

# Urban Experience

1.2.2022

SPT-E5020

Marketta Kyttä



|                             | 11.1.   | 18.1.                               | 25.1.                               | 1.2.                                       | 8.2.  | 15.2.   | 22.2                |
|-----------------------------|---|-------------------------------------|-------------------------------------|--|---|---|---------------------|
| 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                              | Online                                     | Online  | Online  | Online              |
| Contents of contact session | Introduction  | Perceived safety                    | Restorative Environments            | 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 | Functional Environments             | Sense of Community                  | 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                                     | Child-friendly environments                             | Final presentations |
|                             |   |                                     |                                     | Online and onsite PPGIS data analysis      | Residential relocation and travel behavior change     | From city streets to playgrounds and suburban woodlands |                     |
| 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

Kamyar Hasanzadeh: 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



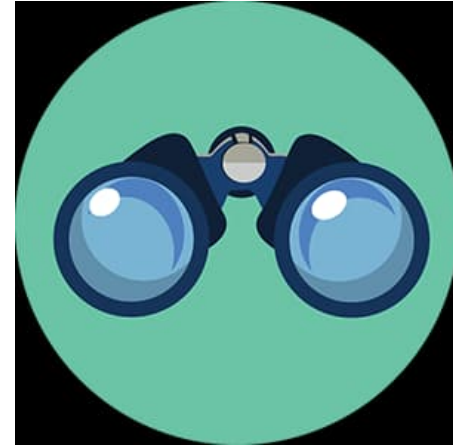
Public  
hearings



Interviews



Surveys



Observations

# CRITERIA FOR GOOD LIVING ENVIRONMENT?

**Sense of  
community**

**Safe**

**Close to nature**

**Peaceful**

**Dog friendly**

**Cozy**



# PLACE-BASED PERSON-ENVIRONMENT RESEARCH

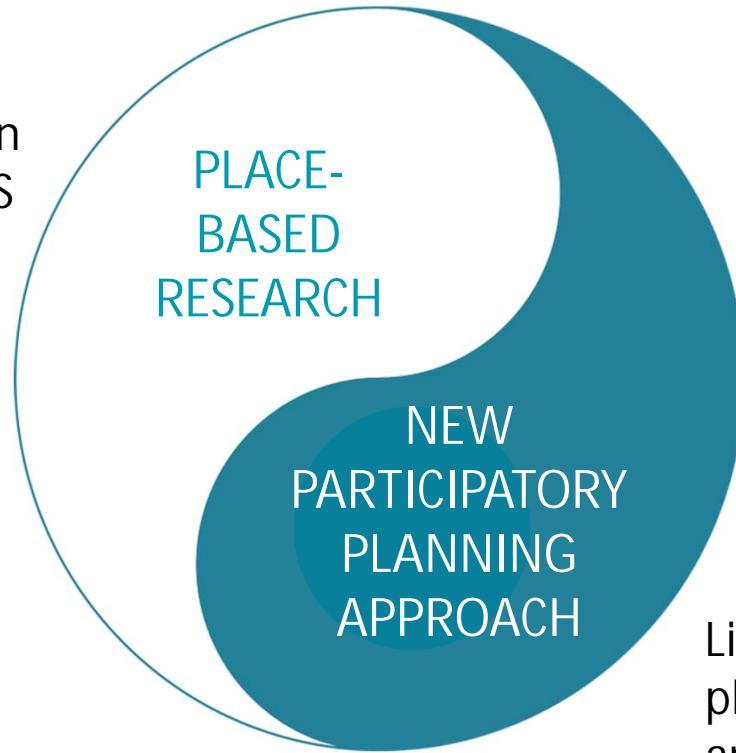
SoftGIS  
knowledge  
layers



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

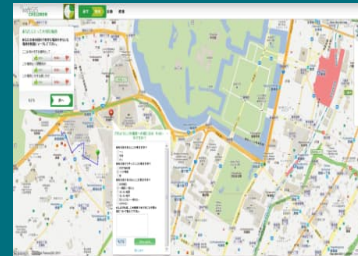
1990's

THE FIRST  
SOFTGIS  
PROTOTYPES  
Technical  
development by  
students



2005

TAILORED  
SOFTGIS SURVEYS  
Technical  
development by  
Aalto employees

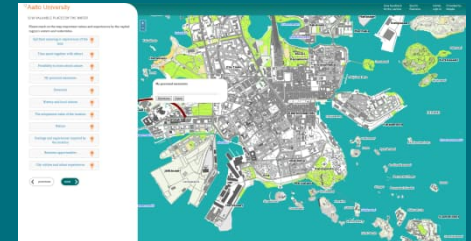


2008

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.)

maardje.terveen

Password:

•••

Log In



# Professor Gregory Brown



# New website!



## 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



TRIBUTE TO GREG BROWN

PUBLICATIONS

APPLICATIONS



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

Christopher M. Raymond<sup>a,b,c,d,\*</sup>, Nora Fagerholm<sup>e</sup>, Marketta Kyttä<sup>f</sup>

This commentary honours the seminal and foundational contributions of Professor Gregory G. (Greg) Brown to the fields of public participation geographic information 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

