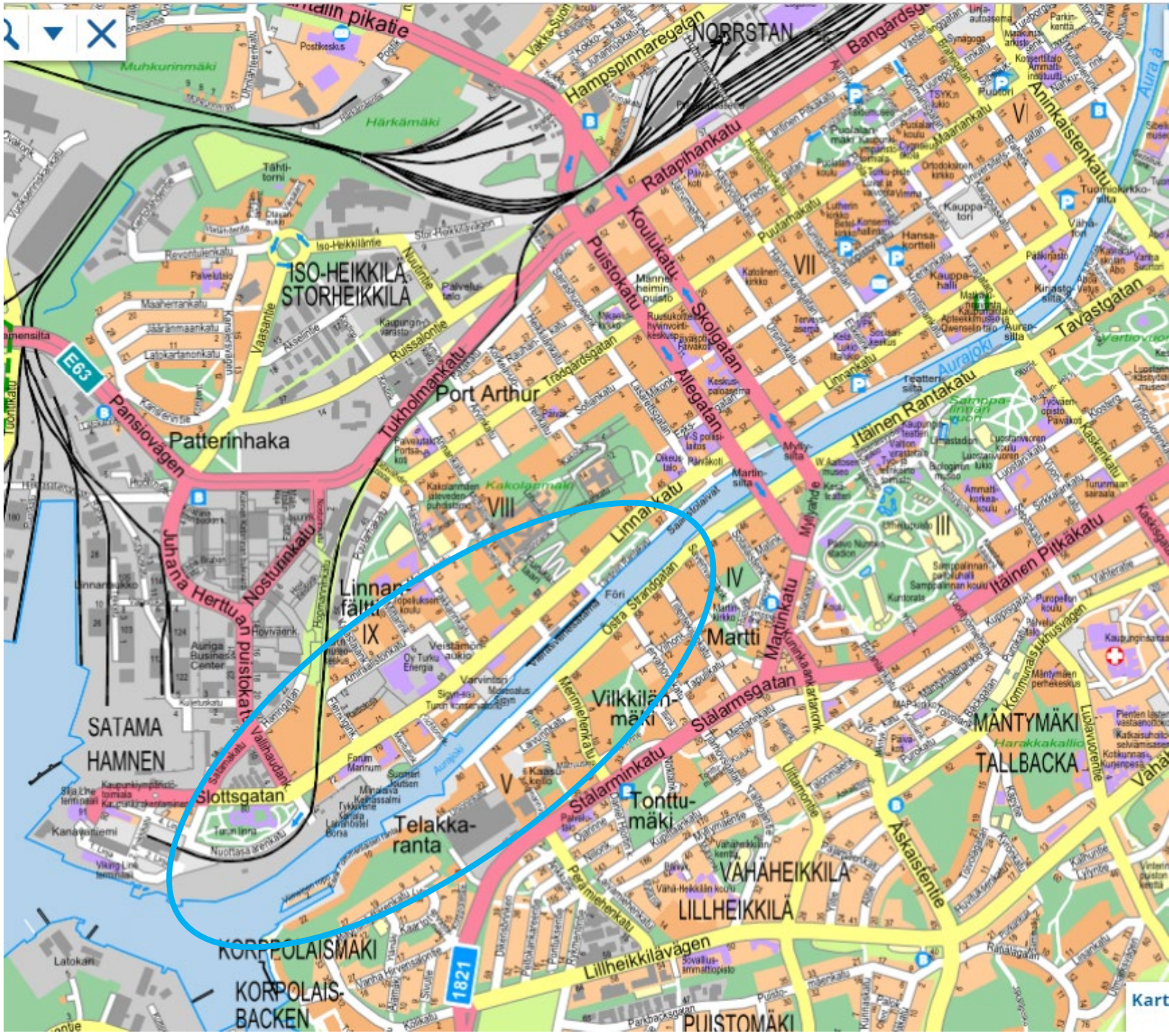
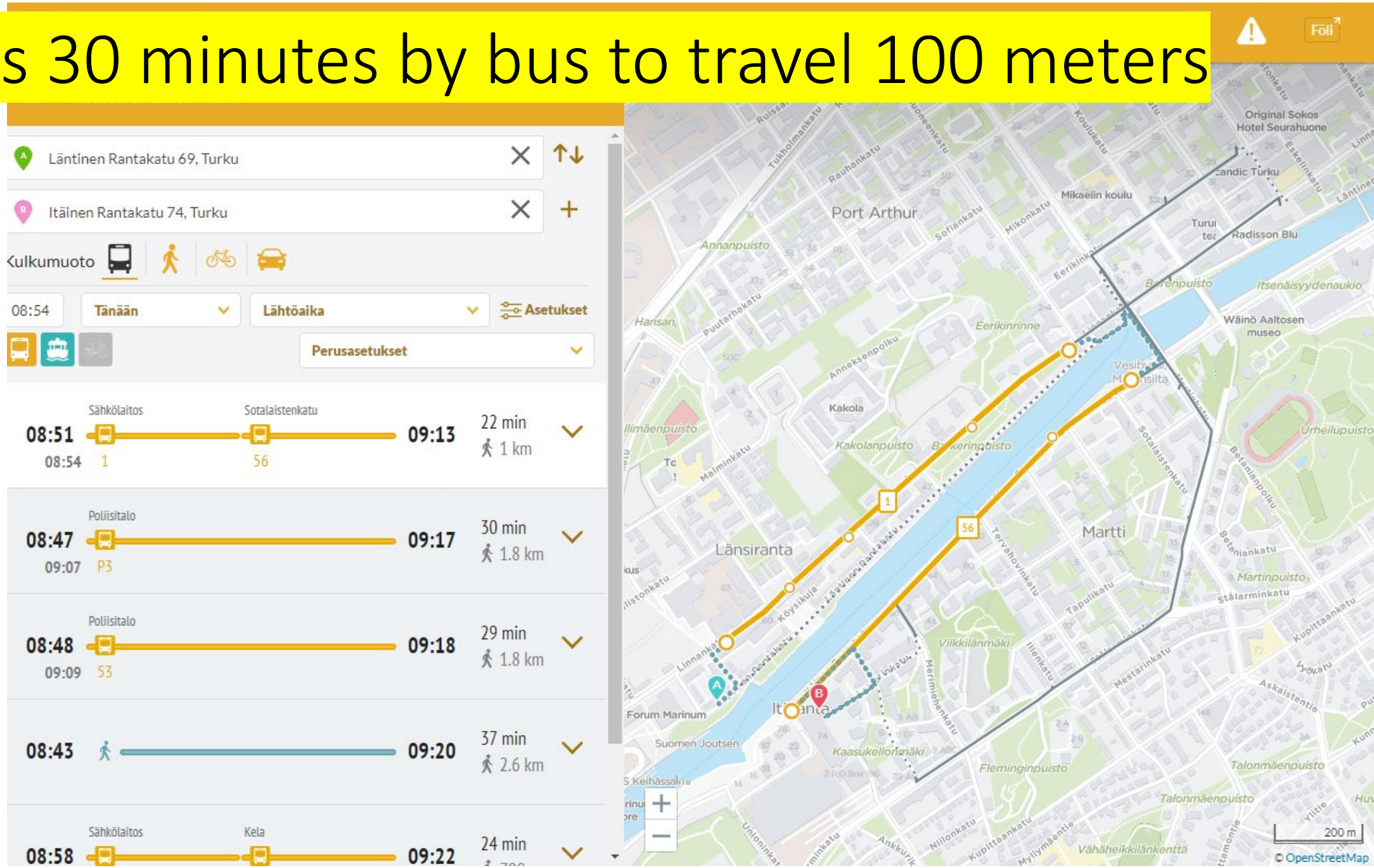
WORKSHOP: How can we move people sustainably across the Aura river?

TUAS, 2019-08-23

We need a traffic solution for the downriver area



It takes 30 minutes by bus to travel 100 meters



Why bridges may not be the solution

- Turku is not unique. Most old cities are built around rivers or water.
- Trend everywhere has been to add bridges
  - Bridges are expensive to build, but very cheap to maintain over decades

- Bridges decrease congestion, but increase traffic. Vicious cycle.
  - More cars → more bridges needed → more cars can fit → more bridges needed → …
  - Turku has just one bridge at the end of the 19th century. Now 9… and congestion is getting worse.

Could we do something differently?

- List solutions you have seen or used around the world
  - What technology? How frequent was the service? How much did it cost (to the customer)? How useful was it?

- Take a city you know well. Design an autonomous ferry system for it
  - Assume current technology. From where to where? How frequent? How many passengers? What cost? What happens in severe weather?
  - Assume that the ferry service could be automated. How would this change things?
  - Design a marketing campaign to get people to use the automated ferry. How would you address their fears of the unknown technology?