



Aalto University
School of Science

Smart Commuting

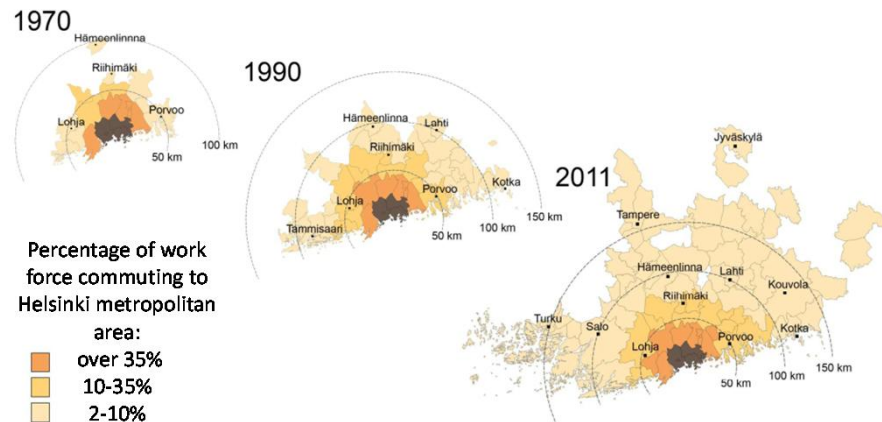
Smart and Mobile Work in Growth Regions

ERA-NET Cofund Smart Cities and Communities (ENSCC)

teemu.surakka@aalto.fi

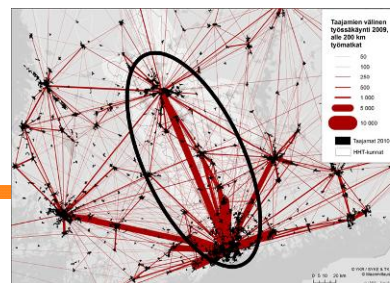
Project aim

The mobility of workforce is increasing due to either commuting or the nature of work. This has several consequences, as longer commuting decrease the productivity of work according to studies. Also cities have to address commuting on different levels such as in planning technical solutions, services and financing schemes. This project explores the relationship of this increased mobility with sustainable and intelligent transportation services. One of the goals of this project is to evaluate the applicability of Mobility as a Service concepts in enhancing **mobile work**.

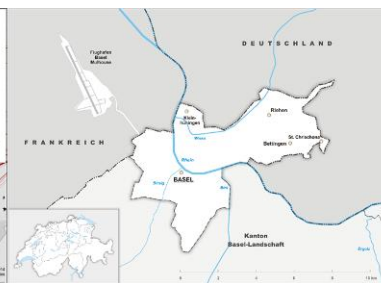


Project aim

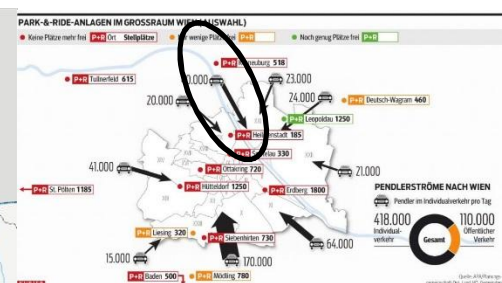
Another motive of this project is to think of new ways for sustainable working and living by using services such as electric car sharing. We aim at examining how these new types of mobility concepts could support workers, their organizations and the city as a whole. We will use simulations of services to provide decision support for different stakeholders addressing the challenges they pose for urban planning and governance structures. However, **implementations are pivotal aspects of this project**. The conjunctive aspect of implementations in different countries is large **commuting areas with new services and concepts developed by the project partners**. Stakeholders will benefit from the exchange of experience based on different approaches and perspectives.



The Growth Corridor Finland



City of Basel



District of Korneuburg

Objectives of the project



The **scientific** objective is to research:

- How intelligent transportation system services support new work arrangements.
- How these new services can be evaluated.
- How the intelligent transportation system influences mobile knowledge workers' job contents and fluency of their work?
- How these services challenges urban planning and design, as well as governance structures.

