

# Public participation in urban planning with the use of online GIS

---

MAREK MŁODKOWSKI  
MICHAŁ CZEPKIEWICZ

INSTITUTE OF GEOECOLOGY AND GEOINFORMATION,  
ADAM MICKIEWICZ UNIVERSITY IN POZNAŃ

Cities of Change – cooperation of cities in the field of city development  
Poznań 22-23.10.2014



This presentation is based on research project:

**An Experimental Study of Public Participation in Planning Decision Making  
Using Web-based Geographic Information System**

Funded by:

**Polish National Science Center**

Research team:

**Prof. dr Piotr Jankowski**

Prof. UAM dr hab. Zbigniew Zwoliński

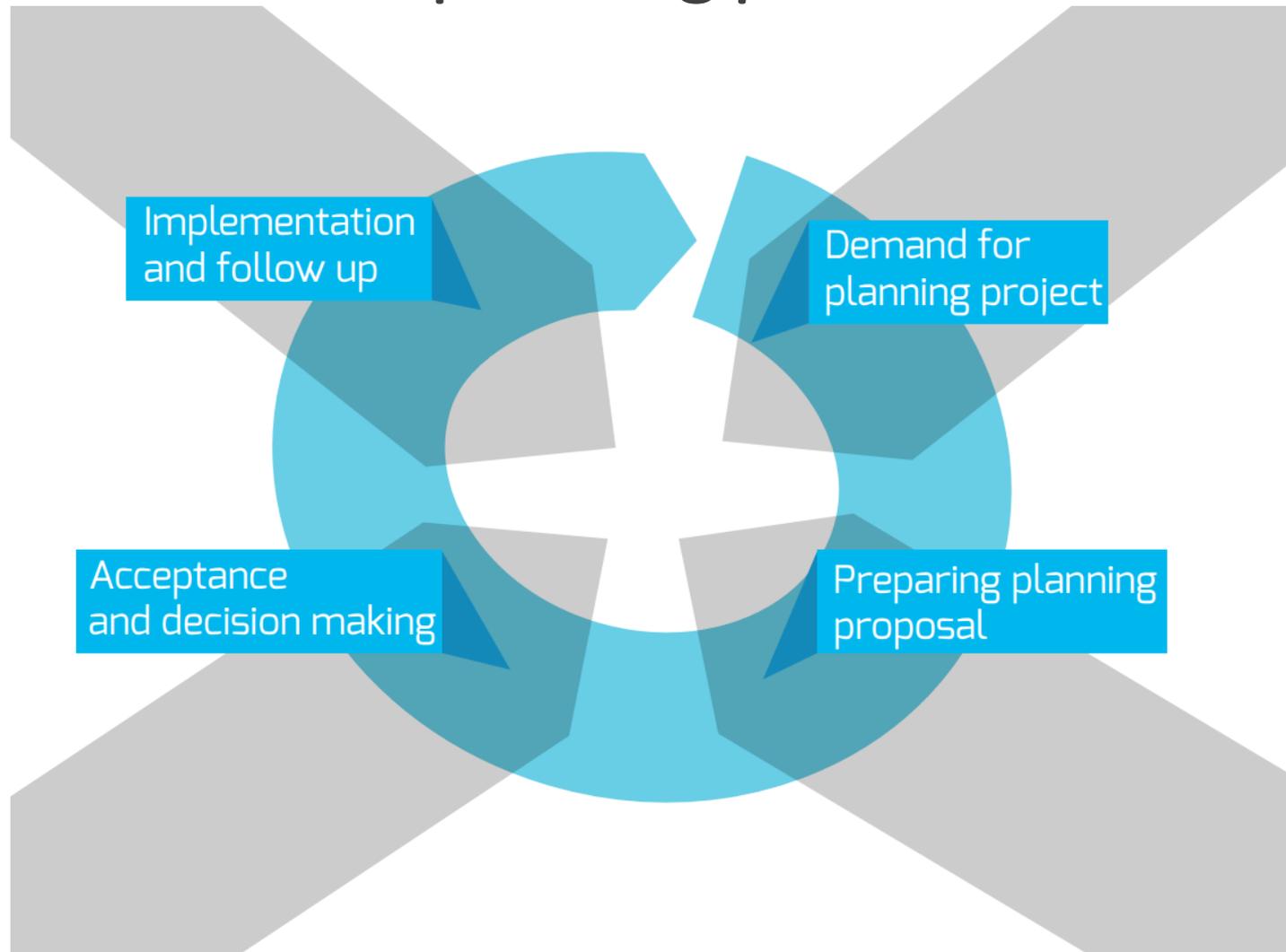
Prof. dr hab. Tomasz Kaczmarek

Mgr Marek Młodkowski

Mgr Michał Czepkiewicz

Mgr Michał Wójcicki

# Phases of urban planning process



source: Marketta Kyttä, modified

# Current process of public participation in planning in Poznań

---

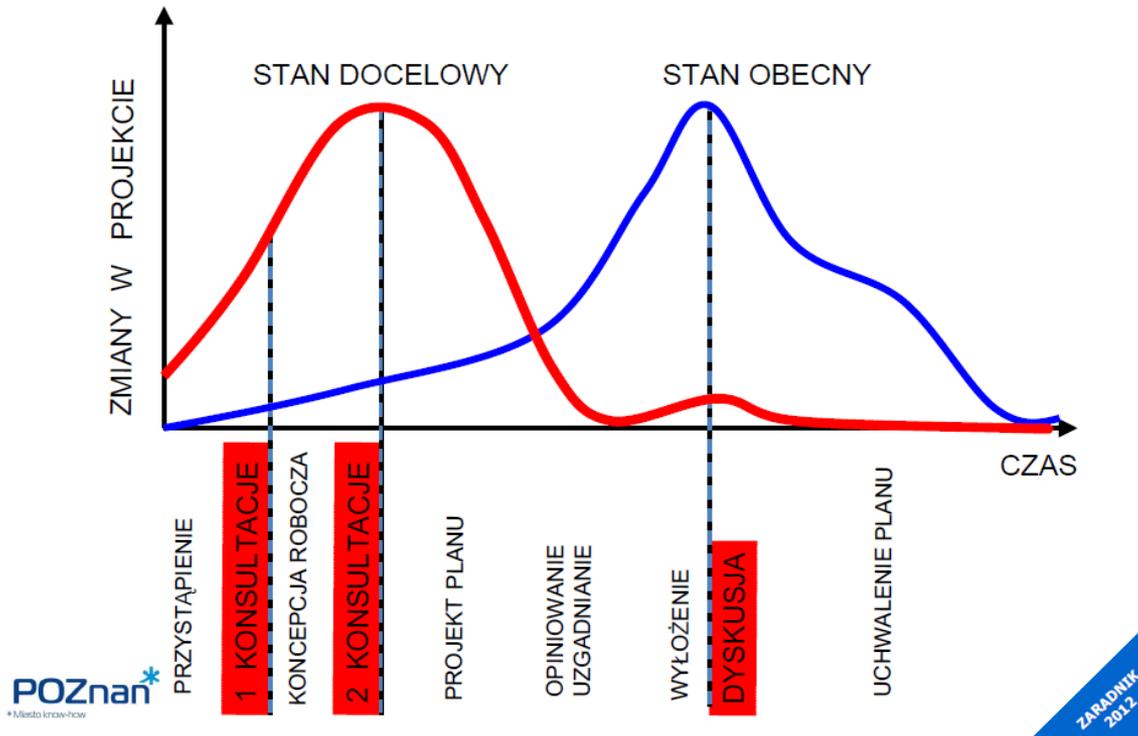
## **Public meetings:**

- at a certain time
- at a certain place
- limited access to data
- limited time (2h)
- access to urban planners
- face to face conversations

