City of Helsinki
City Planning Department

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Outline of presentation

- Introduction
- Background
- WP3 and WP4 - Proposed activities
  - WP3, “Platform for smart apps for passengers based on open data”
  - WP4, “Preliminary plan for Airport line”

Introduction

- The Helsinki–Tallinn growth zone is considered as a part of Europe-wide Trans-European transport networks supported by the European Union. The objective of the TEN-T is to promote the European internal market, regional cohesion and sustainable traffic network.
- A multimodal user-centric design for total mobility is needed. Smart solutions are needed for travellers travelling in Helsinki and Tallinn as well as in other cities in the BSR.
- Both cargo and passenger traffic is estimated to increase via the Helsinki-Tallinn fixed link. Developing the link would have a significant effect especially on commuter traffic but also on tourism. A preliminary study is needed in order to connect the Helsinki Airport line with Rail Baltic.

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Background (1)

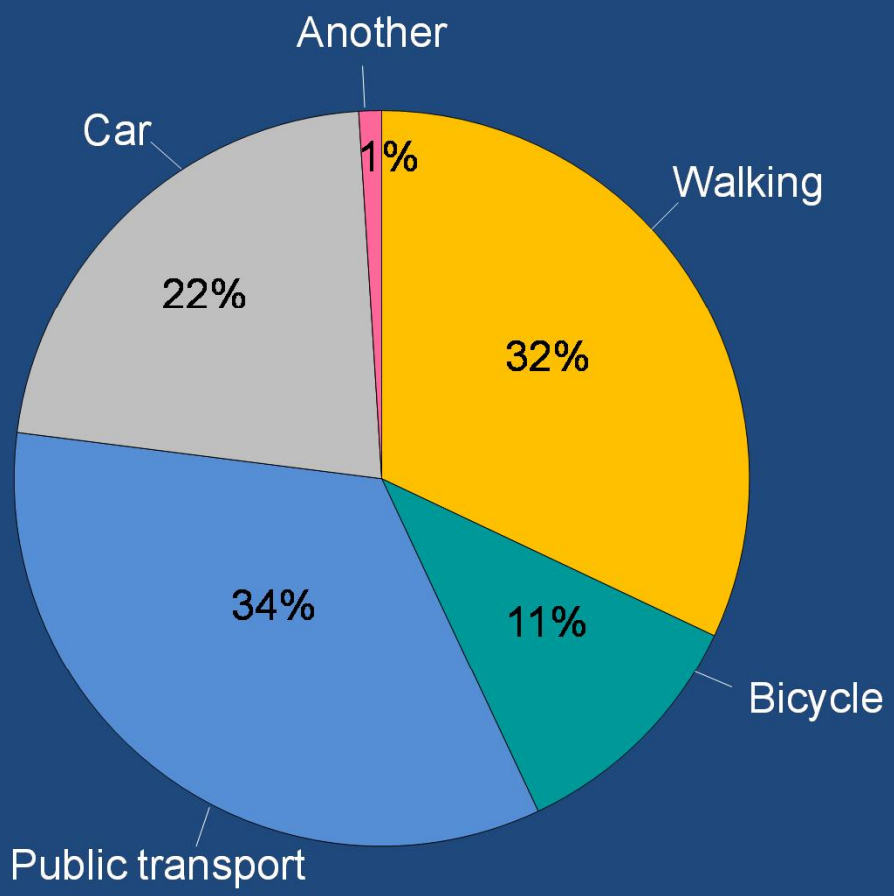
Population:

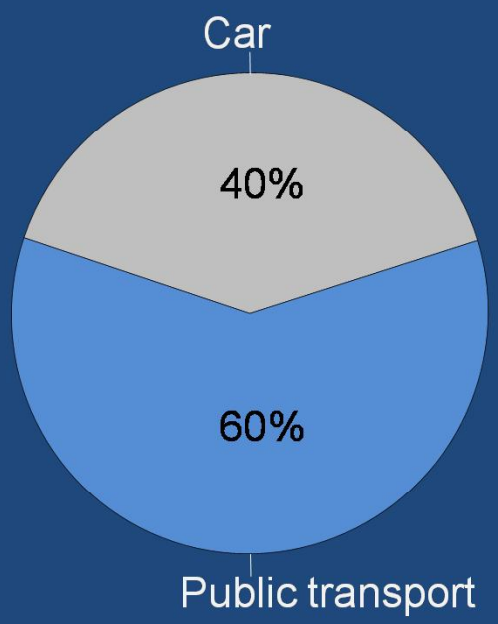
Helsinki 0,6 million, Metropolitan Area 1,4 million, Finland 5,3 million

Background (2)

