



# Environment for Development Sixth Annual Meeting

October 25 - 29, 2012

## Arenal Manoa Hotel, Costa Rica

### Program

#### Friday October 26

- 08:00 - 09:15      EfD plenary session 1: *Welcome remarks, workshop overview, and EfD Research and dissemination*  
**Gunnar Köhlin** – Director, Environment for Development, Associate Professor, Environmental Economics Unit, Department of Economics, Göteborg University  
**Francisco Alpízar** – Director, Environment for Development Initiative, Costa Rica  
**Karin Backteman** – EfD Communications Officer  
**Yonas Alem** – EfD Research Coordinator,
- 09:15 - 10:15      Keynote speech 1: *Structural change, dualism and economic development*  
**Ed Barbier** – John S Bugas Professor of Economics, Department of Economics and Finance, University of Wyoming  
Chair: **Francisco Alpízar**
- 10:15- 10:45      Discussion
- 10:45- 11:15      Coffee Break
- 11:15- 11:45      EfD plenary session 2: *Better Research through inter-disciplinary syntheses*  
**Jim Boyd** - concrete ideas for SESYNC-EfD interactions  
Chair: **Gunnar Köhlin**
- 11:45 - 12:45      EfD Collaborative Projects
- 12:45 - 14:30      Lunch
- 14:30 - 16:30      Parallel sessions 1A & 1B
- 16:30 - 17:00      Coffee Break
- 17:00 - 19:00      Coordination Committee Meeting I: **(By invitation only)**  
Optional Short Excursion I:
- 19:00              Welcome Dinner: Don Rufino Restaurant, La Fortuna (departure from lobby area)

## Saturday October 27:

- 08:30 - 09:15 EfD plenary session 3: *Policy impact with environmental economics: Experience from Environmental Defense Fund (EDF)*  
**David Festa** –  
Chair: **Thomas Sterner**
- 09:15 - 10:15 Keynote speech 2: *Measuring the impacts of environmental policies on the environment and the poor: protected areas and ecosystem services*  
**Paul Ferraro** – Professor of Economics, Department of Economics, Andrew Young School of Policy Studies, Georgia State University  
Chair: **María A. Naranjo**
- 10:15 - 10:30 Discussion
- 10:30 - 11:00 Coffee
- 11:00 - 13:00 Parallel sessions 2A & 2B
- 13:00 - 14:30 Lunch
- 14:30 - 16:30 Parallel sessions 3A & 3B
- 16:30 - 17:00 Coffee break
- 17:00 Short Excursion and dinner: Eco-Termale Hot Springs (departure from lobby area)

## Sunday October 28

- 08:30 - 10:30 EfD plenary session 4 (**Panel Discussion**): *Economic analysis of ecosystem services*  
**Panelists:**  
**Glenn-Marie Lange:** The WAVES Global Partnership on Natural Capital Accounting: progress in advancing the policy agenda  
**Jim Boyd:** An economic perspective on ecological production systems  
**Jeff Vincent:** The complementarity of valuation and evaluation in economic analyses of ecosystem service programs  
**Rebecca Shaw:**  
**Jane Turpie:** The value of mapping ecosystem services  
**Chair:** Francisco Alpizar
- 10:30 - 11:00 Coffee break
- 11:00 - 13:00 Parallel sessions 4A & 4B
- 13:00 - 14:30 Lunch
- 14:30 - 16:30 Parallel sessions 5A & 5B
- 16:30 - 17:00 Coffee break
- 17:00 - 19:00 Coordination committee meeting II: (**By invitation only**)

Optional short excursion II:  
19:00 Closing Dinner: BBQ Hotel Manoa Restaurant

## Monday October 29

08:00 - 08:45 Keynote speech 3: **Understanding REDD: what and how can we learn from pilot projects?**  
**Erin Sills**– Associate Professor, NC State University, Department of Forestry and Environmental Resources  
Chair: **Juan Robalino**

08:45 - 09:00 Discussion

09:00 - 09:30 Coffee break

09:30 - 11:30 Parallel sessions 6A & 6B

11:40 - 12:30 EfD General Assembly and Closing

12:30 - 14:00 Lunch and check - out from Hotel Arenal Manoa

14:00 - 19:00 Half a day excursion: Puentes Colgantes (<http://www.hangingbridges.com/>)

19:00 Check-in hotel near airport

## Parallel Sessions

**Friday October 26, 2012**

**Parallel Session 1A:** Main Hall

**Topic:** Transportation, congestion and pollution, 14:30 - 16:30

**Chairperson:** Peter Berck

Presenter	Title of Paper	Discussant
<b>Jorge Alexander Bonilla</b>	Effects of the increased stringency of driving restrictions on air quality and car use in Bogota	Jianhua Xu
<b>Jianhua Xu*</b>	Risk - risk tradeoffs in public policy: on reducing health risks posed by mercury pollution in China	Jorge A Bonilla
<b>Ping Qin</b>	Economics analysis of a work - trip mode choice in Beijing	Peter Berck
<b>Ping Qin *</b>	The value of automobile travel time and its congestion policy implications.	Xiaojun Yang