# The current process of public participation in planning

PROCEDURA FORMALNO-PRAWNA  
W CZASIE PRAC PLANISTYCZNYCH

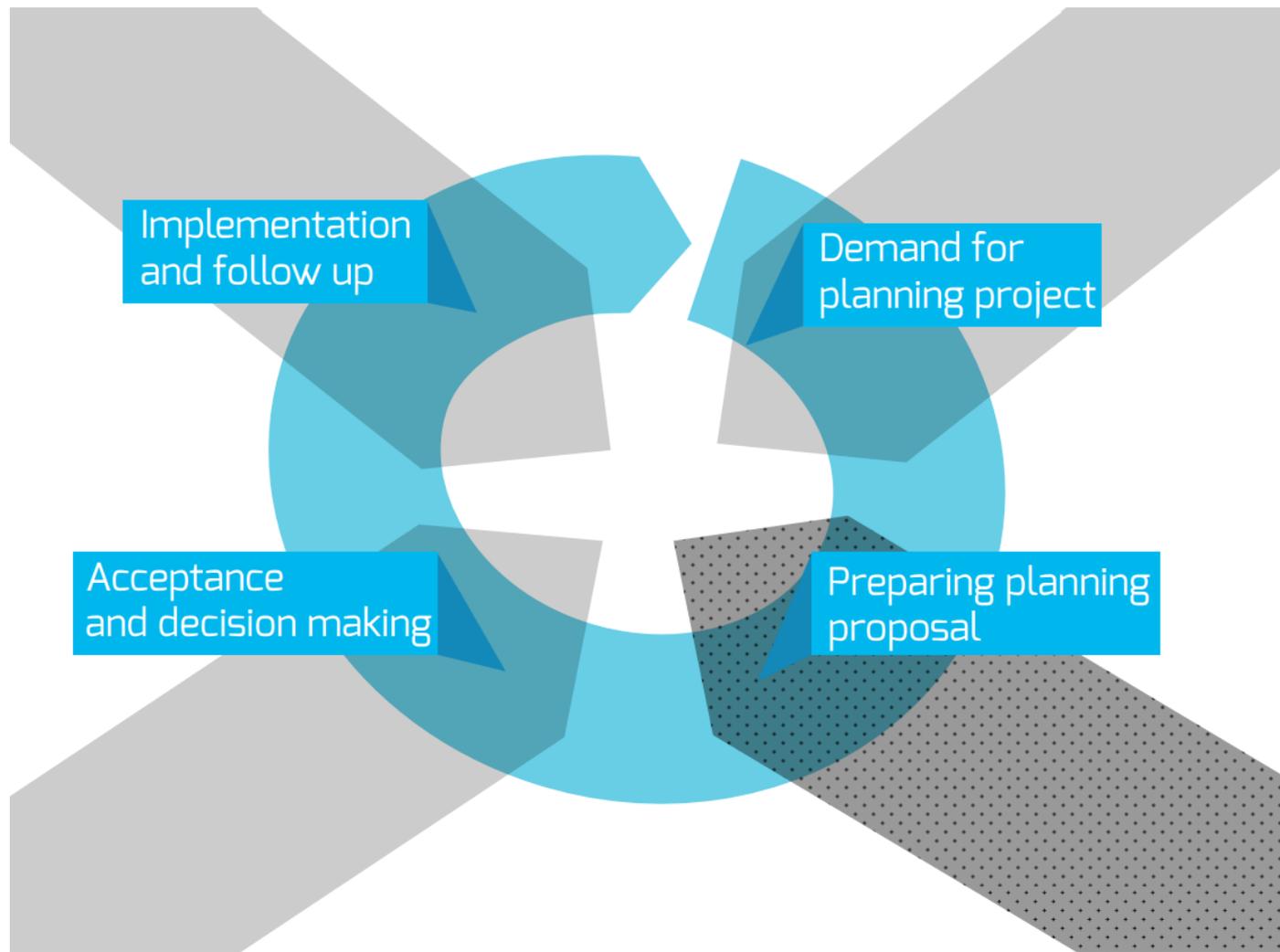
\*mpu  
Miejska Pracownia Planistyczna



source: Zaradnik - Konsultacje społeczne w Poznaniu.

First phase: residents meet with planners early in the process

# Phases of urban planning process



source: Marketta Kyttä, modified

# Case: Park Kasprowicza



Szanowni Państwo  
Zapraszamy do wyrażenia swoich opinii i propozycji na temat  
zagospodarowania przestrzennego

## okolic Parku Kasprowicza

Prosimy o wypełnienie ankiety znajdującej się na stronie internetowej

**[www.planujswojemiasto.pl](http://www.planujswojemiasto.pl)**

Wypełnienie ankiety zajmuje około 10 minut.

Badanie jest realizowane przez Wydział Nauk Geograficznych i Geologicznych Uniwersytetu im. Adama Mickiewicza w Poznaniu w porozumieniu z Miejską Pracownią Urbanistyczną w Poznaniu.

Wyniki ankiety stanowiąc będą cenne źródło informacji na temat oczekiwanych zmian zagospodarowania tego obszaru. Państwa opinie i propozycje zostaną wykorzystane w dalszych pracach planistycznych.

