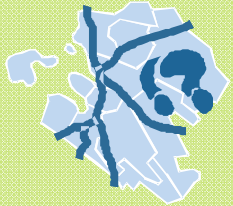


Oulu Region Travel Survey 2009

Regional Travel Survey of Oulu 2009





Oulu Region
Travel Survey
2009

Oulu Region Travel Survey 2009

A. Travel survey

- sample of 8 200 residents in Oulu region
- at least 6 years of age
- travel diary survey to define residents' travel behaviour



- telephone interview
- internet survey
- postal survey



- ca. 5 000 respondents
- data set on ca. 14 000 trips



B. Vehicle traffic survey

- vehicle origin-destination survey
- data collection on route selection, origin and destination
- entails information about traffic outside of the region



- roadside interviews on outer ring road
- license plate survey on inner ring road, postal and internet surveys



- origin-destination data on vehicle traffic
- the volume of intra and inter regional traffic on arterial road network



C. Vehicle, bicycle and pedestrian traffic count

- description of present traffic volumes and hourly variation

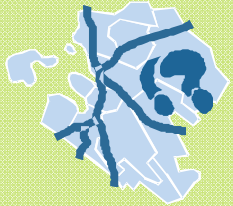


- automated traffic census in 35 locations
- acquiring data from stationary traffic census points
- automated and manual census of bicycles and pedestrians in 30 locations



- traffic flow information from census locations
- seasonal variation factors

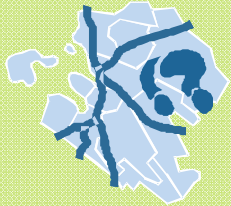




Oulu Region
Travel Survey
2009

Travel survey data

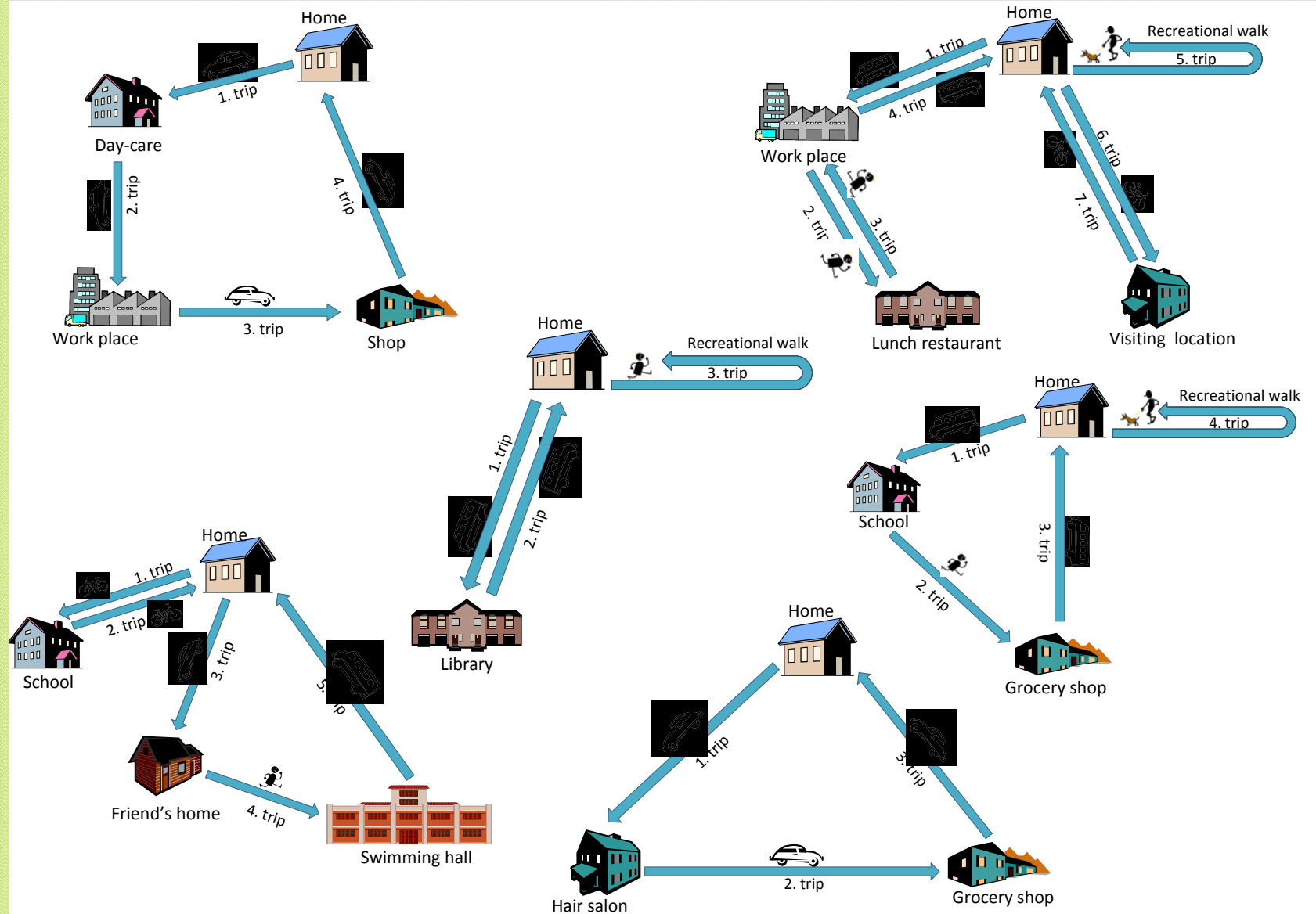
- basic data on transport demand in Oulu region
- many opportunities for utilization
 - evaluation of traffic development
 - traffic prognoses and models
 - transportation system planning
 - assessment of the effects of land use on traffic
 - finding trouble spots in the transportation system
 - estimating energy consumption and effects on climate change of transport
 - basic information source for various city planning purposes

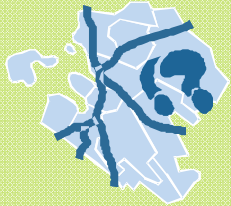


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Travel diary survey

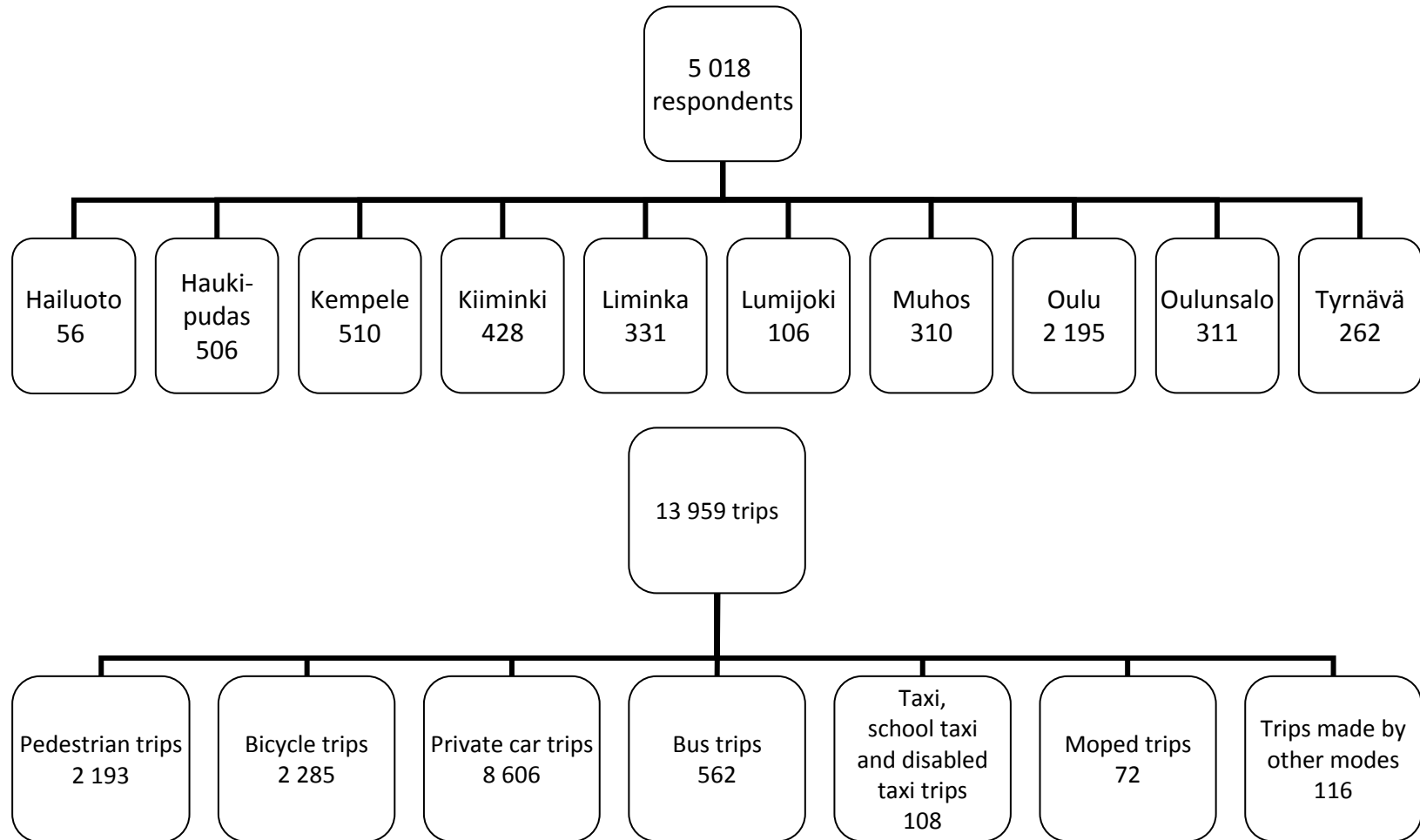
- data on respondents' trips during one weekday

