

**CURRICULUM VITAE**

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Environmental Economics Policy Forum for Ethiopia (EEPFE)/  
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**Educational Background:**

2008 - 2012. Ph.D in Economics, University of Gothenburg, School of Business Economics and Law, Department of Economics

**Dissertation: Essays on the Economics of Sustainable Agricultural Technologies in Ethiopia.**

([https://gupea.ub.gu.se/bitstream/2077/31438/2/gupea\\_2077\\_31438\\_2.pdf](https://gupea.ub.gu.se/bitstream/2077/31438/2/gupea_2077_31438_2.pdf))

**The thesis includes the following chapters:**

1. Adoption of Multiple Sustainable Agricultural Practices in Rural Ethiopia (**Published in Journal of Agricultural Economics, 64(3): 597-623.**)
2. Cropping systems diversification, conservation tillage and modern seed adoption in Ethiopia: Impacts on household income, agro-chemical use and demand for labor (**Published in Ecological Economics. 93: 85-93**)
3. The impact of shadow prices and farmer's impatience on the allocation of a multi-purpose renewable resource in Ethiopia. (**Published in Environment and Development Economics. 17: 479-505.**)
4. Jointness in agricultural production and livestock technology adoption in Ethiopia
5. Risk Preferences as Determinants of Soil Conservation Decision in Central Highlands of Ethiopia. (**Published in Journal of Soil and Water Conservation. 66(2): 87-96.**)

**Examiner:** Professor Salvatore di Falco, University of Geneva, Switzerland

**Course work:** Two years basic and specialization courses (130 ECTS) – including Policy advice course (with special emphasis on Research to Policy)

2004. M.Sc Degree in Economics (Economic Policy Analysis), Department of Economics, Addis Ababa University, Ethiopia,

**Research Thesis (M.Sc):**

Risk and Time Preferences on Soil Conservation Decision in the Central Highlands of Ethiopia. M.Sc Thesis. 2004. Addis Ababa University. Ethiopia

1999. B.A. Degree in Economics (with Distinction), Department of Economics, Addis Ababa University, Ethiopia

## **Professional Experiences**

- Post Doctoral Research Fellow, Environmental Economics Policy Forum for Ethiopia (EEPFE)/Environment for Development (EfD) Initiative at the Ethiopian Development Research Institute (EDRI), May 2014 – to date.
- Consultant (as Agricultural Economist), CIMMYT, March – December 2014.
- Consultant (as Agricultural Economist), CIMMYT, March – December 2013.
- PhD candidate, Department of Economics, University of Gothenburg, Sweden, Aug. 2008 – Dec. 2012.
- Associate Researcher, Department of Socio-economics, Ethiopian Institute of Agricultural Research, July 2004 – Aug. 2008
- Assistant Researcher, Department of Socio-economics, Ethiopian Institute of Agricultural Research, Feb., 1999 – July 2004
  - Developing research proposals, design and conduct various socio-economic surveys including natural resource management (such as the economics of soil fertility management and soil and water conservation), agricultural input and output markets and value chain analysis for crops and livestock, agricultural technologies adoption and impact studies (such as dairy technologies, poultry, natural resource management technologies, etc),
  - Participated in the multidisciplinary team on various on-farm evaluations of agricultural technologies.
  - Briefing and communicating research results to the various stakeholders (farmers, traders, researchers, policy makers, etc) through policy briefs, research reports, workshops/seminars and journal articles.

## **Leadership role:**

**Head**, the Socio-economics Department, Debre Zeit Agricultural Research Center, Sept. 2005 – Aug. 2008

- Coordinating all socio-economics research activities, routine administrative assignments and serving as member on various committees at the national and center level (at Debre Zeit Agricultural Research Center, Ethiopia).

**Coordinator**, Adoption and Impact Studies of Agricultural Technologies Project, Ethiopian Institute of Agricultural Research, March, 2006 – Aug. 2008.

