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Faculty of Geodesy and Cartography  
Warsaw University of Technology

# SOCIAL (GEO)PARTICIPATION AND GAMIFICATION IN THE PROCESS OF URBAN DEVELOPMENT PLANNING

Robert Olszewski

**A CITY IS NOT GAUGED BY ITS LENGTH AND WIDTH,  
BUT BY THE BROADNESS OF ITS VISION  
AND THE HEIGHT OF ITS DREAMS**

**HERB CAEN**

**THIS CITY IS WHAT IT IS BECAUSE  
PEOPLE ARE WHAT THEY ARE**

**PLATO**



**SMART CITY**

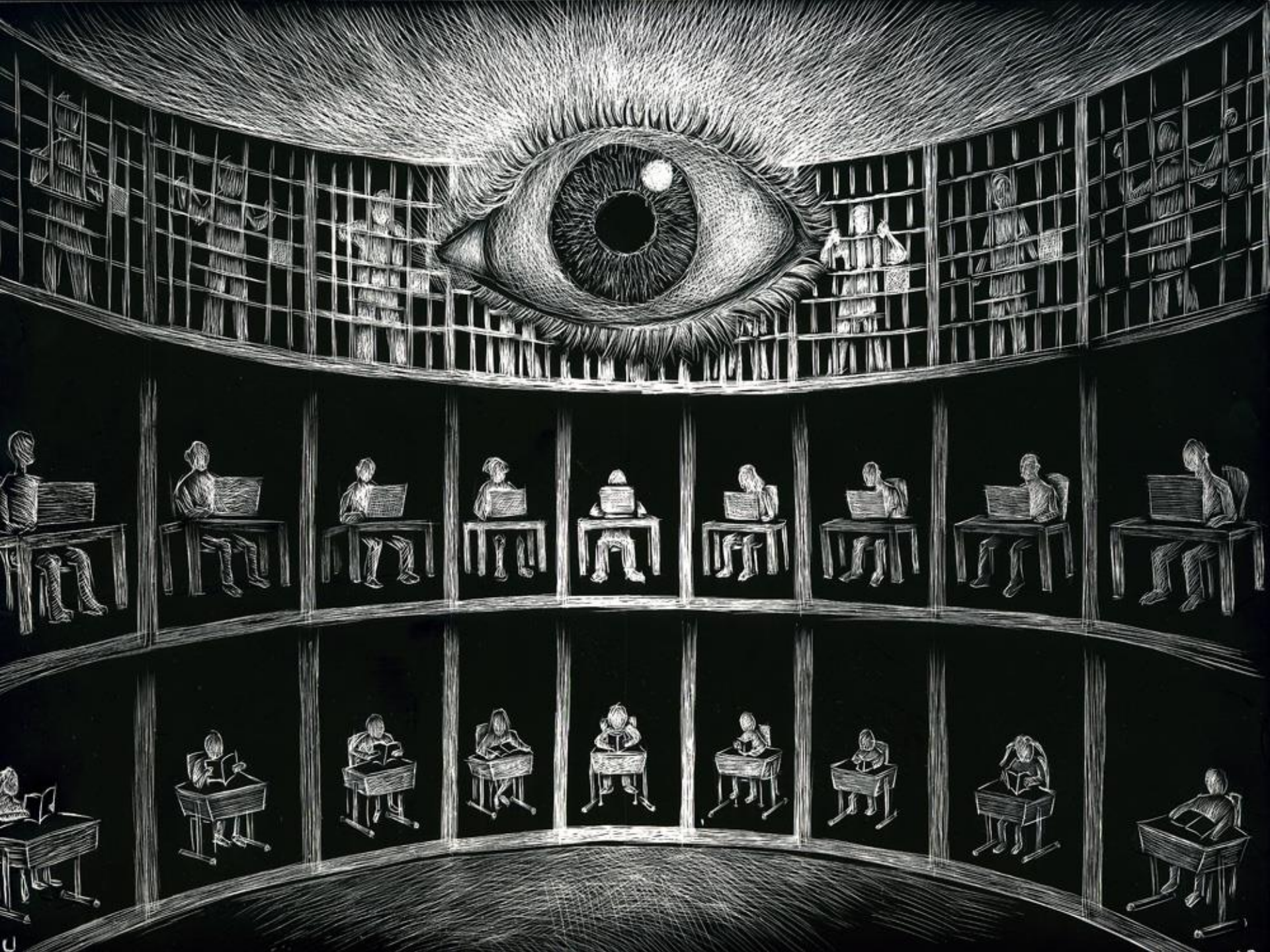
ODE TO JOY











**SMART CITY**

#### 4. City Content: Best Practices & Policy Examples

Utilities



Transportation



Real Estate



City Services



#### 3. City Components

#### 2. City Indicators (appropriate and matching)

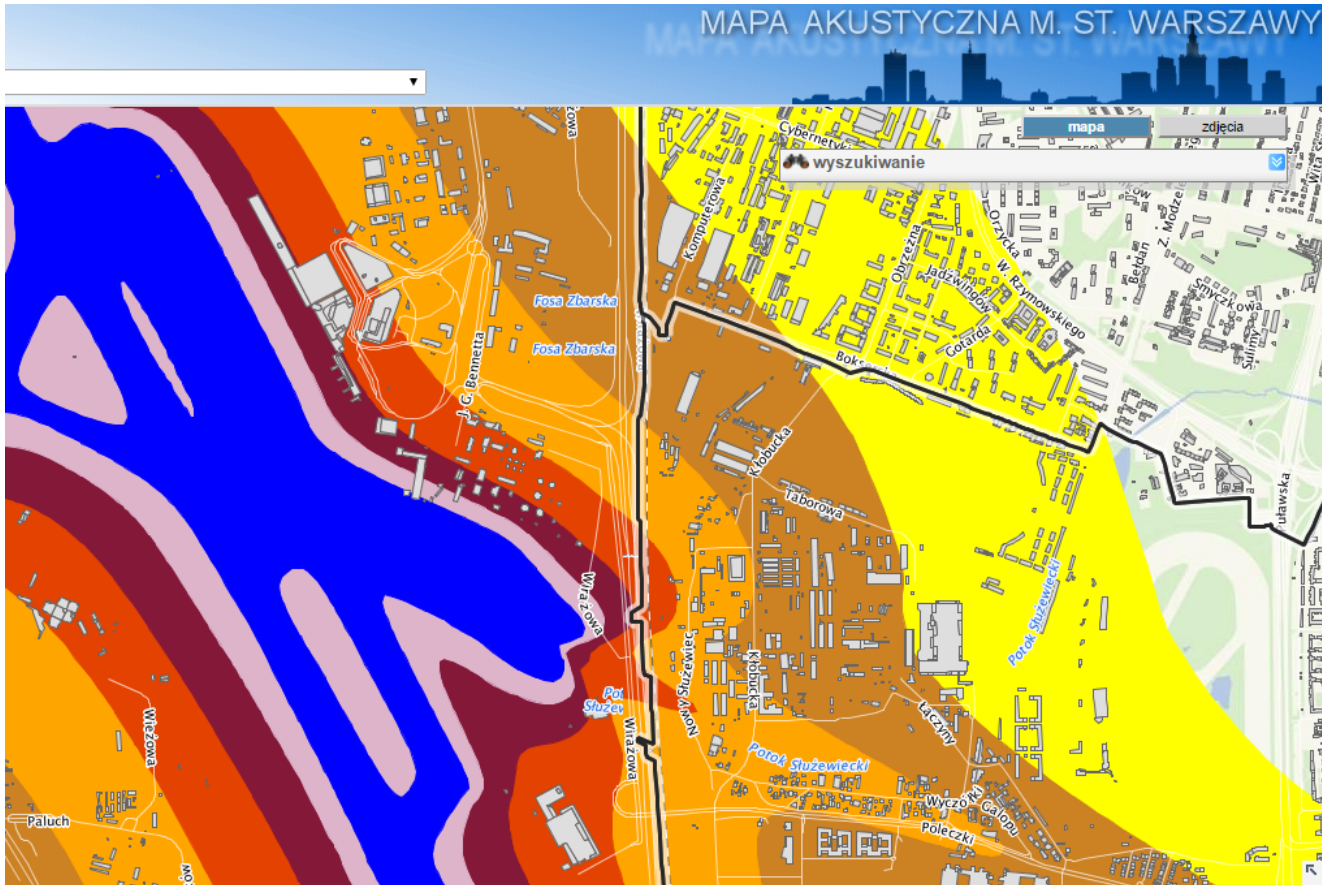
#### 1. City Objectives: Social, Environmental, Economic