Main modal shares

% of all trips during the day in Helsinki





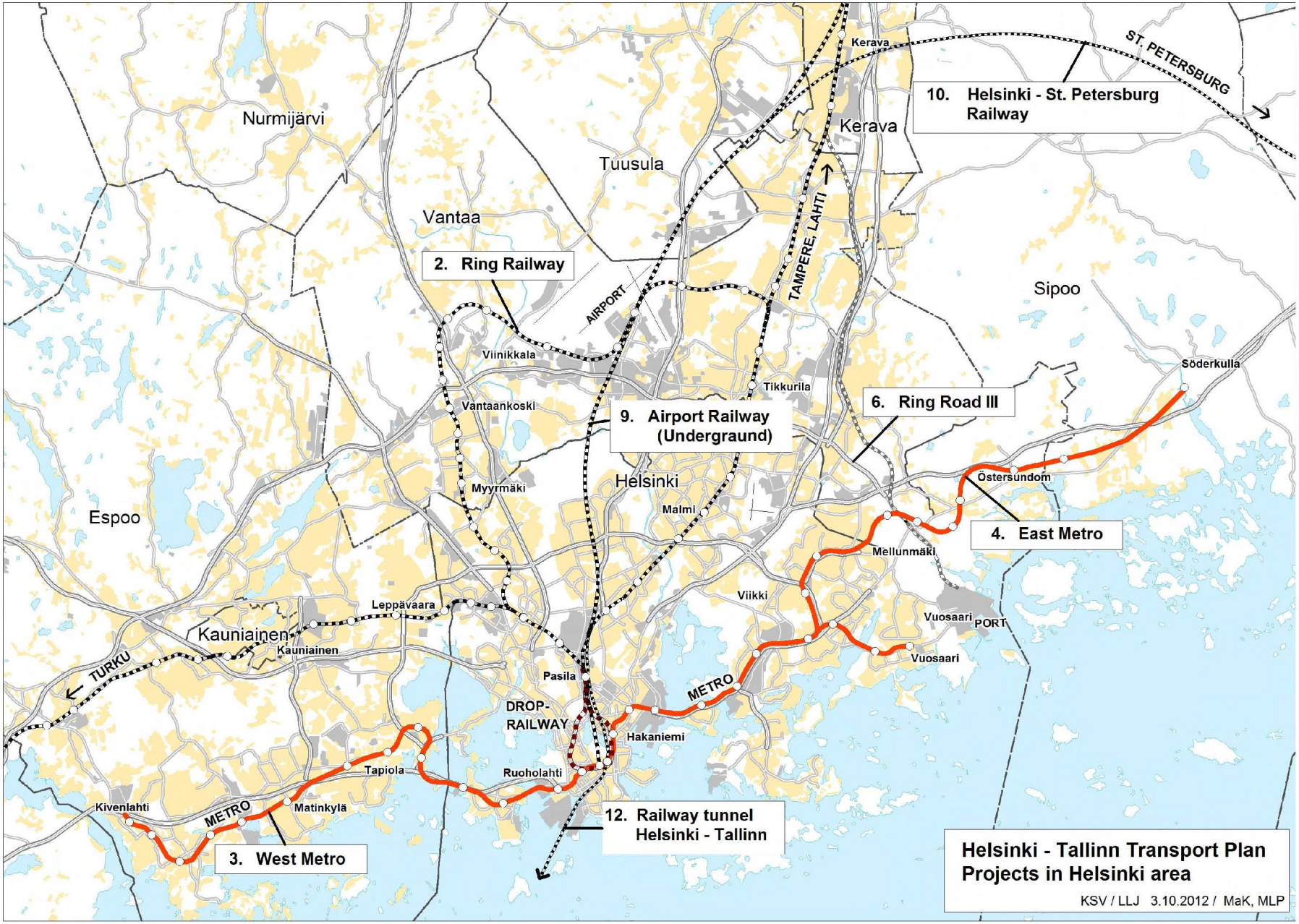
Inhabitants trips during the day in Helsinki 2013
City of Helsinki, city planning department,
traffic planning division

Background (3)

Transport in Helsinki

Public transport (2011)	(million)
journeys, total	205.3
buses	88.4
metro	61.5
trams	53.7
ferries	1.7

Background (4)



