiful cities in the world. In closing, we would like to thank all those involved in the preparation of this event, and celebrate its success.

Richard Carson
President, AERE

Anastasios Xepapadeas
President, EAERE

Kazuhiro Ueta
President, SEEPS

GREETINGS FROM LOCAL ORGANIZING COMMITTEE

It gives us immense pleasure and a sense of honor to be able to organize the 3rd World Congress of Environmental and Resource Economists. As is well known, the 3rd Conference of the Parties to the United Nations Framework Convention on Climate Change (UNFCCC: COP3) was held in Kyoto in December 1997. We really appreciate your effort in making the long journey to Kyoto.

What kind of a century was the 20th century? One plausible answer to this question might be to say that it was a century of economic development and growth. The rapid economic development during the 20th century could be attributed to the series of technological innovations that occurred during this period. The reason why these technological innovations occurred in such rapid succession is that human beings had discovered two sources of energy: electric power and oil. Therefore, the 20th century can be considered as the century of electric power and oil. From another perspective, it naturally follows that the 20th century was the century of carbon dioxide emissions. We were able to attain such rapid economic growth in the last century by rapidly increasing the level of CO₂ emissions. It is quite significant that the Kyoto Protocol obliging developed countries to reduce CO₂ emissions was adopted toward the end of the last century, the century of CO₂ emissions.

The 21st century is quite often said to be the century of the environment. This has two implications. First, the global environmental problem will become so serious that it will threaten the very existence of human beings. Second, since innovation is one of the necessary conditions for economic growth, the challenges that we face in preserving the environment are expected to serve as a new driving force to accelerate economic growth.

We are extremely hopeful that the Congress will be carried out successfully. We also hope that you will enjoy the beautiful city of Kyoto as much as the Congress itself. Finally, let me express our sincere gratitude to the concerned government agencies, Kyoto prefecture, Kyoto city, the Kyoto Chamber of Commerce and Industry, and the Integrated Research System of Sustainability Science at the University of Tokyo for their support. We are also grateful for the donations received from private companies, whose names are listed in the program.

Takamitsu Sawa
Chair,
Local Organization Committee

CONGRESS SPONSORS

The Third World Congress of Environmental and Resource Economists is sponsored by JSPS (Japan Society for the Promotion of Science) International Meeting series Asahi Glass Foundation, and INAMORI FOUNDATION, which are gratefully acknowledged.

We acknowledge that contributions by companies and organizations helped the Congress very much. Contributors include;

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Japan Automobile Manufacturers Association, Inc.
Japanese Consumers' Co-operative Union
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21st Century COE Program “Social Capacity Development for Environmental Management and International Cooperation” by Graduate School for International Development and Cooperation of Hiroshima University, 21st Century COE Program “Interfaces for Advanced Economic Analysis” Graduate School of Economics of Kyoto University, Mizuho Financial Group, and Nomura Holdings, Inc. provided support for sessions at the Congress. We gratefully acknowledge this.

We also appreciate Integrated Research System for Sustainability Science, Kyoto Prefecture, Kyoto City, and Kyoto Chamber of Commerce and Industry for their support to the Global Environmental Policy Panel.

Swedish International Development Cooperation Agency contributed to funds, which made it possible to provide scholarships to 50 Congress participants from the developing and emerging economies, and young scholars from developed countries.

Last but not least, we would like to thank all individuals who generously made contributions to the fund of the Congress.

CONGRESS COMMITTEES

LOCAL ORGANIZING COMMITTEE

Chair: Takamitsu Sawa, Ritsumeikan University

Vice-Chair: Kazuhiro Ueta, Kyoto University

Members:

Akihiro Amano, University of Hyogo
Naoto Asano, Fukuoka University
Jusen Asuka, Tohoku University
Takehisa Awaji, Rikkyo University
Noriyuki Goto, The University of Tokyo
Koichi Hasegawa, Tohoku University
Eiji Hosoda, Keio University
Hidefumi Imura, Nagoya University
Yasuko Kameyama, National Institute for Environmental Studies
Katsuhiko Kokubu, Kobe University
Hidefumi Kurasaka, Chiba University
Koichi Kuriyama, Waseda University
Nozomu Matsubara, Sophia University
Shunji Matsuoka, Hiroshima University
Yuzuru Matsuoka, Kyoto University
Kenichi Miyamoto, Osaka City University
Yuichi Moriguchi, National Institute for Environmental Studies
Toru Morotomi, Kyoto University
Takeshi Murota, Doshisha University
Shinichiro Nakamura, Waseda University
Hidenori Niizawa, University of Hyogo
Shuzo Nishioka, National Institute for Environmental Studies
Toshihiro Oka, Fukui Prefectural University
Ayumi Onuma, Keio University
Tadashi Otsuka, Waseda University
Hirofumi Shibata, Osaka University
Yukari Takamura, Ryukoku University
Kenji Takeuchi, Kobe University

Shun'ichi Teranishi, Hitotsubashi University

Tsunekazu Toda, Hiroshima University

Jun Ui, University of Okinawa

Yoko Wake, Keio University

Toyoaki Washida, Sophia University

Hiroyoshi Yabe, Chuo University

Fumikazu Yoshida, Hokkaido University

Extended Members:

Kota Asano, Kyoto University

Seiji Ikkatai, Kyoto University

Yuzuru Matsuoka, Kyoto University

Kazuo Matsushita, Kyoto University

Kenichi Oshima, Ritsumeikan University

Chieko Umetsu, Research Institute for Humanity and Nature

PROGRAM COMMITTEE

Co-chairs:

Hossein Farzin, University of California, Davis
Michael Rauscher, University of Rostock
Kazuhiro Ueta, Kyoto University

Members:

Ken-Ichi Akao, Waseda University
Savas Alpay, Bilkent University
Gregory Amacher, Virginia Polytechnic Institute and State University
Toshi Arimura, Sophia University
Kanemi Ban, Osaka University
Sangeeta Bansal, Jawaharlal Nehru University
Edward Barbier, University of Wyoming
Jeff Bennett, Australian National University
Antonio Bento, University of Maryland
Christoph Böhringer, Centre for European Economic Research
Runar Brännlund, Umeå University
Lucas Bretschger, ETH Zürich
Wolfgang Buchholz, University of Regensburg
Erwin Bulte, University of Tilburg
Brita Bye, Statistics Norway
Robert Cairn, McGill University
Trudy Ann Cameron, University of Oregon
Michael Caputo, University of Central Florida
Carlo Carraro, University of Venice
Richard Carson, University of California, San Diego
Ujjayant Chakravorty, University of Central Florida
Graciela Chichilnisky, Columbia University
Klaus Conrad, University of Mannheim
Jon Conrad, Cornell University
Brian Copeland, University of British Columbia
Christopher Costello, University of California, Santa Barbara
Maureen Cropper, University of Maryland
Ichiroh Daitoh, Tohoku University

Aart de Zeeuw, University of Tilburg
Varadarajan Dhulasibirundha, Madurai Kamaraj University
Essi Eerola, University of Helsinki
Marta Escapa, University of the Basque Country
Johan Eyckmans, Catholic University Leuven
Hossein Farzin, University of California, Davis
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Michael Finus, University of Hagen
Anthony Fisher, University of California, Berkeley
Per Fredriksson, University of Louisville
Kiyoshi Fujikawa, Konan University
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Yolande Hiriart, University of Toulouse
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Yasuko Kameyama, National Institute for Environmental Studies
Yoshiaki Kaoru, Nanzan University
Yukichika Kawata, Keio University
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Bengt Kriström, Swedish University of Agricultural Sciences

Koichi kuriyama, Waseda University

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Karl-Gustav Löfgren, University of Umeå

Ngo Van Long, McGill University

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Arun S. Malik, George Washington University

Shunsuke Managi, Yokohama National Universtiy

Anil Markandya, University of Bath

Chuck Mason, University of Wyoming

John Maxwell, Indiana University

Carol McAusland, University of Maryland

Katrin Millock, Centre d'Economie de la Sorbonne

Juan Pablo Montero, Pontificia Universidad Católica de Chile

Yuichi Moriguchi, National Institute for Environmental Studies

Toru Morotomi, Kyoto University

Takeshi Murota, Doshisha University

Richard Newell, Resources For the Future

Kazuhiko Nishimura, Nihon Fukushi University

Karine Nyborg, Frisch Centre

Toshihiro Oka, Fukui Prefectural University

Markku Ollikainen, University of Helsinki

Noemi Padron, University of La Laguna

Hojeong Park, Chonnam National University

Ian W. H. Parry, Resources for the Future

Wolfgang Peters , University Viadrina

Rüdiger Pethig, University of Siegen

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Ronaldo Seroa da Motta, Institution of Applied Economics Research
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Shinichi Shogenji, University of Tokyo
Jason Shogren, University of Wyoming
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Kerry Smith, North Carolina State University
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Thomas Sterner, University of Göteborg
Olli Tahvonen, Finnish Forest Research Institute
Kenji Takeuchi, Kobe University
Shunichi Teranishi, Hitotsubashi University
Kazuhiro Ueta, Kyoto University
Jeroen van den Bergh, Free University Amsterdam
Ekko van Ierland, Wageningen University
Jeffrey Vincent, University of California, San Diego
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Jinhua Zhao, Iowa State University
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LIASON MEMBERS

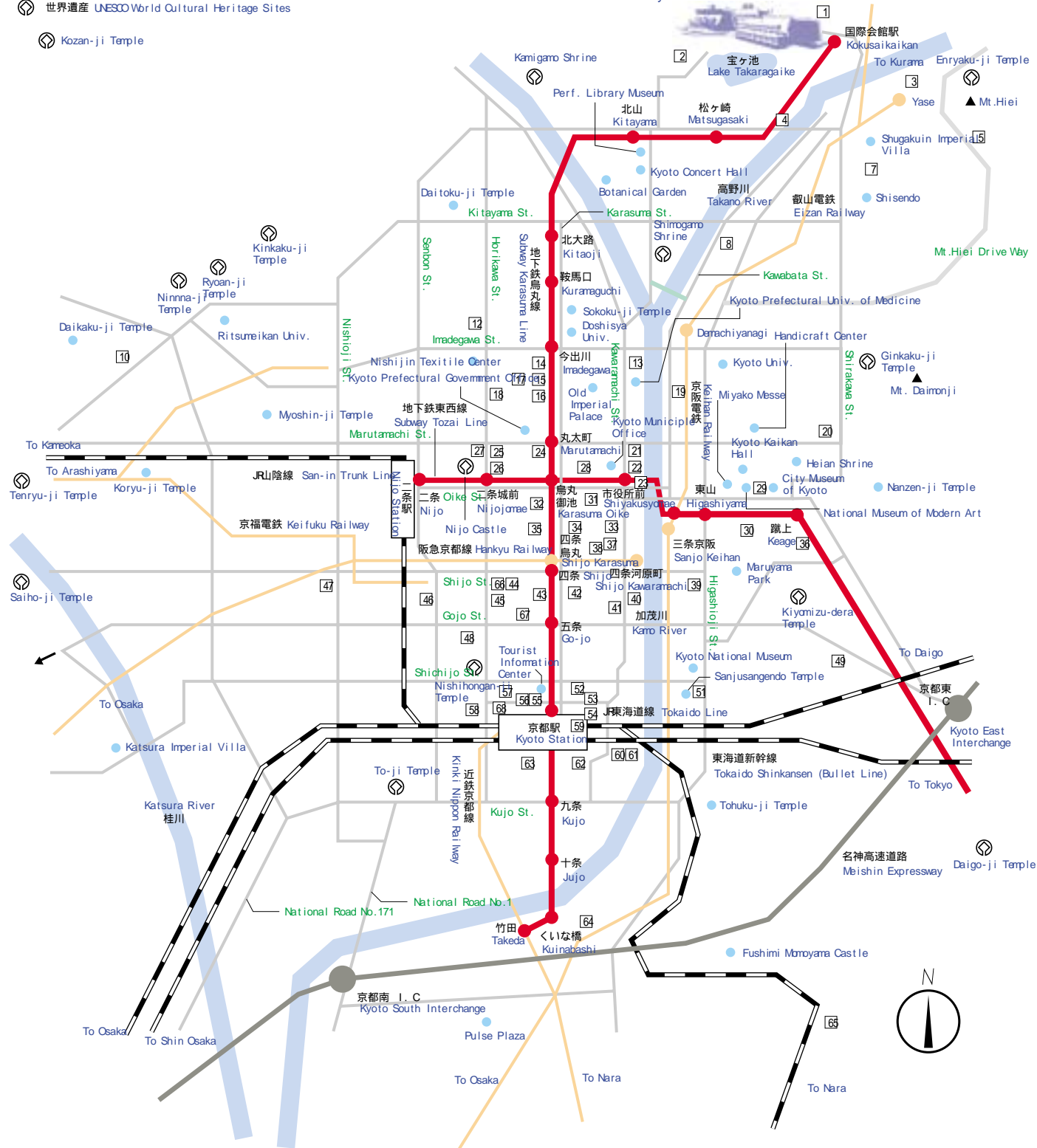
Jason Shogren, University of Wyoming (AERE)
Monica Eberle, Fondazione Eni Enrico Mattei (EAERE)
Zulma Guzman, Corporación Autónoma Regional de Cundinamarca (ALEAR)

地下鉄 Subway

世界遺産 UNESCO World Cultural Heritage Sites

Kozan-ji Temple

国立京都国際会館
Kyoto International Conference Hall



- | | | | |
|--|-------------------------------|-------------------------------|------------------------------|
| 1 Kyoto International Conference Hall Lodging Facilities | 20 Hotel Sunflower Kyoto | 36 Miyako Hotel | 53 Kyoto Dai-ni Tower Hotel |
| 2 Kyoto Takaragake Prince Hotel | 21 Hotel Fujita Kyoto | 37 Sun Hotel Kyoto | 54 Kyoto Century Hotel |
| 3 Pension Yase Ohara | 22 Kyoto Hotel | 38 Kyoto Central Inn | 55 Kyoto Tower Hotel |
| 4 Apital Inn Kyoto | 23 Kyoto Royal Hotel | 39 Kyoto Gion Hotel | 56 Hotel New Hankyu Kyoto |
| 5 L Hotel de Hei | 24 Hotel Harvest Kyoto | 40 Hotel Sunroute Kyoto | 57 Kyoto Dai-san Tower Hotel |
| 7 Kansai Seminar House | 25 International Hotel Kyoto | 41 Hotel Rich | 58 Rhiga Royal Hotel Kyoto |
| 8 Holiday Inn Kyoto | 26 ANA Hotel Kyoto | 42 Hotel Ninko Princess Kyoto | 59 Hotel Granvia Kyoto |
| 10 Utano Youth Hostel | 27 Hotel New Kyoto | 43 Karasuma Kyoto Hotel | 60 El Inn Kyoto |
| 12 Kyoto City Hotel | 28 Hearton Hotel Kyoto | 44 Maruko Inn Kyoto | 61 Hotel Centrom Kyoto |
| 13 Muruma Kakan | 29 Travellers Inn | 45 Mitsui Garden Hotel | 62 Hotel Kekan Kyoto |
| 14 Heian Kakan | 30 Higashiyama Youth Hostel | 46 Ark Hotel | 63 New Miyako Hotel |
| 15 Kyoto Garden Palace | 31 Hotel Gimmond Kyoto | 47 Rhino Hotel Kyoto | 64 Urban Hotel Kyoto |
| 16 Hotel Palace-side Kyoto | 32 Kyoto Garden Hotel | 48 Kyoto Tokyu Hotel | 65 Kyoto Daigo Plaza Hotel |
| 17 Kyoto Brighton Hotel | 33 Hotel Alpha Kyoto | 49 Kyoto Tokyu Inn | 66 Hotel Oaks Kyoto Ship |
| 18 Rubino Kyoto Horkawa | 34 Hotel Paste Kyoto | 50 Kyoto Park Hotel | 67 Aranvert Kyoto Hotel |
| 19 Kyodai Kakan | 35 Sanjo Karasuma Hotel Kyoto | 51 Kyoto White Hotel | 68 APA Hotel Kyoto |

CONGRESS INFORMATION

DATES

Monday, July 3rd - Friday, July 7th, 2006

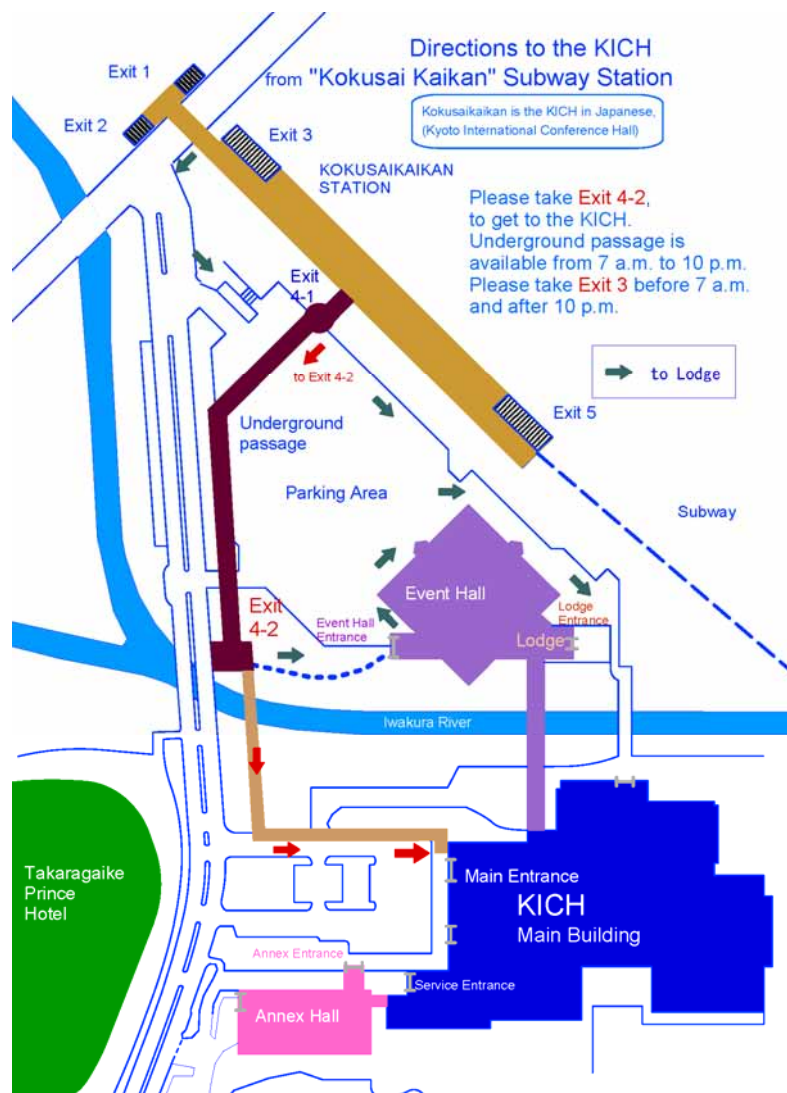
VENUE

Kyoto International Conference Hall (KICH)



Takaragaike, Sakyo-ku, Kyoto 606-0001, Japan

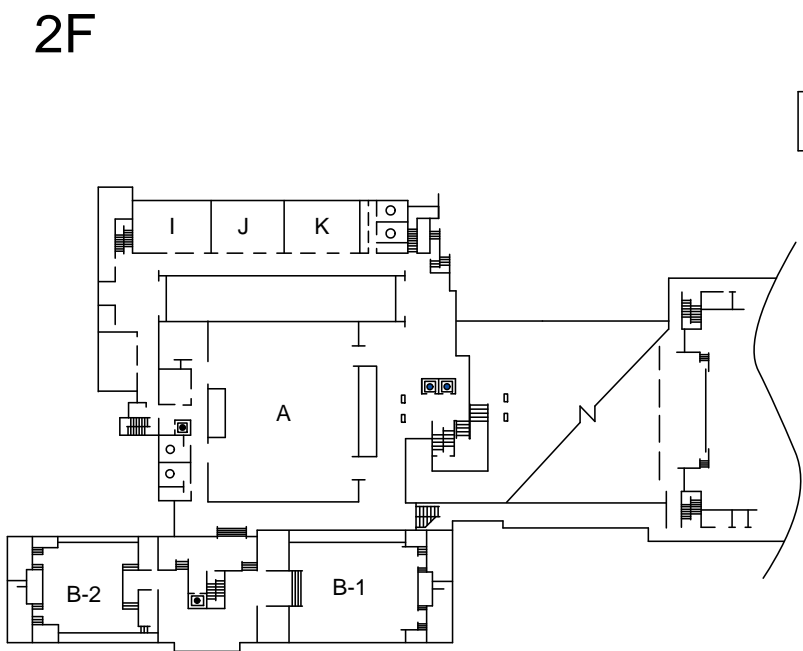
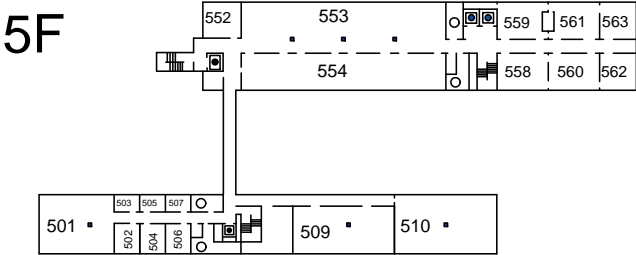
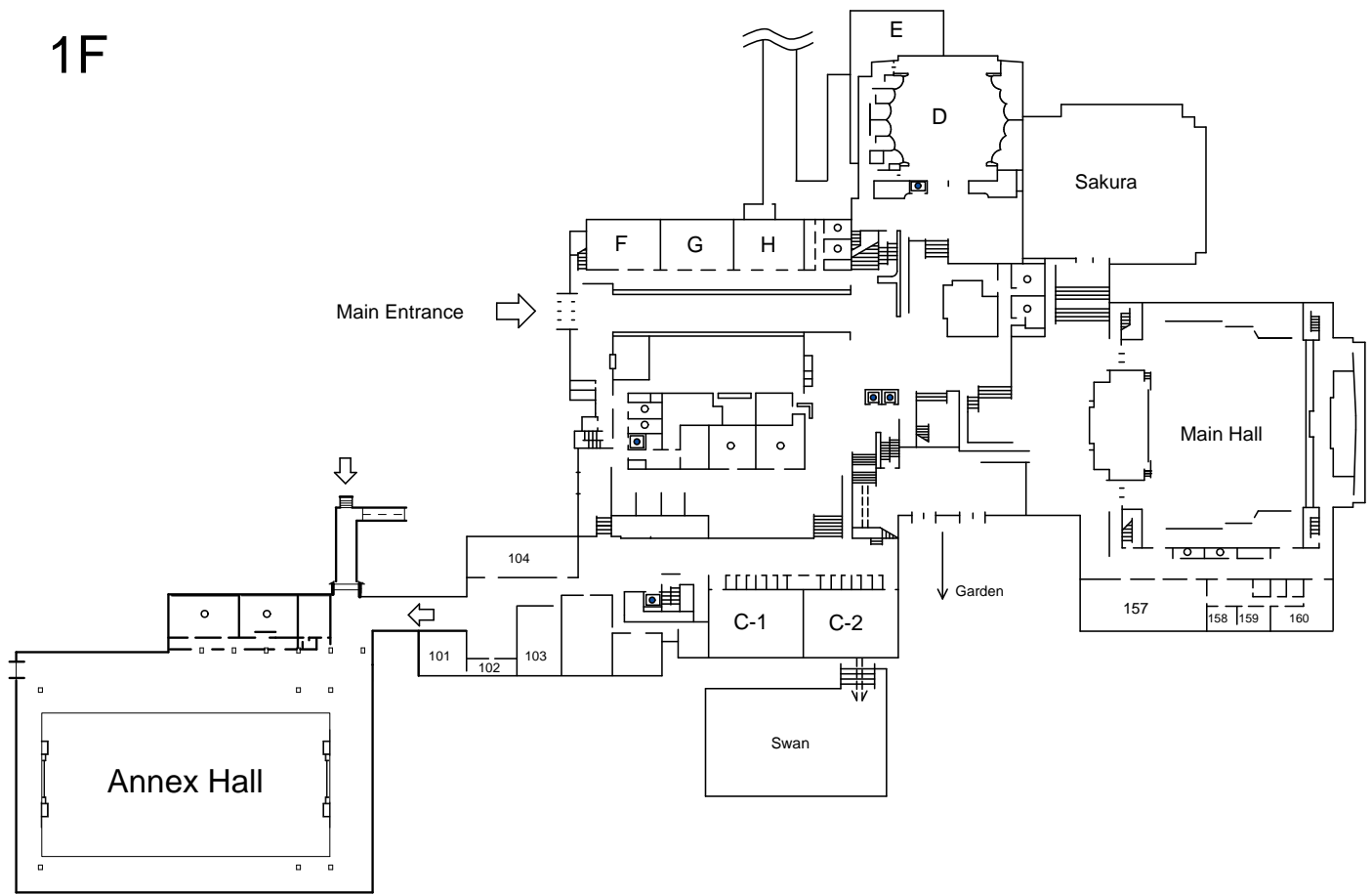
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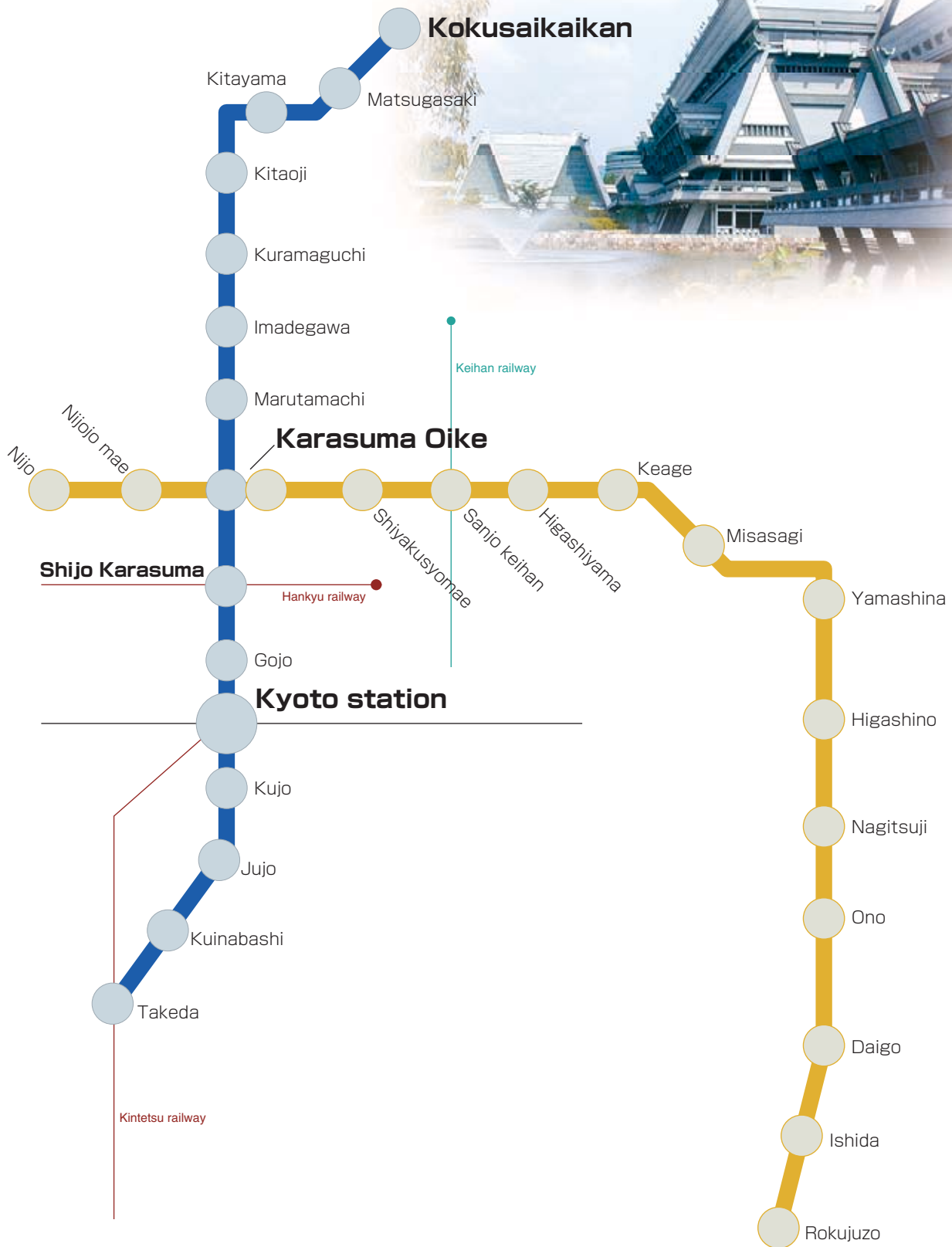


KYOTO INTERNATIONAL CONFERENCE HALL

-  : Elevators
-  : Restrooms



Kyoto International Conference Hall



LANGUAGE

The official language of the congress is English. There will be no simultaneous interpretation provided. However, simultaneous interpretation of Japanese and English will be provided at Opening Ceremony and Global Environmental Policy Panel on Tuesday, 4th July.

CONGRESS SECRETARIAT

The Congress Secretariat is located on the 1st floor of KICH in Room 157.

IDENTIFICATION BADGE

The personal name badges will be provided at the registration desk. Please wear your badge for identification purposes for admission to the various functions. The badge provides access to plenary and parallel sessions, welcome reception, gala dinner, opening ceremony, social events, lunch, and coffee. Accompanying Persons' badge enables them to gain access to welcome reception, gala dinner, opening ceremony, and social events.

EXHIBITIONS

Private Companies, Organizations, Governments, and Publishers are exhibiting their activities during the Congress.

Dates & Times:	Tuesday July 4th	8:45-17:00
	Wednesday July 5th	8:45-17:00
	Thursday July 6th	8:45-17:00
	Friday July 7th	8:45-16:00

Venue: Annex Hall of KICH

BUSINESS CENTER

Payable services will be available on the first floor of KICH.

INTERNET SERVICES

Wireless LAN will be available at Main Lounge on the first floor. There will be no computers or other equipments so please prepare yourself.

Wireless LAN: IEEE802.11b/g

SSID: freespot

ID and Password(WEP) are not required.

TELEPHONE SERVICES

Pay telephones and fax machine are available on the 1st floor of KICH.

TOUR DESK

Japan Travel Bureau, Inc. (JTB) will be present daily at a tour desk on the 1st floor of KICH.

CLOAK ROOM

Cloak rooms are located near the main entrance and next to the grill on the 1st floor of KICH.

REFRESHMENTS

Refreshments are available during the Coffee break where in the morning at 10:30-11:00 (on July 4th, 11:00-11:30) and in the afternoon at 15:45-16:15 (on July 4th, there is no afternoon Coffee break).

LUNCH

Lunch will be provided each day in the form of a choice of box lunches. The box lunches are available to be picked up at 13:00 on July 4th and 12:30 on July 5th to 7th, on 1st floor of KICH in Sakura, Swan, and Annex Hall.

AUDIO VISUAL EQUIPMENTS FOR PRESENTATIONS

A Windows laptop computer, projector, and switching device will be provided in each room. Please bring your laptop computer or your presentation file on the CD or USB memory stick. We would like to recommend you to use your own computer, because we are afraid of troubles such as unreadable characters and so on so forth. Up to seven machines can be connected with our switching device simultaneously. And hence, please bring a backup of your presentation file.

When you bring your file on the CD or USB memory stick and use a computer already equipped in your session room, please prepare your presentation in Microsoft PowerPoint or PDF file. We only supply fonts that are included in the base installation of Windows; fonts other than these should be embedded into your file. The fonts we suggest you to utilize are Times New Roman or Arial. If you use a Macintosh computer, we require to bring your own computer by yourself.

An overhead projector will not be equipped in each room, but just for emergency we will prepare a few overhead projectors. Therefore, we recommend you to bring transparency backups of your presentation to prepare for rare but possible cases that the CD or USB memory does not work by accident.

Please arrive at your session room at least 30 minutes before the beginning time of your session, in order to make it sure that your file or computer prepared for presentation will not meet unexpected machinery troubles. If you need any assistance beforehand, please feel free to ask a computer operator in each room.

SOCIAL ACTIVITIES

WELCOME RECEPTION

Date & Time: Monday July 3rd, 18:00-20:00

Venue: Sakura on the 1st floor of KICH

GALA DINNER

The gala dinner invites special guests and contains Noh performance (a classical Japanese art form with drama, music, and dance – it has history about 600 years and is colored with the graceful effect of quiet elegance).

Date & Time: Wednesday July 5th, 18:30-20:30

Venue: Swan and Garden on the 1st floor of KICH

SOCIAL EVENT: AN EVENING WITH TRADITIONAL JAPANESE SUMMER NIGHT ENTERTAINMENT

This social event is full of casual entertainment that you can experience the atmosphere of Japanese summer night. Drinks and light foods are served. Come as you are.

