

# **CURRICULUM VITAE –GUNNAR KÖHLIN**

## **Address work:**

Environment for Development, School of Business, Economics and Law, University of Gothenburg,

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## **Education:**

University of Gothenburg, Ph.D. in Economics, 1998.

University of Toronto, M.A. in Economics, 1988

University of Gothenburg, B.A. in Economics with minors in Anthropology, Development studies, Economic geography, English, Mathematics and French, 1987.

Uppsala university, Russian, Eastern European studies, 1984.

Training courses at the Sida's training center in Uppsala, 1986 and 1988.

The Swedish Army Language School, 1983-84.

**Languages:** Swedish and English. Familiarity with French, German and Russian.

## **Employments:**

Director, Environment for Development (as separate unit), University of Gothenburg, 2019 – to date

Associate Professor, Department of Economics, University of Gothenburg, 2007 – to date

Researcher, Department of Economics, University of Gothenburg, 2003 - 2006.

Acting Associate Professor, Department of Economics, University of Gothenburg, 2000 – 2002.

Researcher, Department of Economics, University of Gothenburg, 1998 – 1999.

Assistant researcher, Department of Economics, University of Gothenburg, 1996 – 1998.

Graduate student position, Department of Economics, University of Gothenburg, 1992 – 1996.

Research Assistant, Policy and Research Division, Environment Department, World Bank, June - September 1991.

Research Assistant, Department of Economics, University of Gothenburg, 1990-1992.

Bilateral Associate Expert in Integrated Rural Development Program in Wollo, Ethiopia, Sida, Oct. 1988 - Oct. 1989.

## **Main research and teaching fields:**

My research focuses on management of natural resources and environmental policy in developing countries. Methodologically, I use non-market valuation techniques, household production models

and impact evaluation techniques. Applications include evaluations of tenure interventions affecting forestry and agriculture in China, India, Ethiopia, Kenya and Zimbabwe; domestic energy demand, adoption studies and implications on agricultural productivity; green growth and application of policy instruments.

#### **A. Peer reviewed articles:**

Citations: 3388, h-index: 28, i10-index: 44 (according to Google Scholar 20-05-18).

- A37. Di Falco, Salvatore, Jeremy Lucchetti, Marcella Varonesi, Gunnar Köhlin. (2019) Property rights, Land Disputes and Water Scarcity: Empirical Evidence from Ethiopia. *American Journal of Agricultural Economics*. <https://doi-org.ezproxy.ub.gu.se/10.1093/ajae/aaz036>.
- A36. Teklewold, Hailemariam, Mekonnen, Alemu, Köhlin, Gunnar. "Climate Change Adaptation: A Study of Multiple Climate-smart Practices in the Nile Basin of Ethiopia." *Climate And Development* 11.2 (2019): 180-92. <https://doi-org.ezproxy.ub.gu.se/10.1080/17565529.2018.1442801>.
- A35. Coria, Jessica, Gunnar Köhlin and Jintao Xu. (2019) On the Use of Market-Based Instruments to Reduce Air Pollution in Asia. *Sustainability*. 11(18). 23 pages.
- A34. Di Falco, Salvatore, Peter Berck, Mintewab Bezabih, Gunnar Köhlin. (2019) [Rain and impatience: Evidence from rural Ethiopia](#), *Journal of Economic Behavior & Organization*, Volume 160, pages 40-51.
- A33. Thomas Sterner, Edward B Barbier, Ian Bateman, Inge van den Bijgaart, Anne-Sophie Crépin, Ottmar Edenhofer, Carolyn Fischer, Wolfgang Habla, John Hassler, Olof Johansson-Stenman, Andreas Lange, Stephen Polasky, Johan Rockström, Henrik G Smith, Will Steffen, Gernot Wagner, James E Wilen, Francisco Alpízar, Christian Azar, Donna Carless, Carlos Chávez, Jessica Coria, Gustav Engström, Sverker C Jagers, Gunnar Köhlin, Åsa Löfgren, Håkan Pleijel, Amanda Robinson. (2019) Policy design for the Anthropocene. *Nature Sustainability*. Vol 2 (1).
- A32. Teklewold, Hailemariam, Mekonnen, Alemu, Köhlin, Gunnar, and Di Falco, Salvatore. "Does adoption of multiple climate-smart practices improve farmers' climate resilience? Empirical evidence from the Nile Basin of Ethiopia." *Climate Change Economics*, 2017, Vol. 8(1). <https://doi-org.ezproxy.ub.gu.se/10.1142/S2010007817500014>.
- A31. Hassen, Sied and Gunnar Köhlin, (2017) Does purchase price matter for the waiting time to start using energy efficient technologies: Experimental evidence from rural Ethiopia? *Energy Economics*. Volume 68. Pages 133-140.
- A30. Alem, Yonas, Abebe D. Beyene, Gunnar Köhlin, Alemu Mekonnen. (2016) Modeling household cooking fuel choice: A panel multinomial logit approach, *Energy Economics*. Volume 59, September 2016, Pages 129-137, ISSN 0140-9883, <http://dx.doi.org/10.1016/j.eneco.2016.06.025>.
- A29. Dufwenberg, Martin, Gunnar Köhlin, Peter Martinsson, Haileselassie Medhin. (2016) Thanks but no thanks: A new policy to reduce land conflict, *Journal of Environmental Economics and Management*, Volume 77, May 2016, Pages 31-50, ISSN 0095-0696, <http://dx.doi.org/10.1016/j.jeem.2015.12.005>.
- A28. Sterner, T., Alem, Y., Alpízar, F., Berck-Spindell, C., Chavez Rebolledo, C., Dikgang, J., Kirama, S., Köhlin, G., Mariara-Kabubo, J., Mekonnen, A., Xu, J. (2014) The Environment for Development Initiative: lessons learned in research, academic capacity building and policy intervention to manage resources for sustainable growth *Environment and Development Economics*. 19(3): 367-391,

