



Habtamu Alem CV

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🎓 Education

2014 – 2018	Ph.D in Economics , <i>Norwegian University of Life Science (NMBU)</i> Supervisors: Prof. Atle Gudmestad and Prof. Gudbrand Lien	Ås, Norway
2003 – 2005	MSc in Development and Resource Economics , <i>NMBU</i> Prof. Stein Holden, supervisor	Ås, Norway
2002 – 2003	MSc in Agricultural Economics , <i>Haramya University</i> Dr. Bezabih Emana, supervisor	Haramya, Ethiopia
1990 – 1994	BSc in Agricultural Economics , <i>Haramya University</i>	Haramya, Ethiopia

👜 Professional Experience

2018 – present	Research Scientist , <i>Norwegian Institute of Bioeconomy Research (NIBIO)</i> , department of economics and society	Ås, Norge
2014 – 2018	Ph.D. candidate and Researcher , <i>NIBIO</i>	Ås, Norge
2011 – 2014	Executive Officer , <i>Norwegian Agricultural Economics Research Institute (NILF)</i>	Oslo, Norway
2006 – 2010	Production officer , <i>Den Blind KU private limited company</i>	Ås, Norge
2000 – 2002	Researcher and division head , <i>Amhara Region Agricultural Research Institute (ARARI)</i> , department of economics	Bahir Dar, Ethiopia
1997 – 2000	Researcher in the division of design and study , <i>Commission of Sustainable Agriculture and Environmental Rehabilitation in Amhara Region (CO_SAEARAR)</i>	Bahir Dar, Ethiopia
1994 – 1997	Head for Plan and Program , <i>Bureau of Agriculture and Rural Development</i>	Bahir Dar, Ethiopia

🏆 Awards

2017	Agricultural Economics Society (AES) travel fund award , <i>Award for oral presentation at the 2017 EAAE Congress in Parma.</i>
2014	Full Scholarship awards for Ph.D studies at NMBU , <i>Research Council of Norway</i>
2003	Full Scholarship awards for MSc studies at NMBU , <i>Norwegian Agency for Development Cooperation (NORAD)</i>
2002	Full Scholarship awards for MSc studies at Haramya University, Ethiopia , <i>World Bank based project i.e. Agricultural Research and Training Project (ARTP)</i>

📁 Projects

2022 – 2026	Transforming agricultural production by INTEgrating innovative CROPPing systems and Sustainable farm management practices (InterCrops) I am the coordinator of the project. The proposal is under review for the Biodiversity and ecosystem services call. 25 Eu institutes and 76 researchers were involved in the application.
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- 2022 – 2025 **Multi-criteria assessment, decision support and management tools for sustainable circular mixed farming systems for dairy production (DairyMix)**
- 2020 – 2023 **An integrated approach to the challenge of sustainable food systems: adaptive and mitigatory strategies to address climate change and malnutrition (SYSTEMIC)**
I am the project coordinator. It is an EU project in which eight EU countries (Belgium, France, Germany, Italy, Latvia, Norway, Portugal, and Spain) with 41 institutes. A budget of 1,744,845 euros (own contributions € 9,69339 and funding institution € 7,75506). The research council covers the Norwegian share (ca. 1 million NOK).
- 2020 – 2022 **EU project decision support system for sustainable and GHG optimized milk production in key European areas**
It is a project for novel technology, solutions, and systems to reduce greenhouse gas emissions in the animal production system.
- 2018 – 2021 **improving productivity and quality on local livestock and poultry value chains (SPEAR), LEAP-Agri EU project**
Two EU countries (Norway and Spain and three African countries participated. I mainly contributed the project idea and preparation in which the project was accepted for implementation
- 2013 – 2017 **Agronomy for increased food production in Norway. Challenges and solutions (AGROPRO)**
Involved in the working package 2 which focused on measuring the performance of Norwegian agriculture. It was my Ph.D. work

Languages

English ● ● ● ● ● Norwegian ● ● ● ● ●

Amharic ● ● ● ● ●

Publications (peer reviewed)