# spatial planning



# environment monitoring and protection

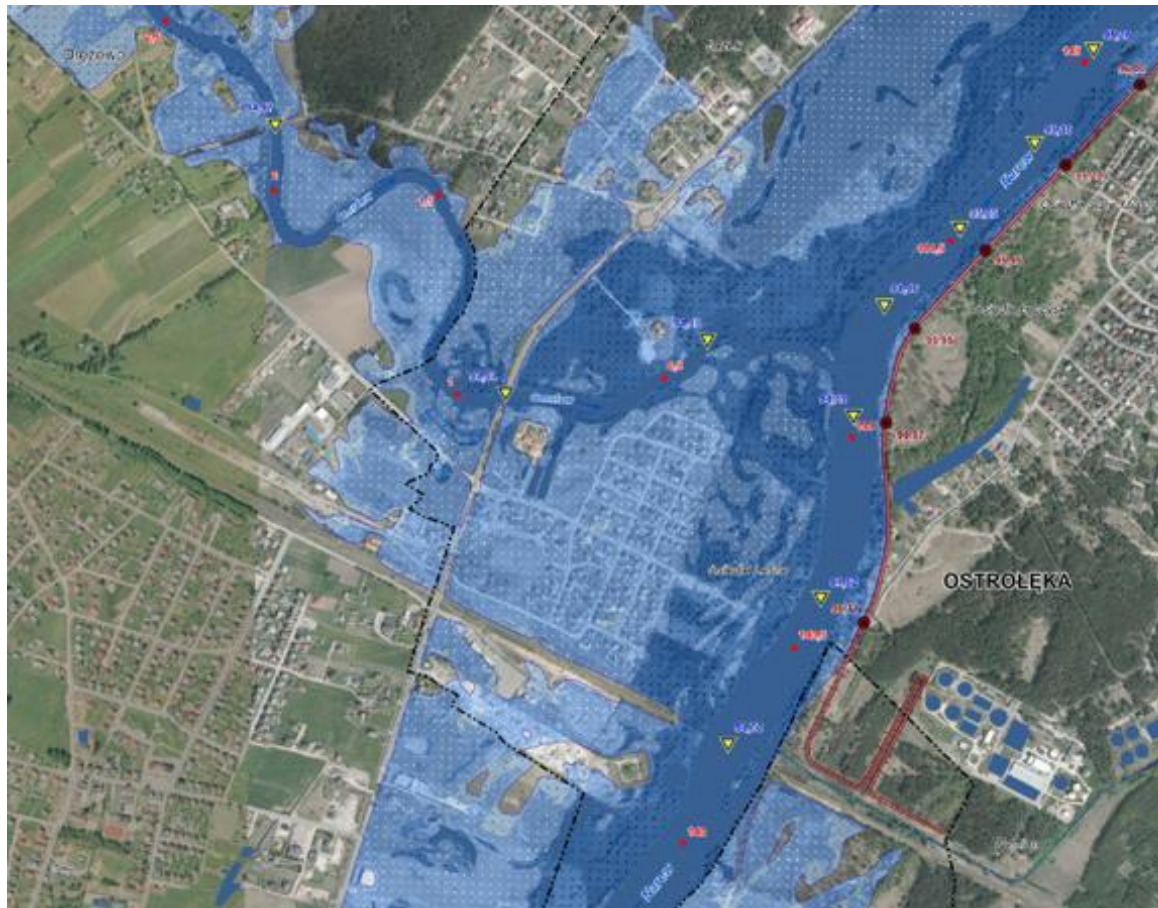




# security monitoring



# flood risk



# "smart" lighting





# Participatory budgeting - New York

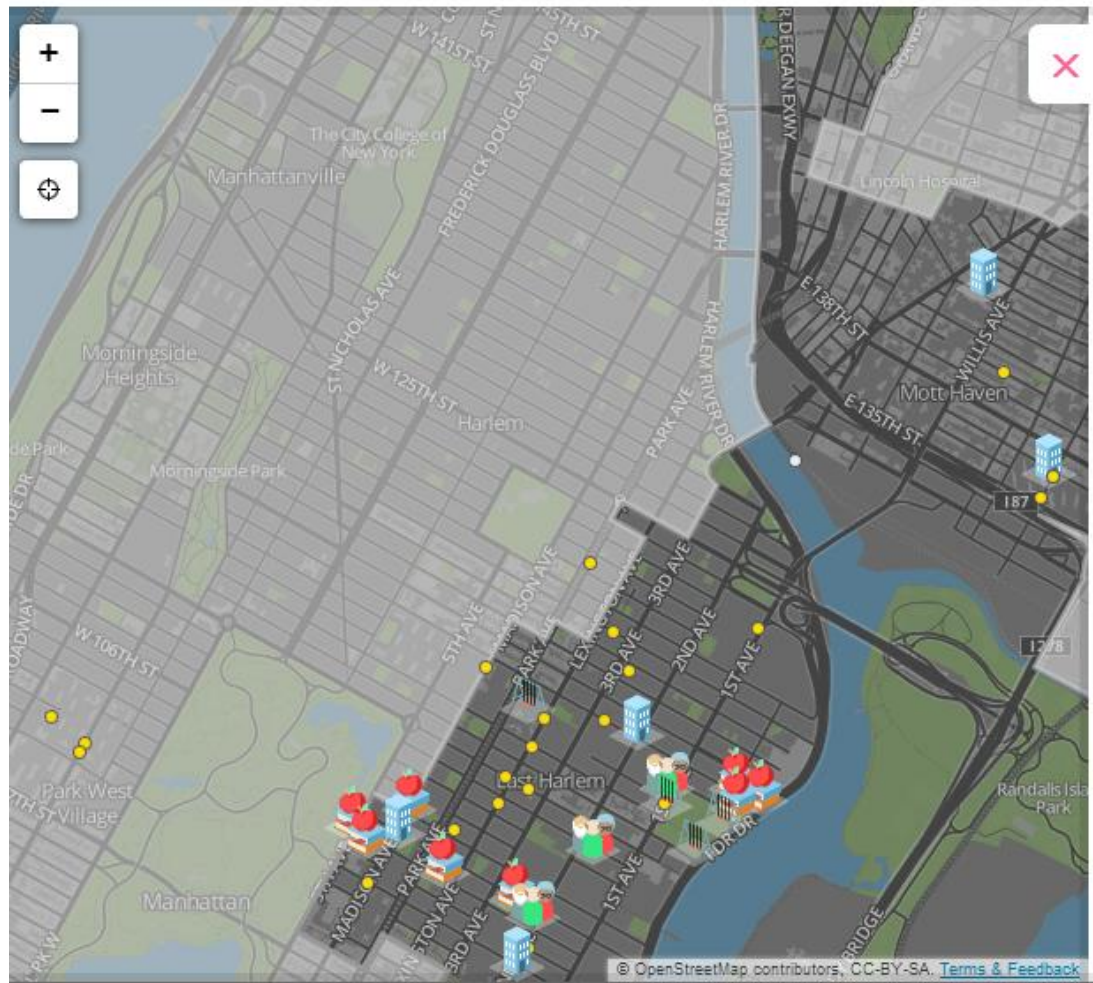


How would YOU  
spend \$1 Million?

ABOUT

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[GET MORE INFO](#)



Culture and Community  
