## Application of the 3D Cadastre in Modern Rural and Urban Development

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development; application of the 3D cadastre; living and working conditions in the

countryside

## **SUMMARY**

As part of the paper, an attempt will be made to answer the question about the possibility of creating a modern multi-dimensional real estate cadastre system, which, as an interoperable and synergic spatial database, could be used in the development of rural and urban areas – including as a tool for assessing the geodetic and cartographic resource constituting the basis for design work for the development of space or environmental protection. The problem of the multidimensional cadastre used in various aspects of life was discussed for the first time in 2001 in Delft (the Netherlands) as part of a scientific conference organized there, and since then there has been a further development of this topic.

The paper will also present selected case studies presenting modern projects made in order to solve specific development problems of rural communes. An important aspect of these concepts is the creation of living and working conditions in the countryside equivalent to those prevailing in cities — or even partially exceeding them. It is currently a very important aspect of scientific and implementation work in Poland, due to the large migration of young people from the countryside to the urban areas.

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