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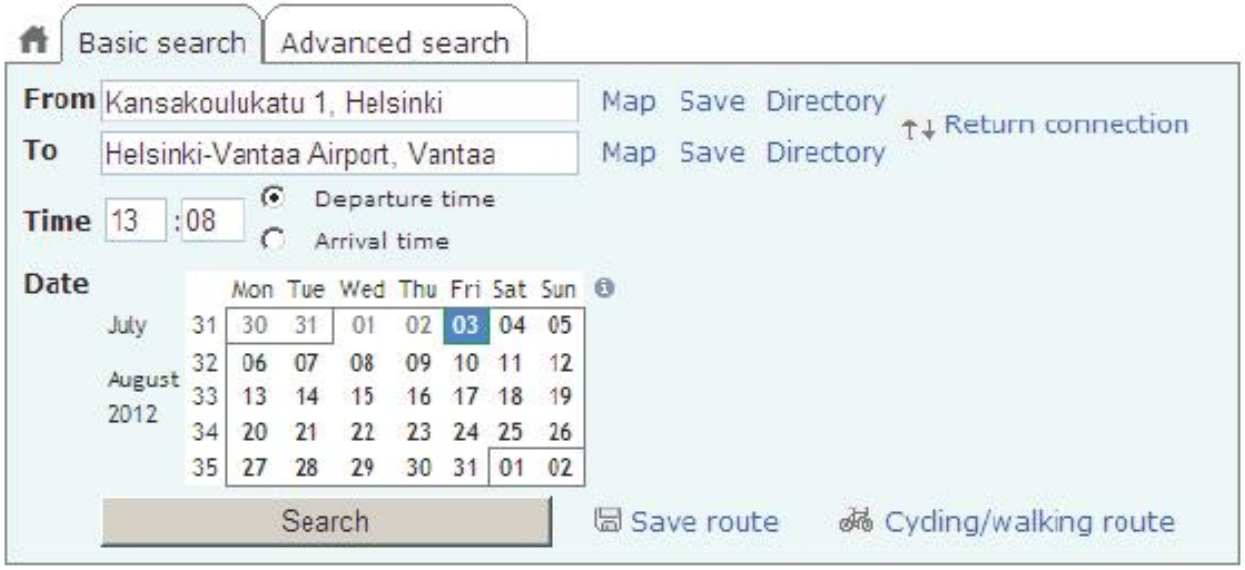
WP3, Activity ”Platform for smart apps for passengers based on open data” (1)

- Multimodal information services enable the networking of different transport modes so that they support each other, direct the travellers into using the transport modes most advantageous for the resources and the environment and decrease unnecessary transport.
  - Multimodal door-to-door transport chains are vital for the services.
- The multimodal transport information system is based on co-operation between different transport modes.
  - The system consists of automatic travel planning, other information and guiding services as well as incident management.



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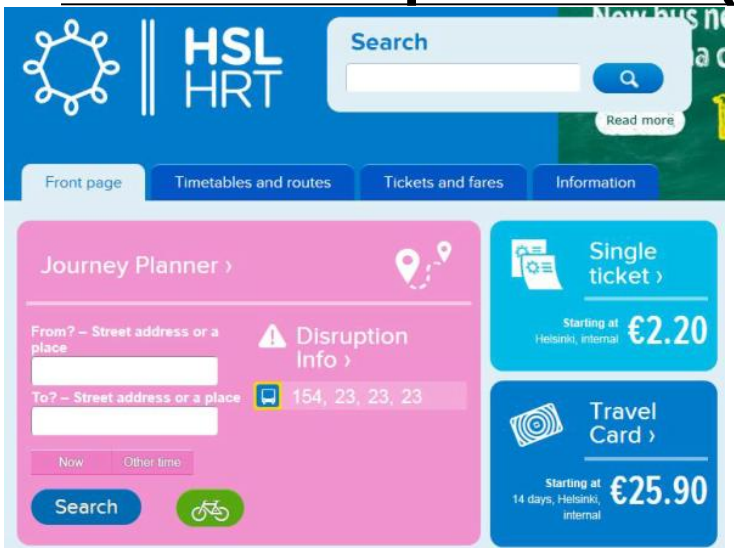
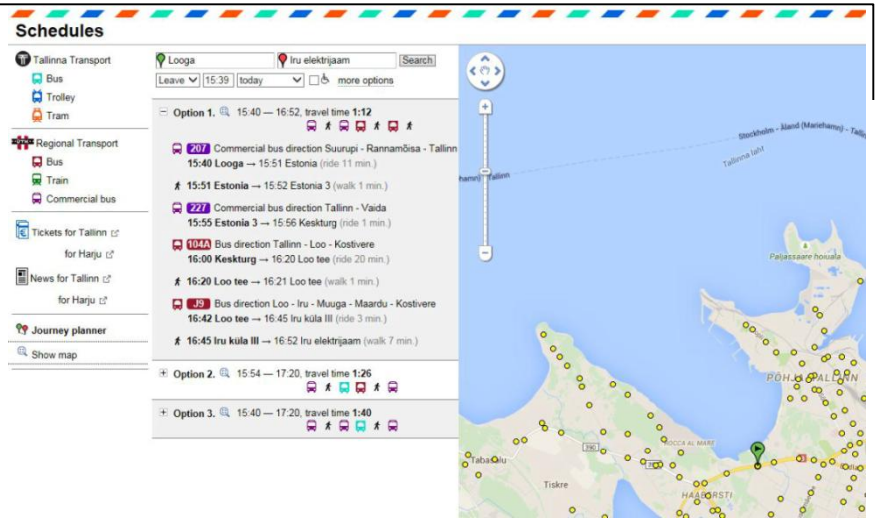
WP3, Activity ”Platform for smart apps for passengers based on open data” (2)