- Research coordination including research planning, team building and leadership
- Monitoring the progress of all research activities on adoption and impact of agricultural technologies conducted at different centers in the institute.
- Responsible for budget allocations and control

## **Participation on other activities (as a consultant I have participated in):**

- ◇ Adoption pathways and sustainable intensification of agricultural practices (for CIMMYT)
- ◇ Characterization of livestock marketing in pastoral areas and live animal and meat export study in Ethiopia (USAID funded project),
- ◇ Socio-economics survey design, data management and analysis of improving productivity of sheep and goats in Ethiopia (USAID funded project);
- ◇ Assessment of achievements, challenges and opportunities of farmers' cooperatives and their union in Kembata zone in Ethiopia (commissioned by International Institute of Rural Reconstruction)

## Publications

### Peer reviewed journal articles

- ◇ **Teklewold H.**, Kassie M., Shiferaw B. and Köhlin G. 2013. Cropping systems diversification, conservation tillage and modern seed adoption in Ethiopia: Impacts on household income, agro-chemical use and demand for labor. *Ecological Economics*. 93: 85-93.
- ◇ **Teklewold H.**, Kassie M., and Shiferaw B. 2013. Adoption of Multiple Sustainable Agricultural Practices in Rural Ethiopia. *Journal of Agricultural Economics*. **64(3): 597-623**
- ◇ **Teklewold Hailemariam**, 2012. The impact of shadow prices and farmer's impatience on the allocation of a multi-purpose renewable resource in Ethiopia. *Environment and Development Economics*. 17: 479-505.
- ◇ **Teklewold Hailemariam**. and Köhlin Gunnar. 2011. Risk Preferences as Determinants of Soil Conservation Decision in Central Highlands of Ethiopia. *Journal of Soil and Water Conservation*. 66(2): 87-96.
- ◇ Erkossa, Teklu and **Teklewold Hailemariam**, 2009, "Agronomic and Economic Efficiency of Manure and Urea Fertilizers Use on Vertisols in Ethiopian Highlands". *Journal of Agricultural Sciences in China*, 2009, vol. 8, pp 352-360.
- ◇ Ayele, Gezahegne, Mohammed A. Jabbar, **Teklewold Hailemariam**, Elias Mulugeta and Getahun Kebede, 2006, "Seasonal and Inter-Market Differences in Prices of Small Ruminants in Ethiopia", *Journal of Food Products Marketing*, 2006, vol. 12, pp. 59-78.
- ◇ **Teklewold, Hailemariam**, Gezahegn Ayele, Tekalign Mamo, Teklu Erkossa and Selamyehun Kidanu, 2006, "Economic Optimum of Fertilizer Use in Wheat Production in Vertisol Areas of Central Ethiopia", *Ethiopian Journal of Agricultural Economics*, 2006, vol. 6, pp. 35-48.
- ◇ **Teklewold, Hailemariam**, Gezahegn Ayele, and Abiye Astatike, 2004, "Economics of Conservation Tillage and Implication for Sustainable Resource Management in Smallholder Farming of Gimbichu District of Ethiopia", *Ethiopian Journal of Natural Resources*, 2004, vol. 6, pp. 199-213.
- ◇ Ferede, Setotaw, Gezahegne Ayele and **Teklewold Hailemariam**, 2004, "Technological Change and Farm Household Food Security in Moretena Jiru District of the Central Highlands of Ethiopia", *Ethiopian Journal of Development Research*, 2004, vol. 26, pp. 117-139.

### Discussion papers/Book chapter

- ◇ Yesuf, Mahmud and **Teklewold Hailemariam**. 2011. **Risk and Technology adoption: Case studies from the Ethiopian Highlands**. In: Bluffstone, R and G. Köhlin (eds), *Agricultural Investment and Productivity: Building Sustainability in East Africa*. Earthscan/RFF Press.
- ◇ **Teklewold Hailemariam**. and Köhlin Gunnar. (2010). Risk preferences as determinants of soil conservation decisions in Ethiopia. EFD Discussion Paper Series. EFD DP 10-19. Environment for Development Initiative and Resources for the Future, Washington DC.
- ◇ Legese Getachew, **Teklewold Hailemariam**, Dawit Alemu and Asfaw Negassa, 2008, "Live animal and meat export value chains for selected areas in Ethiopia: Constraints and opportunities for enhancing meat exports" ILRI Discussion Paper 12, 2008, ILRI (International Livestock Research Institute), Nairobi, Kenya.
- ◇ Shiferaw, Bekele and **Teklewold Hailemariam**, 2007, "Structure and functioning of chickpea markets in Ethiopia: Evidence based on analyses of value chains linking smallholders and markets", Working Paper 6, 2007, Improving Productivity and Market Success (IPMS) of Ethiopian Farmers Project. ILRI (International Livestock Research Institute), Nairobi, Kenya. 63 pp.
- ◇ Shiferaw, Bekele, Richard Jones, Said Silim, **Teklewold Hailemariam** and Eastonce Gwata, 2007, "Analysis of production costs, market opportunities and competitiveness of Desi and Kabuli chickpeas in Ethiopia", Working Paper 3, 2007, IPMS (Improving Productivity and Market Success) of Ethiopian Farmers Project. ILRI (International Livestock Research Institute), Nairobi, Kenya. 48 pp.
- ◇ Dadi Legesse and **Teklewold Hailemariam**, Aden Aw-Hassan, Ali M. Abdel Moneim and Geletu Bejiga, 2003, *The Socio-Economic Factors Affecting Grasspea Consumption and the Incidence of Lathyrism in Ethiopia*. Integrated Natural Resource Management Research, 2003, Series, No. 4. International Center for Agricultural Research in Dry Areas (ICARDA), Aleppo, Syria, pp. 55.

