



# Environment for Development Initiative Eighth Annual Meeting

October 23 - 26, 2014  
Ledger Plaza Bahari Beach, Tanzania

## Program

### Thursday October 23

- 08:30 - 09:00 EFD plenary session 1: *Welcome remarks, and workshop overview*  
**Gunnar Köhlin** – Director, Environment for Development Initiative, Associate Professor, Department of Economics, University of Gothenburg  
**Razack Lokina** – Director, Environment for Development Initiative, Tanzania  
**Yonas Alem** – EFD Research Director, Department of Economics, University of Gothenburg
- 09:00 - 10:00 Keynote speech 1: *Regime shifts, planetary boundaries and behavior*  
**Anne-Sophie Crépin** – Deputy Director of the Beijer Institute of Ecological Economics Research and Team leader for the “Global and cross-level dynamics in social-ecological systems” at Stockholm Resilience Centre  
Chair: **Thomas Sterner**
- 10:00- 10:15 Presentation: *Progress in Policies for Resilience and Development in the Anthropocene*  
**Thomas Sterner** – Professor in Environmental Economics, University of Gothenburg
- 10:15- 10:45 Coffee Break
- 10:45- 12:45 Parallel sessions 1A, 1B& 1C
- 12:45 - 13:45 Lunch
- 13:45 - 15:45 Parallel sessions 2A, 2B& 2C
- 15:45 - 16:15 Coffee Break
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- 16:15 – 17:15 Presentation: *Technology for Remote Collaboration and Learning*  
**Lutz Zio** -Dean of 4Afrika Academy, Microsoft
- 16:15– 17:45 Individual research meetings and interactions
- 17:15 – 18:45 EFD Board/Coordination Committee Meeting (**By invitation only**)
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- 19:00 Welcome Dinner at Ledger Plaza Bahari Beach

### Friday October 24

- 08:30- 09:30 Keynote speech 2: *The Political Economy of Natural Resource Exploitation*  
**Ola Olsson**– Professor in Development Economics, University of Gothenburg  
Chair: **Adolf Mkenda** - Deputy Permanent Secretary (Public Finance Management), Ministry of Finance, United Republic of Tanzania
- 09:30 - 10:00 Presentation: *“Working towards smarter environmental policy – EDF’s strategies for using research to counter political resistance to change”*  
**Susanne Brooks** - Senior Manager, Office of Economic Policy and Analysis, EDF

Chair: **Adolf Mkenda**

- 10:00 - 10:30 Coffee
- 10:30 - 12:30 Parallel sessions 3A& 3B
- 12:30 - 13:30 Lunch
- 13:30 - 15:30 Parallel sessions 4A & 4B
- 15:30 - 16:00 Coffee Break
- 16:00 - 17:30 Presentation: *Writing with the audience in mind: Discussion papers, Research Briefs and Policy Briefs*  
**Cyndi Berck** – International Academic Editorial Services (For EFD Senior Research Fellows and Research Fellows)
- 16:00 - 18:00 EFD Research Committee Meeting (**By invitation only**)
- 19:00 Dinner at Ledger Plaza Bahari Beach

### Saturday October 25

- 08:30 –09:40 Keynote speech 3: *Fueling environment for development: Lessons from energy studies in rural Asia*  
**Subhrendu Pattanayak**, Professor of Public Policy, Environment, Economics and Global Health, Duke University and University of Gothenburg  
Chair: **Yonas Alem**
- 09:40 - 10:00 Presentation: *Beyond IPCC – Future Paths for Climate Research*  
**Thomas Sterner** – Professor of Environmental Economics, University of Gothenburg  
Chair: **Yonas Alem**
- 10:00 - 10:30 Coffee
- 10:30 - 12:30 Parallel sessions 5A& 5B
- 12:30 Group photo, lunch and excursion to Bagamoyo Historic Town
- 19:00 Closing Dinner at Giraffe Ocean View Hotel Restaurant