Facilities



Schools and Education



Environment



Housing



Parks and Recreation



Public Health



Public Safety



Seniors



Streets and Sidewalks



Transit



Youth

● Previously funded

○ Proposed, not shortlisted

# Interactive visualizations holographic model



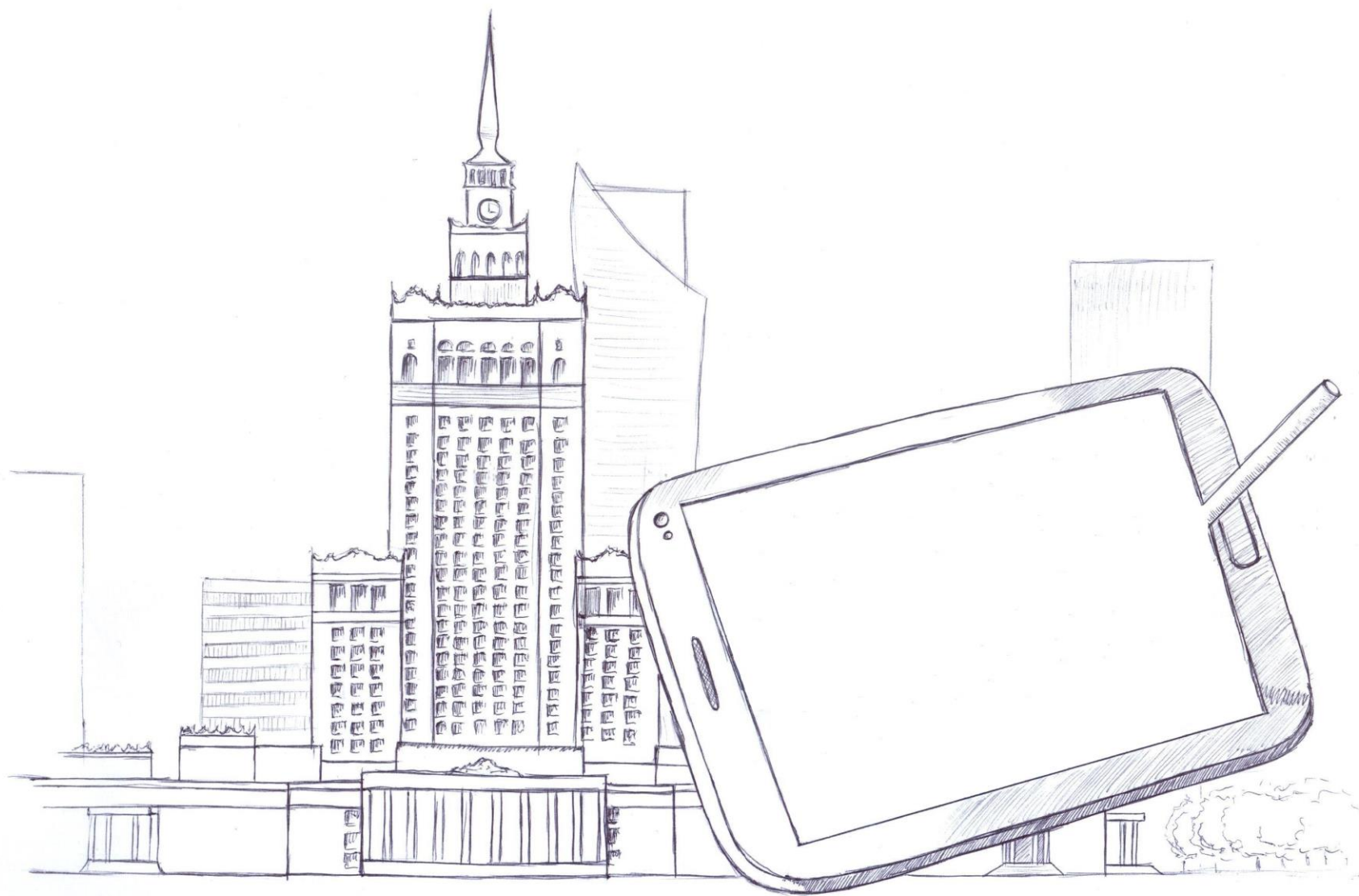
## Urban Explorer Table 2 - Visualization for city planning and more

