

Environment for Development (EfD) Fourth Annual Meeting

October 28-31, 2010

UNECA Africa Hall, Addis Ababa & Kuriftu Resort, Debrezeit, Ethiopia

Program

Thursday October 28:

Policy Day

Research-Policy Interactions on Environment and Natural Resource Use

– How Can We Make the Most Use of Environmental Economics Research for Development?

Venue: UN Economic Commission for Africa, Africa Hall, Addis Ababa, Ethiopia

Objectives of the Policy Day:

- To disseminate selected work of EfD's research and its potential contributions to a key policy institution (UN ECA) and other key stakeholders present at the meeting (Ethiopia government/ministries/agencies; donors etc.)
- To share information across EfD centers on successful research-policy interactions
- To increase EfD's learning on how to translate research to policy, and enhance its policy work.

Besides these general objectives, the Policy Day (Oct. 28) also serves the operational objective of increasing the focus of the research discussions on the following days (Oct 29-31) of the EfD Annual Meeting on the policy relevance and policy outreach activities of EfD's *on-going* research, and the intentions to inform policy and interact with policy makers (planners, analysts, decision-makers) in the design and dissemination of EfD's *planned* research.

Means: To achieve the objectives above, the meeting includes:

- A **global review of models, approaches and lessons learned from long-run research networks**, think tanks and research-policy interactions – a lot of research and evaluations have been done to identify determinants of successes and failures, and short cuts to gain policy impact of research, etc; e.g. Carden (2009), Weiss (1977, 1982, 2003), Caplan (1979); EfD should be aware of, and build on, this experience;
- A presentation of how to **use impact evaluation to inform policy makers**, to make researchers (and EfD in particular) *useful* in relation to planners/analysts/policymakers, and to influence strategic planning and decision-making
- A presentation of the **needs and capacities among policy makers/a large policy institution** (e.g. UN ECA) to learn from research results, and interact effectively with researchers
- Presentation of **empirical examples from EfD centers** of highly policy-relevant research, various research-based policy interactions and policy influences (eg land tenure reform, SLM, parks)

More generally, the Policy Day aims at taking EfD a step further in its ambitions and practical work to become a more policy relevant research network, which is professional and useful from an academic, as well as from a development policy, point of view. A strong assumption for organizing the Policy Day, and the strong emphasis on the importance of research-policy interactions, is that strong policy-research links create positive synergies between researchers and policymakers, inform and improve policy making *and* improve the quality and relevance of EfD's research.

Hosts: Environmental Economics Policy Forum in Ethiopia (EPPFE) at Ethiopian Development Research Institute (EDRI), and UN Economic Commission for Africa (UN ECA)

Chair: Dr. Gunnar Köhlin, University of Gothenburg

- 10.00-10.10 Welcome (Dr. Alemu Mekonnen, EPPFE; Dr. Josue Dioné, Director of the Food Security and Sustainable Development Division, UN ECA)
- 10:10-10:20 Opening statement (Mr Desalegn Mesfin, Deputy Director General, Federal Environmental Protection Authority of Ethiopia)
- 10.20-10.30 Introduction to the day, short about EfD, purpose (Dr. Gunnar Köhlin, University of Gothenburg)
- 10.30-11.00 Research-policy interactions: models, approaches and lessons learned (Dr. Anders Ekbohm, University of Gothenburg)
- 11.00-11.30 The potentials from impact evaluation: empirical applications and lessons for enhanced evidence-based policy making (Prof Stein Holden, Norwegian University of Life Sciences)
- 11.30-12.00 Needs and opportunities to strengthen policy-research links on the economics of environment and climate change: perspectives from UNDESA (Dr. Chantal Line Carpentier, UNDESA)
- 12.00-13.00 Lunch
- 13.00-13.30 Natural resource accounting – results from applications in Africa and policy implications (Dr. Menale Kassie, CIMMYT)
- 13.30-14.00 Forest Conservation and Land Tenure Reforms in China: Lessons for Africa (Prof. Jintao Xu, Peking University)
- 14.00-14.30 Research for Sustainable Development (R4D) in Sustainable Agriculture: Concepts and Applications (Dr. Berhanu Gebremedhin, ILRI)
- 14.30-15.00 Coffee break
- 15.00-15.30 Conservation, Parks and Payments for Ecosystem Services – experiences from Central America (Dr. Francisco Alpizar)
- 15.30-16.00 Economics of Climate Change – empirical findings and implications for policy (Prof. Thomas Sterner, University of Gothenburg)

16.00-16.30 Panel discussion: 1. How do we make the most use of environmental economics research for development? 2. How do we conduct environmental economics research that informs strategic planning and decision-making? 3. What is the role and opportunities of impact evaluation?

