

Curriculum Vitae

Name of Staff: Dr Fitsum Hagos
 Profession: Development and Resource Economist
 Date of Birth: 28 March 1966
 Years with Firm/entity: Five years
 Nationality: Ethiopian

Membership in Professional societies: Ethiopian Economic Association, Ethiopian Agricultural Economics Association, World Economic Association

Key Qualifications:

Fitsum Hagos has more than 15 years teaching and research experience in the economics of agricultural development and natural resource management. He has PhD in Development and Resource Economics from the Agricultural University of Norway (2003). As a researcher he has been involved in various projects focusing on natural resource conservation, tenure security, poverty and environment linkages, and water harvesting and poverty. He has served as team member of ILRI/IFPRI/MU led international research project: “Policies for Sustainable Land Management in the Highlands of East Africa” and is winner of the *Neville Clarke Award* (2001) for outstanding teamwork. Mr. Hagos has served as principal investigator or co-investigator in many donor funded projects such as NORAD funded research project on “Incentives for land conservation in the highlands of Ethiopia”; a Dutch-government sponsored research project in “Water harvesting for poverty reduction and sustainable resource use: Adaptations to climate change”; NORAD II sponsored research projects on “Impact of land registration and certification on land investment” and “Poverty and resource base: assessing poverty environment interactions”. He has published on tenure, land conservation, food for work, microfinance and water harvesting and poverty issues. Mr. Hagos has also served in various academic positions while working in Mekelle University (Ethiopia). Mr. Hagos has also equally extensive experience in consultancy work on behalf of NGOs and donor agencies. The works vary from conducting cost benefit analysis, evaluation of projects, capacity building training on diverse issues. Selected consultancy works are given below.

Education

1988	BA degree, Philosophy, Addis Ababa University, Ethiopia, majoring in Philosophy
1993	MA degree, Economics and African Studies, University of Leipzig, Germany, majoring in Development studies
2003	PhD, Development and Resource Economics, Agricultural University of Norway, Norway, majoring in Development and Resource Economics

Language Skills

	Written	Spoken
English	Good	Good
German	Good	Good
Norwegian	Fair	Fair
French	Fair	Fair
Amharic	Good	Good
Tigrigna	Good	Good

Professional Experience

- Sept 2006 - IWMI, Economist/Social Scientist, International Water Management Institute, IWMI Nile Basin and East Africa Sub Regional Office, Addis Ababa.
- 2003-2006 Assistant Professor (full-time), Natural Resource Economics and Management, Mekelle University, Ethiopia.
- 1998 - 2003 PhD student in Department of Economics and Resource management, Agricultural University of Norway, Norway. Poverty, Institutions, Peasant Behavior and Conservation Investment in Northern Ethiopia (PhD thesis)
- 1995-1998 Lecturer (full-time), Faculty of dryland Agriculture and Natural Resources, Mekelle University College, Ethiopia.
- 1990-1993 MA student in Centrum Fuer Entwicklungslaender Studien, University of Leipzig, Germany.
- 1988-1990 Graduate Assistant and Assistant Lecturer, Asmara University, Eritrea (then Ethiopia)

List of Assignments and Projects

- 2006 Associate Vice President for Academic Programs, Mekelle University, Ethiopia.
- 2005-2006 Principal investigator in a NORADII sponsored research project in “Impact of land registration and certification in Northern Ethiopia”
- 2005-2006 Principal investigator in a NORADII sponsored research project in “Poverty and resource base: assessing poverty environment interactions”
- 2005-2006 Associate Dean for Research and Graduate Programs, Faculty of Dryland Agriculture and Natural Resources, Mekelle University, Ethiopia.
- 2004-2005 Principal Investigator on in a Dutch-government sponsored research project in “Water harvesting for poverty reduction and sustainable resource use: Adaptations to climate change”
- 2004-2005 Department head, Department of Natural Resource Economics and Management, Faculty of Dryland Agriculture and Natural Resources, Mekelle University, Ethiopia.