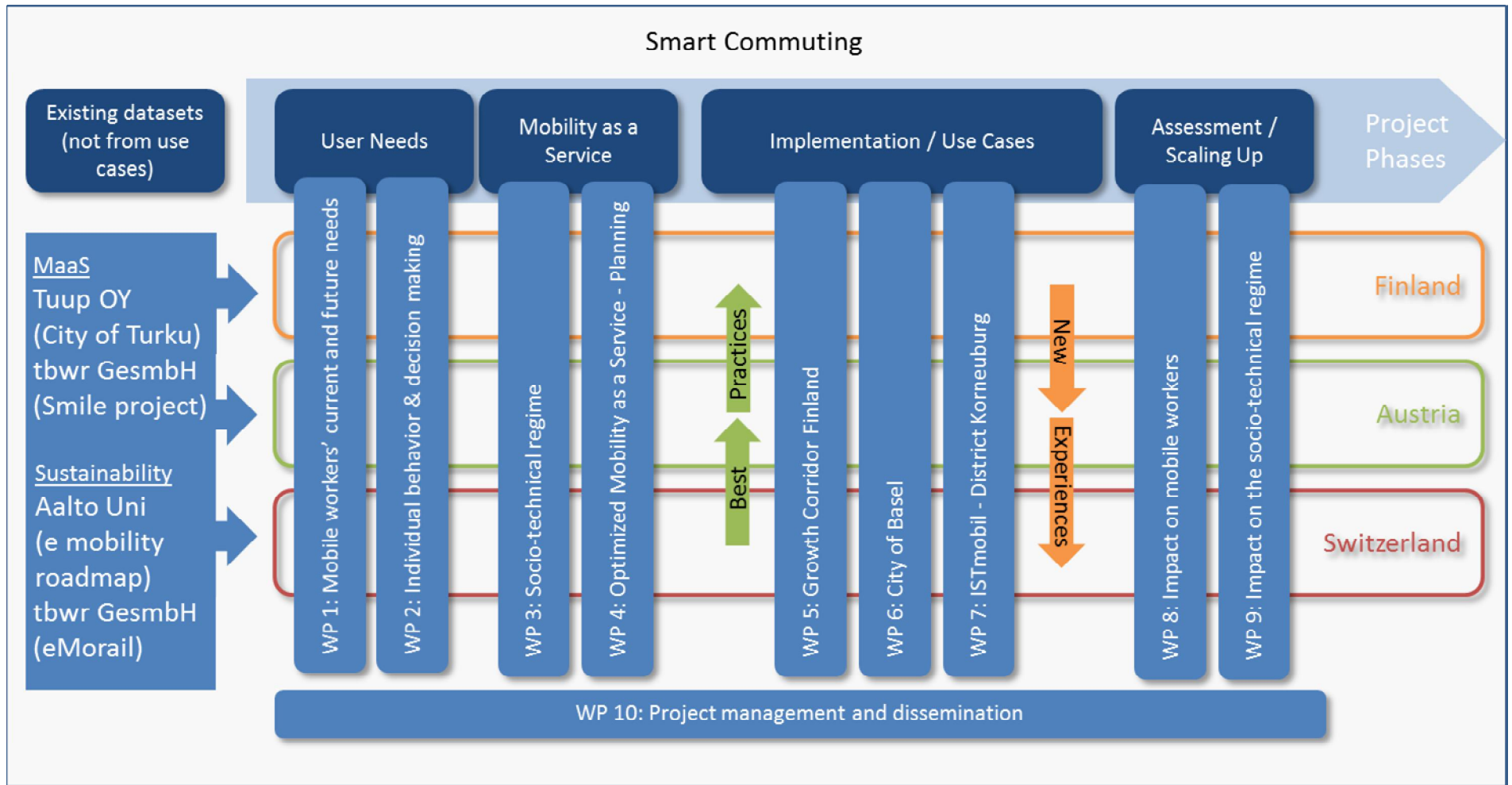
The **practical** objectives are:

- Implement sustainable and intelligent transportation system services in different markets.
- Evaluate existing and new services for mobile workers.
- Offer policies and guidelines to different stakeholders.
- Collect best practices in implementation and plan the scaling up of the implementation.



