



Grantham Research Institute on Climate Change and the Environment



With the contribution of:



17th Annual BIOECON Conference EXPERIMENTAL AND BEHAVIOURAL ECONOMICS AND THE CONSERVATION OF BIODIVERSITY AND ECOSYSTEM SERVICES

13-15 September 2015, Kings College, Cambridge, United Kingdom

FINAL PROGRAMME

SUNDAY 13 SEPTEMBER	DAY 1: MONDAY 14 SEPTEMBER		DAY 2: TUESDAY 15 SEPTEMBER
14.00 - 19.30 REGISTRATION AND WELCOME COCKTAIL <i>Kings College</i>	7.45 - 8.45	Breakfast	Breakfast
	8.00 - 8.45	Registration	Checkout
	8.45 - 9.00	Welcome Address	Final Announcement
	9.00 - 10.00	Plenary Session 1	Plenary Session 2
	10.00 - 10.30	Coffee break	Coffee break
	10.30 - 12.30	Parallel Sessions A1 - A4	Parallel Sessions D1 - D4
	12.30 - 13.30	Lunch	Lunch
	13.30 - 15.00	Parallel Sessions B1 - B4	Plenary Policy Session 2
	15.00 - 15.30	Coffee break	Coffee break
	15.30 - 17.00	Parallel Sessions C1 - C4	Parallel Sessions E1 - E4
	17.00 - 18.30	Plenary Policy Session 1	
	18.30 - 19.30	BIOECON internal meetings	
	19.15 - 20.00	Pre-dinner Drinks	
20.00 - 22.00	Social Dinner		

Sunday 13 September 2015

14:00 – 19:30 Registration

Conference Office

18:00 - 19:30 Welcome Cocktail

Back Lawn



Monday 14 September 2015

08:00 – 08:45 Registration

Conference Office

08:45 – 9:00 Welcome Address – OPENING BIOECON XVII

09:00 – 10:00 PLENARY SESSION 1

Keynes Hall

Chair: Ben Groom

Keynote Address

Prof. Daan van Soest, University of Tilburg, The Netherlands

On the (ir-) relevance of other-regarding preferences in environmental and resource conservation problems

10:00 – 10:30 Coffee break

Chetwynd Room

10:30 – 12.30 PARALLEL SESSIONS A1 – A4

10:30 – 12.30 PARALLEL SESSION A1 - Agri Environmental Payments: Contract Design & Participation

Chair: Geraldine Murphy

Beves Room

Jussi LANKOSKI, OECD

Cost-Effectiveness of Alternative Payment and Auction Designs for Biodiversity Conservation in Agriculture

Discussant: *Martin Drechsler*

Frank WÄTZOLD, Brandenburg University of Technology Cottbus-Senftenberg, Germany

The Cost-Effective Length of Contracts for Payments to Compensate Land Owners for Biodiversity Conservation Measures

Discussant: *Rosa Mato Amboage*

Rosa MATO AMBOAGE, University of York, UK

Cooperation and Risk Sharing in Public-Private Partnerships for the Management in Invasive Species

Discussant: Geraldine Murphy

Geraldine MURPHY, Teagasc Rural Economy and Development Programme, Ireland

Modelling the Participation Decision in Agri-Environmental Schemes

Discussant: Jussi Lankoski

10:30 – 12.30 PARALLEL SESSION A2 - Payments for Environmental Services: Impact Analysis

Chair: Rodrigo Arriagada

Keynes Seminar Room 2

Sebastien DESBUREAUX, Université d'Auvergne-CERDI, Clermont-Ferrand, France

How Protected Areas Reduce Deforestation? An Exploration of the Economic and Political Mechanisms for Madagascar's Rainforests (2001-12)

Discussant: Saudamini Das

Saudamini DAS, Institute of Economic Growth, India

Value of Planted Mangroves as Nursery and Habitat for Artisanal and Commercial Fishery

Discussant: Luz Rodriguez

Luz RODRIGUEZ, Duke University, USA.

Creating New, Local Ecopayments Institutions in Mexico: A Framed Field Experiment on Trust, Sanctions & Local Coordination

Discussant: Rodrigo Arriagada

Rodrigo ARRIAGADA, Department of Agricultural Economics, Center for Applied Ecology and Sustainability, Interdisciplinary Center for Intercultural and Indigenous Studies, Pontificia Universidad Católica de Chile

Creating Protected Areas on Public Lands: Is there Room for Additional Conservation?