Dziękujemy za wypełnienie ankiety,  
Zespół badawczy przy Wydziale Nauk Geograficznych i Geologicznych,  
UAM w Poznaniu



PLANUJ  
SWOJE  
MIASTO



partnerzy:



- place of residence
- use of area covered by plan
- general preferences towards development and land use changes
- places to be preserved
- proposed changes in land use
- background information
- motivation for participation

# Geo-questionnaire



## PARK KASPROWICZA

STRONA 3 z 5

### ZAGOSPODAROWANIE TERENU - PROPOZYCJE ZMIAN

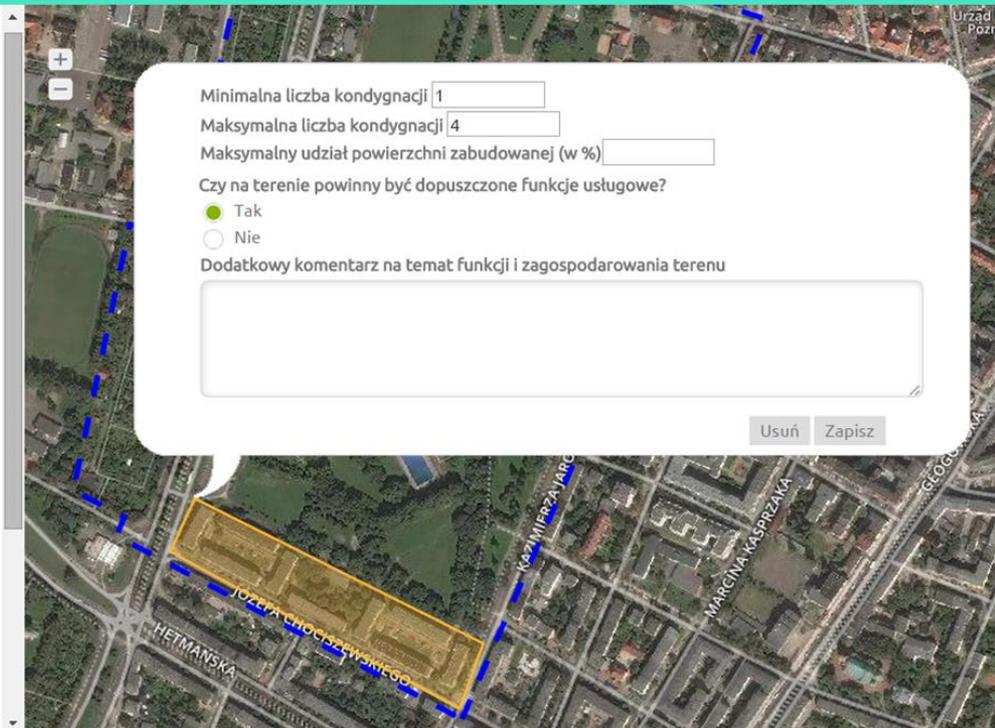
Proszę zaznaczyć na mapie obszary, które powinny **zmienić** obecne zagospodarowanie terenu. Proszę wskazać sugerowaną funkcję i sposób zagospodarowania terenu.

TEREN ZABUDOWY MIESZKANIOWEJ JEDNORODZINNEJ 

TEREN ZABUDOWY MIESZKANIOWEJ WIELORODZINNEJ 

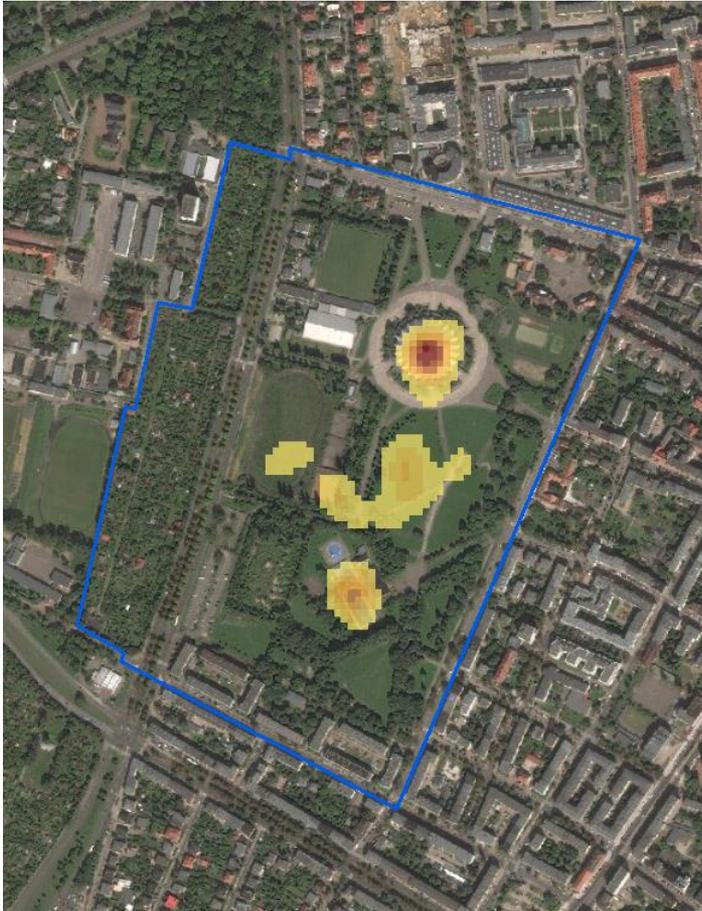
TEREN ZABUDOWY USŁUGOWEJ 

TEREN ZABUDOWY PRZEMYSŁOWEJ 



# Park Kasprowicza: preliminary results

---



Which places should remain its current function?

Example justifications:

*“Arena is an interesting architectural structure and plays an important cultural role”*

*“There are few outdoor pools in the city and removal of any of them would be too great a loss”*

*“There is a need for space for walking and recreation, and a playground for children”*

*“Sport and recreation functions should be restored at the former “Energetyk” stadium”*

*(results based on first 100 responses)*

# Park Kasprowicza: preliminary results

---

On the area covered by the planning project...

...existing green areas should be enlarged

...more sport and recreational facilities  
should be created

...allotment gardens should retain  
its current usage

...development of multi-family housing should  
be pursued

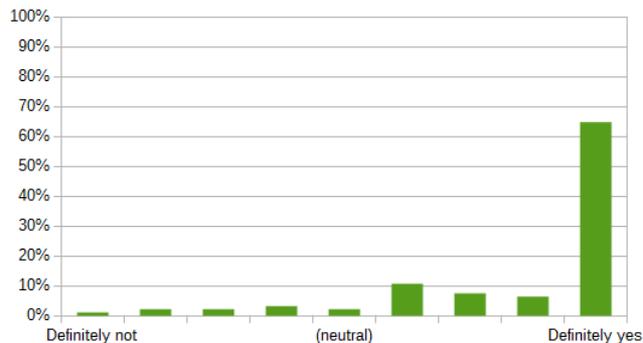
*(results based on first 100 responses)*

# Park Kasprowicza: preliminary results

---

On the area covered by the planning project...

