Urban Experience

2.2.2021

SPT-E5020

Marketta Kyttä

Photo: Bigstock

	12.1.	19.1.	26.1.	2.2.	9.2.	16.2.	23.2
What happens?	Start of the course	Lectures & group work presentations	Lectures & group work presentations	Lecture & group work	Lecture & group work	Lecture & group work	Final session
Teaching mode	Online	Online	Online	Hybrid	Hybrid	Hybrid	Online
Contents of contact session	Introduction	Perceived safety	Sense of Community	Knowledge from people in planning	Socially sustainable and health promoting environment	Various urban user groups	Final rehearsal?
	Student's pre-tasks concerning personally meaningful places	Child-friendly environments	Restorative environments	The preparation of PPGIS data for analysis	Activity space modelling	Age-friendly environments	
		Aesthetic Experiences	Place Attachment	Various levels of PPGIS data analysis	Urban walkability	From city streets to playgrounds and suburban woodlands	Final presen-tations
				Online and onsite PPGIS data analysis	Residential relocation and travel behavior change		
Group work	Group work 1 starts	Group work 1 presentations	Group work 1 presentations	Group work 2 starts	Group work 2	Group work 2	
Individual work							

TODAY

HOW TO USE DATA COLLECTED FROM PEOPLE?

PROGRAMME OF TODAY

Lectures

10.15-11.45

Marketta Kyttä: Knowledge from people in urban planning & design

Tiina Laatikainen: Preparation of PPGIS data for analysis

LUNCH

12.30-14.00

Kamyar Hasanzadeh: Various levels of PPGIS data analysis

Marketta Kyttä: The online and onsite analysis of PPGIS data

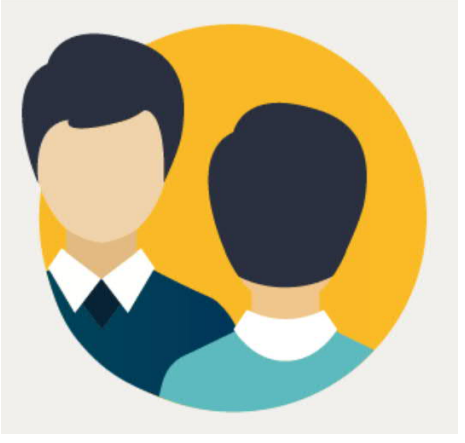
SECOND GROUP WORK STARTS

Formation of new, smaller groups

KNOWLEDGE FROM PEOPLE IN URBAN PLANNING & DESIGN

Traditional ways to gather knowledge from people

Public hearings



Interviews

Surveys

Observations

CRITERIA FOR GOOD LIVING ENVIRONMENT?

Sense of community

Safe

Close to nature

Peaceful

Dog friendly

Cozy

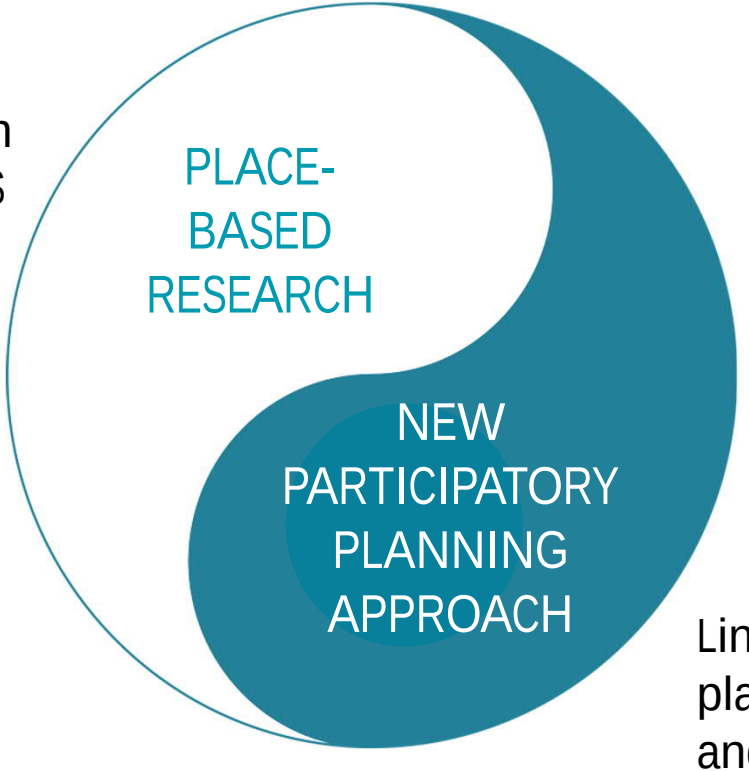
PLACE-BASED
PERSON-ENVIRONMENT RESEARCH

SoftGIS knowledge layers

HardGIS knowledge layers

WHY ”SOFTGIS” KNOWLEDGE?

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



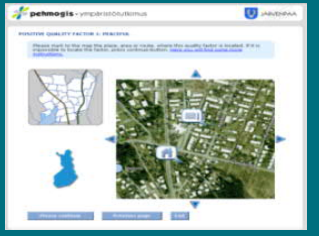
Linking the user knowledge to planning and design solutions and making large-scale participation possible

SOFTGIS STORY

IDEA:
New methodology for person-environment research and participatory urban planning

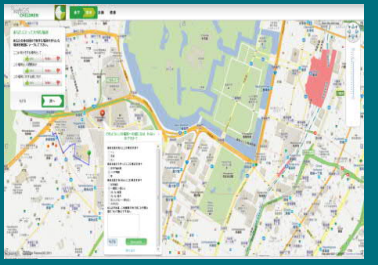
1990's

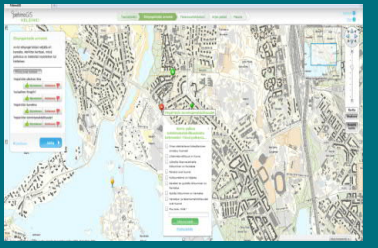
THE FIRST SOFTGIS PROTOTYPES
Technical development by students



