

FIG WORKING WEEK 2019

22-26 April, Hanoi, Vietnam

Presented by the FIG Working Week 2019,
April 22-26, 2019 in Hanoi, Vietnam

"Geospatial Information for a Smarter Life
and Environmental Resilience"



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Possibilities of implementing crowdsourcing initiatives in rural development programmes in Poland

Wioleta Krupowicz (Warsaw University of Technology, Poland)

Adrianna Czarnecka (Warsaw University of Technology, Poland)

Magdalena Grus (KADASTER, Netherlands)

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Rural areas in Poland

- arable land constitutes 60.2 % of the territory of the country
- half of it constitutes unique habitats disappearing in the European landscape



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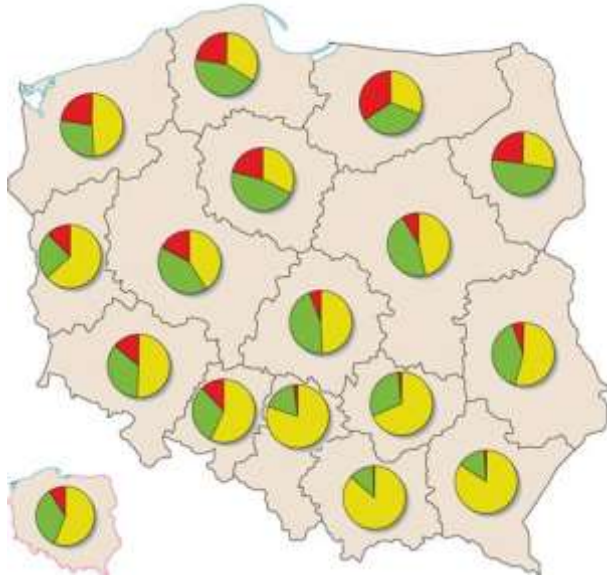
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Rural areas in Poland

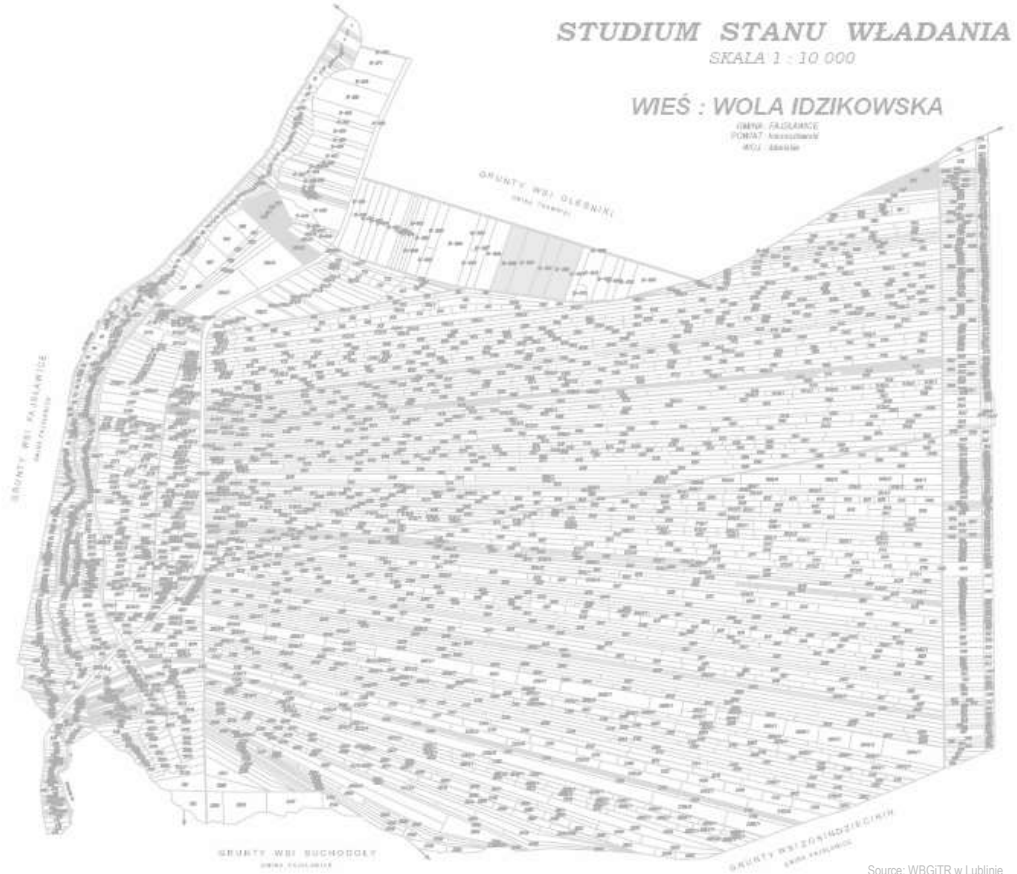


Farm size in Poland



1-5 5-15 >15 [ha]