...existing green areas should be enlarged



...allotment gardens should retain its current usage

...more sport and recreational facilities should be created

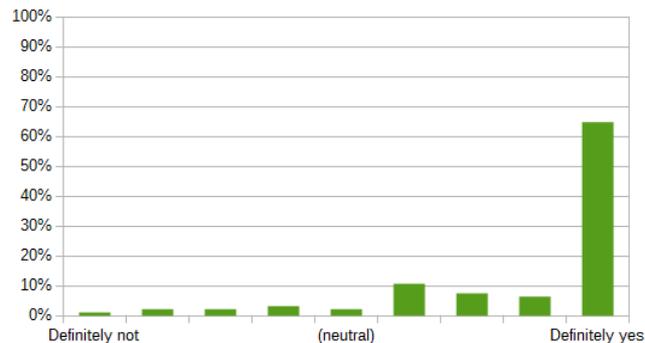
...development of multi-family housing should be pursued

*(results based on first 100 responses)*

# Park Kasprowicza: preliminary results

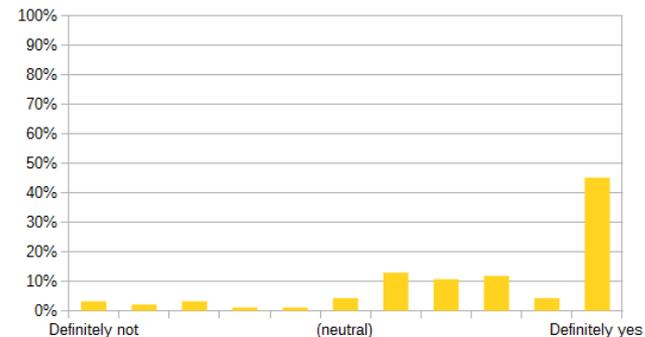
On the area covered by the planning project...

...existing green areas should be enlarged



...allotment gardens should retain its current usage

...more sport and recreational facilities should be created



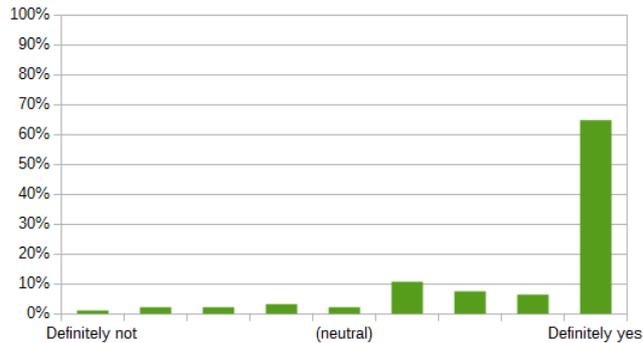
...development of multi-family housing should be pursued

*(results based on first 100 responses)*

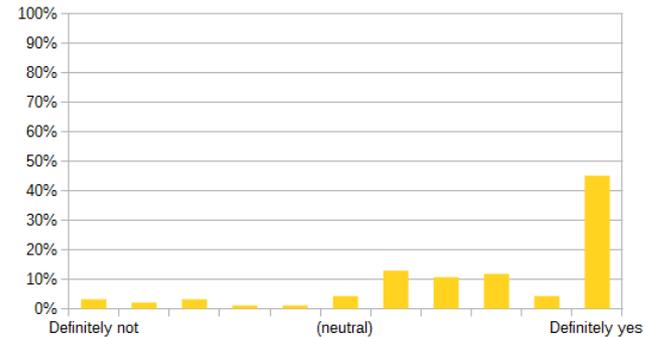
# Park Kasprowicza: preliminary results

On the area covered by the planning project...

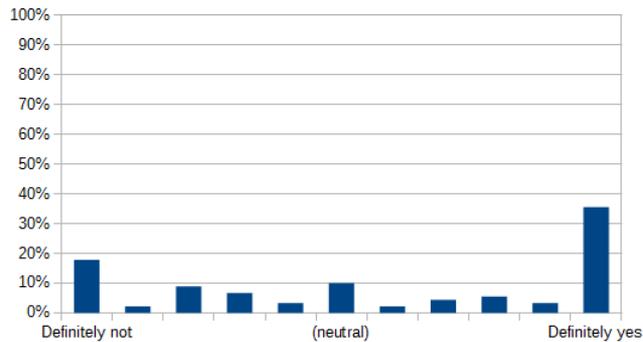
...existing green areas should be enlarged



...more sport and recreational facilities should be created



...allotment gardens should retain its current usage



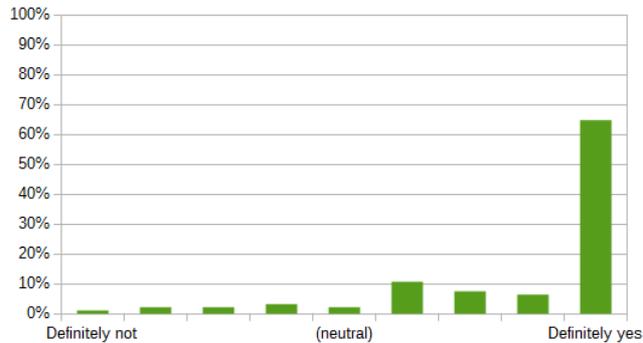
...development of multi-family housing should be pursued

*(results based on first 100 responses)*

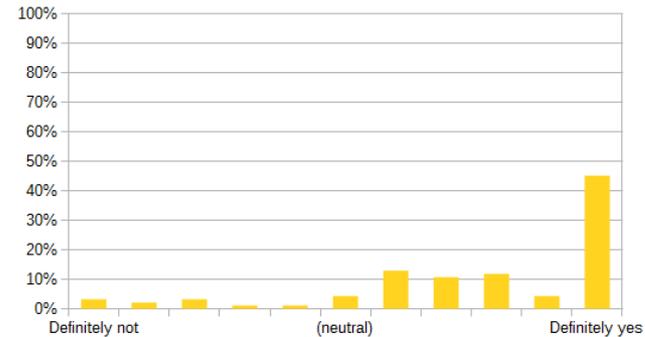
# Park Kasprowicza: preliminary results

On the area covered by the planning project...