Urban Explorer Table 2 was developed by Interactive Institute Swedish ICT together with the city planning office of Norrköping in Sweden in close collaboration with Visualisation Centre C, Hyresbostäder in Norrköping and City Planning Office of Gothenburg

<http://vimeo.com/66893989>



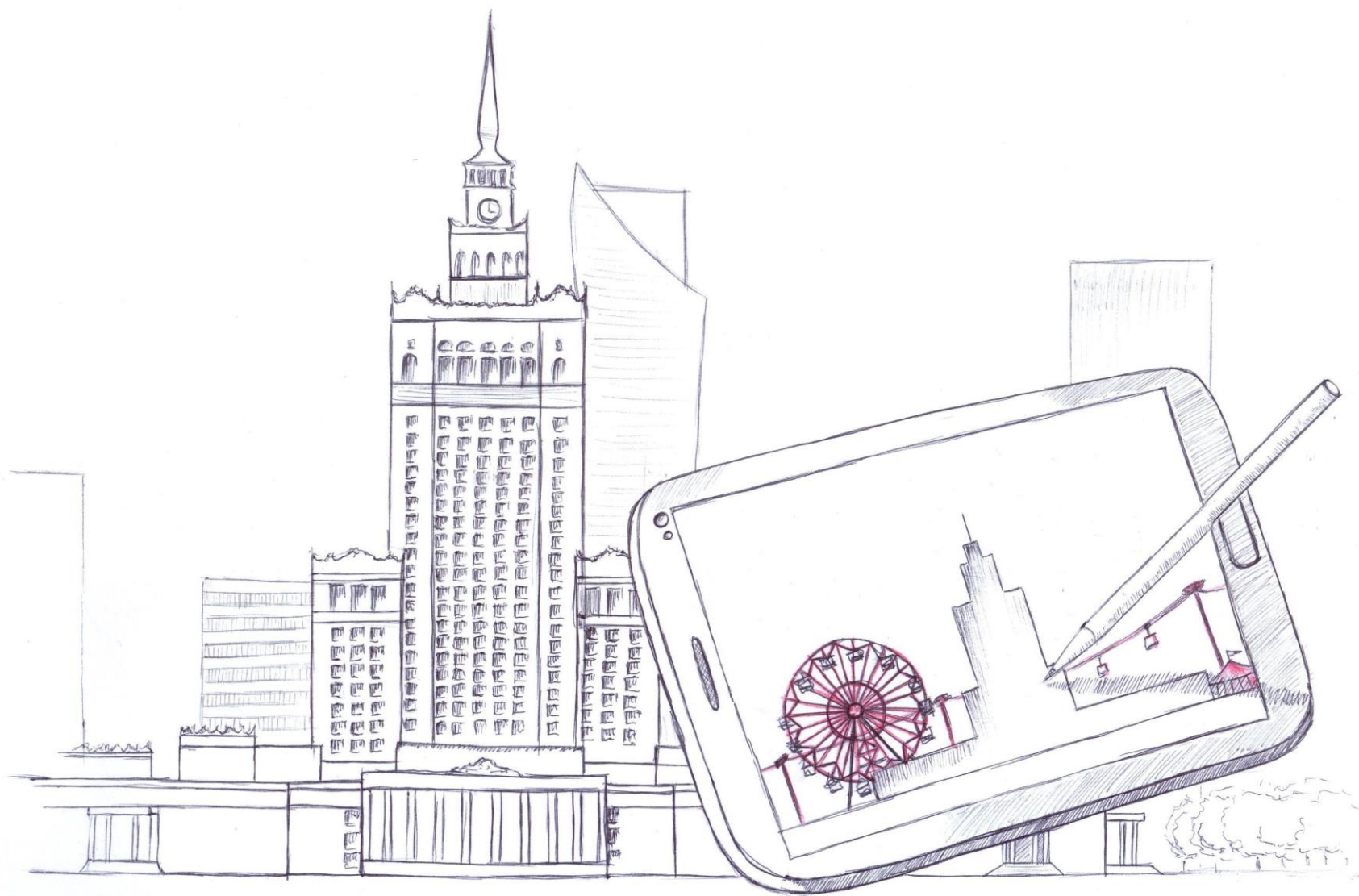
# **GEO PARTICIPATION**







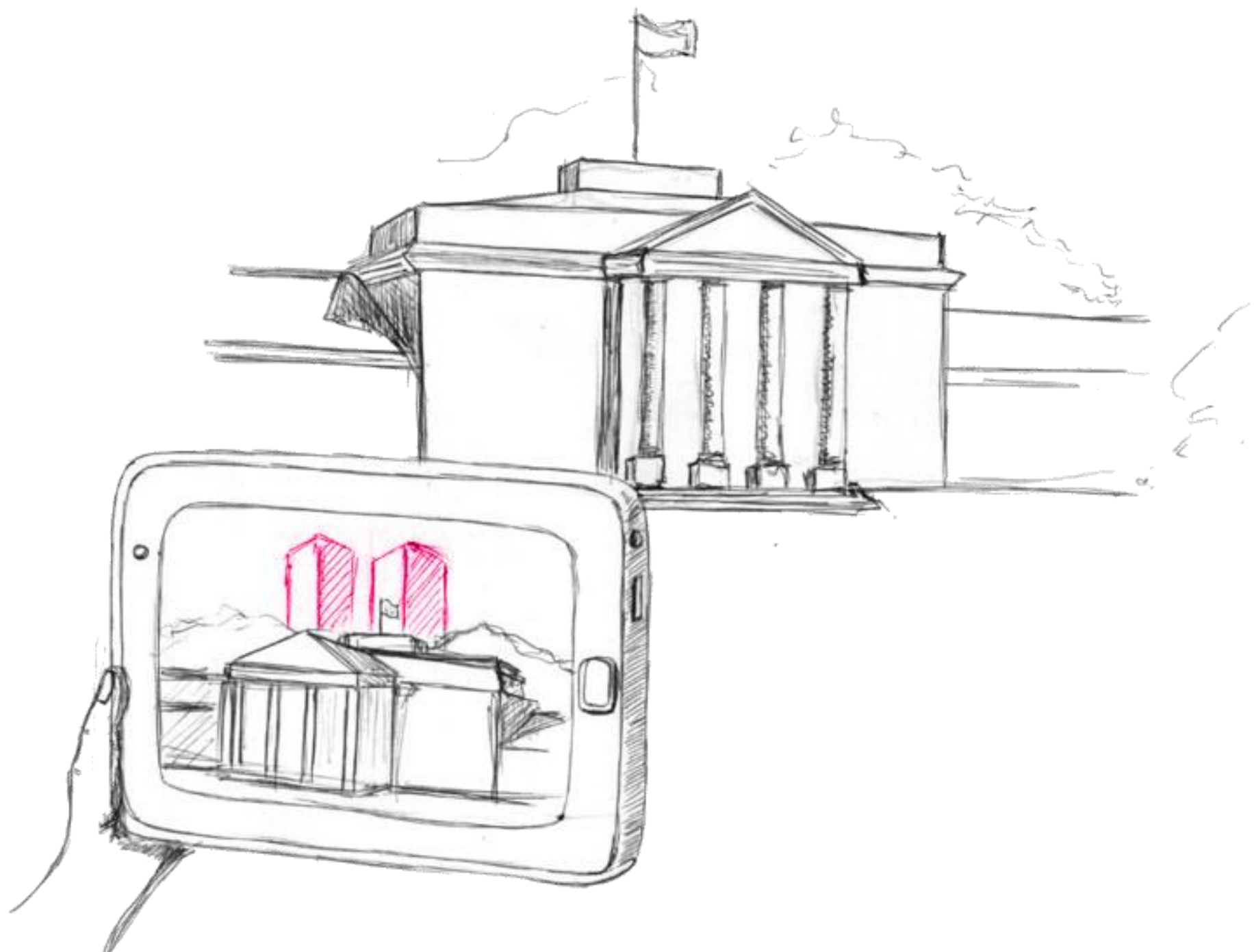
















# The Hanko of memories and dreams

The purpose of this online service is to collect stories and memories from the past of Hanko, experiences of today's Hanko and ideas for the future of Hanko.

Both visitors and residents of Hanko are invited to contribute. The service has been implemented in cooperation with the town of Hanko, Aalto University, and the University of Helsinki, and one of its aims is to produce data for the Hanko national urban park project. The service is part of the CODSGI project funded by the Academy of Finland. One of the goals of the project is to examine the role place-related memories have in urban planning.

The online survey will be available from 1 March 2015 to 30 September 2015.

Further information:

Town of Hanko: Kukka-Maaria Luukkonen, [kukka-maaria.luukkonen\\_at\\_hanko.fi](mailto:kukka-maaria.luukkonen_at_hanko.fi)

Aalto University: Maarit Kahila, [maarit.kahila\\_at\\_aalto.fi](mailto:maarit.kahila_at_aalto.fi)



日本語

svenska

suomi

English





# Hanko of the future? Have an impact on the planning of the urban park.

Mark places that you hope will change or remain as they are. You can also upload your photographs.

We are mapping the following places mainly for the ongoing Hanko national urban park project which will entail drafting a management plan for the park in spring 2015.