2005

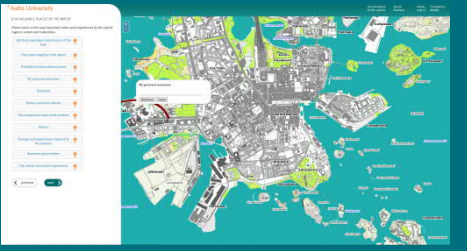
TAILORED SOFTGIS SURVEYS
Technical development by Aalto employees





2008

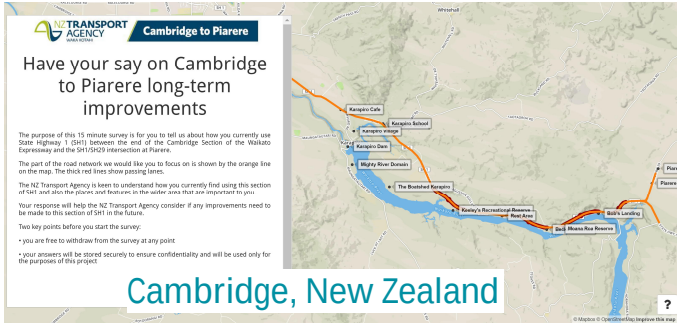
MAPTIONNAIRE SERVICE:
TOOLS FOR CREATING, PUBLISHING & ANALYZING PPGIS
Technical development and upkeep by Mapita Ltd