### Research reports/proceedings

- ◇ **Teklewold, Hailemariam**, Legesse Getachew and Alemu Dawit, 2009. Market structure and function for live animal and meat exports in some selected areas of Ethiopia. Research Report No. 79, 2009, Ethiopian Institute of Agricultural Research (EIAR).

- ◇ **Teklewold, Hailemariam** and Kohlin Gunnar, 2009, Risk preferences as determinants of farmers' soil conservation decision in central highlands of Ethiopia. Proceedings of the 11<sup>th</sup> Annual Conference of Agricultural Economics Society of Ethiopia.(AESE), 2009, Exploring Factors Behind the Agricultural Development in Ethiopia: Favourable Conditions and Constraints. pp. 305-327.
- ◇ Ferede, Setotaw , Gezahegn Ayele and **Teklewold Hailemariam**, 2003, “Impact of Technology on the Household Food Security in Tef and Wheat Farming Systems on the Moretena-Jiru Wereda”, Research Report No. 48, 2003, Ethiopian Agricultural Research Organization (EARO).
- ◇ **Teklewold, Hailemariam**, Legesse Dadi, Alemu Yami and Negusse Dana, 2006, “Adopting Poultry Breeds in the Highlands of Ethiopia”, Research Report 65, 2006, Ethiopian Institute of Agricultural Research (EIAR).
- ◇ **Teklewold, Hailemariam** and Legesse Dadi, 2006, “Is Lathyrism a Poor Man's Disease? The Relationship Between Socio-economic Status and Lathyrism in Ethiopia” Proceedings of the 9<sup>th</sup> Annual Conference of Agricultural Economics Society of Ethiopia.(AESE), 2006, Reversing Rural Poverty in Ethiopia: Dilemmas and Critical Issues. pp. 97-112.
- ◇ **Teklewold Hailemariam**, Legesse Dadi, Alemu Yami and Negusse Dana. 2006. Determinants of adoption of poultry technology: a double-hurdle approach. Livestock Research for Rural Development. Volume 18, Article # 40. <http://www.cipav.org.co/lrrd/lrrd18/03/tek118040.htm>
- ◇ Dana N, Duguma R, **Teklewold H** and Aliye S. 2006. Transforming village poultry systems into small agro-business ventures: a partnership model for the transfer of livestock technologies in Ethiopia. Livestock Research for Rural Development. Volume 18, Article #169. <http://www.cipav.org.co/lrrd/lrrd18/12/dana18169.htm>
- ◇ **Teklewold, Hailemariam**, Gezahegn Ayele, Getahun Kebede, Abate Bekele and Yalemeshet Woldeamanuel, 2005, “Spatial Integration in the Small Ruminants Markets”, Proceedings of the Second Socio-economics Workshop: Technologies, Markets and Poverty: Evidence from Studies of Agricultural Commodities in Ethiopia. Ethiopian Institute of Agricultural Research, (EIAR), November. 29-30, 2005, Addis Ababa. Ethiopia, pp. 207-225.
- ◇ Nigussie Dana, Reta Duguma, Sherif Aliye, **Teklewold Hailemariam**, Tesfaye Kumsa, Solomon Assefa, Alemu Yami, Fedlu Hassen, Kaleb K.Work and Amsalu Asfaw. 2006. Promotion of Improved Poultry Technologies in East Shewa, Central Ethiopia. Proceedings of Scaling up and Scaling out Agricultural Technologies in Ethiopia: An International Conference, 9-11 May 2006, Addis Ababa. pp. 193-207.
- ◇ **Teklewold Hailemariam**, Gezahegn Ayele and Abiye Astatike. 2003. Economics of Conservation Tillage in Wheat Production: A Stochastic frontier Production Function Approach. Research Report No. 47. Ethiopian Agricultural Research Organization.
- ◇ Dadi, Legesse, **Teklewold Hailemariam**, Aden Aw Hassan, Ali Abdel Moniem and Geletu Bejiga, 2002, “Grasspea Consumption and Lathyrism in Ethiopia” Proceedings of the first Socio-economics workshop: Agricultural Systems Analysis and Constraints Identification, Ethiopian Agricultural Research Organization (EARO), August, 6-8, 2002, Addis Ababa, Ethiopia, pp. 49 - 66.
- ◇ Dadi, Legesse, **Teklewold Hailemariam**, Aden Aw Hassan, Ali Abdel Moniem and Geletu Bejiga, 2002, “Grasspea Production, Consumption and Indigenous Processing Methods in Ethiopia” Proceedings of the first Socio-economics workshop: Agricultural Systems Analysis and Constraints Identification, Ethiopian Agricultural Research Organization (EARO), August, 6-8, 2002, Addis Ababa, Ethiopia, pp. 1 - 20.
- ◇ **Teklewold, Hailemariam** and Gezahegn Ayele, 2000, “Economics of Fertilizer Use on Durum Wheat”, Proceedings of the Eleventh Regional Wheat Workshop for Eastern, Central, and Southern Africa, CIMMYT, 2000, Addis Ababa, Ethiopia, pp 395- 402.