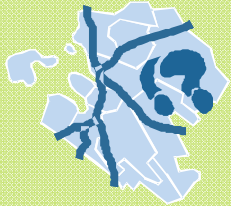




Oulu Region
Travel Survey
2009

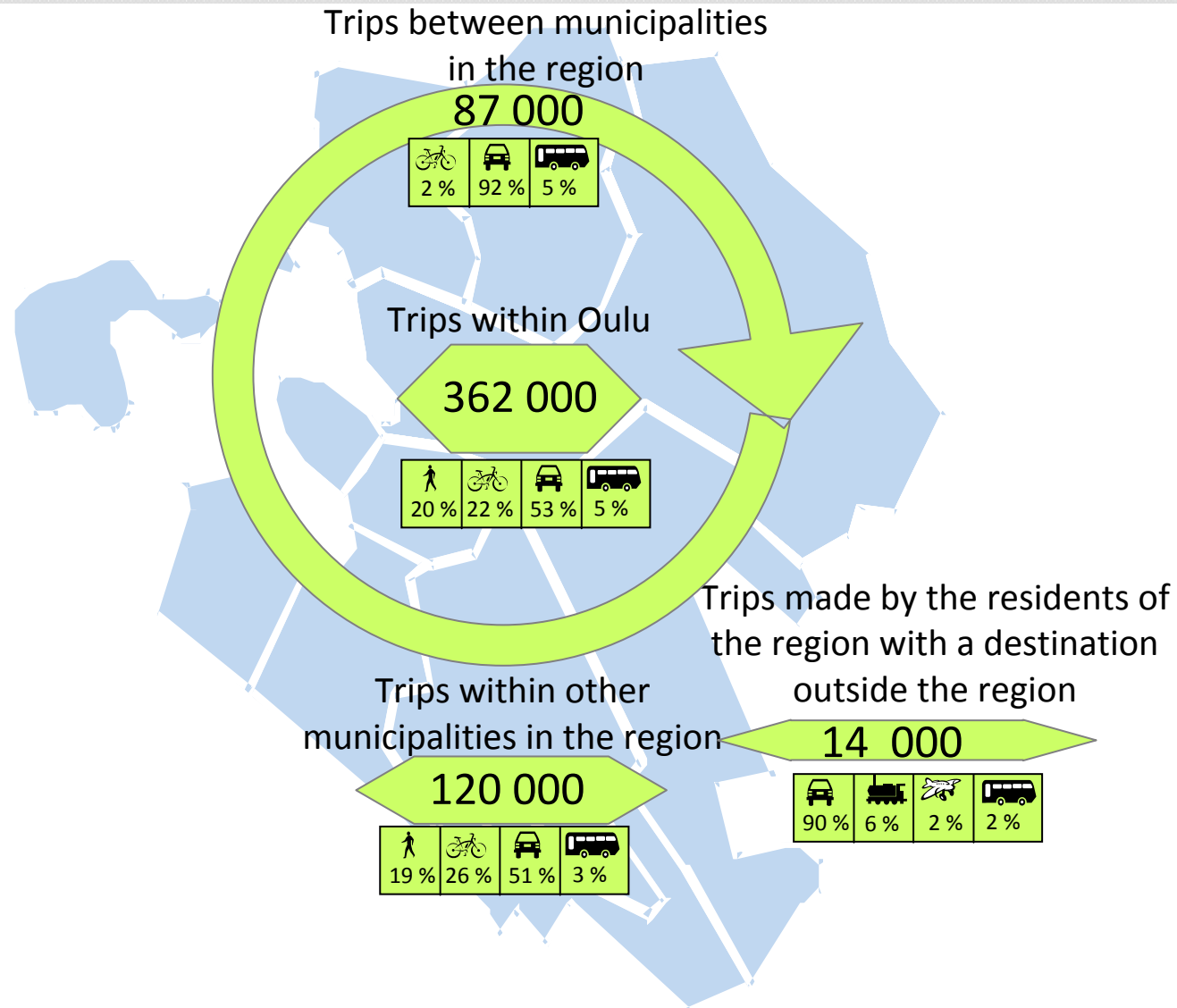
Travel diary - the amount of observations

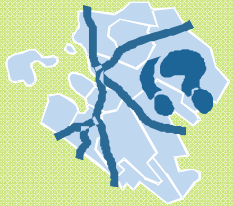




Oulu Region
Travel Survey
2009

The amount of trips made by the residents of the region during weekdays – in total 580 000 trips and 6.0 million km per weekday

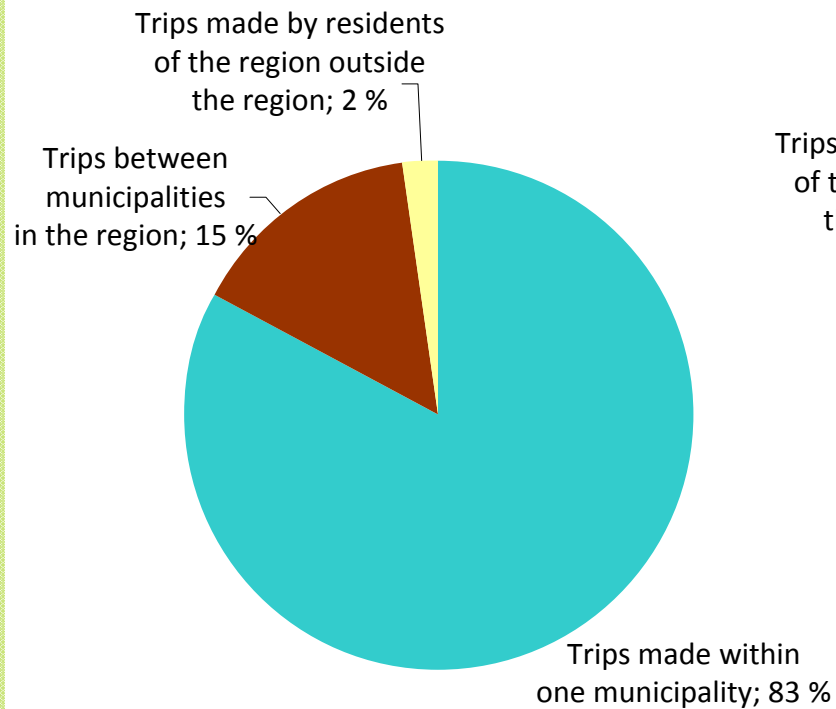




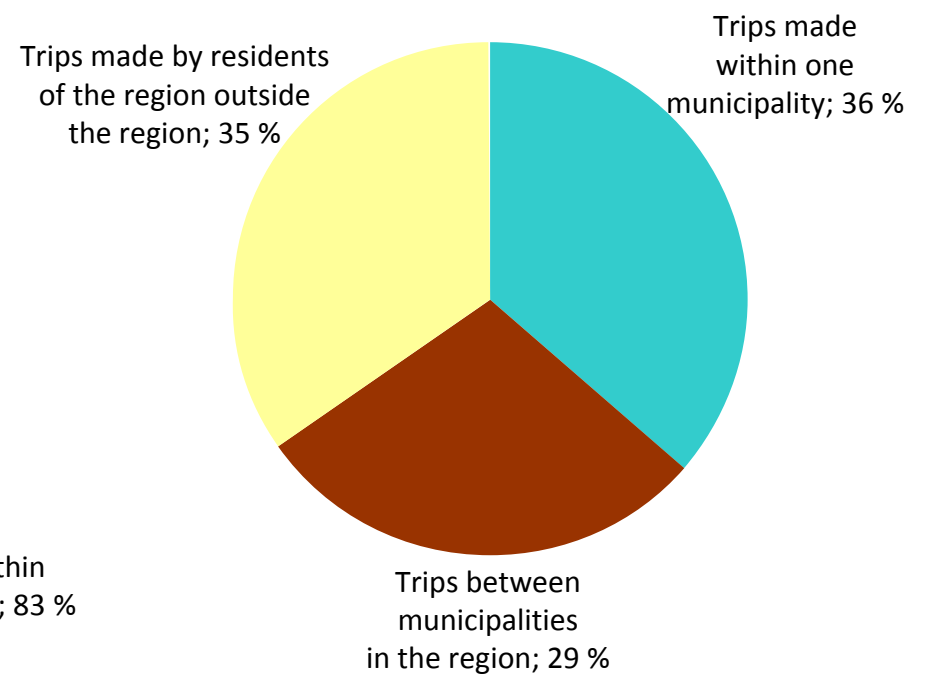
Oulu Region
Travel Survey
2009

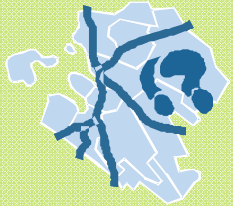
Division of trips: within the region / outside the region