**Parallel Session 1B:** Annex

**Topic:** Climate change, migration and health, 14:30 - 16:30

**Chairperson:** Yonas Alem

Presenter	Title of Paper	Discussant
<b>Juan Robalino</b>	Hydro-meteorological emergencies and internal migration: Could migration serve as an adaptation strategy to extreme climatic events?	Dale Whittington
<b>Juan Robalino*</b>	Migration as an adaptation strategy: Analyzing the effects of extreme weather events on local migration in Guatemala.	Yonas Alem
<b>Yonas Alem*</b>	Migration, environment and climate change in Africa: Documenting the evidence	Juan Robalino
<b>Dale Whittington</b>	Economic Costs Incurred by Households in the 2011 Bangkok Flood	Jane Mariara

**Saturday October 27, 2012**

**Parallel Session 2A: Main Hall**

**Topic:** Water use and pricing, 11:00 - 13:00

**Chairperson:** Moses Ikiara

Presenter	Title of Paper	Discussant
<b>Simon Wagura Ndiritu</b>	Risk perception, choice of drinking water and water treatment: Evidence from Kenyan towns	Peter Kimuyu
<b>Peter Kimuyu*</b>	Where do Kenyan households get water and how much water do they use?	Simon Wagura
<b>Wilfred Nyangena *</b>	Pricing water in Kenya: The case of lake Naivasha basin	Róger Madrigal-Ballesteró
<b>Róger Madrigal-Ballesteró *</b>	Household adaptation to seasonal droughts in rural drinking water systems	Wilfred Nyangena

**Parallel Session 2B: Annex**

**Topic:** Climate change: impacts & adaptation strategies I, 11:00 - 13:00

**Chairperson:** Jane Mariara

Presenter	Title of Paper	Discussant
<b>Salvatore Di Falco</b>	How African agriculture can adapt to climate change? Field evidence from the Nile basin of Ethiopia	Wilfred Nyangena
<b>Wilfred Nyangena*</b>	Impact of climate change adaptation strategies on poverty and incomes of smallholder farmers in semi-arid districts of Kenya: a minimum-data tradeoff (TOA-MD) analysis	Salvatore Di Falco
<b>Aloyce Hepelwa *</b>	Sustainable financing options of the climate change and climate variability adaptation measures by rural smallholder farmers in Tanzania	Adolf Mkenda
<b>Adolf Mkenda*</b>	The vulnerability of households welfare to shocks in Tanzania	Jonathan Colmer

**Parallel Session 3A: Main Hall****Topic:** Climate variability and household welfare, 14:30 - 16:30**Chairperson:** Salvatore Di Falco

Presenter	Title of Paper	Discussant
<b>Jonathan Colmer</b>	Climate variability, child labour and human capital accumulation: Evidence from rural Ethiopia	Mintewab Bezabih
<b>Mintewab Bezabih</b>	On the impact of weather and climate on agriculture: Evidence from Ethiopia	Jonathan Colmer
<b>Yonas Alem</b>	The welfare cost of rainfall variability: A life satisfaction approach	Salvatore Di Falco
<b>Salvatore Di Falco*</b>	Adaptation to climate change in Ethiopia: The potential role of sustainable land management practices	Yonas Alem

**Parallel Session 3B: Main Hall****Topic:** Ecosystem services, wildlife and REDD, 14:30 - 16:30**Chairperson:** Jeff Vincent

Presenter	Title of Paper	Discussant
<b>Francisco Alpizar</b>	Unintended consequences of payments for ecosystem services: Behavioral spillovers from targeting deforestation threat.	Juha Siikamaki
<b>Juha Siikamaki,</b>	Global potential for REDD programs to protect biodiversity	Francisco Alpizar
<b>Gardner Brown</b>	Park management policies: Entry fee, bed tax and auction	Jeff Vincent
<b>Edwin Muchapondwa *</b>	The role of institutions in wildlife conservation in South Africa and Zimbabwe: A social-ecological systems approach	Gardner Brown

## Sunday, October 28

### Parallel Session 4A: Main Hall

**Topic:** Forestry and REDD– I, 11:00-13:00

**Chairperson:** Jo Albers

Presenter	Title of Paper	Discussant
<b>Allen Blackman</b>	Does land titling system stem forest damage? Native communities in the Peruvian Amazon	Jo Albers
<b>Priscilla Cooke</b>	Community forest management and disadvantaged households in Nepal	Razack Lokina
<b>Razack Lokina *</b>	Economic analysis of REDD's climate change mitigation scheme in Tanzania	Wilfred Nyangena
<b>Miguel Quiroga</b>	Determinants for community participation in conservation efforts of an endemic species ( <i>Abies Guatemalensis</i> Rehder) through cultivation: the experience in three rural communities of Guatemala	Allen Blackman

