Aalto University

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# THE USE OF PPGIS IN CITIZEN ENGAGEMENT

The Finnish

# Land Use and Building Act 2000

§

aims to ensure that everyone has
the chance to participate
in open planning processes

# KNOTS OF PARTICIPATORY PLANNING

ONLY HANDFUL OF PEOPLE PARTICIPATE

TIMING OF PARTICIPATION TOO LATE

NON-INFLUENTIAL PARTICIPATION

CONCENTRATION ON RESISTING CHANGES

COLLECTED DATA REMAINS INVISIBLE

DEMANDING PARTICIPATION PROCESS

Grab a post-it.
Write, draw or doodle your story.
Just make sure it fits on one side.
Leave your name and number at the back.
Win Awesome Prizes.
Accept all the things that life gives you. Be adorable towards your life. If you can't argue with the death don't do it with life. - (ARZOO)
Live Young!
Life is so awesome. Just change the way you see it.
KISS Keep It Simple
Yo! Yo! Keep Calm, Be happy, live happy - Anany
Yo! Yo! Keep Calm & Be Happy!! - Vedika
I Love MySelf Stey Hungry Stey foolish
Enjoy your struggle Because once you succeed, you are going to tell the story of your success till you die. So, enjoy your struggle.
Please spread the message of gender neutrality all over the world.
Live the way you like! Just love yourself
Destiny favours the brave So, Be Brave!
I Love my Mother
OUR 1st Jaipur Lit Fest!
Set fire to the world with your brokenness. - Sahana
Be single be virgin be happy

# Place-based person-environment research

SoftGIS knowledge layers

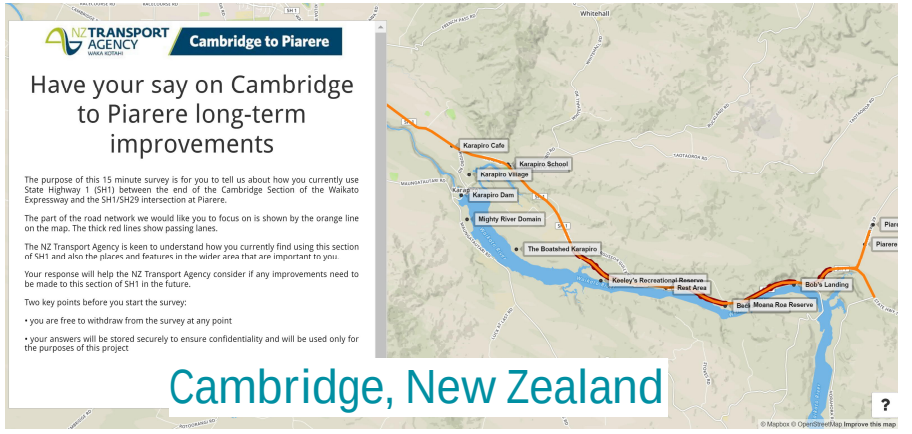
HardGIS knowledge layers

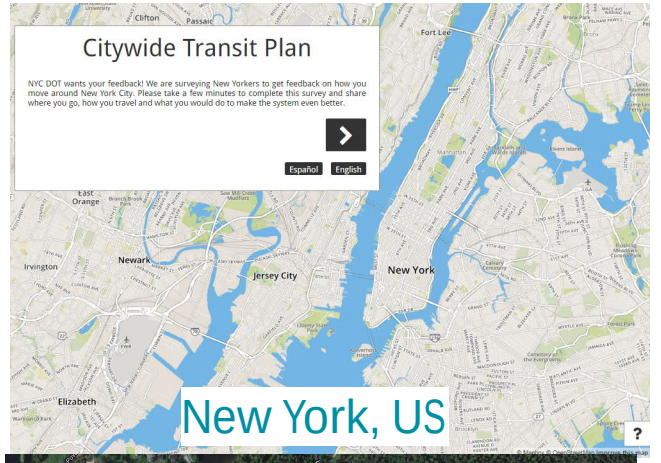
# WHY ”SOFT-GIS” KNOWLEDGE?

