



# BIOdiversity and Economics for CONservation – BIOECON

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*8<sup>th</sup> Annual BIOECON Conference on the Economic Analysis of Ecology and Biodiversity  
Kings College Cambridge - 29-30 August 2006.*

*Hosted by*

*Department of Land Economy, University of Cambridge  
International Food Policy Research Institute*

*In Association with  
DIVERSITAS-International  
UK -Department for Environment Food and Rural Affairs*

## PROGRAMME STRUCTURE

DAY 0 28 <sup>th</sup> of August	DAY 1: TUESDAY 29 <sup>th</sup> OF AUGUST		DAY 2: WED. 30 <sup>th</sup> OF AUGUST	
ARRIVAL, PICK UP ROOM KEYS - FREE DAY FOR SIGHTSEEING	7:45-8:45	Breakfast	7:45-8:45	Breakfast
	8:00-8:45	Late Registration at Conference Office		
	8:45-9:00	Welcome and Announcements	8:45-9:00	Check out – return keys and store suitcases at Conference Office
	9:00-9:50	Keynote 1: Prof. Steve Polasky (J.M. Keynes Room)	9:00-9:50	Keynote 2: Prof. Tasos Xepapadeas (J.M. Keynes Room)
	9:50-10:15	BREAK: Coffee and refreshments	9:50-10:15	BREAK: Coffee and refreshments
	10:15-12:00	Parallel Sessions	10:15-12:00	Parallel Sessions
	12:00-13:30	LUNCH & COFFEE - (Kings Great Hall)	12:00-13:30	LUNCH & COFFEE - (Kings Great Hall)
	13:30-14:45	Parallel Sessions	13:30-14:45	Parallel Sessions
	14:45-15:15	BREAK: Coffee and refreshments	14:45-15:15	BREAK: Coffee and refreshments
	15:15-17:00	Parallel Sessions	15:15-17:00	Parallel Sessions
	17:00-20:00	Free programme		<b>END OF CONFERENCE</b>
	20:00-22:00	CONFERENCE BANQUET (Great Hall)		

**TUESDAY 29<sup>TH</sup> OF AUGUST**

7:45-8:45	Breakfast		
8:00-8:45	Late Registration at Conference Office		
8:45-9:00	Welcome and Announcements		
9:00-9:50	Keynote address: Prof. Steve Polasky	Room	Keynes
9:50-10:15	BREAK: Coffee and refreshments		
10:15-12:00	<b>PARALLEL SESSIONS</b>		
	<b>Session 1</b> <b>Agro biodiversity and ecosystems</b>		
	<b>Chair: Smale</b> <b>Room: TBC</b>		
	<b>Title of papers:</b>	<b>Presenter</b>	<b>Discussant</b>
	Rainfall Shocks, Resilience and the Dynamic Effects of Crop Biodiversity on the Productivity of Agroecosystems	Di Falco	Huntala
	Estimations of soil biota and agricultural production interactions	Foudi	Sauer
	Bees, coffee, and poverty: How alternative policy instruments and ownership structures affect technology choice?	Huhtala	di Falco
	Prices and Species Diversity -Stochastic Efficiency Frontier	Sauer	Foudi
	<b>Session 2</b> <b>Optimal Conservation Programme Design</b>		
	<b>Chair: Skonhoft</b> <b>Room:</b>		
	<b>Title of papers:</b>	<b>Presenter</b>	<b>Discussant</b>
	Managing Land Use and Land Cover Change in the biodiversity context with regard to Efficiency, Equality and Ecological Effectiveness	Ohl	Larsen
	Noah's non-concavity: On the existence of non-trivial interior solutions to the problem of cost effective conservation planning	Hunter	Friedl
	Farmers' participation in agri-environmental programs and impact on farm performance: an empirical analysis applied to Swedish Agriculture	Larsen	Ohl
	Fund raising for species protection in national parks: limitations and opportunities of nature-based tourism	Friedl	Hunter
	<b>Session 3</b> <b>Conflicts in biodiversity conservation: pests, invasive, and parasites.</b>		
	<b>Chair: Pascual</b> <b>Room: TBC</b>		
	<b>Title of papers:</b>	<b>Presenter</b>	<b>Discussant</b>
	A bug's life: competition among species towards the environment	Bella	Swinton
	An application of Weitzman's libraries model for biodiversity preservation with parasites	Shamir	Bella
	A Natural Enemies – Adjusted Economic Thresholds for Pest Control	Swinton	Kaiser
	Beyond the Lamppost: Optimal Prevention and Control of the Brown Treesnake in Hawaii	Kaiser	Shamir