You can view all the places located in the urban park by making the selection in the top right corner of the map.

A place that could be developed



A place that should be left as it is



An important place in the urban park (You can upload your photographs)



Contact





Jakiego rodzaju obiekty chciał(a)byś umieścić na tym terenie?

- |   |  |
|---|--|
| <input type="checkbox"/> zielen                 | <input type="checkbox"/> zabudowa biurowa                |
| <input type="checkbox"/> obiekty handlowe       | <input checked="" type="checkbox"/> muzea                |
| <input type="checkbox"/> sale koncertowe        | <input type="checkbox"/> obiekty użyteczności publicznej |
| <input type="checkbox"/> obiekty gastronomiczne | <input type="checkbox"/> Inne                            |

Jakie? .....

Zatwierdź



Zmień



Oznacz






CONIUNCTA

Zakreśl miejsca, które lubisz i których nie lubisz

 PŁOCK

## Legenda

☒  granica badanego obszaru

Google

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Lubię



Nie lubię



Odznacz





CONIUNCTA

Co powinno się tu według Ciebie znaleźć?

 PŁOCK

### Jakiego rodzaju obiekty chciał(a)byś umieścić na tym terenie?

- |  |   |
|--|---|
| <input type="checkbox"/> zieleń                                | <input type="checkbox"/> obiekty handlowe     |
| <input type="checkbox"/> obiekty gastronomiczne                | <input type="checkbox"/> obiekty biurowe      |
| <input checked="" type="checkbox"/> obiekty związane z kulturą | <input type="checkbox"/> urzędy               |
| <input checked="" type="checkbox"/> Inne                       | <input type="checkbox"/> instytucje finansowe |

