

MARITA LAUKKANEN
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CURRENT POSITIONS

Research Leader, Environmental, energy and climate policy, VATT Institute for Economic Research.
March 2016 – December 2020. I direct VATT's research on environmental, energy and climate policy topics and lead a team of six researchers.

Affiliate Researcher, The Euro-Mediterranean Center on Climate Change (CMCC), April 2018 – present.
Adjunct Professor, Economics, University of Helsinki. March 2012 – present.

EDUCATION

Ph.D. University of California, Berkeley, Agricultural and Resource Economics. May 2001.
Master of Social Sciences. University of Helsinki, Economics. December 1995.

PREVIOUS POSITIONS

Chief Researcher, VATT Institute for Economic Research. September 2011 – February 2016.
Senior Researcher, VATT Institute for Economic Research. March 2010 – August 2011.
Senior Researcher, Agrifood Research Finland. September 2003 – March 2011.
Visiting Scholar (postdoc), Massachusetts Institute of Technology. January 2009 – June 2009.
Research Professor and Team Leader, Agrifood Research Finland. August 2006 – December 2007 (fixed term position covering a leave of absence).
Postdoctoral Researcher, Fondazione Eni Enrico Mattei, Venice, Italy. September 2002 – August 2003.
S.V. Ciriacy-Wantrup Postdoctoral Fellow, Agricultural and Resource Economics, University of California, Berkeley. July 2001 – June 2002.
Career breaks: Maternity leaves March 2008 – December 2008 and May 2010 – March 2011.

AREAS OF EXPERTISE

Energy and climate policy, industrial policy, technology adoption, global competitiveness, international climate cooperation, impact assessment, data analysis.

PROFESSIONAL SERVICE

Member of the Finnish Climate Panel (2016-)
Member of the Finnish Biodiversity Panel (2015-2018)
Council member, European Association of Environmental and Resource Economists (2020-)
Country representative, European Association of Environmental and Resource Economists (2016-)
Board member, Future Earth Suomi National Committee for Global Change Research (2014-2017)
President, the Finnish Economic Association (2013, one-year rotating presidency).
Board member, the Finnish Economic Association (2011-2013)

RECENT AND ONGOING RESEARCH PROJECTS (PAST FIVE YEARS)

Carbon pricing, energy efficiency and global competitiveness, 2019 – present, VATT funded.
International environmental cooperation over time, 2017 – present, VATT funded.
Firm subsidies and global competitiveness, 2018-2019, funded by the Prime minister's office (VN-TEAS), Finland (250 000 euros). Leader of VATT work on the project, principal investigator Mika Maliranta.
Distributional effects of fuel taxation, 2017-2018, funded by Prime minister's office (VN-TEAS), Finland (150 000 euros). Principal investigator.
Cloud computing as an enabler of large-scale variable distributed energy solutions (BCDC), 2015-2021, funded by the Academy of Finland/Strategic research council. (Laukkanen's funding is 300 000 euros for work in the work package "Market mechanisms for efficient integration of variable distributed production to the energy system", led by Maria Kopsakangas-Savolainen).
Evaluating the effects of the 2011 energy tax reform, 2015-2016, funded by the Prime minister's office (VN-TEAS), Finland (100 000 euros). Principal investigator.

RESEARCH VISITS ABROAD (since returning to Finland in 2003)

Toulouse School of Economics. June and October (scheduled) 2019, September 2015, June 2012, November 2009, May 2007, March – May 2005, September 2004.
University of Queensland. July – August 2013.
Massachusetts Institute of Technology. January – June 2009.
University of California at Berkeley. June – July 2011, June – July 2009, February – March 2004.
Athens University of Business and Economics. March 2006.
University College London. January 2004.
Fondazione Eni Enrico Mattei, Venice, Italy. May 2004.
European Association of Environmental and Resource Economists Summer School on Dynamic Models in Economics and the Environment, Venice, Italy. 2004.

SCIENCE POPULARIZATION AND EXPERT ASSIGNMENTS IN THE MEDIA

Media commentary on energy and climate policy, for example for Yle and Helsingin Sanomat, both recorded and live interviews (including Yle A-studio in February 2018 and April 2017).
Op-eds on climate policy and on industrial policy in Helsingin Sanomat and in Kaleva.
Blogs on VATT's blog platform