### Parallel Session 4B: Annex

**Topic:** Energy, 11:00-13:00

**Chairperson:** Alemu Mekonnen

Presenter	Title of Paper	Discussant
<b>Abebe Damte</b>	Household fuel choice in urban Ethiopia: A random-effects Multinomial Logit analysis	Sied Hassen
<b>Abebe Damte *</b>	Micro and macro-level approaches for assessing the demand and impact of the electricity sector in Ethiopia	Subhrendu Pattanayak
<b>Sied Hassen</b>	The dynamics of electric cook stove adoption: Panel data evidence from Ethiopia	Abebe Damte
<b>Subhrendu Pattanayak</b>	Eat, drink, man, woman: Evidence on gender-differentiated impacts of indoor air pollution from India."	Gunnar Köhlin

**Parallel Session 5A: Main Hall****Topic:** Experiments and environmental conservation, 14:30-16:30**Chairperson:** Peter Martinsson

Presenter	Title of Paper	Discussant
<b>Francisco Alpizar</b>	Reputation and household recycling practices: Field experiments in Costa Rica	Alemu Mekonen
<b>Salvatore Di Falco *</b>	Micro loans and borrower's behavior: What is the role of environmental conservation?	Peter Martinsson
<b>Anna Norden</b>	Cash or in-kind payments for environmental services? Evidence from stated preferences of landowners in Costa Rica	Xiaojun Yang
<b>Xiaojun Yang</b>	Are joint household decisions more extreme than individual decisions?	Francisco Alpizar

**Parallel Session 5B: Annex****Topic:** Agriculture, 14:30 - 16:30**Chairperson:** Stephen Kirama

Presenter	Title of Paper	Discussant
<b>Jesper Stage</b>	Gender discrimination and food security in Kenya: Application of switching regression and matching method	Wilfred Nyangena
<b>Abebe Damte *</b>	Impact, vulnerability and adaptation options of climate change in pastoral areas of Ethiopia	Razack Lokina
<b>Zenebe Gebregziabher *</b>	Economic valuation (pricing), institutions, and water use efficiency in smallholder irrigation systems in Ethiopia	Moses Ikiara
<b>Razackk Lockina *</b>	Land conservation technologies adoption and its impact on smallholder agriculture in Tanzania: A case study of REDD implementing areas	Adolf Mkenda



## Monday October 29, 2012

### Parallel Session 6A: Main Hall

**Topic:** Fisheries and others, 09:30 - 11:30

**Chairperson:** Jintao Xu

Presenter	Title of Paper	Discussant
<b>Jorge Dresdner</b>	El Niño effect on fishing effort location: The Chilean-Transzonal Jack Mackerel Fishery	Gardner Brown
<b>Jane Turpie *</b>	The demand for recreational angling in South Africa: implications of alternative management options for a depleted fishery	Razack Lokina
<b>Razack Lokina*</b>	Accounting for preference heterogeneity in valuing preservation of endangered <i>Kilwa Kisiwani</i> and <i>Songo Mnara</i> World Heritage Site in Tanzania	Maria Damon
<b>Jorge Maldonado</b>	Understanding fishing communities: A practical approach to estimate adaptive capacity	Edwin Muchapondwa

### Parallel Session 6B: Annex

**Topic:** Adaptation to temperature, forestry and REDD, 09:30 - 11:30

**Chairperson:** Mare Sarr

Presenter	Title of Paper	Discussant
<b>Carlos Chavez</b>	Monitoring, firms' compliance, and imposition of fines: Evidence from the federal industrial inspection program in Mexico City	Jorge Bonilla
<b>Peter Berck</b>	Adaptation to temperature	Randy Bluffstone
<b>Anna Norden</b>	Incentives, impacts, and behavioral issues in the context of Payment for Ecosystem Services Programs: Lessons for REDD+	Elizabeth Robinson
<b>Zenebe Gebregziabher *</b>	Local institutions and better forests: Empirical evidence from household data	Priscilla Cooke

\* Proposal

## **Guidelines for Chairs, Discussants and Presenters**

### **Guidelines for Chairs**

**Keep time:** each session runs for around 2 hours and consists of 4 presentations. 15 -20 minutes are allocated per presentation, 4 minutes for each discussant and 6-10 minutes for general discussion.

It is possible that, due to presenters dropping out, your session may have fewer presentations in it. In this case, please do not take more time for the presentation or for the discussant's comments, so as to allow attendees to move to the other parallel session at the end of the last paper. As participants may like to move between sessions to listen to papers of their interest, please follow the order on the programme as much as possible.

Remind presenters when 5 and 2 minutes are left.

### **Guidelines for Presenters:**

Please make effort to make your presentation brief but informative and wind it up on time. It is advisable not to have more than 10-15 slides and please make sure to upload your slides in good time before the session begins.

### **Guidelines for discussants:**

Please do not take time to summarize the paper, or use power point slides. Pick up three or maximum four substantial issues in order to start the discussion and please keep to your allotted time. It would be appreciated if you could communicate your detailed comments to presenters by e-mail.

## 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](http://www.efdinitiative.org) or contact [info@efdinitiative.org](mailto:info@efdinitiative.org).

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