miejska agora

Zatwierdź

Google

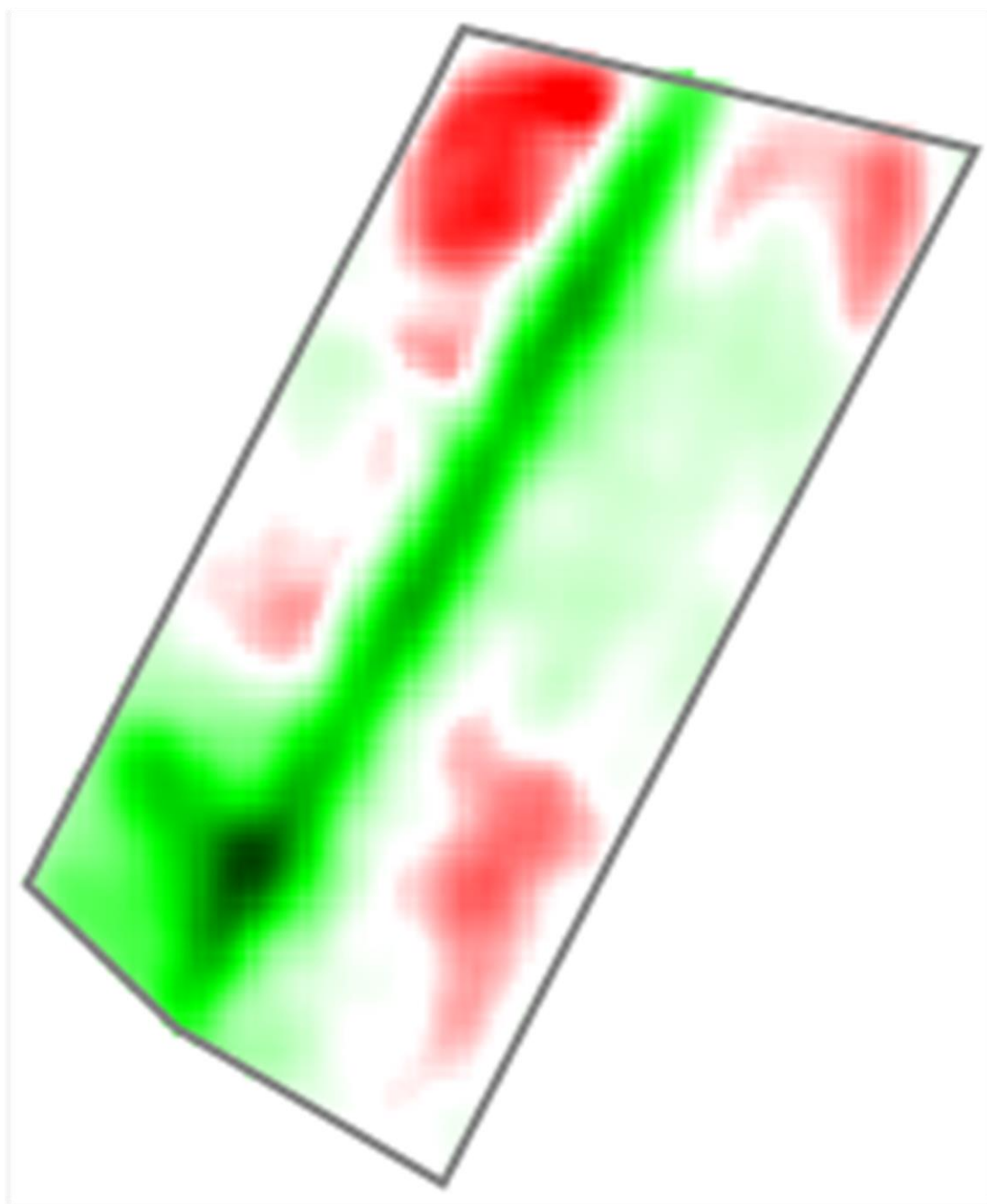
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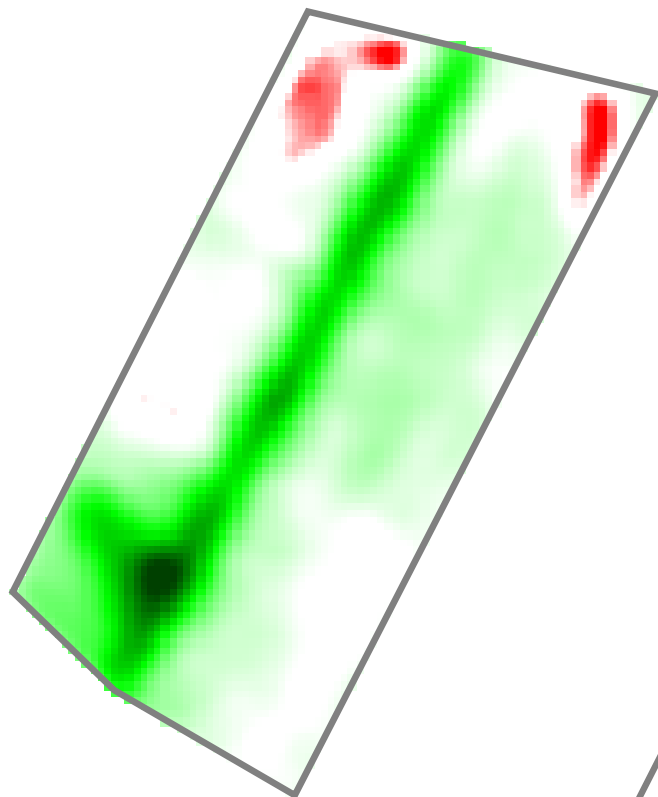


