

Antti Simola | CV

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Education

Department of Economics and Management, University of Helsinki **Helsinki, Finland**
Candidate for PhD, - *2005–present*

I have completed the courses required for the doctoral degree in agricultural economics. I have one publication already published for the thesis (Simola, 2015). The second article (Simola, submitted) is submitted, and the third is still in preparation.

Department of Economics and Management, University of Helsinki **Helsinki, Finland**
Master of Science, Eximia *1997–2005*

I took my Master's degree from University of Helsinki in 2005 with double major in agricultural policy and environmental economics. In my master's thesis I studied the climate change mitigation possibilities in Finnish agriculture with econometric AGMEMOD model. I had minors in farm business management and development studies.

Experience

VATT Institute for Economic Research **Helsinki, Finland**
Researcher *2010–present*

I am currently part of a research group that concentrates on environment, energy and climate policies. Before that I worked in a CGE modeling unit, which merged to the aforementioned research group in an organizational reform. My tasks include research on the various themes and also CGE model development and data work. Detailed achievements:

- Revision and maintenance of the data process for the VATT models
- Co-authored several research publications in VATT publication series

Centre of Policy Studies, Monash University **Melbourne, Australia**
Visiting scholar *2011*

I spent three months as a visiting scholar at CoPS where I was supervised by Dr. Glyn Wittver. During the visit I extended the VERM model with a land use module.

Department of Economics and Management, University of Helsinki **Helsinki, Finland**
Researcher and teacher *2005–2010*

I was employed in late 2005 by the department from which I was about to take my master's degree. Initial assignments included assistance of the senior staff members in teaching. Later on my duties increasingly included research tasks and own teaching.

Detailed achievements:

- Various research and teaching assignments
- During my final year I taught a graduate level course on economic modeling, which included GAMS based hands-on modeling exercises.

MTT Economic Research **Helsinki, Finland**
Research assistant *2005*

I worked for three months in this research institute. The period consisted of work that contributed to my master's thesis. I used econometric AGMEMOD model in order to study greenhouse gas emissions in Finnish agriculture in various policy scenarios.

Permanent Representation of Finland to the European Union **Brussels, Belgium**
Intern 2003

I did my internship at the Finland's Permanent Representation to the EU. My tasks included following various meetings in agricultural and environmental themes and reporting to the Representation officials.

Languages

English: Fluent *I've become fluent in English by choosing English as the first foreign language, which in Finnish school curriculum starts in the third grade. I have lived abroad on several occasions including in the U.S. and Australia. My current job as researcher requires good command of English in order to be able to understand current research literature. I have presented several times in scientific conferences.*

Finnish: Fluent *Mother tongue.*

Swedish: Good *Obligatory second language in Finnish school system. I also worked in Stockholm for two summers in my youth.*

French: Fair *Several courses taken in university, but no practical experience.*

Spanish: Fair *Several courses taken in university, but no practical experience.*

Computer skills

Operating systems: Linux, Windows

Modelling software: GEMPACK (advanced), GAMS/MPSGE (basics), Octave (basics)

Statistical software: R (advanced), Stata (basics)

Other: Python (basics), Emacs Lisp (basics)

Interests

Running, cycling and bicycles, hiking, birding, reading

Publications

Peer reviewed publications.....

Simola, A. (submitted). Government payments, market profits and structural change in agriculture.

Simola, A. (2015). Intensive margin of land use in CGE models—Reviving CRESH functional form. *Land Use Policy*, 48, 467–481.

Assmuth, T., Simola, A., Pitkänen, T., Lyytimäki, J., & Huttula, T. (2015). Integrated frameworks for assessing and managing health risks in the context of managed aquifer recharge with river water. *Integrated environmental assessment and management*.

Conference proceedings and presentations.....

Simola, A. (2007). Greenhouse gas emissions of Finnish agriculture in various policy scenarios. In (Vol. 3, p. 399-400).

Niemi, J., Peltola, J., & Simola, A. (2007). Welfare and trade effects of a food safety measure - a gravity analysis. In (Vol. 3, p. 137-138).