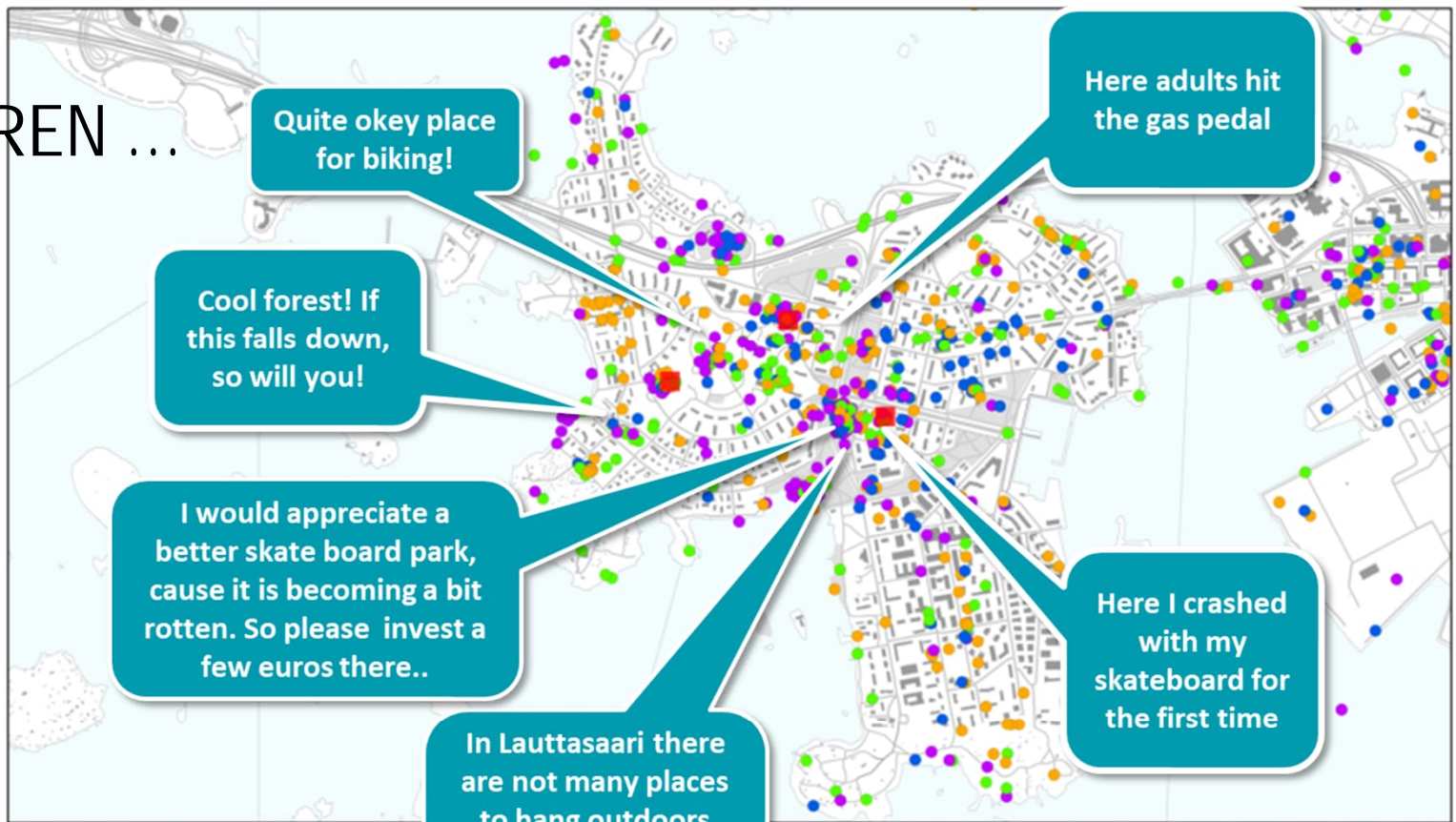
<sup>a</sup> Helsinki Institute for Sustainability Science (HELSUS), University of Helsinki, Finland

<sup>b</sup> Ecosystems and Environment Research Program, Faculty of Biological and Environmental Sciences, University of Helsinki, Finland



CONTEXT SPECIFIC  
KNOWLEDGE  
FROM PEOPLE

# FROM CHILDREN ...



Quite okey place for biking!

Here adults hit the gas pedal

Cool forest! If this falls down, so will you!

I would appreciate a better skate board park, cause it is becoming a bit rotten. So please invest a few euros there..

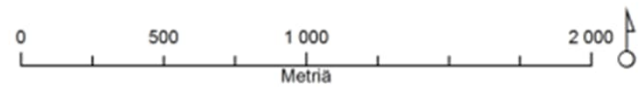
Here I crashed with my skateboard for the first time

In Lauttasaari there are not many places to hang outdoors with friends. This is almost the only place.

**Lauttasaari**

- School
- Free time
- Things to do
- Feelings
- Alone or Together

Pohjakartta © Maanmittauslaitos, 2010



... AND THE AGING PEOPLE



# ... AND FROM PEOPLE USING VARIOUS LANGUAGES



**Công Viên và những Nơi Giải Trí**

Công Viên và những Nơi Giải Trí (sân banh, vườn, công trường, v.v.) tạo cơ hội để chúng ta chơi, tập thể thao, nghỉ ngơi, và quây quần.

