



EFD INITIATIVE CENTER REPORT 2010: ETHIOPIA

Environmental Economics Policy Forum for Ethiopia (EEPFE) works to support poverty alleviation and sustainable development in Ethiopia through an increased use of environmental economics in policy making processes.

THIS REPORT

This report presents EfD Ethiopia/Environmental Economics Policy Forum for Ethiopia, its members and work during 2010.

The Ethiopian node of the Environment for Development initiative, EfD Ethiopia, is based at:

Environmental Economics Policy Forum for Ethiopia (EEPFE)

Ethiopian Development Research Institute (EDRI)

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www.efdinitiative.org/centers/ethiopia

Cover photo by Hailemariam Teklewold: A farmer on the trek to the market with his cattle. Pastoral areas of Borana in the Southern part of Ethiopia. Other photos: Hailemariam Teklewold, Karin Backteman, Karin Jonson

Graphic design: Anders Wennerström, Spiro Kommunikation

Layout: Karin Backteman

Gheralta, Tigray, Northern Ethiopia

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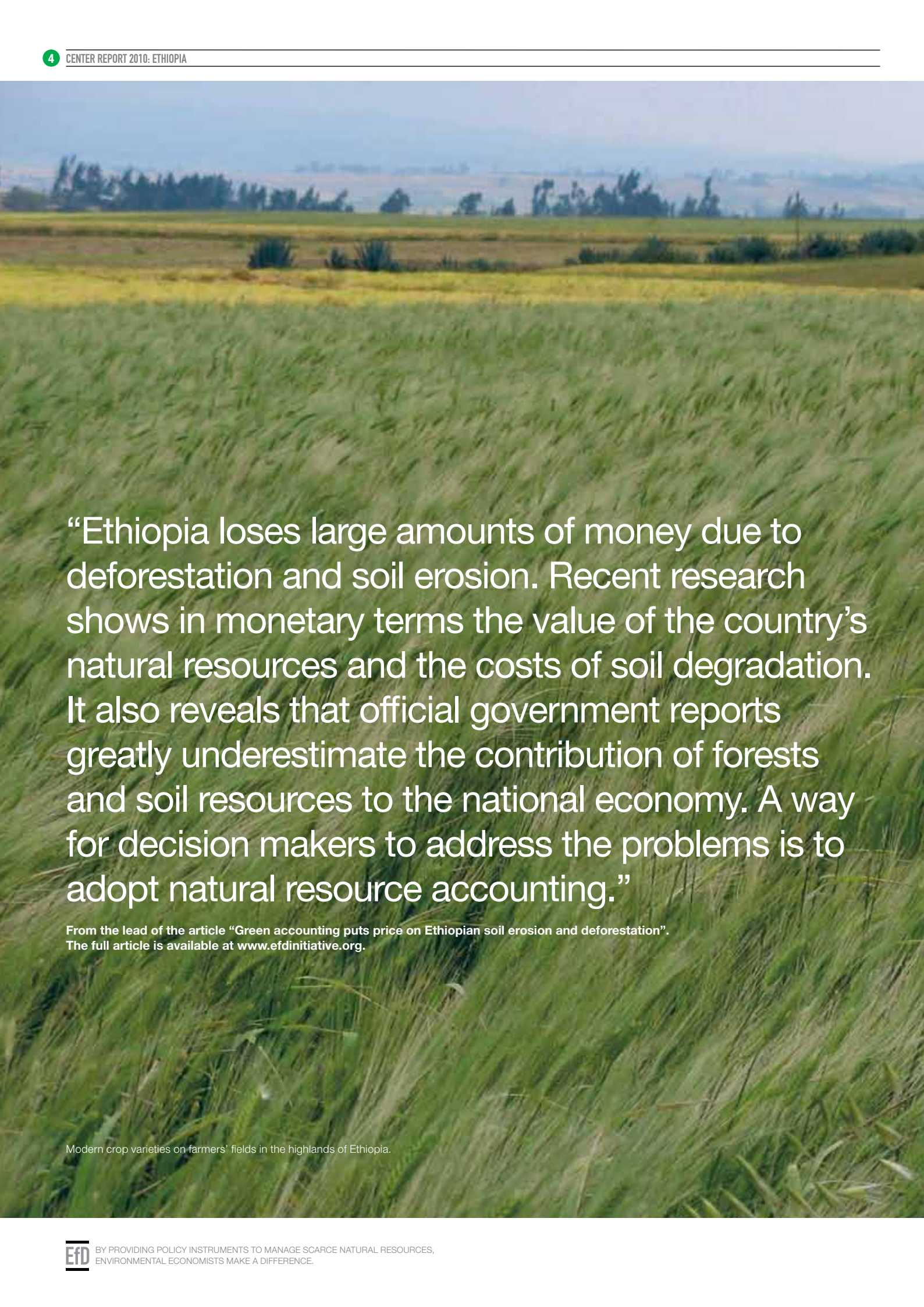
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“Ethiopia loses large amounts of money due to deforestation and soil erosion. Recent research shows in monetary terms the value of the country’s natural resources and the costs of soil degradation. It also reveals that official government reports greatly underestimate the contribution of forests and soil resources to the national economy. A way for decision makers to address the problems is to adopt natural resource accounting.”

From the lead of the article “Green accounting puts price on Ethiopian soil erosion and deforestation”.
The full article is available at www.efdinitiative.org.

Modern crop varieties on farmers’ fields in the highlands of Ethiopia.



Alemu Mekonnen

MESSAGE FROM OUR COORDINATOR

THE ENVIRONMENTAL Economics Policy Forum for Ethiopia (EEPFE) based at the Ethiopian Development Research Institute (EDRI) is one of six EfD (Environment for Development) Centers located in six countries. These centers are coordinated from the Environmental Economics Unit at the University of Gothenburg in Sweden (where the EfD secretariat is also based) with Resources for the Future as a partner involved in research and publication of discussion paper and book series. EEPFE has the main objective of supporting sustainable development and poverty reduction through increased use of environmental economics in policy making processes in Ethiopia. It attempts to achieve these through research, policy interaction and training.

The year 2010 has been a year of important achievements for EEPFE building on what has been done during previous years. The main research projects that have been implemented during the year include impacts of climate

change on agriculture as well as its economy-wide impacts, impacts of biofuel investments on food security in Ethiopia, impacts of land certification on private tree growing by rural Ethiopian households and household forest values under varying management regimes in rural Ethiopia.

IN ADDITION TO PARTICIPATION OF

researchers of the Forum in a number of seminars, workshops and conferences in and outside Ethiopia, the Forum co-organized two important conferences in 2010. One is the Africa Regional Dialogue on Forests, Governance and Climate Change (co-organized with Rights and Resources Initiative based in Washington, D.C. as well as the UN Economic Commission for Africa, UNECA). The other is the 4th Annual Meeting of the Environment for Development (EfD) initiative (co-organized with the Secretariat of EfD initiative and partly with UNECA). The Forum was also involved in policy interaction activities including work on climate change issues focusing on climate conventions,

climate finance, carbon trading, and carbon markets with focus on Africa in general and Ethiopia in particular. This is a joint activity with EDRI through partial funding from the African Capacity Building Foundation (ACBF) and this work is expected to be completed in 2011. Staff of the Forum have also been involved in work on green growth plan and strategy for Ethiopia sponsored by the Global Green Growth Institute (GGGI) and conducted by McKinsey and Co. in collaboration with EDRI and other government institutions.

THE FORUM PLANS TO CONTINUE its work on research, policy interaction and training over the coming years building on the achievements in the past. Details of the Forum's work during 2010 (presented in our annual report for 2010) as well as other information about the Forum can be found at www.efdinitiative.org/centers/ethiopia.