Discussant: Sebastien Desbureaux

10:30 – 12.30 PARALLEL SESSION A3 - Experiments and Behaviour in Conservation

Chair: Benjamin Gramig

Keynes Hall

Maria LOUREIRO, University of Santiago de Compostela, Spain

Sharing the Gains and Sharing the Pains in Forest Management

Discussant: Marc Conte

Marc CONTE, Fordham University, USA

Quality Information and Procurement Auction Outcomes: Evidence from a Payment for Ecosystem Services Laboratory Experiment

Discussant: George Hutchinson

George HUTCHINSON, Gibson Institute for Land, Food and Environment, and Institute for Global Food Security, and UKCRC Centre of Excellence for Public Health (NI), Queen's University Belfast, UK

Time Preference Risk Preferences and Behavioral Response to Health Services of a Park Land Ecosystem: An Experimental Economics Approach

Discussant: Benjamin Gramig

Benjamin GRAMIG, Purdue University, USA

Framing Conservation Tillage: The Role of Economic, Altruistic and Environmental Values

Discussant: Maria Loureiro

10:30 – 12.30 PARALLEL SESSION A4 - Field Experiments in Conservation Payments

Chair: Kent Messer

Saltmarsh Dining Room

Nick HANLEY, University of St Andrews, Scotland, UK

The Effects of Peer Group Information and Group Size on Spatial Coordination in Agri-Environment Schemes: A Laboratory Experimental Study of the Agglomeration Bonus

Discussant: Philippe Le Coent

Philippe LE COENT, LAMETA, Université Montpellier 1, LAMETA, France

Can collective conditionally improve agri-environmental contracts? Insights from experimental economics

Discussant: Nick Hanley

Raphaelle PREGET, INRA- LAMETA, France

Nudges, Social Norms and Performance in Agri-Environmental Schemes

Discussant: Kent Messer

Kent MESSER, University of Delaware, USA

Behavioral Nudges in Competitive Environments: A Field Experiment Examining Defaults and Social Comparisons in a Conservation Contract Auction

Discussant: Raphaelle Preget

12:30 – 13:30 Lunch

Dining Hall

13:30-15:00 PARALLEL SESSIONS B1 - B4

13:30-15:00 PARALLEL SESSION B1 - Forests I

Chair: Aino Assmuth

Saltmarsh Dining

Room

Joe MAHER, Resources for the Future, USA

Protecting Forests: Is it the Policies or the Actors that Count?

Discussant: Sampo Pihlainen

Sampo PIHLAINEN, University of Helsinki, Finland

Economics of Boreal Scots Pine Stands under Changing Climate

Discussant: Aino Assmuth

Aino ASSMUTH, University of Helsinki, Finland

Continuous Cover Forestry vs. Clearcuts with Optimal Carbon Storage

Discussant: Joe Maher

13:30 – 15.00 PARALLEL SESSION B2 - Stated Preferences I

Chair: Margrethe Aanesen

Keynes Seminar Room 2

Nick HANLEY, University of St Andrews, Scotland, UK

The Effects of Emotions on Preferences and Choices for Environmental Goods

Discussant: Jeremy De Valck

Jeremy DE VALCK, KU Leuven, and Geo-Instituut and Flemish Institute for Technological Research VITO, Belgium

Outdoor Recreation in Various Hypothetical Landscapes: Which site Characteristics really Matter?

Discussant: Margrethe Aanesen

Margrethe AANESEN, University of Tromsø – Arctic University of Norway

Interviewer Effects in a Discrete Choice Experiment Implemented as a Valuation Workshop

Discussant: Nick Hanley

13:30-15:00 PARALLEL SESSION B3 - Experiments in Policy

Chair: Anne Stenger

Keynes Hall

David HERES, Centro de Investigacion y Docencia Economicas (CIDE), Mexico

Policy Instrument Choice with Marginal Damages are Uncertain: Evidence from a Laboratory Experiment

Discussant: Prasanjit Banerjee

Prasanjit BANERJEE, University of Manchester, UK

Social rewards and the design of voluntary incentive mechanism for biodiversity protection on farmland

Discussant: Anne Stenger

Anne STENGER, INRA and BETA- University of Strasbourg, France

Are Incentives a Must for Diversity Conservation? Experimental Results on Long-Lasting Cooperation