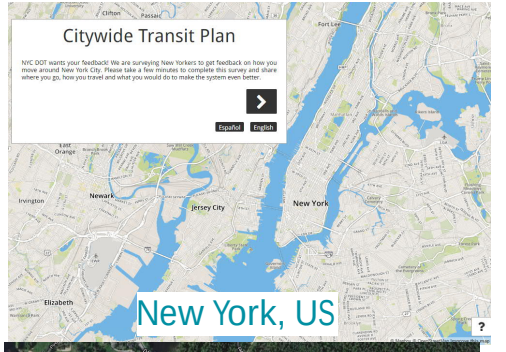


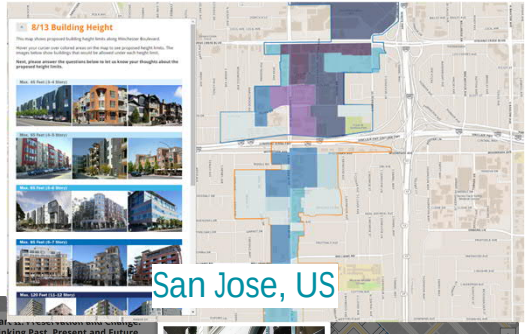
2011

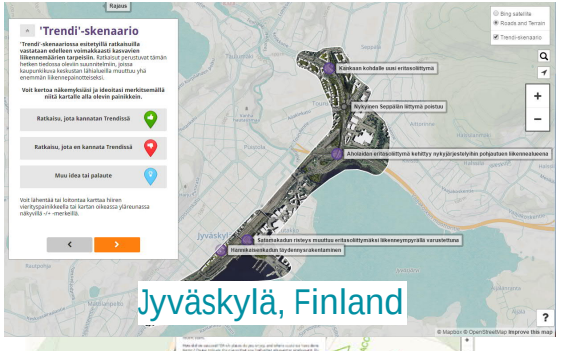
2018

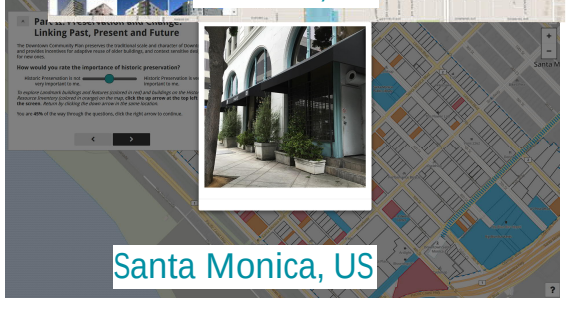
EXAMPLES OF MAPTIONNAIRE PROJECTS

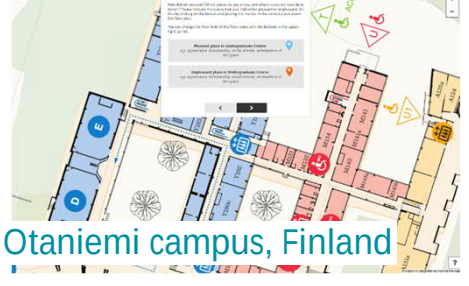


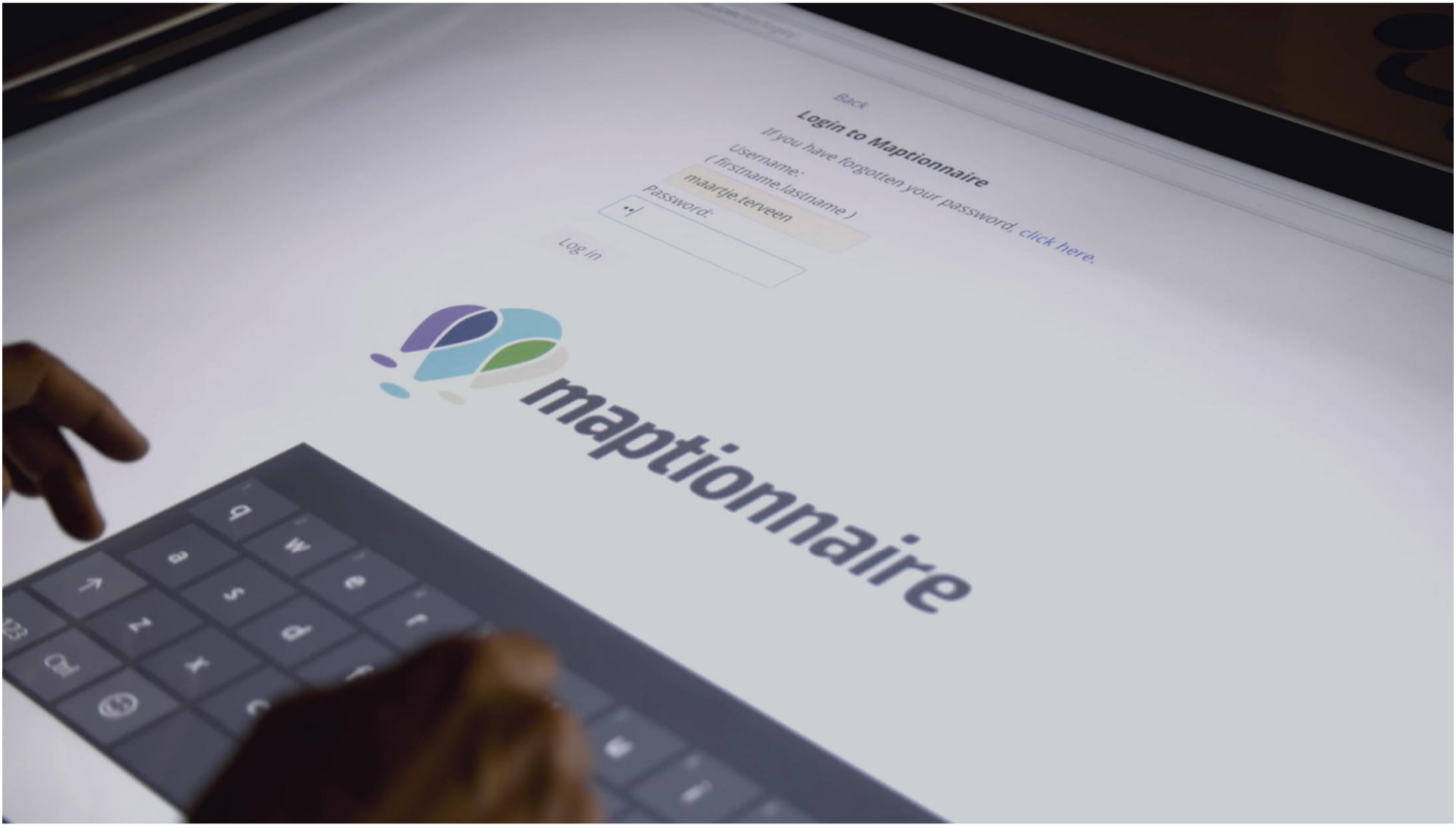











Back
Login to Maptionnaire
If you have forgotten your password, click here.
Username:
(firstname.lastname)
maartje.terveen
password:
Log in
maptionnaire

Professor Gregory Brown

New website!

PMAP | PARTICIPATORY MAPPING INSTITUTE

ABOUT PROJECTS OUR NETWORK RESOURCES **GREG BROWN ARCHIVE**

Our Vision and Mission

Our vision is to establish a global network of researchers and practitioners committed to moving beyond the state-of-the-art in public participation and participatory mapping systems.

We will achieve this vision by scientifically advancing the next generation of participatory mapping techniques to support meaningful public participation, and the inclusion of multiple values in decision-making across the globe. We also support teaching and planning excellence with respect to the design, application and evaluation of public participation and participatory mapping systems globally.

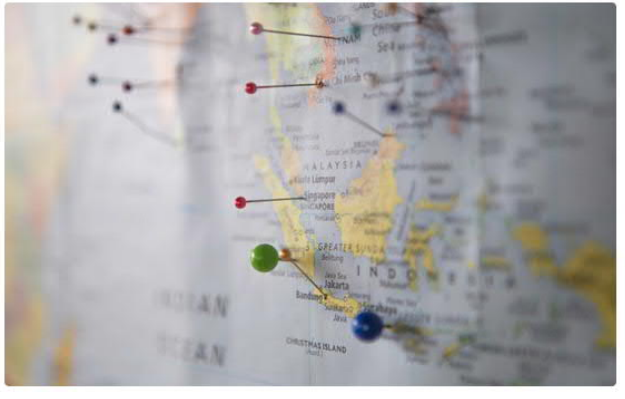
Research themes

Justice and sustainability

CONTACT PERSON: SILVIYA KORPILO

Participatory planning

CONTACT PERSON: MARKETTA KYTTÄ



Honouring the participatory mapping contributions and enduring legacy of Professor Gregory G. Brown

Christopher M. Raymond[a,b,c,d,*], Nora Fagerholm[e], Marketta Kyttä[f]

This commentary honours the seminal and foundational contributions of Professor Gregory G. (Greg) Brown to the fields of public participation geographic in- formation systems (PPGIS), natural resource management and spatial planning.

We synthesise his work into four theses that underpinned his three decades of research: 1) The mapping of place values provides place-specific information about sense of place which can aid in the assessment of the risks associated with landscape modification; 2) PPGIS analysis techniques can support socially acceptable and scientifically defensible land-use decisions in multiple planning contexts; 3) Issues of representation and data quality can be systematically investigated and managed; and 4) While PPGIS is increasingly being applied by cities and other organisations globally, there remains multiple challenges regarding the use of PPGIS findings in land-use decision making. We then briefly summarise his future visions for PPGIS research into: improving participation, and identifying and controlling threats to spatial data quality; turning PPGIS from a participation tool to a political force that can engage with the politics of place and, related to the previous vision; building capacity and champions for those who see the value in participatory mapping methods and are willing to articulate publicly how participatory contributions will be used. The co-authors and all signatories to this commentary are deeply grateful for the many ways that Greg has touched our lives over the years.

He will be sadly missed.