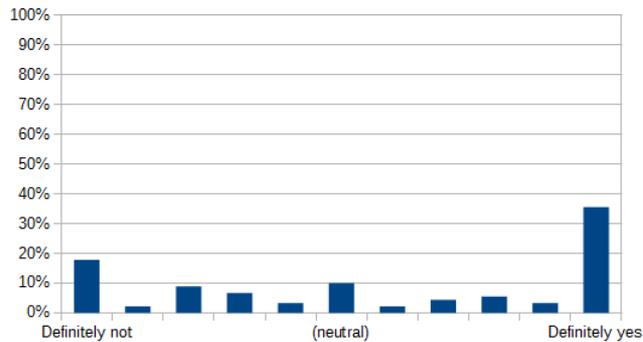
...existing green areas should be enlarged



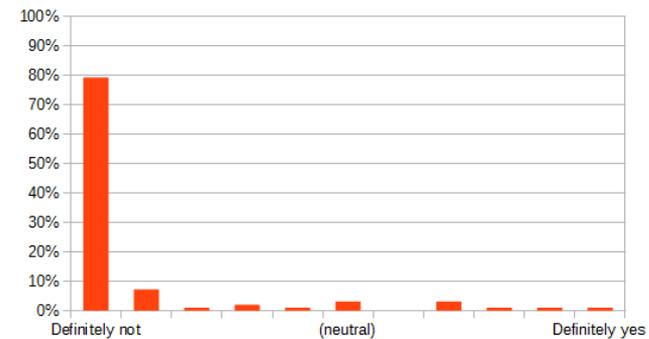
...more sport and recreational facilities should be created



...allotment gardens should retain its current usage

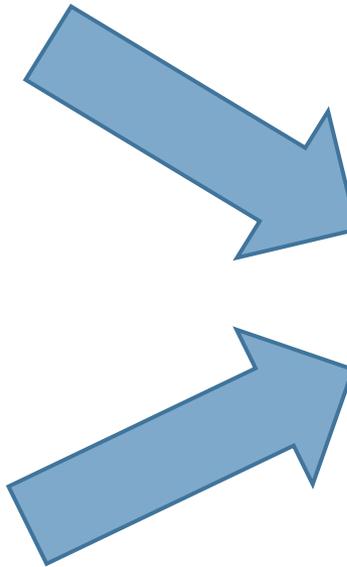
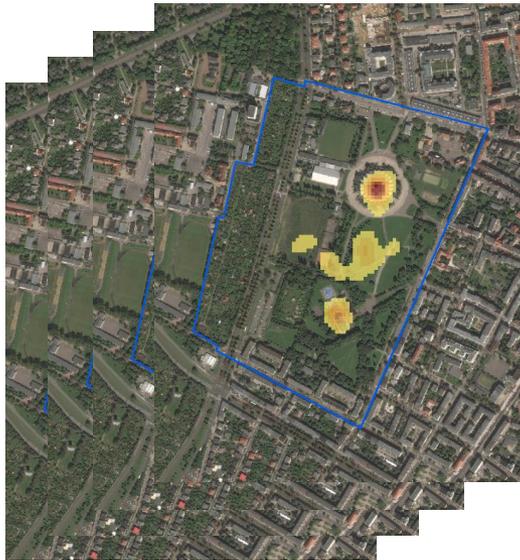
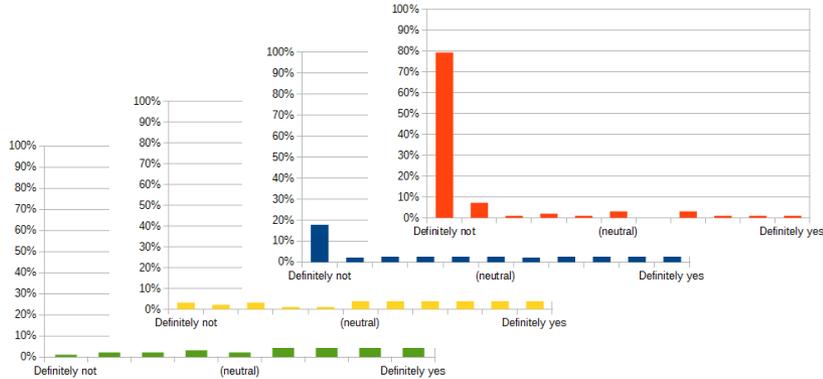