Xin dùng đinh ghim màu hồng này để định vị những công viên, hay nơi giải trí ưa thích nhất của quý vị. Xin dùng đinh ghim màu xanh để định vị những công viên, hay nơi giải trí mà quý vị thường thăm viếng nhiều nhất.

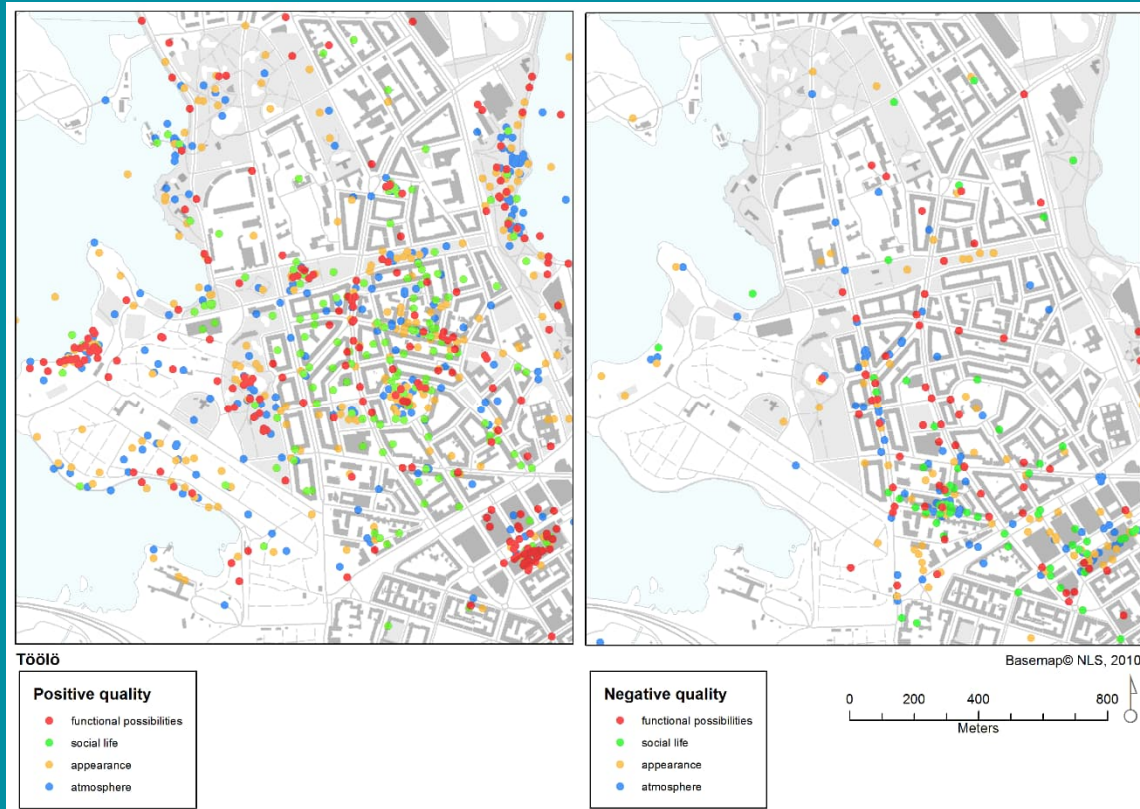
Những công viên, hay nơi giải trí ưa thích nhất 

Những công viên, hay cơ sở giải trí thường lưu viếng nhất 

The image shows a map of San José, California, with several orange routes highlighted. The routes start from the San Jose International Airport (SJC) and travel through various parts of the city, including areas like Little Portugal, Little Saigon, and the downtown area. The map includes labels for major streets like Bayshore Fwy, Sinclair Fwy, and US 101, as well as parks and landmarks like Luna Park, Naglee Park, and the Civic Center. The sidebar on the left contains text in Vietnamese, providing instructions on how to use the map's pin features to mark favorite and frequently visited parks and recreational areas.

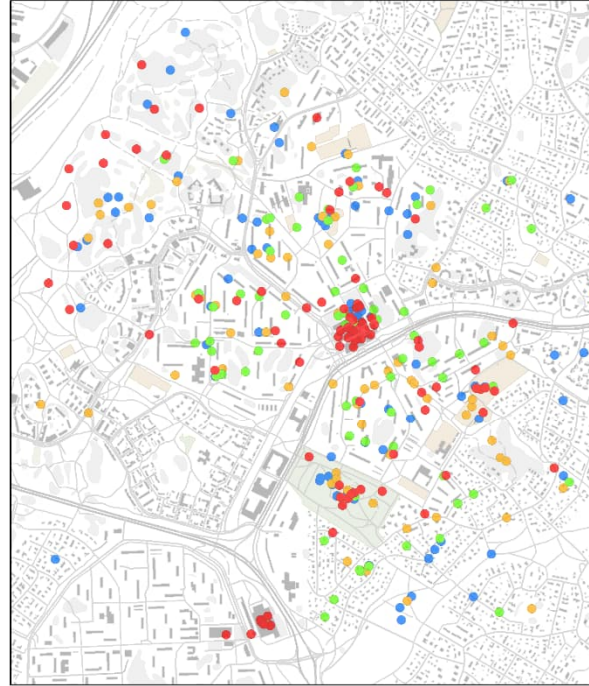
KNOWLEDGE  
THAT CAN BE USED  
IN PLANNING