1. Introduction

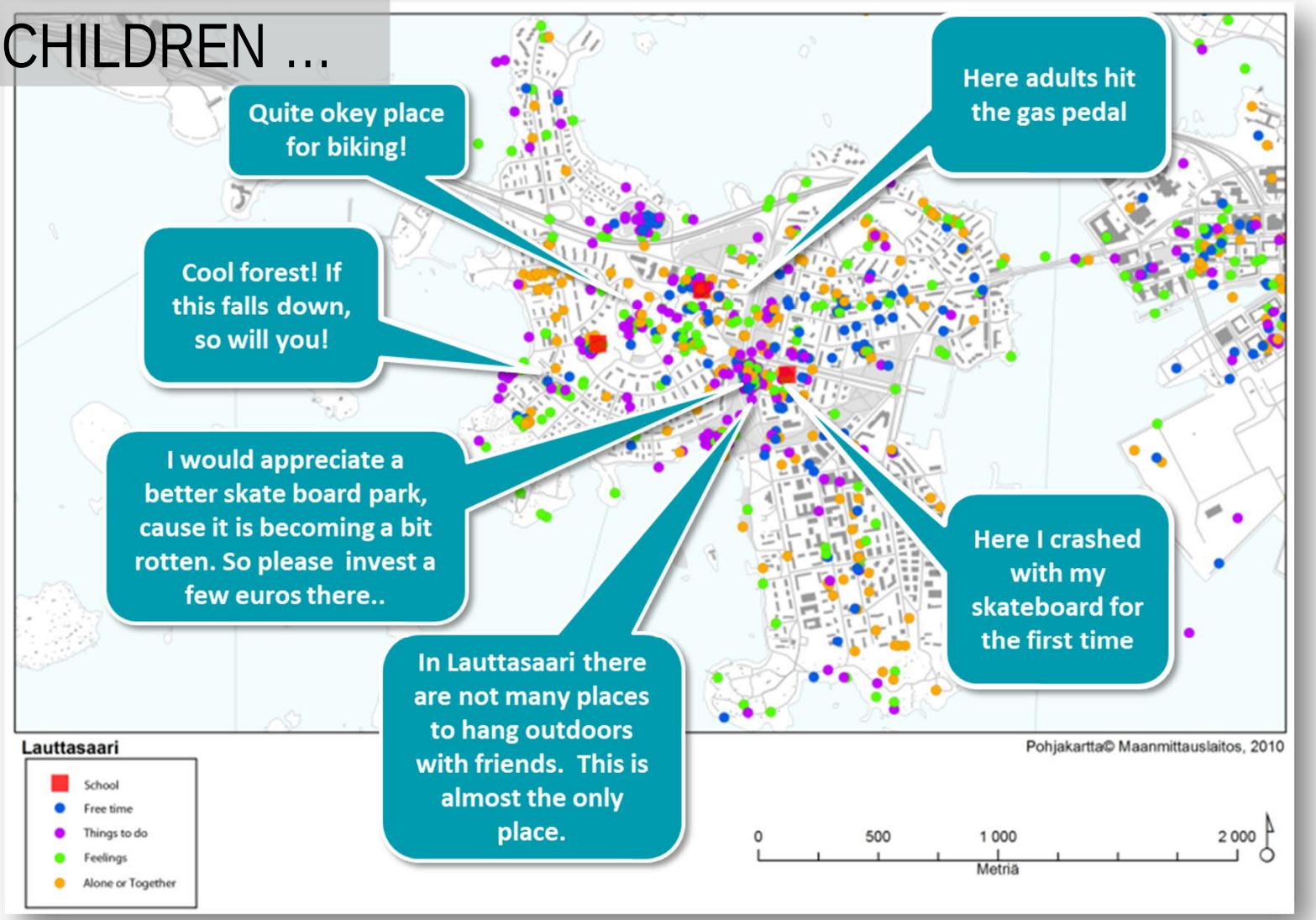
Professor Gregory G. (Greg) Brown's contributions to public participation geographic information systems (PPGIS), natural resource management and spatial planning have been foundational. Over three decades, he and his network led the rapid growth of participatory mapping studies globally (four publications per year in 1997 to over 30 per year in 2019, Scopus). He wrote multiple seminal works relating to the mapping of place values (the values assigned by individuals to places, including residents and visitors) to guide natural resource

[a] Helsinki Institute for Sustainability Science (HELSUS), University of Helsinki, Finland

[b] Ecosystems and Environment Research Program, Faculty of Biological and Environmental Sciences, University of Helsinki, Finland

CONTEXT SPESIFIC KNOWLEDGE FROM PEOPLE

FROM CHILDREN ...