- 2022 **Ango, Börjeson, Alem, Senbeta, Wisborg (under 2nd review). Coffee, child labour, and education: examining a triple social-ecological trade-off in an Afromontane forest landscape,**
International Journal of Educational Development (level 2)
The article is written from the perspective of Ango Tola's postdoctoral work (supervision).
- 2022 **Alem H. (under 2nd review). Green Total Factor Productivity contribution to Farm-Level Performance: Evidence from Norwegian Dairy Farms,**
Journal of Environmental Economics and Management (Level 2 journal)
- 2022 **Alem H. (under review). Eco-efficiency and Determinants in Norwegian Dairy Farms: A stochastic Frontier Approach,** *Journal of Dairy Science (Level 2 journal)*
- 2022 **Alem H. (under review). Technical efficiency of Norwegian dairy and crop-producing farms: a contribution to sustainable development,**
Research in Economics
- 2022 **Chala D, Tsegaye D, Alem H, Asalif B, Svenning J. C. (under review). Towards a socio-ecologically sustainable solution of global Water Hyacinth invasions of freshwater,** *Nature Sustainability*
- 2021 **Alem, H. (2021). The Role of Technical Efficiency Achieving Sustainable Development: A Dynamic Analysis of Norwegian Dairy Farms,**
Sustainability 13, no. 4: 1841 <https://doi.org/10.3390/su13041841>
- 2021 **Alem, H. (2021). A Metafrontier Analysis on the Performance of Grain-Producing Regions in Norway,** *Economies 9, no. 1: 10.* <https://doi.org/10.3390/economies9010010>
- 2021 **Alem, H (2021). Measuring technology and performance differentials among the Norwegian dairy farms.,** *International Journal of Productivity and Performance Management.*
<https://www.emerald.com/insight/content/doi/10.1108/IJPPM-10-2019-0487/full/html>

- 2020 **Alem, H (2020). Economic performance among Norwegian crop farms accounting for farm management and socio-economic factors, *International Journal of Business Performance Management (IJBPM)*, Vol. 21, No. 4.**
<http://www.inderscience.com/offer.php?id=110825>
- 2020 **Alem, H. (2020). Performance of the Norwegian dairy farms: A dynamic stochastic approach,**
Research in Economics, 74(3), 263-271. <https://doi.org/10.1016/j.rie.2020.07.006>
- 2019 **Alem, H., Lien, G., Hardaker, J. B., & Guttormsen, A. (2019). Regional differences in technical efficiency and technological gap of Norwegian dairy farms: a stochastic meta-frontier model,**
Applied Economics, 51(4), 409-421. <https://doi.org/10.1080/00036846.2018.1502867>
- 2019 **Alem, H., Lien, G., Kumbhakar, S. C., & Hardaker, J. B. (2019). Are diversification and structural change a good policy? An empirical analysis of Norwegian agriculture,** *Journal of Agricultural and Applied Economics*, 51(1), 1-26.
<https://doi.org/10.1017/aae.2018.17>
- 2018 **Alem, H (2018). The Contribution of Productivity and Price Change to Farm-level Profitability: A Dual Approach Analysis of Crop Production in Norway,** *Productivity and Inequality. Springer 2018 ISBN 978-3-319-68678-3. p. 255-273. DOI: 10.1007/978-3-319-68678-3_12*
- 2018 **Alem, H (2018). Effects of model specification, short-run, and long-run inefficiency: an empirical analysis of stochastic frontier models.,** *Zemedelska Ekonomika; Volume 64(11) p. 508-516* <https://doi.org/10.17221/341/2017-AGRICECON>
- 2018 **Alem, H, Lien, Gudbrand; Hardaker, J. Brian (2018). Economic performance and efficiency determinants of crop-producing farms in Norway,** *International Journal of Productivity and Performance Management; Volume 67. (9) p. 1418-1434.*
<https://doi.org/10.1108/IJPPM-01-2018-0026>
- 2018 **Lien, G, Kumbhakar, S C, Alem, H (2018). Endogeneity, heterogeneity, and determinants of inefficiency in Norwegian crop-producing farms.,** *International Journal of Production Economics 2018; Volume 201. p. 53-61.*
<https://doi.org/10.1016/j.ijpe.2018.04.023>
- 2018 **Alem, Habtamu (2018). Source of total factor productivity change: An empirical analysis of grain-producing regions in Norway.,**
Revista Economica; Volume 69. p. 8-18
Reports thesis, and discussion papers (Norwegian and English)
- 2018 **Alem H (2018). The Economic performance of small-scale Agriculture: Measurement, Drivers, and Decomposition of Productivity. Ph.D. Thesis,** *The Norwegian University of Life Science (NMBU). ÅS, Norway*
- 2012 **Alem, H; Ring, P; Hjukse, O. (2012). Melding om årsveksten 2012. Normalårsavlinger og registrerte avlinger,** *Norsk Institutt for landbruksøkonomisk forskning 2013 (ISBN 978-82-7077-862-1) 18 p. (11)*
- 2012 **Alem, H. (2012). Bill Gates calls for a focus on raising farm-level productivity to reduce poverty,** *Norsk Institutt for landbruksøkonomisk forskning; discussion paper 2012*
- 2012 **Alem, H (2012). People in Crises: Tackling the Root Causes of Famine in the Horn Africa,** *Norsk Institutt for landbruksøkonomisk forskning 2012: Discussion paper 1*
- 2005 **Alem H. (2005). From Hand to Mouth: Poverty Analysis in the Ethiopian Highlands. VI bl., 43p.,** *M.Sc. Thesis- Universitetet for miljø- og biovitenskap (UMB), Ås*
- 2002 **Alem H., Menale, W., and Birru, Y. (2002). Farming system survey in Adi Arkay woreda. "Constraints and Possible Research and Development Interventions,"** *A paper submitted to Adi Arkay Sustainable Development Project, Amhara National Regional State. Adi Arkay*
- 2001 **Alem H., Menale, W. and Birru, Y. (2001). Farming system survey. Agricultural production constraints and possible innervations in Shebel Berenta district,** *Adet Research Center, Ethiopia*
- 1999 **Alem H. (1999). Cost-Benefit Analysis of the Guder Irrigation Project.,** *Sustainable agriculture and Environmental Rehabilitation in Amhara Region, Bahir Dar*