- 1997-98 Co-investigator in NORAD funded research project in “Incentives for land conservation in the highlands of Ethiopia: Policies for sustainable land management”.
- 1997-1999 Team member of an international Research Project and winner of The *Neville Clarke Award* (2001) for Outstanding Teamwork. ILRI-IFPRI project: “Policies for Sustainable Land Management in the Highlands of East Africa”.
- 1995-1997 Head of Administration and Finance, Mekelle University College, Ethiopia.
- 1996-1998 Department head, Division of Natural and Social Sciences, Faculty Dryland Agriculture and Natural Resources, Mekelle University College, Ethiopia.

Journal Articles and Research Report

- Hagos, F., Ayenew, T., Mamo, K., and Adem, S. (forthcoming). **Groundwater use for irrigation and its impact on the livelihoods of smallholder farmers: the case of Haromaya watershed, Eastern Ethiopia.** Special Issue (SI) of Water International journal on the topic of “Intensifying Groundwater Use in Sub-Saharan Africa for Improving Small-holder Agrarian Livelihoods”.
- Makombe, G., Hagos, F., Namara, R.E., Awulachew, S. B. and Deborah Bossio. Forthcoming. **An Assessment of the financial viability and income impact of small scale irrigation in Ethiopia.** Water International.
- Hagos, F., Awulachew, S.B., Erkossa, T., and Yilma, A.D. 2013. **Economics of Selected Water Control Technologies and their Successful Use: The Case of Ethiopia,** Ethiop. J. Agric. Sci., 23 : 44-62.
- Hagos, F., Jayasinghe, G., Awulachew, S. B., Loulseged, M., Yilma, A.D. 2012. **Agricultural Water Management and Poverty in Ethiopia.** Agricultural Economics, 43:1-13.
- Hagos, F. 2012. **Impact of Land Registration and Certification on Investment: The Case of Tigray, Northern Ethiopia.** Ethiopian Journal of Economics, Vol. XXI, No. 1: 19-47.
- Boelee, E., Yohannes, M., Poda, J-N., McCartney, M., Hagos, F., Cecchi, P., Kibret, S., Laamrani, H. 2012. **Options for water storage and rainwater harvesting to improve health and resilience against climate change in Africa.** Regional Environmental Change, 11 p.
- Hagos, F., Haileselassie, A., Awulachew, S. B., Mapdeza, E., and Tafesse, T.. 2011. **Land and water Institutions in the Blue Nile Basin: Setups and gaps for improved land and water management.** Review of Policy Research, 28 (2): 149-170.
- Hordofa, T., Erkossa, T., Menker, M., Hagos, F. and Awulachew, S. B. 2011. **Comparative Performance of Irrigated and Rainfed Agriculture in Ethiopia.** World Applied Sciences Journal 14 (2): 235-244.
- Hagos, F., Godswill, M., Namara, R. E. and Awulachew, S. B. 2010. **Importance of Irrigated Agriculture to the Ethiopian Economy: Capturing the direct net benefits of irrigation.** Ethiopian Journal of Development Research, 32 (1): 5-52.

- Namara, R. E., Godswill, M., Hagos, H., Awulachew, S. B. 2010. **Rural poverty and inequality in Ethiopia: Does access to small-scale irrigation make a difference?** Ethiopian Journal of Development Research, 32(2): 1-31.
- Mulugeta, A., Hagos, F., Kruseman, G., Linderhof, V., Stoecker, B., Abraha, Z., yohannes, M., and G/ Samuel, G. 2010. **Factors Associated with Child Malnutrition in Tigray, Northern Ethiopia**, East African Medical Journal 87 (6).
- Mulugeta, A., Hagos, F., Stoecker, B., Kruseman, G., Linderhof, V., Abraha, Z., yohannes, M., and G/Samuel, G. 2009. **Nutritional Status of Adolescent Girls from Rural Communities of Tigray, Northern Ethiopia**, Ethiop. J. Health Dev., 23(1): 5-11.
- Erkossa, T., Awulachew, S. B. and Hagos, F. 2009. **Characterization and productivity assessment of the farming systems in the upper part of the Nile Basin**. Ethiopian Journal of Natural Resources. 2009. 11 (2): 149–167
- Hagos, F., Godswill, M., Namara, R. E., and Awulachew, S. B. 2008. **Importance of Irrigated Agriculture to the Ethiopian Economy: Capturing the direct net benefits of irrigation**. Research Report, 128. International Water Management Institute.
- Tadesse, T., Ruijs, A., and Hagos, F. 2008. **Household waste disposal in Mekelle City, Northern Ethiopia**. Waste Management, 28: 2003–2012.
- Hagos, F. and S. Holden 2006. **Tenure security, resource poverty, risk aversion, public programs and household plot level conservation investment in the highlands of northern Ethiopia**. Agricultural Economics, 34, 1-13.
- Holden, S., Barrett, C., and Hagos, F. 2006. **Food-for-Work for poverty reduction and the promotion of sustainable land use: Can it work?** *Journal of Environment and Development*, 11:1-26.
- Hagos, F. (2004). **Who is dropping out of a rural microfinance program? Evidence from a panel data from northern Ethiopia**. African Microfinance Development Review, 2(4).

