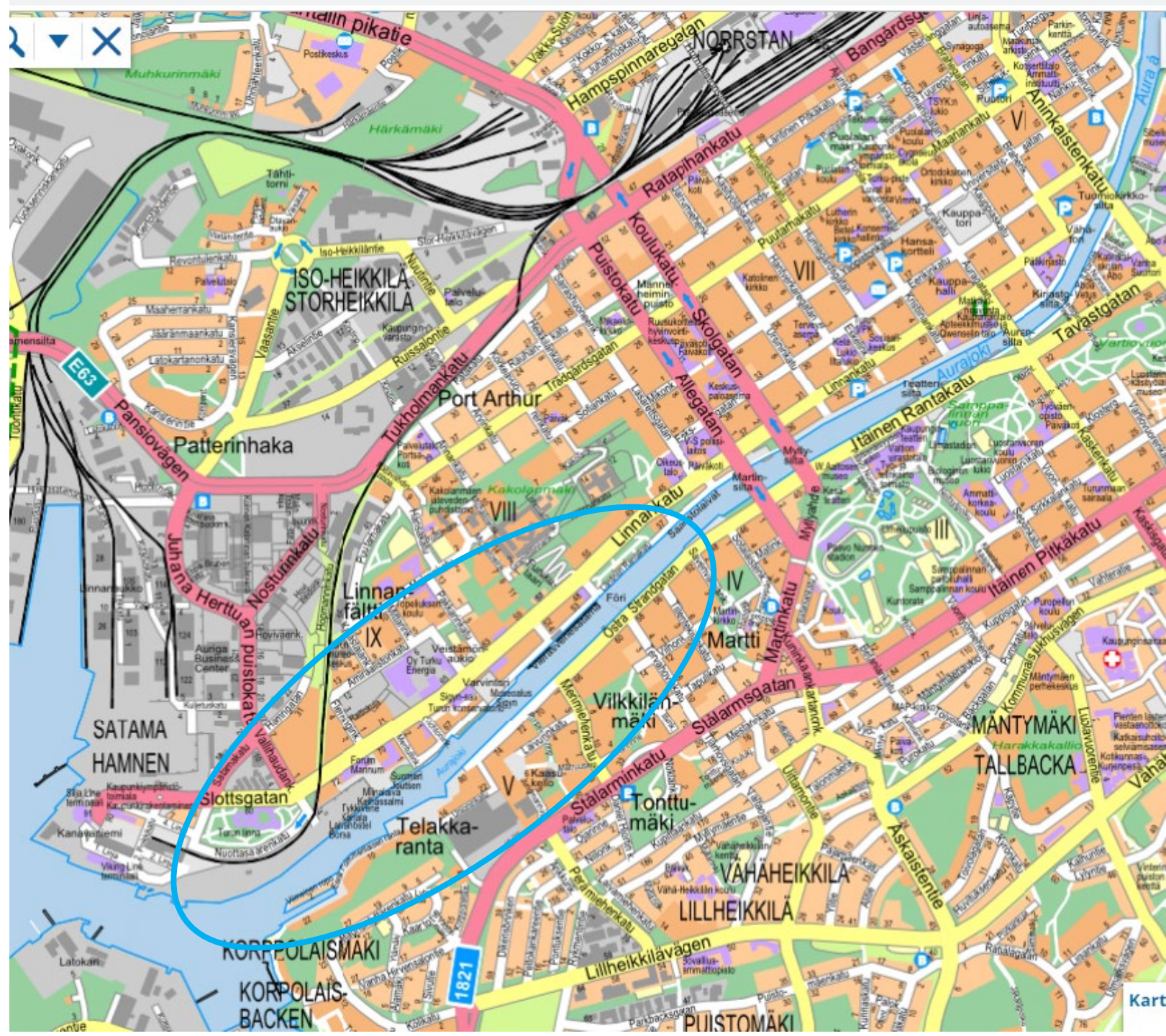


WORKSHOP: How can we move people sustainably across the Aura river?