Source: <https://sites.google.com/site/rolnictwopolska/home/poczatki-rolnictwa/warunki-rozwoju-rolnictwa/struktura-wielkoscowa-gospodarstw-w-polsce>



Source: WBGTR w Lublinie

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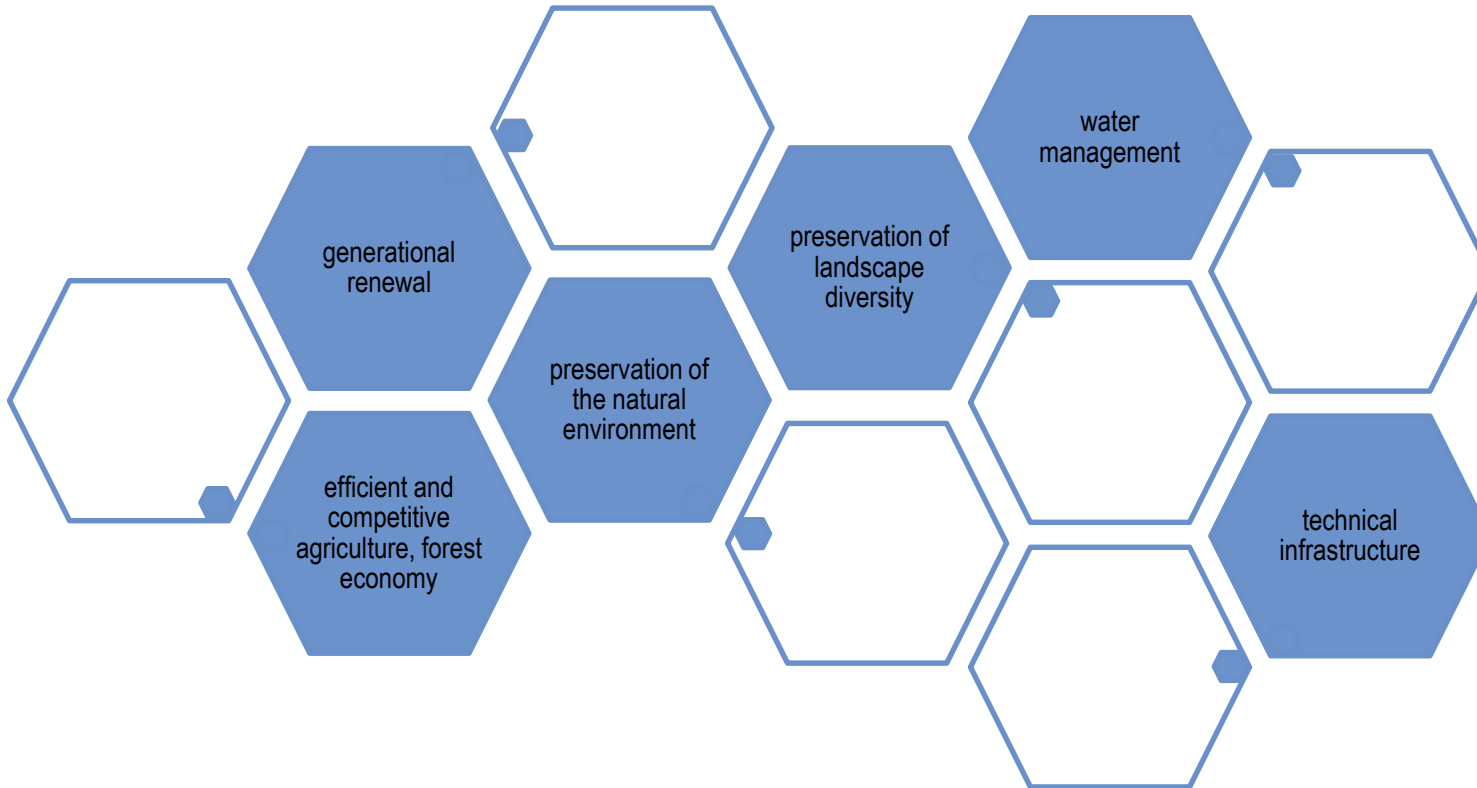
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Rural areas in Poland face many challenges:



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Spatial planning and land consolidation in Poland

Requires activities promoting creative attitudes among the residents of rural areas, and enabling their involvement in joint undertakings.