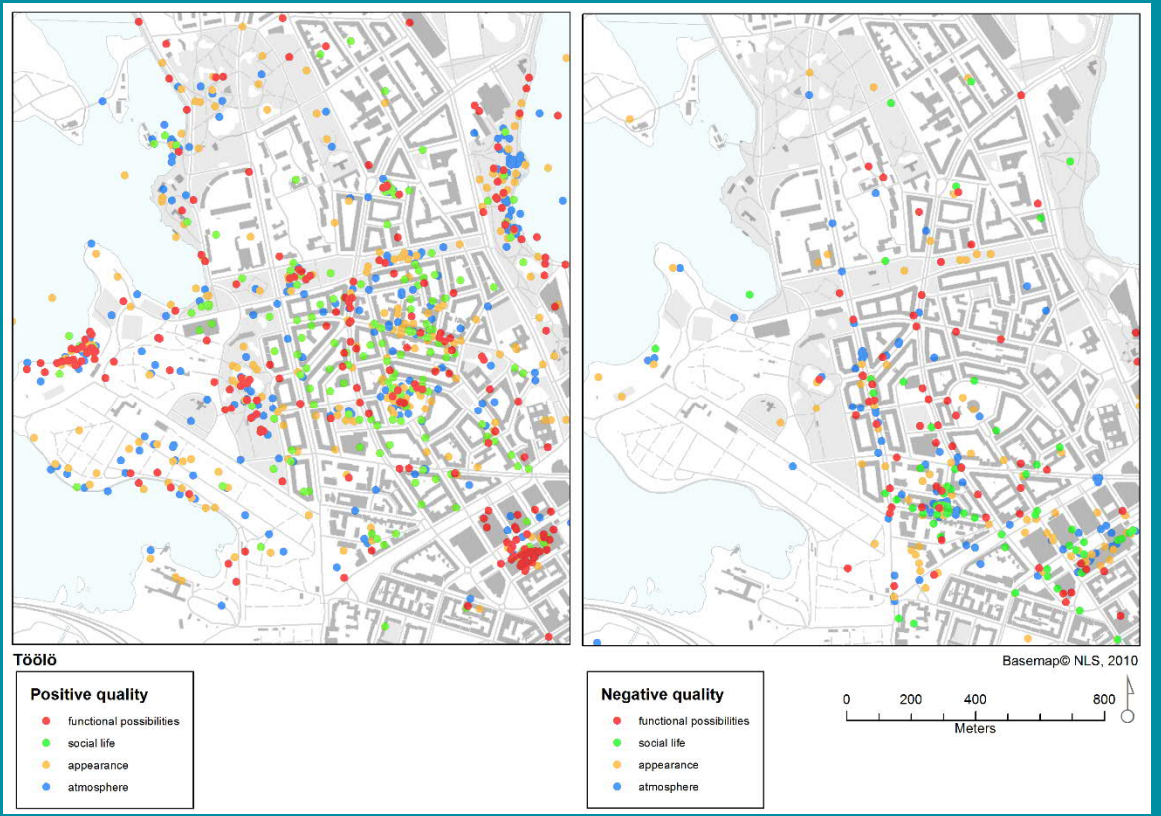


… AND THE AGING PEOPLE

… AND FROM PEOPLE USING VARIOUS LANGUAGES

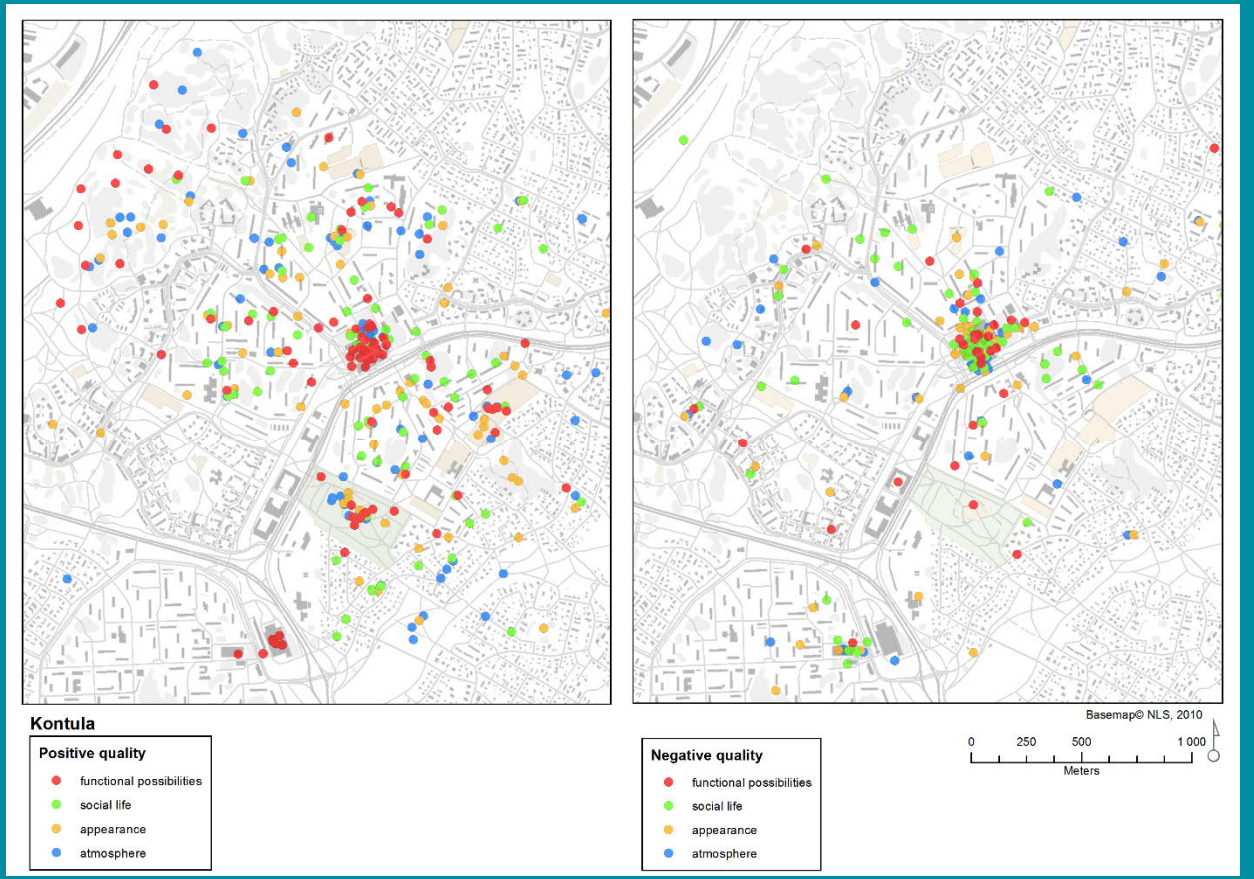
KNOWLEDGE THAT CAN BE USED IN PLANNING

Locally sensitive research knowledge about the strengths and weaknesses of an area



Kyttä, M. Broberg, A. Tzoulas, T. & Snabb, K. (2013) Towards contextually sensitive urban densification: location-based softGIS knowledge revealing perceived residential environmental quality. Landscape and Urban Planning, Vol 113, May 2013 , 30-46.