### Sunday October 26

- 08:30 - 09:30 Keynote speech 4: *Understanding Citizens' Reactions to Economists' Water Policy Proposals*  
**Dale Whittington** – Professor of Environmental Sciences & Engineering, City & Regional Planning, and Public Policy, University of North Carolina at Chapel Hill  
Chair: **Gunnar Köhlin**
- 09:30 - 10:00 Presentation: *Wealth Accounting and the Value of Ecosystem Services (WAVES)*  
**Jessica Alvsilver**-Environmental Economist, Naturvårdsverket (Swedish EPA)  
Chair: **Gunnar Köhlin**
- 10:00 - 10:30 Coffee
- 10:30 - 12:30 Parallel sessions 6A & 6B
- 12:30 - 13:30 Lunch
- 13:30 - 14:00 EFD Research and Gunnar Köhlin's Best MSc. Thesis Award: **Yonas Alem**
- 14:00-15:30 General Assembly and Closing

**Thursday Oct. 23, 2014 - Morning**  
**Parallel Sessions 1A, 1B & 1C**

**Parallel Session 1A:** Room 1

**Topic:** Water Resources, 10:45- 12:45

**Chairperson:** Jane Mariara

Presenter	Title of Paper	Discussant
<b>Joe Cook</b>	Estimating the value of travel time in rural Africa from a stated preference experiment on water source choices	Marcela Jaime
<b>Marcela Jaime</b>	Social norms and information diffusion in water-saving programs: Evidence from a randomised field experiment in Colombia	David Fuente
<b>David Fuente</b>	Water and sanitation service delivery, pricing, and the poor: An empirical analysis of subsidy incidence in Nairobi, Kenya.	Claudine Uwera
<b>Jane Mariara</b>	Water pricing and the demand for municipal water and sanitation services in Kenya*	Wilhelm Ngasamiaku

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**Parallel Session 1B:** Room 2

**Topic:** Policy Design/Transport, 10:45- 12:45

**Chairperson:** Ping Qin

Presenter	Title of Paper	Discussant
<b>Jonathan Camuzeaux</b>	U.S. Heavy-Duty Vehicles on the Move towards Natural Gas: Will the Climate Benefit?	Zhuo Huang
<b>Zhuo Huang</b>	Is There a Structural Change in Persistence of WTI-Brent Oil Price Spreads in Post-2010?	Jonathan Camuzeaux
<b>Hang Yin</b>	Reducing the gap between stated and real behavior in transport studies: The use of an oath script	Ping Qin
<b>Ping Qin</b>	The Social Cost of Beijing's driving restrictions program: A stated preference approach*	Hang Yin

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**Parallel Session 1C:** Room 3

**Topic:** Forestry and Wildlife, 10:45- 12:45

**Chairperson:** Jo Albers

Presenter	Title of Paper	Discussant
<b>CorethaKomba</b>	Economic Incentives for Climate Change Mitigation: An Analysis of Factors Affecting Household Willingness to Accept Participation in the REDD+ program	Elizabeth Robinson
<b>Randy Bluffstone</b>	Does Collective Action Sequester Carbon? The Case of the Nepal Community Forestry Program	Jo Albers
<b>Elizabeth J Robinson</b>	Forest tenure reforms in Africa and Asia: Directions for Research and Implications for Policy	Razack Lokina
<b>Jo Albers</b>	Wildlife Corridors and Communities in the East and West Usambara Mountains: Toward Integrating Social and Biological Information in Conservation Policy and Priorities*	CorethaKomba

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**Thursday Oct. 23, 2014: Afternoon**  
**Parallel Sessions 2A, 2B & 2C**

**Parallel Session 2A:** Room 1

**Topic:** Parks and Wildlife, 13:45- 15:45

**Chairperson:** Francisco Alpizar

Presenter	Title of Paper	Discussant
<b>Herbert Ntuli</b>	The Role of Institutions in Community Wildlife Conservation in Zimbabwe	Garder Brown
<b>Garder Brown</b>	Finding a Best Conservation Park Entry Fee for Kruger national Park	Francisco Alpizar
<b>JohaneDikgang</b>	Peak Load Pricing and Welfare Effects of Policy Changes for National Parks in South Africa*	John Mduma
<b>Francisco Alpizar</b>	Combining state of the art science with practitioner's wisdom in the design of PES schemes: Lessons from the Costa Rican experience*	Herbert Ntuli