- A27. Alem, Y., Köhlin, G., & Stage, J. (2014) The Persistence of Subjective Poverty in Urban Ethiopia. *World Development*, 5651-61.
- A26. Alem, Y., Hassen, S., & Köhlin, G. (2014) Adoption and Disadoption of Electric Cookstoves in urban Ethiopia: Evidence from Panel Data. *Resource and Energy Economics*, 38: 110-124.
- A25. Yi, Yuanyuan, Gunnar Köhlin and Jintao Xu. (2014) "Property rights, tenure security and forest investment incentives: evidence from China's Collective Forest Tenure Reform." *Environment and Development Economics*: 1-26.
- A24. Alem, Yonas and Gunnar Köhlin (2014). The Impact of Food Price Inflation on Subjective Well-being: Evidence From Urban Ethiopia. *Social Indicators Research*. <http://dx.doi.org/10.1007/s11205-013-0318-7>.
- A23. Teklewold Hailemariam, Menale Kassie, Bekele Shiferaw, Gunnar Köhlin. (2013) Cropping system diversification, conservation tillage and modern seed adoption in Ethiopia: Impacts on household income, agrochemical use and demand for labor, *Ecological Economics*, Volume 93, September 2013, Pages 85-93, <http://dx.doi.org/10.1016/j.ecolecon.2013.05.002>.
- A22. Di Falco, Salvatore, Gunnar Köhlin and Mahmud Yesuf (2012). Strategies to Adapt to Climate Change and Farm Productivity in the Nile basin of Ethiopia. *Climate Change Economics*. 3(2).
- A21. Gebreegziabher, Zenebe, Alemu Mekonnen, Menale Kassie, Gunnar Köhlin (2012), Urban energy transition and technology adoption: The case of Tigray, northern Ethiopia, *Energy Economics* 34(2): 410-418,
- A20 Di Falco, Salvatore, Mahmud Yesuf, Claudia Ringler and Gunnar Köhlin (2012), Estimating the Impact of Climate Change on Agriculture in Low-Income Countries: Household Level Evidence from the Nile Basin, Ethiopia, *Environmental and Resource Economics*, 52(4): 457-478.
- A19. Sterner, Thomas; Damon, Maria; Köhlin, Gunnar; Visser, Martine. (2012) Capacity Building to Deal With Climate Challenges Today and in the Future. *Journal of Environment & Development*. 21(1): 71-75.
- A18. Bezabih, Mintewab, Köhlin, Gunnar, Mannberg, Andrea. (2011) Trust, Tenure Insecurity, and Land Certification in Rural Ethiopia, *Journal of Socio-Economics*, 40(6): 833-43
- A17. Kassie, M., G. Köhlin, R. Bluffstone and Stein Holden (2011) "Are Soil Conservation Technologies "Win-Win?" A Case Study of Anjeni in the north-western Ethiopian Highlands" *Natural Resources Forum*, 35: 89-99.
- A16. Köhlin, Gunnar, Mekonnen, Alemu and Westholm, Lisa (2011) 'Climate Change Policy in Africa with Special Reference to Energy and Land Use', *Journal of Natural Resources Policy Research*, 3(1): 63-76.
- A15 Teklewold, H and G. Köhlin (2011), Risk preferences as determinants of soil conservation decisions in Ethiopia, *Journal of Soil and Water Conservation*, 66(2): 87-96.
- A14. Kassie, M., P. Zikhali, J. Pender and G. Köhlin (2010), "The Economics of Sustainable Land Management Practices in the Ethiopian Highlands", *Journal of Agricultural Economics*, 61(3): 605-627.
- A13. Muchapondwa, E., Carlsson, F., and G. Köhlin (2008), 'Can local communities in Zimbabwe be trusted with wildlife management?: Evidence from contingent valuation of elephants', *South African Journal of Economics*, 76/4: 685-704.
- A12. Kassie, M., J. Pender, M. Yesuf, G. Köhlin, R. Bluffstone, E. Mulugeta (2008), 'Estimating returns to soil conservation adoption in the Northern Ethiopian highlands', *Agricultural Economics*, 38: 213-232.