Book chapters

- Hagos, F., Yazew, E., Yohannes, M., Mulugeta, A., G/Samuel, G., Abreha, Z., Kruseman, G., and Linderhof, 2013. **Impact of small scale water harvesting on household poverty: evidence from Northern Ethiopia**. Book chapter. In: Nature's Wealth: The Economics of Ecosystem Services and Poverty, ed. P. J. H. van Beukering, E. Papyrakis, J. Bouma and R. Brouwer. Published by Cambridge University Press.
- Hagos, F., Ayenew, T., Mamo, K. and Adem, S. Forthcoming. **Groundwater Resources Over-exploitation and Impact on Livelihoods in Haromaya Watershed, Eastern, Ethiopia**, In: Small pumps as Saviors? Improving small-holder Agrarian Livelihood in Sub-Saharan Africa (Tushaar Shah, Paul Pavelic, and Shilp Verma, Eds).
- Haileselassie, A., Hagos, F., Awulachew, S. B., Peden, D.; Ahmed, A.A.; Gebreselassie, S.; Tafesse, T.; Mapdeza, E., and Mukerji, Aditi. 2012. **Institutions and policy in the Blue Nile Basin: understanding challenges and opportunities for improved land and water**

management. In: Awulachew, S. B.; Smatkin, V; Molden, D; Peden, D. (Eds). The Nile River Basin:water, agriculture, governance and livelihoods. Abingdon, UK: Routledge. Pp. 253-268.

Awulachew, S. B., Demissie, S. Hagos, F., Erkossa, T., Peden, D. 2012. **Water management intervention analysis in the Nile Basin.** In: Awulachew, S.B.; Smatkin, V; Molden, D; Peden, D. (Eds). The Nile River Basin:water, agriculture, governance and livelihoods. Abingdon, UK: Routledge. Pp. 292-311.

Hagos, F. and Holden, S. 2011. **Fertilizer use decision of smallholder households in northern Ethiopia: Do risk preferences matter?** In: Determinants of Investments in Sustainable Agriculture in East Africa. Resources for the Future (Bluffstone, R. A. and Kohlin, G., Eds) Chapter 6. , Washington D. C., R FF press.

Hagos,F., Jayasinghe, Gayathri, Awulachew, S. B., Loulseged, M., Yilma, A.D. (2011) **Impacts of Agricultural Water Management Technologies on Poverty in Ethiopia.** African Economic Research Consortium (AERC).

Working papers

Makombe, G., Namara, R. E., Hagos, F, Awulachew, S. B. Ayana, M., and. Bossio, D. 2011. A comparative analysis of technical efficiency of rainfed and smallholder irrigation in Ethiopia. WP 143, International Water Management Institute.

Hailelassie, A., Hagos, F., Mapedze, E., Sadoff, C., Awulachew, S. B., Gebreselassie, S., Peden, D. 2008. **Institutional settings and livelihoods strategies in the Blue Nile basin: implications for upstream downstream linkages.** Working Paper 132, International Water Management Institute.