PUBLICATIONS

A. REFEREED JOURNAL ARTICLES

- Pintassilgo, P., Laukkanen, M., Grønbæk, L., and Lindroos, M. (2018). International Fisheries Agreements and Non-consumptive Values. *Fisheries Research*, 203: 46-54.
- Iho, A., Ahtiainen, H., Artell, J., Heikinheimo, O., Kauppila, P., Kosenius, A-K., Laukkanen, M., Lindroos, M., Oinonen, S., Ollikka, K., Parkkila, K., Pavlova, Y., Peltonen, H., Pouta, E., Uusitalo, L. (2016). The Role of Fisheries in Optimal Eutrophication Management. *Water Economics and Policy*, 3(2).
- Oinonen, S., Grønbæk, L., Laukkanen, M., Levontin, P., Lindroos, M., Nieminen, E., Parkkila, K., Pintassilgo, P., Pulkkinen, H. and Romakkaniemi, A. (2016). International Fisheries Management and Recreational Benefits: The Case of Baltic Salmon. *Marine Resource Economics*, 31(4): 433-451
- Laukkanen, M. and Nauges, C. (2014). Evaluating Greening Farm Policies: A Structural Model for Assessing Agri-Environmental Subsidies, *Land Economics*, 90(3).
- Iho, A. and Laukkanen, M. (2012). Gypsum Amendment as a Means to Reduce Agricultural Phosphorus Loading: An Economic Appraisal. *Agricultural and Food Science*, 21.
- Iho, A. and Laukkanen, M. (2012). Precision Phosphorus Management and Agricultural Phosphorus Loading. *Ecological Economics*, 77.
- Laukkanen, M. and Nauges, C. (2011), Environmental and Production Cost Impacts of No-till in Finland: Estimates from Observed Behavior. *Land Economics*, 87(3).
- Kuosmanen, T. and Laukkanen, M. (2011), (In)Efficient Environmental Policy with Interacting Pollutants. *Environmental and Resource Economics*, 48.
- Laukkanen, M., Ekholm, P., Huhtala, A., Pitkänen, H., Kiirikki, M., Rantanen, P., Inkala, A. (2009), Integrating Ecological and Economic Modeling of Eutrophication: Towards Optimal Solutions for a Coastal Area Suffering from Sediment Release of Phosphorus. *Ambio*, 38(4).
- Koundouri, P., Laukkanen, M., Myyrä, S. and Nauges, C. (2009), The Effects of EU Agricultural Policy Changes on Farmers' Risk Attitudes. *European Review of Agricultural Economics*, 36(1).
- Laukkanen, M. and Huhtala, A. (2008), Optimal Management of a Eutrophied Coastal Ecosystem: Balancing Agricultural and Municipal Abatement Measures. *Environmental and Resource Economics*, 39.
- Kulmala, S., Laukkanen, M. and Michielsens, C. (2008), Reconciling Economic and Biological Modeling of Migratory Fish Stocks: Optimal Management of the Atlantic Salmon Fishery in the Baltic Sea. *Ecological Economics*, 64.
- Helin, J., Laukkanen, M. and Koikkalainen, K. (2006), Abatement Costs for Agricultural Nitrogen and Phosphorus Loads: A Case Study of Crop Farming in South-Western Finland. *Agricultural and Food Science*, 15(4).
- Laukkanen, M. (2005), Cooperation in a Stochastic Transboundary Fishery: The Effects of Implementation Uncertainty versus Recruitment Uncertainty. *Environmental and Resource Economics*, 32.
- Laukkanen, M. (2003), Cooperative and Non-cooperative Harvesting in a Stochastic Sequential Fishery. *Journal of Environmental Economics and Management*, 45(2).
- Laukkanen, M. (2001), A Bioeconomic Analysis of the Northern Baltic Salmon Fishery: Coexistence versus Exclusion of Competing Sequential Fisheries. *Environmental and Resource Economics*, 18(3).

B. REPORTS AND MONOGRAPHS

Laukkanen, M. and Maliranta, M. (2019), Business subsidies and competitiveness. Publications of the Government's analysis, assessment and research activities 33/2019. 96 pages. (in Finnish).

Harju, J., Kosonen, T., Laukkanen, M., Palenne, K. and Sallee, J. (2018), Studying fuel and car tax policies using microdata: evidence from Finland, Sweden and Norway. Publications of the Government's analysis, assessment and research activities 70/2018. 63 pages. (in Finnish).

Harju, J., Hokkanen, T., Laukkanen, M., Ollikka, K., Tamminen, S. (2016), Evaluating the 2011 energy tax reform. Publications of the Government's analysis, assessment and research activities 61/2016. 108 pages. (in Finnish).

Ikävalko, J., Järvenpää, El., Kaipainen, H., Korhonen, K.T., Kumela, H., Kärkkäinen, L., Lankoski, J., Laukkanen, M., Mannerkoski, I., Nuutinen, T., Nöjd, A., Punntila, P., Salminen, O., Söderman, G., Törmä, M. and Virkkala, R. (2007). Evaluation of the Finnish National Biodiversity Action Plan 1997-2005. Monographs of the Boreal Environment Research No. 29, pp. 54.

Laukkanen, M. (2001), Economic Insight into Fish Wars: Cooperation and Conflicts in the Management of Shared Fishery Resources. Doctoral dissertation, University of California at Berkeley.

C. POLICY BRIEFS

Laukkanen, M. and Sahari, A. (2018). Instruments to Support Electric Vehicle Adoption. Finnish Climate Panel Policy Brief (in Finnish).

Tamminen, S., Ollikka, K. and Laukkanen, M. (2016), Finland's Energy Taxation Gives Preferential Treatment to Large Energy Intensive Firms. VATT Policy Brief 2/2016. (in Finnish).

D. BOOK CHAPTERS

Laukkanen, M. (2011), The problem of the commons in environmental and resource economics, in "The Tragedy of the Commons" (eds. Kyllönen, S., Lemetti, J., Nojonen, N., Oksanen, M.), Society for European Philosophy. (In Finnish)

Laukkanen, M. and P. Koundouri (2006), Competition versus Cooperation in Groundwater Extraction: A Stochastic Framework with Heterogeneous Agents, in "Strategic Water Management in Arid and Semi-Arid Regions: Interdisciplinary Perspectives" (ed. Koundouri, P., Karousakis, K. Assimacopoulos, D. Jeffrey, P., Lange, M.A.), Edward-Elgar Publishing.

Laukkanen, M. (2005), Estimation of Resource Management Objectives through Empirical Likelihood: How Far Is Regulators' Dynamic Behavior from the Economists' Ideal? in "Econometrics Informing Natural Resource Management: Selected Case Studies" (ed. P. Koundouri), Edward-Elgar Publishing.

Koundouri, P. and M. Laukkanen (2005). The Effects of Output Quotas on Production Risk in the North Sea Beam Trawl Fishery, in "Econometrics Informing Natural Resource Management: Selected Case Studies" (ed. P. Koundouri), Edward-Elgar Publishing.