Land consolidation works did not make the most of the knowledge resources of the local community in the scope of:

- resources of local tangible and intangible cultural heritage,
- local environmental conditions affecting agriculture,
- functionality and quality of access roads to arable and forest land,
- ...

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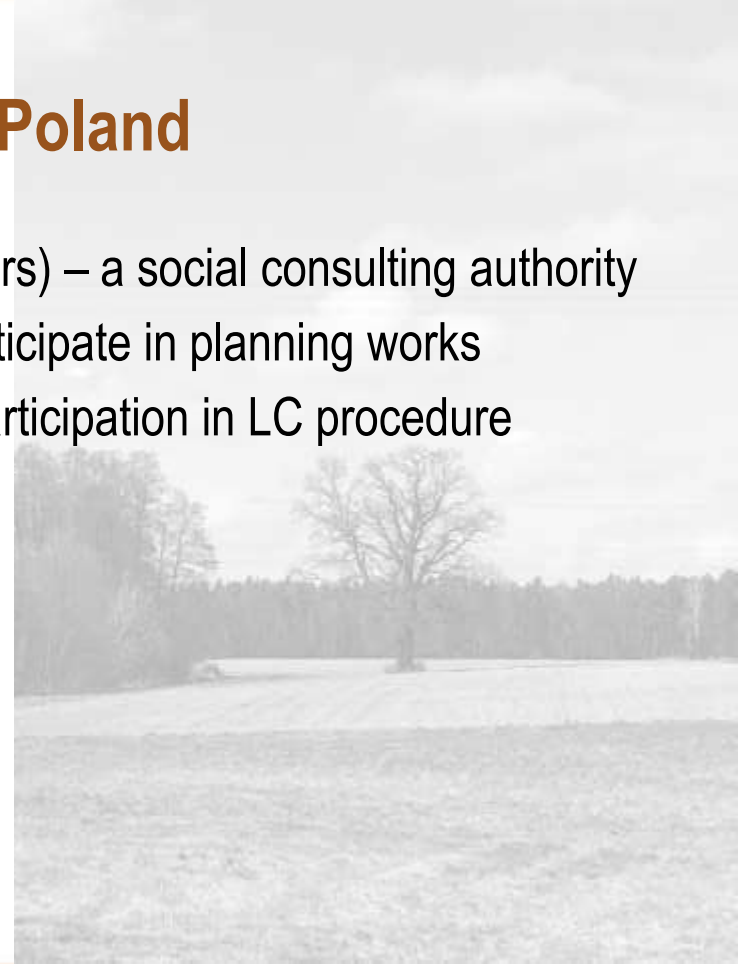
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Public participation in LC procedure in Poland

- The Council of Consolidation Participants (3-12 pers) – a social consulting authority
- Land consolidation participants do not actively participate in planning works
- Informative and consultation character of public participation in LC procedure



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Residents participate in the following stages of LC procedure:

- analysis of the existing state resulting in the preparation of thematic studies
- launching the consolidation procedure
- land estimation
- preparation of the detailed plan and register of comparative land estimation after consolidation
- presentation of the plan and collection of complaints concerning the plan

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Participation of the local community

Residents have very low influence on the planned investment measures (directly or indirectly) concerning them

The implementation of the idea of crowdsourcing at the stage of planning of consolidation works would enable active and actual participation