1998 **Alem H. (1998). Socio-Economic Feasibility Study Report on Kwashni Diversion Irrigation Project. Dangla woreda,, Co- SARAR, Ethiopia**

Courses

2020	Economic valuation of environmental goods and services in theory and practice, University of Copenhagen	Copenhagen, Denmark
2013	ADePT Food Security Module, FAO	Rio de Janeiro, Brazil
2001	Research Methods, USAID	Bahir Dar, Ethiopia
1995	Entrepreneurship and business management, Management System International and UN	Bahir Dar, Ethiopia

Lectures and Oral presentations

Jun 2022	Alem, Habtamu (next June 2022). Resource use efficiency and agricultural sustainability: Evidence from Norway, EWEPA XVII 2022	Porto, Portugal
Jun 2021	Alem, Habtamu (2021). A dynamic performance analysis of the Norwegian dairy farms to achieve sustainable development. Virtual Conference of the International Society for Efficiency and Productivity Analysis (ISEAPA)., Miami Herbert Business School, June 7 - 11, 2021	Zoom, USA
Apr 2021	Alem, Habtamu (2021). Applying an integrated approach to the challenge of sustainable food systems: insights from the SYSTEMIC project., 6th JPI HDHL International Conference	Zoom, Netherlands
Sep 2021	Alem, Habtamu (2020). Structuration and activities of the Knowledge Platform lessons from the SYSTEMIC project, Virtual meeting with FOSC funders	Zoom, France
Nov 2019	Alem, Habtamu (2019). Methods of data analysis used in measuring the performance of Agriculture, Eighth International Conference on Agricultural Statics 2019 (ICAS_ VIII)	New Dehli, India
Jan 2019	Alem, Habtamu (2019). The scope for improvement among Norwegian crop farms accounting for farm management and socio-economic factors, The 41st Annual Meeting of the Norwegian Association of Economists	Tromsø, Norway
Jul 2018	Alem, Habtamu. (2018). Source of Total Factor Productivity Change with heterogeneity for grain production in Norway., AAEE Annual Meeting	Washington, D.C, USA
Jun 2018	The scope for improvement among Norwegian farms, American Productivity Workshop X	Miami, USA
Apr 2017	Alem, Habtamu. (2017). Source of Total Factor Productivity Change: an empirical analysis of two-grain producing regions in Norway, Agricultural Economics Society's 91st annual conference	Dublin, Ireland
Jun 2017	The Effects of Stochastic Frontier Model specification on the cost efficiency scores: a case study of the Norwegian crop-producing farms., . XV European Workshop on Efficiency and Productivity Analysis (EWEPA)	London, UK
Sep 2017	Alem, Habtamu (2017). Regional Differences in Technical Efficiency and Technological Gap of Norwegian Dairy Farms: a Stochastic Metafrontier Model, XV EAAE Congress	Parma, Italy
Jun 2016	Alem, Habtamu (2016). The contribution of Productivity and a Price change to farm-level profitability change: a dual approach analysis of multi-output technology, NAPW 2016	Quebec City, Canada