Proportion of trips



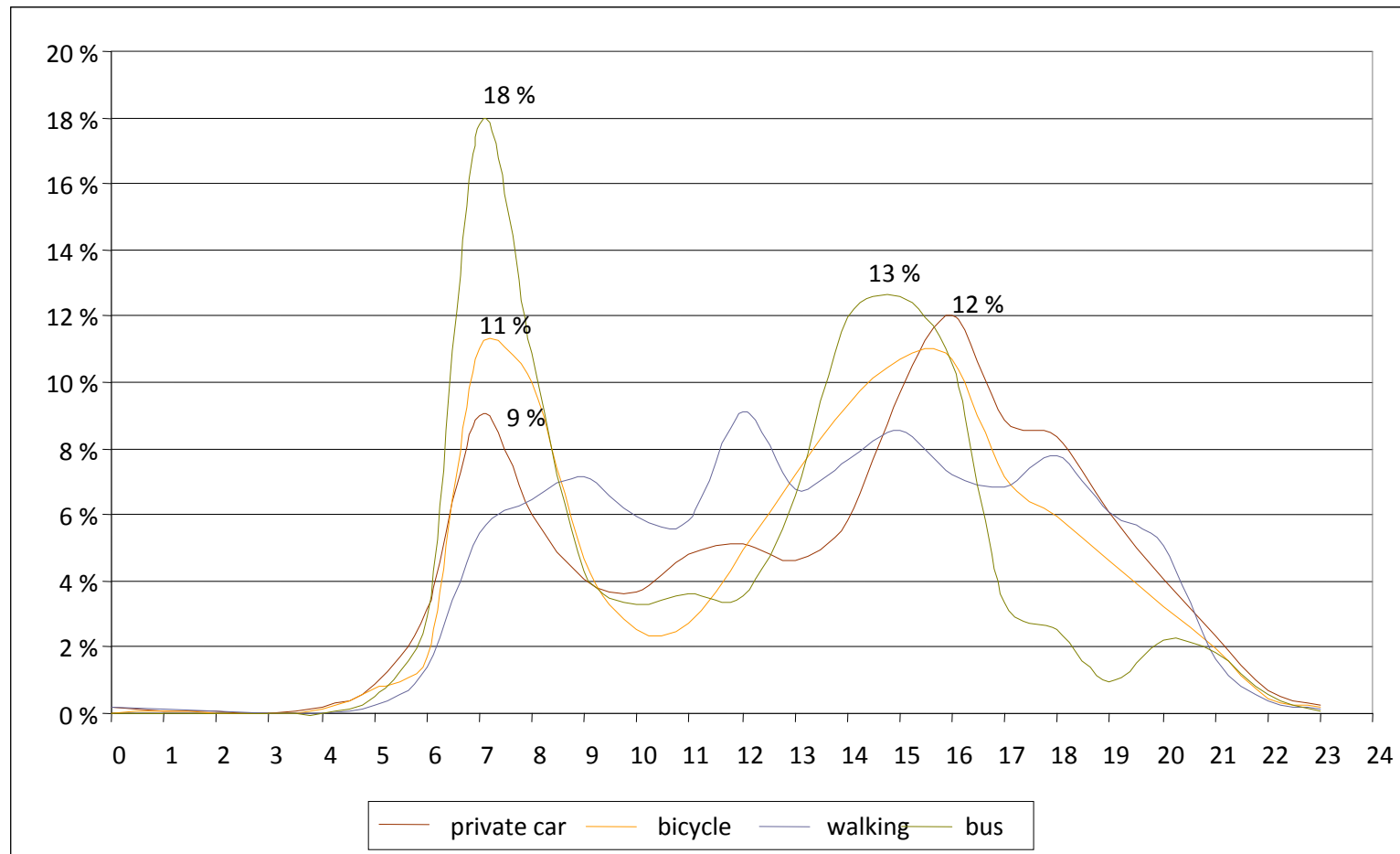
Proportion of kilometers traveled

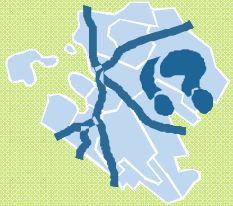




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Travel Survey
2009

Hourly variation of travel demand during weekdays

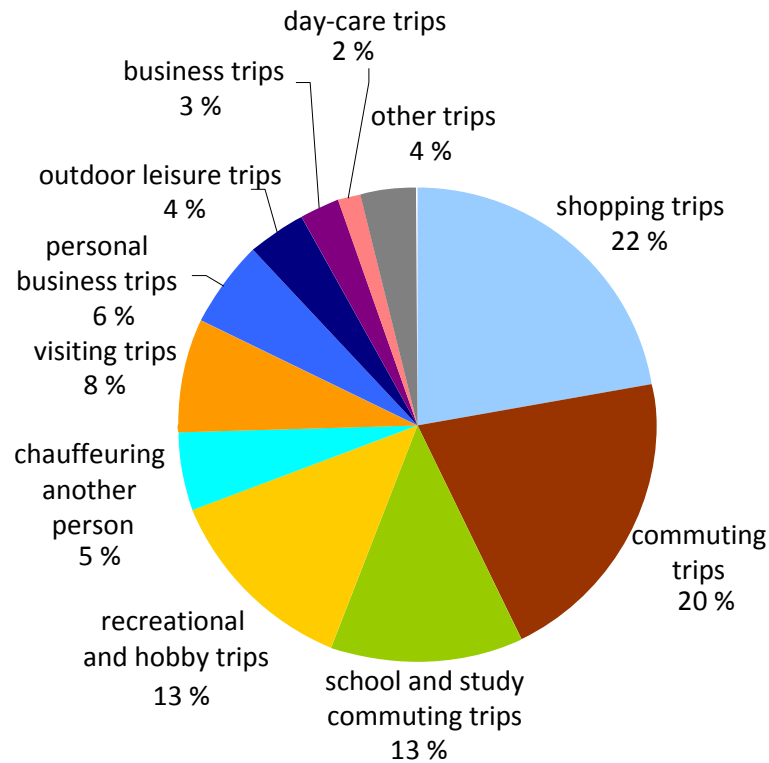




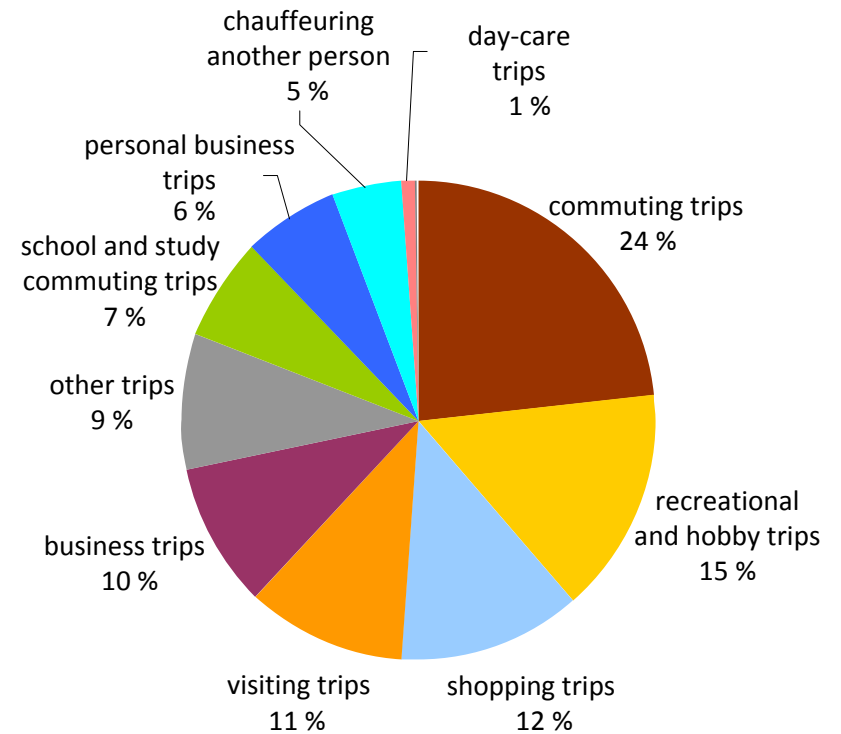
Oulu Region
Travel Survey
2009

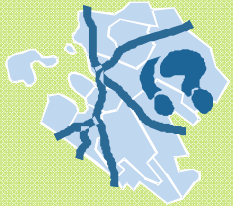
Division of trips: different purpose groups