Moderator: Dr Anders Ekbohm, University of Gothenburg

Friday October 29:

Venue: Kuriftu Resort, Debrezeit, Ethiopia

Chairperson: Gunnar Köhlin

09:00-10:00 EFD plenary session: (Thomas, Gunnar, Karin, Karin, Menale)

10:00-10:30 Coffee

10:30-12:00 Parallel session 1

12:00-13:30 Lunch

13:30-15:00 Parallel session 2

15:00-15:30 Coffee

15:30-17:00 Parallel session 3

17:30-19:00 Collaborative research parallel sessions: Land reform book project; DDT research project; Park pricing project; Adaptation atlas.

19:30 Meeting dinner

Saturday October 30:

Chairperson: Alemu Mekonnen

09:00-09:40 Keynote speech: The Role Forests Can Play in Carbon Capture: Principles, Costs and Policies, Roger Sedjo, RFF Senior Fellow and Director of RFF's Forest Economics and Policy Program

09:40-10:00 Keynote speech discussion

10:00-10:30 Coffee

10:30-12:00 Parallel session 4

12:00-13:30 Lunch

13:30-15:00 Parallel session 5

15:00-15:30 Coffee

15:30-17:00 Parallel session 6

17:30-19:00 Collaborative research parallel sessions: Forward looking discussions about future work on the EFD themes. (Climate and Environment; Natural resource management; Local Environmental Quality)

19:30 Meeting dinner

Sunday October 31

Chairperson: Menale Kassie

09:00-09:40 Keynote speaker: Can Input Subsidies Be Used to Both Reduce Poverty and Enhance Sustainable Land Management? –Evidence from Malawi, **Stein Holden**, EFD Research Associate and Professor of Development and Resource Economics, Department of Economics and Resource Management, Norwegian University of Life Sciences

09:40-10:00 Keynote speech discussion

10:00-10:30 Coffee

10:30-12:00 Parallel session 7

12:00-13:30 Lunch

13:30-15:00 Parallel session 8

15:00-15:30 Coffee

15:30-16:15 Closing of meeting and next steps in thematic research collaboration

19:30 Meeting dinner

Friday October 29

EfD Plenary Session: Room, 1: Topic: EfD past, present and future, 09:00-10:00

Chairperson: Gunnar Köhlin

Presenter	
Gunnar Köhlin	Welcome remarks
Menale Kassie	EfD research performance statistics
Karin Backteman	Dissemination
Gunnar Köhlin/Karin Jonson	The EfD “process”
Thomas Sterner	EfD research strategy

* indicates proposal, the remaining are papers.

For each presentation, plan for 15 minutes presentation, 5 minutes discussant and 10 minutes general discussion.

Parallel Session 1A: Room 1: **Topic:** Coastal management and marine values

Chairperson: Jo Albers

Presenter	Title of paper	Discussant
Razack Lokina (and Elizabeth Robinson)	Assessing Tanzania’s Marine Protected Areas: Incentives, opportunities, and constraints*	Jane Turpie
Jane Turpie	Value of protection and management of the South African coast*	Wilfred Nyangena
Róger Madrigal	The role of coastal communities on the management of marine turtles in Central America: The case of Ostional Wildlife Refuge*	Jo Albers

Parallel Session 1B: Room 2: **Topic:** Air, water, and solid waste pollution, 14:00-16:00

Chairperson: Peter Berck

Presenter	Title of paper	Discussant
Jintao Xu	Shadow Pricing SO ₂ Abatement for China’s Thermal Power Plants: a Directional Distance Function Approach	Peter Berck
Ping Qin	Estimating external costs of transportation in Beijing-----air pollution costs and congestion costs*	Allen Blackman
Lunyu Xie	A behavior model of transport mode choices in Beijing*	Ping Qin

Parallel Session 2A: Room 1: **Topic:** The economics of biodiversity and ecosystem conservation and management

Chairperson: Precious Zikhali

Presenter	Title of paper	Discussant
Francisco Alpizar	Nature lovers make good cooperators: A study of conditional cooperation in the field	Gardner Brown

Peter Martinsson	Donations versus Fees in Protected Area Finance? Evidence from Stated Behavior in Cahuita National Park	Gardner Brown
Johane Dikgang	Estimating Optimal Conservation Fees in the Presence of Land Restitution in the Kgalagadi Transfrontier Park between Botswana and South Africa*	Precious Zikhali