Date & Time: Thursday July 6th, 19:00-21:00

Venue: Swan on the 1st floor of KICH

PROGRAM AT A GLANCE

Monday 3 July 2006

18:00 - 19:30 Welcome Reception

Tuesday 4 July 2006

08:30 - 09:15 Opening of the World Congress
09:30 - 11:00 Plenary Session
11:00 - 11:30 Coffee Break
11:30 - 13:00 Parallel Sessions 01
13:00 - 14:30 Lunch
ERE Editorial Board Meeting
14:30 - 16:15 Parallel Sessions 02
16:30 - 18:30 Global Environmental Policy Panel

Wednesday 5 July 2006

08:45 - 10:30 Parallel Sessions 03
10:30 - 11:00 Coffee Break
11:00 - 12:30 Plenary Session
12:30 - 14:00 Lunch
EAERE General Assembly of Members
14:00 - 15:45 Parallel Sessions 04
15:45 - 16:15 Coffee Break
16:15 - 18:00 Parallel Sessions 05
18:30 – 20:30 Gala Dinner

Thursday 6 July 2006

08:45 - 10:30 Parallel Sessions 06
10:30 - 11:00 Coffee Break
11:00 - 12:30 Plenary Session
12:30 - 14:00 Lunch
AERE General Assembly

14:00 - 15:45	Parallel Sessions 07
15:45 - 16:15	Coffee Break
16:15 - 18:00	Parallel Sessions 08
19:00 - 21:00	Social Event: An Evening with Traditional Japanese Summer Night Entertainment

Friday 7 July 2006

08:45 - 10:30	Parallel Sessions 09
10:30 - 11:00	Coffee Break
11:00 - 12:30	Plenary Session
12:30 - 14:00	Lunch
	EDE Editorial Board Meeting
14:00 - 15:45	Parallel Sessions 10
15:45 - 16:15	Coffee Break
16:15 - 18:00	Parallel Sessions 11

SPEAKERS OF PLENARY SESSIONS

Elinor Ostrom

Arthur F. Bentley Professor of Political Science
Co-Director, Workshop in Political Theory and
Policy Analysis; Indiana University

Education: Ph.D. Political Science, UCLA



Appointments: Indiana University since 1965

Fields of Interest: Environmental policies, Collective choice theory, Institutional analysis, Irrigation and forest Institutions

Honors: James Madison Award, APSA; Sustainability Science Award, ESA; John J. Carty Award, NAS; Johan Skytte Prize, University of Uppsala; Frank E. Seidman Award in Political Economy. Member, NAS; American Academy of Arts and Sciences Honorary doctorates from University of Zurich; Institute of Social Studies, The Hague; Luleå University; Sweden; University of Michigan

Major Publications:

Books

Understanding Institutional Diversity, Princeton University Press, Princeton, NJ, 2005.

The Samaritan's Dilemma, with Clark Gibson, Krister Andersson, and Sujai Shivakumar, Oxford University Press, 2005.

Seeing the Forest and the Trees, with Emilio Moran, MIT Press, Cambridge, MA, 2005.

Governing the Commons: The Evolution of Institutions for Collective Action, Cambridge University Press, 1990.

Articles

"The Struggle to Govern the Commons," with Tom Dietz and Paul Stern, *Science*, 2003, Vol. 302, pp. 1907-1912.

"Collective Action and the Evolution of Social Norms," *Journal of Economic Perspectives*, 2000, Vol. 14, pp. 137-158.

"A Behavioral Approach to the Rational Choice Theory of Collective Action," *American Political Science Review*, 1998, Vol. 92, pp. 1-22.

Abstract of Speech:**“Monitoring Makes a Difference: Formal Property Rights to Forests are Ineffective Unless Officials *or* Users Invest in Them”**

Policy analysts frequently presume that rampant deforestation occurs unless governments own and protect forests, build strong fences, and employ guards. Formal rules assigning governmental ownership of forested land without substantial investments in protection is associated with deforestation and illegal harvesting. Empirical studies confirm deforestation of unprotected forests, but also provide surprising evidence that users, who view forest rules as legitimate and of long-run benefit, may also monitor conformance to property-rights systems. Theoretical analyses of collective-action dilemmas predict that users are trapped and are unable to create effective rules in the first place. It is thus even more surprising to find users willing to solve “second-order collective-action problems” involving monitoring and sanctioning of rule systems. Evidence from field studies of diverse forest regimes will be presented to examine the effect of formal rules with and without monitoring by guards, users, or both types of actors. To begin an explanation of why, and under what conditions, users will themselves undertake costly monitoring activities, a series of laboratory experiments will be discussed. In these common-pool resource experiments, users overharvest as expected when no rules are in effect. Communication among users, especially repeated communication, makes a substantial difference. Even more dramatic is the impact of allowing users to make their own rules and enforce them. Resource users can solve more collective-action problems than current theory recognizes, but it is essential for policy analysts to avoid presuming that “turning forests over” to local users is a new panacea. Building effective property-rights regimes requires time and effort to create systems well-matched to local ecologies and social structures.

Sir Clive W.J. Granger

Nobel Laureate and Professor Emeritus
University of California, San Diego

Education:

Ph.D., University of Nottingham, 1959
BA, University of Nottingham, 1955



Previous Appointments:

Professor of Economics, University of California, San Diego, 1974-2003
Professor of Economics, University of Nottingham, 1959-1974

Fields of Interest:

Statistics and econometrics (especially time series analysis), forecasting, finance, methodology.

Honors:

The Bank of Sweden Prize in Economic Sciences in Memory of Alfred Nobel (The Nobel Prize for Economics), 2003
Doctor Honoris Causa, Aarhus University, July 2003
Corresponding Fellow, British Academy, July 2002
President, Western Economic Association, 2002-2003
Distinguished Fellow, American Economic Association, 2002
Honorary D.Sc. Degree, University of Loughborough, 2002
Biennial Medal, Modeling and Simulation Society of Australia and New Zealand, 2001
Doctor Honoris Causa, Stockholm School of Economics, 1998
Foreign Member, Finnish Society of Arts and Science, 1997
Fellow, International Institute of Forecasters (Inaugural Group of Four), 1996
Doctor Honoris Causa, Universidad Carlos III de Madrid, 1996
Fellow, American Academy of Arts and Sciences, 1994
Chancellor's Associates Chair in Economics, 1994
Honorary D.Sc. Degree, University of Nottingham, 1992
Commonwealth Fellowship of the Harkness Funds, New York, held 1959-60 at Princeton University, New Jersey.
Fellow of the Econometric Society, 1972

Elected Guggenheim Fellow from January to June, 1988.

Listed in "Who's Who in the United States," "Who's Who in the World," "Who's Who" London

Paper "Forecasting Stock Market Prices: Lessons for Forecasters"

chosen by editors of *International Journal of Forecasting* as best paper in years 1992/1993

Major Publications:

Books:

Spectral Analysis of Economic Time Series, in association with M. Hatanaka, Princeton University Press, October 1964. (French translation: "Analyse spectrale des series temporelles en economie," Dunod, Paris 1969.)

Designated a "Citation Classic" by the publishers of Citation Review, 1986.

Predictability of Stock Market Prices, with O. Morgenstern, Heath and Co., Lexington, MA., November 1970.

Forecasting Economic Time Series, with Paul Newbold, Academic Press, March 1977. Second edition, October, 1986.

Articles:

"Testing for causality, a personal viewpoint," *Journal of Economic Dynamics and Control*, 2, 1980, 329-352.

"Co-integration and error-correction: representation, estimation, and testing," with R. Engle, *Econometrica*, 55, 1987, 251-76.

Summary of Speech:

The lecture expands the discussion contained in the book "The Dynamics of Deforestation and Economic Growth in the Brazilian Amazon" by L. Andersen, etc. (Cambridge University Press, 2002) to consider the impacts of policy. The major types of policy are economic and legal, and the second of these depends on the amount of regulation used. Policy models have to be dynamic and so panel models are most appropriate as the effects of a policy will vary with time.

The paper discusses the major causes of deforestation, logging and settlers, and how policy effects as measured by models.

However, the implications are not necessarily that settlements should be discouraged and new roads banned as such policies may go against the requirements of the society.

Stephen Polasky

Fesler-Lampert Professor of Ecological/Environmental Economics, University of Minnesota

**Prior Positions:**

Senior Staff Economist, President's Council of Economic Advisers, 1998 - 1999

Associate Professor, Agricultural and Resource Economics Department,

Oregon State University, 1993 - 1999

Prior Positions:

Senior Staff Economist, President's Council of Economic Advisers, 1998 - 1999

Associate Professor, Agricultural and Resource Economics Department,

Oregon State University, 1993 - 1999

Assistant Professor, Economics Department, Boston College, 1986 – 1993

Fields of Interest: biodiversity conservation, integrating ecology and economics, ecosystem services, common property resources, game theory

Major Publications:

Polasky, S., E. Nelson, E. Lonsdorf, P. Fackler and A. Starfield. 2005. Conserving species in a working landscape: land use with biological and economic objectives. *Ecological Applications* 15(4): 1387-1401.

Polasky, S., C. Costello and A. Solow. 2005. The economics of biodiversity. In *The Handbook of Environmental Economics*, Vol III. J. Vincent and K.-G. Maler (eds.).

Tilman, D., S. Polasky and C. Lehman. 2005. Diversity, productivity and temporal stability in the economies of humans and nature. *Journal of Environmental Economics and Management* 49(3): 405-426.

Polasky, S. (ed.). 2002. *The Economics of Biodiversity Conservation*. Ashgate Publishing Limited.

Camm, J.D., S.K. Norman, S. Polasky and A.R. Solow. 2002. Nature reserve selection to maximize expected species coverage. *Operations Research* 50(6): 946-955.

Ando, A., J. Camm, S. Polasky and A. Solow. 1998. Species distributions, land values, and efficient conservation. *Science* 279: 2126-2128.

Polasky, S. and H. Doremus. 1998. When the truth hurts: endangered species policy on private

land with imperfect information. *Journal of Environmental Economics and Management* 35(1): 22-47.

Solow, A., S. Polasky and J. Broadus. 1993. On the measurement of biological diversity. *Journal of Environmental Economics and Management* 24(1): 60-68.

Summary of Speech: Biodiversity Conservation and Ecosystem Services

The Earth Summit in Rio de Janeiro in 1992 adopted the Convention on Biological Diversity and the United Nations Convention on Climate Change. Since that time, the climate change issue has held center stage in environmental policy and economics arenas and the Climate Change Convention led to the Kyoto Protocol that set greenhouse gas emissions targets for some countries. Conserving biological diversity has not gained nearly as much attention as climate change in policy or in economics and The Convention on Biological Diversity has languished in relative obscurity, despite the vital importance of the issue.

The loss of biodiversity affects human welfare as well as being lamentable for its own sake. Humans depend on natural systems to produce a wide variety of ecosystem services, ranging from direct use of certain species for food or medicines to ecosystem functions that provide water purification, nutrient retention or climate regulation. But human actions threaten biodiversity, in the form of habitat loss and fragmentation, the introduction of exotic species, over-harvesting, pollution, changes in geochemical cycles and climate change. Because biodiversity is at risk in large part because of human activity, finding ways to conserve biodiversity will come from better understanding and management of human affairs, not from better biology alone. Economists have an important role to play in helping to develop and evaluate conservation strategies. Economists can help set priorities to allocate scarce conservation resources, to design incentive schemes to make conservation policy both effective and efficient, and to shed light on what are the most valuable components of biodiversity, including analysis of species existence value, the value of bioprospecting and the value of ecosystem services. This talk will review the expanding economics literature on biodiversity and ecosystem services and lay out several pressing research challenges.



Geoffrey Heal

Geoffrey Heal, Paul Garrett Professor of Public Policy and Corporate Responsibility at Columbia Business School and Professor of Economics in the School of International and Public Affairs, is noted for contributions to economic theory and environmental economics. Author of fourteen books and about two hundred articles, he is a Fellow of the Econometric Society, Past President of the Association of Environmental and Resource Economists, recipient of its prize for publications of enduring quality, a member of the Scientific Advisory Board of the Environmental Protection Agency and a Director of the Union of Concerned Scientists. He chaired a committee of the National Academy of Sciences on valuing ecosystem services and was a Commissioner of the Pew Oceans Commission.

ROOM NUMBER FINDER

Opening Ceremony, all Plenary Sessions, and Global Environmental Policy Panel will be held at the Main Hall on the 1st floor of Kyoto International Conference Hall.

Parallel 01 (July 4th, 11:30-13:00)

Session ID	Session title	Room
1A	Forest Management	F
1B	Groundwater: Case Studies	K
1C	Willingness to Pay	C-2
1D	R&D and Technological Development I	G
1E	Noise Pollution	H
1F	Protected Areas and Parks	B-2
1G	Experiments in Environmental Economics I	B-1
1H	Renewable Energy I	I
1I	Environmental Taxes: Theory	E
1J	Air Pollution I	J
1K	Contingent Valuation: Methodological Aspects I	C-1
1L	Delegation and Decentralisation	501
1M	Gender Issues	509
1N	Travel Cost Method	553
1O	Ecosystem Services	510
1P	Theory of Environmental Policy I	554

Parallel 02 (July 4th, 14:30-16:15)

Session ID	Session title	Room
2A	The Design of Climate Policy	B-1
2B	On-Site Survey Data and Issues	B-2
2C	Behavioral Responses to Environmental Information Disclosure Programs	C-1
2D	Health Valuation in Asia	C-2
2E	Differential Games in Environmental Economics	D
2F	Discounting and Intergenerational Equity	E
2G	Environmental Kuznets Curves: Theory	F

2H	Water Management I	G
2I	Illegal Activities	H
2J	Hedonic Pricing I	I
2K	Finance and Environmental and Resource Economics (Mizuho Financial Group Session)	J
2L	Biodiversity I	K
2M	Intertemporal Models of Natural Resources	501
2N	Tourism	509
2O	Fisheries I	510
2P	Voluntary Pollution Abatement I	553
2Q	Spatial Issues and Geography	554

Parallel 03 (July 5th, 8:45-10:30)

Session ID	Session title	Room
3A	Food Safety in Japan; Attitudes, Consumer Behaviors and Institutions	B-2
3B	Hybrid Economy Energy Models for Climate Policy Analysis	B-1
3C	Willingness to Pay for Endangered Species	C-1
3D	Fisheries II	C-2
3E	Exhaustible Resources	F
3F	Water: Irrigation I	G
3G	Morbidity and Disease	H
3H	Forestry in Developing Countries I	I
3I	Environmental Risks I	D
3J	The Firm and the Environment I	J
3K	Biodiversity Valuation	501
3L	Cost-Benefit Analysis I	E
3M	Environmental Kuznets Curve: Empirical Results I	509
3N	Agriculture I	510
3O	Altruism and Environmental Ethics	554
3P	Political Economy	K

Parallel 4 (July 5th, 14:00-15:45)

Session ID	Session title	Room
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4A	International Society for Ecological Economics Session	C-1
4B	New Developments in the Travel Cost Method for Non-Market Valuation: Developments in Methodology.	C-2
4C	Policies' Impacts on Costa Rican Deforestation	F
4D	Biodiversity II	G
4E	CGE Models I	H
4F	Climate Change I	B-2
4G	Contingent Valuation: Methodological Aspects II	I
4H	Experiments in Environmental Economics II	J
4I	Non-Timber Forest Products I	509
4J	Urban Environmental Problems	501
4K	Sustainable Development I	B-1
4L	Strategic Trade and Environmental Policies	553
4M	Tradable Permits II	E
4N	Waste Management and Recycling I (Kyoto University COE Session)	D
4O	Theoretical Aspects of Environmental Regulation	510
4P	Game Theory and the Environment I	554
4Q	Imperfect Competition	K

Parallel 5 (July 5th, 16:15-18:00)

Session ID	Session title	Room
5A	International Society for Ecological Economics Session II	B-2
5B	New Developments in the Travel Cost Method for Non-Market Valuation: New Empirical Findings	C-2
5C	Economic History	D
5D	Energy and Efficiency	F
5E	Innovation I	G
5F	Invasive Species	H
5G	Recreational Activities I	K
5H	Sustainable Development II	E
5I	Renewable Resources I	I
5J	The Firm and the Environment II	J
5K	Valuation: Stated Preferences	501
5L	Forestry in Industrialised Countries	510

5M	Environmental Kuznets Curve: Advanced Empirical Approaches	509
5N	River Management	553
5O	Kyoto and Beyond	B-1
5P	Social Norms and Social Responsibility I	554
5Q	Economic Growth and the Environment I	C-1

Parallel 6 (July 6th 8:45-10:30)

Session ID	Session title	Room
6A	Biodiversity: BIOECON Network	C-1
6B	China-Japan CDM: Potential, Evaluation and Finance to Advance Sustainable Development	D
6C	Spatial Variation in Benefits and Costs for Environmental Policy Making	C-2
6D	Carbon Sequestration	F
6E	Climate Change and Agriculture	G
6F	Coastal Ecosystems	H
6G	Common-Property Resources I	I
6H	Cost-Benefit Analysis II	B-1
6I	Experiments in Environmental Economics III	J
6J	Tradable Permits I	E
6K	Voluntary Pollution Abatement II	510
6L	Water Management II	501
6M	Wildlife Conservation	K
6N	Climate Change: Policies in Industrialised Countries	509
6O	Air Pollution II	553
6P	Non-Point-Source Pollution	554
6Q	International Environmental Agreements I	B-2

Parallel 7 (July 6th, 14:00-15:45)

Session ID	Session title	Room
7A	David Pearce Commemorative Session	B-1
7B	Environmental Quality and Health: Assessing Incentives, Costs and Benefits	C-1

7C	Policy Innovations in Environmental Management	C-2
7D	Bioeconomics I	F
7E	Biodiversity: Case Studies	G
7F	Choice Models in Environmental Economics	H
7G	Climate Change and Innovation	B-2
7H	Common-Property Resources II	I
7I	Contaminated Sites and Hazardous Waste	D
7J	Cost-Benefit Analysis III	E
7K	Eco-Labeling	J
7L	Economic Growth and the Environment II	510
7M	Experiments in Environmental Economics IV	501
7N	Theory of Environmental Policy II	K
7O	Urban Transport	509
7P	Drinking Water	553
7Q	Green Protectionism	554

Parallel 8 (July 6th, 16:15-18:00)

Session ID	Session title	Room
8A	Advances in Stated Preference Methodology	B-1
8B	Trade and the Environment I	C-2
8C	Valuation of Health	F
8D	Waste Management and Recycling II (Kyoto University COE Session)	D
8E	Water Quality Valuation	G
8F	Agriculture and the Environment: Theory	H
8G	Bioeconomics II	I
8H	Climate Change, Forestry, and Agriculture	J
8I	Coalition Formation and International Environmental Agreements	B-2
8J	Green National Accounting	501
8K	Road Transport	509
8L	Social Norms and Social Responsibility II	E
8M	Food Safety	510
8N	Environmental Taxes: Empirical Analyses	C-1
8O	Fisheries III	553

8P	Genetically Modified Food	554
8Q	Nuclear Power	K

Parallel 9 (July 7th, 8:45-10:30)

Session ID	Session title	Room
9A	The Environment Industry	B-2
9B	Game-Theoretic Approaches to Climate-Policy Analysis	C-2
9C	Assessing the Social Capacity for Environmental Management: Towards Effective Environmental Cooperation in Asia (Hiroshima University COE Session)	B-1
9D	Agriculture II	F
9E	Climate Change II	E
9F	Distributional Concerns	G
9G	Non-Renewable Resources	H
9H	Non-Timber Forest Products II	I
9I	Trade and the Environment II	J
9J	Valuation: Theoretical Contributions	501
9K	Forestry in Developing Countries II	K
9L	Environmental Risks II	509
9M	Poverty	553
9N	Interjurisdictional Competition	554
9O	Economic Growth and the Environment III	C-1

Parallel 10 (July 7th, 14:00-15:45)

Session ID	Session title	Room
10A	Managing Natural Resources for Growth and Poverty Reduction in South Asia	B-2
10B	Valuation of Environmental Health Risks to Children	C-1
10C	International Environmental Agreements II	C-2
10D	Political Economy II	E
10E	R&D and Technological Development II	F
10F	Recreational Activities II	K
10G	Renewable Energy II	G

10H	Valueing Lives	H
10I	Water: Irrigation II	I
10J	Game Theory and the Environment II	J
10K	Groundwater: Theoretical Approaches	501
10L	Innovation II	509
10M	Kyoto Emission Trading (Nomura Holdings Session)	B-1
10N	Theory of Environmental Policy III	510
10O	Environmental Regulation and the Firm	553
10P	Contingent Valuation: Methodological Aspects III	554

Parallel 11 (July 7th, 16:15-18:00)

Session ID	Session title	Room
11A	Geography and the Environment	B-2
11B	Theory of Environmental Policy IV	C-1
11C	Waste Management and Recycling III	C-2
11D	Contingent Valuation: Methodological Aspects IV	F
11E	CGE Models II	G
11F	Soil Erosion and Conservation	H
11G	Tradable Permits III	B-1
11H	Agriculture III	K
11I	Economic Growth and the Environment IV	I
11J	Energy Markets	J
11K	Regional Environmental Problems in Asia	501
11L	Environmental Kuznets Curve: Empirical Results II	509
11M	Family and Children	510
11N	Climate Change Policies	E
11O	Environmental Planning	553
11P	Ecosystem Management	554

Other Meetings

July 3rd, 15:00-	EAERE Council Meeting	K
July 4th, 13:00-	ERE Editorial Board Meeting	K
July 5th, 12:30-	EAERE General Assembly	D
July 6th, 12:30-	AERE General Assembly	D
July 7th, 12:30-	EDE Editorial Board Meeting	K

PROGRAM WITH LIST OF PAPERS BY SESSIONS

MONDAY 3 JULY 2006

15:00 - 18:00	EAERE COUNCIL MEETING (BY INVITATION ONLY)	
15:00 - 18:00	EAERE COUNCIL MEETING (BY INVITATION ONLY) Chairperson: Anastasios Xepapadeas, University of Crete and President of EAERE	Room K
18:00 - 20:00	WELCOME RECEPTION	
18:00 - 20:00	WELCOME RECEPTION Chairperson:	Room Sakura

TUESDAY 4 JULY 2006

08:30 - 09:15	OPENING OF THE WORLD CONGRESS	Room Main Hall
09:30 - 11:00	PLENARY SESSION	
09:30 - 11:00	PLENARY 1: ENVIRONMENTAL PROBLEMS AND COLLECTIVE ACTION Chairperson: Richard T. Carson, University of California San Diego and President of AERE	Room Main Hall
	ENVIRONMENTAL PROBLEMS AND COLLECTIVE ACTION Elinor Ostrom, Indiana University	
11:00 - 11:30	COFFEE BREAK	
11:30 - 13:00	PARALLEL SESSIONS 01	
11:30 - 13:00	1A: FOREST MANAGEMENT Chairperson: Arnaud Reynaud, LERNA-INRA, University of Toulouse	Room F

**EVOLUTIONARY STRATEGIES OF COMMUNITY MEMBERS
UNDER JOINT FOREST MANAGEMENT REGIME**

Shashi Kant, University of Toronto

Co-Author(s): Chander Shahi, University of Toronto

**THE IMPACT OF PUBLIC INTERVENTION ON
SELF-INSURANCE AND INSURANCE ACTIVITIES IN RISKY
FOREST MANAGEMENT**

Stéphane Couture, LEF-Nancy

Co-Author(s): Marielle Brunette,

**MULTI-STAND FOREST MANAGEMENT UNDER A CLIMATIC
RISK: DO TIME AND RISK PREFERENCES MATTER?**

Arnaud Reynaud, LERNA-INRA, University of Toulouse

11:30 - 13:00

1B: GROUNDWATER: CASE STUDIES

Room K

Chairperson: Chandrakanth Mysore, University of
Agricultural Sciences, Bangalore

**GROUNDWATER OVER-DRAFT AND RETURNS TO
MANAGEMENT IN HARD-ROCK REGIONS OF SOUTH INDIA**

Palanisami Kuppannan, Water Technology Centre

Co-Author(s): Chieko Umetsu, Research Institute for Humanity and
Nature

**EXPERIMENTALLY TESTING INSTITUTIONS AND POLICY
INSTRUMENTS TO COORDINATE GROUNDWATER
RECHARGE IN THE COLEAMBALLY IRRIGATION AREA**

John Ward, CSIRO

Co-Author(s): John Tisdell, Griffith University and Stuart Whitten,

**GROUNDWATER CONTAMINATION DUE TO POLLUTION AND
EFFECTS ON HUMAN AND ANIMAL HEALTH IN INDIA**

Chandrakanth Mysore, University of Agricultural Sciences,
Bangalore

Co-Author(s): Varuni CN, University of Agricultural Sciences,
Bangalore, India, Chandrakanth Mysore, University of Agricultural
Sciences, Bangalore and SRIKANTHMURTHY PS, DEPT OF
AGRICULTURAL ECONOMICS

11:30 - 13:00

1C: WILLINGNESS TO PAY

Room C-2

Chairperson: Rex Labao, Economy and Environment
Program for Southeast Asia (EEPSEA); Resources,
Environment and Economics Center for Studies, Inc.
(REECS)

**REDUCING GAINS/LOSS ASYMMETRY: A VIRTUAL REALITY
CHOICE EXPERIMENT (VRCE) VALUING LAND USE CHANGE.**

Ian J. Bateman, University of East Anglia

Co-Author(s): Brett Day, Centre for Social and Economic Research
on the Global Environment, Andrew Jones, University of East
Anglia and Simon Jude, University of East Anglia

**ASYMPTOTICALLY BOUNDED UTILITY FUNCTIONS AND THE
DIFFERENCE BETWEEN WILLINGNESS TO PAY AND
WILLINGNESS TO ACCEPT**

Sudip Chattopadhyay, San Francisco State University

Co-Author(s): Edward R. Morey,

SCOPE, PHOTOGRAPHS, AND WILLINGNESS TO PAY OF CITIZENS FOR NATIONAL BIRD CONSERVATION: A CONTINGENT VALUATION APPLICATION IN DEVELOPING COUNTRY

Rex Labao, Economy and Environment Program for Southeast Asia (EEPSEA); Resources, Environment and Economics Center for Studies, Inc. (REECS)

Co-Author(s): Herminia Francisco, Economy and Environment Program for Southeast Asia (EEPSEA), Dieldre Harder, Resources, Economic and Environmental Centre for Studies, Inc (REECS) and Florence Ivy Santos, Resources, Environment, and Economics Center for Studies

11:30 - 13:00

1D: R&D AND TECHNOLOGICAL DEVELOPMENT I

Room G

Chairperson: Etsuyo Michida, Institute of Developing Economies, JETRO

ECONOMIC IMPACTS OF BIOMASS BASED MATERIAL SUBSTITUTION AND RESOURCE CASCADING SYSTEMS

Ada Ignaciuk, Wageningen University

Co-Author(s): Johan Sanders, WUR

ENVIRONMENTAL REGULATION WITH LEARNING, STRATEGIC INVESTMENT, AND LEARNING

Nori Tarui, Columbia University

Co-Author(s): Steve Polasky, University of Minnesota

ARE THERE WIN-WIN OPPORTUNITIES IN DEVELOPING COUNTRIES?

Etsuyo Michida, Institute of Developing Economies, JETRO

11:30 - 13:00

1E: NOISE POLLUTION

Room H

Chairperson: Sonja Kruitwagen, Netherlands Environmental Assessment Agency (MNP)

VALUING AIRCRAFT NOISE: THRESHOLD, LEVEL AND INDEX EFFECTS

Abigail Bristow, Loughborough University

Co-Author(s): Mark Wardman, University of Leeds

ESTIMATING THE DEMAND FOR PEACE AND QUIET USING PROPERTY MARKET DATA

Brett Day, Centre for Social and Economic Research on the Global Environment

Co-Author(s): Ian J. Bateman, University of East Anglia and Iain Lake, University of East Anglia

NOISE ANNOYANCE IN THE NETHERLANDS: AN EMPIRICAL VALUATION STUDY

Sonja Kruitwagen, Netherlands Environmental Assessment Agency (MNP)

Co-Author(s): Leon Janssen, Netherlands Environmental Assessment Agency (MNP) and Jeroen Udo, Tilburg University

11:30 - 13:00

1F: PROTECTED AREAS AND PARKS

Room B-2

Chairperson: Isabel Mendes, ISEG- Instituto Superior de Economia e Gest3o, Technical University of Lisbon

<hr/>		
	<p>PARKS, BUFFER ZONES, AND COSTLY ENFORCEMENT Elizabeth JZ Robinson, University of Oxford Co-Author(s): Heidi J. Albers, Oregon State University</p> <p>MODELING THE DEMAND FOR SICILIAN REGIONAL PARKS: A COMPOUND POISSON APPROACH Giovanni Signorello, UNIVERSITY OF CATANIA - ENVALAB Co-Author(s): Maria De Salvo, University of Catania, Jeffrey Englin, University of Nevada and Adam Longhorn, University of Nevada</p> <p>MEASURING THE AVERAGE PER-DAY NET BENEFIT OF NON-COUNSUMPTIVE WILDLIFE-ASSOCIATED RECREATION FOR A NATIONAL PARK: A COUNT DATA TRAVEL COST APPROACH Isabel Mendes, ISEG- Instituto Superior de Economia e Gestão, Technical University of Lisbon Co-Author(s): Isabel Proença, ISEG-Instituto Superior de Economia e Gestão, Technical Univerisyt of Lisbon</p>	
11:30 - 13:00	<p>1G: EXPERIMENTS IN ENVIRONMENTAL ECONOMICS I Chairperson: Andreas Lange , University of Maryland</p>	Room B-1
	<p>UNILATERAL EMISSIONS ABATEMENT: AN EXPERIMENT Bodo Sturm, Centre for European Economic Research (ZEW) Co-Author(s): Joachim Weimann, Otto von Guericke University Magdeburg, Faculty of Economics and Management</p> <p>WHEN GOOD INCENTIVES GO BAD: AN EXPERIMENTAL STUDY OF INSTITUTIONS, MOTIVATIONS AND CROWDING OUT Andrew Reeson, CSIRO Co-Author(s): John Tisdell, Griffith University</p> <p>THE OPTIMAL DESIGN OF CHARITABLE LOTTERIES: THEORY AND EXPERIMENTAL EVIDENCE Andreas Lange , University of Maryland</p>	
11:30 - 13:00	<p>1H: RENEWABLE ENERGY I Chairperson: Jörg Peters, Rheinisch-Westfaelisches Institut für Wirtschaftsforschung (RWI)</p>	Room I
	<p>THE INTERNALIZATION OF EXTERNALITIES IN THE PRODUCTION OF ELECTRICITY: WILLINGNESS TO PAY FOR THE ATTRIBUTES OF A POLICY FOR RENEWABLE ENERGY Alberto Longo, Queen's University Belfast and University of Bath Co-Author(s): Anil Markandya, FEEM and Marta Petrucci, University of Bath</p> <p>DOES MONEY TALK? THE EFFECT OF A MONETARY ATTRIBUTE ON THE MARGINAL RATE OF SUBSTITUTION IN A CHOICE EXPERIMENT Claudia Aravena, Universidad de Concepción - Concepción - Chile Co-Author(s): Peter Martinsson, department of economics, göteborg University and Riccardo Scarpa, University of Waikato, Economics Dpt</p>	

BIODIESEL: A NEW OILDORADO?

