



PRACTICE ABSTRACT

Digitalisation: Needs and Impacts

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GEODESIGN IN RURAL POLAND

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Geodesign in Rural Poland Living Lab’s focal questions are: how to enhance participation in rural planning and how can digitalisation improve the involvement of local communities in spatial planning processes in the Lodz region.

This Living Lab (LL) is focused on dynamic changes that recently have taken place in spatial planning, involving digitalisation with high potential to enhance participation and transparency of these processes.

The main entities involved in our LL are divided in three domains: social (those are local communities, investors and entrepreneurs, local authorities, planners, specialists and advisors within the field of spatial planning plus formal and informal organisations like NGOs, local action groups etc.), **physical** (“the place” – that is besides typical physical elements, the value of the landscape, planned new development, and local plans) **and cyber** (Geographic Information System [GIS data, web GIS service], social media and official communal websites). The main interrelations within our Socio-Cyber-Physical (SCP) system focus on information flows between the system’s entities. The digitalisation of spatial planning affects the way spatial information is displayed (digital image) and accessed by individuals but also enables their participation in planning procedures as they can easily respond to the current or planned development of local communities’ neighbourhoods.

GeoDesign opens up new possibilities for spatial planning on the local scale. However, success in its implementation depends on a high level of digital skills by the stakeholders and awareness of local authorities, who should seek to cross the barriers beyond which a community can become a partner in the planning process.

Living Lab

Geodesign in Rural Poland

Key Digital Technologies

GIS (software, datasets, web services), social media, communal web platforms

Keywords

Geodesign, GIS, spatial planning, community participation enhancement, rural areas

More info: <https://desira2020.eu/geodesign-rural-poland/>



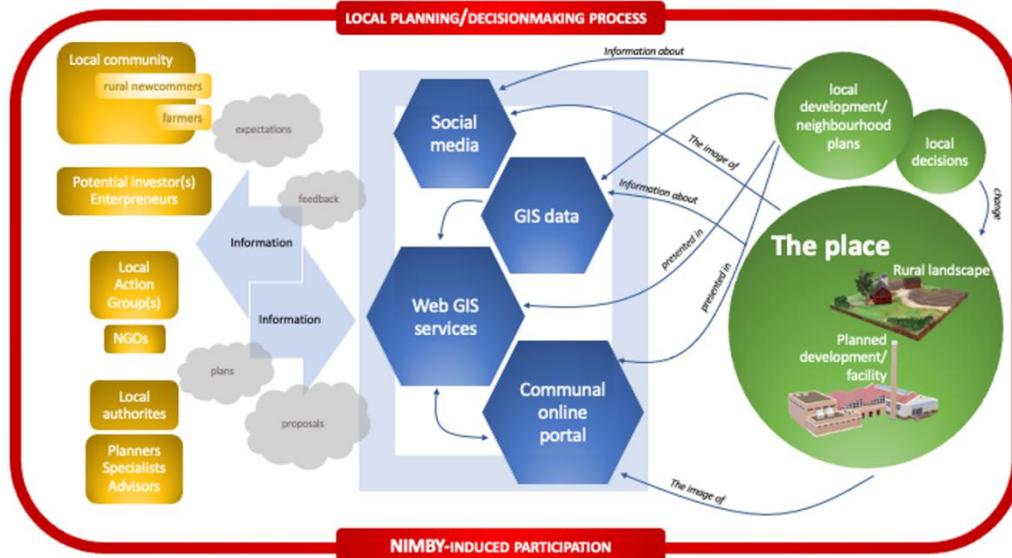


Fig. 1. Visualisation of SCP system related to the impact of digitalisation on the participation's enhancement in rural planning