Apr 2016	Alem, Habtamu (2016). Productivity and profitability change of crop-producing family firms in Norway: a cost function approach, <i>AES 90th Annual Conference</i>	University of Warwick, UK
Jun 2016	Alem, Habtamu (2016). Regional efficiency and technological gaps in Norwegian grain farming: a stochastic meta-frontier model, <i>4th International Conference on Entrepreneurship, Innovation, and Regional Development</i>	Tallinn, Estonia
Oct 2016	Source of productivity changes in the Norwegian Grain producing Regions, <i>7th International Conference on Agricultural Statistics (FAO)</i>	Rome, Italy
Jul 2016	Alem, Habtamu (2016). Technical efficiencies and technology gaps in the Norwegian regions: a meta-frontier applied for dairy farms, <i>Asia- Pacific Productivity Conference (APPC 2016)</i>	Nankai University, China
Oct 2013	Alem H (2013). Rural household transitory food insecurity and Coping strategies in Ethiopian Highlands., <i>Sixth International Conference on Agricultural statistics</i>	Rio de Janeiro, Brazil

Teaching Experience

1995 – 1997	At Woreta ATVET College, I was invited to lecture on agricultural extension	South Gondar Zone, Fogera Woreda, Ethiopia
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Skills

Excellent knowledge for economics ● ● ● ● ●
softwares and analysis skill
STATA, SAS, SAZAM, SPSS, and R

Book Project

I am an academic book editor for two books in IntechOpen, London, UK
1. Public Economics: New Perspectives and Uncertainty *2. Sustainable Agricultural Value Chain*

Reviewer

2011 – present **I reviewed over 50 articles that were classified as level 1 and level 2 by the Norwegian Register for Scientific Journals and Publishers.**
 Regularly reviews papers for international academic journals including Journal of Cleaner Production; Journal of Dairy Science; Economic Change and Restructuring; Economic modeling; INQUIRY; HELIYON; Animal Research; Journal of Productivity Analysis; MDPI Applied Science; Agricultural Economics, International Journal of Productivity and Performance Management, Applied Economics, Food Economics, Journal of Productivity Analysis, Environmental and Recourse Economics, Water Recourses and Economics, Economica

Responsibilities of administration

- 2020-2023: Currently coordinating the SYSTEMIC project. <http://systemic-hub.eu/>
- 2022 -2026: Coordinating the InterCropS EU project (under review)
- 2000-2002: The project coordinator for the USAID-supported project at Adet, Bahir Dar, Ethiopia
- 2001-2002: Project leader for the ADIARKAY World Bank-supported project, Ethiopia.
- 2000-2002: Economics department head at Adet Research Institute, Bahir Dar, Ethiopia

Organisations

Ethiopian Scholars in the Nordic Countries (ESNC), *Execuitive Board* Bergen, Norge

Ethiopia Friends Association in Norway (EFAN), Executive board

Ås, Norge

The Ethiopian Orthodox Church in Norway, Executive board

Oslo, Norway

Society of Doctoral Candidates (SoDoC) at NMBU,
I was a secretary and deputy on the 2016 executive board

Ås, Norge

Academia and Scientific Societies Membership

Currently, Member of the Norwegian Association of Economists, the European Association of Agricultural Economists (EAAE), the Agricultural Economists Society (AES), Agricultural & Applied Economics Association (AAEA), and the Agricultural Economics Society of Ethiopia (AESE)

Hobbies

Football, documentaries, hiking, and GYM are among of my favorite pastimes.

References

Gudbrand Lien, *Professor*, Inland School of Business and Social Sciences, Department of Business Administration gudbrand.lien@inn.no, +47 924 88 335

Atle Guttormsen, *Professor*, Handelshøyskolen, NMBU
atle.guttormsen@nmbu.no, +4790853445

Birger Vennesland, *Head of economics Department*, NIBIO
birger.vennesland@nibio.no, +47 482 42 988

Declaration

I sincerely declare that the facts provided in this resume are true and correct to the best of my knowledge.


Habtamu Alem

Habtamu Alem
Ås, 04/05/2022