Jörg Peters, Rheinisch-Westfälisches Institut für
Wirtschaftsforschung (RWI)

Co-Author(s): Manuel Frondel, Rheinisch-Westfälisches Institut für
Wirtschaftsforschung

11:30 - 13:00

1I: ENVIRONMENTAL TAXES: THEORY

Room E

Chairperson: Angels Xabadia, University of Girona

**TAX DESIGN WITH ENDOGENOUS EARNING ABILITIES AND
CONSUMPTION AND PRODUCTION EXTERNALITIES (WITH
APPLICATIONS TO FRANCE)**

Norbert Ladoux, University of Toulouse (IDEI and GREMAQ)

**OPTIMAL AVIATION TICKET AND FUEL TAXES WITH
ENVIRONMENTAL EXTERNALITIES AND FACTOR
SUBSTITUTION**

Jon Strand, International Monetary Fund

**INVESTMENT POLICY FOR NEW ENVIRONMENTAL
MONITORING TECHNOLOGIES**

Angels Xabadia, University of Girona

Co-Author(s): Katrin Millock, Centre d'Economie de la Sorbonne
(CNRS-University of Paris I) and David Zilberman, University of
California at Berkeley

11:30 - 13:00

1J: AIR POLLUTION I

Room J

Chairperson: Milan Scasny, Charles University
Environmental Center

**A GENERALIZED METHOD OF HEDONIC PRICES:
MEASURING BENEFITS FROM REDUCED URBAN AIR
POLLUTION M.N. MURTY AND S.C. GULATI**

Murty M N, Institute of Economic Growth

Co-Author(s): Gulati S C, Institute of Economic Growth

**AN ECONOMETRIC ANALYSIS ON THE ENVIRONMENTAL
PERFORMANCE OF INDUSTRIAL ENTERPRISES IN CHINA**

Dong Cao, Chinese academy for environmental planning

Co-Author(s): Jinnan Wang, Chinese academy for environmental
planning

**ECONOMIC ANALYSIS OF DRIVING FORCES OF AIR
POLLUTION DURING THE TRANSITION PROCESS: EKC
HYPOTHESIS TESTING IN THE CZECH REPUBLIC.**

Milan Scasny, Charles University Environmental Center

Co-Author(s): Jan Bruha, Charles University Environment Center

11:30 - 13:00

**1K: CONTINGENT VALUATION:
METHODOLOGICAL ASPECTS I**

Room C-1

Chairperson: Xiaolin Ren, University of Illinois at
Urbana-Champaign

**TESTING FOR THE SURVEY MODE EFFECT ON CONTINGENT
VALUATION DATA QUALITY: A CASE STUDY OF WEB BASED
VERSUS IN-PERSON INTERVIEWS**

Cristina Marta, Departamento de Botânica, Faculdade de Ciências

e Tecnologia, Universidade de Coimbra, Portugal
Co-Author(s): Tiago Domingos, Environment and Energy Section,
DEM, Instituto Superior Técnico and Helena Freitas, Departamento
de Botânica, Faculdade de Ciências e Tecnologia, Universidade de
Coimbra, Portugal

**DOES CONSEQUENTIALITY ENSURE DEMAND REVELATION
IN DOUBLE REFERENDA**

George. Hutchinson, Queen's University Belfast
Co-Author(s): Katherine Carson, USAFA and Susan Chilton,
University of Newcastle

**LANGUAGE-RELATED DIFFERENCES IN ENVIRONMENTAL
BENEFITS ESTIMATION: EVIDENCE FROM A MAIL SURVEY**

Xiaolin Ren, University of Illinois at Urbana-Champaign
Co-Author(s): John Braden, University of Illinois and Arianto
Patunru, University of Indonesia

11:30 - 13:00

1L: DELEGATION AND DECENTRALISATION

Room 501

Chairperson: C.-Y. Cynthia Lin, Department of
Economics, Harvard University

**DECENTRALIZATION AND ENVIRONMENTAL QUALITY: AN
INTERNATIONAL ANALYSIS OF WATER POLLUTION**

Hilary Sigman, Rutgers University

**DOES DECENTRALIZATION WORK? FOREST
CONSERVATION IN THE HIMALAYAS**

E. Somanathan, Indian Statistical Institute, Delhi
Co-Author(s): Bhupendra Singh Mehta, Foundation for Ecological
Security and R. Prabhakar, Ashoka Trust for Research in Ecology
and Environment

**HOW SHOULD STANDARDS BE SET AND MET?: AN
INCOMPLETE CONTRACTING APPROACH TO DELEGATION
IN REGULATION**

C.-Y. Cynthia Lin, Department of Economics, Harvard University

11:30 - 13:00

1M: GENDER ISSUES

Room 509

Chairperson: Riccardo Scarpa, University of Waikato,
Economics Dpt

**WHO COLLECTS RESOURCES WHEN THE ENVIRONMENT
DEGRADES?**

Neetu Chopra, Delhi School of Economics
Co-Author(s): Shreekanth Gupta, Delhi School of Economics

**WHAT IS THE STATUS OF THE ENVIRONMENTAL GENDER
GAP AMONG LIBERAL ARTS UNDERGRADUATE STUDENTS?**

Scott Steele, Berea College

**JOINT VERSUS SEPARATE DECISIONS WITH TASTE
VARIATION: EXPLORING RESPONSES OF COUPLES IN
CHOICE EXPERIMENTS FOR COASTAL WATER QUALITY
VALUATION IN TOBAGO**

Riccardo Scarpa, University of Waikato, Economics Dpt
Co-Author(s): Nesha Beharry, Environment Dpt, University of York

11:30 - 13:00	1N: TRAVEL COST METHOD Chairperson: Marcella Veronesi, Department of Agricultural and Resource Economics, University of Maryland and Department of Economics, University of Verona, Italy	Room 553
	THE INTERTEMPORAL SUBSTITUTION OF RECREATION DEMAND: A DYNAMIC KUHN-TUCKER MODEL WITH A CORNER SOLUTION Koichi Kuriyama, Waseda University Co-Author(s): Michael Hanemann, University of California, Berkeley ESTIMATING DISCRETE CHOICE MODELS WITH NOISY DATA: AN INVESTIGATION OF SEVERAL METHODOLOGIES Daniel Hellerstein, USDA/Economic Research Service Co-Author(s): Kevin Egan, University of Toledo INDIVIDUAL VERSUS HOUSEHOLD IN RECREATIONAL DEMAND MODELS Marcella Veronesi, Department of Agricultural and Resource Economics, University of Maryland and Department of Economics, University of Verona, Italy	
11:30 - 13:00	1O: ECOSYSTEM SERVICES Chairperson: Henry Kinuthia, National Environmental Management Authority	Room 510
	VALUING CHANGES IN THE QUALITY OF CORAL REEF ECOSYSTEMS IN THE CARIBBEAN: A STATED PREFERENCE STUDY OF RECREATIONAL SCUBA DIVING IN THE BONAIRE NATIONAL MARINE PARK George Parsons, University of Delaware Co-Author(s): Steven Thur, NOAA VALUES OF ECOSYSTEM SERVICES ON ARABLE LAND AND THE ROLE OF ORGANIC FARMING Yuki Takatsuka, Lincoln University Co-Author(s): Ross Cullen, Lincoln University, Matthew Wilson, University of Vermont and Steve Wratten, Lincoln University COMMUNITY LIVELIHOODS AND PERCEIVED ECONOMIC VALUE OF SHARED ECOSYSTEM RESOURCES: A CASE OF THE MAASAI PERCEPTION AND ECONOMIC VALUATION OF THE MUKOGODO FOREST IN LAIKIPIA DISTRICT, KENYA Henry Kinuthia, National Environmental Management Authority Co-Author(s): Francis Mwaura, University of Nairobi	
11:30 - 13:00	1P: THEORY OF ENVIRONMENTAL POLICY I Chairperson: Amos Zemel, Ben Gurion University of the Negev	Room 554
	EMISSION CAPS VERSUS AMBIENT STANDARDS WHEN DAMAGE FROM POLLUTION IS STOCHASTIC Till Requate, University of Kiel EFFICIENT ENVIRONMENTAL TARGETS Tihomir Ancev, University of Sydney	

REGULATING ENVIRONMENTAL THREATS

Amos Zemel, Ben Gurion University of the Negev

Co-Author(s): Yacov Tsur, The Hebrew University

13:00 - 14:30

LUNCH

13:00 - 14:30

ERE EDITORIAL BOARD MEETING (BY INVITATION ONLY)

13:00 - 14:30

ERE EDITORIAL BOARD MEETING (BY INVITATION ONLY)

Room K

Chairperson: Ian J. Bateman, University of East Anglia

14:30 - 16:15

PARALLEL SESSIONS 02

14:30 - 16:15

SYMPOSIUM SESSION: 2A: THE DESIGN OF CLIMATE POLICY

Room B-1

Chairperson: Barbara Buchner, Fondazione Eni Enrico Mattei

Organizer: Barbara Buchner, Fondazione Eni Enrico Mattei

EVALUATING VOLUNTARY U.S. CLIMATE PROGRAMS: THE CASE OF CLIMATE WISE

William Pizer, Resources for the Future

Co-Author(s): Richard Morgenstern, Resources for the Future and Jhih-Shyang Shih, Resources for the Future

EXPERIENCES FROM THE FIRST ALLOCATION ROUND IN THE EU EMISSIONS TRADING SCHEME

Barbara Buchner, Fondazione Eni Enrico Mattei

Co-Author(s): Carlo Carraro, University of Venice and A. Denny Ellerman, Center for Energy and Environmental Policy Research, Massachusetts Institute of Technology (MIT)

EUROPEAN UNION ENVIRONMENTAL POLICY WITH PARTICULAR REFERENCE TO THE USE, POTENTIAL AND EFFECTIVENESS OF MARKET-BASED INSTRUMENTS

Frank Convery,

14:30 - 16:15

SYMPOSIUM SESSION: 2B: ON-SITE SURVEY DATA AND ISSUES

Room B-2

Chairperson: Daigee Shaw, Institute of Economics, Academia Sinica

Organizer: Daigee Shaw, Institute of Economics, Academia Sinica

ESTIMATION OF CHOICE PROBABILITIES AND QUANTITIES

DEMANDED FROM ENDOGENOUS SAMPLES

Daigee Shaw, Institute of Economics, Academia Sinica

INTERCEPT AND RECALL: EXAMINING AVIDITY CARRYOVER IN ON-SITE SAMPLE DATA

Klaus Moeltner,

LENGTH-BIASED SAMPLING: A REVIEW OF APPLICATIONS

Termeh Shafie,

ON-SITE SAMPLING BIAS IN CONTINGENT BEHAVIOR SURVEY DATA

Ju-Chin Huang,

EMPIRICAL PERFORMANCE OF ENDOGENOUSLY STRATIFIED AND TRUNCATED CONTINUOUS DISTRIBUTIONS: AN APPLICATION OF THE EXPONENTIAL DISTRIBUTION TO ROMANIA

Jeffrey Englin, University of Nevada

14:30 - 16:15

SYMPOSIUM SESSION: 2C: BEHAVIORAL RESPONSES TO ENVIRONMENTAL INFORMATION DISCLOSURE PROGRAMS

Room C-1

Chairperson: Lori Bennear, Duke University

Organizer: Lori Bennear, Duke University

DOES PUBLIC DISCLOSURE REDUCE DRINKING WATER VIOLATIONS?: EVIDENCE FROM MASSACHUSETTS

Lori Bennear, Duke University

CAN INFORMATION ALONE CHANGE BEHAVIOR? ARSENIC CONTAMINATION OF GROUNDWATER IN BANGLADESH

Alexander Pfaff, Economics Department, Columbia University

Co-Author(s): Malgosia Madajewicz, Columbia University

INCENTIVES TO SELF REPORT: REGULATORY TREATMENT OF "VOLUNTARY" DISCLOSURES

Alexander Pfaff, Economics Department, Columbia University

Co-Author(s): Krishna Rao, Columbia University

INFORMATION DISCLOSURE: PLANT LEVEL RESPONSES TO TRI RANKINGS

Aaron Swoboda, University of Pittsburgh

Co-Author(s): Shanti Gamper-Rabindran ,

14:30 - 16:15

SYMPOSIUM SESSION: 2D: HEALTH VALUATION IN ASIA

Room C-2

Chairperson: Kenshi Itaoka, Mizuho Information & Research Institute

Organizer: Kenshi Itaoka, Mizuho Information & Research Institute

MORBIDITY VALUATION WITH CESSATION LAG: CHOICE EXPERIMENTS FOR PUBLIC AND PRIVATE GOODS IN JAPAN

Kenshi Itaoka, Mizuho Information & Research Institute

Co-Author(s): Makoto Akai, National Institute of Advanced Industrial Science and Technology (AIST), Alan Krupnick, Resources for the Future and Aya Saito, Mizuho Information & Research Institute, Inc.

**CONTINGENT VALUATION AND THE ECONOMIC VALUE OF
AIR-POLLUTION-RELATED HEALTH RISKS IN CHINA**

Xiaoqi Guo, Ohio State University

Co-Author(s): Timothy Haab, Department of Agricultural,
Environmental and Development Economics, The Ohio State
University and James K. Hammitt, Harvard University

**SOCIETAL PERSPECTIVES ON VALUING RISK REDUCTIONS
FOR CHILDREN**

Kenji Takeuchi, Kobe University

Co-Author(s): Atsuo Kishimoto, and Takahiro Tsuge, Takasaki City
University of Economics

**MORTALITY RISK VALUATION IN SIX COUNTRIES: TESTING
BENEFIT TRANSFER APPROACHES**

Alan Krupnick, Resources for the Future

Co-Author(s): Anna Alberini, AREC, University of Maryland and
FEEM, Venice, Soma Bhattacharya, University of Maryland and
Marcella Veronesi, Department of Agricultural and Resource
Economics, University of Maryland and Department of Economics,
University of Verona, Italy

**THE VALUE OF MORTALITY RISK REDUCTIONS IN DELHI,
INDIA**

Maureen Cropper, World Bank

Co-Author(s): Anna Alberini, AREC, University of Maryland and
FEEM, Venice and Soma Bhattacharya, University of Maryland

14:30 - 16:15

**2E: DIFFERENTIAL GAMES IN ENVIRONMENTAL
ECONOMICS**

Room D

Chairperson: Santiago Rubio, university of valencia

**A DIFFERENTIAL GAME THEORETIC ANALYSIS OF
INTERNATIONAL TRADE IN RENEWABLE RESOURCES**

Amit Batabyal, Rochester Institute of Technology

Co-Author(s): Hamid Beladi, University of Texas at San Antonio

TAX SCHEMES IN A CLASS OF DIFFERENTIAL GAMES

Ken-Ichi Akao, Waseda University

**FEEDBACK NASH EQUILIBRIA FOR NON-LINEAR
DIFFERENTIAL GAMES IN POLLUTION CONTROL**

Aart de Zeeuw, University of Tilburg

Co-Author(s): George Kossioris, University of Crete, Karl-Göran
Mäler, The Beijer Institute, Michael Plexousakis, University of Crete
and Anastasios Xepapadeas, University of Crete and President of
EAERE

**ON CAPTURING RENT FROM A NON-RENEWABLE
RESOURCE INTERNATIONAL MONOPOLY: A DYNAMIC GAME
APPROACH**

Santiago Rubio, university of valencia

14:30 - 16:15

**2F: DISCOUNTING AND INTERGENERATIONAL
EQUITY**

Room E

Chairperson: Thomas Sterner, University of Göteborg

**RECONSIDERATION OF DYNAMIC UTILITY OPTIMISATION
AND INTERGENERATIONAL EQUITY IN SUSTAINABLE**

DEVELOPMENT STUDIES

Satoshi Kojima, Institute for Global Environmental Strategies

PARADOXICAL CONSUMPTION BEHAVIOR WHEN ECONOMIC ACTIVITY HAS ENVIRONMENTAL EFFECTS

Geir B. Asheim, University of Oslo

DECLINING DISCOUNT RATES: A CROSS-COUNTRY COMPARISON

Phoebe Koundouri, Athens University of Economics and Business

DISCOUNTING AND RELATIVE PRICES IN ASSESSING FUTURE ENVIRONMENTAL DAMAGES

Thomas Sterner, University of Göteborg

Co-Author(s): Michael Hoel, University of Oslo

14:30 - 16:15

2G: ENVIRONMENTAL KUZNETS CURVES: THEORY

Room F

Chairperson: Luisito Bertinelli, universite de luxembourg

CAPITAL ACCUMULATION, INTEREST RATE, AND THE INCOME-POLLUTION PATTERN. A SIMPLE MODEL

Di Vita Giuseppe, University of Catania

ECONOMIC GROWTH AND THE DIFFUSION OF CLEAN TECHNOLOGIES: EXPLAINING ENVIRONMENTAL KUZNETS CURVES

Hannes Egli, ETH Zurich

Co-Author(s): Lucas Bretschger, ETH Zürich and Sjak Smulders, University of Tilburg

RICH AND POOR JOINING HANDS AGAINST THE MIDDLE CLASS ENVIRONMENTAL ELITE?

Clas Eriksson, SLU

SUSTAINABLE ECONOMIC DEVELOPMENT AND THE ENVIRONMENT: THEORY AND EVIDENCE

Luisito Bertinelli, universite de luxembourg

Co-Author(s): Eric Strobl, Ecole Polytechnique and Benteng Zou,

14:30 - 16:15

2H: WATER MANAGEMENT I

Room G

Chairperson: CHISATO ASAH, Policy Research Institute for Land, Infrastructure and Transport, Ministry of Land, Infrastructure and Transport, JAPAN.

ALLOCATING RESOURCES IN AN UNCERTAIN WORLD: WATER MANAGEMENT AND ENDANGERED SPECIES RISK

Richard Woodward, Dept. of Ag. Economics, Texas A&M Univ.

Co-Author(s): Richard Woodward, Dept. of Ag. Economics, Texas A&M Univ.

GOING BEYOND WILLINGNESS TO PAY: SOCIO-POLITICAL DETERMINANTS OF THE FEASIBILITY OF A WATER TARIFF REFORM IN MEXICO CITY

Gloria Soto Montes de Oca, Universidad Iberoamericana and CSERGE, University of East Anglia

Co-Author(s): Ian J. Bateman, University of East Anglia

ALTERNATIVE INSTITUTIONS FOR WATER DISTRIBUTION

Ujjayant Chakravorty, University of Central Florida and Chieko Umetsu, Research Institute for Humanity and Nature

EFFICIENCY OF EX POST RISK MANAGEMENT SYSTEM: STUDY OF MUNICIPAL WATER POLLUTION

CHISATO ASAH, Policy Research Institute for Land, Infrastructure and Transport, Ministry of Land, Infrastructure and Transport, JAPAN.

Co-Author(s): Kiyoko Hagihara, Faculty of Urban Environmental Sciences, Tokyo Metropolitan University, JAPAN.

14:30 - 16:15

2I: ILLEGAL ACTIVITIES

Room H

Chairperson: Lorenzo Pellegrini, Institute for Social Studies

OPTIMAL WASTE POLICIES WHEN ILLEGAL DISPOSAL CAN BE CONCEALED

Hideo Koide, Seinan Gakuin University

AN EMPIRICAL STUDY OF ILLEGAL DUMPING OF HOME ELECTRIC APPLIANCES

Shigeru Matsumoto, Kansai University

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

OPTIMAL CLEANUP POLICY FOR ILLEGALLY DUMPED SCRAP TIRE STOCKPILE UNDER RISK OF FIRE

Naoya Abe, National Institute for Environmental Studies (JAPAN) / Cornell University (US)

THE RULE OF THE JUNGLE IN PAKISTAN: A CASE STUDY ON CORRUPTION AND FOREST MANAGEMENT IN SWAT

Lorenzo Pellegrini, Institute for Social Studies

14:30 - 16:15

2J: HEDONIC PRICING

Room I

Chairperson: Arianto Patunru, University of Indonesia

HEDONIC PRICE FUNCTIONS FOR ZURICH AND LUGANO WITH SPECIAL FOCUS ON ELECTROSMOG

Massimo Filippini, Swiss federal Institute of Technology (ETHZ) and USI

Co-Author(s): Silvia Banfi, and Andrea Horehajova,

DOES HOUSING MARKET IN JAPAN RESPOND TO THE DISCLOSURE OF THE INFORMATION ON THE RELEASE AND TRANSFER OF CHEMICAL SUBSTANCES FROM THE FACILITY?

Akira Hibiki, National Institute for Environmental Studies

Co-Author(s): Shunsuke Managi, Yokohama National University

QUALITY OF LIFE AND ENVIRONMENTAL AMENITIES: A SUBJECTIVE WELL-BEING APPROACH

Finbarr Brereton, UCD School of Geography, Planning and Environmental Policy,

Co-Author(s): J. Peter Clinch, UCD School of Geography, Planning and Environmental Policy and Susana Ferreira, University College Dublin

WHO CARES ABOUT ENVIRONMENTAL STIGMAS AND DOES IT MATTER?

Arianto Patunru, University of Indonesia
Co-Author(s): John Braden, University of Illinois and Sudip
Chattophadyay, San Francisco State University

14:30 - 16:15

**2K: FINANCE AND ENVIRONMENTAL AND
RESOURCE ECONOMICS (MIZUHO FINANCIAL
GROUP SESSION)**

Room J

Chairperson: Mario Fernandez, Escuela Superior
Politecnica del Litoral

**DOES CORPORATE SUSTAINABILITY MATTER TO
INVESTORS?**

Shih-Fang Lo, Chung-Hua Institution for Economic Research
Co-Author(s): Her-Jiun Sheu, Department of Management Science,
National Chiao-Tung University

**THE FUTURE ROLE OF PHOTOVOLTAICS. A LEARNING
CURVE VERSUS PORTFOLIO PERSPECTIVE.**

Johan Albrecht, Ghent University

**WHAT DETERMINES THE INCLUSION IN A SUSTAINABILITY
STOCK INDEX? A PANEL DATA ANALYSIS FOR EUROPEAN
COMPANIES**

Andreas Ziegler, Centre for European Economic Research (ZEW)
Co-Author(s): Michael Schröder, Centre for European Economic
Research (ZEW)

**MEDIAN-UNBIASED ESTIMATION OF THE PERSISTENCE OF
SHOCKS TO THE PRICE SERIES OF SIX COMMODITIES**

Mario Fernandez, Escuela Superior Politecnica del Litoral

14:30 - 16:15

2L: BIODIVERSITY I

Room K

Chairperson: Laura Gariup, Munich Graduate School of
Economics

**OPTIMAL CONTRACT LENGTH FOR VOLUNTARY LAND
CONSERVATION PROGRAMS**

Amy Ando, University of Illinois at Urbana-Champaign
Co-Author(s): Xiaoxuan Chen, University of Illinois at
Urbana-Champaign

**MANAGING LAND USE AND LAND COVER CHANGE IN THE
BIODIVERSITY CONTEXT WITH REGARD TO EFFICIENCY,
EQUALITY AND ECOLOGICAL ACCURACY**

Cornelia Ohl, UFZ Centre for Environmental Research
Leipzig-Halle

Co-Author(s): Martin Drechsler, , Karin Johst, and Frank Wätzold,

**COST-EFFICIENT RESERVE SITE SELECTION FAVORING
PERSISTENCE OF THREATENED AND ENDANGERED
SPECIES**

Bertrand Hamaide, Facultes Universitaires Saint-Louis
Co-Author(s): Charles S. ReVelle, Johns Hopkins University and
Justin C. Williams, Johns Hopkins University

**BIODIVERSITY LOSS AND STOCHASTIC TECHNOLOGICAL
PROCESSES: A SUSTAINABLE GROWTH ANALYSIS**

Laura Gariup, Munich Graduate School of Economics

14:30 - 16:15 **2M: INTERTEMPORAL MODELS OF NATURAL RESOURCES** Room 501

Chairperson: Birgit Friedl, Department of Economics,
University of Graz

PRICING RESOURCE EXTRACTION WITH STOCK EXTERNALITIES

Sittidaj Pongkijvorasin, University of Hawaii

Co-Author(s): Basharat Pitafi, University of Southern Illinois,
Carbondale and James Roumasset, University of Hawaii, at Manoa

NATURAL RESOURCE USE CONFLICT: GOLD MINING IN TROPICAL RAINFOREST IN GHANA

Wisdom Akpalu, Department of Economics, Göteborg University,
Sweden.

POLLUTING RESOURCES, ECONOMICALLY RELEVANT STOCK AND ENVIRONMENTAL POLICY

Etienne Billette de Villemeur, University of Toulouse (IDEI &
GREMAQ)

Co-Author(s): André Grimaud, University of Toulouse (IDEI &
LERNA)

RESOURCE TECHNOLOGY SHOCKS AND THE TRANSITIONAL DYNAMICS IN AN OLG MODEL WITH HARVEST COSTS

Birgit Friedl, Department of Economics, University of Graz

Co-Author(s): Karl Farmer, Department of Economics, University of
Graz

14:30 - 16:15 **2N: TOURISM** Room 509

Chairperson: Yasushi Shoji, Hokkaido University

BENCHMARKING IN TOURISM DESTINATION, KEEPING IN MIND THE SUSTAINABLE PARADIGM

Alessandro Lanza, FEEM

Co-Author(s): Valentina Bosetti, FEEM

TOURISM SPECIALIZATION AND ENVIRONMENTAL SUSTAINABILITY IN A DYNAMIC ECONOMY

Fabio Cerina, University of Cagliari and CRENoS

DEMAND DRIVEN SUSTAINABLE TOURISM? A CHOICE MODELLING APPROACH

Rinaldo Brau, University of Cagliari

DETERMINING VISITOR PREFERENCES FOR MAINTENANCE AND REPAIR OF ALPINE TRAILS BY APPLYING PHOTOGRAPHIC TECHNIQUES AND CHOICE EXPERIMENT

Yasushi Shoji, Hokkaido University

Co-Author(s): Tomoya Hashizume, Hokkaido University, Koichi
Kuriyama, Waseda University and Takahiro Tsuge, Takasaki City
University of Economics

14:30 - 16:15 **2O: FISHERIES I** Room 510

Chairperson: John Lynham, University of California
Santa Barbara

BALANCING EFFICIENCY AND RISK WITH FLEXIBLE CATCH

BALANCING POLICIES FOR MULTISPECIES INDIVIDUAL FISHERY QUOTAS

Daniel S. Holland, Gulf of Maine Research Institute

Co-Author(s): Guillermo Herrera, Bowdoin College

PLAYING CHICKEN WITH SALMON

Jon Olaf Olaussen, Department of Economics, NTNU

THE IMPACT OF COLLECTIVE FISHING PERMITS ON FLEET ACTIVITY AND LANDINGS IN THE ARTISANAL HAKE FISHERY IN CHILE

Carlos Chavez, Department of Economics, Concepcion University, Chile.

Co-Author(s): Jorge Dresdner, Universidad de Concepcion

SCHOOLS OF FISHERMEN: A THEORY OF INFORMATION SHARING IN SPATIAL SEARCH

John Lynham, University of California Santa Barbara

14:30 - 16:15

2P: VOLUNTARY POLLUTION ABATEMENT I

Room 553

Chairperson: Bowman Cutter, UC Riverside

ENFORCEMENT AND OVER-COMPLIANCE

Jay Shimshack, Tufts University

Co-Author(s): Michael B. Ward, Resources Policy Center

DO ENVIRONMENTAL AUDITS IMPROVE COMPLIANCE?

Madhu Khanna, University of Illinois at Urbana-Champaign

Co-Author(s): Diah widyawati, University of Illinois

EVALUATING FIRMS' DECISIONS OF VOLUNTARY POLLUTION ABATEMENT: EMPIRICAL FINDINGS FROM THE PROPER PROGRAM IN INDONESIA

Nurul Jannah, Graduate School for International Development and Cooperation, Hiroshima University.

Co-Author(s): Shunji Matsuoka, Hiroshima University and Katsuya Tanaka, Hiroshima University

VOLUNTARY PROGRAMS AND ENVIRONMENTAL REGULATION: EVIDENCE FROM 'SPARE THE AIR'

Bowman Cutter, UC Riverside

Co-Author(s): Matthew Neidell, Columbia University

14:30 - 16:15

2Q: SPATIAL ISSUES AND GEOGRAPHY

Room 554

Chairperson: Caviglia-Harris Jill, Salisbury University

MODELING SPATIAL SUSTAINABILITY: SPATIAL WELFARE ECONOMICS VERSUS ECOLOGICAL FOOTPRINT

Fabio Grazi, Dept. of Spatial Economics, Free University of Amsterdam

Co-Author(s): Piet Rietveld, and Jeroen van den Bergh, Free University Amsterdam

VALUING SPATIALLY INTEGRATED AMENITIES AND RISKS IN COASTAL HOUSING MARKETS

Okmyung Bin, East Carolina University

Co-Author(s): Tom Crawford, , Jamie Kruse, and Craig Landry,

WATER POLICY INSTRUMENTS IN THE PRESENCE OF SPATIAL HETEROGENEITY: AN APPLICATION TO THE

EUTROPHICATED STOCKHOLM ARCHIPELAGO

Henrik Scharin, Swedish Environmental Protection Agency

Co-Author(s): Ing-Marie Gren, Department of Economics, SLU, Uppsala

IMPROVING LAND USE MODELING USING GIS DATA AND SPATIAL ANALYSIS

Caviglia-Harris Jill, Salisbury University

Co-Author(s): Harris Daniel, Salisbury University

16:30 - 18:30

GLOBAL ENVIRONMENTAL POLICY PANEL

16:30 - 18:30

INTERNATIONAL FRAMEWORK FOR POST KYOTO PROTOCOL

Room Main Hall

Chairperson: Kazuhiro Ueta , Kyoto University and President of SEEPS

PRESENTATION 1

Rajendra K. Pachauri, IPCC

PRESENTATION 2

Nobel Laureate Professor Joseph E. Stiglitz, Columbia University

PRESENTATION 3

Kejun Jiang, Energy Research Institute, National Development and Reform Commission, Beijing, China

PRESENTATION 4

Carlo Carraro, University of Venice

PRESENTATION 5

Takamitsu Sawa, Ritsumeikan University

WEDNESDAY 5 JULY 2006

08:45 - 10:30 **PARALLEL SESSIONS 03**

08:45 - 10:30 **SYMPOSIUM SESSION: 3A: FOOD SAFETY IN JAPAN; ATTITUDES, CONSUMER BEHAVIORS AND INSTITUTIONS** Room B-2

Chairperson: Ryohei KADA, AMITA Institute for Sustainable Economies

Organizer: Ryohei KADA, AMITA Institute for Sustainable Economies

BSE-RELATED RISK PERCEPTIONS AND ATTITUDES OF JAPANESE CONSUMERS: AN OPINION SURVEY OF THE TOKYO-METROPOLITAN AREA

Atsushi Maruyama, Chiba University

Co-Author(s): Shinichi Kurihara, Chiba University, A.E. Luloff, Pennsylvania State University, Tomoyoshi Matsuda, Chiba University, Mima Nishiyama, Chiba University and Shimoura Shinpei, Chiba University

ECONOMIC ANALYSIS OF COSTS AND ECONOMIC LOSSES IN THE BUILDING PROCESS OF THE BSE RISK MANAGEMENT SYSTEM

Yoshihito Senda, AMITA Institute for Sustainable Economies

Co-Author(s): Masahiko Arij, AMITA Institute for Sustainable Economies

DETERMINANTS OF WILLINGNESS TO PAY FOR NON-GENETICALLY MODIFIED FOODS: THE MEDIATING ROLE OF RISK PERCEPTION

Taku Terawaki, Ritsumeikan University

Co-Author(s): Wen S. Chern, The Ohio State University and Naoya Kaneko, The Ohio State University

THE INFLUENCE OF THE JAPANESE CONSUMERS' ATTITUDES TOWARDS FOOD SAFETY ON THE EVALUATIONS OF BEEF : A CHOICE EXPERIMENT ANALYSIS

Hideo Aizaki, National Institute for Rural Engineering

Co-Author(s): Toshiko Kikkawa, Keio University, Kazuo Sato, Rakuno Gakuen University and Manabu Sawada, Obihiro University of Agriculture and Veterinary Medicine

EVOLUTIONAL GAME THEORETIC APPROACH TO FOOD CONSUMPTION IN JAPAN

Kodama Yoshifumi, Utsunomiya University

Co-Author(s): Jinjiro CHINO, Utsunomiya University, Koji KATO, Utsunomiya University and Yoshifumi KODAMA, Utsunomiya University

DIFFICULTY IN RESTORING PUBLIC CONFIDENCE IN RISK COMMUNICATION --JAPAN'S EXPERIENCES OF BSE

Yoshino Akira, Kyoto University

Co-Author(s): Takashi Takebe, and Hironobu Takeshita, Nihon University

08:45 - 10:30 **SYMPOSIUM SESSION: 3B: HYBRID ECONOMY ENERGY MODELS FOR CLIMATE POLICY ANALYSIS** Room B-1

Chairperson: Carlo Carraro, University of Venice
Organizer: Carlo Carraro, University of Venice

MITIGATION STRATEGIES AND COSTS OF CLIMATE PROTECTION: THE EFFECTS OF ETC IN THE HYBRID MODEL MIND

Ottmar Edenhofer, Potsdam Institute for Climate Impact Research (PIK)

WITCH: WORLD INDUCED TECHNICAL CHANGE HYBRID MODEL

Valentina Bosetti, FEEM

Co-Author(s): Carlo Carraro, University of Venice, Marzio Galeotti, University of Milan, emanuele massetti, FEEM and Massimo Tavoni, FEEM

MACROECONOMIC CONSISTENCY ISSUES IN E3 MODELING: THE CONTINUED FABLE OF THE ELEPHANT AND THE RABBIT

Frédéric Gherzi, PREGX - CNRS

Co-Author(s): Jean-Charles Hourcade, CIRED/CNRS

08:45 - 10:30 **SYMPOSIUM SESSION: 3C: WILLINGNESS TO PAY FOR ENDANGERED SPECIES** Room C-1

Chairperson: David Glover,
Organizer: David Glover,

ATTITUDES ON ENVIRONMENT AND CONSERVATION OF ENDANGERED MARINE TURTLES: AN ASIAN CROSS-COUNTRY STUDY

Orapan nabangchang-Srisawalak, Sukkhotai Thammatirat Open University

HYPOTHETICAL AND REAL WILLINGNESS TO PAY FOR MARINE TURTLE CONSERVATION: A CROSS COUNTRY EXPERIMENT

Dieldre Harder, Resources, Economic and Environmental Centre for Studies, Inc (REECS)

Co-Author(s): Anabeth Indab, , Jianjun Jin, PhD student, University of Macau, Orapan nabangchang-Srisawalak, Sukkhotai Thammatirat Open University, Rodelio Subade, and Thuy Truong, University of Economics HCMC, Vietnam

WILLINGNESS TO PAY FOR MARINE TURTLE CONSERVATION: A CROSS COUNTRY COMPARISON IN ASIA

Anabeth Indab, Resources, Economics and Environmental Centre for Studies

Co-Author(s): Dieldre Harder, Resources, Economic and Environmental Centre for Studies, Inc (REECS), Jianjun Jin, PhD student, University of Macau, Orapan nabangchang-Srisawalak, Sukkhotai Thammatirat Open University, Rodelio Subade, and Thuy Truong, University of Economics HCMC, Vietnam

08:45 - 10:30 **3D: FISHERIES II** Room C-2

Chairperson: Preeti Kapuria, Institute of Economic Growth, Delhi

FISHERY CO-MANAGEMENT AND POOLING ARRANGEMENTS

Hirotsugu Uchida, University of California, Davis

Co-Author(s): James Wilen, University of California, Davis

EXPERT SYSTEMS AND THEIR CONTRIBUTION IN THE SUSTAINABLE MANAGEMENT OF RENEWABLE RESOURCES IN DEVELOPING COUNTRIES. THE CASE OF ALGERIAN FISHERIES.

Said Chaouki CHAKOUR, University of Bejaia, and CREAD Algiers, Algeria.