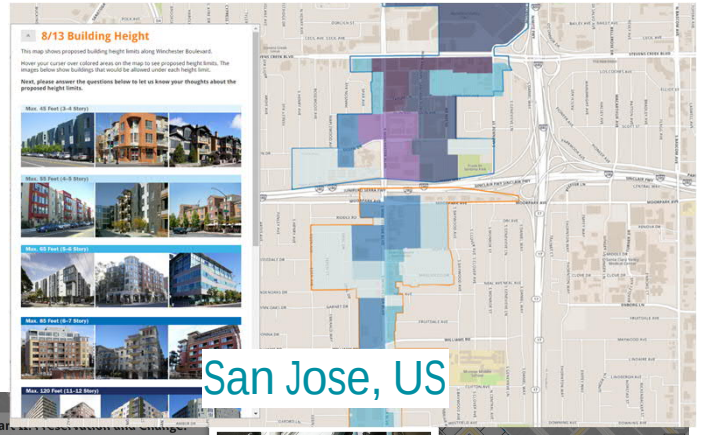
**The analysis of ”soft” geographical information together with ”hard” GIS knowledge**

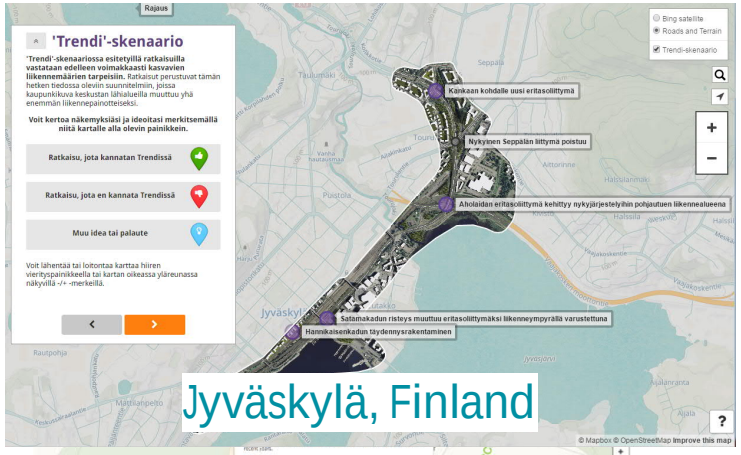
**Linking the user knowledge to planning and design solutions and making large-scale participation possible**