TUAS, 2019-08-23

We need a traffic solution for the downriver area



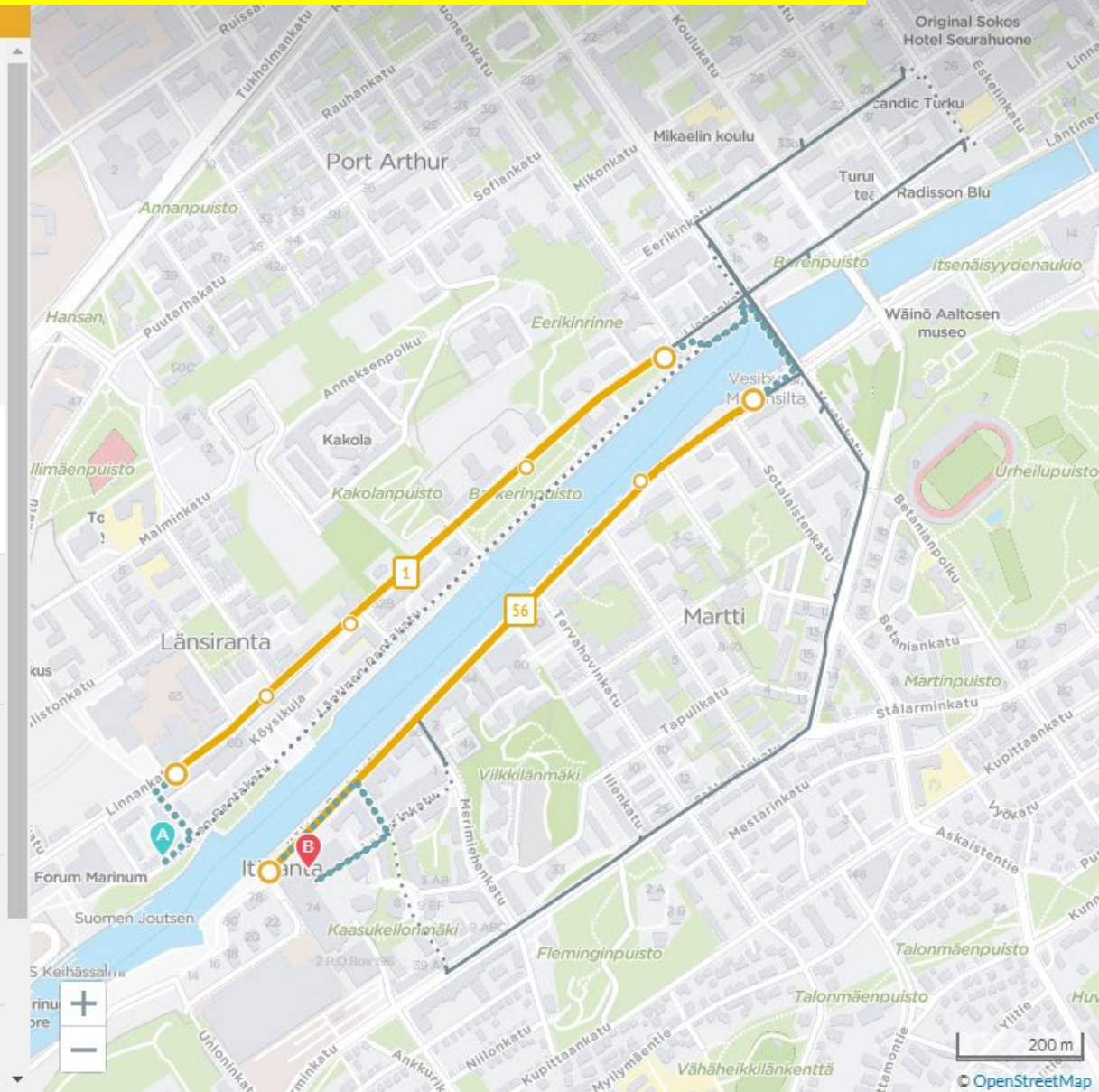
It takes 30 minutes by bus to travel 100 meters

Search results for a bus route from **Läntinen Rantakatu 69, Turku** to **Itäinen Rantakatu 74, Turku**.

Mode: **Culkumuoto** (Bus selected)

Time: 08:54, Today (Tänään), Departure (Lähtöaika)

Time	Route	Duration	Distance
08:51	Sähkölaitos → Sotalaistenkatu	22 min	1 km
08:47	Poliisitalo	30 min	1.8 km
08:48	Poliisitalo	29 min	1.8 km
08:43	Walking	37 min	2.6 km
08:58	Sähkölaitos → Kela	24 min	1.7 km



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?