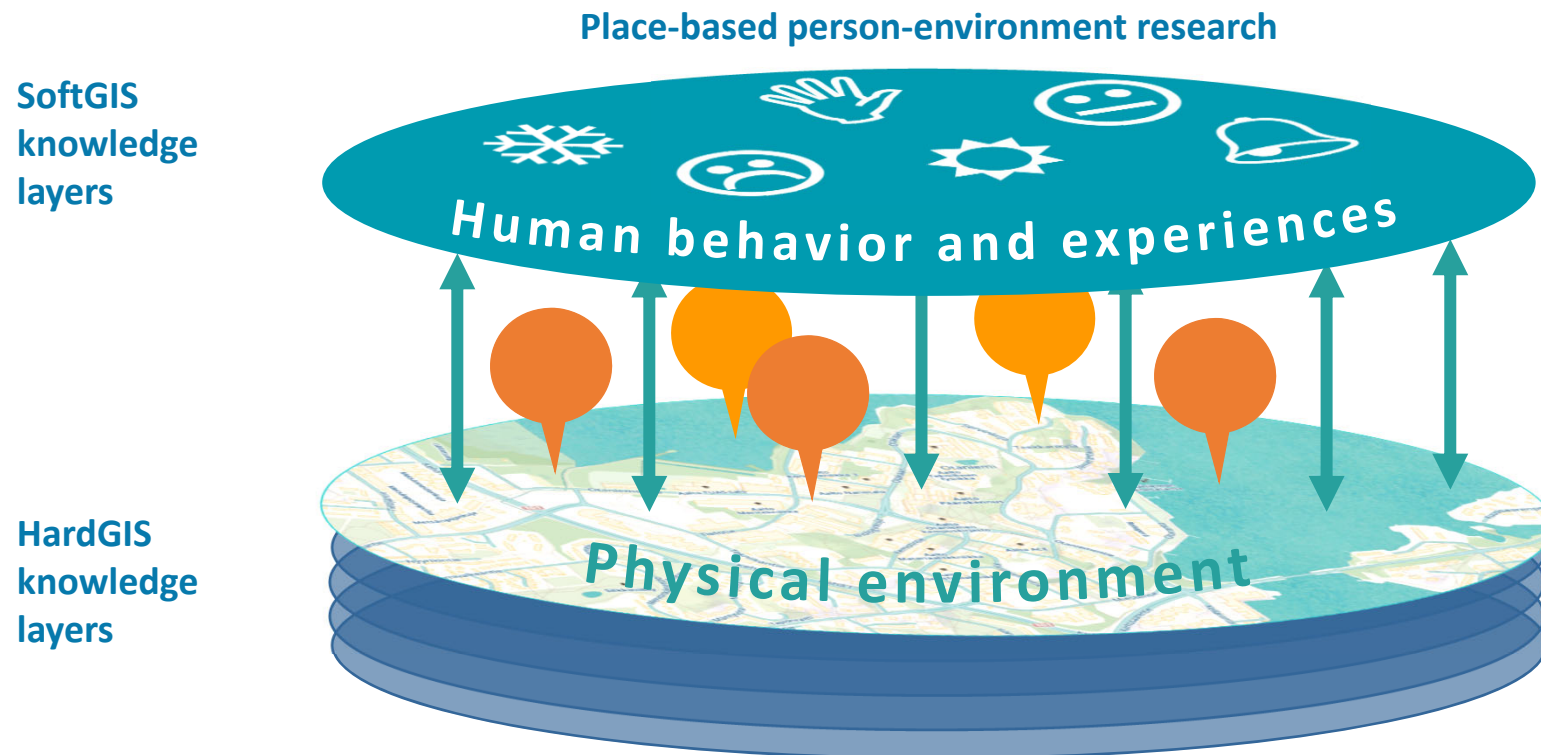


Mobility Management and the Needs of Residents in Port Cities, A Participatory Approach

HUPMOBILE Work Package 3

Marketta Kyttä & Samira Ramezani,
Aalto University

The use of participatory planning GIS tool to collect data on everyday mobility, experiences, attitudes, and preferences in port cities



Why "softGIS" knowledge?