Proportion of trips



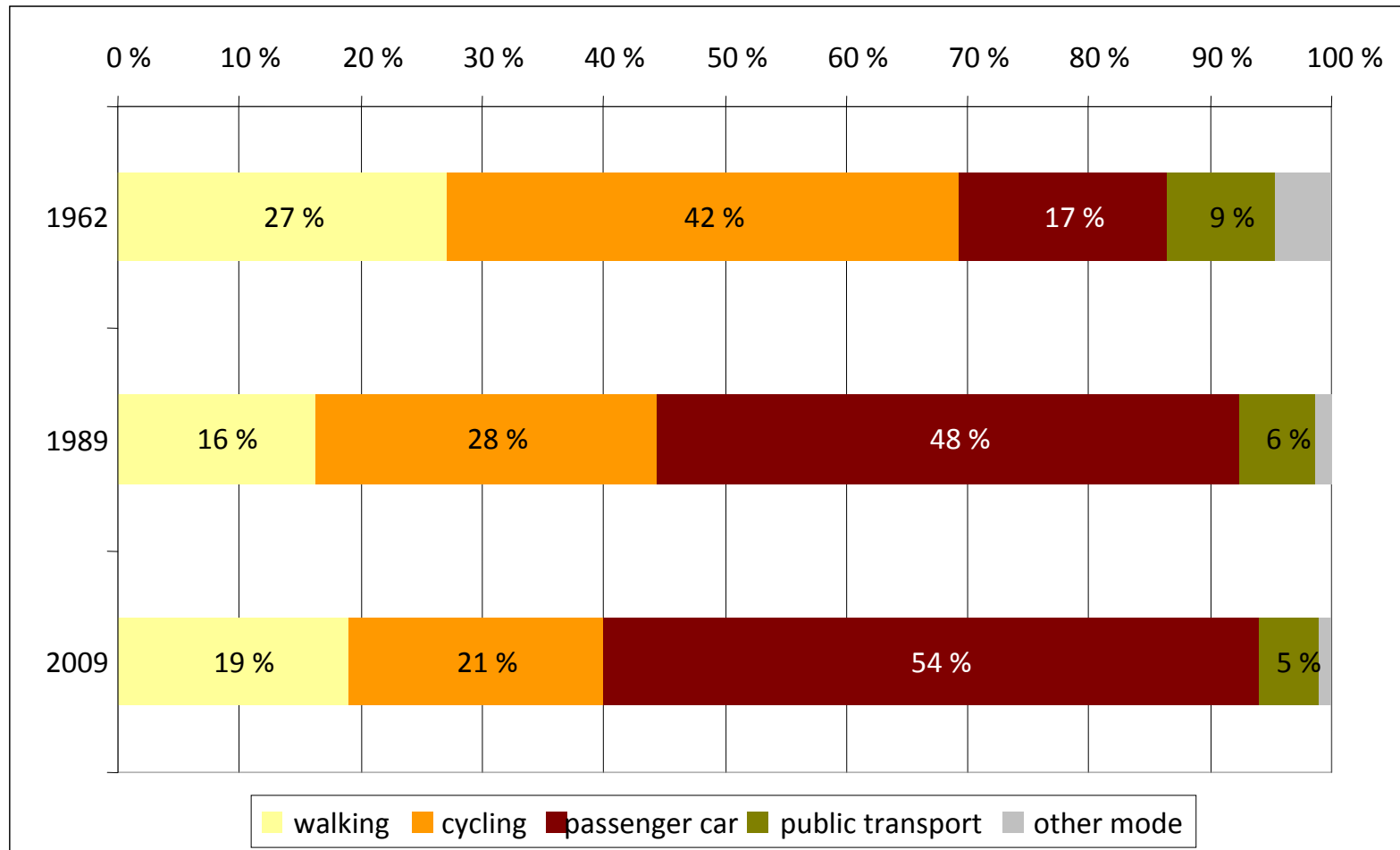
Proportion of traveled kilometers

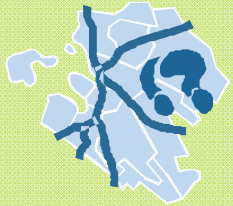




Oulu Region
Travel Survey
2009

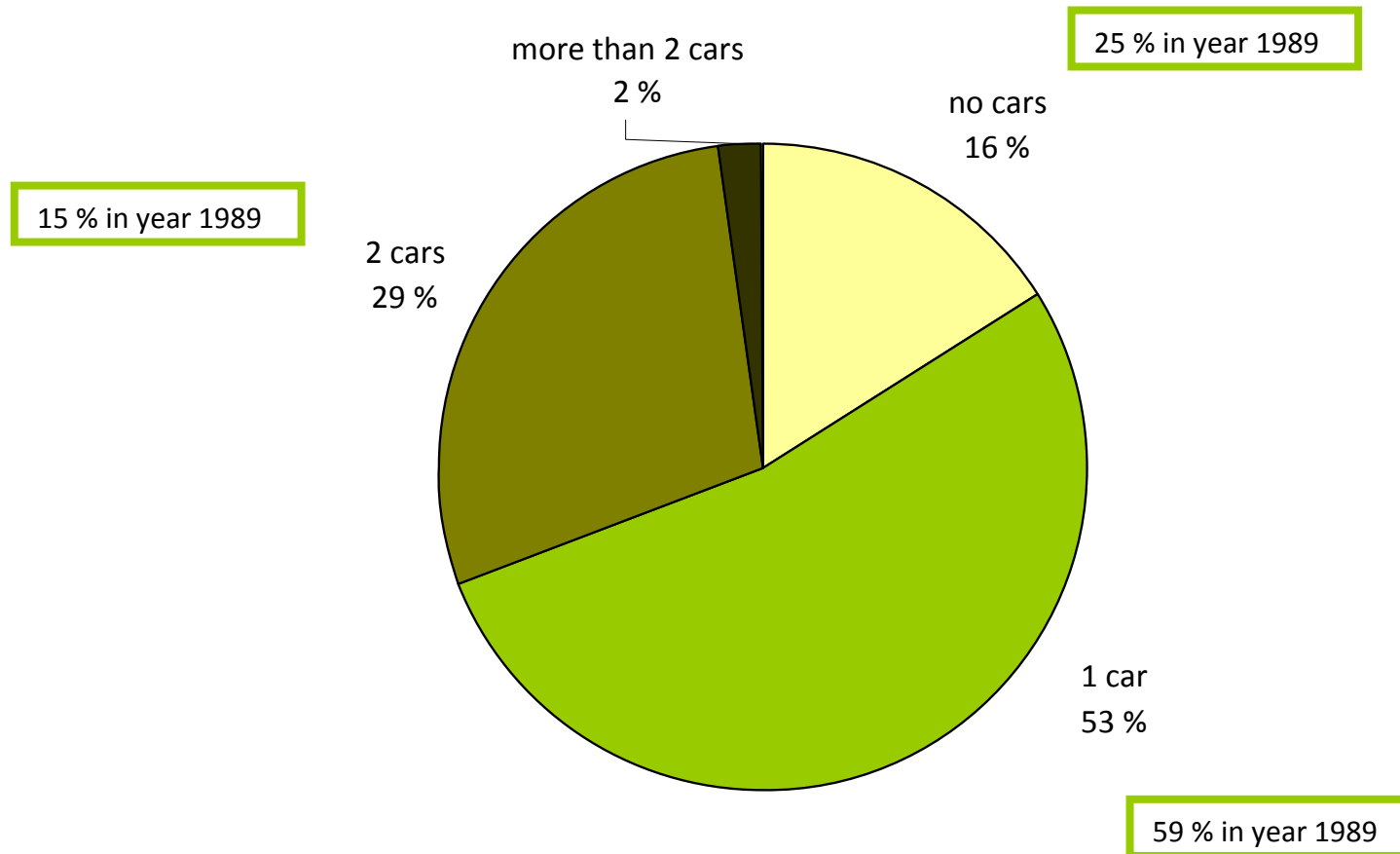
The development of mode choice in the City of Oulu