- A11. Cooke-St. Clair, P.C., G. Köhlin and W. F. Hyde (2008), 'Fuelwood, forests and community management – evidence from household studies', *Environment and Development Economics*, 13: 103-135.
- A10. Gundimeda, H. and G. Köhlin (2008), 'Fuel demand elasticities for energy and environmental policies: Indian sample survey evidence', *Energy Economics*, 30/2: 517-546.
- A9. Gupta, G. and G. Köhlin (2006), 'Preferences for domestic fuel: Analysis with socio-economics factors and rankings in Kolkata, India', *Ecological Economics*, 57/1: 107-121.
- A8. Arnold, M., G. Köhlin and R. Persson (2006), 'Woodfuels, livelihoods and policy interventions: Changing perspectives', *World Development*, 34/3: 596-611.
- A7. Köhlin, G. and G. S. Amacher (2005), 'Welfare Implications of Community Forest Plantations in Developing Countries: The Orissa Social Forestry Project', *American Journal of Agricultural Economics*, 87(4):855-869.
- A6. Sterner, T. and G. Köhlin (2003), 'Environmental Taxes in Europe', *Public Finance and Management*, 3(1):117-142.
- A5. Arnold, M., G. Köhlin, R. Persson and G. Shepherd (2003), 'Fuelwood Revisited: What has changed in the last decade?', *CIFOR Occasional Paper* No. 39.
- A4. Köhlin, G. and P. J. Parks (2001), 'Spatial Variability and Disincentives to Harvest: Deforestation and Fuelwood Collection in South Asia', *Land Economics*, 77 (2): 206-218.
- A3. Köhlin, G. and M. Ostwald (2001), 'Impact of plantations on forest use and forest status in Orissa, India, *Ambio*, Vol. 30:1.
- A2. Köhlin, G. (2001), 'Contingent valuation in project planning and evaluation - The case of Social Forestry in Orissa, India', *Environment and Development Economics*, 6:237-258.
- A1. Hyde, W. F. and G. Köhlin (2000), 'Social Forestry reconsidered', *Silva Fennica* 34(3):285-314.

#### **D. Other publications, books and book chapters:**

- D19. World Bank. 2019. Tanzania: Country Environmental Analysis – Environmental Trends and Threats, and Pathways to Improved Sustainability. Washington, D.C.: World Bank Group.
- D18. Gebreegziabher, Zenebe, Alemu Mekonnen, Tadele Ferede, Fantu Guta, Jörgen Levin, Gunnar Köhlin, Tekie Alemu and Lars Bohlin. (2018) The distributive effect and food security implications of biofuels investment in Ethiopia: a CGE analysis. In *Agricultural Adaptation to Climate Change in Africa: Food Security in a Changing Environment* edited by Cyndi Spindell Berck, Peter Berck and Salvatore di Falco, Routledge/RFF Press.
- D17. Danyo, Stephen, Asferachew Abate, Mohammed Bekhechi, Gunnar Köhlin, Haileselassie Medhin, Alemu Mekonnen, Amare Fentie, Tsegaye Ginbo, Betelhem Mulugeta Negede, Haleluya T Gebru and Anna Wikman. (2017). *Ethiopia Country Environmental Analysis (CEA) Realizing Green Transformation*. World Bank. Washington D.C.
- D16. Köhlin, Gunnar, Subhrendu K. Pattanayak, Erin Sills, Eskil Mattsson, Madelene Ostwald, Ariana Salas and Daniel Ternald 2015. In search of double dividends from climate change interventions: evidence from forest conservation and household energy transitions. EBA report 2015:09, Stockholm.
- D15. Sterner, Thomas and Gunnar Köhlin 2015. Pricing Carbon: The challenges, in Barrett, Scott, Carlo Carraro and Jaime de Melo, Towards a workable and effective climate regime, CEPR Press, pp 251-266.

- D14. Datta, Ashokankur and Gunnar Köhlin. 2013. Tenure and Forest Management in India: Impacts on Equity and Efficiency of Van Panchayats in Uttarakhand, in Holden, S., K. Otsuka and K. Deininger, Land Tenure Reform in Asia and Africa. The Palgrave Macmillan.
- D13. Köhlin Gunnar, Erin O. Sills, Subhrendu K. Pattanayak, Christopher Wilfong (2011). Energy, Gender and Development: What are the linkages? Where is the evidence? *World Bank Policy Research Paper 5800*, Washington D.C.
- D12. Bluffstone, Randall and Gunnar Köhlin (eds) (2011). Agricultural Investment and Productivity: Building Sustainability in East Africa. Earthscan/RFF Press.
- D11. Mekonnen, A., Yesuf, M., Carlsson, F. and Köhlin, G. (2010) Farmers' Choice between Public Goods and Agricultural Extension Packages in Ethiopia: A Stated Preference Analysis. In Bennett, J. and Birol E. (eds.) *Choice Experiments in Developing Countries*, Cheltenham, UK, Edward Elgar Publishing Ltd, pp 189-204.
- D10. Hofstad O., G. Köhlin, J. Namaalwa (2009). How can emissions from fuelwood be reduced? In Angelsen, A. with Brockhaus, M., Kanninen, M., Sills, E., Sunderlin, W. D. and Wertz-Kanounnikoff, S. (eds) 2009 *Realising REDD+: National strategy and policy options*. CIFOR, Bogor, Indonesia.
- D9. Köhlin, G. (2008). Aspects of Land Degradation in Lagging Regions: Extent, Driving Forces, Responses, and Further Research with Special Reference to Ethiopia. Agriculture and Development, G Kochendorfer-Lucius, B Pleskovic, editors. p. 71 - 84. Washington D.C.: World Bank Publications. ISBN/ISSN: 0821371274
- D8. Gundimeda, H. and G. Köhlin (2003), What do we know about the fuelwood scenario in India? in Köhlin, G. (ed), *Fuelwood – Crisis or Balance?*, University of Gothenburg.
- D7. Cooke - St. Clair, P., G. Köhlin, and W. Hyde (2003), A Fuelwood Crisis: Where and for whom? in Köhlin, G. (ed), *Fuelwood – Crisis or Balance?*, University of Gothenburg.
- D6. Köhlin, G. (2003), *Fuelwood – Crisis or Balance?*, Workshop Proceedings (editor), University of Gothenburg.
- D5. Hyde, W.F., G. Köhlin and G. S. Amacher, (2000), Social Forestry Reconsidered, in *Economics of forestry and rural development: An empirical introduction from Asia*, pp. 243-87, Ann Arbor: University of Michigan Press,
- D4. Köhlin, G. (1998), *The value of Social Forestry in Orissa, India*, Ekonomiska studier utgivna av Nationalekonomiska institutionen, Handelshögskolan vid Göteborgs universitet, 83. (PhD Thesis)
- D3. Carlsson, J., A. Ekbom and G. Köhlin, G (1994), *The Political Economy of Evaluation*, Macmillan.
- D2. Köhlin, G. (1994), Sustainability, deforestation and policies in Africa, in Sterner, T. (ed.), *Economic Policies for Sustainable Development*, Kluwer Academic Publishers.
- D1. Köhlin, G. (1987), *Disaster Prevention in Wollo: The Effects of Food-for-work*, Ethiopian Red Cross Society, Addis Abeba, 1987.