Project

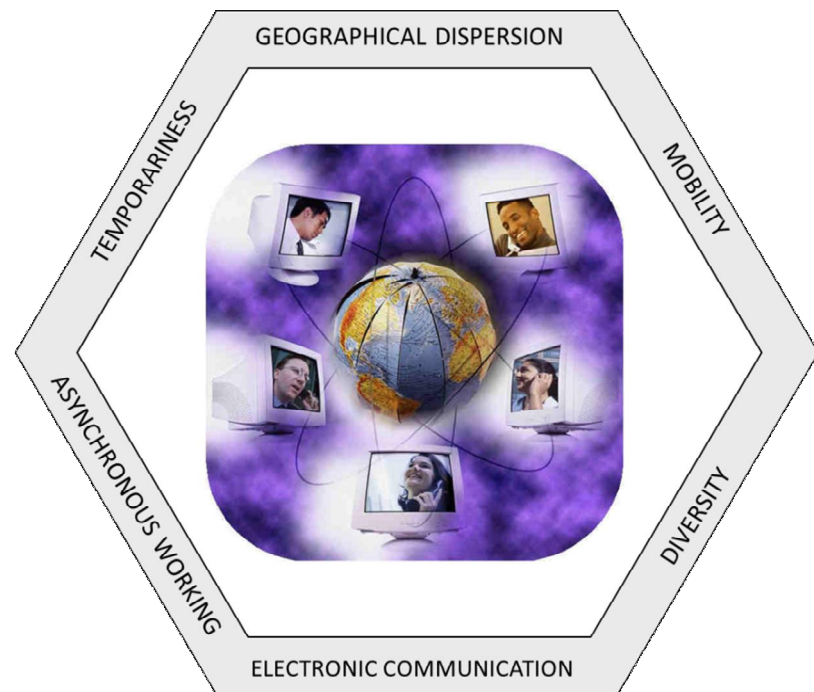
Smart Commuting



Project partners (Finland)

- Aalto University, Department of Industrial Engineering and Management, Virtual and Mobile Work Research Unit (<http://vmwork.net>)

- Main applicant
- Contact person:
Prof. Matti Vartiainen
matti.vartiainen@aalto.fi
+358 50 5553380



Project partners (Finland)

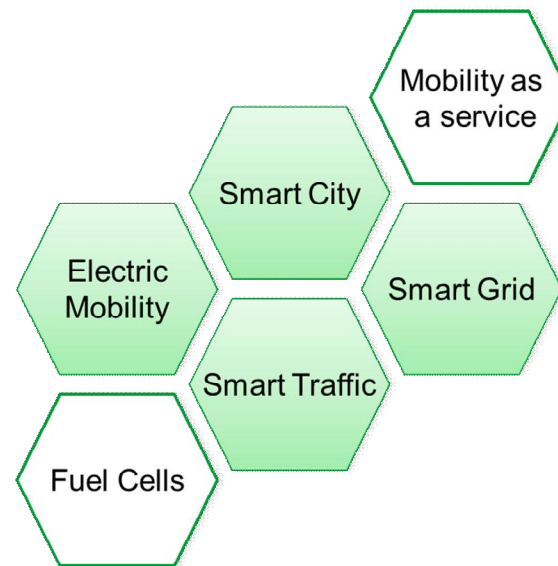
- Aalto University, Department of Industrial Engineering and Management, Value Networks Research Group (http://tuta.aalto.fi/en/research/operations_and_service_management/vn/)
- Co-applicant partner

- Contact person:

Teemu Surakka

teemu.surakka@aalto.fi

+358 40 381 9787



Project partners (Finland)



- Virta Ltd (Liikennevirta Oy)
- <http://solutions.virta.fi/en/>
- [Virta presentation in Youtube](#)
- Co-applicant partner

**Cloud-based solutions
for full EV ecosystem**

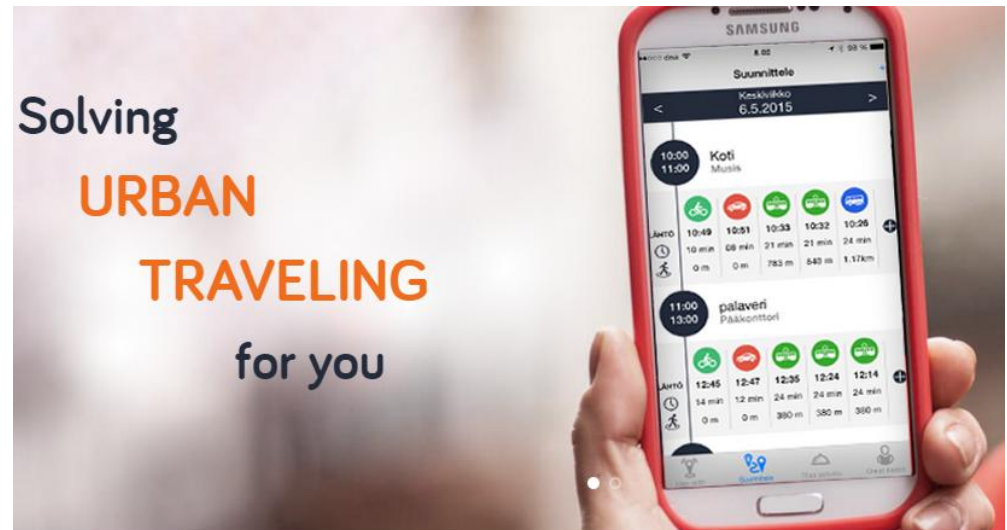
- Contact person:
Jaakko Liesmäki
jaakko.liesmaki@virta.fi
+358 40 559 8336