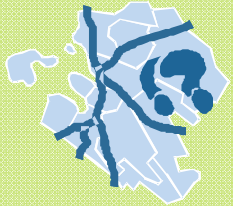




Oulu Region
Travel Survey
2009

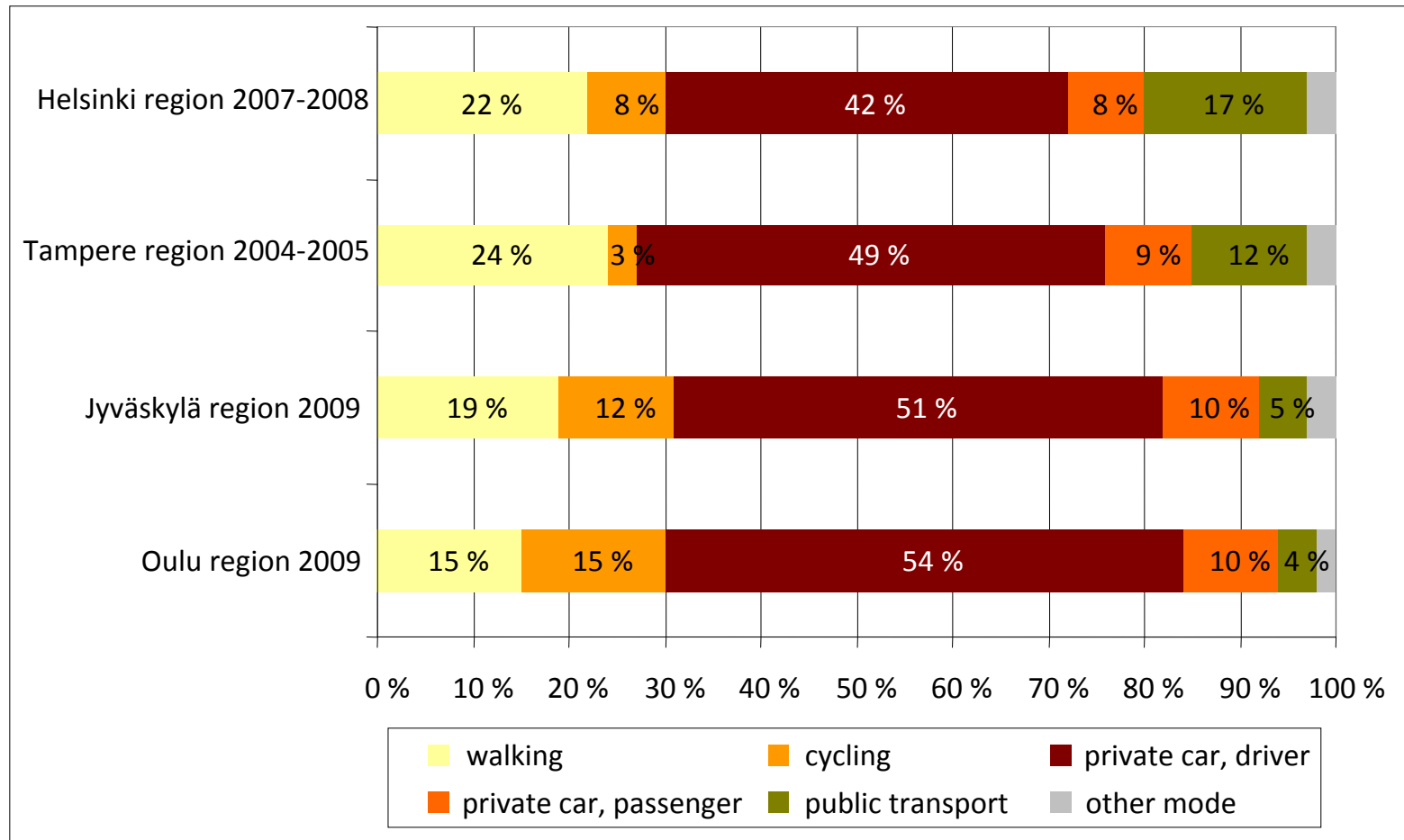
Number of cars in respondents' households - about one third lives in a household with several cars

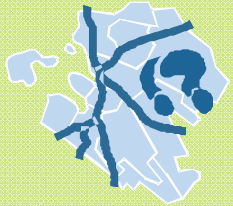




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Travel Survey
2009

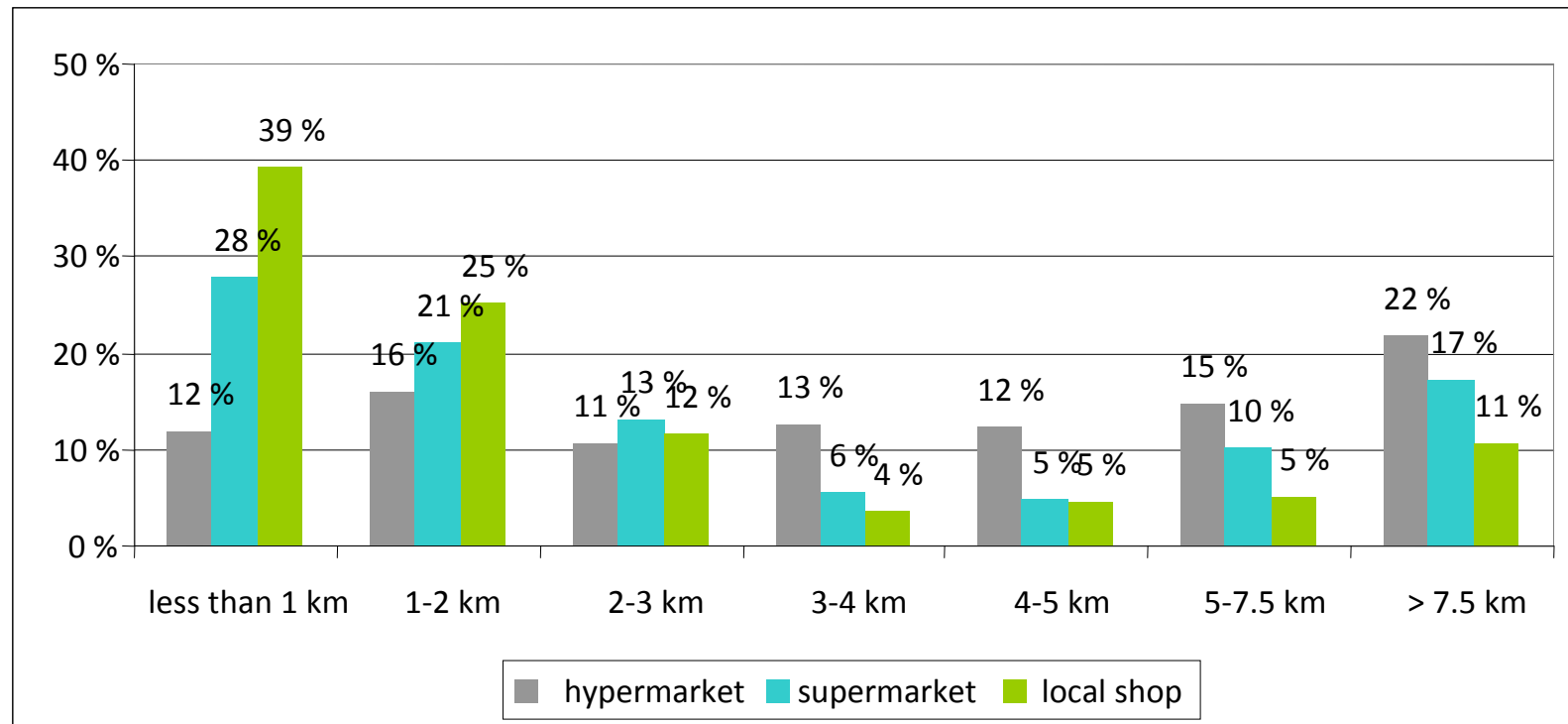
Modal split in major urban regions in Finland (residents over 14 years of age)

