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BA2C03 Mobility services  
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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**  
BA2C03 Mobility services  
VTT Technical Research Centre of Finland  
1 Jan 2020 → present

## Research outputs

### **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 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., Kostianen, 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.

### **European MaaS Roadmap 2025 - Deliverable Nr 2**

Eckhardt, J., Aapaoja, A., Nykänen, L., Sochor, J., Karlsson, M. & König, D., 2017, 65 p.

### **Impact Assessment - Deliverable Nr 4: MAASiFiE project funded by CEDR**

Karlsson, M., Sochor, J., Aapaoja, A., Eckhardt, J. & König, D., 2017, 84 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, *Proceedings of the 12th ITS European Congress*. 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

### **Business and operator models for MaaS: MAASiFiE Deliverable Nr 3**

König, D., Eckhardt, J., Aapaoja, A., Sochor, J. & Karlsson, M., 2016, 71 p.

### **Changing training needs of port workers due to future trends**

Hinkka, V., Eckhardt, J., Permala, A. & Mantsinen, H., 2016, In : *Transportation Research Procedia*. 14, p. 4085-4094

### **Corridors: a political tool or business to be managed ?**

Leviäkangas, P., Eckhardt, J., Rantala, J. & Aapaoja, A., 2016. 17 p.

### **Future needs and visions for Mobility as a Service: Insights from European workshops**

Sochor, J., Eckhardt, J., König, D. & Karlsson, M. I. C., 2016, *Proceedings of the 23rd World Congress on Intelligent Transport Systems*. 12 p.

### **State-of-the-art survey on stakeholders' expectations for Mobility-as-a-Service (MaaS)**

König, D., Sochor, J., Eckhardt, J. & Böhm, M., 2016. 11 p.

## **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

### **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