Project partners (Finland)

- Tuup Oy
- MaaS operator in pilot phase
- <http://tuup.fi/>
- Co-applicant partner

- Contact person:
Johanna Taskinen
johanna.taskinen@tuup.fi
+358 40 7573284



Project partners (Finland)

- AC2SG Software Oy
- <http://www.ac2sg.fi/in-english/ac2sg>
- Co-applicant partner

- Contact person:

Jaakko Aho

info@ac2sg.fi

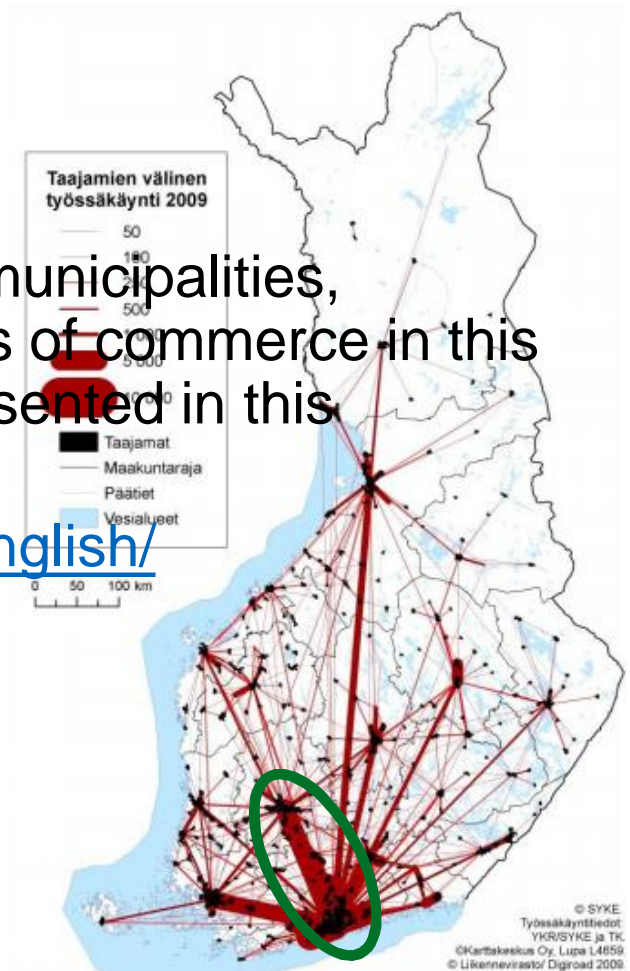
+358 50 5568575



AC TO SG SOFTWARE OY

Project partners (Finland)

- Growth Corridor Finland
- A cooperation network consisting of the municipalities, regional organizations, and the chambers of commerce in this region. Also different ministries are represented in this network.
- <http://suomenkasvukaytava.fi/briefly-in-english/>
- Co-operation partner
- Contact person:
Anna-Mari Ahonen
anna-mari.ahonen@hameenlinna.fi
+358 50 572 0945



Commuting between population centers,
The Finnish Transport Agency, 2009

Project partners (Austria)

- AIT Austrian Institute of Technology GmbH, Mobility Department, Dynamic Transportation Systems
- <http://www.ait.ac.at/departments/mobility/business-units/dynamic-transportation-systems/?L=1>

- Co-applicant partner

- Contact person:

Martin Reinthaler

Martin.Reinthaler@ait.ac.at

+43 664 8251271

Project partners (Austria)

- tbw research GesmbH
- <http://www.tbwresearch.org/de/start.html>

- Co-applicant partner

- Contact persons:

Marlene Hawelka

m.hawelka@tbwresearch.org

+43 664 88507530

Project partners (Austria)



- ISTmobil GmbH
- <http://www.istmobil.at/>

- Co-operation partner
- Contact person:
 - Alexander Stiasny,
alexander.stiasny@istmobil.at
+43 123 500 44 88
 - Doris Hahn,
doris.hahn@istmobil.at



Project partners (Switzerland)

- ZHAW Zurich University of Applied Sciences, School of Engineering, INE Institute of Sustainable Development
- <http://ine.zhaw.ch/en/engineering/institutes-centres/institute-of-sustainable-development.html>

- Co-applicant partner

- Contact person:

Merja Hoppe

merja.hoppe@zhaw.ch

+41 58 9347092

Project partners (Switzerland)

- Canton Basel-Stadt, Office of Mobility
- <http://www.mobilitaet.bs.ch/>

- Co-operation partner

- Contact person:

Simon Kettner

simon.kettner@bs.ch

+41 61 2678119

Please contact:

Teemu Surakka
+358 40 381 9787
teemu.surakka@aalto.fi