Alemu Mekonnen
Coordinator EfD Ethiopia



FOURTH EFD ANNUAL MEETING COMPLETED

THE EFD ANNUAL MEETING 2010 IN ETHIOPIA, October 28-31, started with one day at UN Economic Commission for Africa focusing on how to make the most use of environmental economics research for development. Three days of research presentations and discussions followed together with key note speeches and a lecture on a multi-disciplinary approach to analyze Social Ecological Systems, designed by Nobel Laureate Elinor Ostrom and applicable for EfD's planned thematic research collaboration.

"Our objectives of the Policy Day was to disseminate selected work of EfD's research and its potential contributions to a key policy institution, UNECA, and other key stakeholders present at the meeting. We also wanted to share information across EfD centers on successful research-policy interactions, as well as increase our learning on how to translate research to policy more in general", says EfD Director Gunnar Köhlin.

The Policy Day was hosted by UN Economic Commission for Africa (UNECA) together with the Ethiopian EfD Center (Environmental Economics Policy Forum for Ethiopia which is hosted by the Ethiopian Development Research Institute).

Among the speakers were Desalegn Mesfin, Deputy Director General, Federal Environmental Protection Authority of Ethiopia, who opened the meeting. Anders Ekbom, EfD Research Fellow and policy analyst at the University of Gothenburg, spoke about research-policy interactions: models, approaches and lessons learned. Chantal Line Carpentier, Sustainable Development Officer, Division for Sustainable Development United Nations Department of Economic and Social Affairs, spoke about needs and opportunities to strengthen policy-research links on the economics of environment and climate change – perspectives from UNDESA.

Successful cases of EfD research-policy interactions were presented



The EfD Annual Meeting 2010 in Ethiopia was held at UNECA, UN Economic Commission for Africa, in Addis Abeba, and in Debrezeit. In the photo spread (page 6-7) from the left: Rahel Deribe, (lunch break in Africa Hall), Francisco Alpizar, Precious Zikhali and Wilfred Nyangena, group: Lunyu Xie, Edwin Muchapondwa, Ping Qin, and Razack Lokina. Precious Zikhali. Middle row: Ping Qin, Jintao Xu. Bottom row: Roger Madrigal, Razack Lokina, group: Thomas Sterner, Wisdom Akpalu, Peter Berck, and Chantal Line Carpentier, Jo Albers and Alemu Mekonnen, Mare Sarr, Gunnar Köhlin.

by Menale Kassie, former EfD Research Officer and now working for CIMMYT in Kenya, and by the EfD coordinators Jintao Xu, Professor at Peking University, and Francisco Alpizar, CATIE, Costa Rica. Please see all Policy Day speakers in the full program below.

The following three days of the EfD annual meeting were hosted by Alemu Mekonnen, EfD Research fellow and Coordinator of EfD Ethiopia, and held at Kuriftu Resort in Debrezeit. Most of the time was devoted to presentations and discussions on ongoing and planned EfD research.

One of the key note speakers was Roger Sedjo, RFF Senior Fellow and Director of RFF's Forest Economics and Policy. Sedjo spoke on the role forests can play in carbon capture: principles, costs and policies. The other key note speaker was World Bank Lead Economist Klaus Deininger, who spoke on large scale land acquisitions.

EfD Research Fellow Roger Madrigal from Costa Rica gave a lecture on the Social Ecological System Ontological framework, designed by professor Elinor Ostrom, who was awarded the 2009 Nobel Memorial Prize in Economic Sciences for her analysis of economic governance, especially the commons. Roger Madrigal made a long research visit to professor Ostrom at Indiana University before she received the prize, in order to develop the design of his research project on drinking water management.

"The ontological framework is a conceptual map for analyzing the interactions between humans and ecosystems. It builds on the last decades of findings in the literature of common-pool resources and collective action towards the management of natural resources", says Madrigal:

"This framework might help to conduct systematic diagnosis of the structure of the interactions between humans and ecosystems analyzed by EfD's scholars in different parts of the world."

RESEARCH POLICY INTERACTION

To achieve its core goal of supporting and enhancing policy making to ensure sustainable development in Ethiopia, EEPFE works closely with various government and non-government agencies. These include the Ministry of Agriculture and Rural Development (MARD), the Bureau of Agriculture in the Amhara Regional State, the International Food Policy Research Institute (IFPRI), and the World Bank. We undertake periodic workshops and seminars on important policy issues in collaboration with researchers from our host, the Ethiopia Development Research Institute (EDRI).

Through its sustainable land management stakeholder analysis study, EfD researchers in Ethiopia convinced the World Bank to shift resources for sustainable land management from low to high production potential areas of Ethiopian highlands and to implement its SLM project in the

high potential areas of the Ethiopian highlands. Until recently resources for natural resource management were flowing to low potential or degraded areas of the country neglecting high potential or less degraded areas.

African Regional Dialogue 2010 on forests, governance and climate change

Women's participation in decision making and strong land tenure rights and governance are essential if REDD+ and other climate change mitigation and adaptation measures are to achieve climate goals and provide local benefits. This was a key message from over 80 delegates at the Africa Regional Dialogue, which was organized by EfD Ethiopia together with Rights and Resources Initiative as a pre-event to the seventh African Development Forum.

Takeze Valley, Northern Ethiopia

EfD researchers, in collaboration with the Center for Environmental Economics and Policy in Africa (CEEPA), have also conducted research on natural resource accounts for Ethiopia. The level of natural resource degradation, as well as the role of natural resources in Ethiopia, in monetary terms in the national accounts, were presented to experts in economics, forestry, soil sciences, ecology and related fields – representing NGOs, civil society, the Environmental Protection Authority, the Parliament and the Ministries of Agriculture and Rural Development, and Finance and Economic Development.

In 2010 EfD Ethiopia hosted a dialogue on forests, governance and climate change in Africa together with Rights and Resources Initiative and the United Nations Economic Commission for Africa. The dialogue outcome fed in to the 7th African Development Forum, and will possibly be an input for the global negotiations on climate change in Cancun and beyond. Please read more about the dialogue below.

SOME 80 DELEGATES from twenty African states, representing communities, governments, researchers, women's groups, parliamentarians, and NGOs participated in the Africa Regional Dialogue on Forests, Governance and Climate Change in Addis Ababa, Ethiopia, from 11 to 12 October 2010.

"The outcome of this regional dialogue was then reflected, via six appointed spokespersons, at the Seventh African Development Forum, ADF, which was held just after," says Alemu Mekonnen, Coordinator of EfD Ethiopia and the host of the Africa Regional Dialogue. Mekonnen also noted:

"The outcome from the Seventh ADF will in turn feed into the ongoing international climate change negotiations in Cancun and beyond."

The dialogue delegates observed that strong and socially appropriate land tenure systems and governance are required for effective adaptation and mitigation, and also that land tenure and governance systems are notably weak and inequitable across the continent. Therefore, major reforms are necessary.

In order to effectively mitigate and adapt to climate change in Africa, while ensuring equity, livelihoods, rights, and sustainable development in forest areas, the group made 10 Forest Governance Recommendations: For instance, pilot programmes on REDD+

and climate change should take into consideration the rights of indigenous peoples and local communities and focus on capacity building of small and medium size enterprises, alternative energy (solar, wind, water etc.) for food security, and poverty reduction.

The group also recommends that for climate change measures to be successful, African regional institutions, donors, governments and civil society should facilitate the effective participation and representation of women in decision-making processes and bodies related to REDD+ and climate change. They should also ensure that women benefit equally from the REDD funding. Please click here to read all of the recommendations.