# 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.

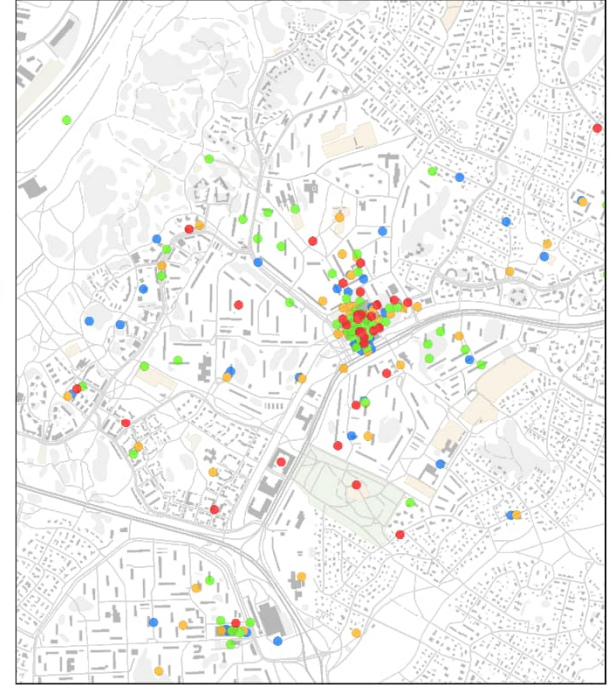
# Useful knowledge for urban infill projects?



**Kontula**

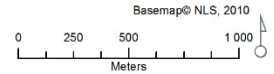
**Positive quality**

- functional possibilities
- social life
- appearance
- atmosphere



**Negative quality**

- functional possibilities
- social life
- appearance
- atmosphere



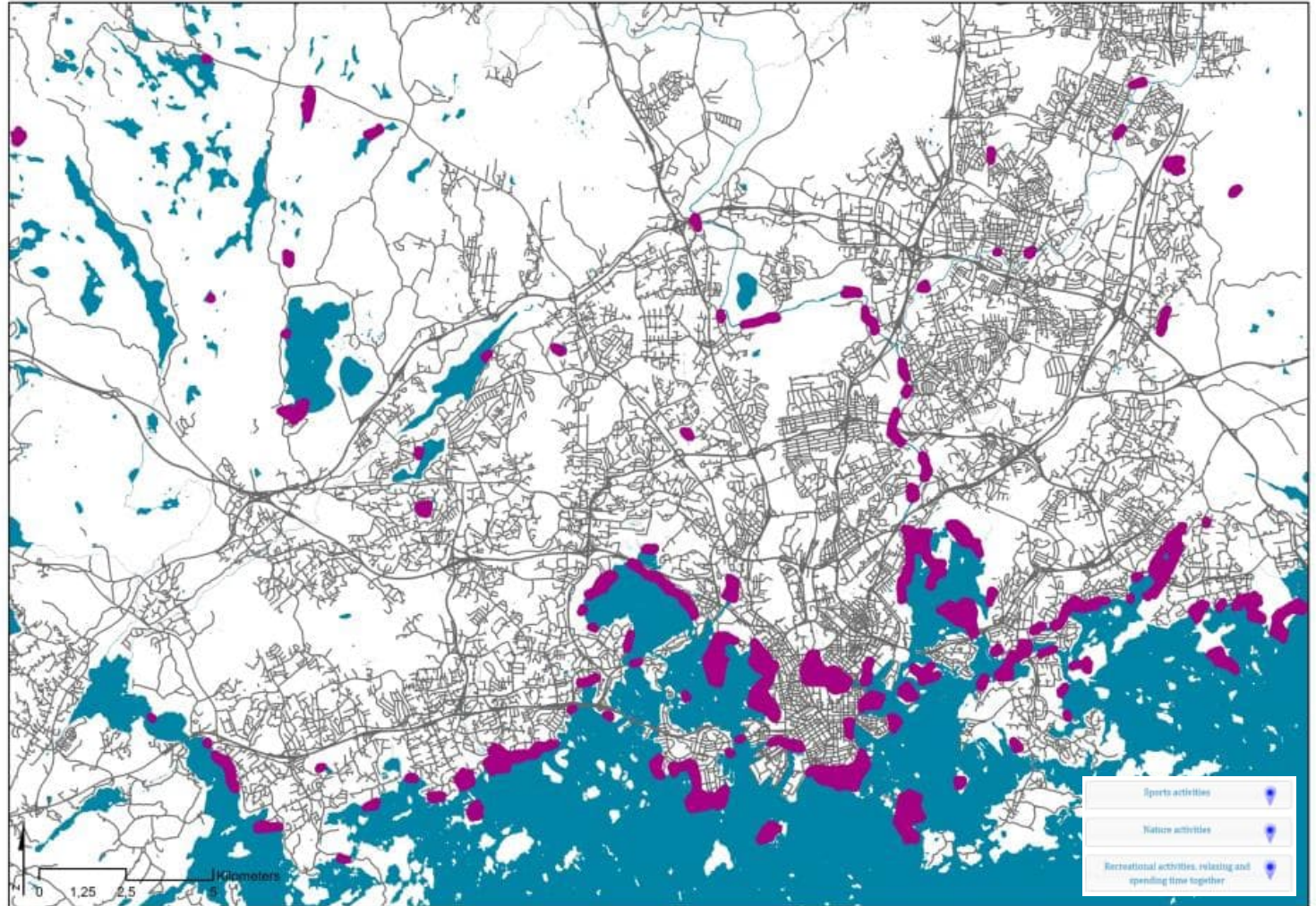
# DIAGNOSTIC KNOWLEDGE?