#### **E. Working papers:**

- E46. Alem, Yonas, Sied Hassen & Gunnar Köhlin. Decision-Making within the Household: The Role of Autonomy and Differences in Preferences. EfD Discussion Paper Series DP 19-17.
- E45. Teklewold, Hailemariam, Alemu Mekonnen, Gunnar Köhlin and Salvatore Di Falco. 2016.

- “Does Adoption of Multiple Climate-Smart Practices Improve Farmers’ Climate Resilience? Empirical Evidence from the Nile Basin of Ethiopia.” EfD Discussion Paper Series 16-21.
- E44. Gebreegziabher, Zenebe, Alemu Mekonnen, Tadele Ferede and Gunnar Köhlin. 2014. “Profitability of Biofuels Production: The Case of Ethiopia.” EfD Discussion Paper Series EfD DP 14-19.
- E43. Alem, Yonas, Abebe Damte Beyene, Gunnar Köhlin and Alemu Mekonnen. 2013. “Household Fuel Choice in Urban Ethiopia A Random Effects Multinomial Logit Analysis.” Environment for Development Discussion Paper Series EfD DP 13-12.
- E42. Ferede, Tadele, Zenebe Gebreegziabher, Alemu Mekonnen, Fantu Guta, Jörgen Levin and Gunnar Köhlin. 2013. “Biofuels, Economic Growth, and the External Sector in Ethiopia A Computable General Equilibrium Analysis.” Environment for Development Discussion Paper Series EfD DP 13-08.
- E41. Alem, Yonas, Gunnar Köhlin and Sied Hassen. 2013. “The Dynamics of Electric Cookstove Adoption: Panel Data Evidence from Ethiopia.” Environment for Development Discussion Paper Series EfD DP 13-03.
- E40. Gebreegziabher, Zenebe, Alemu Mekonnen, Tadele Ferede, Fantu Guta, Gunnar Köhlin, Tekie Alemu and Jörgen Levin. 2013. “The Distributive Effect and Food Security Implications of Biofuels Investment in Ethiopia: A CGE Analysis.” EfD Discussion Paper EfD DP 13-02.
- E39. Medhin, Haileselassie, Gunnar Köhlin, Peter Martinsson and Martin Dufwenberg. 2013. “Thanks but No Thanks: A New Policy to Avoid Land Conflict.” Environment for Development Discussion Paper Series EfD DP 13-01.
- E38. Köhlin, Gunnar, Erin O. Sills, Subhrendu K. Pattanayak, Christopher Wilfong, August 2011, "Energy, Gender and Development - What are the Linkages? Where is the Evidence?" The World Bank Social Development Working Papers - Paper No. 125, A b
- E37. Kassie, Menale, Precious Zikhali, John Pender and Gunnar Köhlin. 2011. “Sustainable Agricultural Practices and Agricultural Productivity in Ethiopia: Does Agroecology Matter?.” EfD Discussion Paper 11.
- E36. Bezabih, Mintewab, Gunnar Köhlin, Zenebe Gebreegziabher and Liyousew Gebremedhin. 2010. “Participation in Off-Farm Employment, Rainfall Patterns and Rate of Time Preferences.” EfD Discussion Paper 10.
- E35. Gebreegziabher, Zenebe, Alemu Mekonnen, Menale Kassie and Gunnar Köhlin. 2010. “Urban Energy Transition and Technology Adoption: The Case of Tigray, Northern Ethiopia.” EfD Discussion Paper 10.
- E34. Mekonnen, Alemu, Menale Kassie, Gunnar Köhlin and Zenebe Gebreegziabher. 2010. “Household Tree Planting in Tigray, Northern Ethiopia: Tree Species, Purposes, and Determinants.” EfD Discussion Paper 10.
- E33. Yesuf Mahmud, Menale Kassie, and Gunnar Köhlin (2009), "Risk Implications of Farm Technology Adoption in the Ethiopian Highlands", EfD Discussion Paper 09-13, Environment for Development Initiative and Resources for the Future, Washington DC, May 2009.
- E32. Kassie, Menale, Precious Zikhali, John Pender, and Gunnar Köhlin (2009), "Sustainable Agricultural Productivity in Ethiopia: Does Agroecology Matter?", EfD Discussion Paper 09-12, Environment for Development Initiative and Resources for the Future, Washington DC,

April 2009.