12:00-13:30	<b>LUNCH &amp; COFFEE - (Kings Great Hall)</b>		
13:30-14:45	<b>PARALLEL SESSIONS</b>		
	<b>Session 4</b> <b>IFPRI Session: Agricultural Biodiversity and Economic Development</b>		
	<b>Chair: Smale</b> <b>Room: TBC</b>  Leslie Lipper (FAO) Ruth Meinzen-Dick (IFPRI) Peter Hazell (Imperial College London) Mauricio Bellon (IPGRI)		<b>Room:</b>
	<b>Session 5</b> <b>Advances in fishery bio-economic modelling</b>		
	<b>Chair: Halsema</b> <b>Room: TBC</b>		
	<b>Title of papers:</b>	<b>Presenter</b>	<b>Discussant</b>
	Defining viable recovery paths towards sustainable fisheries	Martinet	-
	What do fishermen think about the SLOSS debate	Mette	Doyen
	Viable management of a renewable resource with a quota market	Doyen	Termansen
	<b>Session 6</b> <b>Contract Design/uncertainty</b>		
	<b>Chair: Figuières</b> <b>Room: TBC</b>		
	<b>Title of papers:</b>	<b>Presenter</b>	<b>Discussant</b>
	Mechanism design for biodiversity conservation	Di Corato	Nunes
	Green Auctions-A Study of Mechanism Design with Externalities	Espinola-Arredondo	Di Corato
	Incentive Contracts for Natura 2000 Implementation: A mixed Model of Adverse Selection and Moral Hazard	Garcia	Espinola-Arredondo
	Is Bioprospecting Contract an Efficient Marketbased Policy Instrument for Biodiversity Conservation?	Nunes	Garcia
14:45-15:15	<b>BREAK: Coffee and refreshments</b>		

15:15-17:00	PARALLEL SESSIONS		
	<b>Parallel Session 7</b> <b>Spatial effects</b>		
	<b>Chair: di Falco</b> <b>Room: TBC</b>		
	<b>Title of papers:</b>	<b>Presenter</b>	<b>Discussant</b>
	Policy design and the optimal location of forests in Flanders	Moons	Groeneveld
	Deforestation, Growth and Agglomeration Effects: Evidence from Agriculture in the Brazilian Amazon	Igliori	-
	Catering for the species: reserve selection by habitat type, environmental quality and spatial aspects	Groeneveld	Moons
	<b>Session 8</b> <b>Institutions and north-south relationships</b>		
	<b>Chair: Lipper</b> <b>Room: TBC</b>		
	<b>Title of papers:</b>	<b>Presenter</b>	<b>Discussant</b>
	Transaction Costs of Tracking and Monitoring the Flow of Agricultural Genetic Resources	Eaton	Sarr
	The economics of IPR for traditional knowledge - the importance of property rights	Swanson	Eaton
	Land Conversion, Ecosystem Services And Biodiversity Conservation	Alam	Gogo
	Environmental Policy and Conflict in Heterogeneous Democracy: The impact of Mobility in a Probabilistic Voting Model.	Gogo	Alam
	<b>Session 9</b> <b>Biodiversity Policy Implementation</b>		
	<b>Chair: Dedeurwaerdere</b> <b>Room: TBC</b>		
	<b>Title of papers:</b>	<b>Presenter</b>	<b>Discussant</b>
	Towards a biodiversity governance assessment tool	Brodnig	Horne
	Marine Biodiversity – An Economic Valuation	Austen	Watts
	Cost-Benefit Analysis of Different Management Approaches Of Kakamega Forest In Kenya	Guthiga	Austen
	Impact of nature conservation areas on regional economies - a shift and share analysis	Horne	Guthiga
17:00-20:00	Free programme		
20:00-22:00	CONFERENCE BANQUET (Kings College Great Hall)		

WEDNESDAY 30 <sup>TH</sup> OF AUGUST			
7:45-8:45	Breakfast		
8:45-9:00	Checkout from rooms		
9:00-9:50	Keynote address: Prof. Tasos Xepapadeas	Room	Keynes
9:50-10:15	BREAK: Coffee and refreshments		
10:15-12:00 PARALLEL SESSIONS			
<b>Session 10</b> <b>Biodiversity Policy Evaluation</b>			
<b>Chair: Horne</b>			
<b>Room: TBC</b>			
<b>Title of papers:</b>		<b>Presenter</b>	<b>Discussant</b>
Economic Importance of Forests to Local Users and the Implications for Natural Forest Management in Uganda		Bush	Seyoum
Determinants of Collaborative Conservation Costs of Coffea arabica 's Wild Populations in Montane Rainforest of Southwestern Ethiopia		Seyoum	Bush
Income impact analysis of the SLCP		Groom	Horne
<b>Session 11</b> <b>Biodiversity Regulation: compliance and instrument choice</b>			
<b>Chair: Van Soest</b>			
<b>Room: TBC</b>			
<b>Title of papers:</b>		<b>Presenter</b>	<b>Discussant</b>
A Dynamic Model of Regulatory Compliance in Fisheries: The Case of Mesh Size		Akpalu	Berglann
Fisheries Management Under Uncertainty		Berglann	Akpalu
Can voluntary eco-labeling replace trade bans in the case of GMOs?		Greaker	Onuma
Black markets and trade bans: can bans reduce illegal production?		Onuma	Greaker
<b>Session 12</b> <b>Management of farm-biodiversity: empirical advances</b>			
<b>Chair: Birol</b>			
<b>Room: TBC</b>			
<b>Title of papers:</b>		<b>Presenter</b>	<b>Discussant</b>
On Management of Natural Rangelands : A case study of commercial farms in Southern Namibia		Domptail	Rodriguez
Market Involvement and Crop Biodiversity in a Developing Economy: Bananas in Uganda		Edmeades	Rayn
Private farmers compensation and viability of protected areas: The case of Nairobi National Park and Kitengela dispersal corridor		Rodriguez	Domptail
Estimating Mexican Farmers' Valuation Of Milpa Diversity And Genetically Modified Maize: A Choice Experiment Approach		Rayn	Emedes