Discussant: David Heres

13:30-15:00 PARALLEL SESSION B4 - Natural Resource Management

Chair: Olli Tahvonen

Beves Room

Antti-Juhani PEKKARINEN, University of Helsinki, Finland

Winter Pastures and Supplementary Feeding in Managing a Reindeer-Lichen System

Discussant: Anders Skonhoft

Anders SKONHOFT, Norwegian University of Science and Technology, Norway

The Silence of the Lambs. Payment for Carnivore Conservation and Sheep Farming

Discussant: Olli Tahvonen

Olli TAHVONEN, University of Helsinki, Finland

Optimality of Continuous Cover vs. Clearcut Regimes in Managing Forest Resources

Discussant: Antti-Juhani Pekkarinen

15:00 – 15:30 Coffee break

Chetwynd Room

15:30 – 17.00 PARALLEL SESSION C1-C4

15:30 – 17.00 PARALLEL SESSION C1 - Ecosystem Services

Beves Room

Chair: Christine Bertram

Moritz DRUPP, University of Kiel, Germany, London School of Economics and Political Science, UK and University of Tübingen, Germany

Estimating the insurance value of ecosystem resilience: Evidence from the Australian Goulburn-Broken Catchment

Discussant: Adam Kleczkowski

Adam KLECZOWSKI, School of Natural Sciences, University of Stirling, UK

Ecological-Economic Modelling of Interactions between Wild and Commercial Bees and Pesticide Use

Discussant: Christine Bertram

Christine BERTRAM, Kiel Institute, Germany

Biodiversity and Optimal Multi-Species Ecosystem Management

Discussant: Moritz Drupp

15:30 – 17.00 PARALLEL SESSION C2 - International Environmental Agreements

Chair: Greer Gosnell

Keynes Seminar Room 2

Hans-Peter WEIKARD, Wageningen University, The Netherlands

International Cooperation for Biodiversity Conservation when Spatial Structures Matter

Discussant: Julia Hoffmann

Julia HOFFMANN, University of Kiel, Germany

Bargaining over Resource Regulation: Total Allowable Catch Setting in the European Common Fisheries Policy

Discussant: Greer Gosnell

*Greer GOSNELL, London School of Economics, UK*Heterogeneity and Side Deals in Climate Negotiations:

Evidence from a Bargaining

ExperimentDiscussant: Hans-Peter Weikard

15:30 – 17.00 PARALLEL SESSION C3 - Payments for Environmental Services

Chair: David Simpson

Saltmarsh Dining Room

Ernst-August NUPPENAU, University of Giessen, Germany

Ecological-Economic Valuation of Prestigious Species in Case of Human-Wildlife Conflicts: The Elephant Example

Discussant: Frank Wätzold

Frank WÄTZOLD, Brandenburg University of Technology Cottbus-Senftenberg, Germany

Land of Biodiversity Conservation - to Buy or Borrow?

Discussant: David Simpson

David SIMPSON, National Center for Environmental Economics, United States Environmental Protection Agency, USA

Developing "Reality Checks" on Ecosystem Service Values: Characterization and Bounding Results for a Broad Class of Models

Discussant: Ernst-August Nuppenau

15:30 – 17.00 PARALLEL SESSION C4 - Sustainability and Property

Chair: Martin Quaas

Keynes Hall

Prasanjit BANERJEE, University of Manchester, UK

Does Bounded Self-interest Matter in Coasean Bargaining over Insecure Property?

Discussant: Asle Gauteplass

Asle GAUTEPLASS, Norwegian University of Technology and Science, Norway

Conflict and Cooperation in an Age Structured Fishery

Discussant: Martin Quaas

Martin QUAAS, University of Kiel, Germany

A Market Mechanism for Sustainable and Efficient Resource Use under Uncertainty

Discussant: Prasanjit Banerjee

17:00 - 18:30 UNEP SPONSORED EXPERT PANEL: Human Health and Ecosystems: Dynamics of Pathways

Chair: *Pushpam Kumar, UNEP*

Keynes Hall

Panellists

Conor KRETSCH Research Fellow - Centre for Environmental Management
School of Geography, University of Nottingham, UK

Rebecca LOVELL Research Fellow, European Centre for Environment and Human Health
Medical School, University of Exeter, UK

Andrew MORSE Professor of Climate Impacts
School of Environmental Sciences, University of Liverpool, UK