- E31. Nyangena, Wilfred and Gunnar Köhlin, "Estimating Returns to Soil and Water Conservation Investments: An Application to Crop Yield in Kenya", EfD Discussion Paper 08-32, October, 2008.
- E30. Medhin, H. and Köhlin, G. (2008) 'Soil Conservation and Small-Scale Food Production in Highland Ethiopia: A Stochastic Metafrontier Approach', EfD/RFF Discussion Paper 08-22.
- E29. Mekonnen, Alemu and Gunnar Köhlin, "Determinants of Household Fuel Choice in Major Cities in Ethiopia", EfD Discussion Paper 08-18.
- E28. Mekonnen Alemu and Gunnar Köhlin, "Biomass Fuel Consumption and Dung Use as Manure: Evidence from Rural Households in the Amhara Region of Ethiopia" RFF Discussion Paper EfD DP 08-17.
- E27. Kassie, Menale, Mahmud Yesuf, and Gunnar Köhlin, "The Role of Production Risk in Sustainable Land-Management Technology Adoption in the Ethiopian Highlands", EfD Discussion Paper 08-15.
- E26. Kassie, Menale, Stein Holden, Gunnar Köhlin, and Randy Bluffstone, "Economics of Soil Conservation Adoption in High-Rainfall Areas of the Ethiopian Highlands", EfD Discussion paper 08-09, March 2008.
- E25. Kassie, Menale, John Pender, Mahmud Yesuf, Gunnar Köhlin, and Elias Mulugeta, "The Role of Soil Conservation on Mean Crop Yield and Variance of Yield", EfD Discussion Paper 08-08, March 2008.
- E24. Yesuf, Menale and Gunnar Köhlin, "Market Imperfections and Farm Technology Adoption Decisions: A Case Study from the Highlands of Ethiopia", EfD Discussion Paper 08-04, March 2008.
- E23. Carlsson, F., G. Köhlin, A. Mekonnen and M. Yesuf (2005), 'Are agricultural extension packages what Ethiopian farmers want? A stated preference analysis', *Working Papers in Economics*, No. 172, Department of Economics, Gothenburg University.
- E22. Carlsson, F., G. Köhlin and A. Mekonnen (2004), 'Contingent valuation of community forestry in Ethiopia: a look into value elicitation formats and intra-household preference variations', *Working Papers in Economics*, No. 151, Department of Economics, Gothenburg University.
- E21. Köhlin, G. and P. J. Parks (2000), 'Spatial Variability and Incentives to Harvest: Deforestation and Fuelwood Collection in South Asia', *Studies in Environmental Economics and Development 2000:3*, University of Gothenburg.
- E20. Köhlin, G. and W. F. Hyde (1999), 'Social Forestry Reconsidered', *Studies in Environmental Economics and Development 1999:6*, University of Gothenburg.
- E19. Köhlin, G. (1999), 'The Value of Time saved due to community plantations in developing countries: The case of the Orissa Social Forestry Project', *Studies in Environmental Economics and Development 1999:4*, University of Gothenburg.
- E18. Köhlin, G. (1997), 'Contingent Valuation in Project Planning and Evaluation - the Case of Social Forestry in Orissa, India', *Studies in Environmental Economics and Development 1997:2*, University of Gothenburg.
- E17. Köhlin, G. (1996), *Capacity Building of Environmental Economics in Developing Countries - Synthesis of Experience Workshop*, Marstrand, Sweden.



- E16. Köhlin, G. (1995), 'Approaches to valuation of the Orissa Social Forestry Project', *Studies in Environmental Economics and Development* 1995:7, University of Gothenburg.
- E15. Köhlin, G. (1994), 'Comparison of Methods for Valuation of Social Forestry Projects: Cases from Orissa, India', *Studies in Environmental Economics and Development* 1994:12, University of Gothenburg.
- E14. Köhlin, G. (1993), 'Sustainability, Deforestation and Policy Implications for Africa', *Studies in Environmental Economics and Development* 1993:2, University of Gothenburg.
- E13. Söderstedt, L., M. Aguilar, G. Köhlin and T. Sterner (1993), *Natural Resource Accounting*.
- E12. Köhlin, G. and L. Höglund (1993), 'Strukturanpassningsprogrammets effekter på miljön - en skiss över möjliga samband', *EME Rapport* 1993:1, Göteborg universitet.
- E11. Köhlin, G. and T. Sterner (1992), 'Making the rich pay for the global environment', *Studies in Environmental Economics and Development* 1992:3, University of Gothenburg.
- E10. Köhlin, G. M. Munasinghe (1992), *Economic Valuation of the Environment in Developing Countries: A Review of Methods and Case Studies*, Divisional Working Paper No. 1992-31, World Bank Environment Department.
- E9. Köhlin, G. (1991), *Economic and Environmental Policies for Sustainability: the African Case*, University of Gothenburg.
- E8. Köhlin, G. (1991), *Economic considerations for appraisals of aid projects*, University of Gothenburg.
- E7. Köhlin, G. (1990), *Assessment of aid: A framework for SIDA*, University of Gothenburg.
- E6. Köhlin, G. (1990), *Project evaluation and environmental issues in developing countries*, University of Gothenburg.
- E5. Köhlin, G. (1990), *Macroeconomic effects of import support*, University of Gothenburg.
- E4. Köhlin, G. (1988), *Savings and investment in a peasant household*, University of Toronto.
- E3. Köhlin, G. (1988), *Applications of Chayanov's peasant economic theory*, University of Toronto.
- E2. Köhlin, G. (1988), *Consumer surplus as a project decision criterion*, University of Toronto.
- E1. Köhlin, G. (1988), *Policy effects of food-aid*, University of Toronto.