MEASURING SPECIES DIVERSITY AND ITS IMPACT ON FUTURE CATCH- THE CASE OF MARINE FISHERY IN KERALA

Preeti Kapuria, Institute of Economic Growth, Delhi

ENTRY DETERRENCE OR CONSERVATION IN A FISHERY MODEL AS A POLICY CONTEST: THE EFFECT OF CLIMATE CHANGE ON THE PROBABILITY OF CONSERVATION

Urs Steiner-Brandt, University of Southern Denmark

08:45 - 10:30

3E: EXHAUSTIBLE RESOURCES

Room F

Chairperson: Jean-Pierre Amigues, LERNA - Université de Toulouse 1 and INRA

EXHAUSTIBLE RESOURCE DEPLETION IN A TWO REGION COMPETITIVE ECONOMY

Ramesh C Kumar, University of Waterloo

ON THE EFFECTS OF STOCHASTIC TECHNICAL CHANGE ON OPTIMAL SUSTAINABLE GROWTH PATHS WITH EXHAUSTIBLE RESOURCE

Gilles Lafforgue, University of Toulouse (INRA-LERNA)

CONSTANT SAVINGS RATES AND QUASI-ARITHMETIC POPULATION GROWTH UNDER EXHAUSTIBLE RESOURCE CONSTRAINTS

Cees Withagen, Department of Economics, University of Tilburg and CENTER, Tilburg

Co-Author(s): Geir B. Asheim, University of Oslo, Wolfgang Buchholz, University of Regensburg, John Hartwick, Queen's University and Tapan Mitra,

OPTIMAL ENDOGENOUS SUSTAINABILITY WITH AN EXHAUSTIBLE RESOURCE

Jean-Pierre Amigues, LERNA - Université de Toulouse 1 and INRA
Co-Author(s): Michel MOREAUX, Toulouse I University

08:45 - 10:30

3F: WATER: IRRIGATION I

Room G

Chairperson: Lisa Lee, University of Sydney

SAND MINING EXTERNALITY AND GROUNDWATER DEPLETION IN INDIA

Chandrakanth Mysore, University of Agricultural Sciences, Bangalore

Co-Author(s): Hemalatha AC, University of Agricultural Sciences,

Bangalore and nagaraj nareppa, Dept of Agri Economics

WATER ASSIGNMENT BY A SOCIAL RULE: THE CASE OF SEQUENTIAL RULES

RENAN-ULRICH GOETZ, DEPARTMENT OF ECONOMICS. UNIVERSITY OF GIRONA (SPAIN)

Co-Author(s): Yolanda Martinez, DEPARTMENT OF ECONOMIC ANALYSIS. UNIVERSITY OF ZARAGOZA (SPAIN) and JOFRE RODRIGO, UNIVERITY OF GIRONA (SPAIN)

DESIGNING WATER MARKETS TO MANAGE COUPLED EXTERNALITIES : A PRELIMINARY ANALYSIS

Robert Lifran, INRA LAMETA

Co-Author(s): Sophie Legras, University of Montpellier 1 and Australian National University

WEIGHING UP THE COST: ECONOMIC IMPACT OF WATER SCARCITY AND ENVIRONMENTAL TARGETS

Lisa Lee, University of Sydney

Co-Author(s): Tihomir Ancev, University of Sydney

08:45 - 10:30

3G: MORBIDITY AND DISEASE

Room H

Chairperson: Jon Strand, International Monetary Fund

THE IMPACT OF THE BIRD FLU ON PUBLIC WILLINGNESS TO PAY FOR THE PROTECTION OF MIGRATORY BIRDS

Roy Brouwer, Institute for Environmental Studies

Co-Author(s): Elena Sultania, Institute for Environmental Studies and Pieter van Beukering, Institute for Environmental Studies

COMPARISON OF COST-OF-ILLNESS WITH WILLINGNESS-TO-PAY ESTIMATES TO AVOID SHIGELLOSIS: EVIDENCE FROM CHINA

Soyeon Guh, University of North Carolina-Chapel Hill

Co-Author(s): John Clemens, International Vaccine Institute, Andrew Nyamete, International Vaccine Institute, Christine Poulos, Research Triangle Institute, Lorenz von Seidlein, International Vaccine Institute, Dale Whittington, University of North Carolina - Chapel Hill and Chen Xingbao, Fudan Medical University

ZERO VALUES TREATMENT IN CV STUDY OF MORBIDITY: EVIDENCE FROM CZECH STUDY

Jan Urban, Charles University Environment Center

Co-Author(s): Marketa Braun Kohlova, Charles University Environment Center, Jan Melichar, Charles University Environment Center and Milan Scasny, Charles University Environmental Center

VALUATION OF ENVIRONMENTAL IMPROVEMENTS IN CONTINUOUS TIME WITH MORTALITY AND MORBIDITY EFFECTS

Jon Strand, International Monetary Fund

08:45 - 10:30

3H: FORESTRY IN DEVELOPING COUNTRIES I

Room I

Chairperson: Indra Sapkota, University

IS COMMUNITY FOREST MANAGEMENT IN NEPAL EXCLUDING THE POOR?

Baikuntha Aryal, Norwegian Universtiy of Life Sciences

Co-Author(s): Arild Angelsen, Norwegian University of Life

Sciences

DESIGNING PAYMENTS FOR ENVIRONMENTAL SERVICES IN THE CONTEXT OF WEAK PROPERTY RIGHTS AND COMMERCIAL INTERESTS

Charles Palmer, ETH Zurich

Co-Author(s): Stefanie Engel, Center for Development Research, Bonn University

ECONOMIC EVALUATION OF POLLINATION SERVICES COMPARING COFFEE LANDSCAPES IN ECUADOR AND INDONESIA

Roland Olschewski, Institute of Forest Economics

Co-Author(s): Pablo C. Benítez, Department of Economics, Alexandra-Maria Klein, Agroecology; Göttingen University, Stefan Schwarze, Institute of Rural Development and Teja Tscharnke, Agroecology; Göttingen University

FOREST DEPENDENCY AND HOUSEHOLD CHARACTERISTICS: EVIDENCE FROM COMMON PROPERTY FOREST MANAGEMENT IN TERAJ REGION OF NEPAL

Indra Sapkota, University

Co-Author(s): Per Christer Oden, Swedish University of Agricultural Sciences

08:45 - 10:30

3I: ENVIRONMENTAL RISKS I

Room D

Chairperson: Alexander Golub, Environmental Defense

STATISTICAL VS. IDENTIFIED LIVES IN BENEFIT-COST ANALYSIS

Nicolas Treich, INRA, University of Toulouse

Co-Author(s): James K. Hammitt, Harvard University

DYING IN AN AVALANCHE: CURRENT RISKS AND VALUATION

Andrea Leiter, alpS - Center for Natural Hazard Management/University of Innsbruck

Co-Author(s): Gerald J. Pruckner, University of Innsbruck

PRESERVATION AND ENDOGENOUS UNCERTAIN FUTURE PREFERENCES

Ayong Le Kama Alain, MEDEE Université de Lille 1

AN EXPLORATION OF THE EFFECTS OF THE EMISSIONS CAP UPON INNOVATION AND WELFARE WHEN ENVIRONMENTAL DAMAGE AND ABATEMENT COSTS ARE UNCERTAIN

Alexander Golub, Environmental Defense

Co-Author(s): Bostian AJ, University of Virginia, Dudek Daniel, Environmental Defense and Elena Strukova,

08:45 - 10:30

3J: THE FIRM AND THE ENVIRONMENT I

Room J

Chairperson: Koji Kotani, Yokohama National University

ADOPTION OF POLLUTION PREVENTION TECHNIQUES: THE ROLE OF MANAGEMENT SYSTEMS, DEMAND-SIDE FACTORS AND COMPLEMENTARY ASSETS

Madhu Khanna, University of Illinois at Urbana-Champaign

Co-Author(s): George Deltas, University of Illinois and Donna Theresa Ramirez Harrington, University of Guelph

**DIRTY MONEY: IS THERE A WAGE PREMIUM FOR WORKING
IN A POLLUTION INTENSIVE JOB?**

Robert Elliott, University of Birmingham

Co-Author(s): Matthew Cole, University of Birmingham and Joanne
Lindley, University of Sheffield

**PROMOTION OF ECO-PRODUCTS AND ENVIRONMENTAL
REGULATION WITH LEARNING-BY-DOING**

Koji Kotani, Yokohama National University

Co-Author(s): Makoto Kakinaka, International University of Japan

08:45 - 10:30

3K: BIODIVERSITY VALUATION

Room 501

Chairperson: Thomas Broberg,

**VALUING BIODIVERSITY: A COMPARISON OF
COMPENSATING SURPLUS AND COMPENSATING TAX
REALLOCATION**

Mark Morrison, Charles Sturt University

Co-Author(s): Darla Hatton MacDonald, CSIRO

**ENVIRONMENTAL CHANGE, SPECIES' COPING ABILITY AND
BIODIVERSITY VALUE**

Mintewab Bezabih, Göteborg University

**USE OF CHOICE EXPERIMENTS IN THE DESIGN OF
BIODIVERSITY CONSERVATION POLICY**

Paula Horne, Finnish Forest Research Institute

**THE VALUE OF PRESERVING THE FOUR LARGE PREDATORS
IN SWEDEN: REGIONAL DIFFERENCES CONSIDERED**

Thomas Broberg,

Co-Author(s): Runar Brännlund, Department of Economics, Umeå
University

08:45 - 10:30

3L: COST-BENEFIT ANALYSIS I

Room E

Chairperson: Alan Krupnick, Resources for the Future

**A SWEDISH CBA ON ACIDIFICATION ABATEMENT -THE CAFE
BASELINE SCENARIO**

Mohammed Belhaj, IVL Swedish Environmental Research Institute
Ltd

Co-Author(s): Stefan Åström, IVL, Swedish Environmental
Research Institute Ltd. and Catarina Sternhufvud, IVL Swedish
Environmental Research Institute Ltd

**CONTINGENT VALUES AS IMPLICIT CONTRACTS –
ESTIMATING MINIMUM LEGAL WILLINGNESS TO PAY FOR
WILD CARNIVORES IN SWEDEN**

Göran Bostedt, Dept. of Forest Economics, SLU, Umeå

Co-Author(s): Göran Ericsson, Dept. of Animal Ecology, SLU,
Umeå and Jonas Kindberg, Dept. of Animal Ecology, SLU, Umeå

**ENVIRONMENTAL OBJECTIVES, COST EFFICIENCY, AND
MULTIVARIATE STOCHASTIC CONTROL**

Chuan-Zhong Li, Uppsala University

Co-Author(s): Budh Erika, The Swedish Environmental Protection
Agency

ARE DECISIONMAKERS AT HOME ON THE RANGE?

COMMUNICATING UNCERTAINTIES IN COST-BENEFIT ANALYSES

Alan Krupnick, Resources for the Future

Co-Author(s): Richard Morgenstern, Resources for the Future and Peter Nelson, Resources for the Future

08:45 - 10:30

3M: ENVIRONMENTAL KUZNETS CURVE: EMPIRICAL RESULTS I

Room 509

Chairperson: Ashar Aftab, University of Durham

DOES INTERNATIONAL TRADE AFFECT THE SHAPE OF THE EKC?

Anna Kukla-Gryz, Warsaw University

DETERMINANTS OF CO2 EMISSIONS IN OPEN ECONOMIES: TESTING THE ENVIRONMENTAL KUZNETS CURVE HYPOTHESIS (1970-2000)

Rui Mota, Environment and Energy Section - DEM - IST

Co-Author(s): João Dias, Department of Mathematics - ISEG

THE EKC FOR SO2: DOES FIRM SIZE MATTER

Tom Verbeke, Centre for Environmental Economics and Environmental Management

Co-Author(s): Marc De Clercq, and Bruno Merlevede,

ECONOMIC GROWTH, TRADE, AND THE ENVIRONMENT: AN ENDOGENOUS DETERMINATION OF MULTIPLE CROSS-COUNTRY REGIMES

Ashar Aftab, University of Durham

Co-Author(s): Giovanni Baiocchi, University of Durham

08:45 - 10:30

3N: AGRICULTURE I

Room 510

Chairperson: Mahmud Yesuf, Addis Ababa University

PREPARING FOR EXOTIC LIVESTOCK DISEASE OUTBREAKS: THE CASE OF A POTENTIAL FOOT-AND-MOUTH DISEASE OUTBREAK IN CALIFORNIA

Mimako Kobayashi, University of California, Davis

Co-Author(s): Tim Carpenter, School of Veterinary Medicine, University of California, Davis and Richard Howitt,

THE EFFECT OF FARM LABOR ORGANIZATION ON IPM ADOPTION: EMPIRICAL EVIDENCE FROM THAILAND

Justus Wesseler, Wageningen University

Co-Author(s): Volker Beckmann, Humboldt University and Evi Irawan, Humboldt University

EVALUATING THE IMPACT OF CAP REFORMS ON LAND USE AND THE ENVIRONMENT: A TWO-STEP ESTIMATION WITH MULTIPLE SELECTION RULES AND PANEL DATA

Alban Thomas, INRA-LERNA, University of Toulouse

Co-Author(s): Francois Bel, INRA Gael, University of Grenoble, Anne Lacroix, INRA, University of Grenoble and Francois Salanie, INRA-LERNA, University of Toulouse

FARMERS' CHOICE BETWEEN PUBLIC GOODS AND AGRICULTURAL EXTENSION PACKAGES IN ETHIOPIA: A STATED PREFERENCE ANALYSIS

Mahmud Yesuf, Addis Ababa University

Co-Author(s): Fredrik Carlsson, Department of Economics,
Göteborg University, Gunnar Kohlin, Department of Economics,
Göteborg University and Alemu Mekonnen, Addis Ababa University

08:45 - 10:30

3O: ALTRUISM AND ENVIRONMENTAL ETHICS

Room 554

Chairperson: Noboru Hidano, Tokyo Institute of
Technology

**ALTRUISTIC VALUES FOR DRINKING WATER QUALITY
IMPROVEMENTS**

Jing Zhang, University of Alberta

Co-Author(s): Vic Adamowicz, University of Alberta, Diane Dupont,
Brock University and Alan Krupnick, Resources for the Future

**DESIGNING AN INDICATOR OF ENVIRONMENTAL
RESPONSIBILITY**

João Rodrigues, Instituto Superior Técnico, SAE - DEM

Co-Author(s): Tiago Domingos, Instituto Superior Técnico, SAE -
DEM, Stefan Giljum, Sustainable Europe Research Institute and
François Schneider, Instituto Nacional de Engenharia e Tecnologia
Industrial

**IS INDIVIDUAL ENVIRONMENTAL CONSCIOUSNESS ONE OF
THE DETERMINANTS IN TRANSPORT MODE CHOICE?**

Junyi Shen, Osaka School of International Public Policy, Osaka
University

Co-Author(s): Yoshizo Hashimoto, Osaka School of International
Public Policy, Osaka University and Yusuke Sakata, School of
Economics, Kinki University

**THE EFFECTS OF WARM GLOW ON SCOPE SENSITIVITY AND
INCOME ELASTICITY IN CONTINGENT VALUATION SURVEY**

Noboru Hidano, Tokyo Institute of Technology and Shunichiro
Takeshita, Tokyo Institute of Technology

08:45 - 10:30

3P: POLITICAL ECONOMY

Room K

Chairperson: Geum-Soo Kim, Hoseo University

**ENVIRONMENTAL POLICY AS A POLITICALLY OPTIMAL
CHOICE FOR ELECTORAL COMPETITION**

Shinya Kawahara, University of British Columbia

**MORE OIL, LESS DEMOCRACY?: THEORY AND EVIDENCE
FROM CRUDE OIL DISCOVERIES**

Kevin Tsui, University of Chicago

**CORRUPTION AND THE ENVIRONMENTAL KUZNETS CURVE:
EMPIRICAL EVIDENCE FOR SULFUR**

Alexandra Leitão, Universidade Nova de Lisboa, Faculdade de
Economia

**THE POLITICAL ECONOMY OF AN INTERNATIONAL
ENVIRONMENTAL AGREEMENT**

Geum-Soo Kim, Hoseo University

10:30 - 11:00

COFFEE BREAK

11:00 - 12:30	PLENARY SESSION	
11:00 - 12:30	PLENARY 2: ECONOMETRICS OF THE DYNAMICS OF TROPICAL DEFORESTATION Chairperson: Anastasios Xepapadeas, University of Crete and President of EAERE	Room Main Hall
	ECONOMETRICS OF THE DYNAMICS OF TROPICAL DEFORESTATION Nobel Laureate Professor Sir Clive W.J. Granger, University of California - San Diego	
12:30 - 14:00	LUNCH	
12:30 - 14:00	EAERE GENERAL ASSEMBLY OF MEMBERS	
12:30 - 14:00	EAERE GENERAL ASSEMBLY OF MEMBERS Chairperson: Anastasios Xepapadeas, University of Crete and President of EAERE	Room D
14:00 - 15:45	PARALLEL SESSIONS 04	
14:00 - 15:45	SYMPOSIUM SESSION: 4A: INTERNATIONAL SOCIETY FOR ECOLOGICAL ECONOMICS I Chairperson: Charles Perrings , Arizona State University Organizer: Charles Perrings , Arizona State University	Room C-1
	"RETHINKING THE THEORY OF DISCOUNTING AND REVEALED TIME PREFERENCE" Richard Howarth, Dartmouth College THE CARROT OR THE BIG STICK? A GAME-THEORETIC APPROACH TO THE INTEGRATION OF ENVIRONMENTAL POLICY IN THE CARIBBEAN REGION Sonja Teelucksingh,	
14:00 - 15:45	SYMPOSIUM SESSION: 4B: NEW DEVELOPMENTS IN THE TRAVEL COST METHOD FOR NON-MARKET VALUATION: DEVELOPMENTS IN METHODOLOGY Chairperson: Michael Hanemann, University of California, Berkeley Organizer: Michael Hanemann, University of California, Berkeley, James Hilger, University of California,	Room C-2

AN EMPIRICAL INVESTIGATION OF ALTERNATIVE CONSIDERATION SET MODEL

D. Matthew Massey, US EPA

Co-Author(s): Roger H. von Haefen, North Carolina State University

A SPATIAL CONTINUOUS CHOICE MODEL WITH APPLICATION TO THE PUGET SOUND REGION

David Layton, University of Washington

THE KUHN-TUCKER CORNER SOLUTION MODEL WITH THE NON-ADDITIVE SEPARABLE PREFERENCES: AN APPLICATION TO RECREATION DEMAND

Koichi Kuriyama, Waseda University

Co-Author(s): Michael Hanemann, University of California, Berkeley

ON THE COMBINATION OF STATED AND REVEALED PREFERENCE IN NON-MARKET VALUATION: A FLEXIBLE MODELING APPROACH

Jorge E. Araña, University of Las Palmas de Gran Canaria

Co-Author(s): Carmelo J. Leon, University of Las Palmas de Gran Canaria

UTILITY CONSISTENT FRAMEWORKS TO MODEL CORNER SOLUTIONS WITH LARGE DEMAND SYSTEMS

Felipe Vasquez, University of California, Berkeley

Co-Author(s): Michael Hanemann, University of California, Berkeley

14:00 - 15:45

SYMPOSIUM SESSION: 4C: POLICIES' IMPACTS ON COSTA RICAN DEFORESTATION

Room F

Chairperson: Alexander Pfaff, Economics Department, Columbia University

Organizer: Alexander Pfaff, Economics Department, Columbia University

PAYMENTS FOR ENVIRONMENTAL SERVICES: EMPIRICAL ANALYSIS FOR COSTA RICA

Alexander Pfaff, Economics Department, Columbia University

Co-Author(s): Robalino Juan Andres, and Arturo Sanchez, University of Alberta

SPATIAL INTERACTIONS IN TROPICAL DEFORESTATION

Robalino Juan Andres,

Co-Author(s): Alexander Pfaff, Economics Department, Columbia University

EFFECTS OF PROTECTED AREAS ON NEIGHBORING FORESTS: AN EMPIRICAL ANALYSIS OF SPILLOVERS IN COSTA RICA

Robalino Juan Andres,

HOW EFFECTIVE ARE PROTECTED AREAS IN SLOWING LAND-USE CHANGE? AN ECONOMETRIC ASSESSMENT

Alexander Pfaff, Economics Department, Columbia University

Co-Author(s): Kwaw Andam, Georgia State University, Paul Ferraro, Georgia State University and Arturo Sanchez, University of

Alberta

14:00 - 15:45	4D: BIODIVERSITY II Chairperson: Jinhua Zhao, Iowa State University	Room G
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PRICES AND SPECIES DIVERSITY - STOCHASTIC EFFICIENCY MODELING

Johannes Sauer, Institute for Food and Resource Economics,
Royal Veterinary and Agricultural University Copenhagen

INTEGRATING BIRD FAUNA VALUES INTO DECISION-MAKING TO CONSERVE BIODIVERSITY ON FARMLAND

Antti Miettinen, MTT Agrifood Research Finland

Co-Author(s): Anni Huhtala, MTT Agrifood Research Finland

ESTIMATION OF BIODIVERSITY PRODUCTION COSTS.

Nilsson Fredrik, Swedish University of Agricultural Sciences

DOUBLE IRREVERSIBILITIES AND ENDOGENOUS LEARNING IN LAND CONVERSION DECISIONS

Jinhua Zhao, Iowa State University

14:00 - 15:45	4E: CGE MODELS I Chairperson: Yingna Huang, Research Center of Environmental Engineering and Management, Graduate school of Shenzhen, Tsinghua University	Room H
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MARGINAL ABATEMENT COST CURVES IN GENERAL EQUILIBRIUM: THE INFLUENCE OF WORLD MARKET PRICES

Gernot Klepper, Institut fuer Weltwirtschaft

Co-Author(s): Sonja Peterson,

THE ECONOMIC IMPACT OF RESTRICTED WATER SUPPLY: A COMPUTABLE GENERAL EQUILIBRIUM ANALYSIS

Katrin Rehdanz, Hamburg University and ZMAW

Co-Author(s): Maria Berrittella, University of Palermo, Arjen Y. Hoekstra, University of Twente, Roberto Roson, Ca" Foscari University, Venice and FEEM and Richard S.J. Tol, Hamburg University

CLIMATE CHANGE POLICY OF BIOENERGY: A CGE MODELING OF BIOENERGY'S SECTORAL AND LAND-USE INTERFACES

Rahimaisa Abdula, University of Gothenburg

QUANTITATIVE ANALYSIS ON THE EFFECTS OF THE IMPLEMENTATION OF ENERGY-ENVIRONMENT TAXES IN CHINA: AN APPLICATION OF CGE MODEL

Yingna Huang, Research Center of Environmental Engineering and Management, Graduate school of Shenzhen, Tsinghua University

14:00 - 15:45	4F: CLIMATE CHANGE I Chairperson: Ralf Steinhauser, UC Berkeley	Room B-2
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CLIMATE CHANGE, ENERGY DEMAND AND MARKET POWER IN A GENERAL EQUILIBRIUM MODEL OF THE WORLD ECONOMY

Roberto Roson, Ca" Foscari University, Venice and FEEM

Co-Author(s): Francesco Bosello, Fondazione ENI Enrico Mattei
and Richard S.J. Tol, Hamburg University

**NON-BINDING TARGETS FOR INTERNATIONAL EMISSIONS
TRADING UNDER UNCERTAINTY**

Frank Jotzo, Australian National University

Co-Author(s): Jack Pezzey, Australian National University

**IMPURE PUBLIC GOODS AND TECHNOLOGICAL
INTERDEPENDENCIES**

Dirk T.G. Rübbelke, Chemnitz University of Technology

Co-Author(s): Andreas Löschel, European Commission, DG Joint
Research Centre, Institute for Prospective Technological Studies
(IPTS)

**SNOOPING KUZNETS: WE JUST RAN A BILLION
REGRESSIONS FORECASTING US CO₂ EMISSIONS USING
STATE-LEVEL DATA**

Ralf Steinhauser, UC Berkeley

Co-Author(s): Maximilian Auffhammer, University of California,
Berkeley

14:00 - 15:45	4G: CONTINGENT VALUATION:	Room I
	METHODOLOGICAL ASPECTS II	
	Chairperson: Felix Schläpfer, University of Zurich	

**ANALYSIS AND INSIGHTS FROM INTERVAL OPEN-ENDED
DATA IN CONTINGENT VALUATION**

Cecilia Håkansson, Department of Forest Economics- SLU

**THE ROLE OF PARTICIPATION IN CVM SURVEY DESIGN:
EVIDENCE FROM A TAP WATER IMPROVEMENT PROGRAM IN
NORTHERN THAILAND**

Michael Ahlheim, University of Hohenheim

Co-Author(s): Oliver Froer, University of Hohenheim and Nopasom
Sinphurmsukskul, Chiang Mai University

**HOUSEHOLD VERSUS INDIVIDUAL VALUATION: WHAT'S THE
DIFFERENCE?**

Alistair Munro, Royal Holloway University of London

Co-Author(s): Ian J. Bateman, University of East Anglia

**THEORETICAL INCENTIVE PROPERTIES OF CONTINGENT
VALUATION QUESTIONS: DO THEY MATTER IN THE FIELD?**

Felix Schläpfer, University of Zurich

Co-Author(s): Ingo Bräuer, UFZ Center for Environmental
Research, Leipzig-Halle

14:00 - 15:45	4H: EXPERIMENTS IN ENVIRONMENTAL ECONOMICS II	Room J
	Chairperson: Javier Calatrava-Requena, Head of Department of Agricultural Economics	

**WARM GLOW OR HELPING HAND?: THE ROLE OF INCENTIVE
COMPATIBILITY IN VOLUNTARY CONTRIBUTIONS**

Koji Kotani, Yokohama National University

Co-Author(s): Kent Messer, Cornell University and William Schulze,
Cornell University

**THE STATUS QUO OPTION IN CHOICE EXPERIMENT:
EVIDENCE FROM FOREST MANAGEMENT**

Alain Carpentier, INRA

Co-Author(s): Francois Bonnieux, INRA

**BAYESIAN BENEFIT TRANSFERS FOR CHOICE EXPERIMENT
DATA**

Javier Calatrava-Requena, Head of Department of Agricultural
Economics

Co-Author(s): Sergio Colombo, Andalusian Institute of Agricultural
Economics, Nick Hanley, University of Stirling and Ulrike Lehr,
Institute of technical thermodynamics

14:00 - 15:45

4I: NON-TIMBER FOREST PRODUCTS I

Room 509

Chairperson: Claudio O. Delang, Centre for Southeast
Asian Studies, Kyoto University

**CYCLONE RELIEF AND NATURAL RESOURCE USE AS A
SAFETY NET IN FIJI**

Yoshito Takasaki, University of Tsukuba

**BIODIVERSITY POLICIES IN COMMERCIAL BOREAL
FORESTS: OPTIMAL DESIGN OF SUBSIDY AND TAX
COMBINATIONS**

Markku Ollikainen, University of Helsinki

**FUELWOOD, FORESTS AND COMMUNITY MANAGEMENT –
EVIDENCE FROM HOUSEHOLD STUDIES**

Priscilla Cooke St. Clair, Pacific Lutheran University

Co-Author(s): William F. Hyde, Göteborg University and Gunnar
Kohlin, Department of Economics, Göteborg University

**THE ECONOMIC EVALUATION OF NON-MARKETED
NON-TIMBER FOREST PRODUCTS: A CASE STUDY OF THE
PWO KAREN IN THAILAND**

Claudio O. Delang, Centre for Southeast Asian Studies, Kyoto
University

14:00 - 15:45

4J: URBAN ENVIRONMENTAL PROBLEMS

Room 501

Chairperson: Craig Bullock, University College Dublin

POLLUTION AND GROWTH IN MEGACITIES

Martin F. Quaas, UFZ - Center for Environmental Research
Leipzig-Halle

**SUSTAINABILITY OF URBAN SPRAWL:
ENVIRONMENTAL-ECONOMIC INDICATORS FOR THE
ASSESSMENT OF MOBILITY IN ITALY**

Chiara Maria Traversi, POLITECNICO DI MILANO, Fondazione Eni
Enrico Mattei

Co-Author(s): Roberto Camagni, Politecnico di Milano and Peter
Nijkamp, Free University of Amsterdam

**FUEL TAX IMPACTS TO REDUCE URBAN AIR POLLUTION IN
THE DEVELOPING COUNTRY**

Lei Yang, Graduate School for International Development and
Cooperation, Hiroshima University

THE ROLE AND USE OF URBAN OPEN SPACE:

HYPOTHETICAL ALTERNATIVES AND THE STATUS-QUO

Craig Bullock, University College Dublin

14:00 - 15:45

4K: SUSTAINABLE DEVELOPMENT I

Room B-1

Chairperson: Craig Bond, Colorado State University

SUSTAINABLE DEVELOPMENT: CONCEPTUALIZATIONS AND MEASUREMENT

Charles Mueller, Department of Economics, Un. of Brasilia

INVARIANCE IN GROWTH THEORY AND SUSTAINABLE DEVELOPMENT

Vincent Martinet, IFREMER

Co-Author(s): Gilles Rotillon, Université Paris X Nanterre

CIRCULAR ECONOMY: A NEW DEVELOPMENT STRATEGY FOR SUSTAINABLE DEVELOPMENT IN CHINA

Lei Shi, State Key Laboratory of Pollution Control and Resource Reuse, School of Environment, Nanjing University

Co-Author(s): Jun BI, Nanjing University and Lu XING, State Key Laboratory of Pollution Control and Resource Reuse, School of Environment, Nanjing University

EFFICIENCY AND EQUITY: SUSTAINABILITY TRADEOFFS IN AN AGROECOSYSTEM MODEL

Craig Bond, Colorado State University

14:00 - 15:45

4L: STRATEGIC TRADE AND ENVIRONMENTAL POLICIES

Room 553

Chairperson: Shuichi Ohori, Kyoto Institute of Economic Research, Kyoto University

STRATEGIC CLIMATE POLICY FOR SMALL, OPEN ECONOMIES

Mads Greaker, Research Department Statistics Norway

Co-Author(s): Knut Einar Rosendahl, Statistics Norway

TRADE, STRATEGIC ENVIRONMENTAL POLICY, AND GLOBAL POLLUTION

Akihiko Yanase, Takasaki City University of Economics

STRATEGIC ENVIRONMENTAL AND TRADE POLICIES WITH CORPORATE ENVIRONMENTALISM

Naoto Jinji, Okayama University

ENVIRONMENTAL TAX AND TRADE LIBERALIZATION IN A MIXED DUOPOLY

Shuichi Ohori, Kyoto Institute of Economic Research, Kyoto University

14:00 - 15:45

4M: TRADABLE PERMITS II

Room E

Chairperson: Eirik S. Amundsen, Department of economics, University of Bergen and The Royal Veterinary and Agricultural University

DO EMISSION PERMITS MARKETS' ORIGINAL ADVANTAGES STILL HOLD?

Maria Fernandes, Escola Superior de Tecnologia e Gestão,

Instituto Politecnico de Leiria

Co-Author(s): Anabela Botelho, Universidade do Minho and Lúcia Pinto, Universidade do Minho

VERIFICATION OF FIRM DATA IN EMISSIONS TRADING SCHEMES UNDER ALTERNATIVE PENALTIES FOR OVERSTATEMENTS

Frauke Eckermann, University of Dortmund

THE AIR POLLUTION EMISSION RIGHTS MARKET IN THE EU AND MORAL HAZARD

Francisco Alvarez,

Co-Author(s): Ester Camina, Universidad Complutense de Madrid

PRICE VOLATILITY AND BANKING IN GREEN CERTIFICATE MARKETS

Eirik S. Amundsen, Department of economics, University of Bergen and The Royal Veterinary and Agricultural University

Co-Author(s): Fridrik M. Baldursson, University of Iceland and Jørgen Birk Mortensen, Department of Economics, University of Copenhagen

14:00 - 15:45

4N: WASTE MANAGEMENT AND RECYCLING I (KYOTO UNIVERSITY COE SESSION)

Room D

Chairperson: Elisabetta Strazzera, DRES, University of Cagliari

A RELATIVE NATURE OF GOODS AND BADS IN TRANSACTION OF WASTE MATERIAL

Eiji Hosoda, Keio University

AN ECONOMIC ANALYSIS OF MIXING WASTES

Herman Vollebergh, Tinbergen Institute and Erasmus University Rotterdam

Co-Author(s): Rob Aalbers, SEO

AN INCOMPLETE DECISION HIERARCHY APPLICATION TO AN ENVIRONMENTAL POLICY-MAKING PROCESS

Chun-hsu Lin, Chung-hua Institute for Economic Research

APPLYING THE ML HAUSMAN APPROACH TO THE DEMAND OF WATER FOR RESIDENTIAL USE: HETEROGENEITY VS TWO-ERROR MODEL

Elisabetta Strazzera, DRES, University of Cagliari

14:00 - 15:45

4O: THEORETICAL ASPECTS OF ENVIRONMENTAL REGULATION

Room 510

Chairperson: Irina Glazyrina, Institute of Natural Resources of the Russian Academy of Sciences and Past President of the Russian Society of Ecological Economics

ON PRECAUTIONARY POLICIES

Bernard Sinclair-Desgagné, HEC Montréal

Co-Author(s): Barrieu Pauline, London School of Economics

ENVIRONMENTAL TAXATION WITH ENDOGENOUS CHOICE OF ENVIRONMENTAL QUALITY

Eftichios Sartzetakis, University of Macedonia

Co-Author(s): Christos Constantatos, University of Macedonia and Christos Pargianas, Brown University

DESIGNING AND IMPLEMENTING REGULATORY POLICIES FOR COMPLEX EXTERNALITIES: THE CASE OF AGRICULTURAL POLLUTION

Ashar Aftab, University of Durham

NEW APPROACH TO THE POLLUTER PAYS PRINCIPLE IMPLEMENTATION

Irina Glazyrina, Institute of Natural Resources of the Russian Academy of Sciences and Past President of the Russian Society of Ecological Economics

14:00 - 15:45

4P: GAME THEORY AND THE ENVIRONMENT I

Room 554

Chairperson: Philippe Bontems, University of Toulouse (INRA and IDEI)

AN INFINITE-HORIZON MODEL OF DYNAMIC MEMBERSHIP OF INTERNATIONAL ENVIRONMENTAL AGREEMENTS

Alistair Ulph, University of Manchester

Co-Author(s): Santiago Rubio, university of valencia

ENVIRONMENTAL REGULATION AS A COORDINATION DEVICE FOR THE INTRODUCTION OF A GREEN PRODUCT: THE PORTER'S HYPOTHESIS REVISITED.

Christos Constantatos, University of Macedonia

Co-Author(s): Philippe Barla, Dépt.d'économie and GREEN, Université Laval and Markus Herrmann, Université de Montréal

THE ECONOMICS OF TERRITORIAL USE RIGHTS REGULATIONS: A GAME THEORETIC APPROACH

Mauricio Villena, School of Business, Adolfo Ibáñez University, Chile

Co-Author(s): Carlos Chavez, Department of Economics, Concepcion University, Chile.

