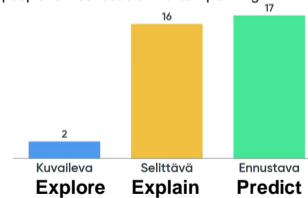


THE ONLINE AND ONSITE PPGIS DATA ANALYSIS

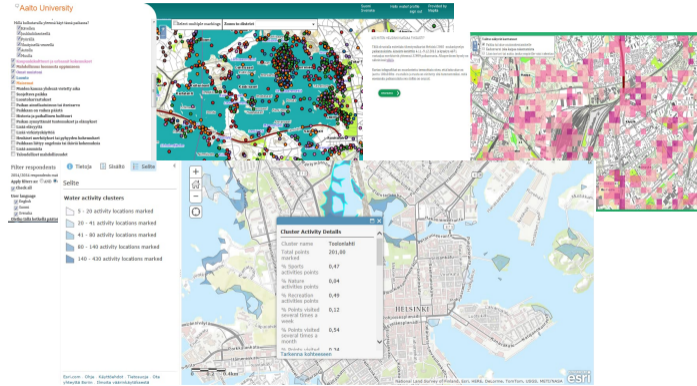
HOW DID THE URBAN PLANNERS VALUE VARIOUS LEVELS OF ANALYSIS?

Minkälainen asukastieto on mielestäsi hyödyllisintä yhdyskuntasuunnittelussa?

What kind of knowledge from people is most usable in urban planning

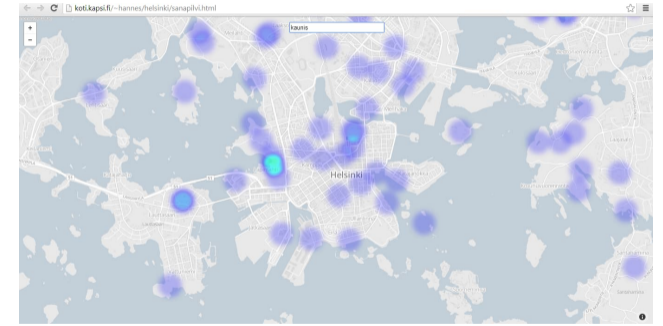


Online, interactive analysis tools



ONLINE AND ONSITE ANALYSIS

Online tool to analyse the qualitative data



<http://koti.kapsi.fi/~hannes/helsinki/sanapilvi.html>



- Pleasant place in the ELEC building
- Unpleasant place in the ELEC building
- Pleasant place in Undergraduate Centre
- Unpleasant place in Undergraduate Centre
- Jewel of the campus
- Driest place
- Well maintained place
- Poorly maintained place
- My most important route across the campus
- 0 / 4257