#### **F. Grants awarded:**

Ref	Title of Project	Donor	Amount in SEK	Period	Role	Peer-review
F30	Environmental Economics Program	Sida	38 600 000	2018-2020	Leader	No
F29	Environmental Economics Program	Sida	133 000 000	2016-2020	Leader	No
F28	PhD program in Climate Economics and Global Change	Sida	11 376 000	2016-2019	Leader	No
F27	EfD and PhD program	Sida	23 700 000	2015	Leader	No
F26	Planning grant for "Policies for the Anthropocene"	Sida	1 500 000	2014-2015	Participant	No
F25	Ecosystem Service Accounting for Development	SEPA	1 800 000	2014-2017	Leader	No
F24	Evaluation of Swedish international climate assistance, especially energy and forestry	EBA	415 000	2014-2016	Leader	No
F23	Institutions for natural resource management in Ethiopia	Swedish Research Council	2 600 000	2014-2016	Leader	Yes



F22	Environmental Economics Research	World Bank	1 350 000	2014-2015	Leader	Yes
F21	Environmental Economics Program	Sida	73 000 000	2010-2014	Leader	No
F20	Forest-Climate-Poverty alleviation network	Sida	4 200 000	2008-2010	Leader	No
F19	Support to institutional development environmental economics for sustainable development	Sida	45 250 000	2007-2009	Leader	No
F18	Environmental economics capacity building support	Sida	49 000 000	2007-2009	Leader	No
F17	Environmental economics capacity building support	Sida	44 000 000	2004-2006	Leader	No
F16	Research on sustainable land use in the Ethiopian Highlands	SAREC	2 100 000	2004-2006	Leader	Yes
F15	Bilateral research collaboration between National University of Rwanda and University of Gothenburg on environment	SAREC	4 660 000	2003-2006	Participant	Yes
F14	Research on sustainable land use in the Ethiopian Highlands	SAREC	800 000	2002-2004	Leader	Yes
F13	Development of inter-disciplinary case study course	Adlerbertska Stiftelsen	252 182	2002	Leader	No
F12	Environmental economics capacity building support	Sida	25 300 000	2001-2003	Leader	No
F11	Research on sustainable land use in the Ethiopian Highlands	SAREC	1 712 000	2000-2001	Leader	Yes
F10	Fuelwood – Crisis or Balance?	CIFOR	1 400 000	1999-2003	Leader	No
F9	Sida/Sarec capacity building program	Sida	13 090 000	1999-2001	Leader	No
F8	Environmental economics capacity building support	Sida	8 700 000	1998-2000	Leader	Yes
F7	Research on sustainable land use in the Ethiopian Highlands	SAREC	1 800 000	1998-1999	Leader	Yes
F6	Sida/Sarec capacity building program	Sida	5 750 000	1997-1998	Leader	No
F5	Environmental economics capacity building support	Sida	10 963 780	1994-1997	Leader	No
F4	Environmental economics capacity building support	SIDA	6 280 000	1991-1993	Leader	No
F3	The value of natural resources: a methodological inquiry	FRN		1990-1991	Participant	No
F2	Socio-economic assessments of development	SIDA		1990-1991	Participant	No
F1	M.Sc. degree at University of Toronto	Rotary Int'l		1987-1988		

### **I. Graduate teaching:**

- I5. Sustainable Development, MSc course in Industrial Ecology, Chalmers University of Technology, 2005, lecture on capacity building in developing countries.
- I4. Environmental Valuation, Second year PhD course, Department of Economics, teacher 2004, 2007, 2009, 2011, 2016.
- I3. Environmental Valuation, Second year PhD course, Department of Economics, 2002, co-organizer and teacher.
- I2. Environmental Valuation, Second year PhD course, Department of Economics, 2000, co-organizer and teacher.

- I1. Environmental Valuation, Second year PhD course, Department of Economics, 1998, co-organizer and teacher.

**J. Undergraduate teaching:**

- J8. *Policy evaluation*; Advanced level, Department of Economics, 2011-2013.
- J8. *Economic policy*; Advanced level, Department of Economics, 2005 - 2006.
- J7. *Economic evaluation*; Advanced level, Department of Economics, 2001 – 2002.
- J6. *Environmental Economics for Science Students*; Intermediate level, 1999 – 2003.
- J5. *Sustainable natural resource management*; Department of Applied Environmental Science, 1998.
- J4. *Cost-Benefit Analysis and Applications to Environment and Development*; Advanced level, Department of Economics, 1997 – 2000, shared course responsibility with O. Johansson.
- J3. *Microeconomic Applications*; Introductory level, Department of Economics, 1994 – 1998.
- J2. *Introduction to Environmental Economics*; Introductory level, Department of Applied Environmental Science, 1993 – 2000.
- J1. *Environmental Economics*; Intermediate level, Department of Economics, 1992-1998.