Zaznacz

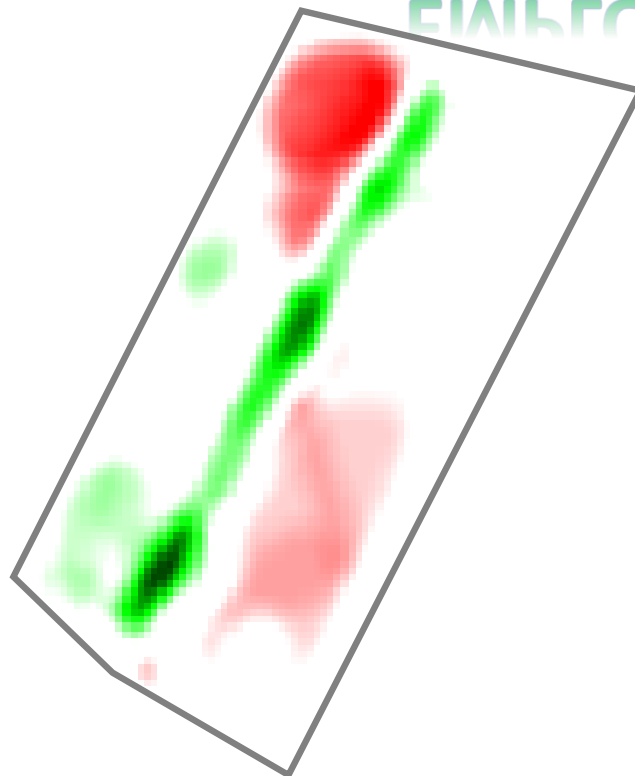


Odnacz

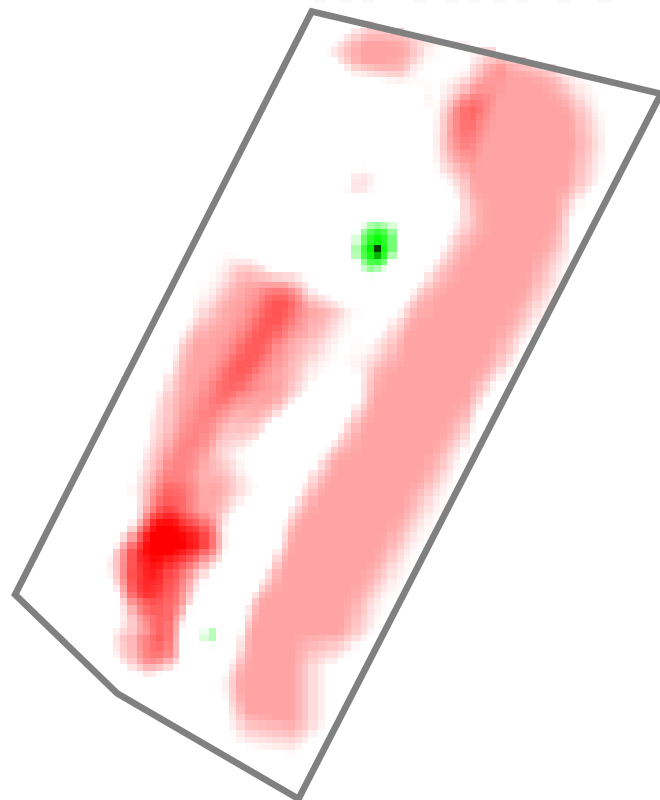




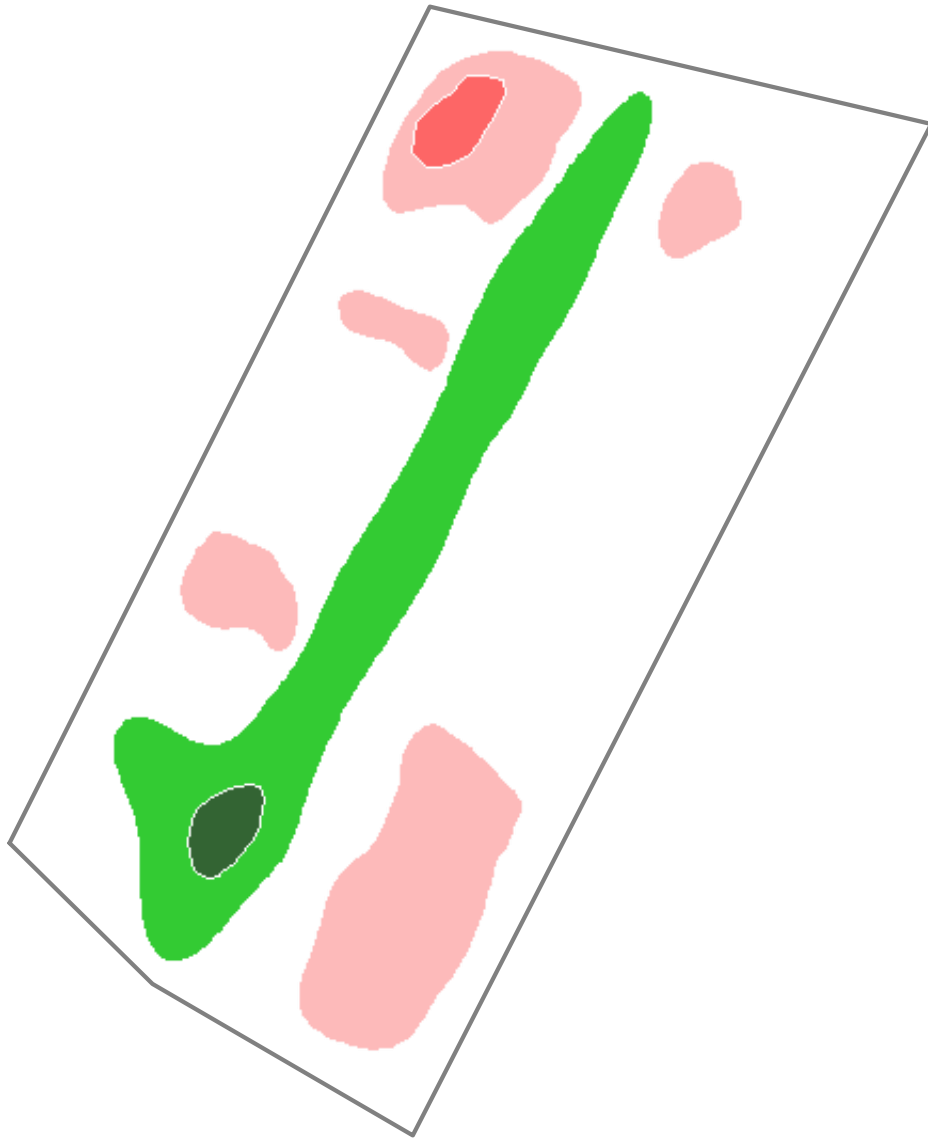
**CHILDREN**



**EMPLOYED**



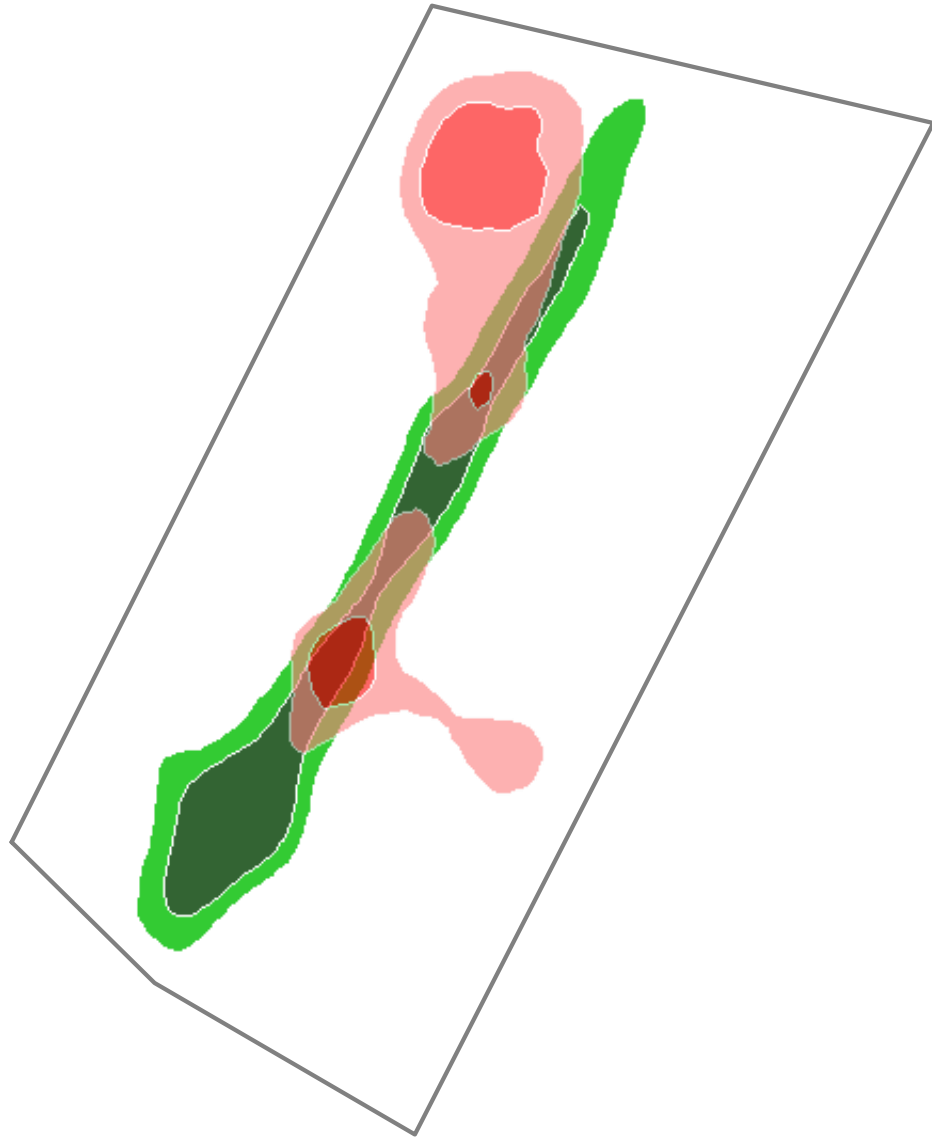