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**Parallel Session 2B:** Room 2

**Topic:** Experiments, 13:45- 15:45

**Chairperson:** Peter Martinsson

Presenter	Title of Paper	Discussant
<b>Jesper Stage</b>	How Much is Too Much? Individual Biodiversity Conservation	Haileselassie Mehdin
<b>Haileselassie Mehdin</b>	Framing and Regulation in the Commons: Experimental Evidence from Rural Ethiopia	Dawit W. Mulatu
<b>Peter Martinsson</b>	Can Nonbinding Agreements Improve Cooperation? - Experimental Evidence from the Field	Xiaojun Yang
<b>Xiaojun Yang</b>	Cooperation and informal social institution: experimental evidence from rural irrigation canal management in northwestern China*	Jesper Stage

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**Parallel Session 2C:** Room 3

**Topic:** Climate Change: Impacts and Adaptation, 13:45- 15:45

**Chairperson:** Richard Mulwa

Presenter	Title of Paper	Discussant
<b>Byela Tibesigwa</b>	Gender Differences in Climate Change Risk, Vulnerability and Adaptation: A study of rural households' reliance on agriculture and natural resources to sustain livelihoods	Richard Mulwa
<b>CorethaKomba</b>	Adaptation to Climate Change by Smallholder Farmers in Tanzania	Jane Mariara
<b>Jane Mariara</b>	Adaptation to Climate Change and its Implications on Food Security among Smallholder Farmers in Kenya's	Byela Tibesigwa
<b>Richard Mulwa</b>	Influence of climatic factors and climate change adaptation strategies on farm productive efficiency in Kenya*	CorethaKomba

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**Friday Oct. 24, 2014: Morning  
Parallel Sessions 3A & 3B**

**Parallel Session 3A:** Room 1

**Topic:** Climate Change and Weather Variability, 10:30- 12:30

**Chairperson:** Jintao Xu

Presenter	Title of Paper	Discussant
<b>Jintao Xu</b>	The economic impacts of weather variability on China's rice sector	Laura Villalobos-Fiatt
<b>Aloyce Hepelwa</b>	Financing Needs for Adaptation to Climate Change and Variability: Evidence From Smallholder Farmers in Tanzania	MintewabBezabih
<b>Laura Villalobos-Fiatt</b>	Can anti-poverty policies reduce vulnerability to weather shocks?*	Jintao Xu
<b>Byela Tibesigwa</b>	The Role of Behavioural Interventions in Climate-Change Adaptation and Mitigation*	Aloyce Hepelwa

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**Parallel Session 3B:** Room 2

**Topic:** Agriculture I: Technology Adoption, 10:30- 12:30

**Chairperson:** Menale Kassie

Presenter	Title of Paper	Discussant
<b>Sied Hassen</b>	Disadoption, substitutability and complementarity of agricultural technologies: A Random Effects Multivariate Probit Analysis	Menale Kassie
<b>Salvatore Di Falco</b>	Disentangling the Benefits of Agricultural Innovations: Behavioural Responses versus Technological Change in Tanzania	Jane Mariara
<b>Jane Mariara</b>	Effects of Climate and Weather variability on adoption of sustainable land management technologies in Kenya	Sied Hassen
<b>Menale Kassie</b>	Technology diversification: assessing impacts of crop income and agro-chemical use in Malawi	Salvatore Di Falco

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**Friday Oct. 24, 2014: Afternoon  
Parallel Sessions 4A & 4B**

**Parallel Session 4A: Room 1**

**Topic:** Pollution and Policy, 10:30- 12:30

**Chairperson:** Min Wang

Presenter	Title of Paper	Discussant
<b>Min Wang</b>	Optimal Health and Environmental Policies in a Pollution-Growth Nexus	Xiao-Bing Zang
<b>Xiao-Bing Zhang</b>	Prices vs. quantities for multiple stock pollutants with an application to global warming	Huang Zhuo
<b>Ping Qin</b>	Wheels of Fortune: Subway Expansion and Property Values in Beijing	Tarekegne W. Wassie
<b>Tarekegne W. Wassie</b>	An economy-wide analysis of GHG emissions tax in Ethiopia: Towards inclusive green growth*	Min Wang