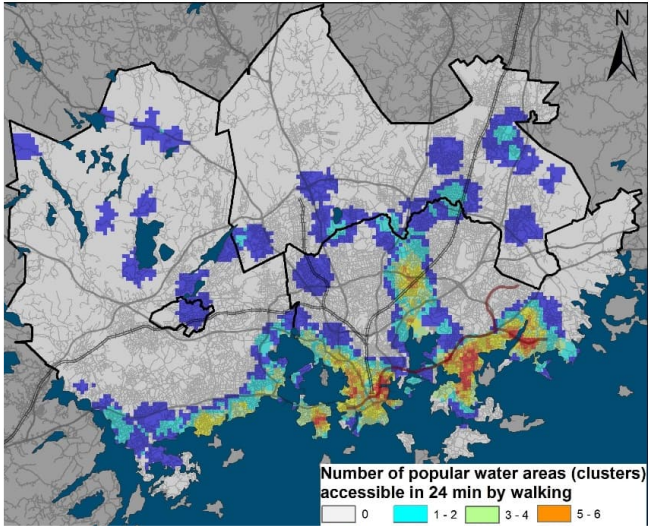
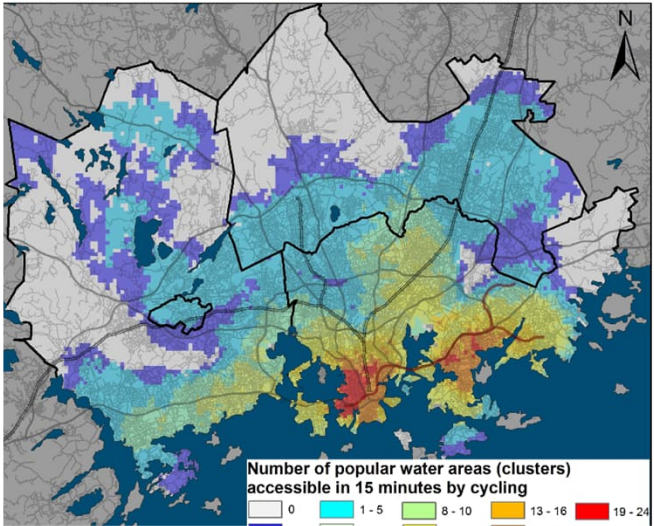
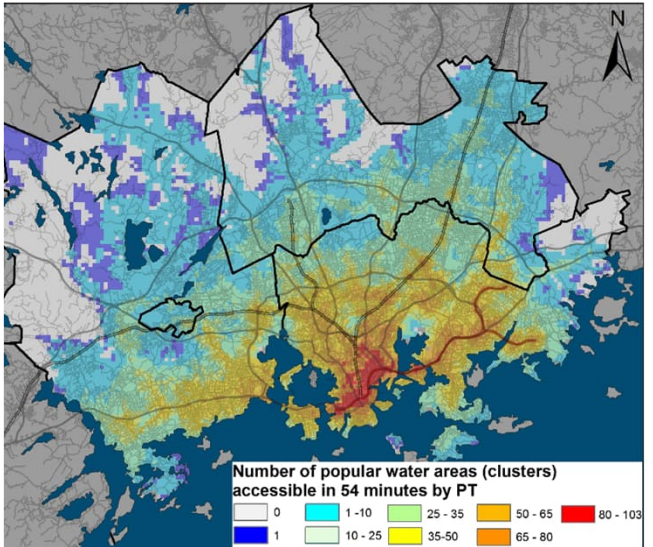
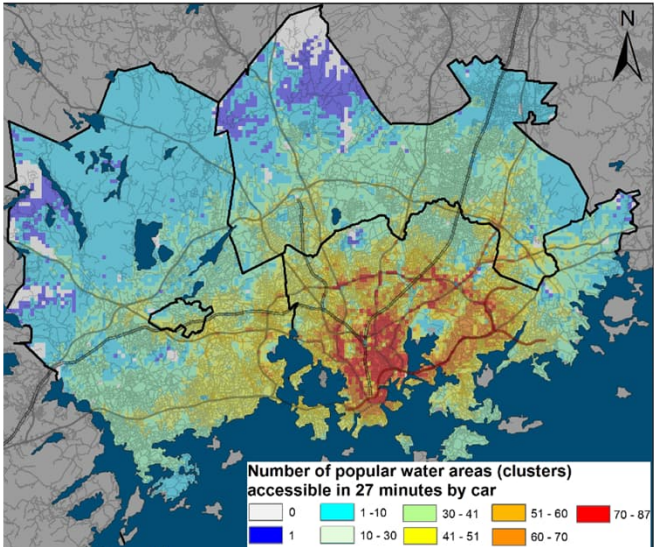


“My activities by the water”  
-survey

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  
15.2.