**RETIREES**



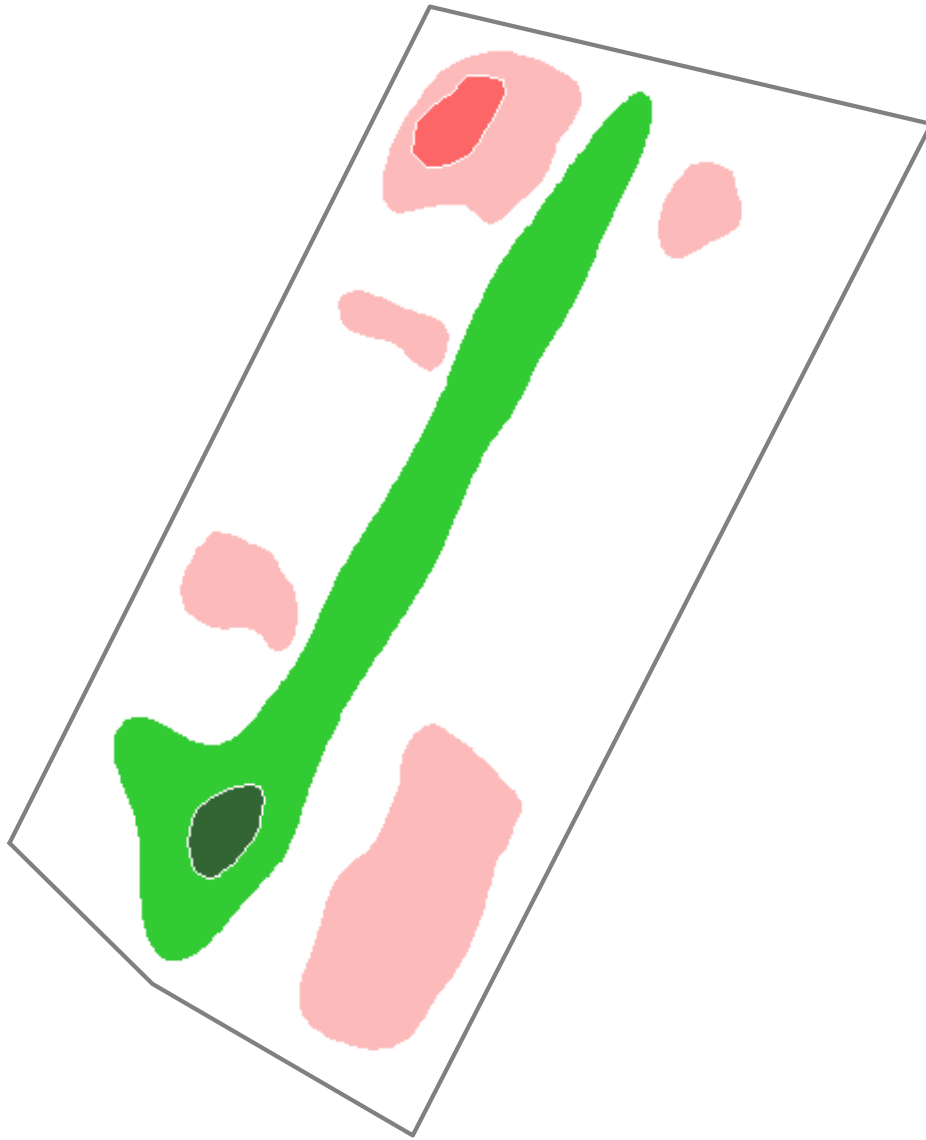
**MEN**



**WOMEN**



**MEN**



**SMART CITY**









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