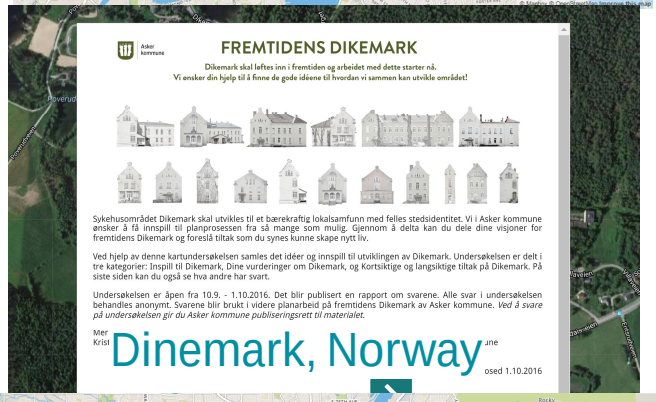
# EXAMPLES OF MAPTIONNAIRE PROJECTS

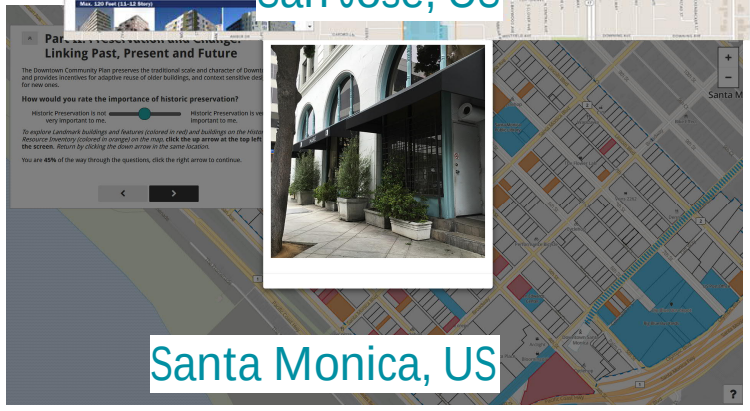


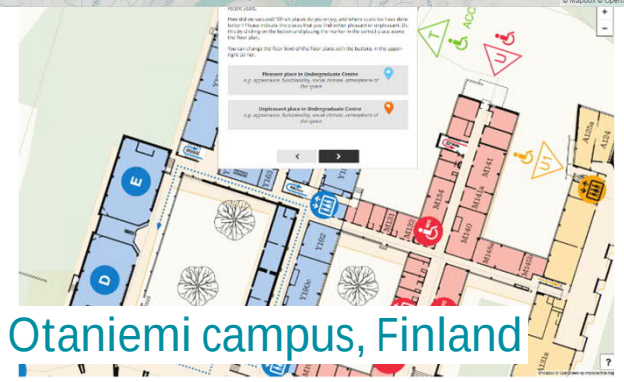



# EXAMPLES OF PARTICIPATORY PLANNING PROJECTS

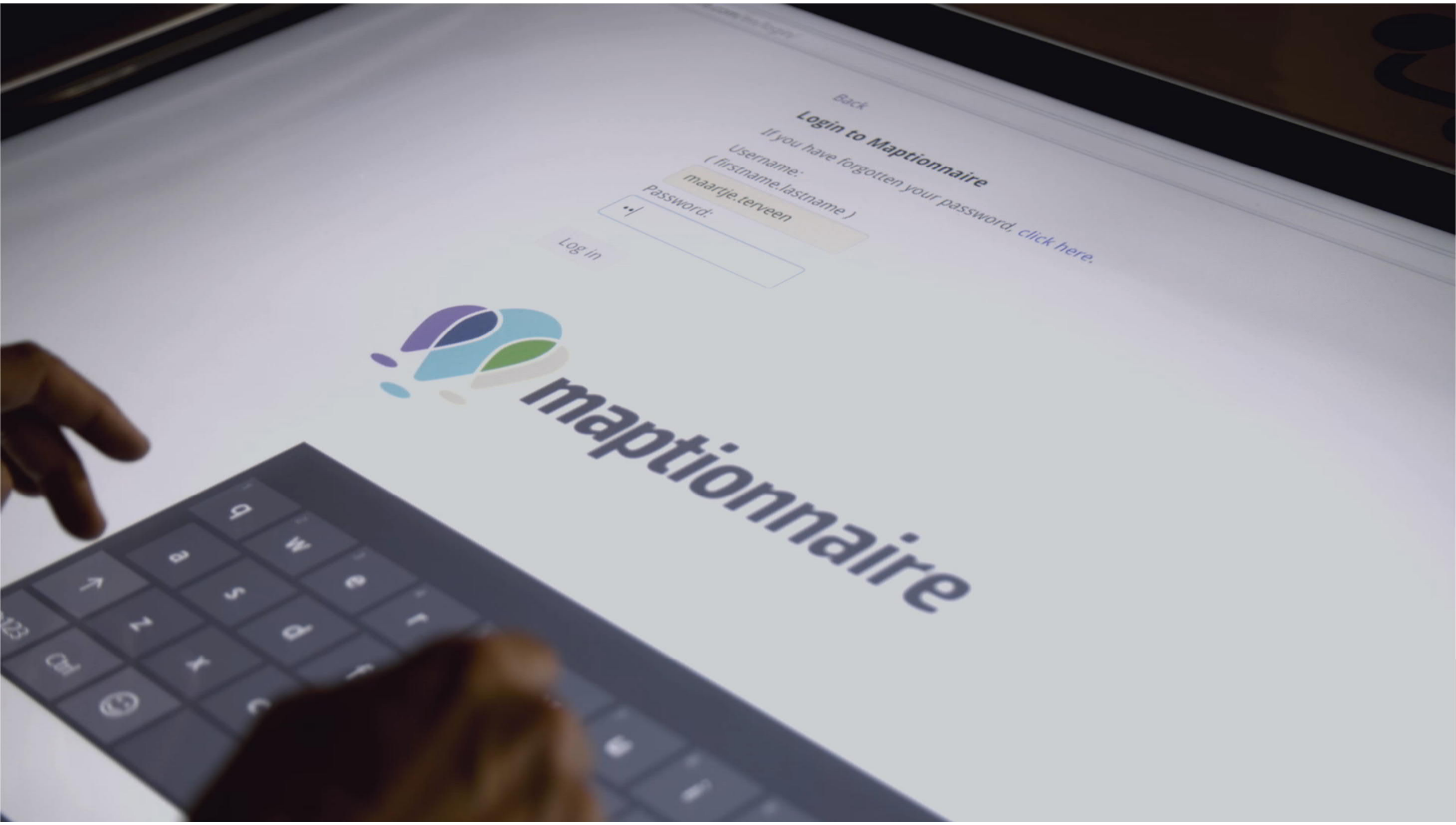
ENVIRONMENTAL PLANNING