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**Parallel Session 4B: Room 2**

**Topic:** Agriculture II: Risk and Shocks, 10:30- 12:30

**Chairperson:** Byela Tibesigwa

Presenter	Title of Paper	Discussant
<b>Peter Berck</b>	Rain and Impatience: Climatic Factors and Investment in Soil Conservation	Hailu Elias
<b>Hailu Elias</b>	Shocks and Household Asset Dynamics in Rural Ethiopia	MintewabBezabih
<b>Helen Berga</b>	Gendered Risk Preferences: Evidence from Ethiopia's Nile Basin	Haileselassie Medhin

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**Saturday Oct. 25, 2014: Morning  
Parallel Sessions 5A & 5B**

**Parallel Session 5A:** Room 1

**Topic:** Forestry and Energy, 10:30- 12:30

**Chairperson:** Yonas Alem

Presenter	Title of Paper	Discussant
<b>Randy Bluffstone</b>	The Value and Preferences for Improved Cook Stoves: A Choice Experiment in Ethiopia	Sied Hassen
<b>Beia Spiller</b>	How electricity tariffs can affect returns on solar investments	Peter Kimuyu
<b>Francisco Alpizar</b>	Improving energy efficiency in Costa Rican households: the effect of pecuniary and non-pecuniary incentives in shaping the timing of consumption*	Yonas Alem
<b>Yonas Alem</b>	The Impact of Modern Cooking Stoves and Energy Prices on Charcoal Consumption in Urban Africa: Evidence from RCT in Tanzania**	Subhrendu Pattanayak

\*Proposal, \*\* Funded by the International Growth Center (IGC)

**Parallel Session 5B:** Room 2

**Topic:** Fisheries and Marine Protected Areas, 10:30- 12:30

**Chairperson:** Carlos Chavez

Presenter	Title of Paper	Discussant
<b>Jane Turpie</b>	Potential impacts of the proposed Addo MPA, South Africa, on industrial and small-scale fisheries	Róger Madrigal
<b>Jo Albers</b>	Siting and Managing Marine Protected Areas in Low-Income Countries: Tanzania and Costa Rica	Carlos Chavez
<b>Carlos Chavez</b>	Quota Compliance in Territorial Use Rights in Fisheries: An Experimental Analysis of Formal and Informal Enforcement with Changes in Abundance	Jane Turpie
<b>Róger Madrigal</b>	Individual Incentives to cooperate within community-based resource management*	Xiao-Bing Zhang

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**Sunday Oct. 26, 2014: Morning  
Parallel Sessions 6A & 6B**

**Parallel Session 6A:** Room 1

**Topic:** Agriculture III: Technology Adoption and Tenure Security, 10:30- 12:30

**Chairperson:** Alemu Mekonnen

Presenter	Title of Paper	Discussant
<b>Marcella Veronesi</b>	Climatic Anomalies and Conflicts: the Role of Tenure Security on Land Disputes	Alemu Mekonnen
<b>Alemu Mekonnen</b>	"Can Improved Biomass Cookstoves Contribute to REDD+ Contracts in Low-Income Countries? Results from a Randomized Trial in Ethiopia"	Gunnar Köhlin
<b>Remidius Ruhinduka</b>	Estimating the impact of The New system of Rice Intensification (SRI) on Crop Net Income and household expenditure among the rain dependent rice farmers	Marcella Veronesi
<b>MintewabBezabih</b>	Climate Change and the Adoption of Improved Varieties in multi-cropping Farming Systems	Remidius Ruhinduka

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**Parallel Session 6B:** Room 2

**Topic:** Fisheries, 10:30- 12:30

**Chairperson:** Carolyn Fischer

Presenter	Title of Paper	Discussant
<b>Carolyn Fischer</b>	Disease Risk, Market Power, and Strategic Environmental Policy: An Exploratory Analysis of Salmon Aquaculture	Hugo Salgado
<b>DawitWoubshetMulatu</b>	Valuing Fishery: Ecosystem-Based Fisheries Management for Lake Naivasha, Kenya	Jorge David Dresdner
<b>Hugo Salgado</b>	ITQ Markets with Administrative Costs: An Application to the Industrial Common Sardine and Anchovy Fishery in Chile	Carolyn Fischer
<b>Jorge David Dresdner</b>	The behavior of hake prices in Chile: Is the world market leading?	DawitWoubshetMulatu

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

### **Guidelines for Chairs**

**Keep time:** each session runs for about 2 hours and consists of 4 presentations. 15 -20 minutes are allocated per presentation, 5 minutes for each discussant and 5-10 minutes for general discussion. A total of 30 minutes is allocated for each presentation.