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"





# METHODS FOR PARTICIPATORY PLANNING

## Hupmobile *Participatory.Tools* Tool-KIT

Search...

### Basic Categories

Mode of communication

Group size

Geographical scope

Skills of the participants

Resources: Time & Money

Planning phase

Level of Involvement

### Additional Criteria

Staffans 2 dimensions

Enabling methods



### Big Room

A special case of the Living lab. Large space, where the stakeholders could gather together and experiment with the different formats of collaboration. Typically it in...

[Read more](#)



### Concept mapping

Conceptual mapping is a process of visually representing and organising ideas and relationships between them, creating a concept map. A concept map typically represent...

[Read more](#)



### Decision Theatre

A Decision Theatre is a facility that has immersive equipment to illustrate plans and visualise data for planners, stakeholders, researchers, and citizens. With the he...

[Read more](#)



### Design Charrette

An intensive, hands-on workshop that brings people from different disciplines and backgrounds together with members of the community to explore design options for a pa...

[Read more](#)

# VARIOUS METHODS FOR PARTICIPATORY PLANNING

Please visit: <https://participatory.tools/>

16 Analog (traditional) methods

16 Digital methods

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)

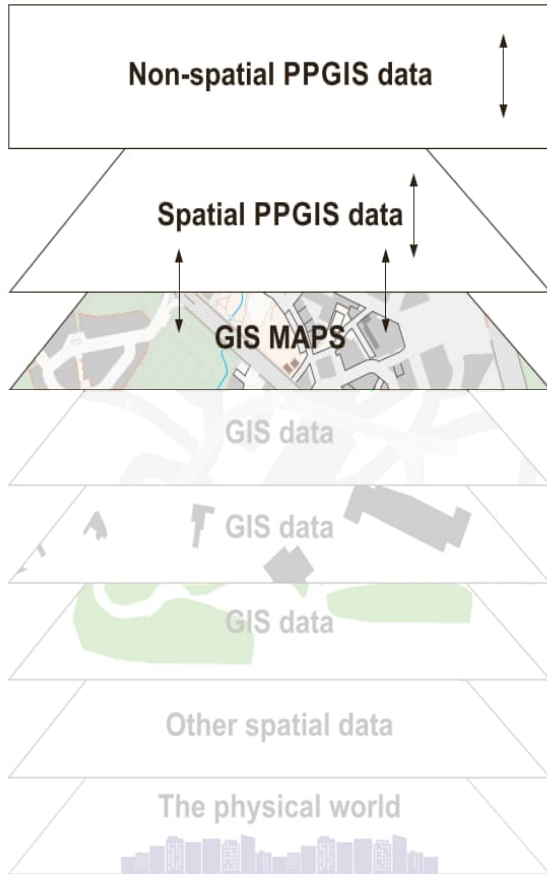
3

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

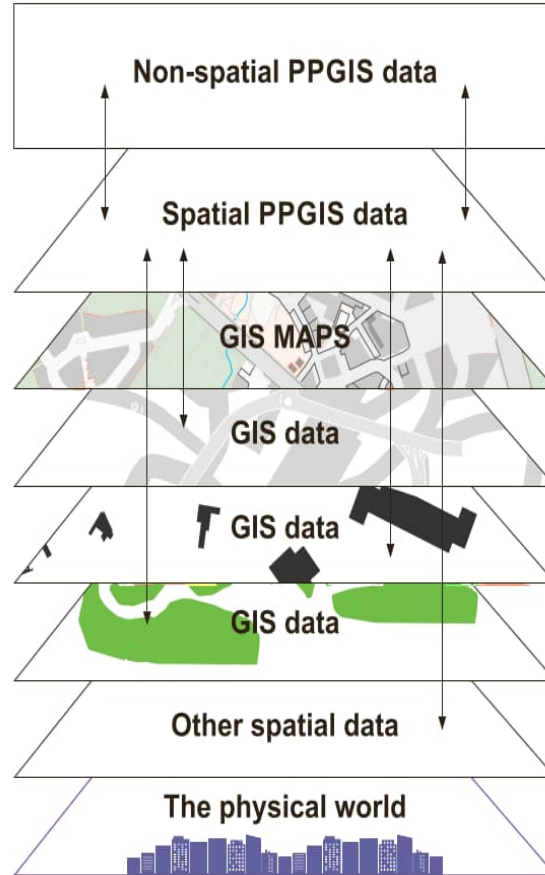
## OUTCOME VARIABLES

- Neighbourhood satisfaction
- Quality of Life
- Perceived Health
- Happiness
- Etc.