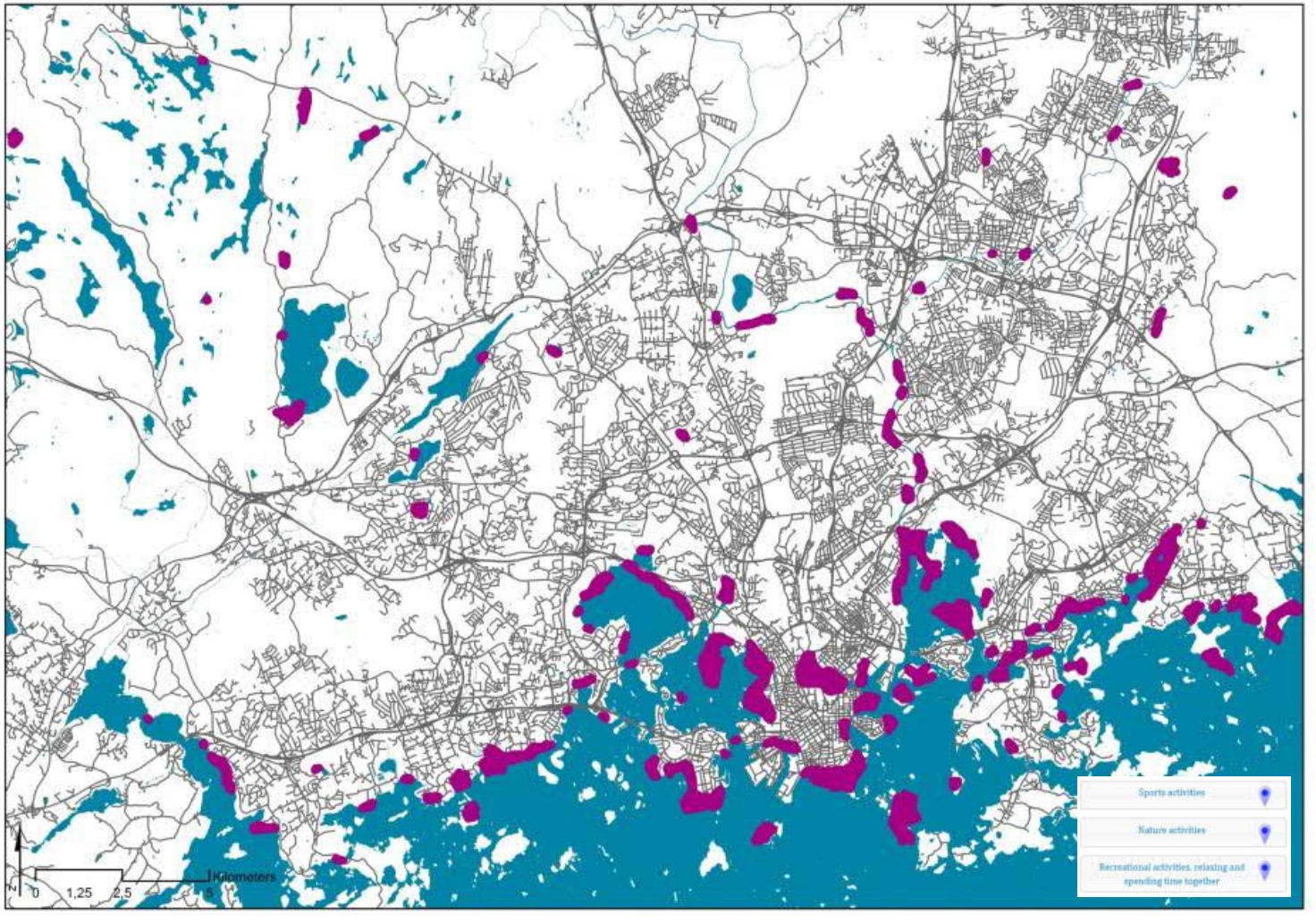
Useful knowledge for urban infill projects?



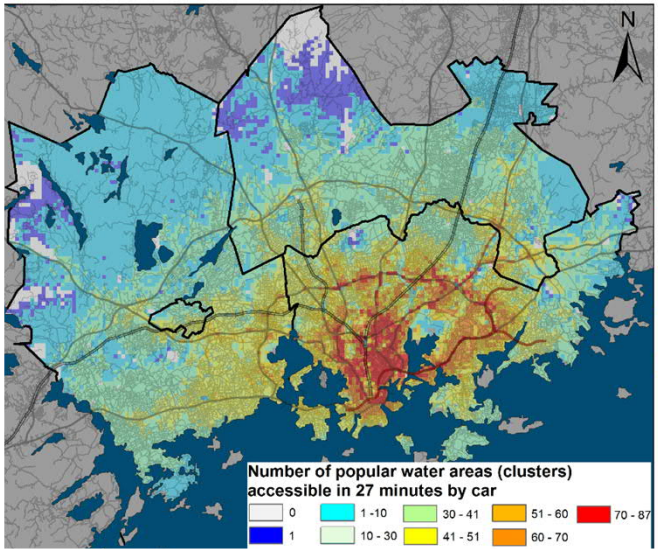
DIAGNOSTIC KNOWLEDGE?