### **Policy Briefs**

- ◇ Sustainable Agricultural Intensification Through Multi-technology Adoption: A Regional Overview from East and Southern Africa (Socioeconomics Program Policy Brief No. 4, February 2014 CIMMYT)
- ◇ Multiple sustainable agricultural practices increase income and save ecosystems: Evidence from Ethiopia (draft)
- ◇ The Win-Win effects of cropping system diversifications in Malawi: Increasing income and protecting ecosystems (draft)
- ◇ Reducing risk exposure through the choice of multiple sustainable intensification practices: Evidence from Ethiopia and Malawi (draft)
- ◇ Increasing income while maintaining ecosystem services: Evidence from Malawi and Ethiopia (draft)

### **Other works in progress**

- ◇ Adoption and impact of multiple agricultural water management practices in Ethiopia
- ◇ Gender, sustainable agricultural practices and food security in rural Malawi
- ◇ Impacts of Spatial and temporal cropping systems diversification on crop income and agrochemicals use in Malawi (Under review)
- ◇ On the joint estimation of technology adoption and market participation under transaction costs in smallholder dairying in Ethiopia
- ◇ Production risks and food security under alternative technology choices in Malawi: Application of multinomial endogenous switching regression (Under review)
- ◇ Understanding the Adoption of a Portfolio of Sustainable Intensification Practices in Eastern and Southern Africa (Under review).
- ◇ Crop income and input use under alternative sustainable intensification choices: Application of multinomial endogenous switching treatment regression
- ◇ Impacts of multiple sustainable agricultural practices on farm income and agro-chemical use: Panel data evidence from Ethiopia and Malawi

### **Presentation in workshops/conferences**

- ◇ The 19th Annual Conference of the European Association of Environmental and Resource Economists, Prague, June 27-30, 2012. Participate and present a paper “Adoption of bio-diversification, conservation tillage and modern seed in Ethiopia: Welfare and environmental implications”.
- ◇ The XIII<sup>th</sup> Congress of the European Association of Agricultural Economists, August 30 – September 2, 2011, Zurich, Switzerland. Participate and present a paper “Farming or burning: The impact of shadow prices and farmer’s impatience on the allocation of a multi-purpose resource in Ethiopia”
- ◇ The 13<sup>th</sup> Annual BIOECON Conference “Resource Economics, Biodiversity Conservation and Development”, 11 – 13<sup>th</sup> September 2011, Geneva, Switzerland. Participate and present a paper “Farming or burning: The impact of shadow prices and farmer’s impatience on the allocation of a multi-purpose resource in Ethiopia”
- ◇ Conference on Production and Carbon Dynamics in Sustainable Agriculture and Forest Systems in Africa–Science Needs and Deeds, 28-29 Sept 2010, Aula Magna, Stockholm University’ . Participate and present a paper “Jointness in agricultural production and crop-livestock technology adoption in Ethiopia.”
- ◇ Environment for Development (EfD) Fourth Annual Meeting, October 28-31, 2010, UNECA Africa Hall, Addis Ababa & Kuriftu Resort, Debre Zeit, Ethiopia. Participate and present a paper “Jointness in agricultural production and crop-livestock technology adoption in Ethiopia.”
- ◇ Workshop on “Land Productivity in a Changing Climate: lessons learned and future research needs, Gothenburg University, Sweden, 2-3 December, 2010. Participate and present a paper “Jointness in agricultural production and crop-livestock technology adoption in Ethiopia.”
- ◇ The 64<sup>th</sup> International Annual Conference on Soil and Water Conservation Society, July 11 – 15, 2009, Michigan, USA. Participate and present a paper “Risk preferences as determinants of farmers’ soil conservation decision in central highlands of Ethiopia.”
- ◇ The 8<sup>th</sup> Nordic Countries Development Economics conference, June 19 – 20, 2009, Norway. Participate and present a paper “Analyses of markets and value chains for chickpea in Ethiopia.”