- Simola, A., Honkatukia, J., Airaksinen, M., & Vainio, T. (2015). *Economic impacts of the energy efficiency directive - regional cge approach*. Paper presented in the 18th Annual Conference on Global Economic Analysis, Melbourne, Australia. (GTAP Resource #4749)
- Simola, A. (2014). *Cresh revival - or how to model agriculture in age models more realistically*. Paper presented in the 14th Congress of European Association of Agricultural Economists.
- Simola, A. (2014). *Economics of a productivity enhancing investment - costs and benefits of mitigating water contamination risk*. Paper presented in the 17th Annual Conference on Global Economic Analysis, Dakar, Senegal. (GTAP Resource #4415)
- Simola, A., Honkatukia, J., Kinnunen, J., & Tamminen, S. (2013). *Decentralization and its effects in finland - a regional age modelling analysis*. Paper presented in the 53rd ERSa Congress, Palermo, Italy.
- Simola, A. (2013). *Agricultural land use in age model production functions*. Paper presented in the 16th Annual Conference on Global Economic Analysis, Shanghai, China. (GTAP Resource #4187)
- Ahokas, J., Honkatukia, J., Kinnunen, J., & Simola, A. (2012). *Coping with structural change - the regional effects of decentralisation in finland*. Paper presented in the 15th Annual Conference on Global Economic Analysis, Geneva, Switzerland. (GTAP Resource #3826)
- Simola, A., Perrels, A., & Honkatukia, J. (2011). *Extreme weather events in finland - a dynamic cge analysis of economic effects*. Paper presented in the 14th Annual Conference on Global Economic Analysis, Venice, Italy. (GTAP Resource #3602)
- Simola, A., Perrels, A., & Honkatukia, J. (2011). *Extreme weather events in finland - a dynamic cge analysis of economic effects*. Paper presented in the 14th Annual Conference on Global Economic Analysis, Venice, Italy. (GTAP Resource #3602)
- Simola, A., Kola, J., & Törmä, H. (2008). Bioenergy production in Finland - effects on growth, employment and environment at regional level. In (Vol. 4, p. 44-45).

Other publications.....

- Ahokas, J., Honkatukia, J., & Simola, A. (2014). Kriisin jälkeen - Suomen talouden rakenteellinen kehitys vuosina 2013-2030 (After the crisis - structural change of Finnish economy in 2013-2030, in Finnish). *VATT Research Reports*(176), 145 pp.
- Ahokas, J., Kinnunen, J., Honkatukia, J., Simola, A., & Tamminen, S. (2013). Regionalization and its effects in Finland - a regional AGE modelling analysis. *VATT Working Papers*(45), 29 pp.
- Honkatukia, J., & Simola, A. (2013). Puuraketamisen yhteiskunnalliset vaikutukset (Societal effects of wood construction in Finland, in Finnish). *VATT Mimeo*(29), 27 pp.
- Manninen, K., Antikainen, R., Soimakallio, S., Simola, A., & Thun, R. (2012). Identification and quantification of indirect land and resource use change - challenges caused by expanding liquid biofuel production. *The Finnish Environment*(1), 72 pp.
- Virta, H., Rosqvist, T., Simola, A., Perrels, A., Molarius, R., Luomaranta, A., & Honkatukia, J. (2011). Ilmastonmuutoksen ääri-ilmiöihin liittyvän riskinhallinnan kustannus-hyötyanalyysi osana julkista päätöksentekoa - IRTORISKI-hankkeen loppuraportti. (Cost-benefit analysis of climate change induced extreme events as part of public decision making - final report of IRTORISKI-project, in Finnish). *Finnish Meteorological Institute Reports*(3), 97 pp.
- Honkatukia, J., & Simola, A. (2011). Selvitys Suomen nykyisestä ja tulevasta puunkäytöstä (Report on present and future wood use in Finland, in Finnish). *VATT Research Reports*(164), 30 pp.
- Simola, A., & Kola, J. (Eds.). (2010). *Bioenergian tuotannon aluetaloudelliset vaikutukset Suomessa - BioReg-hankkeen loppuraportti*. (Regional economic effects of bioenergy production in Finland

- *the final report of BioReg project, in Finnish*) (No. 49). Department of economics and management, University of Helsinki.

Simola, A. (2008). Kauppavaikutusten analyttinen ja käytännön tarkastelu (Analytic and practical examination of trade barrier effect of Finnish Salmonella Control Programme, in Finnish). In S. Forsman-Hugg & H. Turunen (Eds.), *Näkökulmia suomalaisen siipikarjanlihan tuotannon kilpailukykyyn, kulutukseen ja kauppaan* (p. 67-74).

Simola, A. (2006). Maatalouspolitiikan mahdollisuudet kasvihuonekaasupäästöjen vähentämisessä (Agricultural policy potential for climate change mitigation, in Finnish). *Department of Economics and Management Working Papers*(41), 9-16.