GREEN AREA PLANNING

TRANSPORTATION PLANNING

BUILDING DESIGN

URBAN PLANNING AND DEVELOPMENT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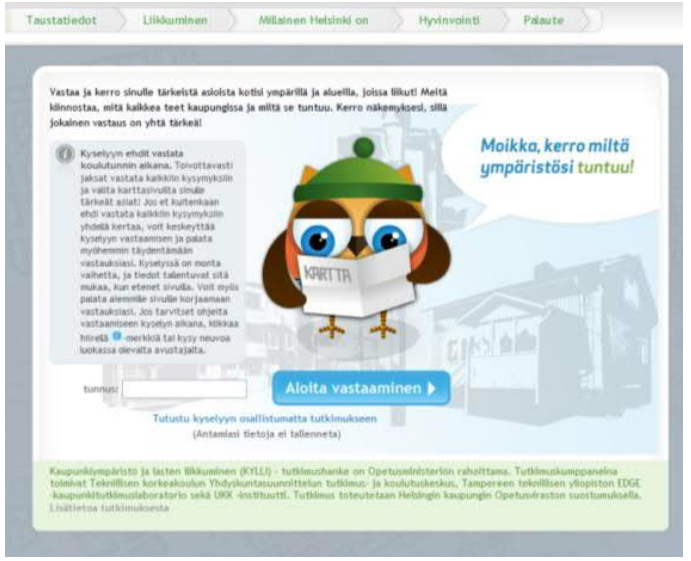
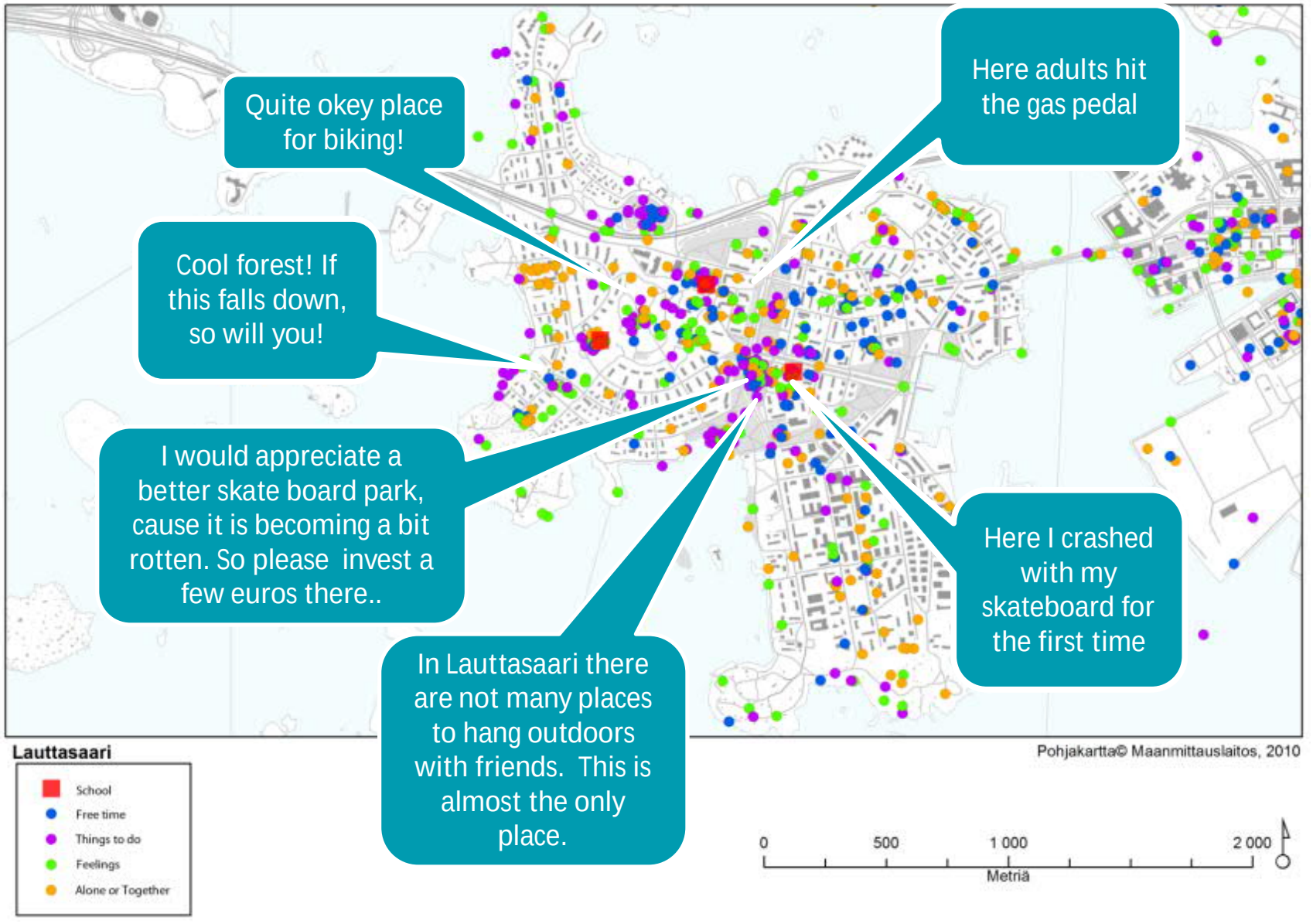
EDIT TRANSLATE PREVIEW PUBLISH RESULTS