### **Training and Workshop:**

- ◇ Research to Policy: Training in Policy Advice for Environmental Economists, September 2008 - November 2012, SIDA help-desk, University of Gothenburg.
- ◇ UN expert group meeting on “Sustainable land management and agricultural practices in Africa: Bridging the gap between research and farmers” April 16 – 17, 2009, University of Gothenburg, Sweden
- ◇ Workshop on "How can African agriculture adapt to climate change? Insights for Ethiopia". September 20 - 21, 2007, Sheraton Addis, Ethiopia.
- ◇ "Enhancing grain legumes' productivity, and production and the income of poor farmers in drought-prone areas of sub-Saharan Africa and South Asia" (also called the Tropical Legumes II Project, funded by Bills and Melinda foundation), 24-29 September 2007, Arusha, Tanzania.
- ◇ Professional Qualities for Facilitation and Collaboration in Natural Resource Management, October 2-20, 2006, Wageningen, Netherlands.

- ◇ Adaptive Management Tools and Methods for Sustainable Natural Resource Management, October 22 – November 11, 2006, Kumasi, Ghana.
- ◇ Understanding and Analyzing Agricultural Market Performance: Food Price Stabilization Policies – Concepts and Analytical Tools, July 13 – 15, 2006, Addis Ababa, Ethiopia.
- ◇ Technical workshop on modeling for sustainable land management, at Ethiopian Organization for Agricultural Research, Addis Ababa, June 1-2, 2005 (co-organized with IFPRI).
- ◇ Workshop on Land Degradation and Poverty at UNECA, May 31, 2005 (co-organized with the World Bank, Ministry of Agriculture and Rural Development and the Environmental Protection Agency).

**Press releases:**

- ◇ Educating women key to sustainable farming in Africa, <http://www.scidev.net/en/sub-suهران-africa/news/educating-women-key-to-sustainable-farming-in-africa-says-study-.html>
- ◇ Gender plays a key role for sustainable farming in Africa, [http://www.euractiv.com/development-policy/researcher-eu-aid-education-afri-interview-517158?utm\\_source=EurActiv+Newsletter&utm\\_campaign=4e21c70714-newsletter-daily-update&utm\\_medium=email](http://www.euractiv.com/development-policy/researcher-eu-aid-education-afri-interview-517158?utm_source=EurActiv+Newsletter&utm_campaign=4e21c70714-newsletter-daily-update&utm_medium=email)
- ◇ Sustainable agriculture more likely with educated women, <http://www.efdinitiative.org/centers/eeu-sweden/news-press/news-archive/2013/sustainable-agriculture-more-likely-with-educated-women>  
<http://www.economics.handels.gu.se/english/Units+and+Centra/environmental-economics/news---press/news+och+events/detail//sustainable-agriculture-more-likely-with-educated-women.cid1140010>

**Membership and affiliations:-**

- ◇ Member of the Agricultural Economics Society of Ethiopia, since 2001
- ◇ Member of the Soil and Water Conservation Society, USA, since 2009
- ◇ European Association of Environmental and Resource Economists, since 2011
- ◇ European Association of Agricultural Economists, since 2011
- ◇ Research Associate, Environment for Development (Efd) Initiative, since 2008
- ◇ Visiting PhD student researcher at CIMMYT, May 2011 – December 2013.

**Background and knowledge of software skill:-**

- ◇ MS WORD, MS EXCEL, MS POWER POINT, SPSS, STATA, LIMDEP