Dr. Mekonnen, who has extensive experience as a forest researcher and is coordinating the EfD Center in Ethiopia, was contacted by the Coordinator of RRI, Andy White, in early 2010. The Rights and Resources Initiative (RRI) has convened several international gatherings to explore the rights, tenure and governance dimensions of forests and climate change mitigation actions. The persons that Mekonnen and both Jeffrey Hatcher and Solange Bandiaky from RRI visited together, to hear views and to invite, included Josue Dione, Director of the Food Security and Sustainable Development Division at the UN Economic Commission for Africa.

"Josue Dione told us that our planned regional dialogue would link nicely with the seventh African Development Forum, which

UNECA was to arrange together with the African Union and African Development Bank. This is how our dialogue became a pre-event to this important forum that brought together hundreds of delegates from all over Africa," says Mekonnen.

Hence, all participants at the Africa Regional Dialogue were invited to also attend the Seventh African Development Forum, which was held immediately after, 13-15th October, in the same compound where the Dialogue took place, the United Nations Conference Center. For EfD Ethiopia, this also meant that influential people from different parts of Africa came to know about the center.

One of the main speakers at the Forum was the Ethiopian Prime Minister Meles Zenawi. He is the African Union's spokesperson on climate change, for instance in the United Nations Climate Change Conference in Cancun, Mexico, held from 29 November to 10 December 2010.

The Ethiopian Prime Minister is also, together with his Norwegian counterpart Jens Stoltenberg (who also spoke at the ADF VII), co-chairing the High-Level Advisory Group on Climate Change Financing (<http://www.un-elections.org/?q=node/1638>). This group set out to solve what many see as the main barrier to achieving an international climate agreement – how to finance expenses related to climate issues – and issued its findings before the UNFCCC meeting in December 2010. The suggestions included a tax on air flights.

RESEARCH 2010: PUBLICATIONS

PEER REVIEWED

AGRICULTURE / CLIMATE CHANGE / ENERGY

Climate Change Policy in Africa with Special Reference to Energy and Land Use

While Africa has contributed marginally to climate change, the continent will be disproportionately affected by it, particularly the agricultural sector. Climate change demands policy action to address mitigation and adaptation needs, and it poses opportunities in implementation of international instruments.

Köhlin, G., G. Mekonnen, A. and Westholm, L. "Climate Change Policy in Africa with Special Reference to Energy and Land Use", *Journal of Natural Resources Policy Research*, 3(1), 63-76, 2011.

AGRICULTURE

Does fertilizer use respond to rainfall variability? Panel data evidence from Ethiopia

In this paper we use farmers' actual experiences with changes in rainfall levels and their responses to these changes to assess if patterns of fertilizer use are responsive to changes in rainfall patterns.

Alem, Y., M. Bezabih, M. Kassie, P. Zikhali "Does fertilizer use respond to rainfall variability? Panel data evidence from Ethiopia" *Agricultural Economics* 41, 165-175, 2010.

AGRICULTURE

The Economics of Sustainable Land Management Practices in the Ethiopian Highlands

This article uses data from household- and plot-level surveys conducted in the highlands of the Tigray and Amhara regions of Ethiopia. We examine the contribution of sustainable land management (SLM) practices to net value of agricultural production in areas with low vs. high agricultural potential.

Kassie, M., P. Zikhali, J. Pender and G. Köhlin, "The Economics of Sustainable Land Management Practices in the Ethiopian Highlands", *Journal of Agricultural Economics*, 61(3), 605-627, 2010.

Impacts of Low-cost Land Certification on Investment and Productivity Theme is missing

New land reforms are again high on the policy agenda and low-cost, pro-poor reforms are being tested in poor countries.

Holden, S. T., Deininger, K. and Ghebru, H. (2009), "Impacts of Low-cost Land Certification on Investment and Productivity", *American Journal of Agricultural Economics* 91 (2):359-373.

EFD DISCUSSION PAPERS

AGRICULTURE

Adoption and Impact of Improved Groundnut Varieties on Rural Poverty: Evidence from Rural Uganda

This paper evaluates the ex-post impact of adopting improved groundnut varieties on crop income and rural poverty in rural Uganda. The study utilizes cross-sectional farm household data collected in 2006 in seven districts of Uganda.

Menale Kassie, Bekele Shiferaw, and Geoffrey Muricho (2010), "Adoption and Impact of Improved Groundnut Varieties on Rural Poverty: Evidence from Rural Uganda", *EfD Discussion Paper 10-11, Environment for Development Initiative and Resources for the Future*, Washington DC, May 2010.

AGRICULTURE

Investments in Land Conservation in the Ethiopian Highlands: A Household Plot-Level Analysis of the Roles of Poverty, Tenure Security, and Market Incentives

Land degradation is a major problem undermining land productivity in the highlands of Ethiopia. This study explores the factors that affect farm households' decisions at the plot level to invest in land conservation and how much to invest, focusing on the roles of poverty, land tenure security, and market access. Unlike most other studies, we used a double-

A shepherd in Abraha we Atsbeha, Tigray, Northern Ethiopia



hurdle model in the analysis with panel data collected in a household survey of 6,408 plots in the Amhara region of Ethiopia.

Genanew Bekele and Alemu Mekonnen (2010), "Investments in Land Conservation in the Ethiopian Highlands: A Household Plot-Level Analysis of the Roles of Poverty, Tenure Security, and Market Incentives", Efd Discussion Paper 10-09, Environment for Development Initiative and Resources for the Future, Washington DC, March 2010.

BEHAVIOR EC.

Does Relative Position Matter in Poor Societies? Evidence from a Survey Experiment in Rural Ethiopia

The authors investigated attitudes toward positionality among rural farmers in northern Ethiopia, using a tailored two-part survey experiment. On average, they found positional concerns neither in income per se, nor in income from aid projects among the farmers. These results support the claim that positional concerns are correlated with absolute level of income of a country.

Akay, Alpaslan, Peter Martinsson and Haileselassie Medhin (2010), "Does Relative Position Matter in Poor Societies? Evidence from a Survey Experiment in Rural Ethiopia", Efd Discussion Paper 10-05, Environment for Development Initiative and Resources for the Future, Washington DC, February 2010.

BEHAVIOR EC.

Attitudes Toward Uncertainty Among the Poor: Evidence from Rural Ethiopia

The authors looked at risk and ambiguity attitudes among Ethiopian peasants in one of the poorest regions of the world and compared their attitudes to a standard Western university student sample elicited by the same decision task.

Akay, Alpaslan, Peter Martinsson, Haileselassie Medhin, and Stefan Trautmann (2010), "Attitudes Toward Uncertainty Among the Poor: Evidence from Rural Ethiopia", Efd Discussion Paper 10-04, Environment for Development Initiative and Resources for the Future, Washington DC, February 2010.

FORESTRY

Household Tree Planting in Tigray, Northern Ethiopia: Tree Species, Purposes, and Determinants

Trees have both economic and ecological purposes in rural Ethiopia, supplying households with wood products for consumption and sale, and decreasing soil degradation.

Gebreegziabher, Zenebe, Alemu Mekonnen, Menale Kassie, and Gunnar Köhlin (2010), "Household Tree Planting in Tigray, Northern Ethiopia: Tree Species, Purposes, and Determinants", Efd Discussion Paper 10-01, Environment for Development Initiative and Resources for the Future, Washington DC, January 2010.

POLICY BRIEFS

Where Do Sustainable Land Management Practices Work: A Comparative Study

The Ethiopian economy has its foundation in the agricultural sector. This sector continues to be a fundamental instrument for poverty alleviation, food security, and fueling economic growth. However, the sector continues to be undermined by land degradation (LD) in the form of depletion of soil organic matter, soil erosion, and lack of adequate plant-nutrient supply.