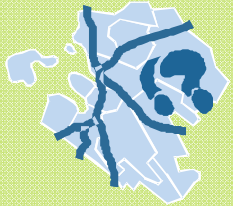




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2009

Distribution of trips lengths to grocery shops

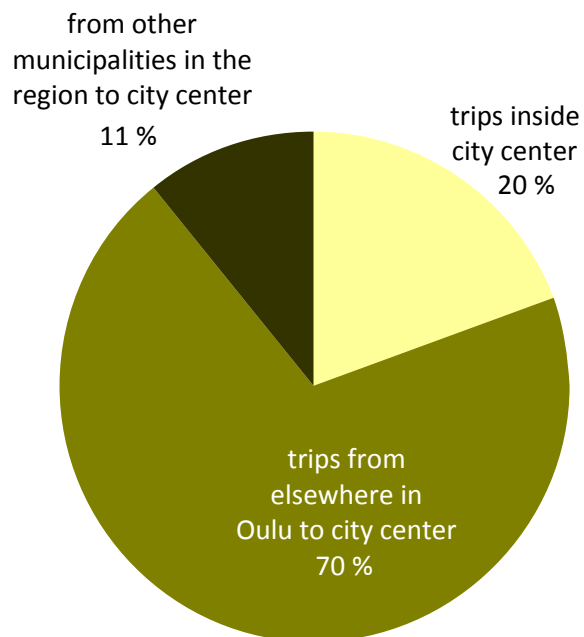




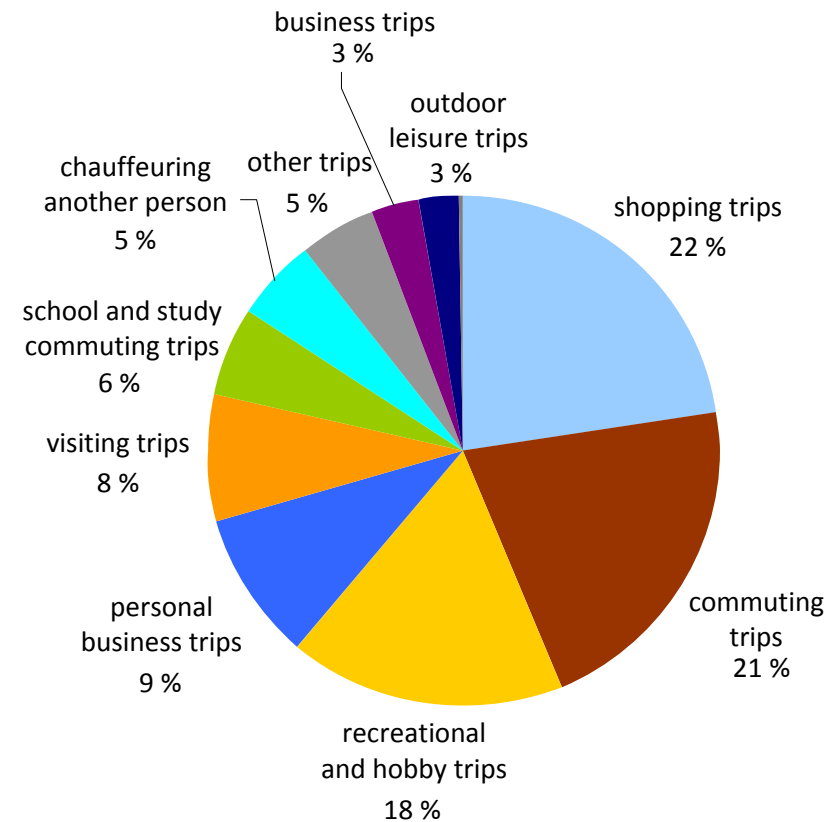
Oulu Region
Travel Survey
2009

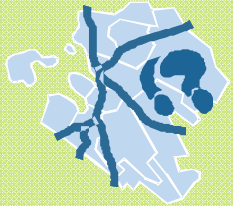
Trips to Oulu city center

Distribution of trips
to city center



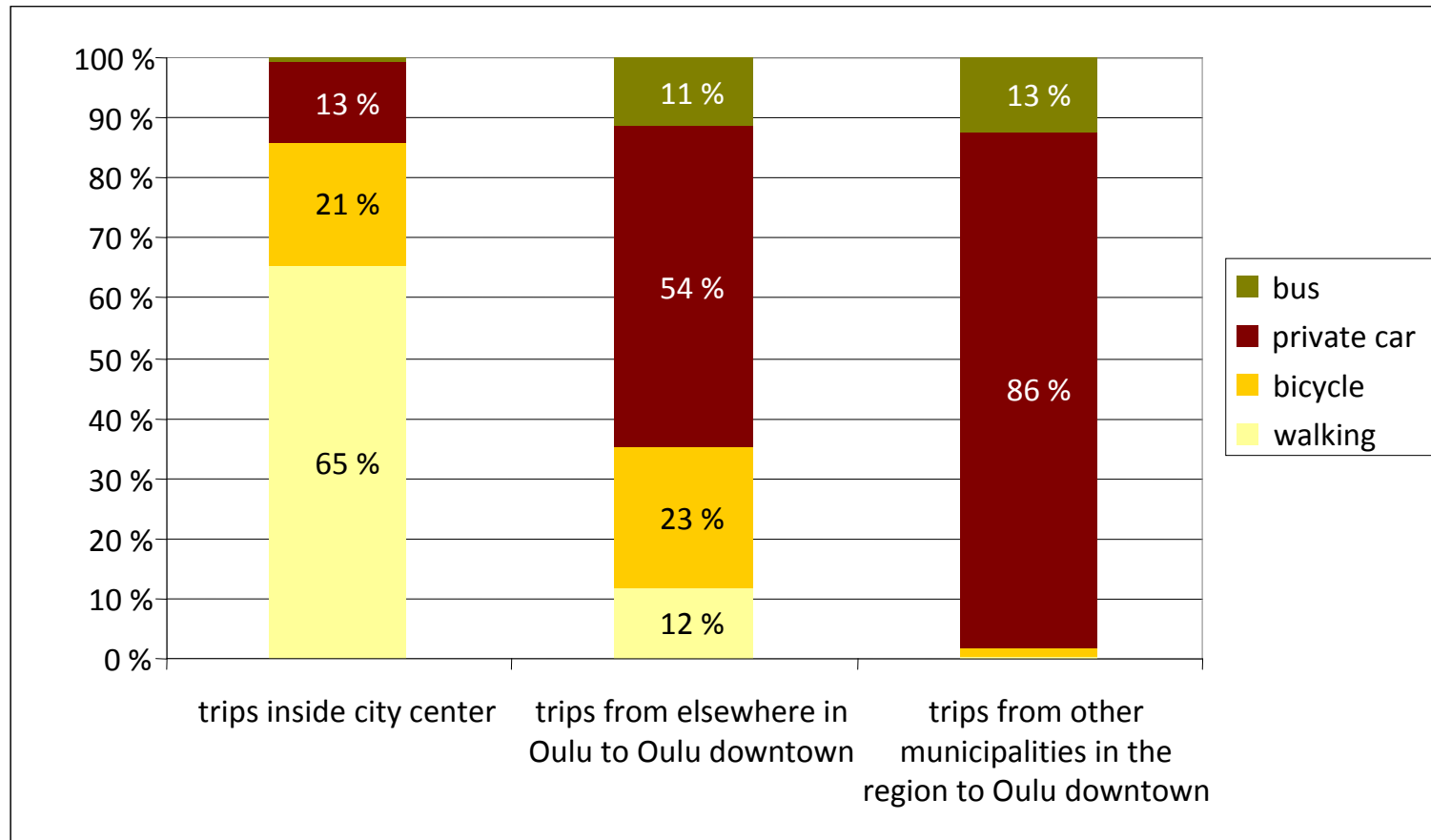
Purposes of
trips to city center

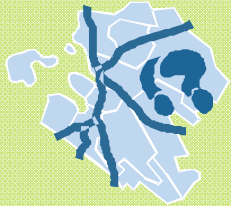