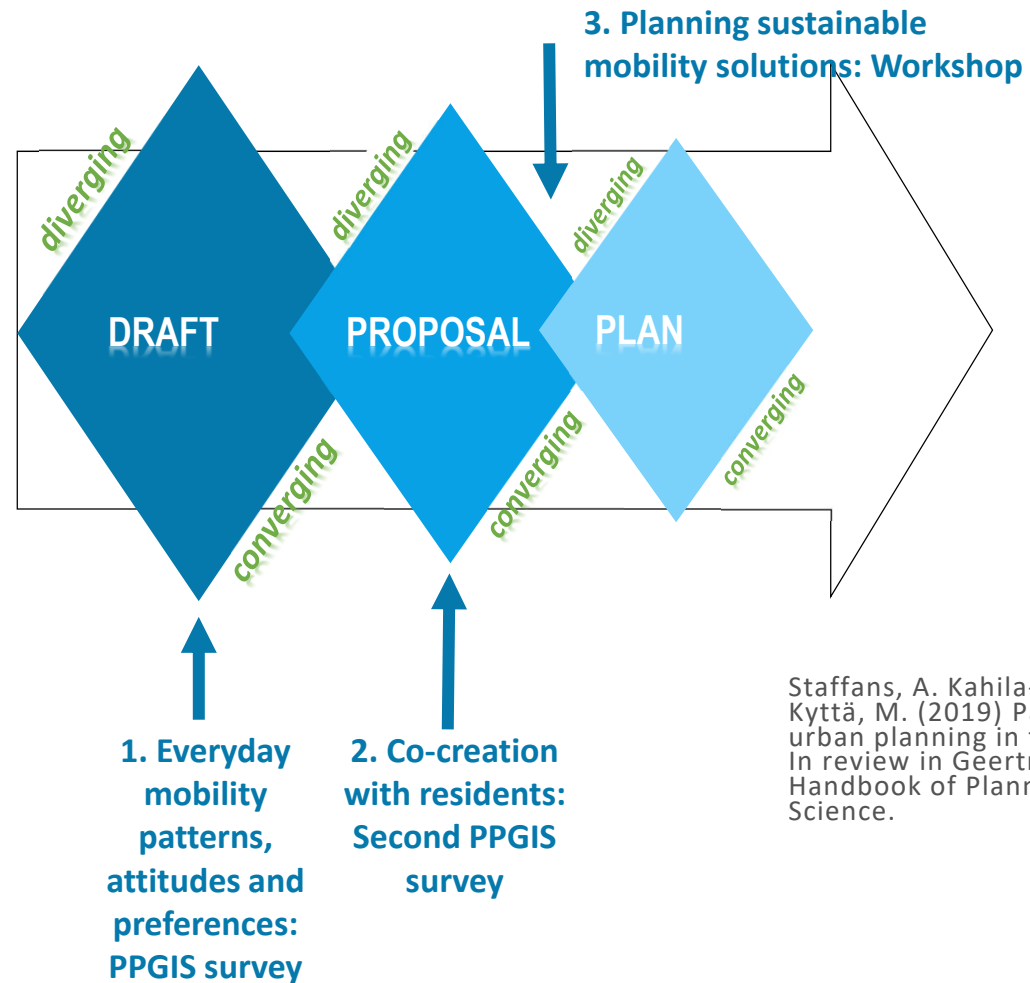
The analysis of
"soft" geographical
information
together with
"hard" GIS
knowledge



Linking the user
knowledge to
planning and design
solutions and
making large-scale
participation
possible

What are residents' experiences of services, what service and facility improvements different segments of residents want, and where they want them?!

Participatory approach: Not a single solution but a process to be adapted for achieving context sensitive solutions



Staffans, A. Kahila-Tani, M. & Kyttä, M. (2019) Participatory urban planning in the digital era. In review in Geertman, S. (ed.) Handbook of Planning Support Science.

The Case of City of Turku: general travel patterns and preferences

My daily travel

Now, we would like to ask you to think about a typical week in your everyday life.

Please mark on the map your common destinations in Turku and its surroundings to which you travel during a typical week.

Please map all kinds of destinations that apply. You may report more than one place under each category if you wish.

- Work or study place
- Place to spend free time
Recreation, sport, visiting others, restaurants, etc.
- Shopping
Grocery stores, shopping malls, markets etc.
- Day care, kindergarten, or school
Place where you bring your children to
- Personal errands and services
Visiting bank, post office, health care, etc.

Work or study place

During winter time, what is the primary mode of transportation you usually use to visit this place?

...

Other? Please specify:

During other seasons, what is the primary mode of transportation you usually use to visit this place?

...

Other? Please specify:

How often do you travel to this place?

...

Save

Your opinions about travel

Important neighborhood features 1/2

Background information 1/2

Please let us know a bit more about you. The results will be handled confidentially and no single respondent can be identified.

Gender

...

Age

...

Highest level of completed education

...

What best describes your employment status?

...

Household type

...

Monthly available household income (after taxation)

...

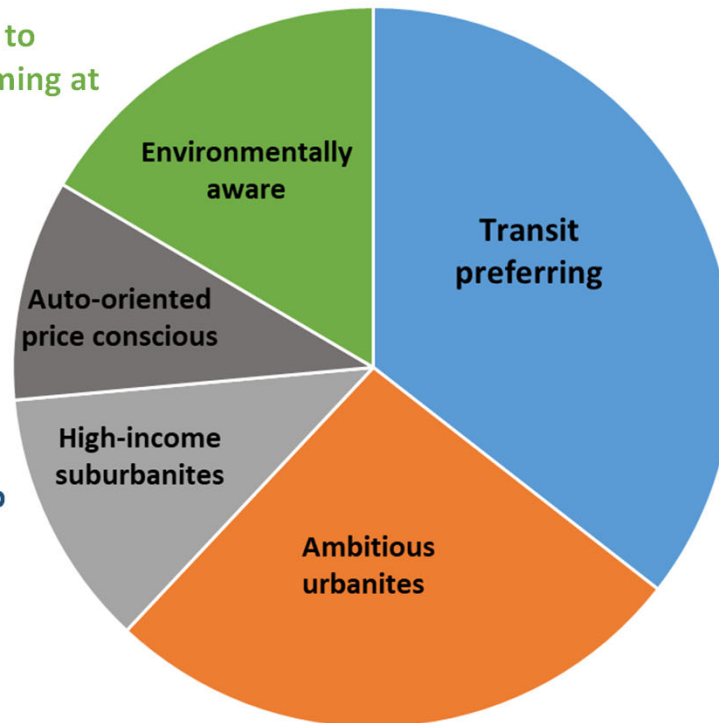
Results to be used by planners and policy makers