EFD RFF BOOKS

AGRICULTURE / FORESTRY / POLICY DESIGN

Land Reforms in Asia and Africa - Impacts on Poverty and Natural Resource Management

A new Efd/RFF Book titled "Land Reforms in Asia and Africa - Impacts on Poverty and Natural Resource Management" is planned for 2012. Editors are Professors Stein Holden and Keijiro Otsuka.

The research project on land reforms is ongoing, and a first book workshop was held on Jan 24-25, 2010, at Peking University. The research will focus on a range of impacts including welfare and natural resource management impacts. Countries to be studied are China, Vietnam, India, Nepal, The Philippines, Ethiopia, Malawi, Uganda, South Africa, and Zimbabwe,

PROJECTS

Impact of Climate Change on Ethiopian Economy and Agriculture

In this research project EfD aims to examine the impact of climate change on agriculture using Ricardian approach. Moreover, the impact of climate change on the Ethiopian economy using CGE model will be analyzed.

Review of local common pool resource management institutions in Ethiopia

Renewable natural resources such as forests, fisheries, grazing lands, soils, groundwater, etc, most of which fall under the category of common pool resources, constitute a significant part of our planet. Common property resources constitute important sources of livelihoods to many people in developing countries including timber, fuelwood, grazing, irrigation water, and domestic water.

On Adaptation to Climate Change and Food Security in Ethiopia

This research will examine the impact of adaptation strategies on farmers' food production. We will investigate whether there are differences in the food production functions of farm households that adopted adaptation strategies and those that did not adopt.

Impact of Biofuel Investment on the External Sector, Growth and Poverty Reduction in Ethiopia: CGE Analysis

Given the volatility of world oil prices and the recent all time high, which increased their popularity, bio-fuels have received a great deal of attention globally. The central question in here is whether this will have a positive or a negative impact on smallholder farmers and

people living in rural areas, as more agricultural land will be used for biofuels production?

Common Property Forest Management: Implications for REDD in Ethiopia

The proposed project seeks to contribute substantively to climate change and community forest management policies and advance the literature by analyzing the relationship between common property forest management (CPFM) in Ethiopia and climate policy within the context of the UN Collaborative Programme on Reducing Emissions from Deforestation and Degradation in Developing Countries (REDD) and proposing instruments for channeling REDD benefits to households.

Impact of land certification on tree growing on private plots of rural households: evidence from the Amhara region of Ethiopia

Sustained agricultural growth is important for poverty reduction in Africa due to the significant role of the sector in the continent. The performance of agriculture depends, among others, on appropriate investment in the sector and the latter is constrained by a multitude of factors including land tenure insecurity. In the presence of tenure insecurity, the risk of losing land will create a disincentive to undertake investments when the present value of the productivity benefits from such investments would, under full tenure security, be higher than their cost.

Kassie, Menale, Alemu Mekonnen and Stein Holden(2010,) "Impact of land certification on tree growing on private plots of rural households: evidence from the Amhara region of

A livestock market in the pastoral areas of Borana in the Southern part of Ethiopia.



Ethiopia", EFD 2010 research project

Impact of Biofuel Investment on Growth and Poverty Reduction in Ethiopia: CGE Analysis

Given the volatility of world oil prices and the recent all time high, which increased their popularity, bio-fuels have received a great deal of attention globally. The central question in here is whether this will have a positive or a negative impact on smallholder farmers and people living in rural areas, as more agricultural land will be used for biofuels production? Gebreegziabher, Zenebe, Tekie Alemu, Alemu Mekonnen and Rahel Deribe (2010), "Impact of Biofuel Investment on Growth and Poverty Reduction in Ethiopia: CGE Analysis", EFD 2010 research project.

Land Reforms in Asia and Africa - Impacts on Poverty and Natural Resource Management

In this research project EfD aims to draw lessons from land reforms in several Asian and African countries. The findings will be presented in a book edited by Professors Stein Holden and Keijiro Otsuka and titled "Land Reforms in Asia and Africa - Impacts on Poverty and Natural Resource Management".

RESEARCH PRESENTATIONS AT WORKSHOPS, MEETINGS & CONFERENCES

The 4th World Congress of Environmental and Resource Economists held in Montreal, Canada, June-July 2010

Alemu Mekonnen and Zenebe Gebreegziabher
Contingent Valuation of Waste Management in Mekele

2010 AAAE Third Conference/AEASA 48th Conference, September 19-23, 2010, Cape Town, South Africa

Zenebe Gebreegziabher
Participation in Off-farm Employment, Rainfall Patterns and Rate of Time Preference: the Case of Ethiopia

Climate Change and The Copenhagen Accord, at College of Business and Economics held in Mekelle University, 1 January 2010

Zenebe Gebreegziabher. Climate change and implications for developing countries

8th International Conference on the Ethiopian Economy organized by the Ethiopian Economics Association and held in Addis Ababa June 24-26, 2010

Zenebe Gebreegziabher
Biogas for poverty reduction and climate change mitigation: the case of Ethiopia'

Annual Bank Conference on Land Policy and Administration at the World Bank, Washington, D.C., 26-27 April 2010

Alemu Mekonnen
Served as discussant of three papers

The 4th EfD annual meeting, October 28-November 1, 2010

Zenebe Gebreegziabher
Paper entitled 'Impact of Biofuel Investment on Growth and Poverty Reduction in Ethiopia: CGE Analysis'
Paper entitled 'Rural Households Fuel Choice and Seasonal Patterns of Fuel Collection in Ethiopia: the Case of Tigray'
Proposal entitled 'Economic Costs and Poverty Implications of Agricultural Land Degradation in Ethiopia: An Economy-wide Analysis'

The 4th EfD annual meeting, October 28-November 1, 2010

Rahel Deribe
Proposal entitled 'Traditional Common Property Systems and Their Role in the Management of Renewable Natural Resources'

Seminar at Resources for the Future in Washington D.C., 28 April 2010

Alemu Mekonnen
Impacts of the Productive Safety Net Program on Tree Growing and Livestock Holdings of Ethiopian Rural Households

Determinants of tourist flows in Ethiopia, organized by EDRI

Alemu Mekonnen
Served as discussant

Sustainable financing of energy infrastructure in eastern Africa, organized by Ministry of Water and Energy and GTZ in Ethiopia, 18 October 2010, Sheraton Hotel, Addis Ababa

Alemu Mekonnen and Zenebe Gebreegziabher
Sustainable financing of energy infrastructure in Ethiopia

Green growth with focus on agriculture and forestry in Ethiopia, organized by EDRI in July 2010

Zenebe Gebreegziabher
Facilitator

Ministerial meeting on green growth plan and strategy for Ethiopia, organized by EDRI, held on 28 September 2010 at Sheraton Hotel in Addis Ababa, Ethiopia

Alemu Mekonnen
As co-presenter of draft plan and strategy

Green growth plan with focus on power sector held at EDRI, Addis Ababa, July 2010

Alemu Mekonnen and Zenebe Gebreegziabher
As facilitators

The 4th EfD annual meeting, October 28-November 1, 2010, Policy Day

Alemu Mekonnen and Liyousew Gebremedhin
Co-organized by EEPFE and UNECA.



Research Presentations at Workshops, Meetings & Conferences

Adoption of weather-index insurance: learning from willingness to pay among a panel of households in rural Ethiopia organized by School of Economics at AAU and IFPRI in April 13, 2010

Alemu Mekonnen

Climate change issues after Copenhagen at CRDA, Addis Ababa

Alemu Mekonnen

Workshop on draft Energy Proclamation, Energy Regulation and Feed-in-Tariff Proclamation on November 23, 2010 held at Ghion Hotel and organized by the Ethiopian Electricity Agency

Alemu Mekonnen

Workshop on climate change after Copenhagen organized by HOAREC and held at new meeting hall of the Faculty of Business and Economics of the Addis Ababa University, February 2010

Alemu Mekonnen

Ministerial meeting on green growth strategy for Ethiopia, organized by EDRI, held on 28 September 2010 at Sheraton Hotel in Addis Ababa, Ethiopia

Alemu Mekonnen and Zenebe Gebreegziabher

Africa Regional Dialogue on Forests, Governance and Climate Change at UNECA, October 11-12, 2010

Alemu Mekonnen and Zenebe Gebreegziabher
Co-organized by RRI, EEPFE and UNECA .