# CONTEXT-SPESIFIC KNOWLEDGE FROM CHILDREN




**Kids out-survey in Helsinki**

**1100 respondents**



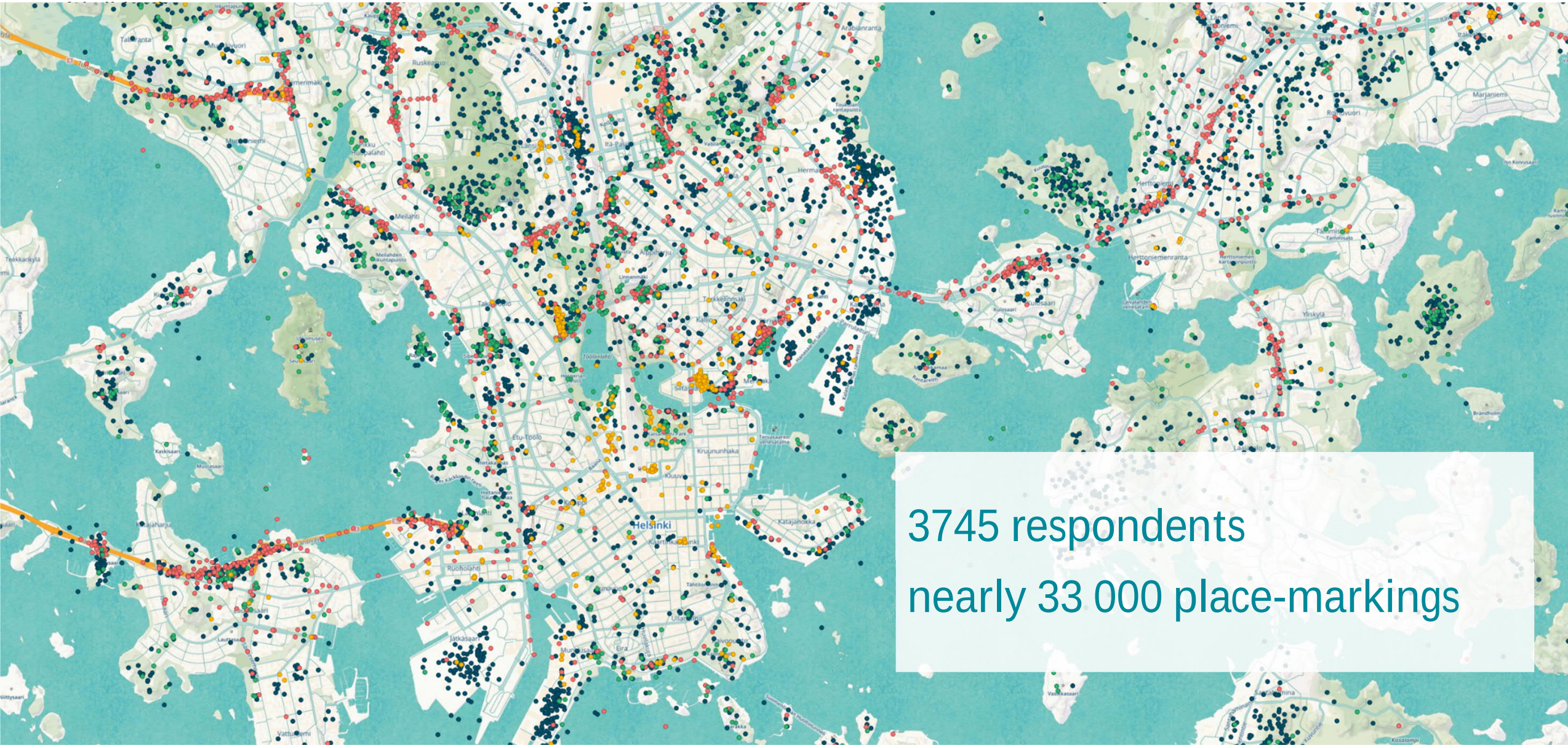

Broberg, A. Salminen, S. & Kyttä, M. (2013) Physical environmental characteristics promoting independent and active transport to children's meaningful places. Applied Geography, Vol. 38, 43-52.