Parallel Session 2B: Room 2: Topic: Private sector involvement

Chairperson: Chantal Line Carpentier

Presenter	Title of paper	Discussant
Allen Blackman	Does Eco-Certification have environmental Benefits? Organic Coffee in Costa Rica	Salvatore di Falco
Stephanie Giamporcaro	A Market for Environmentally Responsible Investment? Identifying Obstacles and Enablers of Commodification of Environmental Risks in the South African Investment Industry	Chantal Line Carpentier
Chantal Line Carpentier	Leveraging the private sector in CSD	

Parallel Session 3A: Room 1: Topic: The economics of biodiversity and ecosystem conservation and management

Chairperson: Edwin Muchapondwa

Presenter	Title of paper	Discussant
Jesper Stage	Saving Kenya's Wildlife Corridors: Economic Benefits and Costs	Edwin Muchapondwa
Johane Dikgang	The effect of the Land Restitution Programme on Poverty Reduction among the Khomani San	Precious Zikhali
Edwin Muchapondwa	Evaluating the Dry-lands Ecosystem Services on Khomani San Communal Land and the Possible Implications on a Payment for Ecosystem Services Scheme*	Peter Berck

Parallel Session 3B: Room 2: Topic: REDD and land use change

Chairperson: Roger Sedjo

Presenter	Title of paper	Discussant
Elizabeth Robinson	Improving the potential for successful implementation of REDD in Tanzania*	Randy Bluffstone
Randy Bluffstone, (Alemu Mekonnen and Zenebe Gebreegziabher)	Common Property Forest Management: Implications for REDD in Ethiopia*	Paul Guthiga
Simon Wagura	REDD+ and forest management in Kenya: a choice experiment Approach*	Francisco Alpizar ???

Saturday October 30

Parallel Session 4A: Room 1: Topic: Sustainable agriculture and poverty

Chairperson: Menale Kassie

Presenter	Title of paper	Discussant
Hailemariam Teklewolde	Jointness in agricultural production and technology adoption for organic fertilizer with implications for sustainable resource management in Ethiopia	Mintewab Bezabih
Mare Sarr	Risk Preferences and Environmental Uncertainty: Implications for Crop Diversification Decisions in Ethiopia	Salvatore di Falco
Mintewab Bezabih	The Role of Land Certification in Reducing Gender Gaps in Productivity in Rural Ethiopia	Adolf Mkenda

Parallel Session 4B : Room 2: Topic: Analysis of implications of climate change using CGE

Chairperson: Jörgen Levin

Presenter	Title of paper	Discussant
Jesper Stage	Climate Change and the Ethiopian Economy	Stein Holden
Zenebe Gebreegziabher	Impact of Biofuel Investment on Growth and Poverty Reduction in Ethiopia: CGE Analysis	Jörgen Levin
Zenebe Gebreegziabher	Economic Costs and Poverty Implications of Agricultural Land Degradation in Ethiopia: An Economy-wide Analysis *	John Mduma

Parallel Session 5A: Room 1: Topic: Responses to climate risk

Chairperson: Mintewab Bezabih

Presenter	Title of paper	Discussant
Maria Damon	On Environmental Shocks and Rates of Time Preference	Peter Martinsson
Francisco Alpízar and Róger Madrigal	Measuring the effects of flood risk on migration flows: An application for Costa Rica*	Maria Damon
Ferri Gwata (and Martine Visser)	Climate Risk: measuring risk aversion among asset poor small farmers in the western Cape, South Africa	Adolf Mkenda

Parallel Session 5B: Room 2: Topic: Management of commons: Enforcement, compliance and corruption

Chairperson: Elizabeth Robinson

Presenter	Title of paper	Discussant
Edwin Muchapondwa	Abalone Conservation in the Presence of Drug Use and Corruption: Implications for Its Management in South Africa	Håkan Eggert
Geoffrey Sikei	Perceptions of the Local Community at Kakamega, Kenya on Forest Management Attributes	Haoran He
Jo Albers	The trees and the bees: Using enforcement and income projects to protect forests and rural	Randy Bluffstone

Parallel Session 6A: Room 1: Topic: Wellbeing, institutions and basic services

Chairperson: Moses Ikiara

Presenter	Title of paper	Discussant
Haoran He	Household Decision Making in Rural China: Using Experiments to Estimate the Influences of Spouses	Mare Sarr
Róger Madrigal	What affects the satisfaction of people with drinking water in small rural communities?	Menale Kassie
Moses Ikiara	Tracking Progress of Water Sector Reforms in Kenya: the Role of Institutions in Water Resources Management*	Precious Zikhali