AFF (African Forest Forum) workshop, 20-22 April 2010, Nairobi.

Zenebe Gebreegziabher

Development and Innovation in the Bio-fuel Industry, Addis Ababa, 4th August 2010,

Zenebe Gebreegziabher

Economics of adaptation to climate change, organized by EPA and World Bank, 18 October 2010, Addis Ababa.

Zenebe Gebreegziabher

Regional Workshop on Agricultural Productivity and Food Security in Northern Ethiopia' organized by Mekelle University and REST (Relief Society of Tigray) 12 December 2010, Axum Hotel, Mekelle.

Zenebe Gebreegziabher

The 7th African Development Forum on Climate Change mainly organized by UNECA, AfDB and AUC, October 13-15, 2010

Alemu Mekonnen and Zenebe Gebreegziabher

The role of tree crops in Ethiopia, organized by EDRI, April 13, 2010

Alemu Mekonnen (as chair of seminar)

Park Pricing Workshop, organized by the EfD center in Kenya, Nairobi, Kenya, Oct 23-25, 2010

Rahel Deribe

Talk Energy Ahead, a monthly meeting to discuss energy issues in Ethiopia mainly organized by GTZ in Ethiopia and held at Ghion Hotel, Addis Ababa

Alemu Mekonnen and Zenebe Gebreegziabher

The Ethiopian EfD Center – Environmental Economics Policy Forum for Ethiopia is hosted by the Ethiopian Development Research Institute, and located in Blue Building, near National Stadium, Office Numbers 401-409, Fourth Floor, P.O. Box 2479, Addis Ababa, Ethiopia. Tel.+251-11-5506066, Fax.+251-11-5505588. Coordinator is Dr. Alemu Mekonnen, Email: alemu_m2004@yahoo.com



Master courses in environmental economics

Course 1. Environmental and natural resource economics
Course 2. Environmental Valuation and Policy

Number of students

17
10

Fellow

Zenebe Gebreegziabher
Alemu Mekonnen

ACADEMIC CAPACITY BUILDING

EEPFE has very close academic links with the Department of Economics at Addis Ababa University (AAU). Most of our research fellows are actively involved in teaching and supervision in the graduate program in economics. EEPFE provides book support for School of Economics Library at Addis Ababa University. In addition, it gives grant for MSc thesis on Environmental and Natural economics.

MSc thesis titles and names of MSc students supervised by research fellows

Determinants of voluntary environmentally sound technologies' adoption and an assessment of dynamic inconsistency in adoption decision in industry in Ethiopia

Alemu Mekonnen
Bernabas Tafesse

Analysing Household Vulnerability to Climate Change and Their Adaptation Options: Evidence from Adama and Lume woredas

Alemu Mekonnen
Bedaso Taye

Estimating the economic value of Wondogenet recreational wetland ecosystem: an application of travel cost and choice experiment methods

Alemu Mekonnen
Mesfin Geremew

Willingness to Pay for Improved Solid Waste Management: the case of Bahir Dar

Zenebe Gebreegziabher
Birtukan Bishaw

Valuation of waste management services: an application of choice experiment

Tekie Alemu
Yonas Berihun



SPREADING THE WORD

News about research and policy interaction.



A farmer in the village Koraro in Tigray in Northern Ethiopia.

2010-12-09

Ethiopia co-organized African Regional Dialogue on forests, governance and climate change

Women's participation in decision making and strong land tenure rights and governance are essential if REDD+ and other climate change mitigation and adaptation measures are to achieve climate goals and provide local benefits. This was a key message from over 80 delegates at the Africa Regional Dialogue, which was organized by EfD Ethiopia together with Rights and Resources Initiative as a pre-event to the seventh African Development Forum.

2010-11-15

How can EfD research be more policy relevant?

Chantal Line Carpentier, Sustainable Development

Officer at UNDESA: "Cross-country comparisons of best practices and policies are extremely valuable as well as synthesis of lessons learned on a specific theme moving from the atomic to the holistic policy issue within and across countries," says Carpentier when asked for her opinion on how EfD research be more policy relevant.

2010-11-01

Fourth EfD Annual Meeting completed

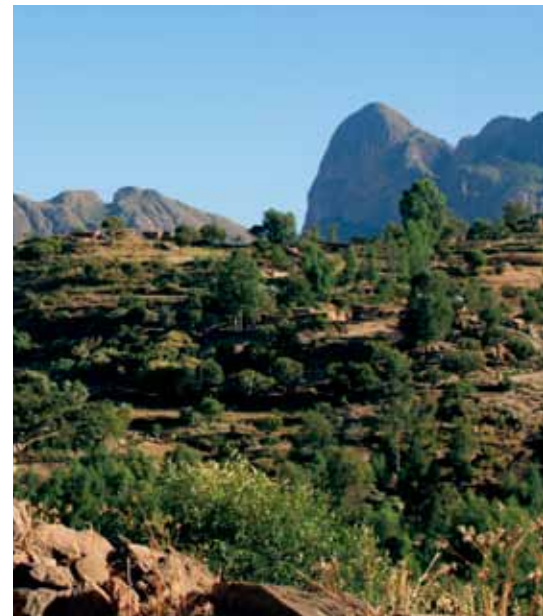
The EfD Annual Meeting 2010 in Ethiopia, October 28-31, started with one day at UN Economic Commission for Africa focusing on how to make the most use of environmental economics research for development. Three days of research presentations and discussions followed together with key note speeches and a lecture on a multi-disciplinary approach to analyze

Social Ecological Systems, designed by Nobel Laureate Elinor Ostrom and applicable for EfD's planned thematic research collaboration.

2010-10-22

Policy Day to Precede 4th EfD Annual Meeting

A day-long 'Policy Day' will precede the Fourth Environment for Development (EfD) Annual Meeting. The event, which will be hosted by Environmental Economics Policy Forum in Ethiopia (EEPFE) at Ethiopian Development Research Institute (EDRI), and UN Economic Commission for Africa (UN ECA), will take place at UNECA Africa Hall in Addis Ababa on 28 October 2010.



Chantal Line Carpentier



Menale Kassie

EfD members at the Coordination Committee meeting in Addis Ababa 2010. From left: Mare Sarr, Jintao Xu, Razack Lokina, Francisco Alpizar, Karin Jonson, Gunnar Köhlin, Ping Qin, Edwin Muchapondwa, Menale Kassie, Wilfred Nyangena, and Alemu Mekonnen.

2010-10-21

EEPFE Co-organizes RRI Africa Regional Dialogue on Forests, Governance and Climate Change

The Environmental Economics Policy Forum for Ethiopia (EEPFE) and the Rights and Resources Initiative (RRI) co-organized the Africa Regional Dialogue on Forests, Governance and Climate Change, which took place at the United Nations Conference Center (UNCC) in Addis Ababa, Ethiopia on October 11th and 12th, 2010. The dialogue was attended by participants from across the Africa region, as well as RRI staff from the US.

2010-10-21

Presentation at the 3rd African Association of Agricultural Economists(AAAE)

Dr.Zenebe Gebreegzabher, Postdoctoral Fellow at the Environmental Economics Policy Forum for Ethiopia (EEPFE), participates in the 3rd African Association of Agricultural Economists(AAAE) and 48th Agricultural Economics Association of South Africa (AEASA) Conference.