- Traveller is faced with multiple decision points both before and during the journey.
- Cross-border travel planner, navigation and service apps (urban navigator) are needed in order to extend and up-take existing multimodal travel planners with real-time transport system information, multimodal options, eco awareness and other solutions.

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WP3, Activity ”Platform for smart apps for passengers based on open data” (3)

- Open data based ecosystem services for transport can be utilized when implementing travel planner, navigation and service apps between Helsinki and Tallinn.
- Open data is the idea that certain data should be freely available to everyone to use and republish as they wish, without restrictions from copyright, patents or other mechanisms of control.
- Open data allows anyone to download and use the information for his or her purposes, particularly software developers who can use it to create mobile and Web-based applications.
- Helsinki has a very good experience in implementing of new apps and services, made by public themselves with the aid of open data and APIs, standardised interfaces and community support.
  - The Helsinki region travel planner has over 40 most innovative apps available.

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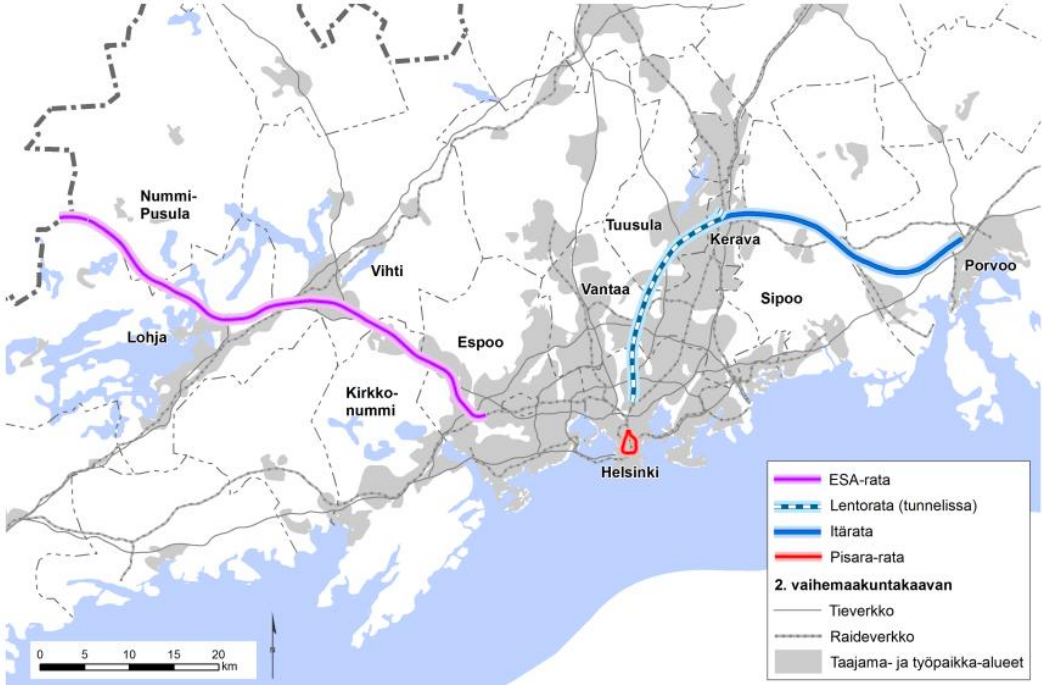
WP4, Activity ”Preliminary plan for Airport line” (1)

- Underground double tunnel
- 30 km long
- Only one new station (Air Port)
- Max. speed 300 km/h
- Travel time from Helsinki Central 13 min



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WP4, Activity ”Preliminary plan for Airport line” (2)

- The fixed link between Helsinki and Tallinn is supposed to be connected to the current public transport networks in both countries. The objective is to reduce the travel time between the two city centres as short as possible.
- In Finland, the fixed link should be connect to the Central Railway station and the Pasila railway station as well as to the Helsinki’s airport.
- A preliminary study is needed in order to connect the planned Helsinki Airport line with the Rail Baltic.
  - The study should take a look at the technical options and possibilities of the tunnel, as well as location possibilities for terminals. In addition to financial impacts, the possible environmental, social and cultural effects of the tunnel should also be estimated. As a basis for the study, the estimates of cargo and passenger traffic should be specified.

Thank you!