

### **Address**

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### **Education and Degrees Awarded**

University of California at Berkeley, Ph.D. Agricultural and Resource Economics, 1994  
University of Helsinki, M.Sc. Economics, 1989

Aalto University School of Business (former Helsingin Kauppakorkeakoulu), Title of Docent (adjunct professor), Environmental and Resource Economics, February 25, 2000

#### *Media and Cultural Studies*

University of Helsinki, B.A. Art History, 2020  
Nordiska Folkhögskolan, Kungälv, Nordic Media & Journalism, 1982-1983

#### *Leadership Training*

HAUS Finnish Institute of Public Management Ltd, Leadership Program for the Finnish Government Directors, 2019  
MiL Institute, Stockholm, Training Program for Heads of Division, 1998-1999

### **Current Positions**

*Adviser*, Finnish Economic Policy Council, 2022/2-  
*Chief Researcher, Associate Research Professor*, VATT Institute for Economic Research, 2020/11- (on leave of absence 2022/2-)

### **Previous Positions**

*Director General*, VATT Institute for Economic Research, 2015/05 – 2020/10  
*Research Director*, VATT Institute for Economic Research, 2011/05- 2015/04  
*Professor of Environmental Economics*, MTT Agrifood Research Finland, 2002/05-2011/04  
*Head of Division*, Konjunkturinstitutet/Swedish National Institute of Economic Research, 1998/08 - 2002/04  
*Junior Fellow*, Academy of Finland/ Finnish Forest Research Institute, 1996/08-1998/07  
*Acting Professor of Economics*, University of Lapland, 1995/08-1996/07  
*Graduate Student Researcher*, UC Berkeley, 1994

*Graduate Student*, UC Berkeley, 1991-1993

*Graduate Student*, Finnish Postgraduate Program in Economics, 1990

*Research Associate*, Tiedekauppa r.y./Ministry of the Environment, 1988-1989

*Research Assistant*, Pellervo Economic Research Institute, 1986-1988 (part-time)

*Secretary and Treasurer*, Finnish Society of Economic Research, 1987 (part-time)

### **Visits**

*Visiting Scholar*, UC Berkeley, Department of Agricultural and Resource Economics and Policy, 2014/09-10

*Visiting Scholar*, McGill University, Department of Economics, 2009/01-02

*Visiting Scholar*, UC Berkeley, Department of Agricultural and Resource Economics and Policy, 2007/10-12

*Visiting Researcher*, United Nations University, World Institute for Development Economics Research (UNU-WIDER), 2007/01-05

*Visiting Researcher*, Tilburg University, Department of Economics, 2006/09-12

*Visiting Researcher*, Umeå University, Department of Economics, 1997/09-1998/02

### **Major Research Funding from External Sources**

Academy of Finland: “Environmental threats in energy production: Implications of perceived risks and time preferences for social welfare”, 2011-2015

Advisory Board for Sectoral Research: “Protection of the Baltic Sea: Benefits, costs and policy measures, PROBAPS”, 2009-2012 (with University of Helsinki and Finnish Environment Institute/SYKE and with additional co-funding and partners from all nine Baltic Sea countries)

Academy of Finland: “Policy options in saving biodiversity and eradicating poverty: aid or fair trade?”, 2006-2007

European Union, STREP: “Integrated tools to design and implement agro-environmental schemes”, 2004-2006

### **Board Service, Committees, Councils, Evaluation Panels**

Swedish National Institute of Economic Research (Konjunkturinstitutet), Scientific Advisory Board, Member 2020 -

Academy of Finland, Finnish Research Infrastructures Committee, Member 2019 -

Helsinki Graduate School of Economics, Board, Member 2018 -

Luleå University of Technology, Graduate Student Advisory Board, Member 2021-

University of Oulu, University Board of Directors, Member 2018 - 2021

National Audit Office of Finland, Advisory Board, Member 2015/08-2020/10

Swedish Research Council for Health, Working Life and Welfare (Forte), Member of Scientific Review Panel 2021/05-09

Swedish Environment Protection Agency (Naturvårdsverket): Chair of Scientific Review Panels, 2022/02-03 and 2016/07-10; Scientific Review Panel, Member 2020/09-11; Council of