2010-01-29

Green accounting puts price on Ethiopian soil erosion and deforestation

Ethiopia loses large amounts of money due to deforestation and soil erosion. Recent research shows in monetary terms the value of the country's natural resources and the costs of soil degradation. It also reveals that official government reports greatly underestimate the contribution of forests and soil resources to the national economy. A way for decision makers

to address the problems is to adopt natural resource accounting.

2010-01-29

Networking and local language are keys to successful research communication

Networking with non-governmental organizations and use of the local language proved to be crucial for successful communication of Ethiopian research findings. "Thanks to this, our workshop attracted influential experts and policy makers, and their participation was very active," says Dr Alemu Mekonnen, researcher at the Environmental Economics Policy Forum for Ethiopia (EEPFE) and coordinator of EfD in Ethiopia.

WEBSITE VISITORS AND NUMBER OF DOWNLOADS

The website is an important channel for making EfD research work visible – and it is becoming more and more visible. The web statistics for 2010 shows that more than 35,000 people visited our website this year, and the number of visits was 48,000. When we compare 2010 and 2009, we find that there are more visits, more unique visitors, and more pageviews in 2010 than in 2009. File downloads is another web statistics figure. In 2010, 267 different files have been downloaded a total of 4,901 times.

EfD Website

47,695

Visits in 2010

Of all these visits were 72.84 percent new visits, a 32.29 percent increase compared to previous year (36,054 visits.) Unique Visitors: 35,435 an increase of 34.58 percent compared to previous year (26,330 unique visitors.)

133,296

Pageviews in 2010

This is +16.26 percent compared to previous year (114,654 pageviews.)

4,901

File Downloads in 2010

In 2010, 267 different files have been downloaded a total of 4,901 times.

EfD Ethiopia Website Section

7,807

pagesviews in 2010.

Top 7 Most visited Ethiopian webpages 2010

Home page Ethiopia	1,235 views	About	347 views
People	457 views	EfD-AnnualMeeting-2009-in-kenya	295 views
Green-accountingputs-price-on-		Impactstories	270 views
ethiopian-soilerosion-and-deforestation	371 views	Publications-Projects	249 views

File downloads - Top 5 list of 2010

- First a policy brief/workshop summary on "Policies to increase forest cover in Ethiopia: A summary of the main outcomes of a workshop in 2007". It has been downloaded 194 times this year.
- Second is a journal article by Jesper Stage, "Economic valuation of climate change adaptation in developing countries". It has been downloaded 119 times this year.
- Third is an EfD/World Bank report by Yesuf Mahmud, Alemu Mekonnen, Menale Kassie, John Pender, 2007, titled "Cost of Land Degradation in Ethiopia: A critical review of past studies", report, EfD/WB. It has been downloaded 109 times this year.
- Fourth is an EfD Discussion Paper by Zenebe Gebreegziabher, Alemu Mekonnen, Menale Kassie, and Gunnar Köhlin, "Household Tree Planting in Tigray, Northern Ethiopia". It has been downloaded 102 times this year.

- Fifth is a job advertisement from CIFOR seeking doctoral students interested in research on REDD for possible collaboration with their four-year Global Comparative Study on Reducing Emissions from Deforestation and Degradation (GCS-REDD). It has been downloaded 97 times this year.

Top Landing Pages

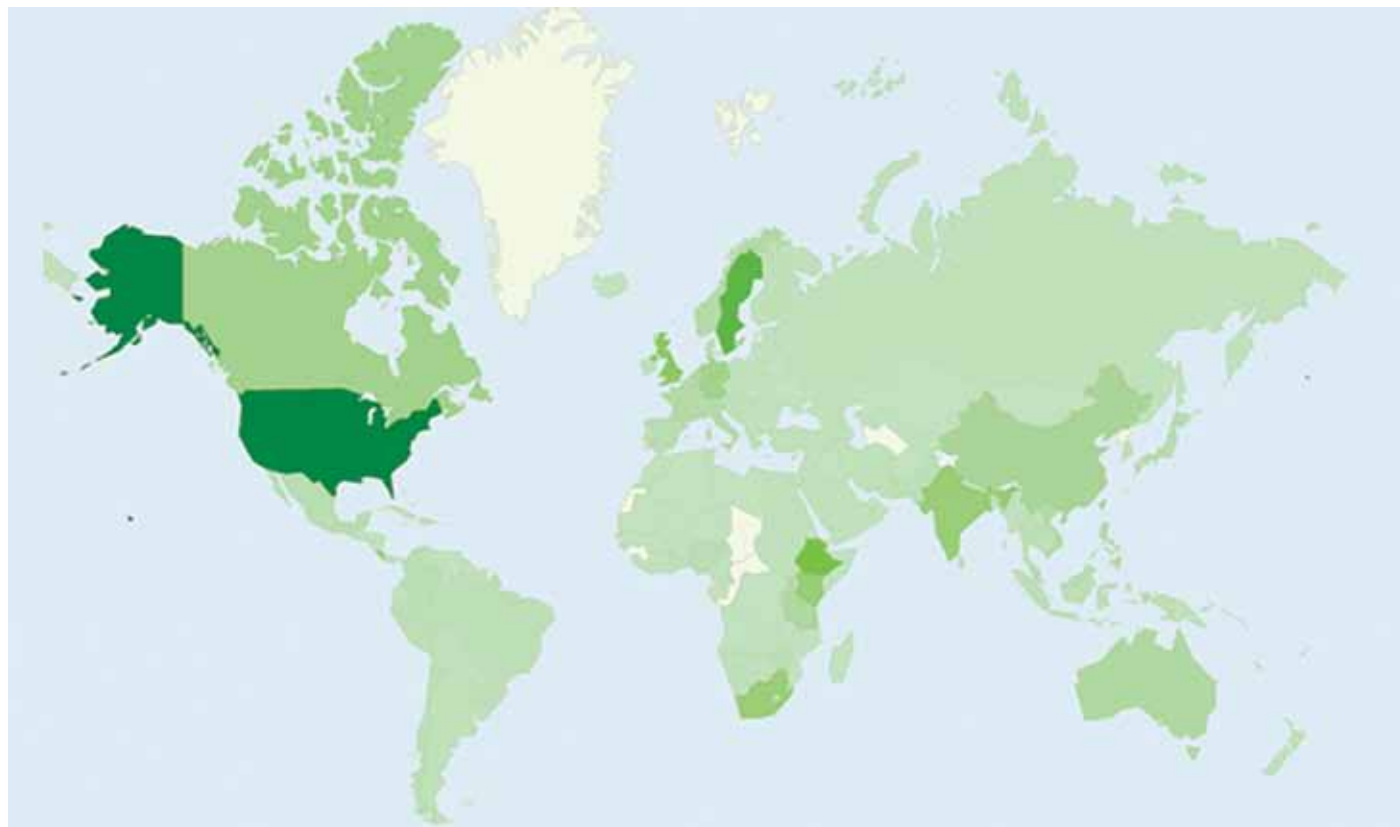
47,660 visits entered the site through 2,949 pages.