OPTIMAL CONCESSION OF WATER SERVICES UNDER COMMON VALUE

Philippe Bontems, University of Toulouse (INRA and IDEI)

Co-Author(s): Cécile Aubert, Université de Paris IX Dauphine and Francois Salanie, INRA-LERNA, University of Toulouse

14:00 - 15:45

4Q: IMPERFECT COMPETITION

Room K

Chairperson: C.-Y. Cynthia Lin, Department of Economics, Harvard University

PRODUCT DIFFERENTIATION IN THE PRESENCE OF ENVIRONMENTAL CONCERN, NETWORK EFFECTS AND COMPATIBILITY: THE AUTOMOBILE MARKET

Klaus Conrad, University of Mannheim

REGULATORY DECISIONS IN MARKET-BASED ENVIRONMENTAL POLICIES WHEN MARKET POWER IS PRESENT

Dafna M. DiSegni Eshel, Tel Aviv University, Israel

Co-Author(s): SEXTON RICHARD, University of California, Davis

DO FIRMS INTERACT STRATEGICALLY?: AN EMPIRICAL

ANALYSIS OF INVESTMENT TIMING DECISIONS IN OFFSHORE PETROLEUM PRODUCTION

C.-Y. Cynthia Lin, Department of Economics, Harvard University

15:45 - 16:15

COFFEE BREAK

16:15 - 18:00

PARALLEL SESSIONS 05

16:15 - 18:00

SYMPOSIUM SESSION: 5A: INTERNATIONAL SOCIETY FOR ECOLOGICAL ECONOMICS II

Room B-2

Chairperson: Charles Perrings , Arizona State University

Organizer: Charles Perrings , Arizona State University

A MODEL OF BIODIVERSITY AND PRODUCTIVITY IN INTENSIVE AGRICULTURE

Unai Pascual, University of Cambridge - Land Economy Department

Co-Author(s): Amani Omer, University of Manchester and Noel Russell, School of Economic Studies - University of Manchester

THE PRIVATE AND PUBLIC INSURANCE VALUE OF CONSERVATIVE BIODIVERSITY MANAGEMENT

Stefan Baumgärtner, University of Heidelberg

Co-Author(s): Martin F. Quaas, UFZ - Center for Environmental Research Leipzig-Halle

RESILIENCE, DIVERSITY AND THE SUSTAINABILITY OF ECONOMIC DEVELOPMENT

Charles Perrings , Arizona State University

16:15 - 18:00

SYMPOSIUM SESSION: 5B: NEW DEVELOPMENTS IN THE TRAVEL COST METHOD FOR NON-MARKET VALUATION: NEW EMPIRICAL FINDINGS

Room C-2

Chairperson: Michael Hanemann, University of California, Berkeley

Organizer: Michael Hanemann, University of California, Berkeley, James Hilger, University of California, Berkeley and Koichi Kuriyama, Waseda University

ALCOHOL CONSUMPTION: BALANCING FUN AND DANGER WHILE DRIVING OFF HIGHWAY VEHICLES

Jeffrey Englin, University of Nevada

Co-Author(s): Juan Marcos Gonzalez-Sepulveda, Colorado State University and Thomas Holmes, US Forest Service

HETEROGENEOUS PREFERENCES FOR WATER QUALITY: A FINITE MIXTURE MODEL OF BEACH RECREATION IN SOUTHERN CALIFORNIA

Michael Hanemann, University of California, Berkeley and James Hilger, University of California, Berkeley

DISTRIBUTIONAL CONSEQUENCES OF FEES IN A DISCRETE

CHOICE MODEL OF RECREATION DEMAND WITH INCOMPLETE DATA: AN APPLICATION TO MODE-SPECIFIC FISHING

Kim Hwa Nyeon, Texas A&M University

Co-Author(s): Wade L. Griffin, Texas A&M University, W. Douglass Shaw, Texas A&M and Richard Woodward, Dept. of Ag. Economics, Texas A&M Univ.

AGGREGATION BIAS IN WELFARE CALCULATION WITH DISCRETE CHOICE MODELS: THE FALLACY OF THE REPRESENTATIVE INDIVIDUAL

Craig Mohn, Cascade Econometrics

Co-Author(s): Michael Hanemann, University of California, Berkeley and Linwood Pendleton, University of California Los Angeles

THE DISTRIBUTIONAL IMPACTS OF RECREATIONAL FEES: A DISCRETE CHOICE MODEL WITH INCOMPLETE DATA

Richard Woodward, Dept. of Ag. Economics, Texas A&M Univ.

Co-Author(s): Hwa Nyeon Kim, Texas A&M University and W. Douglass Shaw, Texas A&M

16:15 - 18:00

5C: ECONOMIC HISTORY

Room D

Chairperson: David Good, Indiana University -
Bloomington

PRECIOUS METALS: INSTITUTIONAL EXPLANATIONS OF ECONOMIC DEVELOPMENT

Elissaios Papyrakis, Institute for Environmental Studies, Vrije Universiteit Amsterdam and School of Economics and Finance, St Andrews

Co-Author(s): Reyer Gerlagh, Institute for Environmental Studies, Vrije Universiteit Amsterdam

LONG RUN TRENDS IN ENERGY SERVICES, 1300-2000

Roger Fouquet, University of the South Pacific

Co-Author(s): Peter J.G. Pearson, Imperial College London

MATERIAL STOCK AND WASTE GENERATION BY HUMAN ACTIVITIES OVER THE PAST 100 YEARS

Reina Kawase, Kyoto University

Co-Author(s): Yuzuru Matsuoka, Kyoto University and Toru Murase, Kyoto University

CIVILIZATIONS AND OPTIMAL SOCIAL COLLAPSE

David Good, Indiana University - Bloomington

Co-Author(s): Rafael Reuveny, Indiana University

16:15 - 18:00

5D: ENERGY AND EFFICIENCY

Room F

Chairperson: Klaus Conrad, University of Mannheim

MEASURING TECHNICAL AND ENVIRONMENTAL EFFICIENCY OF THERMAL POWER GENERATION IN INDIA: AN APPLICATION OF DIRECTIONAL DISTANCE FUNCTION

Kishore Kumar Dhavala, Institute of Economic Growth

Co-Author(s): Surender Kumar, TERI School of Advanced Studies and Murty M N, Institute of Economic Growth

DETERMINANTS OF ENVIRONMENTAL EFFICIENCY:

**ENVIRONMENTAL MANAGEMENT CAPACITY AND
OPERATIONAL CHARACTERISTICS IN CHINA FS
ELECTRICITY INDUSTRY**

Katsuya Tanaka, Hiroshima University

Co-Author(s): Chazhong Ge, Chinese Academy for Environmental
Planning, Shunji Matsuoka, Hiroshima University and Manami
Suga, Hiroshima University

**RESOURCE USE EFFICIENCY OF US ELECTRICITY
GENERATING PLANTS DURING THE SO₂ TRADING REGIME:
A DISTANCE FUNCTION APPROACH**

Surender Kumar, TERI School of Advanced Studies

Co-Author(s): Shreekanth Gupta, Delhi School of Economics

**THE OPTIMAL PATH OF ENERGY AND CO₂ TAXES FOR
INTERTEMPORAL RESOURCE ALLOCATION AND IMPROVED
ENERGY EFFICIENCY**

Klaus Conrad, University of Mannheim

16:15 - 18:00

5E: INNOVATION I

Room G

Chairperson: Frank C. Krysiak, Technische Universität
Berlin

**DETERMINANTS OF ENVIRONMENTAL INNOVATION – NEW
EVIDENCE FROM GERMAN PANEL DATA SOURCES**

Jens Horbach, University of Applied Sciences Anhalt

**ENVIRONMENTAL INNOVATION AND THE COST OF
POLLUTION ABATEMENT**

Thierry Bréchet, CORE - UCL

Co-Author(s): Pierre-André Jouvét, EconomiX and CORE

**INTEGRATED PRODUCT POLICY AND ENVIRONMENTAL
PRODUCT INNOVATIONS: AN EMPIRICAL ANALYSIS**

Klaus Rennings, Centre for European Economic Research (ZEW)

Co-Author(s): Katharina-Maria Rehfeld, Delegation of German
Industry & Commerce Shanghai and Andreas Ziegler, Centre for
European Economic Research GmbH (ZEW)

**PRICES VS. QUANTITIES: THE LONG-RUN EFFECTS ON
TECHNOLOGY CHOICE**

Frank C. Krysiak, Technische Universität Berlin

16:15 - 18:00

5F: INVASIVE SPECIES

Room H

Chairperson: Sittidaj Pongkijvorasin, University of
Hawaii

**AN ANALYSIS OF ECONOMIC COST MINIMIZATION AND
BIOLOGICAL INVASION DAMAGE CONTROL USING THE AWQ
CRITERION**

Amit Batabyal, Rochester Institute of Technology

Co-Author(s): Gregory DeAngelo, University of California at Santa
Barbara and Seshavadhani Kumar, Rochester Institute of
Technology

**ON THE ECONOMICS OF INVASIVE PLANT: THE CASE OF
CALIFORNIAN THISTLE IN NEW ZEALAND.**

Morteza Chalak, Environmental Economics and Natural
Resources, Wageningen University

Co-Author(s): Graeme Bourdot, Lincoln ag-research centre,
Leathwick Dave, Agresearch and Ekko van Ierland, Environmental
Economics and Natural Resources, Wageningen University

**SEARCHING UNDER THE LAMPPOST: OPTIMAL
INTERDICTION AND REMOVAL OF THE INVASIVE SPECIES
BROWN TREESNAKE IN HAWAII**

Sean D'Evelyn, University of Hawaii at Manoa

Co-Author(s): Kimberly Burnett, University of Hawaii, Brooks
Kaiser, Gettysburg College, Porntawee Nantamanasikarn,
University of Hawaii at Manoa and Jim Roumasset, University of
Hawaii at Manoa

**TERRORISM AND THE ECONOMICS OF BIOLOGICAL
INVASIONS**

Sittidaj Pongkijvorasin, University of Hawaii

Co-Author(s): Lee Endress, Asia-Pacific Center for Security
Studies

16:15 - 18:00

5G: RECREATIONAL ACTIVITIES I

Room K

Chairperson: Stephen Hynes, Rural Economy
Research Centre, Teagasc

**THE RECREATIONAL VALUE OF FORESTS IN A TRANSITION
ECONOMY**

Anna Bartczak, Warsaw University

Co-Author(s): Tomas Zylicz, University of Warsaw

**STRUCTURAL VERSUS REDUCED FORM MODELS FOR
VALUING WATER QUALITY CHANGES IN A COASTAL
RECREATIONAL FISHERY**

Steve Newbold, US EPA

Co-Author(s): D. Matthew Massey, US EPA

**LATENT CLASS COUNT MODELS OF TOTAL VISITATION
DEMAND: DAYS OUT IN THE EASTERN ALPS**

Mara Thiene, Dept. Territorio e Sistemi Agroforestali

Co-Author(s): Riccardo Scarpa, Waikato Management School and
Tiziano Tempesta, Dep. TESAF

**USING CONTINUOUS AND FINITE MIXTURE MODELS TO
ACCOUNT FOR PREFERENCE HETEROGENEITY IN
WHITEWATER KAYAKING**

Stephen Hynes, Rural Economy Research Centre, Teagasc

Co-Author(s): Nick Hanley, University of Stirling and Cathal
O'Donoghue, RERC, Teagasc

16:15 - 18:00

5H: SUSTAINABLE DEVELOPMENT II

Room E

Chairperson: Edward Barbier, University of Wyoming

**SUBSTITUTABILITY OF RESOURCE USE IN PRODUCTION
AND CONSUMPTION**

Yoko Nagase, Lawrence University

Co-Author(s): Tasneem Mirza, Purdue University

**VALUING ECOLOGICAL RESILIENCE: IMPLICATIONS FOR
WELFARE, WEALTH AND SUSTAINABLE DEVELOPMENT**

Michael Harris, University of Sydney

**USING DATA ENVELOPMENT ANALYSIS TO ASSESS THE
RELATIVE EFFICIENCY OF DIFFERENT CLIMATE POLICY
SCENARIOS**

Barbara Buchner, Fondazione Eni Enrico Mattei

Co-Author(s): Valentina Bosetti, FEEM

FRONTIERS AND SUSTAINABLE ECONOMIC DEVELOPMENT

Edward Barbier, University of Wyoming

16:15 - 18:00

5I: RENEWABLE RESOURCES

Room I

Chairperson: Tomoki Fujii, Singapore Management
University

**FOREST MANAGEMENT: WHEN IS IT DESIRABLE TO HAVE
DOUBLE ROTATIONS?**

Pierre Lasserre, Universite du Quebec a Montreal

**MULTIPLICITY OF STOCKS AND OPTIMAL USE OF A FOREST
RESOURCE**

Chander Shahi, University of Toronto

Co-Author(s): Shashi Kant, University of Toronto

**OPTIMAL MANAGEMENT OF A RENEWABLE ENERGY
SOURCE UNDER UNCERTAINTY**

Catherine Bobtcheff, University of Toulouse I, LERNA, CEA

**NUMERICAL ANALYSIS OF NON-CONSTANT DISCOUNTING
WITH AN APPLICATION TO RENEWABLE RESOURCE
MANAGEMENT**

Tomoki Fujii, Singapore Management University

Co-Author(s): Larry Karp, University of California at Berkeley

16:15 - 18:00

5J: THE FIRM AND THE ENVIRONMENT II

Room J

Chairperson: Catarina Sternhufvud, IVL Swedish
Environmental Research Institute Ltd

**CAN POLLUTION CONTROL FROM SMALL SCALE UNITS BE
CONTROLLED?**

Haripriya Gundimeda, Associate Professor, Madras School of
Economics

Co-Author(s): Vinish Kathuria, Associate Professor

**STRIVING TO BE GREEN: THE ADOPTION OF TOTAL QUALITY
ENVIRONMENTAL MANAGEMENT**

Donna Theresa Ramirez Harrington, University of Guelph

Co-Author(s): George Deltas, University of Illinois and Madhu
Khanna, University of Illinois at Urbana-Champaign

**THE IMPORTANCE OF NON-TECHNICAL MEASURES FOR
EMISSION ABATEMENT, A META-REGRESSION ANALYSIS**

Catarina Sternhufvud, IVL Swedish Environmental Research
Institute Ltd

Co-Author(s): Stefan Åström, IVL, Swedish Environmental
Research Institute Ltd. and Mohammed Belhaj, IVL Swedish
Environmental Research Institute Ltd

16:15 - 18:00

5K: VALUATION: STATED PREFERENCES

Room 501

Chairperson: Jorge E. Araña, University of Las Palmas
de Gran Canaria

A COMPARISON OF THE COMPLEXITY OF CONTINGENT GROUPING AND CONTINGENT RANKING

Raul Brey, Pablo de Olavide University

Co-Author(s): Pere Riera, Department of Applied Economics, Autonomous University of Barcelona, E-08193 Bellaterra, Spain.

COMBINING REVEALED AND STATED PREFERENCE METHODS TO ASSESS THE PRIVATE VALUE OF AGROBIODIVERSITY IN HUNGARIAN HOME GARDENS

Ekin Birol, University of Cambridge

Co-Author(s): Andreas Kontoleon, Department of Land Economy, University of Cambridge and Melinda Smale,

PROTECTING THE ENVIRONMENT FOR THE SAKE OF PROTECTING THE ENVIRONMENT: EVIDENCE OF EXISTENCE VALUE FROM THE RIBEIRINHO COMMUNITIES OF AMAZONAS, BRAZIL

James Kahn, Washington and Lee University and Universidade Federal do Amazonas

SCALE PERCEPTION IN THE VALUATION OF ENVIRONMENTAL RISKS AND PROBABILITY NEGLECT

Jorge E. Araña, University of Las Palmas de Gran Canaria

Co-Author(s): Carmelo J. Leon, University of Las Palmas de Gran Canaria

16:15 - 18:00

5L: FORESTRY IN INDUSTRIALISED COUNTRIES

Room 510

Chairperson: SERGE GARCIA, INRA - Laboratory of Forest Economics

CAN HYBRID POPLAR SAVE INDUSTRIAL FORESTRY IN CANADA'S BOREAL FOREST?: A FINANCIAL ANALYSIS AND POLICY CONSIDERATIONS

Jay Anderson, University of Alberta

Co-Author(s): Martin Luckert, University of Alberta

COMPENSATION CLAIMS IN VOLUNTARY FOREST CONSERVATION: A CASE OF PRIVATE OWNED FORESTS IN FINLAND

Erkki Mäntymaa, Department of Economics, University of Oulu

Co-Author(s): Artti Juutinen, Department of Economics, University of Oulu, Mikko Mönkkönen, Department of Biological and Environmental Science, University of Jyväskylä and Rauli Svento, Department of Economics, University of Oulu

HOW TIMBER HARVESTING AND BIODIVERSITY ARE MANAGED IN UNEVEN-AGED FORESTS? A CLUSTER-SAMPLE ECONOMETRIC APPROACH

SERGE GARCIA, INRA - Laboratory of Forest Economics

Co-Author(s): Max Bruciamacchie, ENGREF - Laboratory Forest Economics and Anne STENGER, INRA Laboratory Forest Economics

16:15 - 18:00

5M: ENVIRONMENTAL KUZNETS CURVE: ADVANCED EMPIRICAL APPROACHES

Room 509

Chairperson: Marzio Galeotti, University of Milan

IDENTIFYING REDUCED FORM RELATIONS WITH PANEL DATA: THE CASE OF AN EKC FOR CO₂

Herman Vollebergh, Tinbergen Institute and Erasmus University Rotterdam

Co-Author(s): Elbert Dijkgraaf, Tinbergen Institute and Bertrand Melenberg, Tilburg University CentER

DOES EKC EXIST IN THE YANGTZE RIVER DELTA? -A CASE STUDY WITH UNIT ROOT AND COINTEGRATION TESTS

Lu XING, State Key Laboratory of Pollution Control and Resource Reuse, School of Environment, Nanjing University

Co-Author(s): Jun BI, Nanjing University and Lei Shi, State Key Laboratory of Pollution Control and Resource Reuse, School of Environment, Nanjing University

THE RELATIONSHIP BETWEEN GROWTH AND ENVIRONMENT: SHOULD WE BE LOOKING FOR TURNING OR BREAK POINTS?

Giovanni Baiocchi, University of Durham

ON THE ROBUSTNESS OF ROBUSTNESS CHECKS OF THE ENVIRONMENTAL KUZNETS CURVE

Marzio Galeotti, University of Milan

Co-Author(s): Alessandro Lanza, FEEM and Matteo Manera, University of Milan-Bicocca

16:15 - 18:00

5N: RIVER MANAGEMENT

Room 553

Chairperson: Anna Heaney, Australian Bureau of Agricultural and Resource Economics

COST EFFECTIVENESS IN RIVER MANAGEMENT: EVALUATION OF INTEGRATED RIVER POLICY SYSTEM IN TIDAL OUSE

Tao Wang, Environment Dept, the University of York

THE ECONOMIC VALUE OF WATER IN THE GANGES-BRAHMAPUTRA-MEGHNA RIVER BASIN

Nasima Chowdhury, Department of Economics, Gothenburg University, Gothenburg, Sweden

GLOBAL CHANGE AND THE EFFECTS ON INDUSTRIAL WATER USE IN THE CATCHMENT AREA OF THE UPPER DANUBE

Matthias Egerer, ifo Institute for Economic Research and Markus Zimmer, ifo Institute for Economic Research

FLOW OBJECTIVES, UNCERTAINTY AND ENVIRONMENTAL WATER DEMANDS: A PLANNING FRAMEWORK

Anna Heaney, Australian Bureau of Agricultural and Resource Economics

Co-Author(s): Stephen BEARE, Australian Bureau of Agricultural and Resource Economics

16:15 - 18:00

5O: KYOTO AND BEYOND

Room B-1

Chairperson: Andreas Lange, University of Maryland

WHY THE CDM WILL REDUCE CARBON LEAKAGE

Steffen Kallbekken, CICERO - Center for International Climate and Environmental Research - Oslo

Co-Author(s): Line Sunniva Flottorp, CICERO and Nathan Rive, CICERO

HOT AIR FOR SALE: A QUANTITATIVE ASSESSMENT OF RUSSIA'S NEAR-TERM CLIMATE POLICY OPTIONS

Ulf Moslener, ZEW, Centre for European Economic Research

Co-Author(s): Christoph Böhringer, Centre for European Economic Research and Bodo Sturm, Centre for European Economic Research (ZEW)

GLOBAL CLIMATE POLICY IN A POST-KYOTO WORLD

Georg Muller-Furstenberger, Applied Microeconomics, Bern University

Co-Author(s): Gunter Stephan, Applied Microeconomics, Bern University

ON THE IMPORTANCE OF EQUITY IN INTERNATIONAL CLIMATE POLICY: AN EMPIRICAL ANALYSIS

Andreas Lange, University of Maryland

Co-Author(s): Vogt Carsten, Centre for European Economic Research (ZEW) Mannheim and University of Applied Sciences Leipzig and Andreas Ziegler, Centre for European Economic Research (ZEW)

16:15 - 18:00

5P: SOCIAL NORMS AND SOCIAL RESPONSIBILITY I

Room 554

Chairperson: César Marcelo Viteri Mejia, Mentefactura

ON SOCIAL SANCTIONS AND BELIEFS: A POLLUTION NORM EXAMPLE

Jorge Garcia, University of Gothenburg

WELFARE IMPLICATIONS OF PEER PUNISHMENT IN UNEQUAL SOCIETIES

Martine Visser, Department of Economics, Gothenburg University

ALL THAT IS NOT GIVEN IS LOST: SOCIAL BENEFITS IN THE COMMONS

Nuria Oses-Eraso, Universidad Publica de Navarra

Co-Author(s): Montserrat Viladrich-Grau, Universitat de Lleida

LEGITIMACY, LOCAL PARTICIPATION, AND COMPLIANCE IN THE GALAPAGOS MARINE RESERVE

César Marcelo Viteri Mejia, Mentefactura

Co-Author(s): Carlos Chavez, Department of Economics, Concepcion University, Chile.

16:15 - 18:00

5Q: ECONOMIC GROWTH AND THE ENVIRONMENT I

Room C-1

Chairperson: Thomas Lontzek, University of Kiel

NOTES ON ENVIRONMENTAL REGULATION AND GROWTH

Anil Markandya, University of Bath

Co-Author(s): Alexander Golub, Environmental Defense

SAVINGS GROWTH AND THE PATH OF UTILITY

Kirk Hamilton,

Co-Author(s): Cees Withagen, Department of Economics, University of Tilburg and CENTER, Tilburg

ENVIRONMENT, HUMAN DEVELOPMENT AND ECONOMIC GROWTH

Valeria Costantini, Department of Economics, University of Roma Tre

Co-Author(s): Salvatore Monni, Department of Economics, University of Roma Tre

GROWTH WITH HETEROGENEOUS CAPITAL FOR POLLUTING AND NON-POLLUTING TECHNOLOGIES

Thomas Lontzek, University of Kiel

Co-Author(s): Till Requate, University of Kiel

18:30 - 20:30

GALA DINNER

18:30 - 20:30

GALA DINNER

Chairperson:

Room Swan and
Garden

THURSDAY 6 JULY 2006

08:45 - 10:30

PARALLEL SESSIONS 06

08:45 - 10:30

SYMPOSIUM SESSION: 6A: BIODIVERSITY: BIOECON NETWORK

Room C-1

Chairperson: PAULO NUNES, FEEM and CA
FOSCARI UNIVERSITY OF VENICE

Organizer: PAULO NUNES, FEEM and CA FOSCARI
UNIVERSITY OF VENICE

ECONOMIC VALUATION OF BIODIVERSITY: A COMPARATIVE STUDY

PAULO NUNES, FEEM and CA FOSCARI UNIVERSITY OF
VENICE

Co-Author(s): Peter Nijkamp, Free University of Amsterdam and
Gabriella Vindigni, University Of Catania

VALUING ANIMAL GENETIC RESOURCES: A CASE STUDY OF CATTLE IN KENYA USING CHOICE EXPERIMENTS

Eric Ruto, University of Newcastle

Co-Author(s): Guy Garrod, University of Newcastle and Riccardo
Scarpa, University of Waikato, Economics Dpt

USING A CHOICE EXPERIMENT TO VALUE ECONOMIC BENEFITS OF WETLANDS: THE CASE OF CHEIMADITIDA WETLAND IN GREECE

Ekin Birol, University of Cambridge

Co-Author(s): Katia Karousakis, University College London and
Phoebe Koundouri, Athens University of Economics and Business

AGRICULTURE PRODUCTION VERSUS BIODIVERSITY PROTECTION: WHAT ROLE FOR NORTH-SOUTH UNCONDITIONAL TRANSFERS?

Figuières Charles ,

Co-Author(s): Thoyer Sophie, ENSAM LAMETA and Aulong
Stephanie,

COUNTING THE COST OF VULTURE DECLINES – ECONOMIC APPRAISAL OF THE BENEFITS OF THE GYPS VULTURE IN INDIA

Tim Taylor, University of Bath

Co-Author(s): Kishore Kumar Dhavala, Institute of Economic
Growth, Alberto Longo, Queen's University Belfast and University
of Bath, Anil Markandya, University of Bath, Sucheta Murty,
Institute of Economic Growth and M.N. Murty, Institute of Economic
Growth

08:45 - 10:30

SYMPOSIUM SESSION: 6B: CHINA-JAPAN CDM: POTENTIAL, EVALUATION AND FINANCE TO ADVANCE SUSTAINABLE DEVELOPMENT

Room D

Chairperson: Akihisa Mori, Kyoto University

Organizer: Akihisa Mori, Kyoto University

FINANCIAL ASPECT OF JAPAN-CHINA CDM

Akihisa Mori, Kyoto University

SITE LOCATION OF CDM PROJECTS: AN INPUT OUTPUT ANALYSIS

Sungin Na, Hiroshima Shudo University

Co-Author(s): Kiyoshi Fujikawa, Konan University, Tadashi Hayashi, Takasaki City University of Economics, Yoshihisa Inada, Konan University, Akihisa Mori, Kyoto University, Mitsuru Shimoda, and Kazuhiro Ueta, Kyoto University and President of SEEPS

A CDM PROJECT OF METHANE RECOVERY FROM LIVESTOCK: A CASE STUDY IN DINGCHENG, CHANGDE CITY, HUNAN PROVINCE, PRC

Mitsuru Shimoda, TEZUKAYAMA UNIVERSITY

Co-Author(s): Kiyoshi Fujikawa, Konan University, Yoshihisa Inada, Konan University, Takasei Kusube, Ishikawa Prefectural University and Akihisa Mori, Kyoto University

EFFICIENCY IMPROVEMENT CDM OF THE CHONGMING POWER PLANT IN SHANGHAI

Seong-hee Kim, Kyoto University

Co-Author(s): Akihisa Mori, Kyoto University, Sungin Na, Hiroshima Shudo University and Kazuhiro Ueta, Kyoto University and President of SEEPS

CDM, CLIMATE CHANGE POLICY AND THE SUSTAINABLE DEVELOPMENT: METHODOLOGICAL FRAMEWORK FOR EVALUATION

Tadashi Hayashi, Takasaki City University of Economics

Co-Author(s): Akihisa Mori, Kyoto University, Sungin Na, Hiroshima Shudo University, Mari Nishiki, Kyoto University and Kazuhiro Ueta, Kyoto University and President of SEEPS

08:45 - 10:30

SYMPOSIUM SESSION: 6C: SPATIAL VARIATION IN BENEFITS AND COSTS FOR ENVIRONMENTAL POLICY MAKING

Room C-2

Chairperson: Wayne Gray, Clark University

Organizer: Wayne Gray, Clark University

ON SPATIAL HETEROGENEITY IN ENVIRONMENTAL COMPLIANCE COSTS

Randy Becker, U.S. Bureau of the Census

A SPATIAL ANALYSIS OF THE CONSEQUENCES OF THE SO₂ TRADING PROGRAM

Wayne Gray, Clark University

Co-Author(s): Cynthia Morgan, U.S. Environmental Protection Agency and Ronald Shadbegian, University of Massachusetts-Dartmouth

DELEGATION OF POWER, LOBBY FORMATION AND THE IMPLEMENTATION OF THE 1990 CLEAN AIR ACT AMENDMENTS

Antonio Bento, University of Maryland

Co-Author(s): Maximilian Auffhammer, University of California, Berkeley and Scott Lowe, UC Santa Barbara

RACE, ENVIRONMENT, AND NEIGHBORHOOD CHOICE

Randall Walsh,

08:45 - 10:30

6D: CARBON SEQUESTRATION

Room F

Chairperson: Renato Rosa, Universidade Nova de Lisboa

THE OPTIMAL CARBON SEQUESTRATION IN AGRICULTURAL SOILS: DOES THE DYNAMICS OF THE PHYSICAL PROCESS MATTER?

Lionel Ragot, University of Lille 1

Co-Author(s): Katheline Schubert, University of Paris 1

THE OPTIMAL SEQUESTRATION POLICY WITH A CEILING ON THE STOCK OF CARBON IN THE ATMOSPHERE

Bertrand MAGNE, University of Toulouse 1 (CEA and LERNA)

Co-Author(s): Gilles Lafforgue, University of Toulouse (INRA-LERNA) and Michel MOREAUX, University of Toulouse 1 (IUF, IDEI and LERNA)

IMPACT OF CARBON ACCOUNTING METHODS ON OPTIMAL FOREST MANAGEMENT: AN APPLICATION TO THE PORTUGUESE EUCALYPTUS FOREST

Renato Rosa, Universidade Nova de Lisboa

Co-Author(s): Maria A. Cunha-e-Sá, Universidade Nova de Lisboa, Faculdade de Economia

08:45 - 10:30

6E: CLIMATE CHANGE AND AGRICULTURE

Room G

Chairperson: Wolfram Schlenker, Columbia University

ECONOMIC IMPACTS OF CLIMATE CHANGE ON ISRAELI AGRICULTURE

Mordechai Shechter, University of Haifa

Co-Author(s): Pedro Berliner, Jacob Blaustein Institute for Desert Research, Ben Gurion University and David Haim, Research Assistant

THE ECONOMIC IMPACT OF CLIMATE CHANGE ON KENYAN CROP AGRICULTURE: A RICARDIAN APPROACH

Jane Kabubo-Mariara, Department of Economics, University of Nairobi

NONLINEAR EFFECTS OF WEATHER ON CROP YIELDS: IMPLICATIONS FOR CLIMATE CHANGE

Wolfram Schlenker, Columbia University

Co-Author(s): Michael Roberts, Economic Research Service - United States Department of Agriculture

08:45 - 10:30

6F: COASTAL ECOSYSTEMS

Room H

Chairperson: Linda Fernandez, University of California, Riverside

THE ENVIRONMENTAL COSTS OF COASTAL RECLAMATION IN METRO CEBU, PHILIPPINES

Maria Amparo Lourdes Montenegro, Department of Economics, University of San Carlos

Co-Author(s): Annie Diola, Marine Biology Section, Department of Biology, University of San Carlos and Elizabeth Remedio, Department of Economics, University of San Carlos

IDENTIFYING THE ECONOMIC DRIVERS OF LAND USE

CHANGE IN MANGROVE ECOSYSTEMS: A CASE STUDY OF THE INDIAN SUNDERBANS

Pushpm Kumar, Institute of Economic Growth

Co-Author(s): Kanchan Chopra, Institute of Economic Growth, Delhi 110007 India and Nisar Khan,

THE ECONOMIC VALUE OF COASTAL ECOSYSTEMS IN REDUCING TSUNAMI IMPACTS: THE CASE OF MANGROVES IN KAPUHENWALA AND WADURUPPA, SRI LANKA

Rusyan Jill Mamiit, Joint Institute for Marine and Atmospheric Research

Co-Author(s): Kaushalya Wijayaweera, IUCN-The World Conservation Union, Colombo Sri Lanka

COASTAL WATERSHED MANAGEMENT ACROSS AN INTERNATIONAL BORDER IN THE TIJUANA RIVER WATERSHED

Linda Fernandez, University of California, Riverside

08:45 - 10:30

6G: COMMON-PROPERTY RESOURCES I

Room I

Chairperson: Timo Goeschl, University of Heidelberg

SHARING A COMMON RESOURCE WITH CONCAVE BENEFITS

Stefan Ambec, INRA GAEL Grenoble

THE ENVIRONMENTAL-INDUCED AND THE HUMAN-INDUCED SCARCITY IN THE COMMONS: DO WE REACT THE SAME?