Other filters

Separate features

Point radius

5

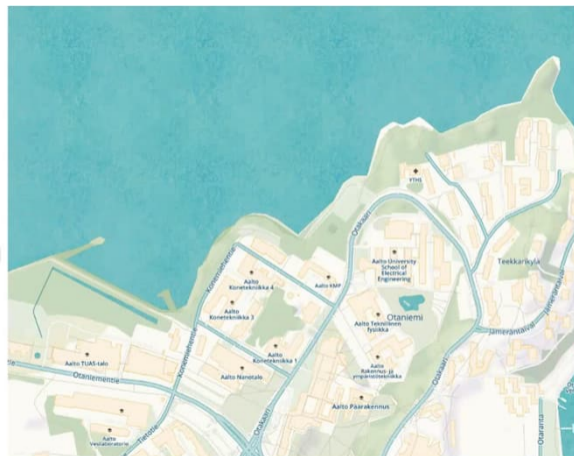
Line width

2

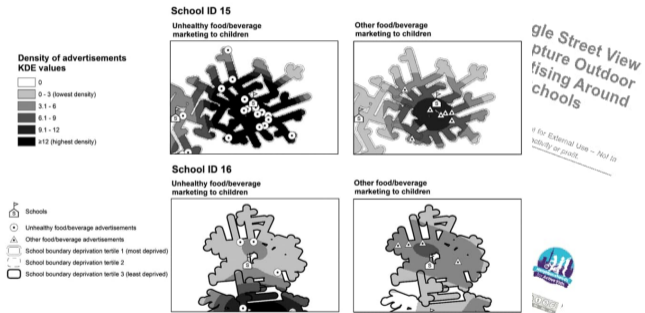
Opacity

0.45

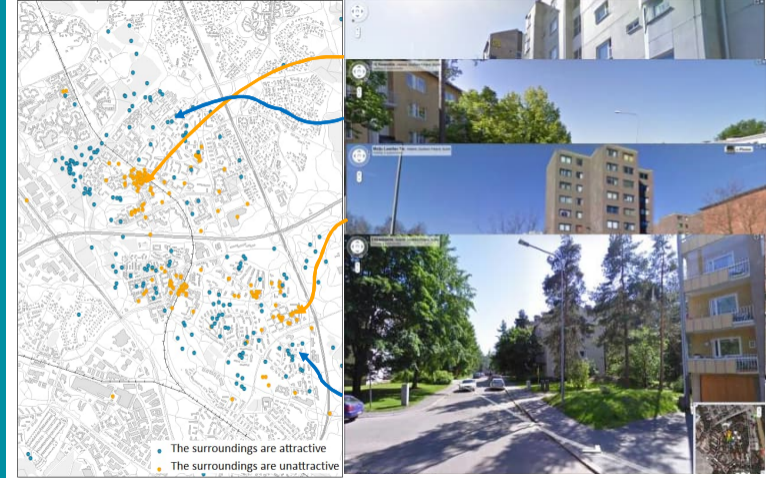
Browse popup responses



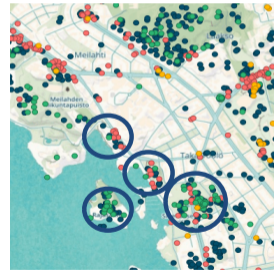
The systematic use of Google street view



FURTHER ANALYSIS OF THE CHARACTERISTICS OF URBAN SETTINGS

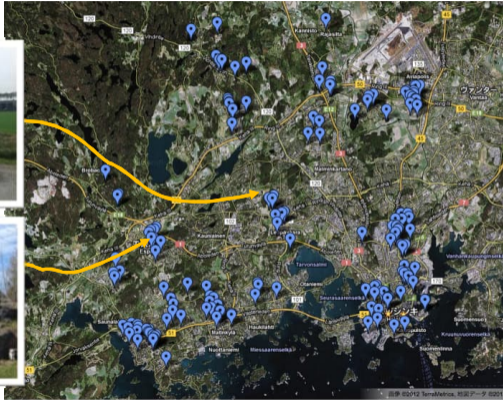


Classification of children's places (behavior settings)



Place function	Openness		Communality		Land use
	Indoor	Outdoor	Child-specific	Shared	
Shopping mall	*				Commercial
Small shop	*				Commercial
Bookstore	*				Commercial
Game/DVD shop	*				Commercial
Karaoke	*				Commercial
McDonald's/Restaurant	*				Commercial
School		*	*		Educational
Cram school		*			Educational
Library	*				Educational
Field					Nature
Forest					Nature
Beach					Nature
River bank					Nature
Pond					Nature
Biotope					Nature
Sports hall	*				Recreational
Sports field			*		Recreational
Park					Recreational
Parking lot					Traffic
Street					Traffic
Train station	*				Traffic
Vacant lot					Other
Construction site					Other
Shrine/church					Other

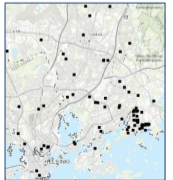
Expert audit



Hotspots by water: Expert audit & PPGIS data



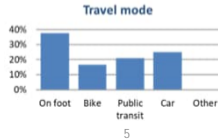
Aurinkolahti beach, (99 points)



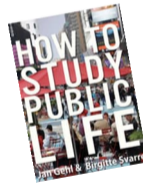
Home locations of visitors

Urban vs. rural	Urban	<input checked="" type="checkbox"/>
	Semi urban	<input type="checkbox"/>
	Rural	<input type="checkbox"/>
	Remote	<input type="checkbox"/>
Type of waterfront	Beach	<input type="checkbox"/>
	Rocky area	<input type="checkbox"/>
	Marsh and vegetation	<input type="checkbox"/>
	Open space or park	<input type="checkbox"/>
	Trail	<input type="checkbox"/>
	Square/plaza/urban public space	<input type="checkbox"/>
Type of water feature	Harbor	<input type="checkbox"/>
	Seashore	<input checked="" type="checkbox"/>
	Inland water (sea)	<input type="checkbox"/>
	River	<input type="checkbox"/>
Amenities	Lake	<input type="checkbox"/>
	Seating	<input checked="" type="checkbox"/>
	Showers	<input type="checkbox"/>
	Bathrooms	<input checked="" type="checkbox"/>
	Restaurants, bars or cafes	<input type="checkbox"/>
	Recreation areas, sports fields, docks, barbeque, etc.	<input checked="" type="checkbox"/>
	Shops	<input type="checkbox"/>
	Many nearby destinations/very urban	<input type="checkbox"/>