The Top Landing pages were:

First page	6,568 entrances
Over-fishing-of-nile-perch-in-lake-victoria	724 entrances
Kenyasnatural-resources-need-economic-instruments-efdresearchers-invited-to-public-hearing	611 entrances
Policies-to-increase-forest-cover-in-ethiopia	555 entrances
The-economics-ofsolid-waste-management-	

the-case-of-kampala-uganda	546 entrances
Essays-onenvironmental-policy-making-in-developing-countriesapplications-to-costa-rica	481 entrances
Incentivebased-regulation-of-co2-emissions-from-internationalaviation	479 entrances
The-kenyavision-2030-and-the-environment-issues-and-challenges	479 entrances
Theprogress-of-ghg-markets-opportunities-and-risks	471 entrances
Casestudy-2-zimbabwe-economy-wide-policies-anddeforestation-applied-general-equilibrium-modelling	412 entrances
Unexpert-group-meeting-how-can-researchers-contributeto-productive-and-sustainable-agriculture-in-africa	393 entrances
Job-openings	336 entrances
Eeu-Sweden/Academic-program-phdprogram	300 entrances

Top Countries: People in 190 countries visited the site and as seen in the map below there are few completely white nations on the world map. The darker green color indicates more web traffic.



Greenaccounting-puts-price-on-ethiopian-soil-erosion-anddeforestation 279 entrances
Workshop-on-accounts-of-land-resources-ofethiopia 266 entrances

Top Content

9,660 pages were viewed a total of 133,296 times.

The most visited pages were:

First page	8,615 pageviews
Job-openings	2,083 pageviews
Ethiopia	1,235 pageviews
central-america	1,089 pageviews
EFD/About	1,037 pageviews
Central-america/People	863 pageviews
Policies-to-increaseforest-cover-in-ethiopia	805 pageviews
Overfishing-of-nile-perch-in-lake-victoria	794 pageviews
Kenya	782 pageviews

China	751 pageviews	United Kingdom	2,968 visits
Researchfellows	728 pageviews	South Africa	2,212 visits
Publications	691 pageviews	Kenya	2,182 visits
Kenyas-naturalresources-need-economicinstruments	681 pageviews	India	2,119 visits
		Costa Rica	1,639 visits
South-africa	663 pageviews	Canada	1,448 visits
Funding	647 pageviews	Germany	1,361 visits
The-economics-of-solidwaste-management-the-		China	1,090 visits
case-ofkampala-uganda	643 pageviews	Tanzania	925 visits
People	631 pageviews	Netherlands	800 visits
South-africa/People	610 pageviews	Australia	792 visits
Tanzania	582 pageviews	Norway	624 visits
		Italy	587 visits
		France	573 visits
		Philippines	558 visits
		Vietnam	501 visits
		Uganda	484 visits

Top 20 countries

People in 190 countries visited the site. The Top

Twenty countries were:

United States	9,266 visits
Ethiopia	4,213 visits
Sweden	3,321 visits

THE ETHIOPIAN NODE IN THE EFD NETWORK

The Environmental Economics Policy Forum for Ethiopia (EEPFE) is the Ethiopian node in the EfD network. The Ethiopian Development Research Institute (EDRI) is hosting EEPFE as one of its projects to work on Environment and related issues. EDRI provides financial and administration support services to EEPFE.

The forum was founded in 2003. Its goal is to support poverty alleviation and sustainable development through an increased use of environmental economics in policy making processes.

More specifically, the forum has the following objectives:

- Increase the number of trained environmental economists by creating a conducive working environment for environmental economics PhD graduates and providing research grants for local MSc environmental economics students;
- Strengthen the capacity of environmental economics graduates to do applied research or poverty and environmental management by linking research fellows with international research organizations and enabling them to participate in international and national conferences;
- Undertake objective research and analysis on impact assessment, environmental management, and poverty with the goal of providing advice to policy makers and development agencies;
- Collect and analyze data on sustainable land use with the objective of disseminating results to a wide range of stakeholders through workshops, conferences, internal seminars, distribution of research publications, and policy briefs;
- Increase the knowledge of civil servants and other stakeholders on environmental and development issues with the objective of increasing awareness of the link between environment management and poverty alleviation.

EEPFE's Vision

To be the leading center for environmental economics policy research and a locus for

interactions among researchers, civil servants, and policy makers interested in policy oriented environmental research in Ethiopia.

EEPFE's Mission

To provide quality policy advice to the government and other stakeholders based on objective research and to engage in capacity building to reduce poverty and contribute to sustainability.

Staff

Alemu Mekonnen

Alemu Mekonnen is the coordinator of the EfD center in Ethiopia/EEPFE and an assistant professor of economics at the Department of Economics of Addis Ababa University. He has taught, for over two decades, various subjects in economics including natural resource and environmental economics at undergraduate and graduate levels. His research interests are on economic development and the environment. His work so far has focused on forestry, energy, and poverty and the environment. Methodologically he has a focus on non-market valuation techniques and (agricultural) household models. Particular areas of focus on Ethiopia so far include contingent valuation of community forestry, agricultural household models applied in the context of energy, choice modelling related to health and water, rural households' tree growing behaviour, and poverty and the environment.

Expertise/Research area:

- Environmental valuation such as contingent valuation and choice experiment in Ethiopia
- Agricultural household models applied to issues of energy and forestry in Ethiopia
- Household behaviour in general.

Zenebe Gebreegziabher

Zenebe Gebreegziabher is currently a Research Fellow of the EfD center in Ethiopia/EEPFE and an assistant professor of economics at the Department of Economics of Mekelle University. He has taught, for the last three years, various subjects in economics including natural resource and environmental economics and macroeconomics at undergraduate and graduate levels. His research interests are on environment and development economics. His work so far has focused on rural and urban energy issues, forestry, land degradation, macro-economic issues/growth and poverty implications of interventions. Methodologically he has a focus on household models, cross-section (panel data) and discrete choice econometrics, frontier Analysis, and multiple criteria decision analysis. Particular areas of focus on Ethiopia so far include urban energy transition and technology adoption, rural households' tree growing behavior, governing/managing the commons, economy-wide effects of biofuels investment and climate change.



Alemu Mekonnen

Our networks

To achieve its goal, EEPFE is working with different governmental and nongovernmental organizations like Ministry of Agriculture and Rural Development (MARD), Forum for Environment (FfE), Climate Change Forum for Ethiopia, Sustainable Land Use Forum (SLUF), the International Food Policy Research Institute (IFPRI), and Environmental Protection Authority (EPA).

Funders/Donors

Sida is the main funding agency for the Efd initiative. In 2010, EEPFE was involved in issues focusing on climate conventions, climate finance, carbon trading, and carbon markets with focus on Africa in general and Ethiopia in particular. This is a joint activity with EDRI through partial funding from the African Capacity Building Foundation (ACBF) and is expected to continue in 2011. In addition, RRI (The Rights and Resources Initiative) was also one of the co-organizers of Africa Regional Dialogue on Forests, Governance and Climate

Change which was undertaken in Addis Ababa, Ethiopia, from 11 to 12 October 2010.

The Rights and Resources Initiative(RRI) is a strategic coalition of international, regional and community organizations engaged in conservation, research and development. RRI works to encourage greater global commitment and action on pro-poor tenure, policy and market reforms. RRI's mission is to support local communities' and indigenous peoples' struggles against poverty and marginalization by promoting greater global commitment and action towards policy, market and legal reforms that secure their rights to own, control and benefit from natural resources, especially land and forests.

Total number of staff in full time equivalent:	6.5
Number of donors	2
Sida	USD 259,000
RRI (Rights and Resources Initiative)	USD 70,000
Sida/EfD funding as share of total center budget	79%

Expertise/Research area:

- Environmental and resource/energy economics
- Household behavior in general
- Macroeconomics and public policy

Tekie Alemu

Tekie Alemu is a research fellow at the Environmental Economics Policy Forum for Ethiopia which is housed at the Ethiopian Development Research Institute. He is also the A/Dean of the Faculty of Business and Economics and an assistant professor in the Department of

Economics. He specializes in environmental economics and resource economics. He received his Ph.D. from the University of Gothenburg in 1999. The title of his dissertation is 'Land tenure and soil conservation: Evidence from Ethiopia'. Currently, his research focuses on rural land tenure and land administration issues in Ethiopia.