Charles PERRINGS Professor of Environmental Economics
School of life sciences, Arizona State University, USA

18:30 – 19:30 BIOECON PARTNER MEETINGS

Scientific and Institutional Partners Meeting

Saltmarsh Dining Room

19:15-20:00 Pre-Dinner Drinks

Back Lawn

20:00-22:00 CONFERENCE SOCIAL DINNER

Dining Hall



Tuesday 15 September 2015

08:45 – 9:00 Final Announcement

Keynes Hall

9:00 – 10:00 PLENARY SESSION 2

Keynes Hall

Chair: Ben Groom

Keynote Address

Prof. Jeff Vincent, Duke University, USA

Why Economists Shouldn't Care about Deforestation

10:00 – 10:30 Coffee break

Chetwynd Room

10:30 – 12:30 PARALLEL SESSIONS D1 - D4

10:30 – 12.30 PARALLEL SESSION D1 - Special UNEP Session on Infectious Diseases

Chair: Nick Hanley

Keynes Hall

Charles SIMS, Department of Economics University of Tennessee – Knoxville, USA

Taking One for the Team: Is Collective Action More Responsive to Ecological Change?

Ciara DANGERFIELD, Department of Plant Sciences University of Cambridge, UK

An Epidemiological-based Model for Disease Spread within the Real Options Framework: The impact on the Optimal Timing of Treatment

David FINNOFF, College of Business, University of Wyoming, USA

Managing Wildlife Faced with Pathogen Risks Involving Multi-Stable Outcomes

Richard HORAN/, Department of Agricultural, Food, and Resource Economics, Michigan State University, USA; Eli FENICHEL, Yale School of Forestry & Environmental Studies, USA

Optimal Management of Livestock and Wildlife Disease. When Livestock Trade Puts Wildlife at Risk

Morag MACPHERSON, University of Stirling, UK

The Optimal Rotation Length of a Production Forest in the Presence of Disease

Eli FENICHEL, Yale School of Forestry & Environmental Studies, USA

Where the Wild Things Go: The Impact of Time Reallocation on the Cost and Benefit of School Closures During an Epidemic

10:30 – 12.30 PARALLEL SESSION D2 - Stated Preferences II: Choice and Behaviour

Chair: Vanja Westerberg

Keynes Seminar Room 2

Silvie DANIELS, University of Hasselt, Belgium

Economic Valuation of Natural Predators for the Biological Pest Control of *Cacopsylla Pyri* in Pear Production, Belgium

Discussant: Sheng-Han-Erin Chang

Sheng-Han-Erin CHANG, Technical University Munich, Germany

Investigating Farmers' Willingness to Participate in the Chemical Fertilizer Reduction Scheme: A Choice Experiment Study in Taiwan

Discussant: *Anastasio Villanueva*

Anastasio VILLANUEVA, IFAPA, Centre Alameda del Obispo, Spain

Handling Protest Responses when Estimating Willingness to Accept: Farmers' Preferences towards Agri-Environmental Schemes

Discussant: Vanja Westerberg

Vanja WESTERBERG, Earthmind, IUCN Conservation Centre, Switzerland

Valuing Mediterranean Seascape and Land Use Changes with Explicit Consideration of Loss Aversion and Increasing Price Sensitivity

Discussant: Silvie Daniels

10:30 – 12.30 PARALLEL SESSION D3 - Stated Preferences III: Behavioural and Methodological Issues

Chair: Tanvir Hussain

Saltmarsh Dining Room

Julian RODE, Helmholtz-Center for Environmental Research, Germany

Can Monetary Valuation Undermine Nature Conservation? Evidence from a Decision Experiment

Discussant: Elisabeth Gsottbauer

Elisabeth GSOTTBAUER, ETH Zurich, Switzerland

Social Framing and Cooperation: The Roles and Interaction of Preferences and Beliefs

Discussant: Katharine Simpson

Katherine SIMPSON, University of Stirling, UK

Information and Learning and the Subsequent Effects on Public Preferences for Managed Realignment in Scotland

Discussant: Tanvir Hussain

Tanvir HUSSAIN, University of Freiburg, and Leuphana University of Lüneburg, Germany