Environmental Research, Member 2016/03-2017/12;  
Finnish National Social Impact Investment Steering Group/SITRA, Member 2015/10-2019/12  
Finnish Ministry of Economic Affairs and Employment, Committee for Evaluation of Business Subsidies, Member 2017/10-2018/04  
Maj and Tor Nessling Foundation, Member of Scientific Review Panel 2015/01-2017/12  
European Academies Science Advisory Council (EASAC) Working Group on the Circular Economy, 2015/03 – 2016/12  
Linnaeus University, Expert Group for Strategic Research in Environmental Sciences, Member 2012/12- 2013/03  
Swedish Research Council for Environment, Agr. Sciences and Spatial Planning /FORMAS: Marine Pollution Panel, Member 2012/12-2013/02, Climate Change Panel, Member 2012/06-10, Expert Panel for Economy, Society and Regional Development, Member 2005/05- 2008/11  
Swedish Ministry of Finance Expert Group for Environmental Studies, Member 2010/05-2012/04

### **Reviews and Service in Academia**

University of Helsinki, Opponent, PhD defense, 2020/04  
University of Oulu, Opponent, PhD defense, 2019/03  
Luleå University of Technology, Member, grade committee, PhD examination, 2021/05; Member, grade committee, PhD examination, 2018/03  
Aalto University, Opponent, PhD defense, 2016/11  
University of Gothenburg, Reviewer, Docent, 2014/11-2015/02  
Umeå University, Reviewer, Assistant Professor, 2014/09-12  
University of Copenhagen, Reviewer, Professor, 2013/01-04  
European Association of Environmental and Resource Economists (EAERE) Country Representative for Finland, 2012-2015  
EAERE Scientific Program Committee for Annual Conferences 2008, 2009, 2011, 2012, 2015, 2016, 2017, 2019, 2020, 2021  
World Congress of Environmental and Resource Economists (WCERE) Scientific Program Committee 2010, 2014, 2018

### **Professional Honors**

Jaakko Honko Medal, 2019/06  
The Finnish Society of Sciences and Letters (Societas Scientiarum Fennica), Elected Member 2015/12

### **Professional Service for Scientific Journals:**

Member of the editorial board, *European Review of Agricultural Economics*, 2015-2017  
Editorial secretary, *Finnish Economic Papers*, 1987/02-08  
Referee for *Ambio*, *Ecological Economics*, *Energy Policy*, *Environmental and Resource Economics*, *Environmental Science and Policy*, *Environment and Development Economics*, *European Journal of Operational Research*, *European Review of Agricultural Economics*, *Journal of Agricultural Economics*, *Journal of Economics*, *Journal of Economic Dynamics and*

*Control, Journal of Environmental Economics and Management, Journal of Environmental Management, Journal of Environmental Planning and Management, Journal of Forest Economics, Journal of Public Economics, Resource and Energy Economics; Resources, Conservation and Recycling*

## **Selected Publications**

### **Articles in Refereed Scientific Journals**

Huhtala, A. and Remes, P. (2017) Quantifying the social costs of nuclear energy: Perceived risk of accident at nuclear power plants, *Energy Policy* 105: 320-331.

Artell, J. and Huhtala, A. (2017) What are the benefits of the Water Framework Directive? Lessons learnt from preference revelation for policy design, *Environmental and Resource Economics* 68: 847-873.

Hyytiäinen, K., Ahlvik, L., Ahtiainen, H., Artell, J., Huhtala, A. and Dahlbo, K. (2015) Policy goals for improved water quality in the Baltic Sea: When do the benefits outweigh the costs? *Environmental and Resource Economics* 61(2): 217-241

Ahtiainen, H., Artell, J., Czajkowski, M., Hasler, B., Hasselström, L., Huhtala, A., Meyerhoff, J., Smart, J.C.R., Söderqvist, T., Alemu, M., Angeli, D., Dahlbo, K., Fleming-Lehtinen, V., Hyytiäinen, K., Karlöseva, A., Khaleeva, Y., Maar, M., Martinsen, L., Nömmann, T., Pakalniete, K., Oskolokaite, I. and Semeniene, D. (2014) Benefits of meeting nutrient reduction targets for the Baltic Sea – results from a contingent valuation study in the nine coastal states, *Journal of Environmental Economics and Policy* 3: 278-305.