...development of multi-family housing should be pursued



*(results based on first 100 responses)*

# Park Kasprowicza: preliminary results

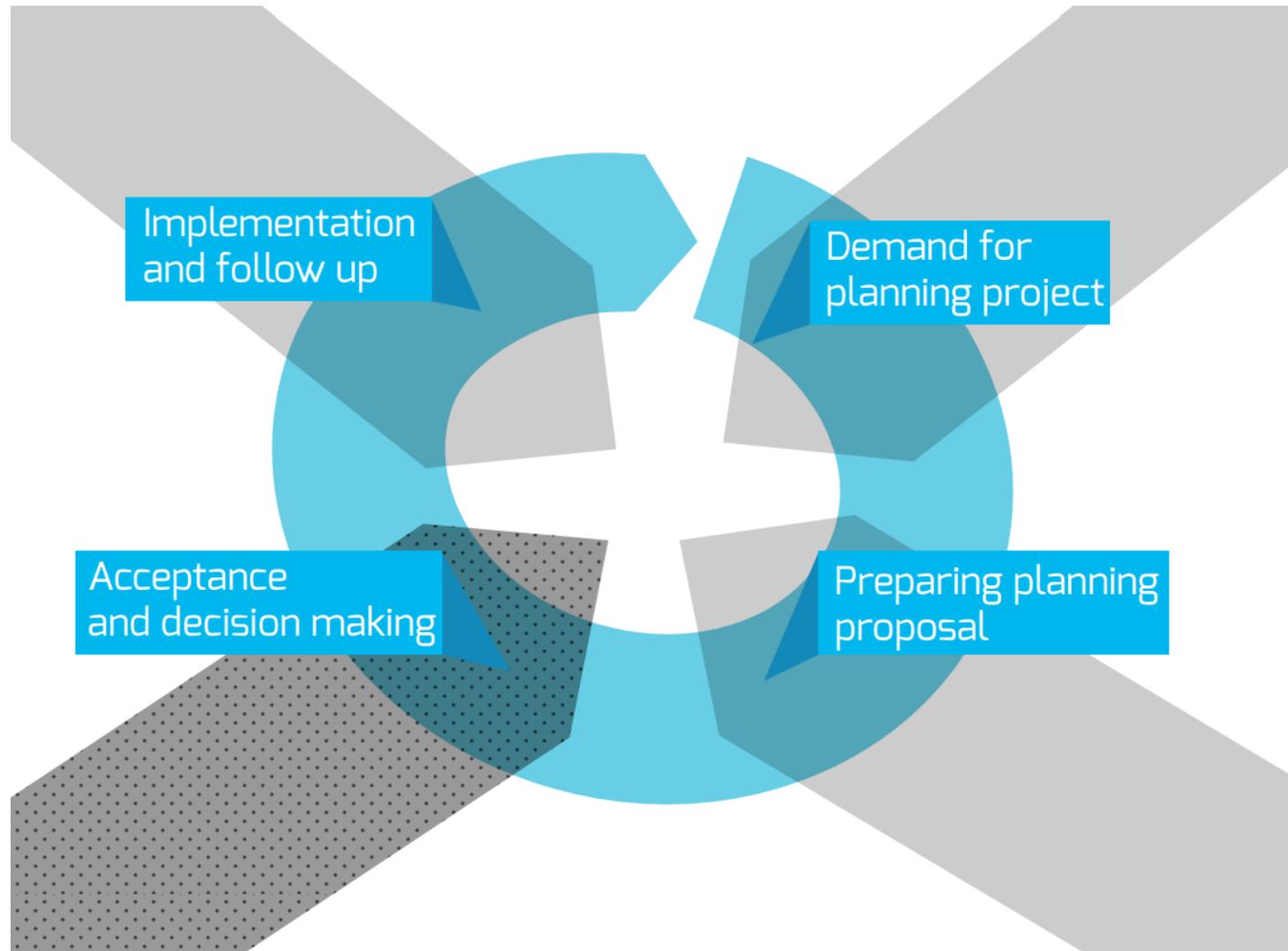


**Report for planners**

**Summaries for press**

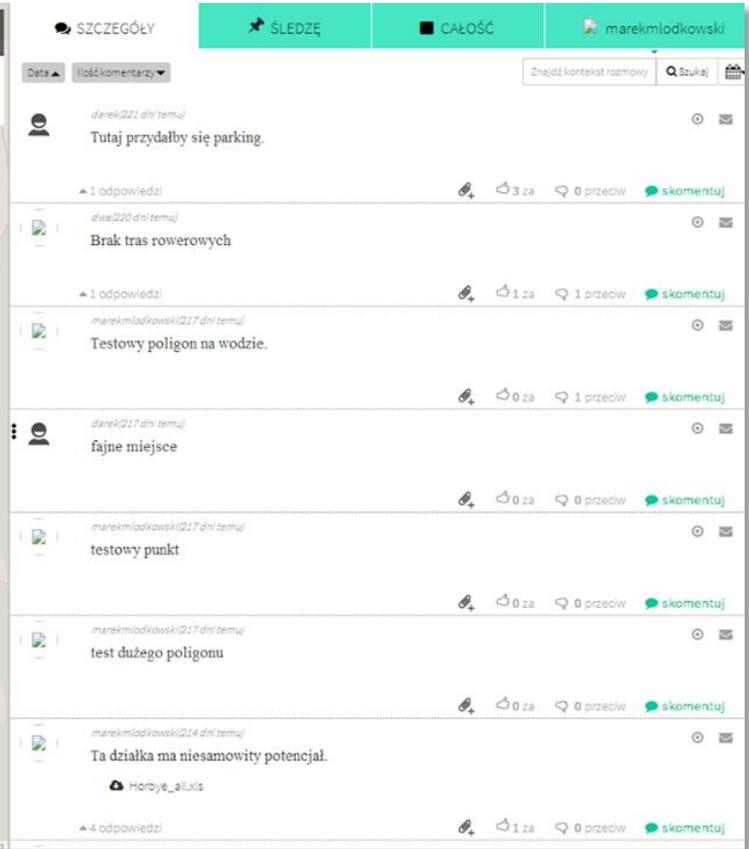
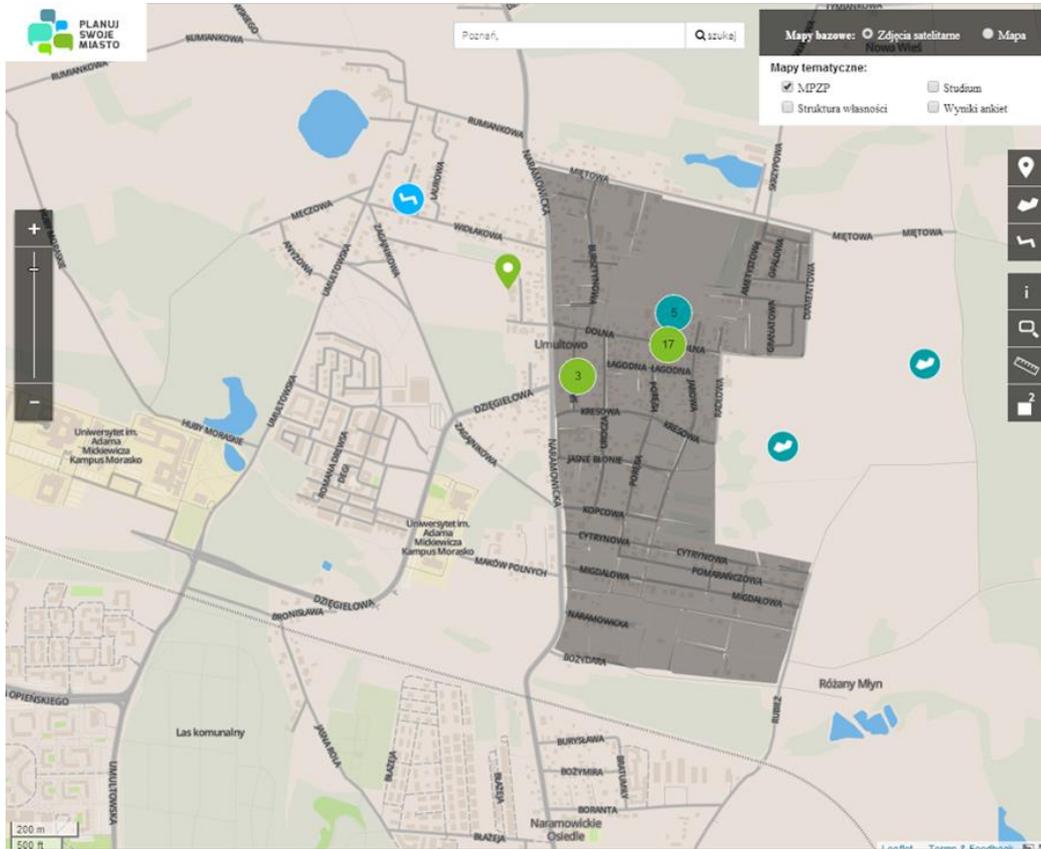
**Online presentation**