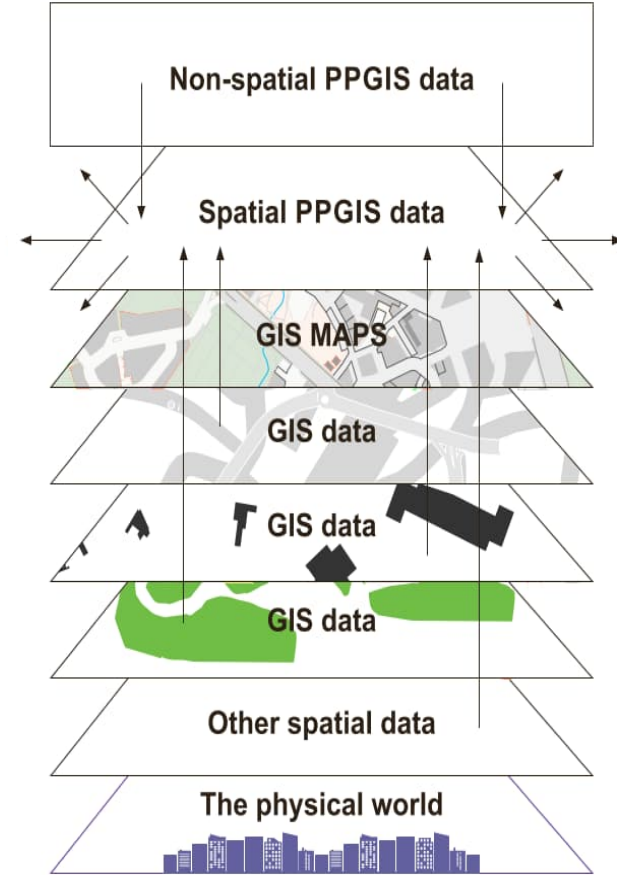
# EXPLORE



# EXPLAIN



# PREDICT



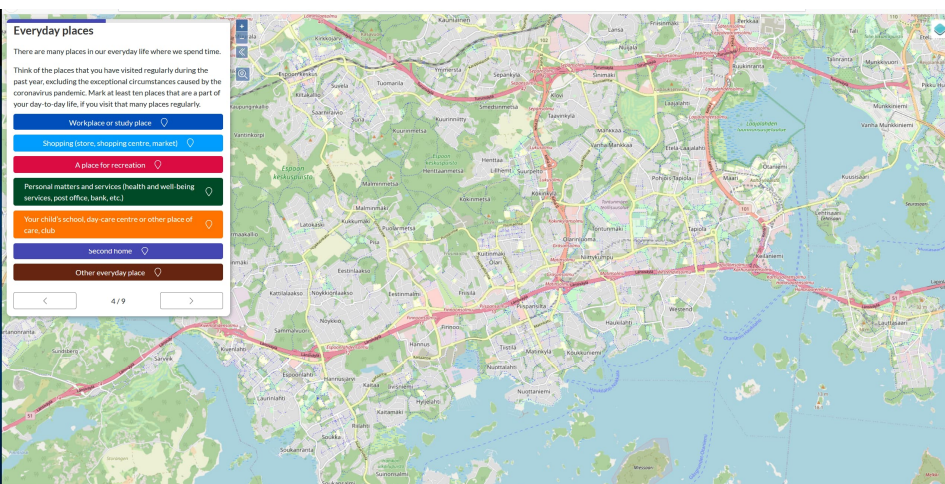
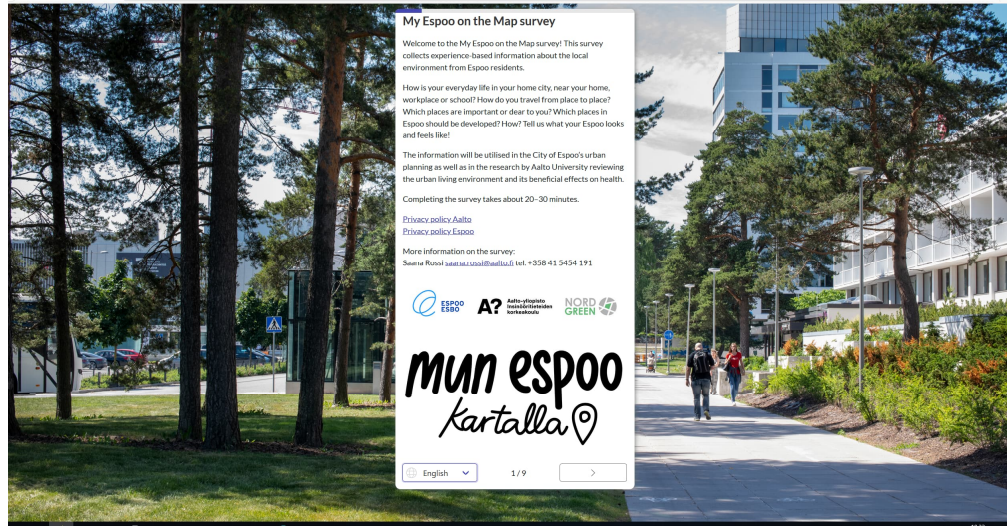
# The dataset: My Espoo survey