Recreation activities	62%
#1 Recreation activity	Visiting shop or restaurant
#1 Recreation activity %	38%
#2 Recreation activity	Relaxing near water
#2 Recreation activity %	35%
Sports activities	24%
#1 Sport activity	Swimming
#1 Sport activity %	13%
#2 Sport activity	Jogging
#2 Sport activity %	11%
Nature activities	14%
#1 Nature activity	Other nature observation
#1 Nature activity %	8%
#2 Nature activity	Hiking
#2 Nature activity %	6%

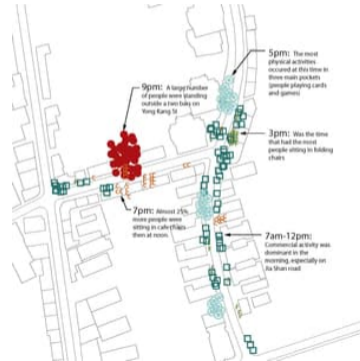


How to study public life?



<p>GENDER Applies to people staying and moving</p> <p>Example Questions:</p> <ul style="list-style-type: none"> Do all genders feel equally invited? Are the planned activities in accordance with the users of the place? Do gender minorities choose to walk in public at night? 	<p>AGE Applies to people staying and moving</p> <p>Example Questions:</p> <ul style="list-style-type: none"> How many children visit this place? Do the people on the street match the census data for the area? Do the elderly have adequate facilities to spend time outside? 	<p>MODE Applies to people moving</p> <p>Example Questions:</p> <ul style="list-style-type: none"> What is the detailed mode-split across a street section? Is the street of the right width and surface type for the users? How many people move through the space at night? 	<p>GROUPS Applies to people staying and moving</p> <p>Example Questions:</p> <ul style="list-style-type: none"> How sociable are the people staying within this place? Does the urban furniture provide opportunities for groups to meet? Do people need space to walk in pairs?
<p>POSTURE Applies to people staying</p> <p>Example Questions:</p> <ul style="list-style-type: none"> Do people feel comfortable lying down and sitting within the space? Are there invitations for people to rest? How do people use the urban furniture and other elements within the space? 	<p>ACTIVITIES Applies to people staying and moving</p> <p>Example Questions:</p> <ul style="list-style-type: none"> Are people engaged in a single activity or multiple activities? Are the activities that people spend time doing optional or necessary? What is the diversity of activities? 	<p>OBJECTS Applies to people staying and moving</p> <p>Example Questions:</p> <ul style="list-style-type: none"> How many of the pedestrians are also walking a dog? Do people carry their own chairs or blankets into the space? Are bicyclists wearing helmets? 	<p>GEOTAG Applies to people staying</p> <p>Example Questions:</p> <ul style="list-style-type: none"> Which corners of the space are more popular for people to spend time in? Are some kinds of urban furniture more popular than others? What is the impact of shade and sun?

Urban analysis a la Jan Gehl



Observations about urban life

Gehl's 12 quality criteria

Protection	<p>PROTECTION AGAINST TRAFFIC AND ACCIDENTS — FEELING SAFE</p> <ul style="list-style-type: none"> Protection for pedestrians Eliminating fear of traffic 	<p>PROTECTION AGAINST CRIME AND VIOLENCE — FEELING SECURE</p> <ul style="list-style-type: none"> Lively public realm Eyes on the street Overlapping functions day and night Good lighting 	<p>PROTECTION AGAINST UNPLEASANT SENSORY EXPERIENCES</p> <ul style="list-style-type: none"> Wind Rain/snow Cold/heat Pollution Dust, noise, glare
Comfort	<p>OPPORTUNITIES TO WALK</p> <ul style="list-style-type: none"> Room for walking No obstacles Good surfaces Accessibility for everyone Interesting façades 	<p>OPPORTUNITIES TO STAND/STAY</p> <ul style="list-style-type: none"> Edge effect/ attractive zones for standing/staying Supports for standing 	<p>OPPORTUNITIES TO SIT</p> <ul style="list-style-type: none"> Zones for sitting Utilizing advantages: view, sun, people Good places to sit Benches for resting
	<p>OPPORTUNITIES TO SEE</p> <ul style="list-style-type: none"> Reasonable viewing distances Unhindered sightlines Interesting views Lighting (when dark) 	<p>OPPORTUNITIES TO TALK AND LISTEN</p> <ul style="list-style-type: none"> Low noise levels Street furniture that provides "talkscapes" 	<p>OPPORTUNITIES FOR PLAY AND EXERCISE</p> <ul style="list-style-type: none"> Invitations for creativity, physical activity, exercise and play By day and night In summer and winter
Delight	<p>SCALE</p> <ul style="list-style-type: none"> Buildings and spaces designed to human scale 	<p>OPPORTUNITIES TO ENJOY THE POSITIVE ASPECTS OF CLIMATE</p> <ul style="list-style-type: none"> Sun/shade Heat/coolness Breeze 	<p>POSITIVE SENSORY EXPERIENCES</p> <ul style="list-style-type: none"> Good design and detailing Good materials Fine views Trees, plants, water



YOU NAME IT...