Hyytiäinen, K., and Huhtala, A. (2014) Combating eutrophication in coastal areas at risk for oil spills, *Annals of Operations Research* 219: 101-121.

Sipiläinen, T. and Huhtala, A. (2013) Opportunity costs of providing crop diversity in organic and conventional farming: Would targeted environmental policies make economic sense? *European Review of Agricultural Economics* 40: 441-462.

Huhtala, A. and Lankia, T. (2012) Valuation of trips to second homes: do environmental attributes matter? *Journal of Environmental Management and Planning* 55: 733-752.

Huhtala, A. (2010) Income effects and the inconvenience of private provision of public goods for bads: the case of recycling in Finland, *Ecological Economics* 69: 1675-1681.

Vesterinen, J., Pouta, E., Huhtala, A. and Neuvonen, M. (2010) Impacts of changes in water quality on recreation behavior and benefits in Finland, *J. of Environm. Management* 91: 984-994.

Laukkanen, M., Ekholm, P., Huhtala, A., Pitkänen, H., Kiirikki, M., Rantanen, P. and Inkala, A. (2009) Integrating ecological and economic modelling of eutrophication: Towards optimal solutions for a coastal area suffering from sediment release of phosphorus, *Ambio* 34: 225-235.

Huhtala, A. and Pouta, E. (2009) Benefit incidence of public recreation services – Have the winners taken almost all? *Environmental and Resource Economics* 43: 63-79.

Hyytiäinen, K., Ahtiainen, H., Heikkilä, J., Helin, J., Huhtala, A., Iho, A., Koikkalainen, K., Miettinen, A., Pouta, E. and Vesterinen, J. (2009) Integrated simulation model to evaluate national policies for agricultural nutrient abatement in the Baltic Sea, *Agricultural and Food Science* 18, 3-4: 440-459.

- Kitti, M., Heikkilä, J. and Huhtala, A. (2009) 'Fair' policies for the coffee trade – protecting people or biodiversity? *Environment and Development Economics* 14: 739-758.
- Eerola, E. and Huhtala, A. (2008) Voting for environmental policy under preference and income heterogeneity *American Journal of Agricultural Economics* 90: 256-266.
- Laukkanen, M. and Huhtala, A. (2008) Optimal management of a eutrophied coastal ecosystem: balancing agricultural and municipal abatement measures *Environmental and Resource Economics* 39: 139-159.
- Huhtala, A. and Pouta, E. (2008) User fees, equity and the benefits of public outdoor recreation services, *Journal of Forest Economics* 14: 117-132.
- Huhtala, A. and Marklund, P.O. (2008) Stringency of environmental targets in animal agriculture: shedding light on policy with shadow prices, *European Review of Agricultural Economics* 35: 193-217.
- Huhtala, A. and Samakovlis, E. (2007) Flows of air pollution, ill health and welfare, *Environmental and Resource Economics* 37: 445-463.
- Samakovlis, E., Huhtala, A., Bellander, T. and Svartengren, M. (2005) Valuing health effects of air pollution – Focus on concentration-response functions, *Journal of Urban Economics* 58: 230-249.
- Huhtala, A. (2004) What price recreation in Finland? - A contingent valuation study on non-market benefits of public outdoor recreation areas, *Journal of Leisure Research* 36: 23-44.
- Huhtala, A., Toppinen, A., and Boman, M. (2004) When the theory is not enough – valuation of forest resources with “efficiency” prices in practice, *Journal of Forest Economics* 9: 205-222.
- Huhtala, A., and Samakovlis, E. (2002) Does international harmonization of environmental policy Instruments make economic sense? *Environmental and Resource Economics* 21: 259-284.
- Huhtala, A. (2000) Binary choice valuation studies with heterogeneous preferences regarding the program being valued, *Environmental and Resource Economics*, 16: 263-279.
- Huhtala, A. (1999) Optimizing production technology choices: Conventional production vs. recycling, *Resource and Energy Economics* 21: 1-18.
- Huhtala, A. (1999) How much do money, pollution, and inconvenience matter? Analysing households' demand for large-scale recycling and incineration, *Journal of Environmental Management* 55: 27-38.
- Huhtala, A. (1997) A post-consumer waste management model for determining optimal levels of recycling and landfilling", *Environmental and Resource Economics* 10: 301-314.