Montserrat Viladrich-Grau, Universitat de Lleida

Co-Author(s): Nuria Oses-Eraso, Universidad Publica de Navarra and Frederic Udina, Universitat Pompeu Fabra

GRAZING GAMES

Anne-Sophie Crépin, The Beijer International institute of Ecological Economics

Co-Author(s): Therese Lindahl, The Beijer International institute of Ecological economics

ENDOGENOUS INFORMATION STRUCTURES IN ENVIRONMENTAL CONTRACTING

Timo Goeschl, University of Heidelberg

Co-Author(s): Tun LIN, Asian Development Bank

08:45 - 10:30

6H: COST-BENEFIT ANALYSIS II

Room B-1

Chairperson: Ian J. Bateman, University of East Anglia

THE ECONOMIC COSTS AND BENEFITS OF INVESTMENTS IN MUNICIPAL WATER AND SANITATION INFRASTRUCTURE: A GLOBAL PERSPECTIVE

Michael Hanemann, University of California, Berkeley

Co-Author(s): Dale Whittington, University of North Carolina - Chapel Hill

VALUING CULTURAL HERITAGE IN DEVELOPING COUNTRIES: COMPARING AND POOLING CONTINGENT VALUATION AND CHOICE MODELING ESTIMATES

Tuan Tran Huu, College of Economics, Hue University, VIETNAM and Department of Economics and Resource Management, Norwegian University of Life Sciences, NORWAY

Co-Author(s): Stale Navrud, Department of Economics and

Resource Management, Norwegian University of Life Sciences

BENEFIT TRANSFER OF DISAMENITIES' VALUES OF WASTE TRANSFER-STATIONS IN ISRAEL

Tzipi Eshet, Faculty of Civil and Environmental Engineering, Technion, Haifa, ISRAEL

Co-Author(s): Mira Baron, Faculty of Industrial Engineering & Management, Technion, Haifa, ISRAEL and Mordechai Shechter, University of Haifa

THE AGGREGATION OF ENVIRONMENTAL BENEFIT VALUES: WELFARE MEASURES, DISTANCE DECAY AND TOTAL WTP

Ian J. Bateman, University of East Anglia

Co-Author(s): Stavros Georgiou, DEFRA and Iain Lake, University of East Anglia

08:45 - 10:30

6I: EXPERIMENTS IN ENVIRONMENTAL ECONOMICS III

Room J

Chairperson: John Rolfe, Central Queensland University

LEXICOGRAPHIC DECISION-MAKING RULES IN DISCRETE CHOICE EXPERIMENTS: IMPLICATIONS ON INDIVIDUAL-SPECIFIC WTP ESTIMATES

Danny Campbell, Institute of Agri-Food & Land Use, Queen's University Belfast

Co-Author(s): George. Hutchinson, Queen's University Belfast and Riccardo Scarpa, Waikato Management School, University of Waikato (New Zealand) AND Environment Department, University of York (United Kingdom)

STATUS-QUO EFFECT IN CHOICE MODELING: PROTEST BELIEFS, ATTITUDES, AND TASK COMPLEXITY

Jürgen Meyerhoff, TU Berlin

Co-Author(s): Ulf Liebe, Gutenberg University of Mainz

THE IMPACT OF OFFERING TWO VERSUS THREE ALTERNATIVES IN CHOICE MODELLING EXPERIMENTS

John Rolfe, Central Queensland University

Co-Author(s): Jeff Bennett, Australian National University

08:45 - 10:30

6J: TRADABLE PERMITS I

Room E

Chairperson: Eva Benz, Bonn Graduate School of Economics, Germany

INCENTIVES AND QUOTA PRICES IN AN EMISSION TRADING SYSTEM WITH UPDATING

Knut Einar Rosendahl, Statistics Norway

INTERNATIONAL PERMIT MARKETS AND DOMESTIC EMISSIONS REGULATION

Odd Godal, Department of Economics, Göteborg University

MAKING MARKETS FOR DEVELOPMENT RIGHTS WORK: WHAT DETERMINES DEMAND?

Elizabeth Kopits, U.S. EPA- Nat'l Center for Environmental Economics

Co-Author(s): Virginia McConnell, University of Maryland, Baltimore County, and Resources for the Future and Margaret

Walls, Resources for the Future

SPECIFYING AND PRICING A NEW CLASS OF ASSETS: CO2 EMISSION ALLOWANCES

Eva Benz, Bonn Graduate School of Economics, Germany

Co-Author(s): Stefan Trueck, Queensland University of Technology

08:45 - 10:30

6K: VOLUNTARY POLLUTION ABATEMENT II

Room 510

Chairperson: Wilma Rose Q Anton, University of Central Florida

THE EFFECTS OF VOLUNTARY ACTION PLAN ON ENERGY SAVING INVESTMENT

Makoto Sugino, Sophia University, Graduate School of Economics

Co-Author(s): Toshi Arimura, Sophia University

PARTICIPATION IN ENVIRONMENTAL ORGANIZATIONS: AN EMPIRICAL ANALYSIS

Maria A. Garcia-valinas, UNIVERSITY OF OVIEDO

Co-Author(s): Benno Torgler, Yale University

CAN VOLUNTARY POLLUTION PREVENTION PROGRAMS FULFILL THEIR PROMISES? EVIDENCE FROM THE 33/50 PROGRAM

Neha Khanna, Binghamton University

Co-Author(s): Martina Vidovic, Bloomsburg University

SEEKING PROACTIVE COMPLIANCE: INCENTIVES FOR ENVIRONMENTAL AUDITS

Wilma Rose Q Anton, University of Central Florida

Co-Author(s): Donna Theresa Ramirez Harrington, University of Guelph

08:45 - 10:30

6L: WATER MANAGEMENT II

Room 501

Chairperson: Kristin Komives, Institute of Social Studies

HETEROGENEOUS RESPONSES TO WATER CONSERVATION PROGRAMS: THE CASE OF RESIDENTIAL USERS IN LOS ANGELES

Celine Nauges, LERNA, University of Toulouse

Co-Author(s): Michael Hanemann, University of California, Berkeley

PARETO-IMPROVING WATER MANAGEMENT OVER SPACE AND TIME: THE HONOLULU CASE

Basharat Pitafi, University of Southern Illinois, Carbondale

Co-Author(s): Jim Roumasset, University of Hawaii at Manoa

SOCIAL PRICING AND WATER PROVISION IN COTE D'IVOIRE

Alban Thomas, INRA-LERNA, University of Toulouse

Co-Author(s): Daouda DIAKITE, LERNA, University of Toulouse and Aggey Semenov, University of Toulouse and CORE

POST-CONSTRUCTION SUPPORT ACTIVITIES AND THE SUSTAINABILITY OF RURAL WATER PROJECTS IN GHANA

Dale Whittington, University of North Carolina - Chapel Hill

Co-Author(s): Kristin Komives, Institute of Social Studies and Rich Thorsten, University of North Carolina-Chapel Hill

08:45 - 10:30	6M: WILDLIFE CONSERVATION Chairperson: Marca Weinberg, Economic Research Service, USDA	Room K
	GRANDMA OR THE WOLF: A REAL OPTIONS FRAMEWORK FOR MANAGING HUMAN-WILDLIFE CONFLICTS Jean-Daniel Saphores, Co-Author(s): Baishali Bakshi, None CAN LOCAL COMMUNITIES IN ZIMBABWE BE TRUSTED WITH WILDLIFE MANAGEMENT? : EVIDENCE FROM CONTINGENT VALUATION OF ELEPHANTS Edwin Muchapondwa, University of Cape Town Co-Author(s): Fredrik Carlsson, Department of Economics, Göteborg University and Gunnar Kohlin, Department of Economics, Göteborg University SPATIAL TARGETING OF WETLAND RESTORATION FOR WATER QUALITY AND WILDLIFE Marca Weinberg, Economic Research Service, USDA Co-Author(s): Steve Newbold, US EPA	
08:45 - 10:30	6N: CLIMATE CHANGE: POLICIES IN INDUSTRIALISED COUNTRIES Chairperson: Günter Lang, University of Augsburg	Room 509
	EVALUATING THE PERFORMANCE OF VOLUNTARY CO2 EMISSIONS CONTROL IN THE UNITED STATES: AN ANALYSIS OF THE CLIMATE CHALLENGE PROGRAM Kyoungsun HEO, Indiana University - Bloomington Co-Author(s): David Good, Indiana University - Bloomington and Kerry Krutilla, Indiana University - Bloomington CLIMATE CHANGE AGREEMENTS IN THE UK: A SUCCESSFUL POLICY EXPERIENCE? Gildas de Muizon, CERNA - Centre of Industrial Economics Co-Author(s): Matthieu Glachant, CERNA - Ecole des Mines de Paris PORTFOLIO ANALYSIS OF CARBON STOCKS IN JAPAN Hiroyasu Sugihara, Development Bank of Japan Co-Author(s): Yoriko Ikoma, Research Centre of Regional Policy, Development Bank of Japan, and Jun Yamashita, Affiliation: Graduate School of Social and Cultural Studies, Kyushu WHERE ARE GERMANY'S GAINS FROM KYOTO? ESTIMATING THE EFFECTS OF GLOBAL WARMING ON AGRICULTURE Günter Lang, University of Augsburg	
08:45 - 10:30	6O: AIR POLLUTION II Chairperson: Henrik Hammar, National Institute of Economic Research (Sweden)	Room 553
	ENVIRONMENTAL EQUITY AND VULNERABILITY TO AIR POLLUTION: EVIDENCE FROM A DEVELOPING COUNTRY Vinish Kathuria, Associate Professor Co-Author(s): Nisar Khan, Sr. Research Analyst	

MEASURING BENEFITS FROM REDUCED AIR POLLUTION IN THE CITIES OF DELHI AND KOLKATA IN INDIA USING HEDONIC PROPERTY PRICES MODEL* M.N. MURTY, S.C. GULATI AND AVISHEK BANERJEE

Gulati S C, Institute of Economic Growth

Co-Author(s): Murty M N , Institute of Economic Growth

ECONOMIC GROWTH AND AIR QUALITY IN CHINA

Daigee Shaw, Institute of Economics, Academia Sinica

Co-Author(s): Wei Cen, Jin He Economic Research Center, XiAn JiaoTong University, Ming-Feng Hung, Department of Industrial Economics, Tamkang University and Arwin Pang,

DETERMINANTS OF FIRMS INVESTMENTS FOR REDUCING EMISSIONS TO AIR IN THE SWEDISH PULP- AND PAPER, AND ENERGY AND HEATING INDUSTRY

Henrik Hammar, National Institute of Economic Research (Sweden)

Co-Author(s): Asa Lofgren, Dept. of Economics, Goteborg University

08:45 - 10:30

6P: NON-POINT-SOURCE POLLUTION

Room 554

Chairperson: Christopher Burkart, Iowa State University

THE EUROPEAN WATER FRAMEWORK DIRECTIVE AND PROGRAMMES OF COST-EFFECTIVE MEASURES – AN APPLICATION

Franz Sinabell, Austrian Institute of Economic Research

Co-Author(s): Erwin Schmid, University of Natural Resources and Applied Life Sciences, Vienna

POLICY RESEARCH ON AGRICULTURAL NON-POINT SOURCE WATER POLLUTION CONTROL IN DIANCHI LAKE AREA OF CHINA

Yingna Huang, Research Center of Environmental Engineering and Management, Graduate school of Shenzhen, Tsinghua University

WATER QUALITY SIMULATIONS FOR NONPOINT SOURCE POLLUTION POLICY

Christopher Burkart, Iowa State University

08:45 - 10:30

6Q: INTERNATIONAL ENVIRONMENTAL AGREEMENTS I

Room B-2

Chairperson: Nathan Rive, Center for International Climate and Environmental Research - Oslo

A COOPERATIVE GAMETHEORETIC APPROACH IN KYOTO PROTOCOL

Gahyeong Hur, KOICA

A DYNAMIC APPROACH TO INTERNATIONAL ENVIRONMENTAL AGREEMENTS BETWEEN HETEROGENEOUS COUNTRIES

Norma Olaizola, University of the Basque Country

Co-Author(s): Jeroen Kuipers, Maastricht University

COMPARISON OF NEGOTIATED UNIFORM VERSUS DIFFERENTIATED ABATEMENT STANDARDS FOR A TRANSBOUNDARY POLLUTION PROBLEM

Jean-François Jacques, EURISCO Université Paris-Dauphine
 Co-Author(s): Basak Bayramoglu, PSE and CES Université Paris 1
**CLIMATE AGREEMENTS BASED ON RESPONSIBILITY FOR
 GLOBAL WARMING: PERIODIC UPDATING, POLICY CHOICES,
 AND REGIONAL COSTS**
 Nathan Rive, Center for International Climate and Environmental
 Research - Oslo
 Co-Author(s): Jan S. Fuglestad, Center for International Climate
 and Environmental Research - Oslo and Asbjørn Torvanger, Center
 for International Climate and Environmental Research - Oslo

10:30 - 11:00	COFFEE BREAK	
11:00 - 12:30	PLENARY SESSION	
11:00 - 12:30	PLENARY 3: ECONOMICS OF BIODIVERSITY CONSERVATION Chairperson: Irina Glazyrina, Institute of Natural Resources of the Russian Academy of Sciences and Past President of the Russian Society of Ecological Economics	Room Main Hall
	ECONOMICS OF BIODIVERSITY CONSERVATION Stephen Polasky, University of Minnesota	
12:30 - 14:00	LUNCH	
12:30 - 14:00	AERE GENERAL ASSEMBLY: THE PRESENTATION OF THE PETRY PRIZE FOR THE BEST PAPER ON THE ECONOMICS OF CLIMATE CHANGE IN THE PAST THREE YEARS	
12:30 - 14:00	AERE GENERAL ASSEMBLY: THE PRESENTATION OF THE PETRY PRIZE FOR THE BEST PAPER ON THE ECONOMICS OF CLIMATE CHANGE IN THE PAST THREE YEARS Chairperson: Richard T. Carson, University of California San Diego and President of AERE	Room D
14:00 - 15:45	PARALLEL SESSIONS 07	
14:00 - 15:45	SYMPOSIUM SESSION: 7A: DAVID PEARCE	Room B-1

COMMEMORATIVE SESSION

Chairperson: Edward Barbier, University of Wyoming

Organizer: Edward Barbier, University of Wyoming

DAVID PEARCE'S WORK IN ENVIRONMENTAL AND DEVELOPMENT

Anil Markandya, FEEM

DAVID PEARCE'S CONTRIBUTIONS TO THE WORLD BANK

Kirk Hamilton,

HOW TO INFLUENCE ENVIRONMENTAL POLICY – LESSONS FROM DAVID W. PEARCE

Frank Convery,

14:00 - 15:45

SYMPOSIUM SESSION: 7B: ENVIRONMENTAL QUALITY AND HEALTH: ASSESSING INCENTIVES, COSTS AND BENEFITS

Room C-1

Chairperson: E. Somanathan, Indian Statistical Institute, Delhi

Organizer: Priya Shyamsundar, and E. Somanathan, Indian Statistical Institute, Delhi

AWARENESS AND THE DEMAND FOR ENVIRONMENTAL QUALITY

E. Somanathan, Indian Statistical Institute, Delhi

PESTICIDES OR “HEALTHICIDES”? AN ATTEMPT AT ESTIMATING THE HEALTH COSTS OF PESTICIDE APPLICATORS

Indira Devi, Kerala Agricultural University

DEMAND FOR ENVIRONMENTAL QUALITY: A CASE OF INDOOR AIR QUALITY DEMAND IN RURAL NEPAL

Krishna Prasad Pant, Ministry of Agriculture and Cooperatives

Co-Author(s): Subhrendu Pattanayak, RTI International

VALUATION OF URBAN AIR POLLUTION: A CASE STUDY OF KANPUR CITY IN INDIA

Usha Gupta, Institute of Economic Growth

MANAGING THE ARSENIC DISASTER IN WATER SUPPLY – RISK MEASUREMENT, COSTS OF ILLNESS AND POLICY CHOICES FOR BANGLADESH

A.K. Enamul Haque,

Co-Author(s): Zakir Hussain Khan,

14:00 - 15:45

SYMPOSIUM SESSION: 7C: POLICY INNOVATIONS IN ENVIRONMENTAL MANAGEMENT

Room C-2

Chairperson: Catherine S. Norman, The Johns Hopkins University

Organizer: Catherine S. Norman, The Johns Hopkins University

MANDATORY INFORMATION DISCLOSURE AND ENVIRONMENTAL PERFORMANCE IN THE ELECTRICITY INDUSTRY

Jay Shimshack, Tufts University

Co-Author(s): Magali Delmas, Bren School, UCSB and Maria

Montes, Universitat Pompeu Fabra

LIMITED TENURE AND EFFICIENT RESOURCE USE

Christopher Costello, Bren School of Environmental Science & Management, UCSB

Co-Author(s): Daniel Kaffine, Bren School, UCSB

ANTI-SLAPP LEGISLATION AND CITIZEN ENFORCEMENT: MEASURING THE “CHILL” OF STRATEGIC LAWSUITS

Bevin Ashenmiller,

Co-Author(s): Catherine S. Norman, The Johns Hopkins University

14:00 - 15:45

7D: BIOECONOMICS I

Room F

Chairperson: Noailly Joelle, CPB Netherlands Bureau for Economic Policy Analysis

BIOECONOMETRICS: EMPIRICAL MODELING OF BIOECONOMIC SYSTEMS

Martin D Smith, Duke University

HARVESTING IN AN INTEGRATED GENERAL EQUILIBRIUM MODEL

Thomas Eichner, University of Siegen

Co-Author(s): Rüdiger Pethig, University of Siegen

FISHERIES MANAGEMENT IN THE GALAPAGOS MARINE RESERVE: A BIOECONOMIC PERSPECTIVE

César Marcelo Viteri Mejia, Mentefactura

Co-Author(s): Jon Conrad, Applied Economics and Management Cornell University, Franklin Henrik, IBD, Linda Nøstbakken, Cornell and Stone Steven, IBD

COEVOLUTION OF ECONOMIC AND ECOLOGICAL SYSTEMS: AN APPLICATION TO AGRICULTURAL PESTICIDE RESISTANCE

Noailly Joelle, CPB Netherlands Bureau for Economic Policy Analysis

14:00 - 15:45

7E: BIODIVERSITY: CASE STUDIES

Room G

Chairperson: Heidi J. Albers, Oregon State University

OPTIMALLY MANAGING A PROTECTED AREA HOSTING NON-CHARISMATIC SPECIES

Birgit Friedl, Department of Economics, University of Graz

Co-Author(s): Doris Behrens, Department of Economics, University of Klagenfurt and Michael Getzner, Dept of Econ, University of Klagenfurt

VOLUNTARY CONSERVATION IN WORKING LANDSCAPES

Juha Siikamaki, Resources for the Future

Co-Author(s): David Layton, University of Washington

MAINTENANCE COSTS, PRICE UNCERTAINTY, AND ABANDONMENT IN SHADE-GROWN COFFEE PRODUCTION: COASTAL OAXACA, MEXICO

Heidi J. Albers, Oregon State University

Co-Author(s): Beatriz Avalos Sartorio, Science Council of CGIAR, Michael Batz, Resources for the Future and Allen Blackman, Resources for the Future

14:00 - 15:45	7F: CHOICE MODELS IN ENVIRONMENTAL ECONOMICS Chairperson: Alejandro Caparros, Spanish National Research Council	Room H
	TESTING FOR RANDOM UTILITY MAXIMIZATION J S Shonkwiler, University of Nevada HICKSIAN WELFARE MEASURES IN RANDOM UTILITY MODEL WITH LINEAR AND NON-LINEAR INCOME EFFECTS: A COMPARATIVE EVALUATION BASED ON CONJOINT CHOICE-BASED SURVEY DATA Sudip Chattopadhyay, San Francisco State University Co-Author(s): Edward R. Morey, APPLICATION OF CHOICE MODELLING TO ENVIRONMENTAL MITIGATION Basil Sharp, University of Auckland Co-Author(s): Geoffrey Kerr, Lincoln University COMPARING STRUCTURAL MODELS AND WELFARE MEASURES IN RANKING AND CHOICE EXPERIMENTS Alejandro Caparros, Spanish National Research Council Co-Author(s): Pablo Campos, Spanish National Research Council and Jose Luis Oviedo, Spanish National Research Council	
14:00 - 15:45	7G: CLIMATE CHANGE AND INNOVATION Chairperson: Cathrine Hagem, Department of Economics, University of Oslo	Room B-2
	CLIMATE POLICY, PRUDENCE, AND THE ROLE OF TECHNOLOGICAL INNOVATION Thomas Sterner, University of Göteborg Co-Author(s): Carolyn Fischer, Resources for the Future THE FUTURE OF GLOBAL WARMING: WILL IT BE POLLUTION ELIMINATING TECHNOLOGY OR ENVIRONMENTAL CATASTROPHE? Ram Ranjan, University of Florida A MODEL OF THE EFFECTS OF UNCERTAINTY UPON TECHNOLOGICAL INNOVATION IN THE CONTEXT OF CLIMATE CHANGE Alexander Golub, Environmental Defense Co-Author(s): Dan Dudek, and Elena Strukova, CLEAN DEVELOPMENT MECHANISM (CDM) AND TECHNOLOGICAL CHANGE. Cathrine Hagem, Department of Economics, University of Oslo	
14:00 - 15:45	7H: COMMON-PROPERTY RESOURCES II Chairperson: Shunji Oniki, JIRCAS	Room I
	A FRAMED FIELD EXPERIMENT ON COLLECTIVE ENFORCEMENT MECHANISMS WITH ETHIOPIAN FARMERS Till Requate, University of Kiel Co-Author(s): Anke Rojahn,	

COOPERATION AND CONSERVATION IN THE MANAGEMENT OF COMMON PROPERTY RESOURCES: THE CASE OF IRISH COMMONAGE

Tom van Rensburg, National University of Ireland, Galway

Co-Author(s): Salvatore Di Falco, CSERGE- University of East Anglia, UK

OVERGRAZING, POPULATION PRESSURE AND EFFICIENCIES OF PASTORAL MANAGEMENT IN INNER MONGOLIA AND MONGOLIA

Shunji Oniki, JIRCAS

14:00 - 15:45

7I: CONTAMINATED SITES AND HAZARDOUS WASTE

Room D

Chairperson: Eva Samakovlis, National Institute of Economic Research

PAYING FOR PERMANENCE: PUBLIC PREFERENCES FOR CONTAMINATED SITE CLEANUP

Anna Alberini, AREC, University of Maryland and FEEM, Venice

Co-Author(s): Aline Chiabai, Fondazione Eni Enrico Mattei, Stefania Tonin, University of Venice-IUAV and Margherita Turvani, University of Venice-IUAV

THE ECONOMIC IMPACT OF CONTAMINATED AND NOXIOUS SITES: A META ANALYSIS

Doohwan Won, University of Illinois at Urban-Champaign

Co-Author(s): John Braden, University of Illinois and Laura Taylor, Georgia State University

MATTERS RISK? THE ALLOCATION OF GOVERNMENT SUBSIDIES FOR REMEDIATION OF CONTAMINATED SITES UNDER THE SWEDISH LOCAL INVESTMENT PROGRAMME

Eva Samakovlis, National Institute of Economic Research

Co-Author(s): Johanna Forslund, National Institute of Economic Research and Maria Vredin Johansson, Department of Economics, Uppsala University

14:00 - 15:45

7J: COST-BENEFIT ANALYSIS III

Room E

Chairperson: Yoshifumi Konishi, University of Minnesota

ON THE EVALUATION OF AN ENVIRONMENTALLY DAMAGING PROJECT

Biswo Poudel, University of California

THE ROLE OF HETEROGENEOUS CONSUMER PREFERENCES IN DRIVING THE SPEED OF ABATEMENT

Maria Damon, University of California, San Diego

VALUE OF INFORMATION AND AVERTING EXPENDITURES: THE CASE OF TOXIC WATER CONTAMINATION

Yoshifumi Konishi, University of Minnesota

Co-Author(s): Jay Coggins, University of Minnesota

14:00 - 15:45

7K: ECO-LABELLING

Room J

Chairperson: Wilhelm Althammer, Leipzig Graduate School of Management

<hr/>		
	<p>HARMONIZATION VERSUS MUTUAL RECOGNITION OF NATIONAL ECO-LABELS Ville Mälkönen, VATT, Finland</p> <p>TRADE BANS VERSUS ECO-LABELING IN THE CASE OF GMOS: CONSUMERISM OR PROTECTIONISM? Mads Greaker, Research Department Statistics Norway Co-Author(s): Yuyu Chen,</p> <p>DETERMINANTS OF PARTICIPATION VERSUS CONSUMPTION IN THE NORDIC SWAN ECO-LABELED MARKET Keith Brouhle, Grinnell College Co-Author(s): Madhu Khanna, University of Illinois at Urbana-Champaign</p> <p>ECOLOGICAL LABELING IN NORTH-SOUTH TRADE Wilhelm Althammer, Leipzig Graduate School of Management Co-Author(s): Susanne Droege, DIW Berlin</p>	
14:00 - 15:45	<p>7L: ECONOMIC GROWTH AND THE ENVIRONMENT II Chairperson: Simone Valente, ETH Zurich</p>	Room 510
	<p>ENERGY PRICES, GROWTH, AND THE CHANNELS IN BETWEEN: THEORY AND EVIDENCE Lucas Bretschger, ETH Zürich</p> <p>OPTIMAL GROWTH IN OVERLAPPING GENERATIONS WITH A DIRECTLY POLLUTING SECTOR AND AN INDIRECT ONE. Gilles Rotillon, Université Paris X Nanterre</p> <p>GENUINE DISSAVING AND OPTIMAL GROWTH Simone Valente, ETH Zurich</p>	
14:00 - 15:45	<p>7M: EXPERIMENTS IN ENVIRONMENTAL ECONOMICS IV Chairperson: Yohei Mitani, Waseda University</p>	Room 501
	<p>WTP CALIBRATION AND BIAS TRANSFER: A STOCHASTIC FRONTIER APPROACH Dieldre Harder, Resources, Economic and Environmental Centre for Studies, Inc (REECS) Co-Author(s): Herminia Francisco, Economy and Environment Program for Southeast Asia (EEPSEA), Jianjun Jin, PhD student, University of Macau and Asa Sajise, faculty, Department of economics, University of the Philippines at Los banos (UPLB)</p> <p>A "CHOICE EXPERIMENT" EXPERIMENT Katherine Carson, US Air Force Academy Co-Author(s): Susan Chilton, University of Newcastle and George. Hutchinson, Queen's University Belfast</p> <p>WHAT FACTORS ARE RESPONSIBLE FOR DECISION MAKING IN A THRESHOLD ENVIRONMENTAL GOODS EXPERIMENT: A CONSIDERATION OF HYPOTHETICAL BIAS IN STATED PREFERENCE Yohei Mitani, Waseda University Co-Author(s): Koichi Kuriyama, Waseda University</p>	

14:00 - 15:45	7N: THEORY OF ENVIRONMENTAL POLICY II Chairperson: Francesco Ricci, Université de Cergy-Pontoise (THEMA) and LERNA	Room K
	EXCESSIVE SPENDING TO AVOID ENVIRONMENTAL ACCIDENTS: IS IT A CONCERN IN PRACTICE? Klaas van 't Veld, University of Wyoming Co-Author(s): Emma Hutchinson, University of Victoria HOW LONG SHOULD A PIPE SMOKE? AN OPTION VALUE APPROACH FOR ABATEMENT TECHNOLOGY Andreas von Döllen, University of Kiel Co-Author(s): Till Requate, University of Kiel GETTING POLLUTERS TO TELL THE TRUTH Marcelo Caffera, University of Montevideo Co-Author(s): Juan Dubra, University of Montevideo OVERCOMING THE NATURAL RESOURCE CONSTRAINT THROUGH DEDICATED R&D EFFORT WITH HETEROGENOUS LABOR SUPPLY Francesco Ricci, Université de Cergy-Pontoise (THEMA) and LERNA Co-Author(s): Jean-Pierre Amigues, LERNA - Université de Toulouse 1 and INRA and Michel Moreaux, Université de Toulouse 1 (IUF, IDEI and LERNA)	
14:00 - 15:45	7O: URBAN TRANSPORT Chairperson: Colin Vance, Rheinisch-Westfälisches Institut für Wirtschaftsforschung e.V. (RWI-Essen)	Room 509
	THE IMPACT OF BUS PRIORITY MEASURES ON RESIDENTS IN A BUS CATCHMENT AREA: A CASE STUDY OF A DUBLIN QUALITY BUS CORRIDOR. Simon McDonnell, University College Dublin Co-Author(s): Frank Convery, and Susana Ferreira, University College Dublin THE INFLUENCE OF ENVIRONMENTAL DETERIORATION AND NETWORK IMPROVEMENT ON TRANSPORT MODAL CHOICE Yusuke Sakata, Department of Economics, Kinki University Co-Author(s): Yoshizo Hashimoto, Osaka School of International Public Policy, Osaka University and Junyi Shen, Osaka School of International Public Policy, Osaka University BENCHMARKING SUSTAINABLE URBAN TRAVEL POLICIES: THE CASE OF BICYCLING IN GERMANY Rave Tilmann, ifo Institute for Economic Research IS THERE A LINK BETWEEN URBAN FORM AND AUTOMOBILE USE IN GERMANY? EVIDENCE FROM A SELECTIVITY MODEL Colin Vance, Rheinisch-Westfälisches Institut für Wirtschaftsforschung e.V. (RWI-Essen) Co-Author(s): Ralf Hedel, German Aerospace Center (DLR)	
14:00 - 15:45	7P: DRINKING WATER Chairperson: Christophe Bontemps, University of	Room 553

A LITTLE KNOWLEDGE ...: HOUSEHOLD WATER QUALITY INVESTMENT IN THE ANNAPOLIS VALLEY, NOVA SCOTIA, CANADA

Johannus (John) Janmaat, Acadia University

ESTIMATION OF NON-TAP WATER DEMAND IN CENTRAL AMERICAN CITIES

Celine Nauges, LERNA, University of Toulouse

Co-Author(s): Jon Strand, International Monetary Fund

LOCAL MARKETS FOR PAYMENTS FOR ENVIRONMENTAL SERVICES: DIRECT PAYMENT FOR WATERSHED SERVICES IN EASTERN COSTA RICA

Michael Kaplowitz, Michigan State University

Co-Author(s): Oscar Arreola, and Frank Lupi, Michigan State University

TO DRINK OR NOT TO DRINK (TAP WATER) ? THE IMPACT OF ENVIRONMENTAL QUALITY ON CONSUMER'S CHOICES

Christophe Bontemps, University of Toulouse - INRA

Co-Author(s): Celine Nauges, LERNA, University of Toulouse

14:00 - 15:45

7Q: GREEN PROTECTIONISM

Room 554

Chairperson: Carol McAusland, University of Maryland

ON THE SALE OF DISGUISED PROTECTIONISM

Michael Margolis, Universidad de Guanajuato

Co-Author(s): Jason Shogren, University of Wyoming

BLACK MARKETS AND TRADE BANS: CAN BANS REDUCE ILLEGAL PRODUCTION ?

Ayumi Onuma, Keio University

CAN R&D INDUCING GREEN TARIFFS REPLACE INTERNATIONAL ENVIRONMENTAL REGULATIONS?

Alireza Naghavi, University of Modena and Reggio Emilia

REGULATORY TAKINGS AND ENVIRONMENTAL REGULATION IN NAFTA'S CHAPTER 11

Carol McAusland, University of Maryland

Co-Author(s): Emma Aisbett, University of California at Berkeley and Larry Karp, University of California at Berkeley

15:45 - 16:15

COFFEE BREAK

16:15 - 18:00

PARALLEL SESSIONS 08

16:15 - 18:00

SYMPOSIUM SESSION: 8A: ADVANCES IN STATED PREFERENCE METHODOLOGY

Room B-1

Chairperson: William Wheeler,

Organizer: William Wheeler,

**AN EXPERIMENTAL INVESTIGATION OF THE DETERMINANTS
OF INADEQUATE SCOPE SENSITIVITY FOR RISK
REDUCTIONS IN STATED PREFERENCE STUDIES**

Katharine Bolt,

Co-Author(s): Ian J. Bateman, University of East Anglia, Brett Day,
Centre for Social and Economic Research on the Global
Environment and Graham Loomes, University of East Anglia

16:15 - 18:00

8B: TRADE AND THE ENVIRONMENT I

Room C-2

Chairperson: Sonia Ben Kheder, University Paris 1

**DIVERSITY IN ENVIRONMENTAL STANDARDS AND
COMPETITIVENESS: A TEMPORAL AND CROSS-COUNTRY
STUDY OF GLOBAL LEATHER INDUSTRY SUPPLY CHAIN**

Sankar Ulaganathan, Madras University and Anna University

**IT'S THE ENVIRONMENT, STUPID!: TO WHAT EXTENT CAN
WTO TRADE REFORM LEAD TO ENVIRONMENTAL RATHER
THAN ECONOMIC IMPACTS?**

Trevor Donnellan, Teagasc - Irish Agriculture and Food
Development Authority

Co-Author(s): Kevin Hanrahan, Teagasc - Irish Agriculture and
Food Development Authority

**FOREIGN DIRECT INVESTMENT AND ENVIRONMENTAL
REGULATION: A PANEL-DATA COMPARATIVE ANALYSIS**

Sonia Ben Kheder, University Paris 1

16:15 - 18:00

8C: VALUATION OF HEALTH

Room F

Chairperson: Kevin Haninger, Harvard University

**INTEGRATING RISK PERCEPTIONS INTO A
SELF-PROTECTIVE RESIDENTIAL LOCATION CHOICE MODEL
TO VALUE HEALTH RISKS FROM WASTE INCINERATORS**

Young Sook Eom, Dept. of Economics, Chonbuk National
University

Co-Author(s): Douglas M. Larson, American Environmental
Economic Association

**WILLINGNESS TO PAY TO REDUCE COMMUNITY HEALTH
RISKS FROM MUNICIPAL DRINKING WATER: A STATED
PREFERENCE STUDY**

Vic Adamowicz, University of Alberta

Co-Author(s): Diane Dupont, Brock University and Alan Krupnick,
Resources for the Future

**HEALTH AND ECONOMIC ASSESSMENT OF AIR POLLUTION
IN DHAKA, BANGLADESH**

Md. Murshid Aktar, Government Edward College

Co-Author(s): Koji Shimada, Ritsumeikan University

**WILLINGNESS TO PAY FOR QUALITY-ADJUSTED LIFE
YEARS: EMPIRICAL INCONSISTENCY BETWEEN
COST-EFFECTIVENESS ANALYSIS AND ECONOMIC
WELFARE THEORY**

Kevin Haninger, Harvard University

Co-Author(s): James K. Hammitt, Harvard University

16:15 - 18:00

**8D: WASTE MANAGEMENT AND RECYCLING II
(KYOTO UNIVERSITY COE SESSION)**

Room D

Chairperson: Karen Pittel, ETH Zürich

SOME EFFECTS OF DEPOSIT-REFUND SYSTEM ON PRODUCERS AND CONSUMERS

Takashi Saito, Global Security Research Institute, Keio University

Co-Author(s): Ayumi Onuma, Keio University

WASTING INNOVATION: BARRIERS TO ENTRY AND EUROPEAN REGULATION ON WASTE ELECTRONIC EQUIPMENT

Grischa Perino, University of Heidelberg

Co-Author(s): Dario Mock, University of Freiburg

NORMATIVE AND DESCRIPTIVE ANALYSIS OF THE SUBSTANCE FLOW: A CASE STUDY OF LEAD

Rintaro Yamaguchi, Nomura Research Institute

Co-Author(s): Kazuhiro Ueta, Kyoto University and President of SEEPS

A KUZNETS CURVE FOR RECYCLING

Karen Pittel, ETH Zürich

16:15 - 18:00

8E: WATER QUALITY VALUATION

Room G

Chairperson: Shihomi Ara, The Ohio State University

WATER QUALITY VALUATION: AN EMPIRICAL EVIDENCE FROM CV SURVEYS IN THE CZECH REPUBLIC AND POLAND

Mikolaj CZAJKOWSKI, Warsaw University Department of Economic Sciences

Co-Author(s): Anna Bartczak, Warsaw University, Olimpia MARKIEWICZ, Warsaw University Department of Economic Sciences, Agnieszka MARKOWSKA, Warsaw University Department of Economic Sciences, Jan Melichar, Charles University Environment Center, Milan Scasny, Charles University Environmental Center and Hana Skopkova, Charles University Environment Cenetr

VALUING SURFACE WATER QUALITY IN CALIFORNIA: A MIXED PANEL LOGIT MODEL USING A 2½-BOUNDED CVM

Juha Siikamaki, Resources for the Future

Co-Author(s): Douglas Larson, Department of Agricultural and Resource Economics, University of California, Davis

VALUING WATER QUALITY IMPROVEMENTS USING META-ANALYSIS: IS THE GLASS HALF-FULL OR HALF-EMPTY FOR NATIONAL POLICY ANALYSIS?

