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## Research interests

I have worked at VTT since 2001 in various national and international research projects related to mobility services, logistics and transport emissions. For example, I coordinated an international MaaS project, MAASiFiE (2015-2017), and a national rural MaaS project (2016-2017). I have also worked in a national project (2018-2019), which performed impact assessment of regional MaaS pilots.

## Qualifications

Master, University of Oulu  
Award Date: 20 Jun 2002

## Employment

**Research Team Leader**  
BA4303 Mobility services  
VTT Technical Research Centre of Finland  
1 Sep 2021 → present

## Research outputs

**Correction to: Impact assessment of rural PPP MaaS pilots (European Transport Research Review, (2020), 12, 1, (49), 10.1186/s12544-020-00443-5)**

Eckhardt, J., Lauhkonen, A. & Aapaoja, A., Dec 2020, In: European Transport Research Review. 12, 1, 53.

**Mobility as a Service for public-private partnership networks in the rural context: Dissertation**

Eckhardt, J., 2 Nov 2020, Oulu: University of Oulu. 82 p.

**Sustainability of port operations: The European ports' attempts to reduce negative environmental impacts**

Hinkka, V., Mäkinen, R., Eckhardt, J. & Lastusilta, T., 27 Apr 2020, *Proceedings of TRA2020, the 8th Transport Research Arena: Rethinking transport – towards clean and inclusive mobility*. Lusikka, T. (ed.). Finnish Transport Agency, (Traficom Research Reports; No. 7/2020).

**Public-Private-People Partnership Networks and Stakeholder Roles within MaaS Ecosystems**

Eckhardt, J., Aapaoja, A. & Haapasalo, H., 16 Jan 2020, *Implications of Mobility as a Service (MaaS) in Urban and Rural Environments: Emerging Research and Opportunities*. IGI Global, 30 p.

**Impact assessment of rural PPP MaaS pilots**

Eckhardt, J., Lauhkonen, A. & Aapaoja, A., 2020, In: European Transport Research Review. 12, 1, 49.

**Impact assessment of PPP rural MaaS**

Eckhardt, J., Lauhkonen, A. & Aapaoja, A., 2019, *Proceedings of the 2nd international conference on Mobility as a Service*. University of Tampere, p. 69-85

**Kuljetusten välityksen ja yhdistelyn hankintamallit**

Merisalo, M., Oksanen, J., Valovirta, V. & Eckhardt, J., 2019, VTT Technical Research Centre of Finland. 17 p. (VTT Tutkimusraportti; No. VTT-R-01149-19).

**Maaseudun liikkumis- ja kuljetuspalvelut tulevaisuudessa**

Eckhardt, J., Siirilä, H. & Nykänen, L., 29 Nov 2018, In: *Maaseudun Uusi Aika*. 26, 2-3, p. 99-109

**Matching mobility services with tourist traveller archetypes in rural destinations**

Pihlajamaa, O., Eckhardt, J., Rajan, A., Kostiainen, J. & Kinnunen, T. K., 20 Sep 2018. 14 p.

**MaaS in rural areas - case Finland**

Eckhardt, J., Nykänen, L., Aapaoja, A. & Niemi, P., 1 Jun 2018, In: *Research in Transportation Business and Management*. 27, p. 75-83 9 p.

**The European Roadmap 2025 for Mobility as a Service**

Eckhardt, J., Aapaoja, A., Nykänen, L., Sochor, J., Karlsson, M. & König, D., 2018. 9 p.

**Business models for MaaS**

Aapaoja, A., Eckhardt, J. & Nykänen, L., 2017.

**Deliverable 4 - Impact Assessment: MAASiFIE project funded by CEDR**

Karlsson, M., Sochor, J., Aapaoja, A., Eckhardt, J. & König, D., 2017, Conference of European Directors of Roads (CEDR). 84 p.

**European MaaS Roadmap 2025: Deliverable Nr 2**

Eckhardt, J., Aapaoja, A., Nykänen, L., Sochor, J., Karlsson, M. & König, D., 2017, Conference of European Directors of Roads (CEDR). 65 p.

**MaaS in rural areas - case Finland**

Eckhardt, J., Nykänen, L., Aapaoja, A. & Niemi, P., 2017, *ICoMaaS 2017 Proceedings*. Tampere University of Technology, p. 311-324

**MaaS service combinations for different geographical areas**

Aapaoja, A., Eckhardt, J., Nykänen, L. & Sochor, J., 2017.

**Mobility-as-a-Service: Development of a Tentative Impact Assessment Framework**

Karlsson, M., Sochor, J., Aapaoja, A., Eckhardt, J. & König, D., 2017, *ICoMaaS 2017 Proceedings*. Tampere University of Technology, p. 179-183

**Mobility as a Service business and operator models**

Eckhardt, J., Aapaoja, A., Nykänen, L. & Sochor, J., 2017. 12 p.

**The European Roadmap 2025 for MaaS**

Nykänen, L., Eckhardt, J., Aapaoja, A., Sochor, J. & Karlsson, M., 2017, *ICoMaaS 2017 Proceedings*. Tampere University of Technology, p. 266-279

**The Role of Corridor Development in Boosting the European Industrial Future Based on Northern Scandinavian Mines**

Eckhardt, J. & Rantala, J., 27 May 2016, *Towards Innovative Freight and Logistics*. Blanquart, C., Clausen, U. & Jacob, B. (eds.). Wiley, Vol. 2. p. 325-336

**Projects****ALPIO: Alueellisen Liikkumisen Palveluiden Integroitu Operointi**

Eckhardt, J., Lauhkonen, A., Lahti, J., Siira, E., Valovirta, V., Merisalo, M. & Oksanen, J.  
1/05/18 → 30/11/19

**FIT ME!: Foreign Individual Travelers' hospitality and Mobility Ecosystem**

Lusikka, T., Eckhardt, J., Lahti, J., Isola, R., Hautala, R., Heino, I. & Pihlajamaa, O.  
1/06/21 → 31/08/23

**Liikkuminen palveluna –konsepti maaseudun elinkeinojen ja palveluiden kehittämisen edistäjänä**

Eckhardt, J. & Aapaoja, A.  
1/05/16 → 30/06/17

**MaasDigiboksi: Maaseudun kuljetusten ja liikkumisen digiboksi**

Eckhardt, J. & Lauhkonen, A.  
1/01/18 → 28/02/21

**MAASiFiE: Mobility as a Service for Linking Europe**

Eckhardt, J. & Aapaoja, A.  
1/06/15 → 31/05/17

**VAMOS!: Value Added Mobility Service - VAMOS!**

Kostiainen, J., Kinnunen, T. K., Pihlajamaa, O., Hautala, R., Eckhardt, J., Lahti, J. & Heino, I.  
1/12/17 → 31/12/18

**Yritysten kestävä liikkumissuunnitelma**

Isola, R., Eckhardt, J. & Lusikka, T.  
1/12/20 → 28/05/21