# … ALSO THE AGING PEOPLE CAN BE REACHED

*Gottwald, S. Laatikainen, T. Kyttä, M. (2016) Exploring the usability of PPGIS among older adults: challenges and opportunities. International Journal of Geographical Information Science, 1-18.*

# … AND PEOPLE USING VARIOUS LANGUAGES

# CASE: HELSINKI CITY PLAN

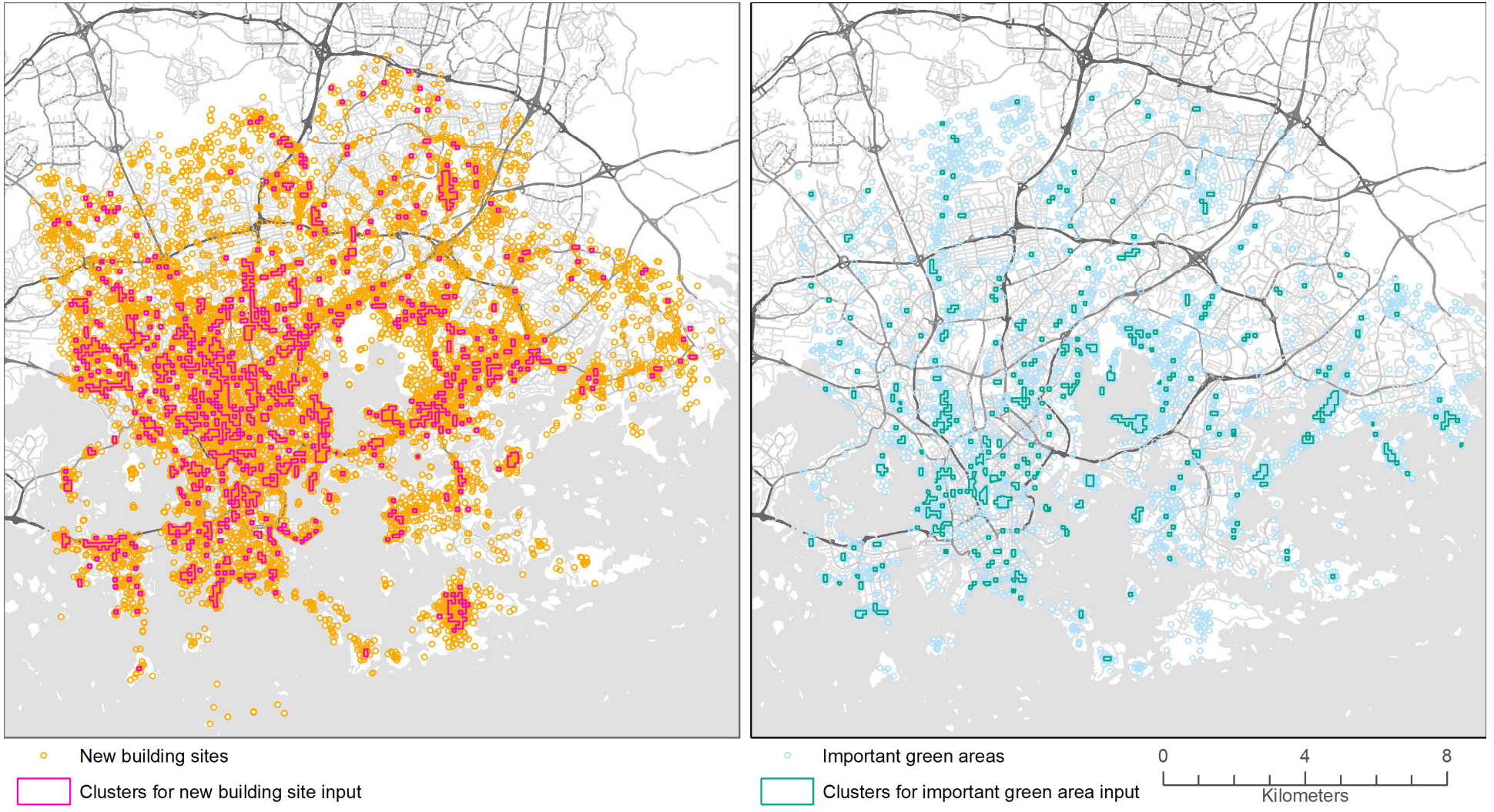



3745 respondents

nearly 33 000 place-markings

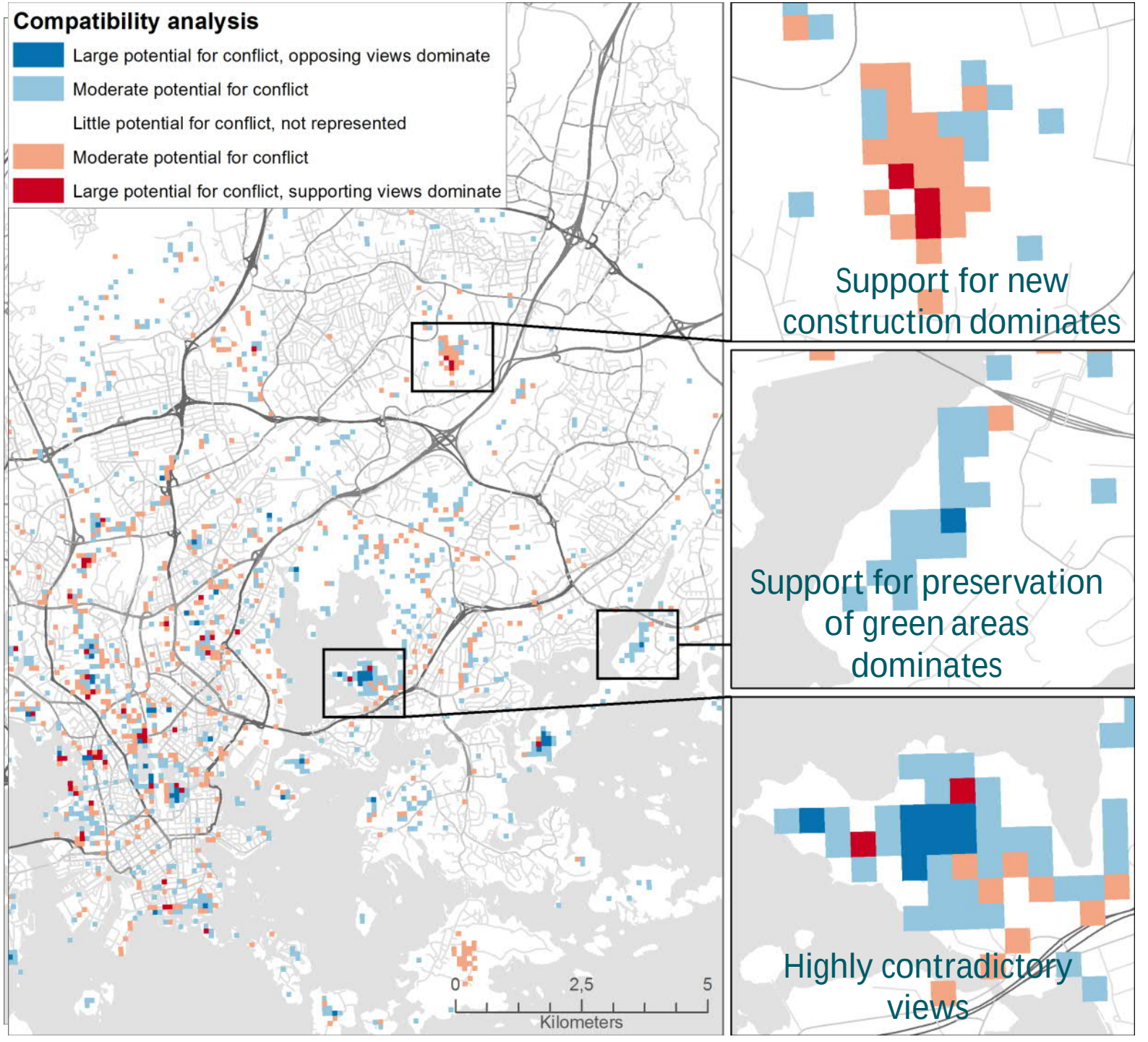
# NEW TYPE OF KNOWLEDGE IN A VISIBLE FORMAT