# Phases of urban planning process



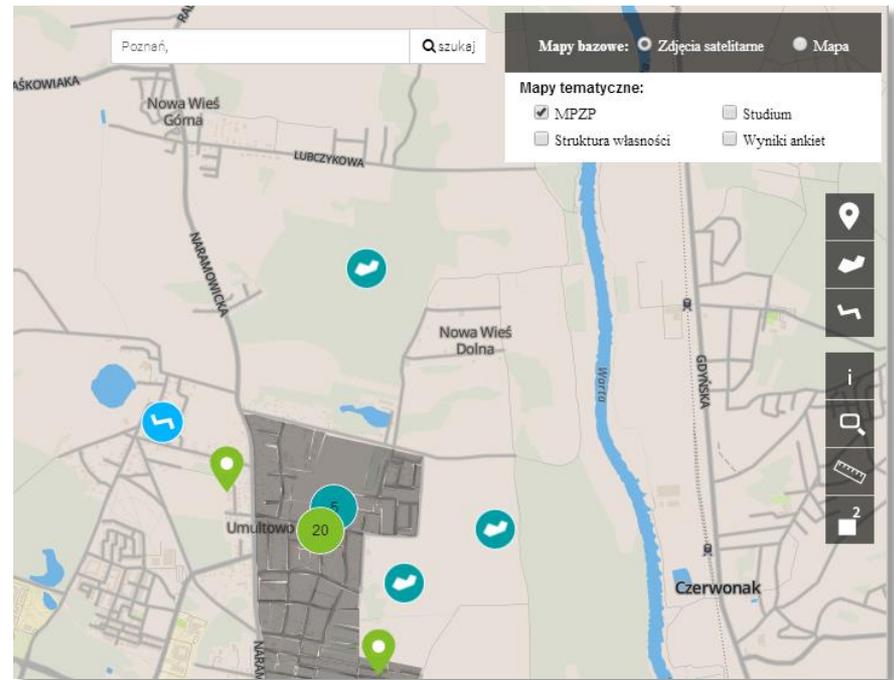
source: Marketta Kyttä, modified

# Geo-discussion



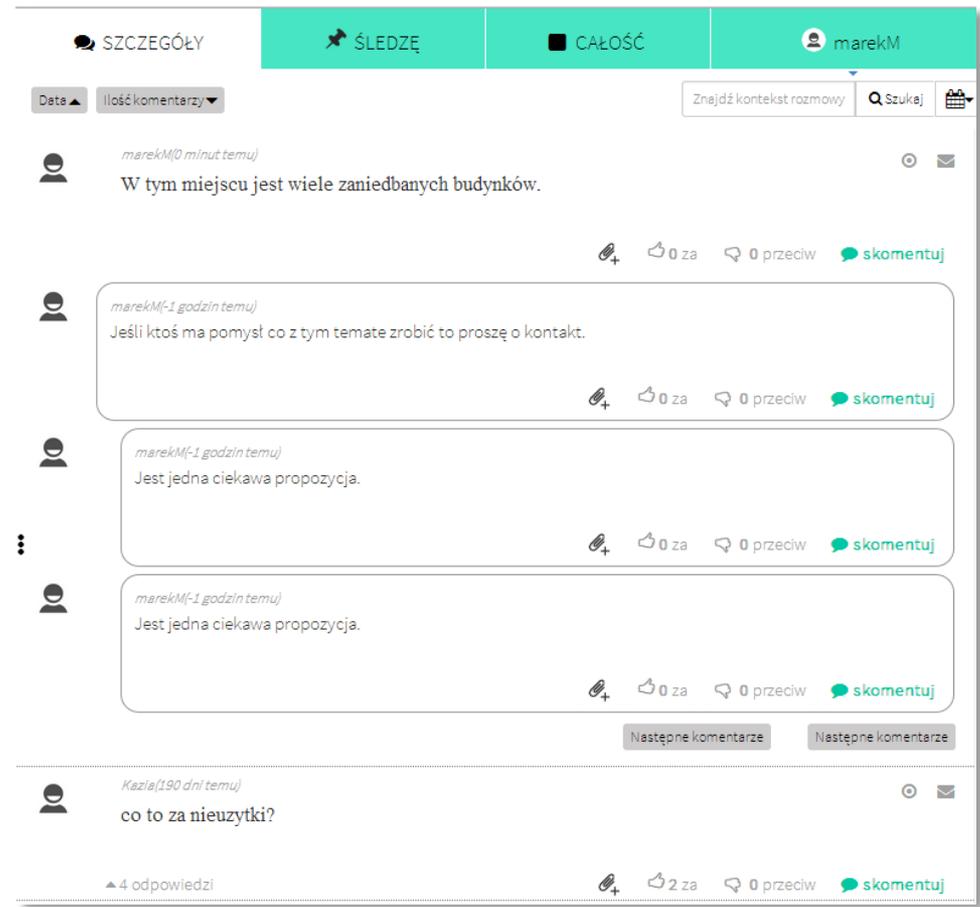
# Interactive map

- draw objects on a map and link them with discussion posts
- measure area and distance
- search on a map
- select discussion topic through a map
- change map types
- get information about the objects