Expertise/Research area:

- Resource economics
- Property rights and land tenure
- Poverty analysis

Rahel Deribe

Rahel Deribe is a junior research fellow for EfD in Ethiopia, the Environmental Economics Policy Forum for Ethiopia (EEPFE) based in the Ethiopian Development Research Institute (EDRI).

Freweini Berhane

Freweini Berhane is the Administrative Assistant for EfD in Ethiopia, Environmental Economics Policy Forum for Ethiopia (EEPFE) of the Ethiopian Development Research Institute (EDRI).



Zenebe Gebreegziabher



Rahel Deribe



Freweini Berhane

THE EFD INITIATIVE IN BRIEF

The overall objective of the EfD initiative is to support poverty alleviation and sustainable development through the increased use of environmental economics in the policy making process. Through local capacity building in environmental economics focusing on research, policy advice, and teaching, the EfD centers in Central America, China, Ethiopia, Kenya, South Africa, and Tanzania strive to contribute to better environmental policies and poverty reduction.

The EfD research emanates from the policy priorities of the host countries. This has led to a research focus on natural resources. The research-policy impact is increasing. The “EfD approach” is to build strong long-term collaborations between academics and with key ministries and decision makers. In addition, environmental economists are trained in master and doctoral programs in the respective country.

The Environmental Economics Unit at University of Gothenburg is coordinating the initiative. Resources for the Future in Washington DC is a partner involved in research and publication of the EfD/RFF discussion paper and book series. The EfD initiative started in 2007 and receives core support from the Swedish International Development Cooperation Agency (Sida). EfD builds on the environmental economics capacity building program that Sida has been supporting at University of Gothenburg since 1991 as a tool to implement sustainable development. The program, including EfD, is designed to enable researchers trained abroad to come home and become productive as applied researchers, teachers and policy advisors. By now 20 PhD's have graduated from the doctoral program in Gothenburg, and 17 of these are currently working in developing countries. In addition 7 post docs have been recruited to EfD centers from outside the program.

Research

Applied, policy relevant research is a core activity for the EfD initiative. Research is a critical input in a long-term strategy to reduce environmental degradation, eradicate poverty and to ensure sustainable use of natural resources. A major challenge in developing countries is, however, the lack of comprehensive research on environmental resource management and poverty alleviation which can inform national strategic plans and policies. Policymakers, farmers, donors, and others need research based information not only to design policies but also to evaluate their efficiency in reaching their objectives.

At the beginning of 2010, about SEK 2 million

was allocated to the EfD research fund. This fund supported at least 13 research projects of various sizes across the six centers. Some centers used this funding as seed money to crowd-in other funding. By the end of the year, about 29 research projects had been executed across the six centers. Research projects in 2010 focused on all the six EfD major themes: agriculture, climate change, fisheries, forestry, parks and wildlife, and policy design. However, the bulk of projects dealt with climate change and policy design.

EfD-Central America's four research projects which were fully funded by the EfD focused on climate change, fisheries, parks and wildlife, and policy design. EfD-China had eight research projects of which only one was fully funded by the EfD. EfD-China has successfully managed to crowd-in research funding from other sources. The center has demonstrated how beneficiaries from EfD research, especially government departments (notably the Chinese Ministry of Science and Technology, the Chinese Ministry of Environmental Protection and the Beijing Municipal Government), can be roped-in to share in the costs of producing policy-relevant research. The focus of the 2010 research projects in China has been on climate change and policy design, which represents a significant shift from the center's traditional focus on forestry. This demonstrates the center's capacity to respond to new research needs. The center in Ethiopia has largely continued with its focus on agriculture, an area of great need in that country. The center had four projects in 2010, two of which also addressed climate change, forestry and policy design aspects of agriculture. EfD-Ethiopia is one of the centers which still heavily relies on full EfD funding. EfD-Kenya had three research projects in 2010 which focused on forestry, climate change and policy design. These projects received full EfD funding. One of the Kenyan projects demonstrates a serious attempt by the EfD to promote research on forestry and REDD issues. Forestry and REDD will continue to be a major focus of EfD research in the future. The EfD center in Tanzania teamed up with the Tanzanian Forest Research Institute and the Ruvo

Fuelwood Project on two research projects co-funded by the EfD in fisheries and forestry. There is more work going on in Tanzania which seeks to directly address poverty issues in that country. EfD-South Africa had seven research projects in 2010. These fell into the following themes: climate change, parks and wildlife, and policy design. Three of the projects were co-funded by the Vice Chancellor of the University of Cape Town as part of the newly established African Climate Development Initiative at that university. The case at EfD-South Africa demonstrates how synergies between EfD research and universities' priorities can be exploited to secure additional financial support from host universities.

In terms of research output, 2010 was a successful year in terms of EfD discussion papers, peer reviewed articles and other outputs. There were 36 peer-reviewed articles, 27 discussion papers and 12 books and book chapters.. The figures for these categories represent an overall growth of 4 percent from the 2009 levels but the really remarkable fact is that the number of peer reviewed articles have increased to such an extent, from 14 in 2009 to 36 in 2010. The peer-reviewed articles mainly focused on agriculture (6), forestry (7) and policy design (15) even though there were outputs on each of the EfD themes. Notable in 2010 is that four of the centers also produced and disseminated policy briefs and other reports.

Historically, EfD-Central America and EfD-Ethiopia have been at the forefront in terms of the cumulative number of peer-reviewed publications. It is pleasing to note that EfD-China and EfD-South Africa have drastically increased the number of their peer-reviewed publications in 2010. These two centers jointly produced over two-thirds of peer-reviewed articles in the network. However, the momentum for producing peer-reviewed articles still exists in EfD-Central America and EfD-Ethiopia. This can be seen from the large stock of EfD Discussion papers produced in 2010. It is expected that the outcomes will be better in the future when EfD-Kenya and EfD-Tanzania improve their peer-review output levels. Publications can be found at efdinitiative.org/research/publications.

EFD CENTERS

There are six Efd centers, hosted by universities or academic institutions in each respective country. For more information on each center, please contact the coordinators:

CENTRAL AMERICA

Environment for Development Program for Central America
Centro Agronómico Tropical de Investigación y Enseñanza (CATIE)
Dr. Francisco Alpizar, Coordinator
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Phone: +506 558 2215 /2624



CHINA

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EFD PARTNERS



UNIVERSITY OF GOTHENBURG
SCHOOL OF BUSINESS, ECONOMICS AND LAW

EEU, Environmental Economics Unit

EEU at Göteborg University, Sweden, has initiated the Efd initiative and acts as coordinator and secretariat. For more information please contact:

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Karin Backteman, Communications officer

Environmental Economics Unit (EEU), Göteborg University
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Phone: +46 31 786 25 95



RFF, Resources for the Future

RFF in Washington DC, US, is an important partner of the Efd initiative. RFF's research fellows will work closely with their counterparts and RFF's communications staff will help to disseminate the new centers' research products. For more information please contact:

Senior Fellow Allen Blackman

Resources for the Future
Email: blackman@rff.org
Phone: +202 328 5073

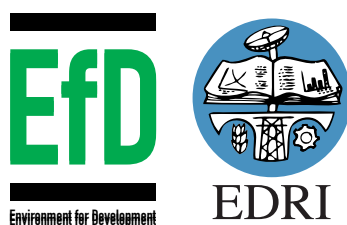


Sida

Swedish International Development Cooperation Agency, provides the funding for the Efd initiative.



Women in livestock marketing: pastoral areas of Borana in Ethiopia.



More information & Contact us

Once you've read this report you might want to know more about our work and the EfD initiative.

For more information please visit www.efdinitiative.org/centers/ethiopia

You are most welcome to contact us:

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