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 substantive 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.

## Organisational matters

### Visas – Bring USD to pay for your Tanzanian visa!

US Citizens and citizens of Ireland: US\$100. Citizens of Pakistan: US \$200. Others: US\$50

Check <http://immigration.go.tz/module1.php?id=24> for country-specific fees

### Airport transfer

A driver will meet you at the airport in arrivals with an "EfD, Environment for Development" sign. The travel company being used is called Alesy Travel and Tours Ltd.

Mobile phones: +255 782 394 676 and +255 716 394 676.

They will take you directly to the hotel **Ledger Plaza Bahari Beach**

Address: KunduchiMtongeni Road, off Old Bagamoyo Road, Dar es Salaam, Tanzania

Email: sales1@ledgerplaza-baharibeach.com Phone: + 255 (22) 5550301

### Contacts in Dar es Salaam

The main contact is the organiser **Mr Salvatory Macha**, Environment for Development-Tanzania, Department of Economics, University of Dar es Salaam. Mobile phone: +255 754 750 975.

If you cannot reach Salvatory, you are welcome to contact the organisers from the EfD Secretariat, University of Gothenburg, on temporary Tanzanian mobile numbers.

Susanna Olai +255 766 039 094 (From 20 October)

Po-Ts'an Goh +255 765 763 658 (From 22 October)

### Related meetings program 20-22 October 2014

Meeting:	Policies for Resilience & Development in the Anthropocene Workshop		Policy Day	WAVES Workshop
Venue:	Ledger Plaza Bahari Beach KunduchiMtongeni Road, off Old Bagamoyo Road, Dar es Salaam +255 (22) 5550301		Golden Tulip Hotel Toure Drive, Dar es Salaam	
Organiser:	Environmental Economics Unit, University of Gothenburg; Stockholm Resilience Centre; Beijer Institute of Ecological Economics		EfD Tanzania, University of Dar es Salaam	Swedish EPA (Naturvårdsverket)
Date	Mon 20 Oct	Tue 21 Oct	Wed 22 Oct	
			08:00/08:30 Bus pick up from Ledger Plaza to Golden Tulip	
	09:30-11:00 Anthropocene Workshop	09:00-11:00 Anthropocene Workshop	09:30-11:00 Policy Day	09:30-11:00 WAVES Workshop
	11:00-11:30 Coffee Break	11:00-11:30 Coffee Break	11:00-11:20 Coffee Break	11:00-11:20 Coffee Break
	11:30-13:00 Anthropocene Workshop	11:30-13:00 Anthropocene Workshop	11:20-13:30 Policy Day	11:20-13:30 WAVES Workshop
	13:00-14:30 Lunch	13:00-14:30 Lunch	13:00-14:30 Lunch	13:00-14:30 Lunch
	14:30-16:00 Anthropocene Workshop	14:30-16:00 Anthropocene Workshop	14:30-16:30 Policy Day	14:30-16:30 WAVES Workshop
	16:00-16:30 Coffee break	16:00-16:30 Coffee break		
	16:30-18:00 Anthropocene Workshop	16:30-18:00 Anthropocene Workshop	16:30-18:30 EfD Board/Coordination Committee Meeting*	16:30-18:30 Policy Interaction and Communication meeting*
	18:00-19:30 Free time	18:00-19:30 Free time	18:30-20:00 Dinner - Golden Tulip	
	19:30-21:00 Dinner - Ledger Plaza	19:30-21:00 Dinner - Ledger Plaza	19:20 Bus to Swedish Embassy reception*	
			19:30-21:00 Swedish Embassy reception*	

\* By invitation only