

**Director General Anni Huhtala**

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Director General, Dr Anni Huhtala has a PhD degree from University of California, Berkeley, and she is adjunct professor (docent) in environmental and resource economics at Aalto University. Her research agenda has evolved from elicitation of citizen preferences to investigation of impacts of risks, uncertainty, and intertemporal time-frames on individual and societal decision-making in environmental, energy and climate policy; applications cover valuation of public goods, examination of policy instruments (taxes, subsidies, standards, mandates etc) and distribution of income including dynamic optimization, cost-benefit and welfare analyses. She has extensive experience in international research co-operation, management and evaluation of economic and interdisciplinary research.

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**Education**University of California at Berkeley, USA 1994 **Ph.D.** Agricultural and Resource EconomicsUniversity of Helsinki, Finland 1989 **M.Sc.** Economics**Current positions***Director General*, VATT Institute for Economic Research (2015/09 – fixed term)*Docent (adjunct professor) in Environmental and Resource Economics*, Aalto University (2000 –)**Previous positions***Research Director*, VATT Institute for Economic Research (2011/05- 2015/08)*Professor of Environmental Economics*, MTT Agrifood Research Finland (2002/05-2011/04)*Head of Division*, Konjunkturinstitutet/Nat. Inst. of Econ. Research, Sweden (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*, UC Berkeley (1991-1994)*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, September-October 2014

*Visiting Scholar*, McGill University, Department of Economics, January-February 2009

*Visiting Scholar*, UC Berkeley, Department of Agricultural and Resource Economics and Policy, October-December 2007

*Visiting Researcher*, United Nations University, World Institute for Development Economics Research (UNU-WIDER), January-May 2007

*Visiting Researcher*, Tilburg University, Department of Economics, September-December 2006

*Visiting Researcher*, Umeå University, Department of Economics, September 1997-February 1998

## Major research funding from external sources (past 5 years)

Academy of Finland: “Environmental threats in energy production: Implications of perceived risks and time preferences for social welfare” (2011-2017), Research Grant of 350,000 EUR

## Committees, councils, and review panels for applications of funding (past 5 years)

University of Oulu, University Board of Directors:

Member (2018-2021)

Finnish National Social Impact Investment Steering Group/SITRA:

Member (2015/10-)

Swedish Environment Protection Agency/Naturvårdsverket:

Member of council of environmental research (2016/03-2017/12)

Chair of scientific review panel (2016/07-10)

Maj and Tor Nessling Foundation:

Member of scientific review panel (2015/01-2017/12)

Finnish Ministry of Economic Affairs and Employment:

External Expert, Member of committee for evaluation of business subsidies (2017/10-2018/04)

## Reviewer, opponent (past 5 years)

Luleå University of Technology: 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)

## Professional service for scientific journals (past 5 years)

Member of the editorial board, *European Review of Agricultural Economics* (2015-2017)

Referee for *Ecological Economics*, *Environmental and Resource Economics*, *Energy Economics*, *Energy Journal*, *Energy Policy*, *Resource and Energy Economics*

## Other positions of trust in academia

The Finnish Society of Sciences and Letters (Societas Scientiarum Fennica): Member (by invitation), 2016 -

European Academies Science Advisory Council (EASAC): Member of the EASAC Working Group on the Circular Economy March 2015 – December 2016.

European Association of Environmental and Resource Economists (EAERE): Country Representative for Finland, 2012-2015

EAERE: Member of Scientific Program Committee, annual conferences 2008, 2009, 2011, 2012, 2015, 2016, 2017, 2019

World Congress of Environmental and Resource Economists (WCERE): Member of Scientific Program Committee 2010, 2014, 2018

### Selected publications

#### Articles in refereed international scientific journals

1. 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.
2. 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.
3. 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
4. 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.
5. Hyytiäinen, K., and Huhtala, A. (2014) Combating eutrophication in coastal areas at risk for oil spills, *Annals of Operations Research* 219: 101-121.
6. 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.
7. 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.
8. 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.
9. Vesterinen, J., Pouta, E., Huhtala, A. and Neuvonen, M. (2010) Impacts of changes in water quality on recreation behavior and benefits in Finland, *Journal of Environmental Management* 91: 984-994.
10. 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.
11. 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.

12. 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.
13. 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.
14. Eerola, E. and Huhtala, A. (2008) Voting for environmental policy under preference and income heterogeneity *American Journal of Agricultural Economics* 90: 256-266.
15. 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.
16. Huhtala, A. and Pouta, E. (2008) User fees, equity and the benefits of public outdoor recreation services, *Journal of Forest Economics* 14: 117-132.
17. 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.
18. Huhtala, A. and Samakovlis, E. (2007) Flows of air pollution, ill health and welfare, *Environmental and Resource Economics* 37: 445-463.
19. 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.
20. 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.
21. 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.
22. Huhtala, A., and Samakovlis, E. (2002) Does international harmonization of environmental policy Instruments make economic sense? *Environmental and Resource Economics* 21: 259-284.
23. Huhtala, A. (2000) Binary choice valuation studies with heterogeneous preferences regarding the program being valued, *Environmental and Resource Economics*, 16: 263-279.
24. Huhtala, A. (1999) Optimizing production technology choices: Conventional production vs. recycling, *Resource and Energy Economics* 21: 1-18.
25. 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.
26. Huhtala, A. (1997) A post-consumer waste management model for determining optimal levels of recycling and landfilling", *Environmental and Resource Economics* 10: 301-314.