**K. Supervision PhD candidates:**

- K15. Nuredin Juhar Mahammednur, (part of bilateral support of the PhD program at Addis Ababa University)
- K14. Gameda Olani Akuma, (part of bilateral support of the PhD program at Addis Ababa University)
- K13. Meles, Tensay Hadush (2017), *Power Outages, Increasing Block Tariffs and Billing Knowledge*. September 2017. University of Gothenburg (with Peter Martinsson) <https://gupea.ub.gu.se/handle/2077/53529>
- K12. Yi, Yuanyuan (2017), *Incentives and Forest Reform: Evidence from China*. May 2017. University of Gothenburg (with Fredrik Carlsson) <https://gupea.ub.gu.se/handle/2077/52301>
- K11. Hassen, Sied (2015), *On the Adoption and Dis-adoption of Household Energy and Farm Technologies*. June 2015. University of Gothenburg. (with Yonas Alem)
- K10. Medhin, Haileselassie (2013), *The Poor and Their Neighbors: Essays on Behavioral and Experimental Economics*, Department of Economics, University of Gothenburg. (with Peter Martinsson).
- K9. Hailemariam, Teklewold (2012), *Essays on the Economics of Sustainable Agricultural Technologies in Ethiopia*, Department of Economics, University of Gothenburg. (with Menale Kassie).
- K8. Alem, Yonas (2011), *Essays on Shocks, Welfare, and Poverty Dynamics: Microeconometric Evidence from Ethiopia*. (with Måns Söderbom).
- K7. Zikhali, Precious. *Land Reform, Trust and Natural Resource Management in Africa*. (2008), (with Håkan Eggert)
- K6. Bezabih, Mintewab. (2007), *Essays on Land Lease Markets, Productivity, Biodiversity, and Environmental Variability*. (with Fredrik Carlsson)

- K5. Nyangena, Wilfred. (2006), *Essays on Soil Conservation, Social Capital and Technology Adoption*, Department of Economics, University of Gothenburg. (with Thomas Sterner)
- K4. Yesuf, Mahmud. (2004), *Risk, Time and Land Management under Market Imperfections: Applications to Ethiopia*, Department of Economics, University of Gothenburg. (with Fredrik Carlsson)
- K3. Muchapondwa, Edwin. (2003), *The Economics of Community-Based Wildlife Conservation in Zimbabwe*, Department of Economics, University of Gothenburg. (with Thomas Sterner and Fredrik Carlsson)
- K2. Linde-Rahr, Martin. (2002), *Household Economics of Agriculture and Forestry in Rural Vietnam*, Department of Economics, University of Gothenburg. (with Thomas Sterner)
- K1. Alemu, Tekie. (1999), *Land Tenure and Soil Conservation: Evidence from Ethiopia*, Department of Economics, University of Gothenburg. (with Thomas Sterner and Fredrik Carlsson)

**L. Undergraduate and master's thesis supervision:**

- L18. Impact of Land Certification on Soil Conservation in Amhara Region, Ethiopia by Otto Andersson, to be presented 2006.
- L17. Risk and Time Preferences on Soil Conservation Decision in the Central Highlands of Ethiopia By Hailemariam Teklewold, AAU, 2004.
- L16. Economic and Environmental Impacts of Nature-based Tourism - a case study in Ponta d'Ouro, Mozambique by Martin Bjerner and Jens Johansson, 2001:1
- L15. The Impact of Solid Waste on Hydropower Generation -a non-parametric study of productive efficiency - a case study of Costa Rica by Paula Aguilar, 2000:3
- L14. The Value of Irrigation Water Along the Orange River in Namibia by Elisabeth Brunnström and Lena Strömberg, 2000:2
- L13. An Economic Valuation of Coastal Tourism in Namibia by Fredrik Zeybrandt, 1999:2
- L12. Organic Cotton in India - an environmental economic case study of the organic growing of cotton by Olof Nuñez and Ulf Svensson, 1999:1
- L11. Assessment of the Resource Rent in the Namibia Fisheries – the Case of Hake, Horse mackerel and Pilchard by Elisabeth Ljung and Catarina Sternhufvud, 1998:4
- L10. Assessing Demand for Wildlife Tourism in Namibia – data, objective and methods by Lena Söderstedt, 1996:6
- L9. The Social Benefit of Rural Access Roads – in villages in Lao PDR by Ulrika Nåhem, 1996:5
- L8. Without the Trees – an economic study of the value for informal protection of the forest in Orissa, India by Marina Johansson, 1996:1
- L7. Analytical Framework and Economical Considerations in Tropical Forestry by Martin Linde-Rahr, 1995:1
- L6. Commercial Forestry in Sabah – Government policy implications in tropical forestry by Carlos Jerez, 1994:1
- L5. An NNP Approach to the Forest Economy of Sabah – the concepts of natural resource accounting and net national product calculations applied in the forest economy of Sabah by Roberth Petersson, 1993:9
- L4. Vad har närheten till väg för betydelse för utnyttjandet av skogsresurser? Fallet Tiogo och Négar poulou, Burkina Faso by Petter Halling and Bo Henriksson, 1993:3

- L3. Economic Assessment of Interface Forestry – a cost benefit analysis of the interface forestry programme, Tamil Nadu, India by Staffan Carlsson and Håkan Eggert, 1993:2
- L2. Natural resource Accounting in the System of Natural Accounts- recent debate and further issues by Lena Söderstedt, 1992:2
- L1. Economic Impact Assessment of Implementation Strategies for Soil Conservation by Anders Ekbom, 1991:3

#### **M. Opponent of PhD Theses**

- M6. Betelhem Legesse Debela, UMB, Ås, November 2014
- M5. Claudia Aravena, Queens College Belfast, January 2012
- M4. Nigussie Abade, University College Cork, December 2012
- M3. Hoseana Gebre Hagos, UMB, Ås, September 2010
- M2. Katrina Mullan, Cambridge University, November 2008
- M1. Worku Tessema, UMB, Ås, May 2008