George Van Houtven, RTI International

Co-Author(s): Subhrendu Pattanayak, RTI International and John Powers, USEPA

MEASURING THE EFFECTS OF LAKE ERIE WATER QUALITY IN SPATIAL HEDONIC PRICE MODELS

Shihomi Ara, The Ohio State University

Co-Author(s): Timothy Haab, Department of Agricultural, Environmental and Development Economics, The Ohio State University and Elena Irwin, Department of Agricultural, Environmental and Deveopment Economics, The Ohio State

16:15 - 18:00	8F: AGRICULTURE AND THE ENVIRONMENT: THEORY Chairperson: Jussi Lankoski, OECD	Room H
	AGRICULTURE AND HABITAT CONSERVATION: A DYNAMIC BIOECONOMIC MODEL OF AGRICULTURAL EFFORT AND LAND USE DETERMINATION Sébastien Foudi, LERNA, University of Toulouse GREEN AUCTION WITH JOINT ENVIRONMENTAL BENEFITS Andrea Cattaneo, OECD Co-Author(s): Jussi Lankoski, OECD and Markku Ollikainen, University of Helsinki LANDOWNERS' PARTICIPATION IN VOLUNTARY CONSERVATION PROGRAMS: THE IMPACT OF INFORMATION. Manuel Frondel, Rheinisch-Westfälisches Institut für Wirtschaftsforschung Co-Author(s): Frank Wätzold, THE IMPACTS OF AGRI-ENVIRONMENTAL POLICIES ON LAND ALLOCATION AND LAND PRICES Jussi Lankoski, OECD Co-Author(s): Herve Guyomard, INRA and Markku Ollikainen, University of Helsinki	
16:15 - 18:00	8G: BIOECONOMICS II Chairperson: Jeffrey Vincent, University of California-San Diego	Room I
	PRICING THE ECOSYSTEM AND TAXING ECOSYSTEM SERVICES: A GENERAL EQUILIBRIUM APPROACH Rüdiger Pethig, University of Siegen Co-Author(s): Thomas Eichner, University of Siegen ADAPTIVE HARVESTING IN A MULTIPLE SPECIES, MULTIPLE USE CORAL REEF FOOD WEB Daniel Kramer, Michigan State University ECONOMIC ANALYSIS OF THE SLOSS DEBATE: AN APPLICATION TO MARINE RESERVES Mette Termansen, Sustainability Research Institute Co-Author(s): Alberto Ansuategi, (b) Departamento de Fundamentos del Análisis Económico I HARVEST AND EXTINCTION IN MULTI-SPECIES COMMUNITIES Matthew Potts, University of Miami and Jeffrey Vincent, University of California-San Diego	
16:15 - 18:00	8H: CLIMATE CHANGE, FORESTRY, AND AGRICULTURE Chairperson: Iddo Kan, University of Haifa	Room J

IMPLICATIONS OF CLIMATE CHANGE FOR FARMLAND

VALUE: PRELIMINARY ESTIMATES FOR CALIFORNIA

Anthony Fisher, UC Berkeley

Co-Author(s): Michael Hanemann, University of California, Berkeley and Wolfram Schlenker, Columbia University

IMPLICATIONS OF A MARKET FOR CARBON ON TIMBER AND NON-TIMBER VALUES IN AN UNCERTAIN WORLD.

Geoffrey R. McCarney, University of Alberta

Co-Author(s): Vic Adamowicz, University of Alberta and Glen W. Armstrong, University of Alberta

ECONOMIC ANALYSIS OF CLIMATE-CHANGE IMPACTS ON AGRICULTURAL PROFITABILITY AND LAND USE: THE CASE OF ISRAEL

Iddo Kan, University of Haifa

Co-Author(s): Mickey Rappaport-Rom, University of Haifa and Mordechai Shechter, University of Haifa

16:15 - 18:00

8I: COALITION FORMATION AND INTERNATIONAL ENVIRONMENTAL AGREEMENTS

Room B-2

Chairperson: Miyuki Nagashima, Wageningen University, Osaka University

COALITION FORMATION AND STRATEGIC PERMIT TRADE UNDER THE KYOTO PROTOCOL

Odd Godal, Department of Economics, Göteborg University

Co-Author(s): Frode Meland, Department of Economics, University of Bergen

COALITION FORMATION IN HIGH SEAS FISHERIES: A PARTITION FUNCTION APPROACH

Pedro Pintassilgo, University of Algarve - Fac. of Economics

DO ABATEMENT QUOTAS LEAD TO MORE SUCCESSFUL CLIMATE COALITIONS?

Juan-Carlos Altamirano-Cabrera, Wageningen University

Co-Author(s): Rob Dellink, Wageningen University and Michael Finus, University of Hagen

DYNAMIC TRANSFER SCHEMES AND STABILITY OF INTERNATIONAL CLIMATE COALITIONS

Miyuki Nagashima, Wageningen University, Osaka University

Co-Author(s): Rob Dellink, Wageningen University and Ekko van Ierland, Wageningen University

16:15 - 18:00

8J: GREEN NATIONAL ACCOUNTING

Room 501

Chairperson: Karl-Gustav Löfgren, University of Umeå

ENVIRONMENT DURING GROWTH: ACCOUNTING FOR GOVERNANCE AND VULNERABILITY

Susmita Dasgupta, World Bank

Co-Author(s): Kirk Hamilton, , Kiran Pandey, Global Environment Facility and David Wheeler, WorldBank

COMPREHENSIVE WEALTH AND FUTURE CONSUMPTION

Susana Ferreira, University College Dublin

Co-Author(s): Kirk Hamilton, and Jeffrey Vincent, University of California-San Diego

EVALUATING FUTURE SUSTAINABILITY: FLOW AND STOCK OF THE EARTH FS CAPITAL ASSETS

Takanobu Kosugi, Ritsumeikan University

Co-Author(s): Norihiro Itsubo, National Institute of Advanced Industrial Science and Technology (AIST), Atsushi Kurosawa, The Institute of Applied Energy, Masaji Sakagami, Nihon Fukushi University, Koji Tokimatsu, National Institute of Advanced Industrial Science and Technology (AIST) and Hiroshi Yagita, National Institute of Advanced Industrial Science and Technology (AIST)

MONEY METRICS WELFARE MEASURES IN IMPERFECT MARKETS UNDER GROWTH

Karl-Gustav Löfgren, University of Umeå

Co-Author(s): Chuan-Zhong Li, Uppsala University

16:15 - 18:00

8K: ROAD TRANSPORT

Room 509

Chairperson: James Kahn, Washington and Lee University and Universidade Federal do Amazonas

A MULTICOUNTRY ANALYSIS OF THE CONSISTANCY OF BENEFIT TRANSFER

Hala Abou-Ali, Cairo University

Co-Author(s): Mohammed Belhaj, IVL Swedish Environmental Research Institute Ltd

INEFFICIENCY IN COMMAND-AND-CONTROL APPROACH TOWARD ADOPTION OF LOW EMISSION VEHICLES: JAPANESE EXPERIENCE OF AIR POLLUTION FROM DIESEL TRUCKS

Toshi Arimura, Sophia University

Co-Author(s): Kazuyuki Iwata, Sophia University

A PROPOSAL FOR STIMULATING FUEL ECONOMY OF ROAD TRANSPORT IN INDIA

Rita Pandey, NIPFP, New Delhi, India

ROAD BUILDING AND ENVIRONMENTAL PRESERVATION IN AMAZONIA: TURNING AN ENVIRONMENTAL LIABILITY INTO AN ENVIRONMENTAL ASSET

James Kahn, Washington and Lee University and Universidade Federal do Amazonas

16:15 - 18:00

8L: SOCIAL NORMS AND SOCIAL RESPONSIBILITY II

Room E

Chairperson: Tatsuo Sugiura, NPO Minamata

SOCIO-PSYCHOLOGICAL VALUE OF WORK AND THE OPTIMALITY OF RESOURCE EXTINCTION

Hossein Farzin, University of California-Davis

Co-Author(s): Ken-Ichi Akao, Waseda University

SOCIAL INFLUENCE AND SUSTAINABILITY IN THE USE OF RENEWABLE RESOURCES

Almudi Isabel, University of Zaragoza

Co-Author(s): Julio Sanchez, University of Zaragoza

VOLUNTARY EMISSION REDUCTIONS, SOCIAL REWARDS, AND ENVIRONMENTAL POLICY

Michael Rauscher, Universitaet Rostock

ENVIRONMENTAL DAMAGE AND RESTORATION IN THE MINAMATA REGION IN TERMS OF CAPABILITY

Tatsuo Sugiura, NPO Minamata

Co-Author(s): Fumikazu Yoshida, Hokkaido University

16:15 - 18:00

8M: FOOD SAFETY

Room 510

Chairperson: Anna Alberini, AREC, University of Maryland and FEEM, Venice

ENVIRONMENTAL IMPLICATIONS OF ORGANIC FOOD PREFERENCES: AN APPLICATION OF THE IMPURE PUBLIC GOODS MODEL

ANA MARIA ALDANONDO-OCHOA, UNIVERSIDAD PUBLICA DE NAVARRA

COLLECTIVE STANDARDS, LIABILITY AND FOOD SAFETY

Louis Georges Soler, INRA

Co-Author(s): Eric Giraud-Héraud, INRA and Hakim Hammoudi, University of Paris 2 - INRA

WORLD FOOD NEEDS IN THE LONG RUN AND THE OPTIMAL ALLOCATIONS OF LANDS

Marie-Hélène Hubert, LERNA-INRA

Co-Author(s): Michel MOREAUX, University of Toulouse 1 (IUF, IDEI and LERNA)

WAS IT SOMETHING I ATE? IMPLEMENTATION OF THE FDA SEAFOOD HACCP PROGRAM

Anna Alberini, AREC, University of Maryland and FEEM, Venice

Co-Author(s): Gregmar Galinato, AREC, University of Maryland, Erik Lichtenberg, AREC, University of Maryland and Dominic Mancini, US Office of Management and Budget

16:15 - 18:00

8N: ENVIRONMENTAL TAXES: EMPIRICAL ANALYSES

Room C-1

Chairperson: Richard W. England, University of New Hampshire, USA

EFFECTIVENESS OF FISCAL AND OTHER MEASURES TO MANAGE GREENHOUSE GAS EMISSIONS FROM THE AUTOMOBILE SECTOR: EVIDENCE FROM EUROPE

Lisa Ryan, UCD Dublin

Co-Author(s): Frank Convery, and Susana Ferreira, University College Dublin

WHAT EXPLAIN ATTITUDE TOWARDS TAX LEVELS? A MULTI TAX COMPARISON

Henrik Hammar, National Institute of Economic Research (Sweden)

Co-Author(s): Sverker C. Jagers, Dept of Political Science, Goteborg University and Katarina Nordblom, dept of Economics, Goteborg University

IS PRICING WATER AND TAXING FERTILIZER EFFECTIVE IN CONTROLLING THE INEFFICIENT USE OF WATER AND FERTILIZER IN CHINA? A FARMERS' PERSPECTIVE

Yongping Wei, The University of Melbourne

Co-Author(s): Brian Davidson, The University of Melbourne

**MOTOR FUEL TAXATION, ENERGY CONSERVATION, AND
ECONOMIC DEVELOPMENT: A REGIONAL APPROACH**

Richard W. England, University of New Hampshire, USA

16:15 - 18:00

8O: FISHERIES III

Room 553

Chairperson: Julio A. Peña-Torres, Dept. of Economics,
Univ. Alberto Hurtado

**REGULATING A COMMON-POOL RESOURCE WHEN
EXTRACTION COSTS ARE HETEROGENEOUS: FEES VERSUS
QUOTAS**

Stefan Ambec, INRA GAEL Grenoble

Co-Author(s): CARINE SEBI, INRA GAEL

**PARTICIPATION IN A LIMITED-ENTRY FISHERY: AN OPTIONS
APPROACH**

Valentina Bosetti, FEEM

Co-Author(s): David Tomberlin, NOAA

**THE IMPACT OF FISHERIES REGULATIONS ON FLEET
EMPLOYMENT. AN APPLICATION TO PELAGIC FISHERIES IN
CENTRAL-SOUTHERN CHILE**

Jorge Dresdner, Universidad de Concepcion

**INFORMAL MARKETS AND VERTICAL CONTROL:
BROKERABLE OF PERISHABLE PRODUCTION**

Julio A. Peña-Torres, Dept. of Economics, Univ. Alberto Hurtado

16:15 - 18:00

8P: GENETICALLY MODIFIED FOOD

Room 554

Chairperson: Ekin Birol, University of Cambridge

**LATENT MARKET SEGMENTATION ANALYSIS OF THE
DEMAND FOR GM DERIVED FOODS: IMPLICATIONS FOR THE
EU'S GM LABELLING REGIME.**

Mitsuyasu Yabe, kyushu University

Co-Author(s): Andreas Kontoleon, Department of Land Economy,
University of Cambridge

**GOVERNING THE CO-EXISTENCE OF GM CROPS: EX-ANTE
REGULATION AND EX-POST LIABILITY UNDER
UNCERTAINTY AND IRREVERSIBILITY**

Justus Wesseler, Wageningen University

Co-Author(s): Volker Beckmann, Humboldt University and Claudio
Soregaroli,

**ESTIMATING MEXICAN FARMERS' VALUATION OF MILPA
DIVERSITY AND GENETICALLY MODIFIED MAIZE: A CHOICE
EXPERIMENT APPROACH**

Ekin Birol, University of Cambridge

Co-Author(s): Eric Rayn Villalba, University College London

16:15 - 18:00

8Q: NUCLEAR POWER

Room K

Chairperson: Takaaki Kato, Tokyo Institute of
Technology

**A THEORETICALLY-CONSISTENT EMPIRICAL MODEL OF
NON-EXPECTED UTILITY: AN APPLICATION TO**

NUCLEAR-WASTE TRANSPORT

Mary Riddel, University of Nevada, Las Vegas

Co-Author(s): W. Douglass Shaw, Texas A&M

**EFFECTIVENESS OF COMPENSATION FOR THE RISK OF
LIVING NEAR A NUCLEAR POWER STATION: A NATURAL
EXPERIMENT**

Takaaki Kato, Tokyo Institute of Technology

WINNERS, LOSERS, AND THE NUCLEAR-WASTE DILEMMA

Mary Riddel, University of Nevada, Las Vegas

Co-Author(s): R. Keith Schwer, University of Nevada, Las Vegas

19:00 - 21:00

**SOCIAL EVENT: AN EVENING WITH TRADITIONAL JAPANESE
SUMMER NIGHT ENTERTAINMENT**

19:00 - 21:00

**SOCIAL EVENT: AN EVENING WITH TRADITIONAL
JAPANESE SUMMER NIGHT ENTERTAINMENT**

Room Swan

Chairperson:

FRIDAY 7 JULY 2006

08:45 - 10:30 PARALLEL SESSIONS 09

08:45 - 10:30 **SYMPOSIUM SESSION: 9A: THE ENVIRONMENT INDUSTRY** Room B-2
Chairperson: Bernard Sinclair-Desgagné, HEC Montréal
Organizer: Bernard Sinclair-Desgagné, HEC Montréal

THE PIGOUVIAN TAX RULE IN THE PRESENCE OF AN ECO-INDUSTRY

Bernard Sinclair-Desgagné, HEC Montréal

ENVIRONMENTAL TAXATION AND THE STRUCTURE OF THE ECO-INDUSTRY

Alain-Désiré Nimubona, Institute of Applied Economics, HEC Montréal

Co-Author(s): Maia David, UMR INRA-INAPG Economie Publique and Bernard Sinclair-Desgagné, HEC Montréal

ENVIRONMENTAL TAXATION AND INTERNATIONAL ECO-INDUSTRIES

Joan Canton, Laboratoire GREQAM, Marseille, FRANCE

REVISITING THE ENVIRONMENTAL SUBSIDY

Maia David, UMR INRA-INAPG Economie Publique

Co-Author(s): Bernard Sinclair-Desgagné, HEC Montréal

08:45 - 10:30 **SYMPOSIUM SESSION: 9B: GAME-THEORETIC APPROACHES TO CLIMATE-POLICY ANALYSIS** Room C-2
Chairperson: Barbara Buchner, Fondazione Eni Enrico Mattei
Organizer: Barbara Buchner, Fondazione Eni Enrico Mattei

PARALLEL CLIMATE BLOCS. INCENTIVES TO COOPERATION IN INTERNATIONAL CLIMATE NEGOTIATIONS

Barbara Buchner, Fondazione Eni Enrico Mattei

Co-Author(s): Carlo Carraro, University of Venice

IMPACT OF RENEGOTIATIONS ON THE STABILITY OF INTERNATIONAL CLIMATE AGREEMENTS

Rob Dellink, Wageningen University

Co-Author(s): Ekko van Ierland, Wageningen University and Hans-Peter Weikard, Wageningen University

THE SAMUELSON RULE AND SIDE PAYMENTS IN EFFICIENT PROVISION OF STOCK EXTERNALITIES

Zili Yang,

08:45 - 10:30 **SYMPOSIUM SESSION: 9C: ASSESSING THE SOCIAL CAPACITY FOR ENVIRONMENTAL MANAGEMENT: TOWARDS EFFECTIVE ENVIRONMENTAL COOPERATION IN ASIA (HIROSHIMA UNIVERSITY COE SESSION)** Room B-1

Chairperson: Shunji Matsuoka, Hiroshima University
Organizer: Shunji Matsuoka, Hiroshima University

CAPACITY DEVELOPMENT AND SOCIAL CAPACITY ASSESSMENT (SCA) INTRODUCTION

Shunji Matsuoka, Hiroshima University

ELABORATING THE AID POLICY: TOWARD SOCIAL CAPACITY DEVELOPMENT FOR ENVIRONMENTAL MANAGEMENT IN ASIA

Hideki Fuchinoue, Hiroshima University

Co-Author(s): Shunji Matsuoka, Hiroshima University

DEVELOPMENT STAGES MODEL OF SOCIAL CAPACITY FOR ENVIRONMENTAL MANAGEMENT

Metin Senbil, Hiroshima University

Co-Author(s): Shunji Matsuoka, Hiroshima University and Yoshi Takahashi, Hiroshima University

AN EMPIRICAL STUDY OF THE METHODOLOGY FOR ASSESSING SOCIAL CAPACITY : THE CASE OF URBAN AIR QUALITY MANAGEMENT

Kazuma Murakami, Hiroshima University

EFFICIENCY-BASED INDICATOR DEVELOPMENT: AN APPLICATION TO THE SOCIAL CAPACITY FOR ENVIRONMENTAL MANAGEMENT IN ASIA

Katsuya Tanaka, Hiroshima University

Co-Author(s): Hebin Lin, Hiroshima University

08:45 - 10:30

9D: AGRICULTURE II

Room F

Chairperson: Vishwambhar Prasad Sati, Eritrea
Institute of Technology, Asmara, Eritrea, N. E. Africa

RELAXING CONSTRAINTS WITH COMPENSATION: EVALUATING OFF-FARM LABOR RESPONSES TO REFORESTATION POLICY IN CHINA

Pauline Grosjean, University of Toulouse

Co-Author(s): Ben Groom, School of Oriental and African Studies, Univ. London, Andreas Kontoleon, Department of Land Economy, University of Cambridge, Tim Swanson, University College London and Shiqiu Zhang, College of Environmental Sciences, Beijing University

GLOBALIZATION AND THE POVERTY-ENVIRONMENT LINK IN ASIAN AGRICULTURE

Ian Coxhead, University of Wisconsin

ALTERNATIVE SOIL FERTILITY MANAGEMENT OPTIONS IN MALAWI: AN ECONOMIC ANALYSIS

Hardwick Tchale, College of Agriculture, University of Malawi

Co-Author(s): Johannes Sauer, Institute for Food and Resource Economics, Royal Veterinary and Agricultural University Copenhagen

SUSTAINABLE HORTICULTURAL FARMING IN THE MOUNTAIN REGIONS - A CASE FOR THE PINDAR BASIN OF CENTRAL HIMALAYA

Vishwambhar Prasad Sati, Eritrea Institute of Technology, Asmara, Eritrea, N. E. Africa

08:45 - 10:30	9E: CLIMATE CHANGE II Chairperson: Stephane Hallegatte, CESP / ENPC	Room E
	DO INTENSITY TARGETS CONTROL UNCERTAINTY BETTER THAN QUOTAS? CONDITIONS, CALIBRATIONS AND CAVEATS Franck Lecocq, Laboratory of Forestry Economics and ROBERT MARSCHINSKI, Potsdam Institute for Climate Impact Research GLOBAL WARMING: TO BELIEVE OR NOT TO BELIEVE? Ram Ranjan, University of Florida COMBINING TOP-DOWN AND BOTTOM-UP IN ENERGY POLICY ANALYSIS: A DECOMPOSITION APPROACH Christoph Böhringer, Centre for European Economic Research WHY ECONOMIC GROWTH MATTERS IN ASSESSING CLIMATE CHANGE DAMAGES: ILLUSTRATION ON EXTREME EVENTS Stephane Hallegatte, CESP / ENPC Co-Author(s): Jean-Charles Hourcade, CIRED/CNRS	
08:45 - 10:30	9F: DISTRIBUTIONAL CONCERNS Chairperson: Douglas Noonan, Georgia Institute of Technology	Room G
	DISTRIBUTIONAL EFFECTS OF ENVIRONMENTAL REGULATION IN THE CZECH REPUBLIC Milan Scasny, Charles University Environmental Center Co-Author(s): Jan Bruha, Charles University Environment Center THE INCOME-POLLUTION RELATIONSHIP AND THE ROLE OF INCOME DISTRIBUTION EVIDENCE FROM SWEDISH HOUSEHOLD DATA Tarek Ghalwash, department of economic-Umea university-Sweden Co-Author(s): Runar Brännlund, Department of Economics, Umeå University WEALTH HETEROGENEITY AND ESCAPE FROM POVERTY-ENVIRONMENT TRAP Masako Ikefuji, Graduate School of Economics, Osaka University Co-Author(s): Ryo Horii, Graduate School of Economics, Osaka University SUPERFUND, HEDONICS, AND THE SCALES OF ENVIRONMENTAL JUSTICE Douglas Noonan, Georgia Institute of Technology Co-Author(s): Brett Baden, Tufts University and Rama Mohana Turaga, Georgia Institute of Technology	
08:45 - 10:30	9G: NON-RENEWABLE RESOURCES Chairperson: Therese Lindahl, The Beijer International institute of Ecological economics	Room H
	MUDDY WATERS: SOIL EROSION AND DOWNSTREAM EXTERNALITIES Anders Ekblom, Department of Economics, Göteborg University	

Co-Author(s): Gardner Brown, University of Washington

RULE OF LAW AND THE RESOURCE CURSE: ABUNDANCE VERSUS INTENSITY

Catherine S. Norman, The Johns Hopkins University

NATURAL RESOURCE ABUNDANCE AND ECONOMIC GROWTH IN LATIN AMERICA

Mario Fernandez, Escuela Superior Politecnica del Litoral

IGNORANT EXPLOITATION OF A COMMON RESOURCE

Therese Lindahl, The Beijer International institute of Ecological economics

08:45 - 10:30

9H: NON-TIMBER FOREST PRODUCTS II

Room I

Chairperson: Raul Brey, Pablo de Olavide University

SPATIAL AND TEMPORAL MODELING OF COMMUNITY NON-TIMBER FOREST EXTRACTION

Elizabeth JZ Robinson, University of Oxford

Co-Author(s): Heidi J. Albers, Oregon State University and Jeffrey C. Williams, University of California - Davis

VOLUNTARY AGREEMENTS IN PROTECTING PRIVATE OWNED FORESTS IN FINLAND- TO BUY OR TO LEASE?

Artti Juutinen, Department of Economics, University of Oulu

Co-Author(s): Erkki Mäntymaa, Department of Economics, University of Oulu, Mikko Mönkkönen, Department of Biological and Environmental Science, University of Jyväskylä and Rauli Svento, Department of Economics, University of Oulu

INVENTORYING NATURAL CAPITAL VALUES OF TROPICAL RAINFORESTS: NON-TIMBER FOREST PRODUCTS

Suren Batagoda, Environment and Economic Consultancy Service (EECS)

Co-Author(s): R.K. Turner, Centre for Social and Economic Research on

ESTIMATION OF FOREST VALUES USING THE CONTINGENT GROUPING METHOD

Raul Brey, Pablo de Olavide University

Co-Author(s): Joan Mogas, Rovira i Virgili University and Pere Riera, Department of Applied Economics, Autonomous University of Barcelona, E-08193 Bellaterra, Spain.

08:45 - 10:30

9I: TRADE AND THE ENVIRONMENT II

Room J

Chairperson: Kakali Mukhopadhyay, CDEP, INDIAN INSTITUTE OF MANAGEMENT CALCUTTA

HAVE COUNTRIES WITH LAX ENVIRONMENTAL REGULATIONS A COMPARATIVE ADVANTAGE IN POLLUTING INDUSTRIES?

Miguel Quiroga, EEU, Department of Economics, University of Gothenburg, Sweden & Department of Economics, University of Concepcion, Chile

Co-Author(s): Martin Persson, Department of Physical Resource Theory, Chalmers University of Technology, Sweden and Thomas Sterner, University of Göteborg

**INCREASING TRADE OF RECYCLABLES AND RELEVANT
POLICY PRINCIPLES**

Kazuhiro Okuma, Ministry of the Environment, JAPAN

**THE ENVIRONMENTAL EFFECTS OF FREE TRADE
AGREEMENTS: A DYNAMIC CGE ANALYSIS FOR CHILE**

Raul O'Ryan, Industrial Engineering Department , University of
Chile

**POLLUTION HAVENS OR FACTOR ENDOWMENTS: A STUDY
ON THAILAND**

Kakali Mukhopadhyay, CDEP, INDIAN INSTITUTE OF
MANAGEMENT CALCUTTA

08:45 - 10:30

9J: VALUATION: THEORETICAL CONTRIBUTIONS

Room 501

Chairperson: Olvar Bergland, Norwegian University of
Life Sciences

**THE EVALUATION OF NONMARKET GOODS: RECOVERING
PREFERENCES IN HOUSEHOLD PRODUCTION MODELS**

Udo Ebert, University of Oldenburg

**ROBUST BENEFIT TRANSFER FUNCTION: A BAYESIAN
MODEL AVERAGING APPROACH**

Roberto Leon Gonzalez, University of Leicester

Co-Author(s): Riccardo Scarpa, University of Waikato, Economics
Dpt

**BENEFIT TRANSFER: A HIERARCHICAL BAYESIAN
APPROACH**

Olvar Bergland, Norwegian University of Life Sciences

08:45 - 10:30

9K: FORESTRY IN DEVELOPING COUNTRIES II

Room K

Chairperson: Randall Bluffstone, Portland State
University

**WILLINGNESS TO PAY FOR IMPROVED WATERSHED
MANAGEMENT: THE CASE OF HOUSEHOLDS IN METRO
MANILA, THE PHILIPPINES**

Margaret Calderon, University of the Philippines Los Baños

Co-Author(s): Leni Camacho, UP Los Baños, Myrna Carandang,
UP Los Baños, Josefina Dizon, UP Los Baños, Lucrecio Rebugio,
UP Los Baños and Noel Tolentino, UP Los Baños

**AGRICULTURAL SUBSIDIES AND FOREST PRESSURE IN
MALAWI'S MIOMBO WOODLANDS**

Gerald Shively, Department of Agricultural Economics, Purdue
University

Co-Author(s): Monica Fisher, Department of Geography, University
of South Carolina

**CHINA'S SLOPING LAND CONVERSION PROGRAM: DOES
EXPANSION EQUAL SUCCESS?**

Michael Bennett, Visiting Scholar, Center for Chinese Agricultural
Policy, IGSNRR, CAS

Co-Author(s): Ran Tao, The Institute of Chinese Studies, University
of Oxford, Zhigang Xu, Center for Chinese Agricultural Policy,
IGSNRR. CAS and Jintao Xu, Deputy Director, Center for Chinese
Agricultural Policy, IGSNRR, CAS

DOES BETTER COMMON PROPERTY FOREST MANAGEMENT PROMOTE ON-FARM TREE PLANTING AND TECHNOLOGY ADOPTION? EVIDENCE FROM BOLIVIA

Randall Bluffstone, Portland State University

Co-Author(s): Marco Boscolo, Harvard University and Ramiro Molina, University of Cordillera

08:45 - 10:30

9L: ENVIRONMENTAL RISKS II

Room 509

Chairperson: Margherita Turvani, University of Venice-IUAV

ECONOMIC VALUATION OF FLOOD RISK EXPOSURE AND FLOOD CONTROL IN A SEVERELY FLOOD PRONE DEVELOPING COUNTRY

Roy Brouwer, Institute for Environmental Studies

Co-Author(s): Sonia Aftab, North South University, Luke Brander, Institute for Environmental Studies and Enamul Haque, Economic Research Group

THEORETICAL ARGUMENTS FOR RISK MANAGEMENT THROUGH COMMUNITY-BASED WILDLIFE CONSERVATION AND WILDLIFE DAMAGE INSURANCE IN ZIMBABWE

Edwin Muchapondwa, University of Cape Town

Co-Author(s): Thomas Sterner, University of Göteborg

PROPORTIONALITY OF WILLINGNESS TO PAY TO SMALL RISK CHANGES - THE IMPACT OF ATTITUDINAL FACTORS IN SCOPE TESTS

Andrea Leiter, alpS - Center for Natural Hazard Management/University of Innsbruck

Co-Author(s): Gerald J. Pruckner, University of Innsbruck

PUBLIC SUPPORT FOR POLICIES ADDRESSING CONTAMINATED SITES: EVIDENCE FROM A SURVEY OF THE ITALIAN PUBLIC

Margherita Turvani, University of Venice-IUAV

Co-Author(s): Anna Alberini, AREC, University of Maryland and FEEM, Venice, Aline Chiabai, Fondazione Eni Enrico Mattei and Stefania Tonin, University of Venice-IUAV

08:45 - 10:30

9M: POVERTY

Room 553

Chairperson: Nicholas Nwanyek Ngepah, International Center for Economic Research; University of Yaounde II-Soa

RURAL POVERTY AND FUELWOOD CONSUMPTION: EVIDENCE FROM LABAGOU MEN TOWNSHIP (CHINA)

Sylvie Demurger, HIEBS (Hong Kong) & CNRS (France)

Co-Author(s): Martin Fournier, CEFC

WAR-INDUCED TRANSIENT POVERTY AND ENVIRONMENTAL DEGRADATION: EVIDENCE FROM BURKINA FASO, WEST AFRICA

Takeshi Sakurai, Policy Research Institute

Co-Author(s): Kimseyinga Savadogo, University of Ouagadougou

POVERTY AND THE ENVIRONMENT: EXPLORING THE RELATIONSHIP BETWEEN HOUSEHOLD INCOMES, PRIVATE

ASSETS AND NATURAL ASSETS

Urvashi Narain, Resources for the Future and Klaas van 't Veld,
University of Wyoming

Co-Author(s): Shreekant Gupta, Delhi School of Economics

08:45 - 10:30

9N: INTERJURISDICTIONAL COMPETITION

Room 554

Chairperson: Thomas Kuhn, University of Chemnitz

ARE NIMBY'S COMMUTERS?

Bert Saveyn, Catholic University Leuven

**SPATIAL INTERACTION IN WASTE MANAGEMENT AND
POLICY-MAKING**

Katia Karousakis, University College London

**LOCAL INCOME TAXATION AND LOW-DENSITY FISCAL
ZONING**

Joshua Templeton, U.S. Environmental Protection Agency

**ON ENVIRONMENTAL POLICIES OF LOCAL GOVERNMENTS
IN A FEDERATION WITH EQUALIZING GRANTS, MOBILE
CAPITAL, AND ASYMMETRIC INFORMATION**

Thomas Kuhn, University of Chemnitz

Co-Author(s): Martin Altemeyer-Bartscher, University of Chemnitz

08:45 - 10:30

**9O: ECONOMIC GROWTH AND THE
ENVIRONMENT III**

Room C-1

Chairperson: Christian Groth, University of
Copenhagen

**CURSING THE BLESSINGS? NATURAL RESOURCE
ABUNDANCE, INSTITUTIONS, AND ECONOMIC GROWTH**

Christa Brunnschweiler, ETH Zurich / University of Zurich

PUBLIC BADS, GROWTH AND WELFARE

Hirofumi Shibata, Osaka U. & Ritsumeikan Asia Pacific U.

