Interreg Baltic Sea Region

EUROPEAN UNION

EUROPEAN REGIONAL DEVELOPMENT FUND

HUPMOBILE

Aalto University

HUPMOBILE

Holistic urban and peri-urban mobility

Tero Haahtela
Aalto University

1.12.2021 Final Seminar

HUPMOBILE

Holistic urban and peri-urban mobility

A project in the Interreg Baltic Sea Region's third call for proposals in innovation, natural resources and sustainable transport.

Duration: 1.1.2019 – 31.12.2021

Total budget: MEUR 2.0 of which European Regional Development Funding MEUR 1.5

Learning together, transferring knowledge and increasing capabilities in sustainable holistic urban mobility by cooperation of the Baltic cities

TURKU

Hamburg | Bezirksamt Altona

Tallinn

REA
Riga Energy Agency

Aalto University

KTH
VETENSKAP
OCH KONST

UBC | UNION OF THE BALTIC CITIES
SUSTAINABLE CITIES COMMISSION

ITL
ESTONIA

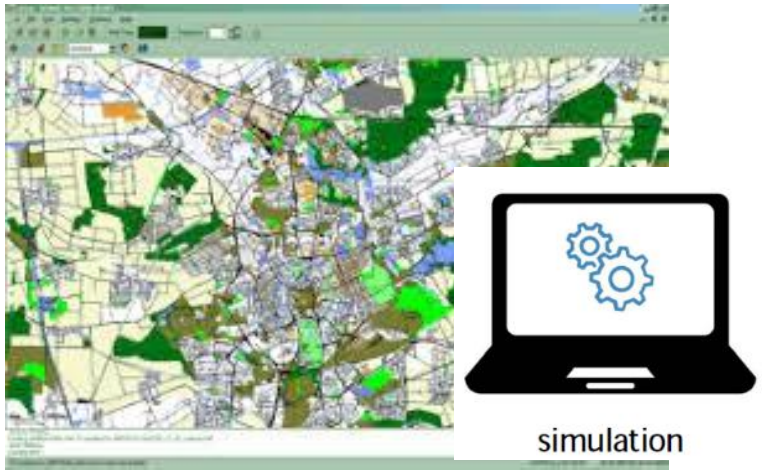
Aalto University

HUPMOBILE

HUPMOBILE goals

- HUPMOBILE's objective is to provide **a holistic approach to the planning, implementation, optimisation and management of integrated, sustainable mobility solutions** in Baltic Sea port cities.
- Mobility in this context includes **both people and goods** (i.e. freight, cargo logistics and delivery).
- Concrete examples of innovations addressed are
  - greener urban logistics
  - combinations of goods and passenger traffic
  - intelligent traffic systems -based services
  - tools for stakeholder participation and improving stakeholder processes
  - new tools for transportation mobility management
  - Mobility-as-a-Service (MaaS) knowledge.

HUPMOBILE activities and outcomes 1/2



Improving production logistics and urban logistics

- To develop a planning approach and tools focusing on the flow of goods in the urban areas.
- Simulation tools will analyse the in- and outbound transport flows and their interaction & impact on other transportation flows.

Taking into account he needs of residents and other stakeholders

- To understand the overall situation in passenger traffic in and around ports by looking everyday mobility of the residents, traffic flows from passenger ports, and commuting to companies in the port area.
- Developing and enhancing co-creation with residents

HUPMOBILE activities and outcomes 2/2

Potential of Intelligent Transport System solutions and supporting minipilots

- Matching public sector challenges with private sector competencies in the field of Intelligent Transport systems (ITS)
- Supporting the development of international competence networks of smart mobility in the Baltic Sea Region.
- Experimental policy-making via mini-pilots: ITS mini-pilots with a real policy roadmap how and why to develop it into a real pilot or service.

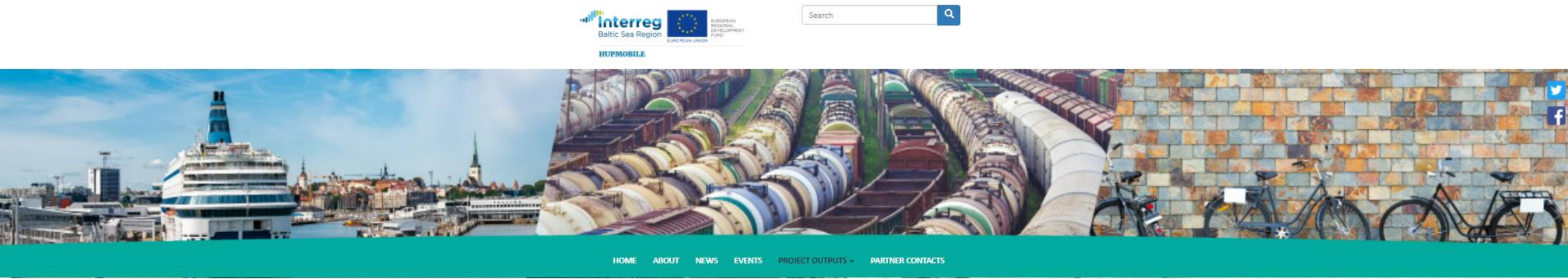
Multimodality in Urban Transport

- To support multimodal transportation, increase the utilization of the existing infrastructure and thereby reduce private car dependency, especially in areas connected to ports with different periodical transport needs.
- Impact assessment of new transport solutions and tools for estimating their transferability to other regions.