#### **N. Awards, membership, and other honorable duties:**

- N14. Member of Swedish National Committee for Global Environmental Change 2016 -
- N13. Board member, the Swedish Red Cross, 2011 – 2015
- N12. University of Gothenburg Collaboration Prize 2011 for the Unit for Environmental Economics  
Received together with Anders Ekbom and Thomas Sterner.
- N11. Board member, Center for Environment and Sustainability, Chalmers and University of Gothenburg, 2006-2009.
- N10. Winner of University of Gothenburg pedagogical prize in 2003 for development of environmental courses and programs.
- N9. Chairman of election committee for Center for Environment and Sustainability, Chalmers University of Technology and University of Gothenburg, 2003.
- N8. Environmental profile of the month, December 2002, at Chalmers University of Technology and University of Gothenburg. Selected by Center for Environment and Sustainability.
- N7. Member of election committee for Center for Environment and Sustainability, Chalmers University of Technology and University of Gothenburg., 2000.
- N6. Membership in European Association of Environmental and Resource Economists, 1991 to date.
- N5. Rotary International Peace Scholar at University of Toronto, 1987-88.
- N4. Student representative at the Board of the Department of Economics, 1986.
- N3. Chairman of the Department of Economics' Undergraduate Student Union, 1986.
- N2. Member of the Advisory Group on International Issues for the Swedish Red Cross Youth, 1986-87.
- N1. Chairman of the International Groups of the Swedish Red Cross Youth, Gothenburg Branch, 1985-87.

#### **O. Administrative duties and organizational leadership:**

- O16. Chairman, Sida funded Forest - Climate - Poverty network, 2008-2016.

- O15. Director, Environment for Development Initiative, December 2006-.
- O14. Resident advisor Environmental Economics Policy Forum for Ethiopia October 2003 to June 2005, at Ethiopian Development Research Institute, Addis Ababa, Ethiopia. Continued as advisor since then.
- O13. Co-founder of Environmental Economics Policy Forum for Ethiopia 2003.
- O12. Visiting researcher, Department of Economics, Addis Ababa University, August 2003 – August 2004.
- O11. Chairman, undergraduate environmental social science program. May 2000 to June 2003, August 2005 to July 2006.
- O10. Principal investigator on CIFOR-project Fuelwood - Crisis or Balance?, 1999 to 2003.
- O9. Member of steering committee of interdisciplinary Museion program 1999-2000.
- O8. Chairman of Centre for Economic and Social Science Research on the Environment (CESAM), 1998-1999.
- O7. Acting head, Environmental Economics Unit, August 1998 -June 1999.
- O6. Coordinator Swedish capacity building in environmental economics in Central America. 1998 - 2000.
- O5. Project leader, Strengthening of research and teaching in environmental economics in Ethiopia. 1997 to date.
- O4. Coordinator Sida-supported Ph.D. program in environmental economics at University of Gothenburg. August 1997 to date.
- O3. Coordinator of Swedish component in Namibian Natural Resource Accounting-project 1997 - 2000.
- O2. Secretary of the Centre for Environmental Economics in Gothenburg, 1990-1994.
- O1. Coordination of institutional collaboration between Sida and the Environmental Economics Unit concerning Environmental Economics and Development. July 1991 to date.

**P. Interaction with society (“Tredje Uppgiften”):**

- P22. Teamleader for Environmental Economics team for Tanzania Country Environmental Analysis for the World Bank June 2017 – December 2018.
- P21. Teamleader for Environmental Economics team for Ethiopia Country Environmental Analysis for the World Bank October 2015 – June 2017.
- P20. Reviewer of the 2015 Development Policy Financing Retrospective for the World Bank. January – August 2015.
- P19. Gender and Energy review for the World Bank. November 2010 – February 2011.
- P18. World Bank project: Development of the cost-benefit framework to support pro-SLM decision-making in Sub-Saharan Africa. July 2005- June 2006.
- P17. Head of Secretariat for implementation of Operational and Stakeholder workshops on Sustainable Land Management in Ethiopia, March – June, 2005.
- P16. Poverty and Land Degradation in Ethiopia: How to reverse the cycle; local coordinator for World Bank supported ESW research work, implemented by IFPRI and EDRI, 2005.
- P15. Lecture at course on role of civil society for Sida staff, Uppsala, October 2000.
- P14. Economic assessment of A Situation report of Melanchi Diversion Scheme, Nepal, April

2000.

- P13. *Economic values of forests*, invited seminar at Sida, August 1999.
- P12. Location of contaminated mud from Göteborg harbor, SCC, August 1999.
- P11. Training of civil servants from LDC in Environmental Impact Assessments, through SCC in May 1998 and May 1999.
- P10. *From the Red Cross in Strömstad to environmental research in Ethiopia*, invited speech at annual Red Cross meeting in Strömstad, February 1999.
- P9. *Economic aspects of land use*, invited lecture at Swedish Academy of Forest Science, Stockholm, October, 1997.
- P8. *Economic Instruments for a Better Environment*, Presentation at Centrum för Marxistiska Samhällsstudier, Stockholm, April 1994.
- P7. Compilation of experiences from development programs in Wollo, Ethiopia. Carried out for Sida's Natural Resources Development Division, 1993.
- P6. Evaluation of the SIDA-supported Social Forestry Projects in Tamil Nadu and Orissa, India, 1992.
- P5. *Basic course on environmental economics*, Lecture at SIDA, December 1992.
- P4. *Natural Resource Accounting in Costa Rica*, Presentation at SIDA, January 1992.
- P3. *Valuation of the Environment*, Lecture at SIDA, November 1991.
- P2. *Economic Assessment of Aid: Attitudes of SIDA Programme Officers*, Presentation at SIDA, February 1991.
- P1. *Assessment of Aid: A Framework for SIDA*, Presentation at SIDA, September 1990.

**End of CV**