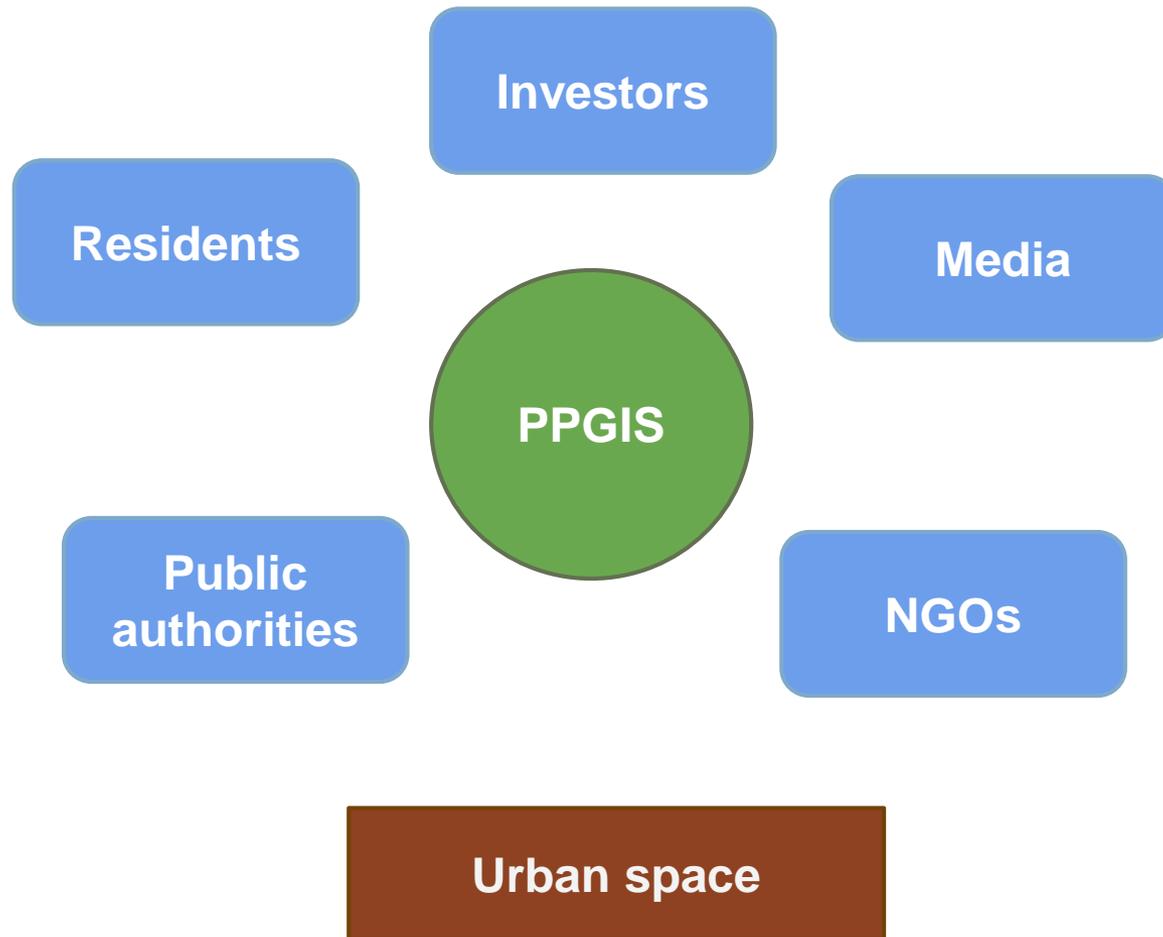
# Discussion panel

- making comments
- post grading
- filtering
- following topics of discussion
- adding attachments
- text searching
- localising topic on the map



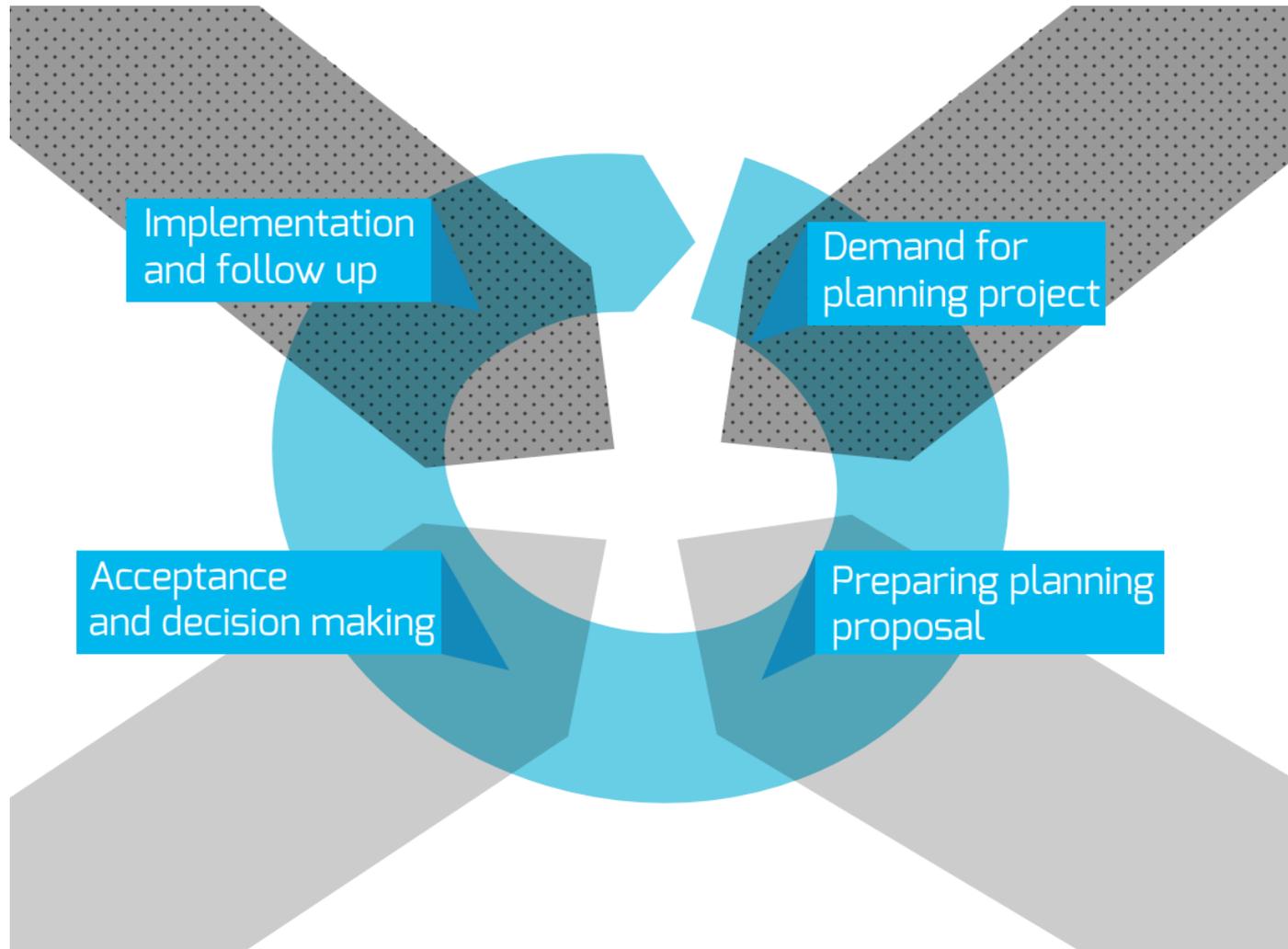
# Stakeholders in public participation process

---



# Phases of urban planning process

---



**Geo-questionnaire for ongoing evaluation of quality of environment**

# Conclusions

---

- different tools for different planning phases
- first such case in Poland
- integration of field study with a real-world planning process
- online GIS as a complement of traditional form of public participation
- data collection in progress...

# Thank you for your attention !

---

## Contact us

**Michał Czepkiewicz**

michal.czepkiewicz@amu.edu.pl

**Marek Młodkowski**

marek.mlodkowski@amu.edu.pl