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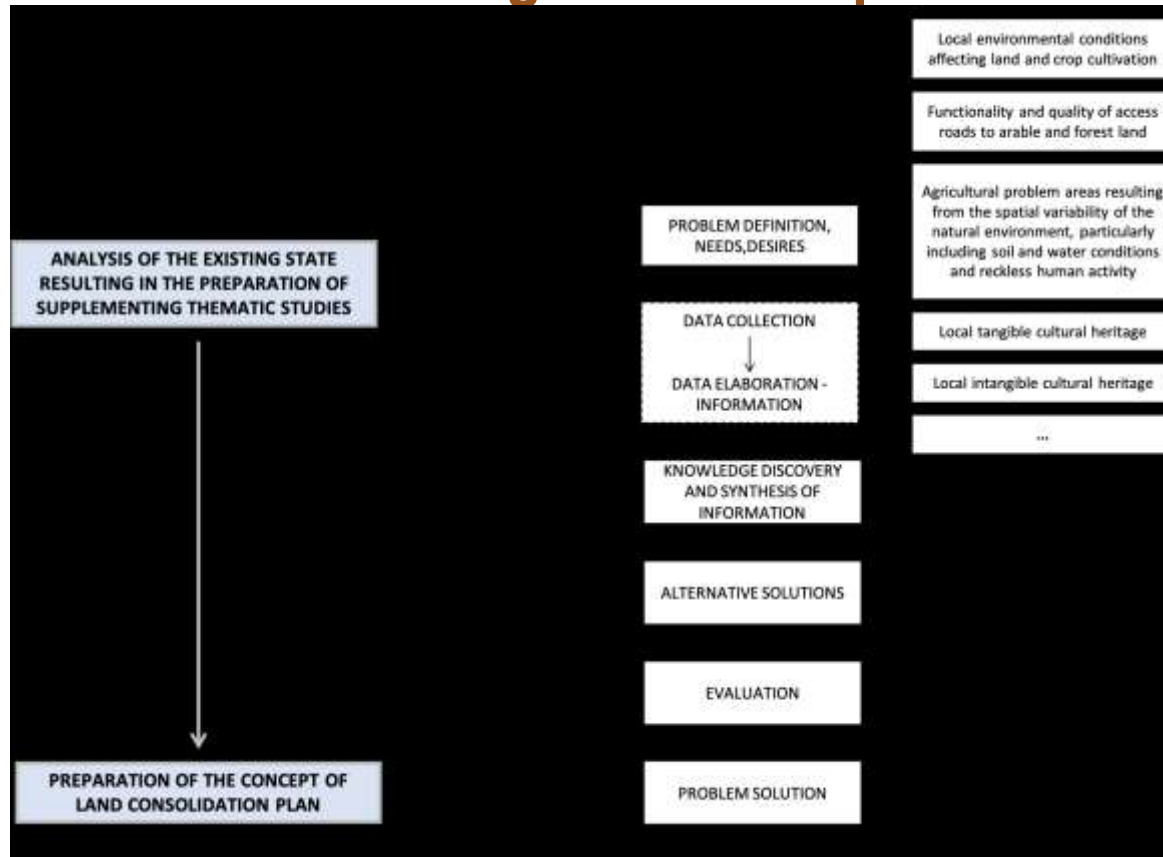
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The concept of crowdsourcing for the LC procedure in Poland



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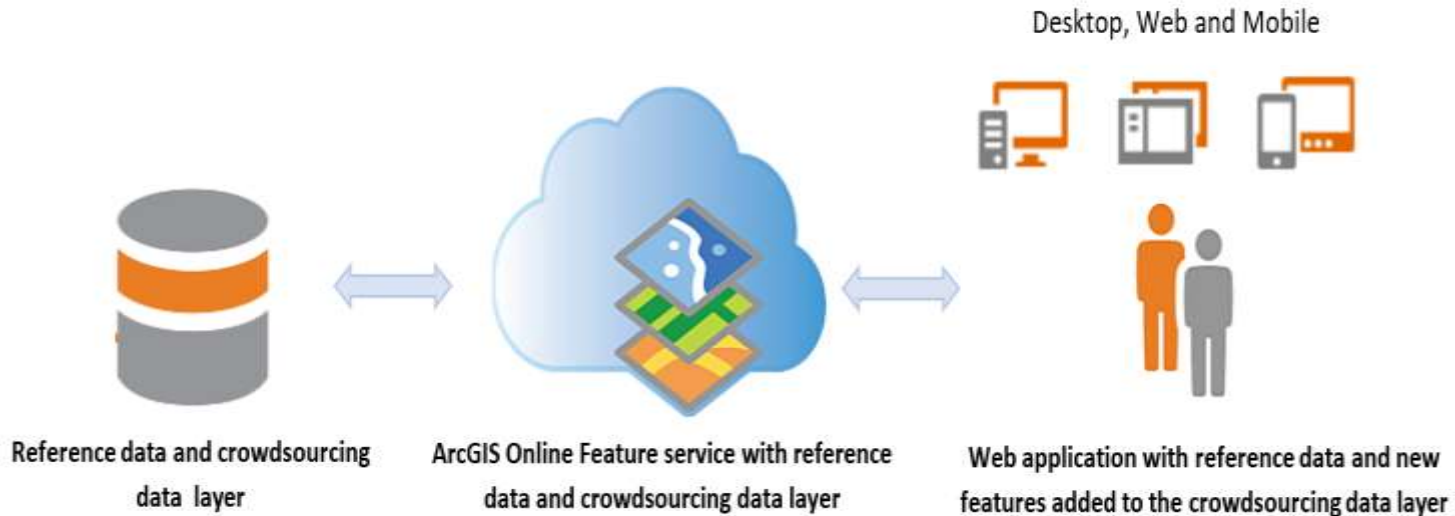
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Web application prototype

