

CARTOGRAPHIC EDITING OF AGRICULTURAL CROPS FROM THE SATMIROL PROGRAM ON CADASTRAL PLOTS AS AGRICULTURAL PARCELS

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The study was aimed at comparing the land cover classified on the basis of satellite imagery with data from soil and agricultural maps and state registers. The analysis covered the areas of the Panki commune in the Kłobuck county (Silesian voivodeship). The data collected included satellite land cover classification (obtained from the Central Statistical Office by the Space Research Centre), information on declared crops from area applications (Silesian Regional Branch of the Agency for Restructuring and Modernisation of Agriculture), and soil and agricultural data compiled from soil maps and land registers.

The main task was to harmonise these data to a common coordinate and altitude system. A vectorisation of the crop maps was carried out, making it possible to assign specific crops to agricultural parcels. This was followed by a natural and economic assessment of the crops in the given soil-agricultural complex and an analysis of crop succession in the fields.

On the basis of the processed data, a comparison was made between the satellite land cover classification and data from soil-agricultural maps and state registers. The aim of the analysis was to investigate the correspondence between the different data sources and to assess the suitability of satellite imagery in relation to traditional methods of agricultural land classification. The results made it possible to assess the potential discrepancies and advantages of different land registration and classification systems.