Willingness to Pay for Environmental Goods under Uncertainty

Discussant: Julian Rode

10:30 – 12.30 PARALLEL SESSION D4 - Biodiversity, Environment and Development

Chair: Tanya O'Garra

Beves Room

Stefan BAUMGÄRTNER, Leuphana University of Lüneburg, and University of Freiburg, Germany
Farm Size, Environmental Risk and Risk Preferences: The Case of Namibian Commercial Cattle Farming
Discussant: Jetske Bouma

Jetske BOUMA, VU University, and Netherlands Environmental Assessment Agency, the Netherlands
Community Co-Management of Forest Biodiversity - A Framed Field Experiment Amongst the Tsimane', Bolivia
Discussant: Yady Barrero

Yady BARRERO, Universidad de Los Andes, Colombia
Gender Heterogeneity in User Groups and Fishing Extraction: Experimental Evidence for a Caribbean Colombian Marsh
Discussant: Tanya O'Garra

Tanya O'GARRA, Center for Research on Environmental Decisions, Earth Institute, Columbia University, USA
The Influence of Social and Psychological Interventions on Collective Action for Water Management: A Framed Field Experiment in India
Discussant: Stefan Baumgärtner

12:30 – 13:30 Lunch

Dining Hall

13:30 – 15.00 David Pearce Panel Session

Keynes Hall

10 years since his death we ask again: "Do we really value biodiversity?", the title of his last publication.

Chair: Tim Swanson

Participants: Nick Hanley, David Simpson, James Vause (UNEP WCMC), and others TBA

15:00 – 15:30 Coffee break

Chetwynd Room

15:30 – 17:00 PARALLEL SESSIONS E1-E4

15:30 – 17:00 PARALLEL SESSION E1 - Forests II: Ecosystem Services

Chair: Edwin Van der Werf

Beves Room

Edwin VAN DER WERF, Wageningen University, The Netherlands

The Potential or REDD+ for Carbon Sequestration in Tropical Forests: Supply Curves for Carbon Storage for East-Kalimantan

Discussant: Teevrat Garg

Teevrat GARG, Charles H. Dyson School of Applied Economics & Management, Cornell University, USA

Public Health Effects of Ecosystem Degradation: Evidence from Deforestation in Indonesia

Discussant: *Mordechai Shechter*

Mordechai SHECHTER, University of Haifa, Israel.

Israeli Mediterranean Ecosystem Services Assessment

Discussant: *Edwin Van Der Werf*

15:30 – 17:00 PARALLEL SESSION E2 - Biodiversity and Land use

Chair: Tim Swanson

Saltmarsh Dining Room

Jim SALZMAN, Duke University, USA

Payments for Ecosystem Services: Past, Present and Future

Discussant: Chloé Mulier

Chloé MULIER, SUPAGRO/LAMETA, France

A Tale of Two Biodiversities

Discussant: Tim Swanson

Tim SWANSON, Graduate Institute of International and Development Studies, Switzerland

Food Security and Land Use: Conservation Policy in a Technology Driven World

Discussant: Jim Salzman

15:30 – 17:00 PARALLEL SESSION E3 - Experiments in Conservation Payments and PES

Chair: Arild Angelsen

Keynes Hall

Laura VILLALOBOS, University of Gothenburg, Sweden

Deforestation Spillovers from Costa Rican Protected Areas

Discussant: Salvatore Di Falco

Salvatore DI FALCO, University of Geneva, Switzerland

Embezzlement of Conservation Funds: The (Relative) Importance of Transparency

Discussant: Arild Angelsen

Arild ANGELSEN, School of Economics and Business, Norwegian University of Life Sciences, Norway

PES and Crowding-Out Effects: A Framed Forest Experiment in Tanzania

Discussant: Laura Villalobos

15:30 – 17:00 PARALLEL SESSION E4 - Infectious Diseases and Invasive Species

Chair: Pierre Courtois

Keynes Seminar room 2

Flavio TOXVAERD, University of Cambridge and CEPR, UK

The Optimal Control of Infectious Diseases via Prevention and Treatment

Discussant: David Shanafelt

David SHANAFELT, School of Life Sciences, Arizona State University, USA

Foot and Mouth Disease: The Role of International Trade and the Risk of Disease Outbreak

Discussant: Pierre Courtois

Pierre COURTOIS, LAMETA, University of Montpellier, France

Managing Biological Invasions: How to Set Priorities?

Discussant: Flavio Toxvaerd

17:00 CONCLUSION OF BIOECON XVII