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Travel Survey
2009

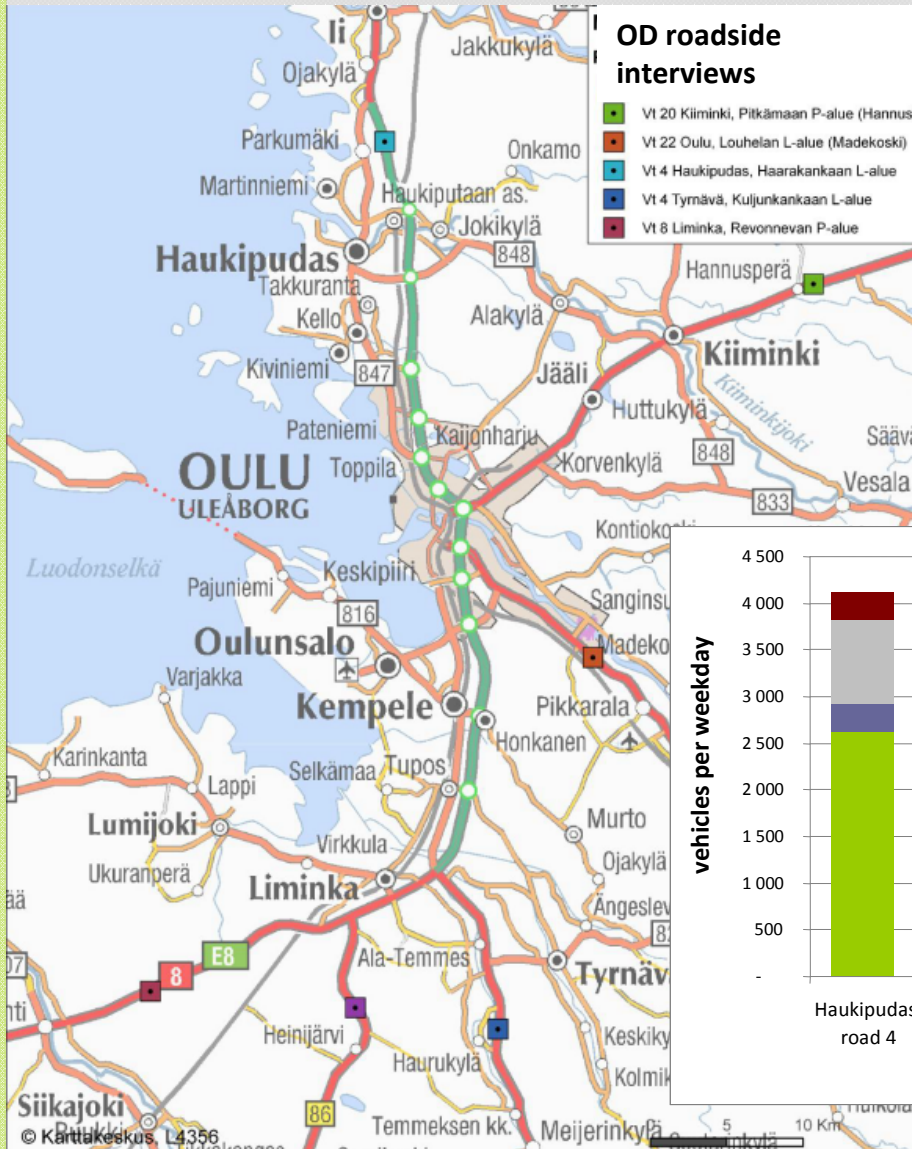
Trips to Oulu downtown: modes of travel



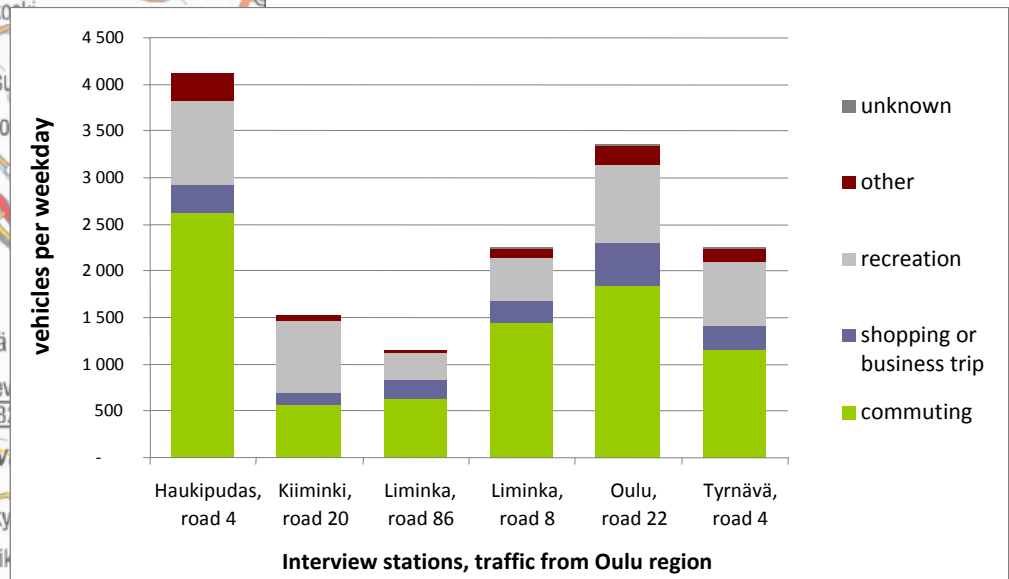


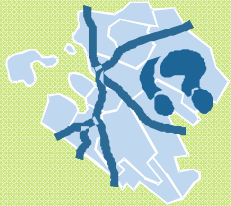
Oulu Region
Travel Survey
2009

Origin-destination survey of vehicle traffic: interview stations of roadside interviews



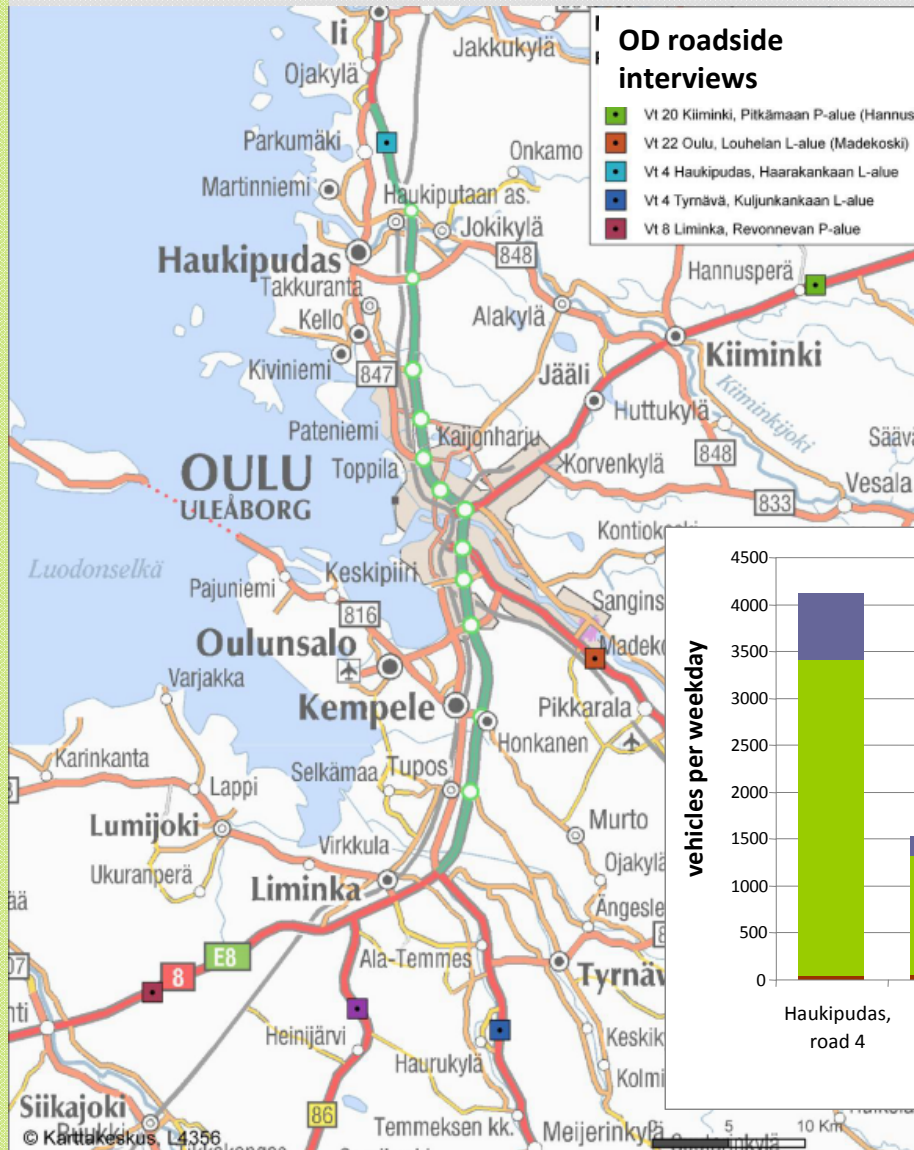
Purposes of trips from Oulu region at roadside interview stations