#### **Articles in international edited volumes**

- Agapitidis, I. - Cusack, G.A. – Huhtala, A. – van Loosdrecht, M. – Lox, I. E. - Mininni, G. - Norton, M. – Purica, I. – Ragnarsdottir, K. V. – Reller, A. – Rivza, B. – Santos, F. – Sheldon, R. – Stephan, G. – Sterner, T. – Tol, R. – Öberg, S.: Indicators for a circular economy, European Academies Science Advisory Council, EASAC policy report 30, German National Academy of Sciences, Leopoldina, November 2016
- Huhtala, A. (editor with 26 co-authors) (2009) The economics of the state of the Baltic Sea. Pre-study assessing the feasibility of a cost-benefit analysis of protecting the Baltic Sea ecosystem, The publications of Advisory Board for Sectoral Research and Subcommittees 2:2009.

Heikkilä, J., Huhtala, A. and M. Kitti (2008) Agrobiodiversity in poor countries - price premiums deemed to miss multifaceted targets? in A. Kontoleon, U. Pascual and M. Smale (eds.): *Agrobiodiversity, Conservation and Economic Development*, Routledge Explorations in Environmental Economics, Taylor&Francis Group.

Huhtala, A. and Laukkanen, M. (2007) Ecological-economic modelling of optimal abatement measures in H. Pitkänen and P. Tallberg (eds): *Searching efficient protection strategies for the eutrophied Gulf of Finland: the integrated use of experimental and modelling tools (SEGUE)*, Final Report, Finnish Environment 15/2007.

Huhtala, A. (2005) Incorporating economics into P risk assessment in *Tools for assessing phosphorus loss from Nordic agriculture*, *TemaNord* 2005:583: 87-92.

Huhtala, A. and Pouta, E. (2004) Welfare incidence of subsidized recreation services in Finland. In H. Pajuoja and H. Karppinen (eds.). *Scandinavian Forest Economics* No. 40,. 135-144.

Huhtala, A. (1998) Finland: Forestry, Energy Policy and Restructuring in H. Aage (ed.) *Environmental Transition in the Nordic and Baltic Countries*, Edward Elgar Publishing, Cheltenham.

Huhtala, A. (1995) Analyzing Demand for Alternative Waste Disposal Services: Large-Scale Recycling and Incineration Compared in A. Lunnan (ed.) *Resirkulering og energimessig utnyttelse av avfall*, Energiforskningen, Oslo.

### **Scientific monographs**

Huhtala, A. (1994) "Is Environmental Guilt a Driving Force? An Economic Study on Recycling", Ph.D. thesis, Department of Agricultural and Resource Economics, University of California, Berkeley, December.

### **International Conferences (past five years)**

“Switch from fossil fuels to renewables requires battery metals – how should government intervention be designed?”, International Association for Energy Economics, annual conference, Paris (online), June 2021

“Resource and environmental policies for mining industry with social and environmental risks” 25th Annual Conference of the European Association of Environmental and Resource Economists (EAERE), Berlin\_online, June 2020

“Metal extraction with environmental effects – economic rationale for regulation and resource policy” 41<sup>st</sup> Meeting of the Finnish Economic Association, Oulu, February 2019

“Impact of price and technology uncertainty on metal extraction with environmental effects” NAERE workshop, Bergen, April 2018.

“Nuclear power and risk perceptions”, 23<sup>rd</sup> EAERE Annual Conference, Athens, Greece, June 2017.

“Impact of price uncertainty on nickel extraction with environmental effects – when to close a mine?” 39th Meeting of the Finnish Economic Association, Jyväskylä, February 2017.