Number of participants = 4182

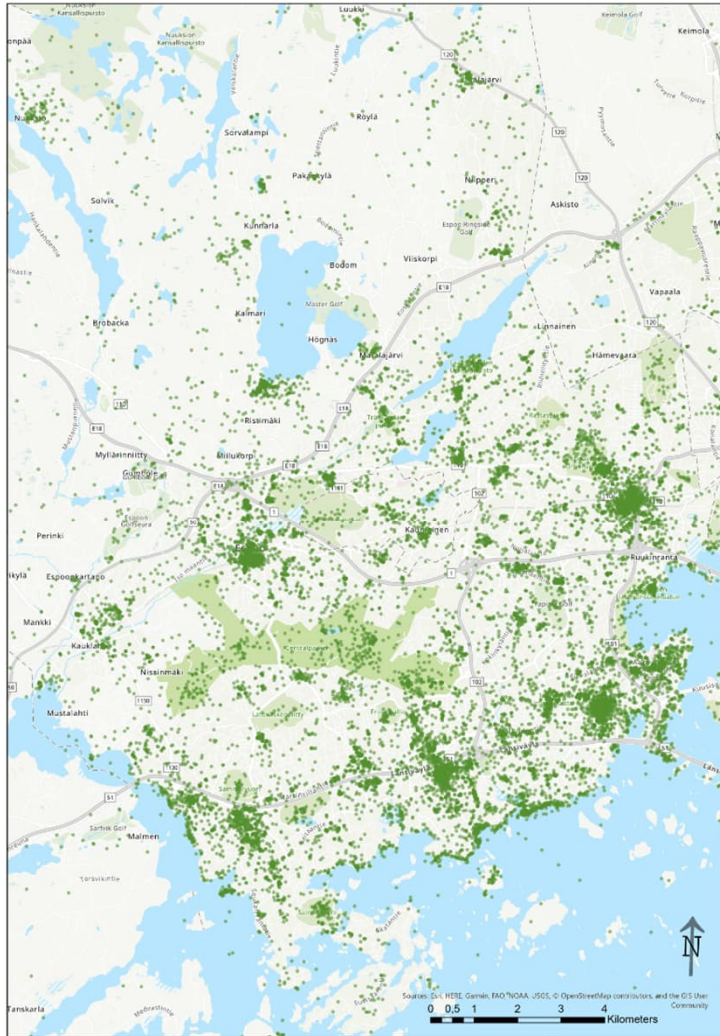
Number of locations = 53810



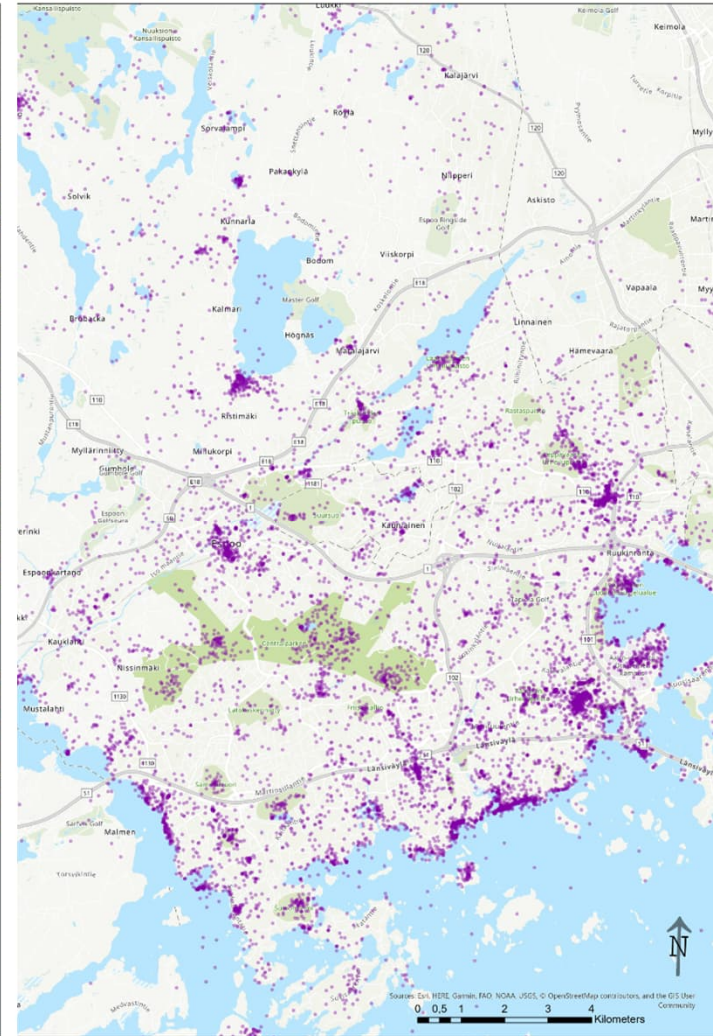
# My Espoo on the Map -survey



# Everyday places



# Special places





NOW

LET'S WELCOME KAMYAR!