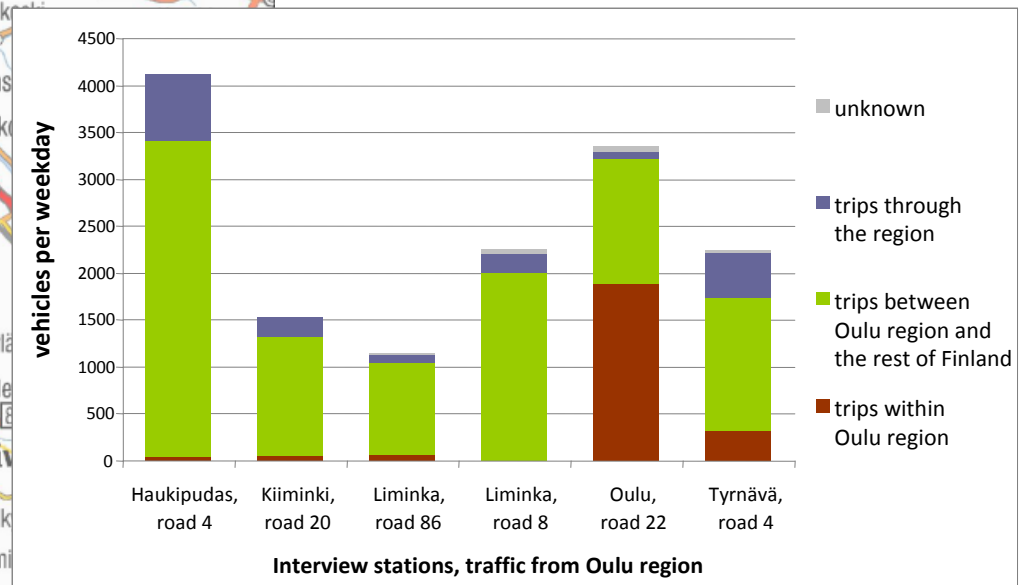


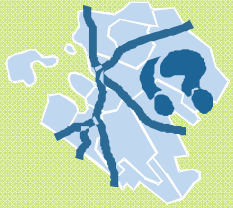
Oulu Region
Travel Survey
2009

Survey of vehicle traffic: interview stations of roadside interviews



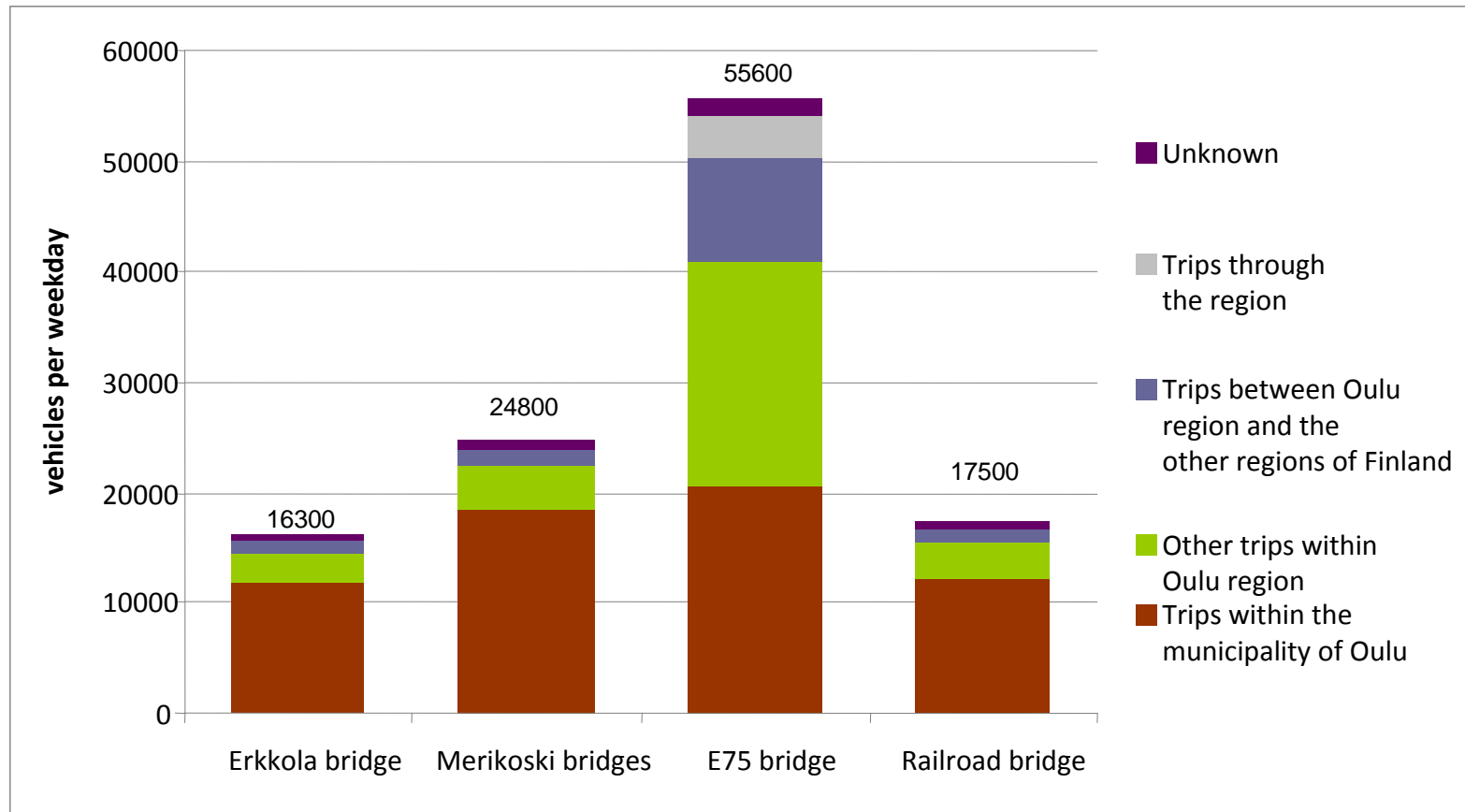
Character of trips from Oulu region at roadside interview stations

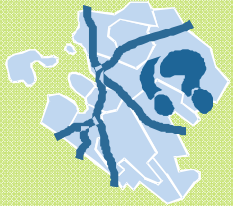




Oulu Region
Travel Survey
2009

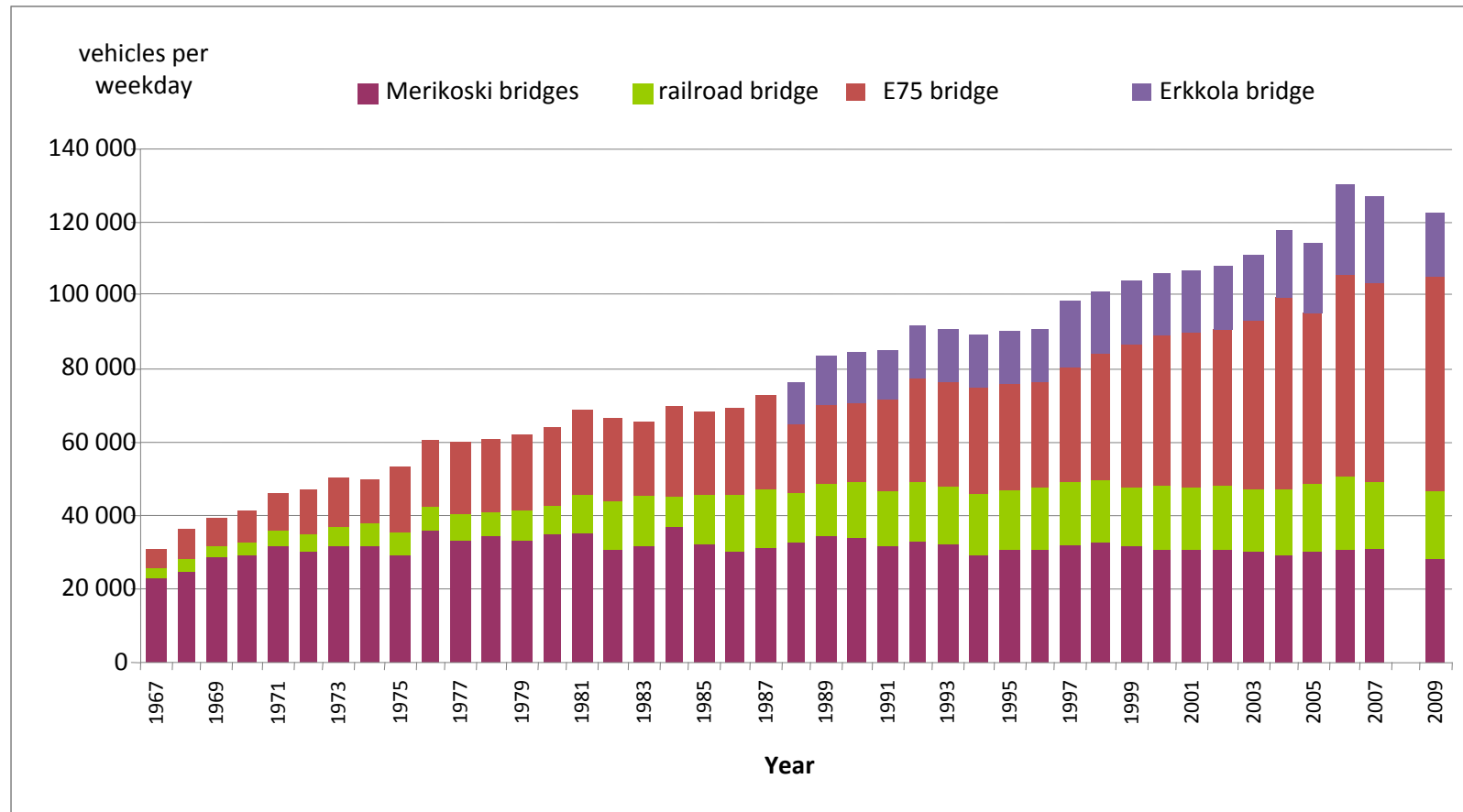
The locality of trips on bridges crossing River Oulu

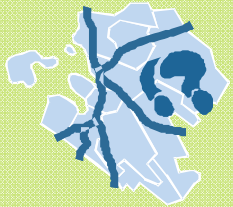




Oulu Region
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Traffic volume trends of bridges crossing River Oulu





Oulu Region
Travel Survey
2009

Reports of the travel survey (in Finnish)

All reports are available in www.ouka.fi/seutu/liikenne.html

Detailed reports 1-3

The collage displays three detailed report covers for the Oulu Region Travel Survey 2009. The top-left cover is 'Osaraportti 3 Liikennelaskennat' (Part 3: Traffic Accounting), featuring a street scene with traffic lights. The top-right cover is 'Osaraportti 2 Ajoneuvoliikenteen määräpaikkatutkimus' (Part 2: Vehicle Traffic Volume Survey), showing a road with traffic cones and workers. The bottom cover is 'Osaraportti 1 Henkiloliikennetutkimus' (Part 1: Personal Transport Survey), showing a street scene with traffic lights. Each cover includes the Oulu Region Travel Survey 2009 logo and a 'Yhteenveto' (Summary) section with numbered tabs 1, 2, and 3. The bottom cover also includes the text 'Oulun seutu - Pohjois-Pohjan ELY-keskus - Liikenne- ja viestintäministeriö' and the year '2010'.

Summary report

The summary report cover for the Oulu Region Travel Survey 2009 features the title 'Yhteenvetorasaportti Liikenteen nykytila Oulun seudulla' (Summary Report: Current State of Transport in the Oulu Region). It includes a collage of images showing a street scene with traffic lights and a train. The cover has a 'Yhteenveto' (Summary) section with numbered tabs 1, 2, and 3. At the bottom, it includes the text 'Oulun seutu - Pohjois-Pohjanmaan ELY-keskus - Liikenne- ja viestintäministeriö' and the year '2010'.