

## Curriculum vitae, Marita Laukkanen

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### Education and degrees completed

Title of Docent, Economics, University of Helsinki, March 2012.  
PhD, Environmental and Resource Economics, University of California, Berkeley, May 2001.  
Master of Social Sciences, Economics, University of Helsinki, December 1995.

### Current positions

Research Leader, Energy, Climate and Environment, VATT Institute for Economic Research. March 2016 – December 2025. I direct VATT's research on energy, climate and environmental policy topics and lead a team of researchers.  
Chief Researcher, VATT Institute for Economic Research. September 2011 – present (tenured).

### Previous work experience

Senior Researcher, VATT Institute for Economic Research. March 2010 – August 2011.  
Senior Researcher, Agrifood Research Finland (now part of Natural Resources Institute Finland). September 2003 – March 2011.  
Visiting Scholar (postdoc), Economics, 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.

### Research funding and grants (past five years)

Strategic Research Council grant, years 2020-2026, for studying the legitimacy of Finland's transition to a carbon-neutral welfare state (2035 Legitimacy consortium). Laukkanen leads VATT's subproject, which analyzes the distributional and employment effects of Finland's climate policies. Subproject funding 680 000 euros.  
Prime minister's office (VN-TEAS) grant, years 2018-2019, for studying firm subsidies and global competitiveness. Laukkanen was co-applicant and led VATT's work on the project. Project funding 250 000 euros.  
Prime minister's office (VN-TEAS) grant, years 2017-2018, for studying the distributional effects of fuel taxation. Laukkanen was project leader. Project funding 150 000 euros.  
Strategic Research Council grant, years 2015-2020, for studying cloud computing as an enabler of variable distributed energy solutions (BCDC consortium). Laukkanen led VATT's subproject, which analyzed market mechanisms for efficient integration of variable distributed production to the energy system. Subproject funding 150 000 euros.

## **Research supervision and leadership experience**

I have directed VATT's research on energy, climate and environmental policy topics and led a team of researchers since March 2016.

I have supervised four postdoctoral researchers at VATT Institute for Economic Research.

I have led projects funded by the prime minister's office and subprojects in consortia funded by the Academy of Finland or Finland's Strategic Research Council.

I have served as the president of the Finnish Economic Association (2013, one-year rotating presidency).

## **Teaching experience**

Intermediate microeconomics, University of Helsinki, in 2014, 2015, 2016 and 2017.

Dynamic optimization in resource economics, University of Helsinki, Spring semester 2010.

## **Other academic activities**

Co-Editor, *Resource and Energy Economics*, 2021 – present.

Council member, European Association of Environmental and Resource Economists, 2020 – present.

Program committee co-chair, Annual Conference of the European Association of Environmental and Resource Economists, 2022.

Co-organizer of the first Nordic Annual Environmental and Resource Economics Workshop, April 21 – 22, 2017 (with Marko Lindroos, University of Helsinki).

Pre-examiner of doctoral dissertations, University of Helsinki, Finland, 2017 and 2019, 3 dissertations.

Member of dissertation committee, Umeå University, Sweden, 2021.

Member of dissertation committee, University Ca' Foscari, Italy, 2018.

Member of an international evaluation panel for grant applications, Formas, Sweden, 2018, 2019, 2020, 2021.

Referee for *Environmental and Resource Economics*, *Energy Policy*, *Journal of Environmental Economics and Management*, *Scandinavian Journal of Economics*, *American Journal of Agricultural Economics*, *European Review of Agricultural Economics*, *Strategic Behavior and the Environment*, *Land Use Policy*, *Environmental and Development Economics*, *Economics Bulletin*.

Invited speaker or panelist: Environmental economics seminar, Paris School of Economics, 2022; EconPol Annual Conference 2021; Florence School of Regulation Climate Annual Workshop 2020; Workshop on climate change and inequality, Copenhagen Business School, 2019; State Aid Evaluation Workshop 2019, Directorate General Competition, European Commission.

## **Scientific and societal impact**

Member of the Finnish Climate Change Panel (a panel of Finnish scholars that provides scientific advice for policymaking, with a standing prescribed in Finland's Climate Change Act), 2016–2019.

Member of steering group for reporting tax subsidies, appointed by the Ministry of Finance, 2018 –

Board member, Future Earth Suomi National Committee for Global Change Research, 2014–2017.

Media commentary on energy and climate policy in the mainstream media, both recorded and live interviews, including several appearances on primetime current affairs TV and radio broadcasts (YLE evening news, YLE A-Studio, Sannikka and Ukkola, Poliitikkaradio, Ykkösaamu).

Several op-eds on climate policy and on industrial policy in newspapers with wide circulation.

## Publications

### A. Refereed journal articles

- Harju, J., Kosonen, T., Laukkanen, M. and Palanne, K. (2022). The heterogeneous incidence of fuel carbon taxes: Evidence from station-level data. *Journal of Environmental Economics and Management*, 112.
- Bostian, A., Bostian, M., Laukkanen, M. and Simola, A. (2020). Assessing the productivity consequences of agri-environmental practices when adoption is endogenous. *Journal of Productivity Analysis*, 53(2).
- Pintassilgo, P., Laukkanen, M., Grønbaek, L., and Lindroos, M. (2018). International fisheries agreements and non-consumptive values. *Fisheries Research*, 203.
- 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., Grønbaek, 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).
- 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, monographs and policy briefs**

Laukkanen, M. and Ollikka, K. (2022). The implications for manufacturing in Finland of a stop on Russian energy imports. VATT Policy Brief 2/2022. In Finnish.

Eerola, E., Huhtala, A., Laukkanen, M. and Palanne, K. (2021). Pricing environmental damage – a review of research on climate change mitigation policy. VATT Report 64. In Finnish.

Laukkanen, M. (2020). Firm subsidies related to energy generation and energy use. Report for Finland's Firm Subsidies Research Council. In Finnish.

Koljonen, T., Laukkanen, M., Ollikainen, M., Lehtilä, A., Eerola, E., Koreneff, G., Kyritsis, E., Lindroos, T., Ollikka, K., Pursiheimo, T., Rämä, M. and Siikavirta, H. (2019). Restructuring excise taxes on energy generation in Finland. VTT Technology Report 359. In Finnish.

Laukkanen, M., Ollikka, K. and Tamminen, S. (2019), The impact of energy tax refunds on manufacturing firm performance: evidence from Finland's 2011 energy tax reform. Publications of the Government's analysis, assessment and research activities 32/2019. 42 pages.

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.

Laukkanen, M. and Sahari, A. (2018). Policies to promote electric vehicle adoption. Finnish Climate Change Panel Policy Brief. In Finnish.

Harju, J., Kosonen, T., Laukkanen, M., Palanne, K. and Saltee, 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.

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. In Finnish.

Laukkanen, M., Ollikka, K. and Tamminen, S. (2016). Finland's energy taxation favors large energy-intensive firms. VATT Policy Brief 2/2016. In Finnish.