Co-Author(s): Toshihiro Ihori, Professor, University of Tokyo

**STATUS-SEEKING, GROWTH AND ENDOGENOUS
ENVIRONMENTAL AND ECONOMIC POLICIES**

Thi Kim Cuong PHAM, CERDI

Co-Author(s): PHU NGUYEN VAN, THEMA-CNRS, Universite de
Cergy-Pontoise

GROWTH AND NON-RENEWABLE RESOURCES REVISITED

Christian Groth, University of Copenhagen

10:30 - 11:00

COFFEE BREAK

11:00 - 12:30

PLENARY SESSION

11:00 - 12:30

**PLENARY 4: BUSINESS AND ENVIRONMENTAL
RESPONSIBILITY**

Room Main Hall

Chairperson: Eiji Hosoda, Keio University

BUSINESS AND ENVIRONMENTAL RESPONSIBILITY
Geoffrey M Heal, Columbia Business School

12:30 - 14:00	LUNCH	
12:30 - 14:00	EDE EDITORIAL BOARD MEETING (BY INVITATION ONLY)	
12:30 - 14:00	EDE EDITORIAL BOARD MEETING (BY INVITATION ONLY) Chairperson: Anastasios Xepapadeas, University of Crete and President of EAERE	Room K
14:00 - 15:45	PARALLEL SESSIONS 10	
14:00 - 15:45	SYMPOSIUM SESSION: 10A: MANAGING NATURAL RESOURCES FOR GROWTH AND POVERTY REDUCTION IN SOUTH ASIA Chairperson: Amita Shah, Gujarat Institute of Development Research Organizer: Amita Shah, Gujarat Institute of Development Research and Priya Shyamsundar,	Room B-2
	LOCAL INSTITUTIONS AND FOREST PRODUCTS EXTRACTION: EVIDENCE FROM FOREST MANAGEMENT IN NEPAL Arun Khatri-Chhetri, IDEC, Hiroshima University LAND DEGRADATION AND MIGRATION IN A DRY LAND REGION IN INDIA Amita Shah, Gujarat Institute of Development Research COMMON POOL RESOURCES AS DEVELOPMENT DRIVERS: A STUDY OF NTFPS IN HIMACHAL PRADESH, INDIA Purnamita Dasgupta, Institute of Economic Growth, Delhi, India CAN PARTICIPATORY WATERSHED MANAGEMENT BE SUSTAINED? EVIDENCE FROM SOUTHERN INDIA Suresh Kumar Devarajulu, TAMIL NADU AGRICULTURAL UNIVERSITY	
14:00 - 15:45	SYMPOSIUM SESSION: 10B: VALUATION OF ENVIRONMENTAL HEALTH RISKS TO CHILDREN Chairperson: William Wheeler, Organizer: William Wheeler,	Room C-1
	OVERVIEW OF U.S. EPA ACTIVITIES RELATING TO CHILDREN'S HEALTH VALUATION William Wheeler,	

Co-Author(s): Chris Dockins, U.S. EPA, NCEE and nathalie simon,
ALTRUISM AND ENVIRONMENTAL RISKS TO HEALTH OF CHILDREN AND THEIR PARENTS

Shelby Gerking,

Co-Author(s): Mark Dickie, Department of Economics

VALUING CANCER RISK REDUCTIONS: DO AGE OF EXPOSURE AND LATENCY MATTER?

nathalie simon,

Co-Author(s): Chris Dockins, U.S. EPA, NCEE

14:00 - 15:45

10C: INTERNATIONAL ENVIRONMENTAL AGREEMENTS II

Room C-2

Chairperson: Sylvie Thoron, IAS/GREQAM

EVALUATION OF INTERNATIONAL VOLUNTARY PROTOCOLS USING PROGRAM EVALUATION AND PLACEBO PROTOCOLS.

Sigve Tjøtta, University of Bergen

Co-Author(s): Arild Aakvik, University of Bergen

HOW THE DESIGN OF INTERNATIONAL ENVIRONMENTAL AGREEMENTS AFFECTS THE INVESTMENT IN ENVIRONMENTALLY FRIENDLY TECHNOLOGIES?

Basak Bayramoglu, PSE and CES Université Paris 1

INTERTEMPORAL WELFARE FUNCTION, NEGOTIATION MANDATES AND THE PROVISION OF LONG-TERM PUBLIC GOODS

Franck Lecocq, Laboratory of Forestry Economics

Co-Author(s): Jean-Charles Hourcade, CIRED/CNRS

NEGOTIATING ENVIRONMENTAL TREATIES: CONSEQUENCES OF PUTTING THE CART BEFORE THE HORSE

Sylvie Thoron, IAS/GREQAM

14:00 - 15:45

10D: POLITICAL ECONOMY II

Room E

Chairperson: Bernardo Mueller, Dept. of Economics, University of Brasilia

POLITICAL ECONOMY AND IRRIGATION TECHNOLOGY ADOPTION IMPLICATIONS OF WATER PRICING UNDER ASYMMETRIC INFORMATION

Chokri Dridi, University of Alberta

Co-Author(s): Madhu Khanna, University of Illinois at Urbana-Champaign

THE POLITICAL ECONOMY OF POLICY ADOPTION: STATE-LEVEL NATURAL RESOURCE DAMAGE PROGRAMS

Wallapak Polasub, Department of Economics, Kasetsart University

Co-Author(s): Amy Ando, University of Illinois at Urbana-Champaign

AGRICULTURAL EXPANSION, INTEREST GROUPS AND DEFORESTATION IN MAURITIUS: A DYNAMIC APPROACH

Riad Sultan, University of Mauritius

Co-Author(s): James Benhin, CEEPA, University of Pretoria

WHO ENFORCES ENFORCEMENT?: CAN PUBLIC PROSECUTORS IN BRAZIL BREAK THE ENDLESS REGRESS?

Bernardo Mueller, Dept. of Economics, University of Brasilia

14:00 - 15:45	10E: R&D AND TECHNOLOGICAL DEVELOPMENT II Chairperson: William Barnes, Assistant Professor, Economics, University of Portland	Room F
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MEASURING ENERGY PRICE INDUCED TECHNOLOGICAL CHANGE: A GLOBAL ANALYSIS USING DIRECTIONAL DISTANCE FUNCTION

Surender Kumar, TERI School of Advanced Studies

THE DIRECTION OF TECHNICAL CHANGE IN CAPITAL-RESOURCE ECONOMIES

Simone Valente, ETH Zurich

Co-Author(s): Corrado Di Maria, Tilburg University

CLEAN TECHNOLOGY AND REVERSE LOGISTICS ADOPTION IN THE STEEL INDUSTRY

William Barnes, Assistant Professor, Economics, University of Portland

Co-Author(s): Kanwalroop Kathy Dhanda, and Mark Meckler, University of Portland

14:00 - 15:45	10F: RECREATIONAL ACTIVITIES II Chairperson: Luke Brander, Institute for Environmental Studies	Room K
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THE IMPACT OF SPEED LIMITS ON RECREATIONAL BOATING IN THE LAGOON OF VENICE

Valentina Zanatta, DICAS Politecnico di Torino and Fondazione Eni Enrico Mattei

Co-Author(s): Anna Alberini, AREC, University of Maryland and FEEM, Venice, Dimitrios Reppas, AREC Dept. - University of Maryland and Paolo Rosato, DIC - Università di Trieste e Fondazione ENI Mattei

VALUATION OF NATURAL RECREATIONAL SITES : THE CONTINGENT TRAVEL COST METHOD

Gildas Appéré, CEDEM - University of Western Brittany

VALUING A WATER RECREATION FACILITY USING SEMI PARAMETRIC ESTIMATORS IN THE TRAVEL COST METHOD

Jaime Torres Mónica Marcela, Universidad de Concepción

Co-Author(s): Alejandro Tudela Román, Civil Engineering Department, Universidad de Concepcion

THE RECREATIONAL VALUE OF CORAL REEFS: A META-ANALYSIS

Luke Brander, Institute for Environmental Studies

Co-Author(s): Herman Cesar, Institute for Environmental Studies and Pieter van Beukering, Institute for Environmental Studies

14:00 - 15:45	10G: RENEWABLE ENERGY II Chairperson: Ujjayant Chakravorty, University of	Room G
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**WILLINGNESS TO PAY FOR REDUCED VISUAL DISAMENITIES
FROM OFF-SHORE WIND FARMS IN DENMARK**

Jacob Ladenburg, Ph.d. student, Institute of Food and Resource Economics, The Royal Veterinary and Agricultural University, Denmark

Co-Author(s): Alex Dubgaard, Institute of Food and Resource Economics, The Royal Veterinary and Agricultural University

**RENEWABLE ENERGY AND MACROECONOMIC EFFICIENCY
OF OECD AND NON-OECD ECONOMIES**

Taichen Chien, National Chiao Tung University

Co-Author(s): Jin-li Hu, National Chiao Tung University

**PRODUCING FOOD AND CLEAN ENERGY: LAND IN A
HOTELLING MODEL**

Ujjayant Chakravorty, University of Central Florida and Michel Moreaux, Université de Toulouse 1 (IUF, IDEI and LERNA)

Co-Author(s): Bertrand MAGNE, University of Toulouse 1 (CEA and LERNA)

14:00 - 15:45

10H: VALUING LIVES

Room H

Chairperson: Aline Chiabai, Fondazione Eni Enrico Mattei

**LABOR MARKET ESTIMATES OF THE SENIOR DISCOUNT
FOR THE VALUE OF STATISTICAL LIFE**

Joseph Aldy, Resources for the Future

Co-Author(s): W. Kip Viscusi, Harvard Law School

VALUE OF A STATISTICAL LIFE – CASE OF POLAND

Marek Giergiczny, Warsaw University

INDIVIDUATED VSLS AND THE DEAD ANYWAY HYPOTHESIS

Mary Evans, University of Tennessee

Co-Author(s): Kerry Smith, North Carolina State University

**DISCOUNT RATES IN RISK V. MONEY AND MONEY V. MONEY
TRADEOFFS**

Aline Chiabai, Fondazione Eni Enrico Mattei

Co-Author(s): Anna Alberini, AREC, University of Maryland and FEEM, Venice

14:00 - 15:45

10I: WATER: IRRIGATION II

Room I

Chairperson: Karina Schoengold, University of Nebraska

**THE ALBERTA DILEMMA: OPTIMAL SHARING OF A WATER
RESOURCE BY AN AGRICULTURAL AND AN OIL SECTOR**

Gérard Gaudet, Université de Montréal

Co-Author(s): Michel Moreaux, Université de Toulouse 1 (IUF, IDEI and LERNA) and Cees Withagen, Department of Economics, University of Tilburg and CENTER, Tilburg

**ANALYSIS OF THE ADOPTION OF IRRIGATION
TECHNOLOGIES UNDER UNCERTAIN WATER AVAILABILITY**

Javier Calatrava - Leyva, Universidad Politécnica de Cartagena

Co-Author(s): Maria Jesus Escribano, IFAPA - Junta de Andalucía

**THE ECONOMICS OF TIERED PRICING, COST FUNCTIONS,
AND EQUITY IMPLICATIONS**

Karina Schoengold, University of Nebraska

Co-Author(s): David Zilberman, University of California at Berkeley

14:00 - 15:45

10J: GAME THEORY AND THE ENVIRONMENT II

Room J

Chairperson: Philippe Delacote, European University
Institute

GOOD REGULATORY MANDATES

Anthony Heyes, University of London

INFORMATIVE ADVERTISING BY ENVIRONMENTAL GROUPS

Pim Heijnen, University of Groningen

**MODELLING PARETO-EFFICIENT REDUCTION OF
TRANS-FRONTIER POLLUTION AS A NON-COOPERATIVE
GAME**

Andries Nentjes, University of Groningen

Co-Author(s): Serge Shibayev, London School of Economics (LSE)

ARE CONSUMER BOYCOTTS EFFECTIVE?

Philippe Delacote, European University Institute

14:00 - 15:45

**10K: GROUNDWATER: THEORETICAL
APPROACHES**

Room 501

Chairperson: Nicholas Brozovic, University of Illinois at
Urbana-Champaign

**CONSIDERING STRATEGIC AND STOCK EXTERNALITIES IN
COMMON PROPERTY GROUNDWATER MANAGEMENT
POLICIES**

Mahadev Bhat, Florida International University

Co-Author(s): Mahadev Bhat, Florida International University, M. G.
Chandrakanth, University of Agricultural Sciences and A. Rajendra,
University of Agricultural Sciences

GROUNDWATER USE UNDER INCOMPLETE INFORMATION

Jeffrey Peterson, Kansas State University

Co-Author(s): Alexander Saak, Kansas State University

**ECONOMIC OPTIMIZATION OF GROUNDWATER RESOURCES
OVER SPACE AND TIME**

Nicholas Brozovic, University of Illinois at Urbana-Champaign

Co-Author(s): David Sunding, University of California, Berkeley and
David Zilberman, University of California at Berkeley

14:00 - 15:45

10L: INNOVATION II

Room 509

Chairperson: Roger Wehrli, ETH Zurich

**ENVIRONMENTAL REGULATION AND INNOVATION THROUGH
THE FORMATION OF NETWORKS: THE DEVELOPMENT OF
LEAD-FREE SOLDERS IN JAPAN, EUROPE, AND THE UNITED
STATES**

Masaru Yarime, University of Tokyo

**THE INFLUENCE OF DIFFERENT CHARACTERISTICS OF THE
EU ENVIRONMENTAL MANAGEMENT AND AUDITING**

**SCHEME ON TECHNICAL ENVIRONMENTAL INNOVATIONS
AND ECONOMIC PERFORMANCE**

Klaus Rennings, Centre for European Economic Research (ZEW)
Co-Author(s): Kathrin Ankele, Institute for Ecological Economy
Research (IÖW), Esther Hoffmann, Institute for Ecological
Economy Research (IÖW) and Andreas Ziegler, Centre for
European Economic Research (ZEW)

**THE IMPORTANCE OF TECHNOLOGICAL CHANGE IN
CLIMATE POLICY ASSESSMENT**

Roger Wehrli, ETH Zurich
Co-Author(s): Gay Saxby, ETH Zurich

14:00 - 15:45

**10M: KYOTO EMISSION TRADING (NOMURA
HOLDINGS SESSION)**

Room B-1

Chairperson: Cathrine Hagem, Department of
Economics, University of Oslo

**SWEDISH INDUSTRY AND KYOTO - AN ASSESSMENT OF THE
EFFECTS OF THE EUROPEAN CO₂ EMISSION RIGHTS
TRADING SYSTEM**

Tommy Lundgren, Dept of Forest econ, SLU -UMEÅ, Sweden
Co-Author(s): Runar Brännlund, Department of Economics, Umeå
University

**LINKING EMISSIONS TRADING SCHEMES VERSUS "KYOTO"
TRADING: AN ECONOMIC IMPACT ASSESSMENT**

Niels Anger, Centre for European Economic Research (ZEW)
Co-Author(s): Christoph Böhringer, Centre for European Economic
Research

**DISTRIBUTIONAL CONSTRAINTS AND EFFICIENCY IN THE
TRADEABLE PERMIT MARKET.**

Cathrine Hagem, Department of Economics, University of Oslo
Co-Author(s): Hege Westskog, CICERO Oslo

14:00 - 15:45

10N: THEORY OF ENVIRONMENTAL POLICY III

Room 510

Chairperson: Matthieu Glachant, CERNA - Ecole des
Mines de Paris

**THE EFFECT OF JOINT AND SEVERAL LIABILITY UNDER
SUPERFUND ON BROWNFIELDS**

Howard F. Chang, University of Pennsylvania Law School
Co-Author(s): Hilary Sigman, Rutgers University

**OPTIMAL MANAGEMENT OF AN EUTROPHIED COASTAL
ECOSYSTEM: BALANCING AGRICULTURAL AND MUNICIPAL
ABATEMENT MEASURES**

Marita Laukkanen,
Co-Author(s): Anni Huhtala, MTT Agrifood Research Finland

**THE USE OF WARNINGS WHEN INTENDED AND MEASURED
EMISSIONS DIFFER**

Sandra Rousseau, K.U.Leuven

**THE ORGANIZATION OF EXTENDED PRODUCER
RESPONSIBILITY UNDER IMPERFECT COMPETITION**

Matthieu Glachant, CERNA - Ecole des Mines de Paris
Co-Author(s): Pierre Fleckinger, Ecole Polytechnique and INRA

14:00 - 15:45	100: ENVIRONMENTAL REGULATION AND THE FIRM Chairperson: Laura Onofri, Faculty of Economics, University of Bologna	Room 553
	INTEGRATED ENVIRONMENTAL PRODUCTS AND PROCESSES IN THE GERMAN AUTOMOTIVE INDUSTRY AND THEIR IMPACT ON COMPETITIVENESS Johann Wackerbauer, Ifo Institute for Economic Research Co-Author(s): Ursula Triebswetter, Ifo Institute for Economic Research DOES FORMAL OR INFORMAL ENVIRONMENTAL REGULATION HAVE AN IMPACT ON COST? AN EMPIRICAL ANALYSIS OF THE BRAZILIAN MANUFACTURING INDUSTRY. Arnaud Reynaud, LERNA-INRA, University of Toulouse OPERATIONAL COMPLEXITY, UNCERTAINTY AND ENVIRONMENTAL MANAGEMENT SYSTEM CERTIFICATION DECISIONS: JAPANESE MANUFACTURERS Masao Nakamura, University of British Columbia Co-Author(s): Takuya Takahashi, Univ. of Shiga Prefecture, School of Environmental Science TESTING WILLIAMSON THEORY ON TRANSACTION-SPECIFIC GOVERNANCE STRUCTURES: EVIDENCE FROM THE ELECTRICITY MARKETS Laura Onofri, Faculty of Economics, University of Bologna	
14:00 - 15:45	10P: CONTINGENT VALUATION: METHODOLOGICAL ASPECTS III Chairperson: Masahide Watanabe, Hall of Global Environmental Research, Kyoto University	Room 554
	THE DISCREPANCY BETWEEN UTILITY DIFFERENCE AND EXPENDITURE DIFFERENCE INTERPRETATION FOR THE DOUBLE-BOUNDED DISCRETE CHOICE CONTINGENT VALUATION RESPONSES Shou-Lin Yang, Department of Agricultural Economics, National Taiwan University Co-Author(s): Pei-Ing Wu, Dept. of Agricultural Economics, National Taiwan University STARTING POINT BIAS AND RESPONDENT UNCERTAINTY IN DICHOTOMOUS CHOICE CONTINGENT VALUATION SURVEYS Guillaume Hollard, Université de Marne la Vallée Co-Author(s): Flachaire Emmanuel, Université de Paris1 CONSISTENT ESTIMATION OF MEAN WTP IN DICHOTOMOUS CHOICE CONTINGENT VALUATION Masahide Watanabe, Hall of Global Environmental Research, Kyoto University Co-Author(s): Kota Asano, Graduate School of Human and Environmental Studies, Kyoto University	
15:45 - 16:15	COFFEE BREAK	

16:15 - 18:00

PARALLEL SESSIONS 11

16:15 - 18:00

11A: GEOGRAPHY AND THE ENVIRONMENT

Room B-2

Chairperson: Martin F. Quaas, UFZ - Center for Environmental Research Leipzig-Halle

BIODIVERSITY AND GEOGRAPHY

Michael Rauscher, Universitaet Rostock

Co-Author(s): Edward Barbier, University of Wyoming

SPATIAL PATTERNS OF BIODIVERSITY CONSERVATION IN A MULTIREGIONAL GENERAL EQUILIBRIUM MODEL

Florian Eppink, Institute for Environmental Studies, Vrije Universiteit Amsterdam

Co-Author(s): Cees Withagen, Department of Economics, University of Tilburg and CENTER, Tilburg

THE SPATIAL STRUCTURE OF RANGELAND SYSTEMS

Martin F. Quaas, UFZ - Center for Environmental Research Leipzig-Halle

16:15 - 18:00

11B: THEORY OF ENVIRONMENTAL POLICY IV

Room C-1

Chairperson: Sophie Legras, University of Montpellier 1 and Australian National University

ENVIRONMENTAL POLICY IN DYNAMIC MODELS: THE IMPACT OF THE ELASTICITY OF SUBSTITUTION IF CONSUMERS POLLUTE

Jens Barthel, Humboldt-Universität zu Berlin

GROUP REWARDS AND INDIVIDUAL SANCTIONS IN ENVIRONMENTAL POLICY

Dirk Rübbelke, Chemnitz University of Technology

Co-Author(s): Bouwe Dijkstra, University of Nottingham

THE USE OF MULTIPLE POLICY INSTRUMENTS FOR ENVIRONMENTAL PROTECTION: AN ECONOMIC PERSPECTIVE

Lori Bennear, Duke University

Co-Author(s): Robert Stavins, Harvard University

GROUP PERFORMANCE BASED INSTRUMENTS TO MANAGE ENVIRONMENTAL ISSUES : AN ANALYSIS IN THEORY AND PRACTICE

Sophie Legras, University of Montpellier 1 and Australian National University

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11C: WASTE MANAGEMENT AND RECYCLING III

Room C-2

Chairperson: Daisuke Numata, Kobe University, Japan
Society for the Promotion of Science

CONSUMER BEHAVIOR ON REPAIR-MAINTENANCE AND WASTE MANAGEMENT POLICY FOR DURABLE GOODS

Hideyuki Akaishi, Graduate School of Social Studies, Major of

Economics, Hosei University, Tokyo, JAPAN.

**EXPLAINING VARIATION IN AMENITY COSTS OF LANDFILL:
META-ANALYSIS AND BENEFIT TRANSFER**

Harry Walton, University of Bath

Co-Author(s): Richard Boyd, University of Bath, Anil Markandya,
University of Bath and Tim Taylor, University of Bath

**PROPOSAL OF HOUSEHOLD ECONOMY-ENVIRONMENT
ACCOUNTS BY HOUSEHOLD TYPE**

Yuko Kanamori, Graduate school of Engineering, Kyoto University

Co-Author(s): Yuzuru Matsuoka, Graduate school of Engineering,
Kyoto University

**ECONOMIC ANALYSIS OF DEPOSIT-REFUND SYSTEMS WITH
MEASURES FOR MITIGATING NEGATIVE IMPACTS ON
SUPPLIERS**

Daisuke Numata, Kobe University, Japan Society for the Promotion
of Science

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**DO EXPERIENCE AND CHEAP TALK INFLUENCE
WILLINGNESS TO PAY IN AN OPEN-ENDED CONTINGENT
VALUATION SURVEY?**

Peter Martinsson, department of economics, göteborg University

Co-Author(s): Fredrik Carlsson, Department of Economics,
Göteborg University

**MOTIVES FOR ANSWERING BEHAVIOR IN CONTINGENT
VALUATION: AN EXPERIMENTAL SURVEY FOR EVALUATING
THE MITIGATION OF GLOBAL WARMING IMPACTS**

Takaaki Kato, Tokyo Institute of Technology

Co-Author(s): Noboru Hidano, Tokyo Institute of Technology

**WILLINGNESS-TO-PAY ESTIMATION USING LIKELIHOOD
DATA WITH RANDOM VALUATION THEORY**

Hua Wang, World Bank

Co-Author(s): Jie He, Université d'Auvergne

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ENVIRONMENTAL EFFICIENCY**

Toyoaki Washida, Sophia University

**CGE ANALYSIS OF THE IMPACT OF A CARBON ENERGY TAX
ON THE IRISH ECONOMY**

Wiepke Wissema, Trinity College Dublin

Co-Author(s): Rob Dellink, Wageningen University

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Andreas Löschel, European Commission, DG Joint Research
Centre, Institute for Prospective Technological Studies (IPTS)

Co-Author(s): Vincent Otto, Joint Program on the Science and Policy of Global Change, MIT and John Reilly, Joint Program on the Science and Policy of Global Change, MIT

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Teddie Oliver Nakhumwa, University of Malawi, Bunda College of Agriculture

OPTIMAL SOIL MANAGEMENT AND ENVIRONMENTAL POLICY

Oueslati Walid, Department of Economics, National Institute of Horticulture

Co-Author(s): Lafforgue Gilles, LEERNA

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Anders Ekbom, Department of Economics, Göteborg University

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ALLOCATING PERMITS PROPORTIONAL TO CURRENT EMISSIONS IS NOT PARETO IMPROVING

Ronan CONGAR, Université de Rouen and CARE

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Ralf Löschel, Universität Karlsruhe (TH)

Co-Author(s): Karl-Martin Ehrhart, University of Karlsruhe and Christian Hoppe, University of Karlsruhe

CAPS AND SAFETY VALVES FOR EMISSIONS MARKETS UNDER UNCERTAINTY

Akira Maeda, Kyoto University

PRICE CAPS FOR INTERNATIONAL PERMIT TRADING UNDER UNCERTAINTY WITH HETEROGENEOUS MARKET PARTICIPANTS

Frank Jotzo, Australian National University

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Ruben Lubowski, USDA Economic Research Service

Co-Author(s): Michael Roberts, Economic Research Service - United States Department of Agriculture

PRIVATE PROVISION OF ENVIRONMENTAL SERVICES AND TRANSACTION COSTS: AGRO-ENVIRONMENTAL

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Geraldine Ducos, INRA

Co-Author(s): Pierre Dupraz, INRA

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Salvatore Di Falco, CSERGE- University of East Anglia, UK

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ECONOMIC INCENTIVES FOR ENTRY AND EXIT IN GUM ARABIC AGROFORESTRY SYSTEM IN SUDAN

Afaf Rahim, Environmental Economics and Natural Resources

Co-Author(s): Ekko, C. van Ierland, Wageningen University and Justus Wesseler, Wageningen University

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11I: ECONOMIC GROWTH AND THE ENVIRONMENT IV

Room I

Chairperson: Gang Liu, Statistics Norway

RELATIONSHIP BETWEEN ECONOMIC GROWTH AND WASTE MANAGEMENT: DYNAMIC WASTE INPUT-OUTPUT APPROACH

Kazuyo Yokoyama, Tohoku University

Co-Author(s): Shigemi KAGAWA, TOHOKU University

DIVERGENCE IN STATE-LEVEL PER CAPITA CARBON DIOXIDE EMISSIONS

Joseph Aldy, Resources for the Future

A CAUSALITY ANALYSIS ON GDP AND AIR EMISSIONS IN NORWAY

Gang Liu, Statistics Norway

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11J: ENERGY MARKETS

Room J

Chairperson: Massimo Filippini, Swiss federal Institute of Technology (ETHZ) and USI

THE RATIONALITY OF ENERGY FORECASTS BY THE UNITED STATES ENERGY INFORMATION ADMINISTRATION UNDER SYMMETRIC AND ASYMMETRIC LOSS

Maximilian Auffhammer, University of California, Berkeley

ESTIMATION OF THE REBOUND EFFECTS DUE TO AN IMPROVEMENT OF ENERGY EFFICIENCY F JAPANESE HOUSEHOLD CONSUMPTION AND EMISSION

Mizobuchi Ken-ichi, Graduate School of Economics, Kobe University

DECOMPOSITION ANALYSIS OF ENERGY CONSUMPTION AND CARBON EMISSIONS IN DEVELOPING ECONOMIES

Amapola Generosa, Kyushu University

Co-Author(s): Toshiyuki Fujita, Kyushu University

FUEL CHOICES IN URBAN INDIAN HOUSEHOLDS

Massimo Filippini, Swiss federal Institute of Technology (ETHZ) and USI

Co-Author(s): Mehdi Farsi, ETH Zurich (Swiss Federal Institute of Technology) and Shonali Pachauri,

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ENVIRONMENTAL DETERMINANTS OF CHILD MORTALITY IN

KENYA

Clive J. Mutunga, Kenya Institute for Public Policy Research and Analysis (KIPPRA)

IS THERE A ROLE FOR THE UNITARY MODEL OF HOUSEHOLD DECISION MAKING WITH RESPECT TO CHILD SAFETY IN A TRADITIONAL FAMILY SETTING?

Claire Cockeril, Queen's University Belfast

Co-Author(s): Susan Chilton, University of Newcastle and George. Hutchinson, Queen's University Belfast

AVERTING BEHAVIOUR AND PARENTAL ALTRUISM IN INFANT MORBIDITY VALUATION: A CV SURVEY IN THE CZECH REPUBLIC

Marketa Braun Kohlova, Charles University Environment Center

Co-Author(s): Milan Scasny, Charles University Environmental Center

16:15 - 18:00

11N: CLIMATE CHANGE POLICIES

Room E

Chairperson: Kenju Akai, Osaka University

SOCIAL WELFARE FUNCTIONS IN GLOBAL CLIMATE-ECONOMY MODELS: METHODOLOGICAL INCONSISTENCIES AND THEIR POLICY IMPLICATIONS

Hans-Martin Fuessel, Stanford University

GLOBAL WARMING POTENTIAL, OPTIMAL ABATEMENT TARGETS, AND THE DESIGN OF CLIMATE POLICY

Stephane De Cara, INRA UMR Economie Publique INRA/INAPG

Co-Author(s): Elodie Debove, INRA UMR Economie Publique INRA/INAPG and Pierre-Alain Jayet, INRA UMR Economie Publique INRA/INAPG

MEASURING THE EFFICIENCY COSTS OF TRANSITIONAL CLIMATE POLICIES

Christoph Böhringer, Centre for European Economic Research

Co-Author(s): Ulf Moslener, ZEW, Centre for European Economic Research

DESIGNING DOMESTIC INSTITUTION TO COPE WITH GLOBAL WARMING WITH LABORATORY EXPERIMENTS

Kenju Akai, Osaka University

Co-Author(s): Takao Kusakawa, Hiroshima Shudo University and Tatsuyoshi Saijo, Osaka University

16:15 - 18:00

11O: ENVIRONMENTAL PLANNING

Room 553

Chairperson: Miroslav Tomin, engeneer

MULTI-AGENT BASED DECISION-MAKING MODEL FOR ENVIRONMENTAL PLANNING UNDER THE UNCERTAINTY OF SOCIALITY: DAM LAKE UTILIZATION PLANNING WITH REGIONAL ALLIANCES

Shoichi Kiyama, Kyoto University

QUANTIFICATION OF STAKEHOLDER PREFERENCES TO FACILITATE COLLABORATIVE ENVIRONMENTAL PLANNING DECISIONS

Caroline Hermans, U.S. Geological Survey

**GOOD GOVERNMENT FOR THE GOOD ENVIRONMENT
PUBLIC RELATIONS IN ENVIRONMENT PROTECTION
(EXAMPLE OF WATER POLLUTION)**

Miroslav Tomin, engeneer

Co-Author(s): Vanja Barisic Jokovic, PR manager

16:15 - 18:00

11P: ECOSYSTEM MANAGEMENT

Room 554

Chairperson: Rui Mota, Environment and Energy

Section - DEM - IST

OPTIMAL PEST CONTROL IN AGRICULTURE

Rüdiger Pethig, University of Siegen

Co-Author(s): Thomas Christiaans, University of Siegen and
Thomas Eichner, University of Siegen

**ECOSYSTEM PORTFOLIOS: A FINANCE-BASED APPROACH
TO ECOSYSTEM MANAGEMENT**

Martin D Smith, Duke University

Co-Author(s): Douglas W Lipton, University of Maryland and James
N Sanchirico, Resources for the Future

**OPTIMAL ECOSYSTEM MANAGEMENT WITH STRUCTURAL
DYNAMICS**

Rui Mota, Environment and Energy Section - DEM - IST

Co-Author(s): Tiago Domingos, Environment and Energy Section,
DEM, Instituto Superior Técnico

SIDE EVENTS

Following informal side events will be held during the Congress.

“Economics of Catastrophe”

July 5th, 8:45-10:30, Room 553

Speakers: Yoshiaki Kawata, Kyoto University
Michael Hanemann, University of California, Berkeley
Stephene Hallegate, Stanford University

“Establishing Green Tax System for a Low Carbon Society in Japan: Symposium in Memory of Publishing THE POLITICAL ECONOMY OF ENVIRONMENTALLY RELATED TAXES by Organization for Economic Cooperation and Development (OECD)

July 5, 2006 (16:00-18:00), B2, Gold Room of Kyoto Takaragaike Prince Hotel (Located in front of the Kyoto International Conference Hall)

Organizers: OECD, Japanese Ministry of the Environment, Society for Environmental Economics and Policy Studies

Speakers: Yuriko Koike, Ministry of the Environment
Lorents G. Lorentsen, OECD Environment Directorate
Takamitsu Sawa, Ritsumeikan University
Yoshihiro Fujii, Sophia University

“The history and prospect of Environmental Economics and Policy Studies in East Asia”

July 7th, 8:45-10:30, Room 510

Chair: Kazuhiro Ueta, Kyoto University and President of SEEPS

Speakers:

Cao Dong, Chinese Academy for Environmental Planning “The history and prospect of Environmental Economics and Policy Studies in China”

Daigee Shaw, Institute of Economics Academia Sinica “The history and prospect of Environmental Economics and Policy Studies in Taiwan”

Il-Chung Kim, Dongguk University “The history and prospect of Environmental

Economics and Policy Studies in Korea”

Kazuhiro Ueta, Kyoto University and President of SEEPS “The history and prospect of Environmental Economics and Policy Studies in Japan”

“The Sustainable and Cyclical Economy in Asia”

July 7th, 14:00-17:00, Room D

Chair: Fumikazu Yoshida, Hokkaido University and Shun’ichi Teranishi, Hitotsubashi University

Speakers:

Ming Lei, Peking University “Study of Harmony Development Path between Economy and Environment in China (1985-2003)”

Li Jinhui “Consideration on Legal framework on establishing a recycling society in China”

Lihchyi Wen, Chung-Hua Institution for Economic Research "The Economic Incentive Effects of Combined Product Tax and Recycling Subsidy”

Michikazu Kojima, IDE “International Trade of Recyclable Resources in Asia”

So Sasaki, Hokkaido University “Current status and Problems of WEEE Management in Thailand”

Ken’ichi Togawa, Kumamoto University “Background of the Automobile Recycling Law Enactment in Japan”

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