## Case Helsinki Master plan: Locations of the new building sites & green areas that should be protected



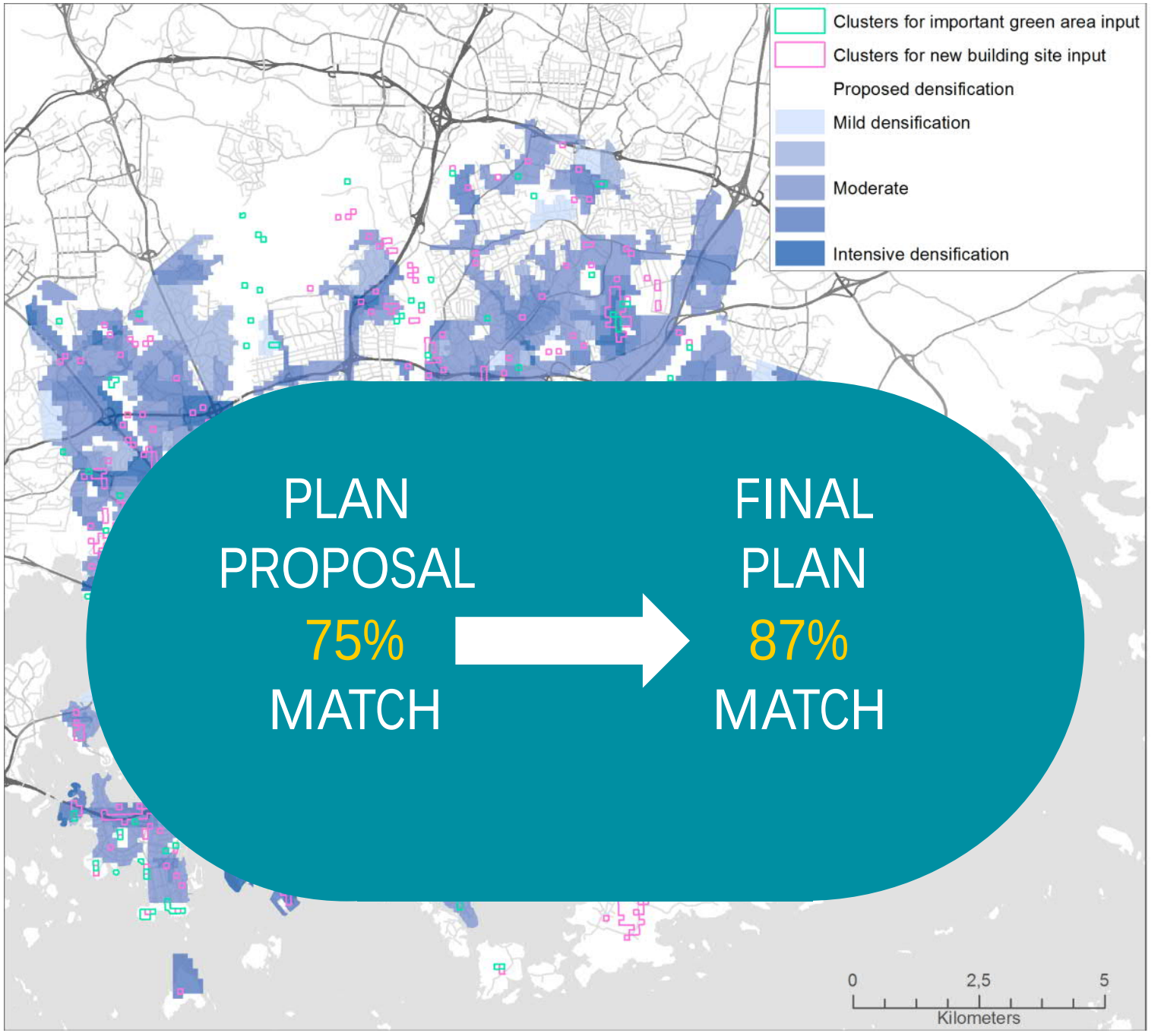
# REVEALES RESIDENTS' CONFLICTING VIEWPOINTS OF THE PLANNING TOPIC

Case
Helsinki Master Plan:
Compatibility-
analysis



# MORE INFLUENTIAL PARTICIPATION?

## The comparison between participants' views and the Helsinki Master Plan proposal




Kahila, M. Broberg, A. Kyttä, M. & Tyger, T. (2016) Let the citizens map - Public participation GIS as a planning support system in Helsinki 2050 master planning process. *Planning practice and research*, 31, 2, p. 195-214.

# PLACE-BASED DATA FROM PEOPLE CAN BE INTEGRATED TO EXISTING SYSTEMS

**Case: City of Lahti, Finland**

# THANK YOU!

Please contact:
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