Hagos, F., Slaymaker, T., Tucker, J., Ludi, E., Boelee, E., and Awulachew, S.B. 2008. **WSS and poverty: micro-level linkages in Ethiopia.** Working Paper 8, RiPPLE.

Anderson, E. and Hagos, F. 2008. **Analysis of macro linkages between access to WSS and wellbeing improvement: Evidence from WMS data.** Working Paper 3, RiPPLE.

Slaymaker, T., Adank, M., Boelee, E., Hagos, F., Nicol, A., Tafesse, T., Tolessa, D. and Tucker, J. 2008. **RiPPLE Theme 3: Water, Livelihoods and Growth.** RiPPLE Concept Paper.

Hagos, F., G. Kruseman, Z. Abreha, V. Linderhof, A. Mulugeta and G/Samuel, G. 2007. **Impact of small scale water harvesting on household poverty: evidence from Northern Ethiopia.** PREM Working Paper: 07/01

Yazaw, E., G/Samuel, G.,Hagos, F., Kruseman, G., Linderhof, V., Yohannes, M., Mulugeta, A., & Abreha. Z. 2007. **Water Harvesting for Poverty Reduction and Sustainable Resource Use: Environment and technical issues.** PREM Working Paper 07/02

Hagos, F., Yohannes, M., Linderhof, V., Kruseman, G., Mulugeta, A., G/Samuel, G., and Abreha, Z. 2006. **Micro water harvesting for climate change mitigation: Trade-offs between health and poverty reduction in Northern Ethiopia.** PREM Working Paper: 06/05.

Hagos, F., J. Pender and N. Gebreselassie. 1999. **Land degradation and strategies for sustainable land management in the Ethiopian highlands: Tigray region,** Socio-economic

and Policy Research Working Paper, 25, International Livestock Research Institute, Nairobi, Kenya.

Symposium and conference papers

Hagos, F., Jayasinghe, G., Awulachew, S. B., Loulseged, M., Yilma, A.D. **Impacts of Agricultural Water Management Technologies on Poverty in Ethiopia**. International Conference organized by IFPRI, AU, UNECA and FARA on Increasing Agricultural Productivity & Enhancing Food Security in Africa: New Challenges and Opportunities. 1-3 Nov., 2011, Addis Ababa.

Hagos, F., Awulachew, S. B., Erkossa, T., Yilma, A.D. **Determinants of adoption and successful use of agricultural management technologies: case of Ethiopia**. 9th International Conference on the Ethiopian Economy. 21-23 July, 2011.

Hagos, F., Jayasinghe, G., Awulachew, S. B., Loulseged, M., Yilma, A.D. **Impacts of Agricultural Water Management Technologies on Poverty in Ethiopia**. 8th International Conference on the Ethiopian Economy. 24-26 June, 2010.

Hagos, F., Slaymaker, T., Tucker, J., Ludi, E., Boelee, E. and Awulachew, S.B. **WSS and poverty: micro-level linkages in Ethiopia**. 6th International Conference on the Ethiopian Economy. 3-5 July, 2008.

Hagos, F., Jayasinghe, G., Awulachew, S. B. and Loulseged, M. **Poverty Impacts of Agricultural Water Management Technologies in Ethiopia**. Mekelle SLM workshop 8-9 July, 2008

Hagos, F., Jayasinghe, G., Awulachew, S. B. and Loulseged, M. **Poverty Impacts of Agricultural Water Management Technologies in Ethiopia**. 3rd Regional Conference on Agricultural Water Management. 15-19 Sept., 2008 Addis Ababa.

Hagos, F., Jayasinghe, G., Awulachew, S. B. and Loulseged, M. **Poverty Impacts of Agricultural Water Management Technologies in Ethiopia**. AERC 20th Anniversary conference-Sept.15-17, 2008, Nairobi.

Hagos, F., Slaymaker T., Tucker, J., Ludi, E., Boelee, E., and Awulachew, S.B. **Poverty impacts of improved access to water and sanitation in Ethiopia**. MUS International Symposium. 4-6 November 2008.

References:

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