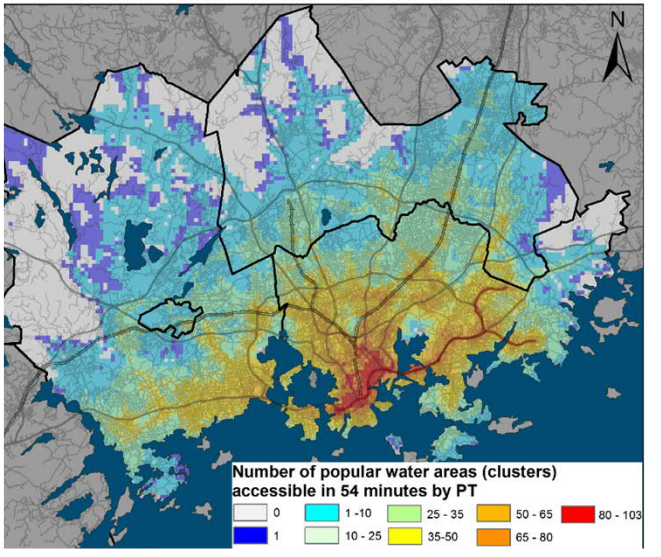
“My activities by the water” -survey

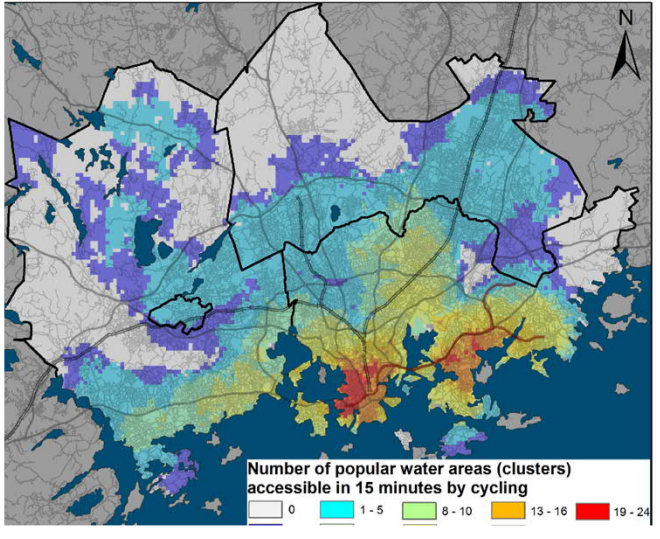
Enjustess research project

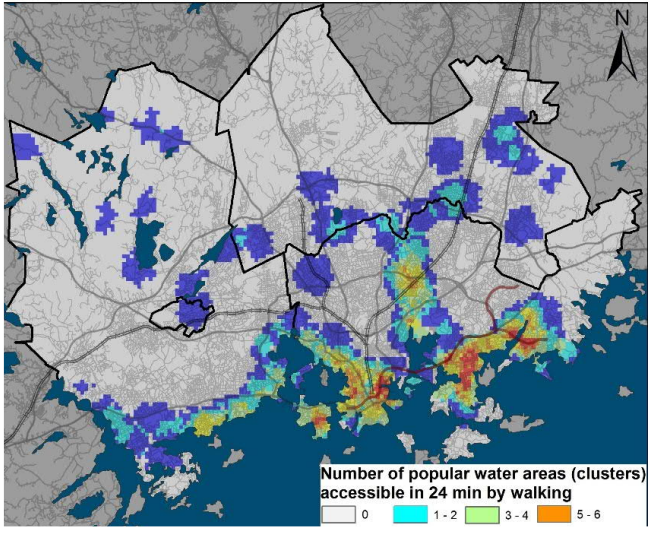


Equal accessibility of places by the water with various travel modes









IDENTIFICATION OF VARIOUS INHABITANT GROUPS

More about this topic during the lecture in 16.2.

WHAT PEOPLE VALUE VS. WHAT IS GOOD FOR THEM

More about this topic during the lecture next week

LARGE-SCALE AND INFLUENTIAL PUBLIC PARTICIPATION

More about this topic in my course ”Participatory Planning”

THE COLLECTION AND ANALYSIS OF PLACE-BASED KNOWLEDGE

PUBLIC PARTICIPATION GIS (PPGIS) DATA: VARIOUS LEVELS OF USER KNOWLEDGE

BACKGROUND INFORMATION

- Age
- Gender
- Tenure
- Education
- Income
- Etc.

1

General knowledge about individual preferences, lifestyles, attitudes or values

2

Place-based knowledge about:

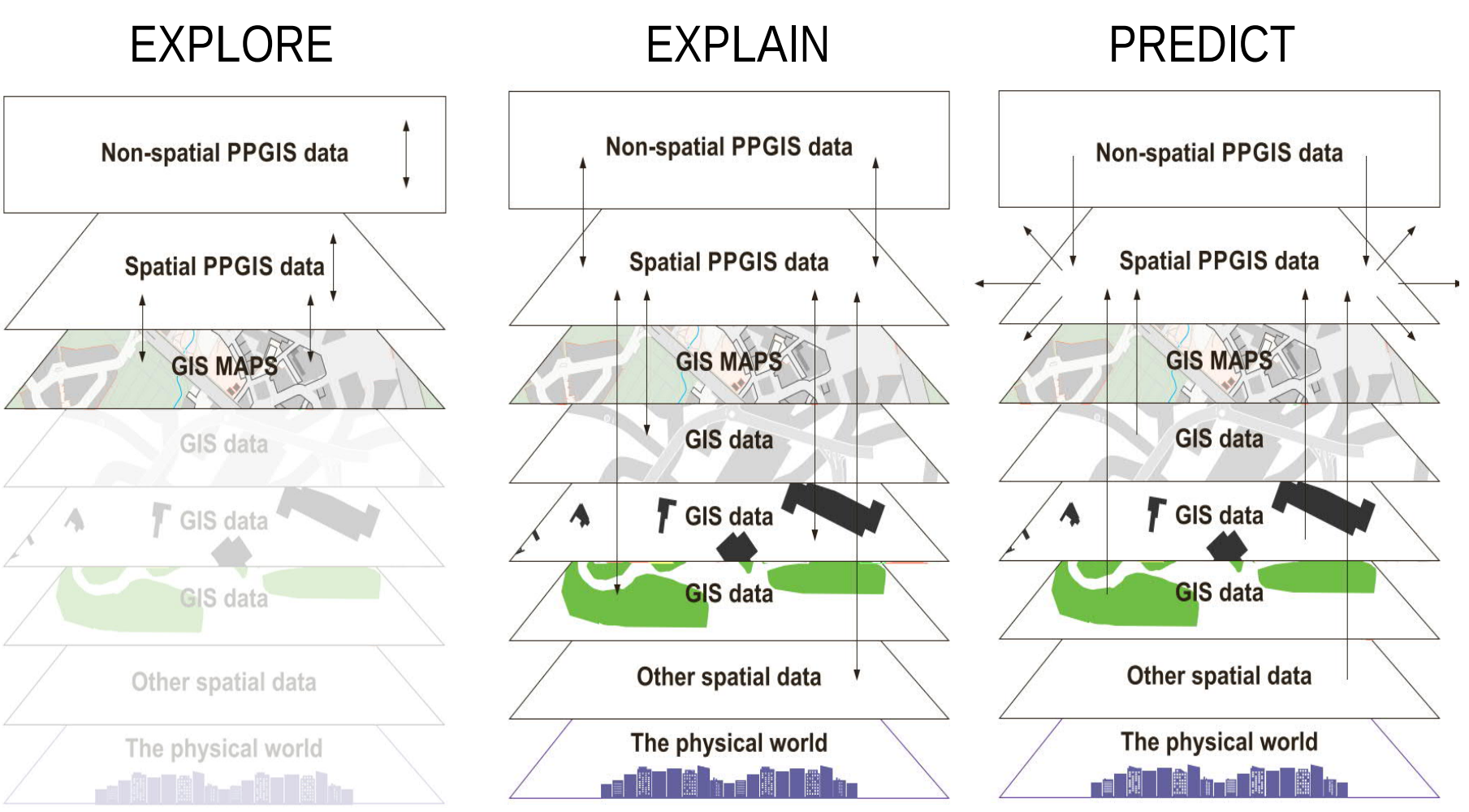
- individual preferences, attitudes or values
- individual behavior, lifestyles and everyday practices
- environmental phenomenon and problems (citizen science)

3

Place-based knowledge about individual future wishes, visions and preferences

OUTCOME VARIABLES

- Neigh-bourhood satisfaction
- Quality of Life
- Perceived Heath
- Happiness
- Etc.