Parallel Session 6B: Room 2: Topic: REDD and land use change

Chairperson: Lunyu Xie

Presenter	Title of paper	Discussant
Randy Bluffstone and Alemu Mekonnen	Does Common Property Forest Management Change On-Farm Behavior? Evidence on Tree Planting in Highland Ethiopia	Anders Ekbohm
Wilfred Nyangena	The New Forest Management Regime in Kenya: Effects on Household Farm Forestry Decisions in Kakamega	Zenebe Gebreegziabher
Razack Lokina	Investments, Labor Market Participation and Participatory Forest Management in Tanzania*	Lunyu Xie

Sunday October 31

Parallel Session 7A: Room 1: Topic: Responses to climate risk

Chairperson: Maria Damon

Presenter	Title of paper	Discussant
Salvatore di Falco	Does adaptation to climate change provide food security	Aloyce Hepelwa
Salvatore di Falco	On Adaptation to Climate Change and Food Security in Ethiopia*	Feri Gwata
Francisco Alpizar	Exploring the potential of safety nets as part of an adaptation to climate change strategy in Central America*	Jesper Stage

Parallel Session 7B: Room 2: Topic: Management of Commons: Enforcement, Compliance and Corruption

Chairperson: Razack Lokina

Presenter	Title of paper	Discussant
Paul Guthiga	Assessing economic potential of reducing deforestation and degradation in a Kenyan tropical rainforest: Local community perspective	Yonas Alem
Zenebe Gebreegziabher	Traditional Common Property Systems and Their Role in the Management of Renewable Natural Resources*	Razack Lokina
Håkan Eggert	Rainfall risk and liquidity constraints in Indian agriculture	Wilfred Nyangena

Parallel Session 8A: Room 1: Topic: Household energy demand

Chairperson: Gunnar Köhlin

Presenter	Title of paper	Discussant
Zenebe Gebreegziabher	Rural Households Fuel Choice and Seasonal Patterns of Fuel Collection in Ethiopia: the Case of Tigrai	Elizabeth Robinson
Wisdom Akpalu	Demand for cooking fuels in a developing country: To what extent do taste and preferences matter?	Alemu Mekonnen
Gunnar Köhlin	Invitation by Subhrendu Pattanayak to work on fuel choice, indoor air pollution and improved stoves + WB energy strategy background paper	

Parallel Session 8B: Room 2: Topic: Environmental justice and climate policy

Chairperson: Ping Qin

Presenter	Title of paper	Discussant
Thomas Sterner	A Fair Share: Perceptions of Climate Justice in the US and China	Francisco Alpizar
Ping Qin	The truth, the whole truth and nothing but the truth: a multi-country test of an oath script	Wisdom Akpalu
Carolyn Fischer	Global Effects of Subglobal Climate Policies	Thomas Sterner

Environment for Development

The **Environment for Development** (Efd) initiative is an environmental economics program focused on international research collaboration, policy advice, and academic training. It supports centers in Central America, China, Ethiopia, Kenya, South Africa, and Tanzania, in partnership with the Environmental Economics Unit at Göteborg University in Sweden and Resources for the Future in Washington, DC. Financial support for the program is provided by the Swedish International Development Cooperation Agency (Sida). Read more about the program at www.efdinitiative.org or contact info@efdinitiative.org.

Central America

Environment for Development Program for Central America
Centro Agronómico Tropical de Investigación y Enseñanza (CATIE)
Email: centralamerica@efdinitiative.org



China

Environmental Economics Program in China (EEPC)
Peking University
Email: china@efdinitiative.org



Ethiopia

Environmental Economics Policy Forum for Ethiopia (EEPFE)
Ethiopian Development Research Institute (EDRI/AAU)
Email: ethiopia@efdinitiative.org



Kenya

Environment for Development Kenya
Kenya Institute for Public Policy Research and Analysis (KIPPRA)
Nairobi University
Email: kenya@efdinitiative.org



South Africa

Environmental Policy Research Unit (EPRU)
University of Cape Town
Email: southafrica@efdinitiative.org



Tanzania

Environment for Development Tanzania
University of Dar es Salaam
Email: tanzania@efdinitiative.org



School of Business,
Economics and Law
GÖTEBORG UNIVERSITY