The main objective:

- the disclosure of the existing reference data concerning the selected area
- collecting data from the local community (crowdsourcing data layer)



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Presentation and testing of the application in the field

- introduction
- practical test
- questionnaire



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Questionnaire

Do you agree with these statements? () yes () no

1. I found the web application easy to use and understand
2. I think that people in general would be able to use a web application like this easily
3. I found the information interesting and important
4. I think this web application can strengthen public participation in land consolidation process
5. I think all municipalities should have a web application like this available for the community in the case of implementation of documents affecting the functional-spatial structure of rural areas

Please answer:

6. What did you like most and what did you dislike?
7. What do you think is missing?
8. What do you think could be improved?

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Conclusions

The implementation of LC requires measures promoting creative attitudes among residents of rural areas, and enabling their engagement in common undertakings. The presented ideas enable an active and actual participation of the local community.

The proposed solution offers a possibility of supplementing data used in consolidation works by the perspective level, related to experience, preferences, associations, and memories of the local community concerning their living space.

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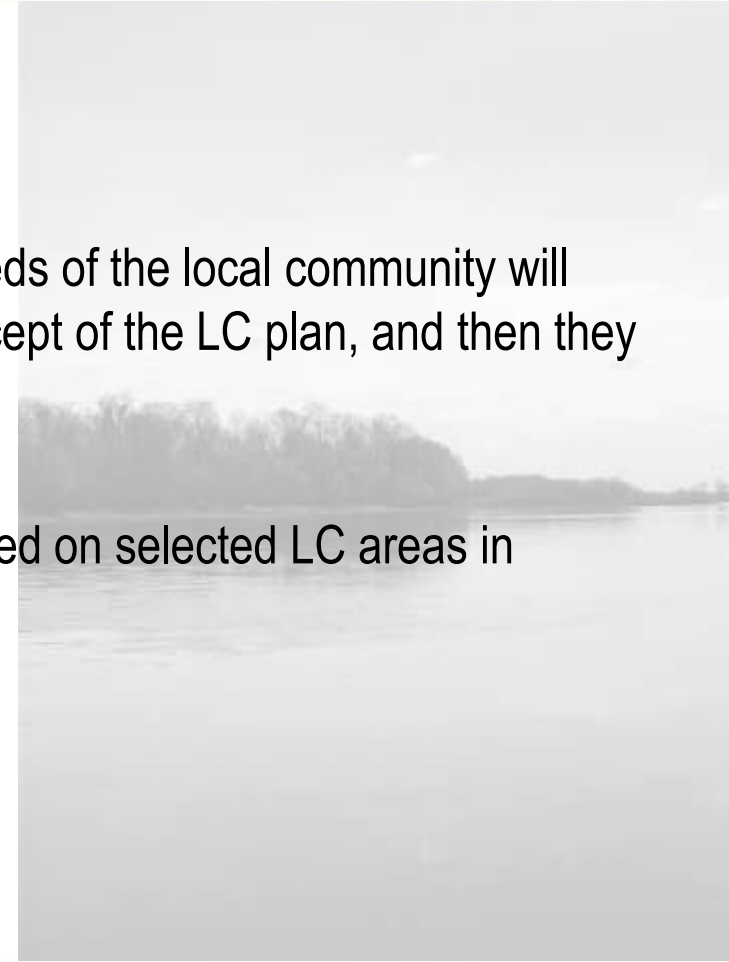
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Conclusions

The information on the area and the problems and needs of the local community will constitute input material for the preparation of the concept of the LC plan, and then they can be implemented in the LC project.

The presented ideas and technical solution will be tested on selected LC areas in Poland.



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adrianna.czarnecka@pw.edu.pl

wioleta.krupowicz@pw.edu.pl

Magdalena.Grus@kadaster.nl

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