12:00-13:30	<b>LUNCH &amp; COFFEE - (Kings Great Hall)</b>		
13:30-14:45	<b>PARALLEL SESSIONS</b>		
	<b>Session 13</b> <b>DIVERSITAS Session: Biodiversity science for human well-being</b>		
	<b>Chair: Unai Pascual</b> <b>Room: TBC</b>		
	<b>Title of papers:</b>	<b>Presenter</b>	<b>Discussant</b>
	Trust, Trustworthiness and Cooperation: Social Capital and Community Resource Management	Bulte	Glenk
	Natural vs. financial insurance in the management of public-good ecosystems	Quass	Bulte
	Locally Perceived Values of Biological Diversity in Indonesia – a Choice Experiment Approach	Glenk	Pascual
	Economics of Biodiversity and Productivity in Intensive Agricultural Systems	Pascual	Quass
	<b>Session 14</b> <b>Chinese forestry policy evaluation</b>		
	<b>Chair: Groom</b> <b>Room: TBC</b>		
	<b>Title of papers:</b>	<b>Presenter</b>	<b>Discussant</b>
	Estimating Non-Market Environmental Benefits of the Conversion of Cropland to Forest and Grassland Program: a choice modeling approach	Bennett	Grosjean
	Compensation payments for the NFPP	Mullan	Xu
	Community Governed Forest Tenure Reform-Determinants, Outcomes and Implication for Future Policy Reform	Xu	Mullan
	Qualitative post programme evaluation of the SLCP	Grosjean	Bennett
	<b>Session 15</b> <b>Management of biodiversity: theoretical advances</b>		
	<b>Chair: Goeschl</b> <b>Room: TBC</b>		
	<b>Title of papers:</b>	<b>Presenter</b>	<b>Discussant</b>
	Managing multiple fishery pools: property right regimes and market structures	Halsema	Pethig
	Pricing the ecosystem and taxing ecosystem services: a general equilibrium approach	Pethig	Mota
14:45-15:15	<b>BREAK: Coffee and refreshments</b>		

15:15-17:00	PARALLEL SESSIONS		
	<b>Session 16</b> <b>Plant and genetic resource policy implementation</b>		
	<b>Chair: Mburu</b> <b>Room: TBC</b>		
	<b>Title of papers:</b>	<b>Presenter</b>	<b>Discussant</b>
	The worth of a wildflower": Precautionary perspectives on the environmental risk of GMOs	Aslaksen	Horna
	Policy Induced Emergence of Monoculture and its Impact on Agricultural Resource base: A Case of Land and Water Degradation in Indian Punjab	Bhullar	Aslaksen
	Marketing Underutilized Crops for Biodiversity: The Case of African Garden Egg (Solanum aethiopicum) in Ghana	Horna	Bhullar
	The role of crop genetic diversity in coping with agricultural production shocks: insights from eastern ethiopia	Lipper /Hopkins	Mburu
	<b>Session 17</b> <b>Biodiversity Valuation: methodological and policy contributions</b>		
	<b>Chair: Watts</b> <b>Room: TBC</b>		
	<b>Title of papers:</b>	<b>Presenter</b>	<b>Discussant</b>
	Including Scenario Uncertainty in Stated Preference Valuation: A Choice Experiment on Marine Recreational Resources	Wielgus	Friedl
	Assessing management options for weed control with demanders and non-demanders in a choice experiment	Kataria	Loureiro
	Considering the role of the minimum viable population (MVP) and the existence of close substitutes in scope tests	Loureiro	Kataria
	Visitor Attitudes and Valuation of Species Protection Differences across Species, Policies and Visitors	Friedl	Wielgus
	<b>Session 18</b> <b>Habitat management</b>		
	<b>Chair: Groeneveld</b> <b>Room: TBC</b>		
	<b>Title of papers:</b>	<b>Presenter</b>	<b>Discussant</b>
	Commons as insurance: safety nets or poverty traps?	Delacote	Skonhoft
	A Bioeconomic Model of Community Incentives for Wildlife Management before and after CAMPFIRE	Fisher	Figuères
	Natural resource harvesting when growth and stock observations are uncertain.	Skonhoft	Delacote
<b>END OF CONFERENCE</b>			