Visualizing ideas
based on
your analysis

(Here: Sirkku Huisko)

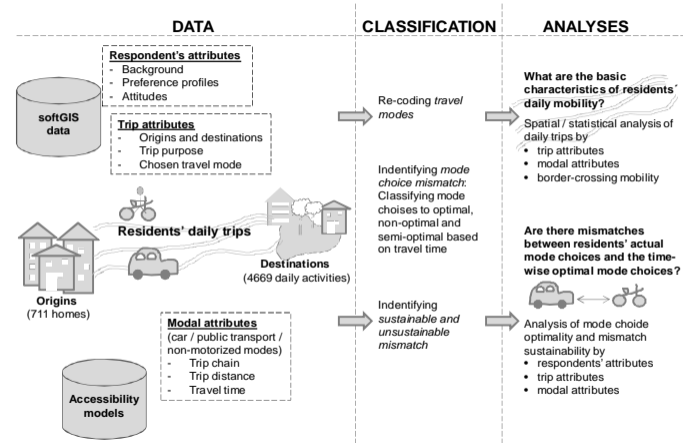


Data analysis plan...

Here:
Everyday Urbanity project
case Kuninkaankolmio

IT MIGHT BE A GOOD IDEA TO DO

...



FIRST!

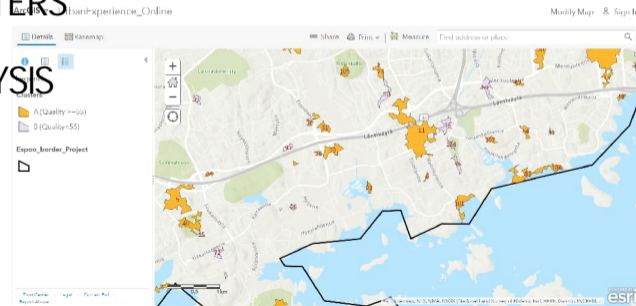
CHOOSE A GROUP

Please form groups of 4-5 persons by using the grouping tool in MyCourses



SECOND!

CHOOSE 2-4 CLUSTERS FOR ANALYSIS



THIRD!

DESIDE TOGETHER WHAT KIND OF ANALYSIS YOU WILL DO

THE OPTIONS ARE MANY.



You can for example analyze THE CHARACTERISTICS OF THE PLACES BY DOING:

1. GIS-analysis or visualization and compare the land use in the clusters that you have chosen and analyze e.g.:

- Mixed land use
- Density level
- Intersection density
- Green structure proportion
- Something else...

3. Deeper analysis of the site characteristics

Get additional information about the characteristics of the site for example by:

- Realizing an expert audit, systematically observing the characteristics of the site
- Using Google street views to analyze the characteristics of the site
- Realizing a historical analysis of the site
- Something else...

SOME POSSIBILITIES FOR THE ANALYSIS TASK

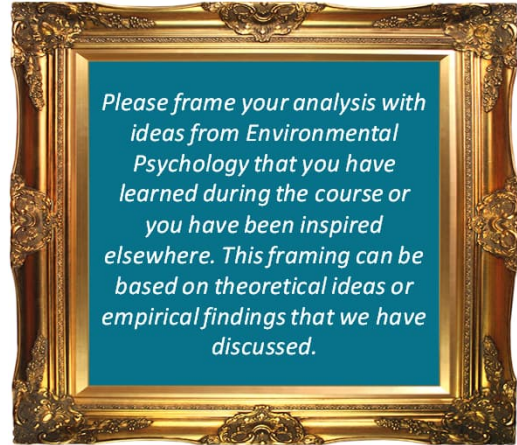
... or can also deepen the understanding of place experiences of people by e.g:

- Realizing behavior mapping a la Jan Gehl and observing how people use the site
- Realizing interviews among the users of the site: for example short street interviews or walk along interviews might be doable
- Making a video on the site and how it is used
- Something else...

...or you can concentrate on thinking how the mapped place experiences of people could inform urban design and planning

Do improvement suggestions based on the place experiences by people

Feel free to come up with more options!



Please frame your analysis with ideas from Environmental Psychology that you have learned during the course or you have been inspired elsewhere. This framing can be based on theoretical ideas or empirical findings that we have discussed.

SOME TIPS

It is important to reflect both the experiences of people and the characteristics of settings.

Please make a presentation about your work for the last session.

The presentation can be about 10-15 min long, you cannot exceed this time!



Summary

Find your unique way to address the analysis challenge.

Divide tasks!

Do an analysis plan!

Find links to the relevant research literature

Help from Tiina and myself will be available!