Grouping residents

What segments of population to target for different policies aiming at increasing sustainable travel behavior:

Information campaigns targeting the auto oriented?!

Attracting residents with a high interest in transit or who shop locally to newly developed TOD neighborhoods?!



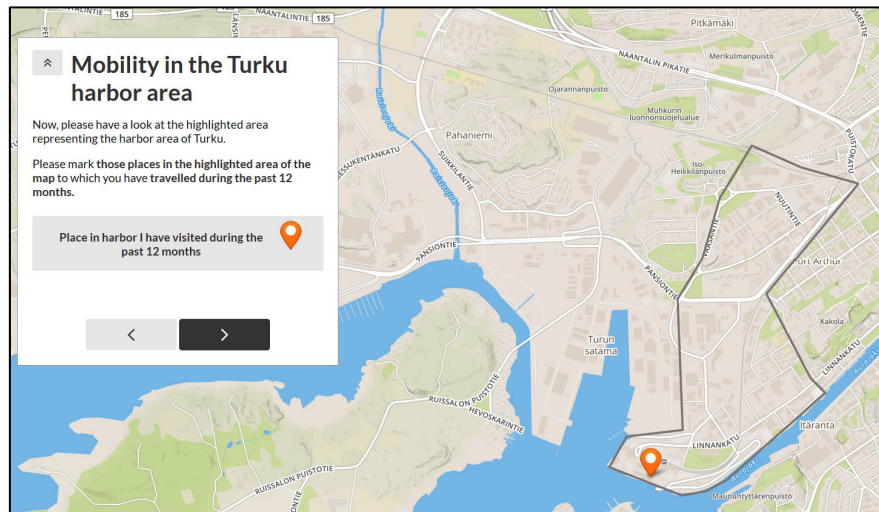
What are the characteristics of different groups of residents, where do these different groups reside, and where do they travel?

What improvements in services and facilities these different segments want?

Which current neighborhoods have the potential to increase the use of sustainable travel modes if facilities and services are improved?

The case of City of Turku: more context-based issues

What mobility service and facility improvements to provide and where!



What is your main purpose for visiting this place?

How often do you travel to this place?

What is the primary mode of transportation you usually use to visit this place?

Other? Please specify:

How satisfied are you in general with this primary mode of transport to this place?

☐ Not at all satisfied
☐ Not satisfied
☐ Neutral
☐ Satisfied
☐ Very much satisfied

If not satisfied, why?

What is your secondary mode of transport when travelling to this place?

Your use of possible mobility services in harbor area

If available, how likely it is that you would use the following mobility services when travelling to the harbor area?

	Not at all likely	Not likely	Neutral	Likely	Very likely
Public transport	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Bicycle sharing service (Föli bicycle)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Scooter sharing or electric bicycle service	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Car or ride sharing service	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Car rental service	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

If improvements in the walking and cycling infrastructure would be made, how likely it is that you would choose walking or cycling when travelling to the harbor area?

	Not at all likely	Not likely	Neutral	Likely	Very likely
Walking	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Cycling	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

The case of City of Turku: More context-based issues

What mobility service and facility improvements to provide and where!

The screenshot displays a web application interface for a survey on mobility service improvements in Turku. The background is a map of the city's archipelago. Three panels are overlaid on the map:

- Accessibility of the archipelago and other recreational areas:** This panel contains instructions for marking visited places and difficult-to-reach locations on the map. It includes three buttons: "Place I have visited during the past 12 months" (with a blue location pin icon), "This place is difficult to reach" (with a red location pin icon), and "New route to a place that I would like to visit" (with a blue line icon). Navigation arrows are at the bottom.
- Place I have visited during the past 12 months:** This panel asks for the main purpose of visiting, frequency of travel, and primary mode of transportation. It includes dropdown menus for each question and a text input for "Other? Please specify:". A "Save" button is at the bottom right.
- New route to a place that I would like to visit:** This panel asks for the preferred route type, with radio button options: Walking route, Bicycle route, Water bus route, City ferry (Föri), Public transportation route, Bicycle and pedestrian bridge, and Driving route. It also has a text input for "Other? Please specify:". A "Save" button is at the bottom right.

Contact

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