Aalto University

HUPMOBILE

Projet outputs: tools, reports, simulation models, ITS network



Tools

Reports

ITS Network

Aalto University

HUPMOBILE

Projet outputs: tools, reports, simulations models, ITS Network…

Several project reports, e.g.

- Mobility management and Lifestyles of residents
- Smart hubs for last-mile parcel logistics
- Benchmarking of transport solutions in BSR Cities
- Developing Mobility as a service in BSR city
- Intelligent Transport Systems in BSR
- Smart traffic lights and Mobility Management
- Joint cooperation and development model for Turku port area development

Projet outputs: tools, reports, simulation models, ITS Network…

Tools:

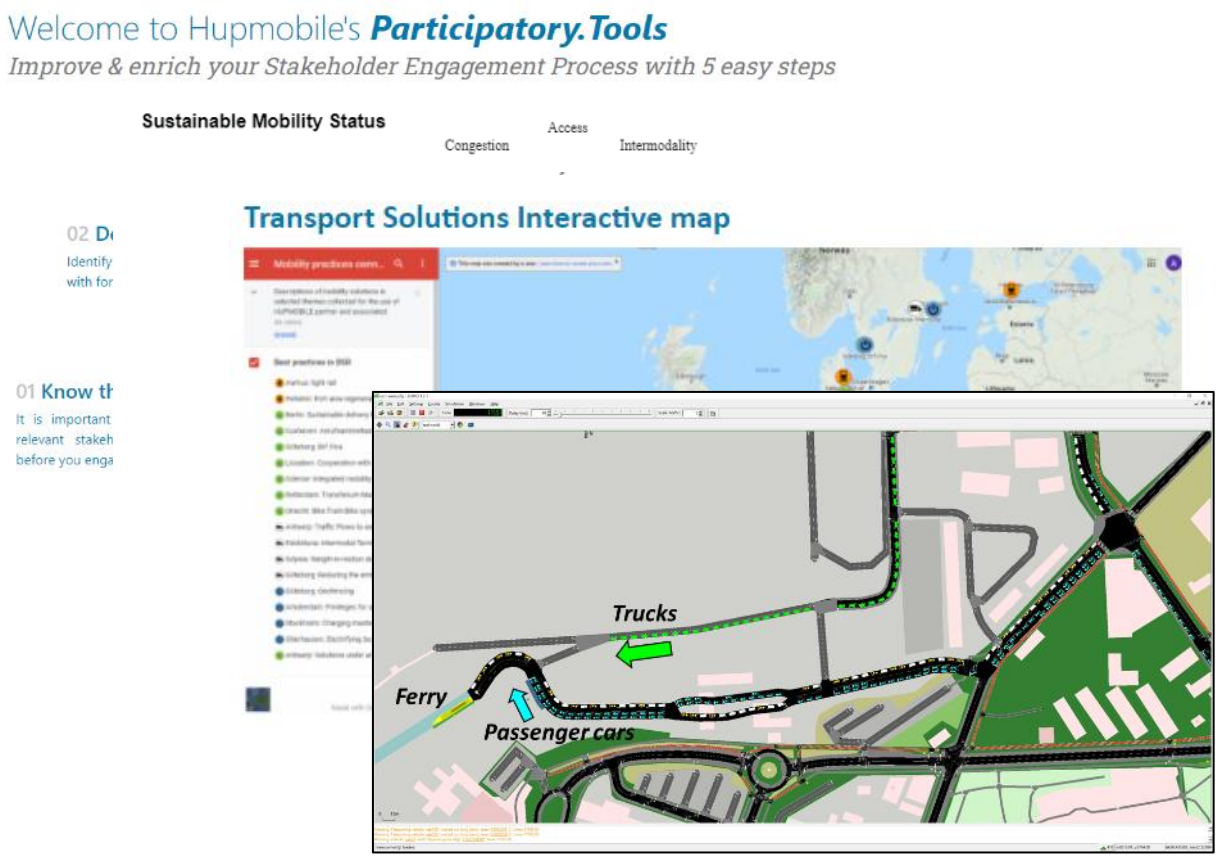
- Patricipatory.Tools
- Sustainability of transport system self-assessment
- Transport solutions interactive map

Simulation models:

- Green wave for cyclists without harming public transport
- Optimized route and timing to harbor via lorry parking areas

Earlier project webinars:

- 21.05.2021 Seamless Sustainable Mobility
- 20.05.2021 Developing ports and their neighborhood
- 27.11.2020 Mobility in times of Corona
- 26.11.2020 Fusion Mobility



Aalto University

HUPMOBILE

Aalto University

Interreg
Baltic Sea Region

EUROPEAN UNION

EUROPEAN
REGIONAL
DEVELOPMENT
FUND

HUPMOBILE

Contact

Tero Haahtela
Project Manager
Aalto University
Dept. of Industrial Engineering and Management
Phone: +358 50 577 1690
e-mail: tero.haahtela@aalto.fi
www.hupmobile-project.eu