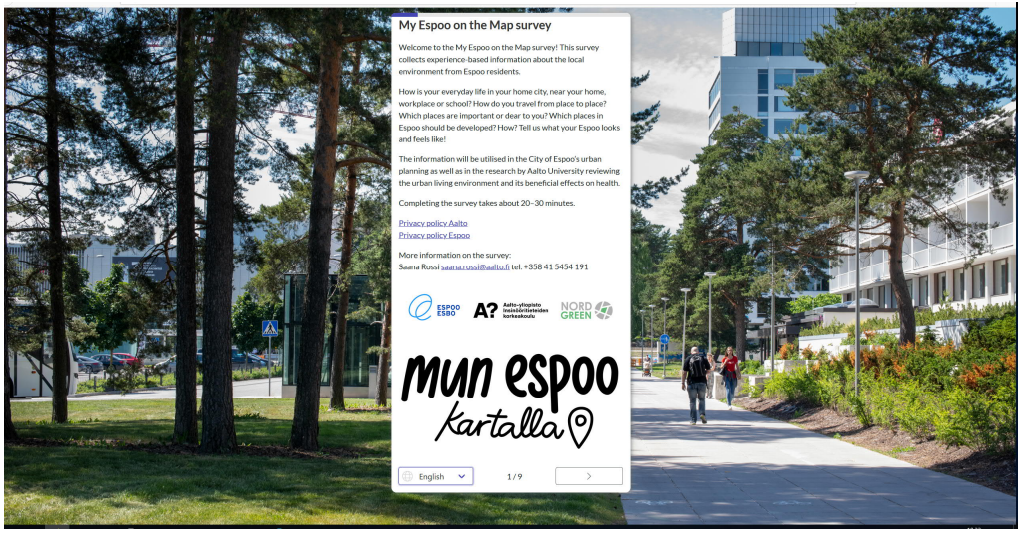

EXPLORE
Non-spatial PPGIS data
Spatial PPGIS data
GIS MAPS
GIS data
GIS data
GIS data
Other spatial data
The physical world
EXPLAIN
Non-spatial PPGIS data
Spatial PPGIS data
GIS MAPS
GIS data
GIS data
GIS data
Other spatial data
The physical world
PREDICT
Non-spatial PPGIS data
Spatial PPGIS data
GIS MAPS
GIS data
GIS data
GIS data
Other spatial data
The physical world

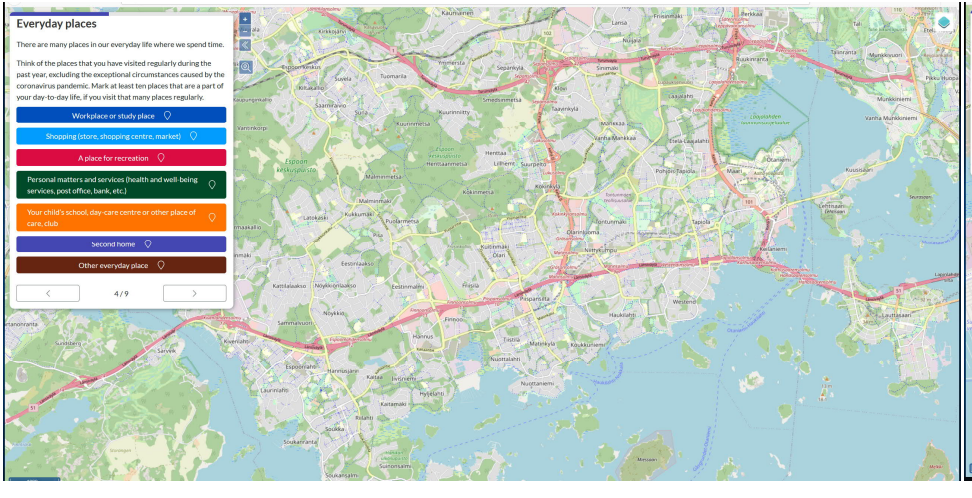
The dataset:
My Espoo survey

Number of participants = 4182
Number of locations = 53810

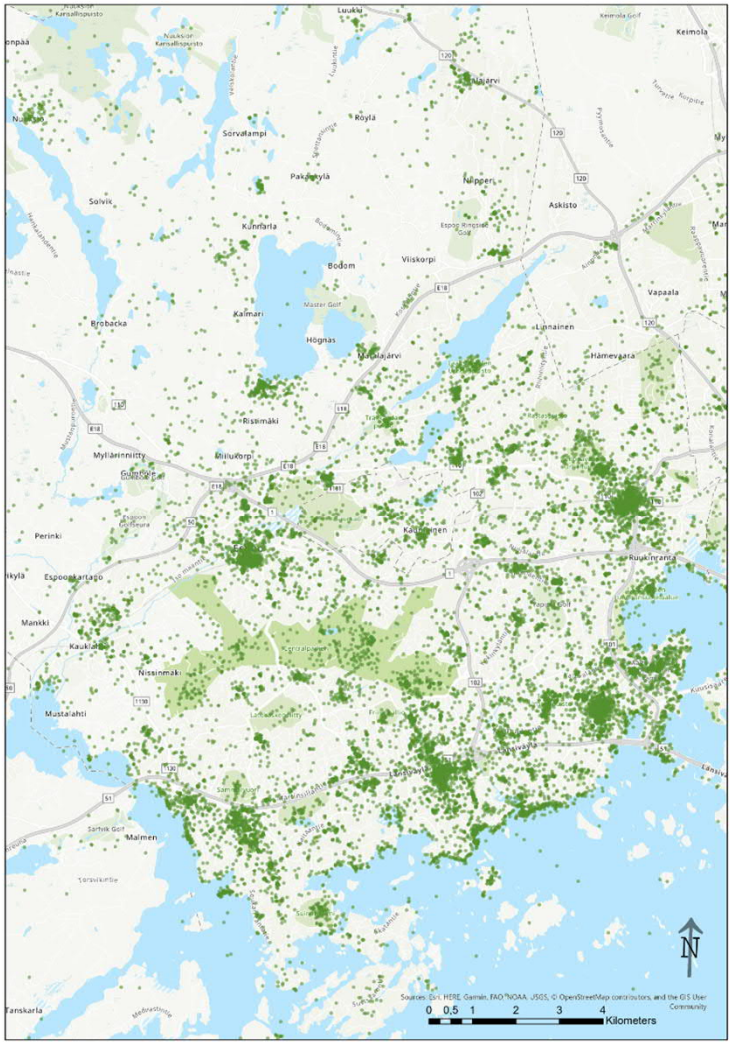
NORD GREEN

My Espoo on the Map -survey





Everyday places



Special places