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INDICATORS OF THE COMPACT CITY CONCEPT – NECESSARY DATA AND THE POSSIBILITY OF APPLICATION

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Abstract
The main objective of the study is to analyze the availability of statistical and spatial data necessary to define a set of indicators of a modern compact city model, as well as, to propose a multi-criteria method to determine the importance of individual indicators. An accessible and relatively easy to use set of compact city indicators is a necessary tool, both at the stage of evaluating a unit for a selected concept, as well as, during the implementation of its main postulates. The modern compact city model is now the key direction of the Polish urban policy and has been implemented in many cities around the world for years in connection with the principle of sustainable development. The paper presents the previous interpretations of the selected urban concept, its main assumptions, as well as, the author's set of measurable indicators with sample weights, which were analyzed in the framework of the case study. To determine the weights, multi-criteria decision-making method (AHP – Analytic Hierarchy Process) was used, while GIS technologies were used at the stage of presentation of the values of selected indicators.

Keywords: **AHP method; Compact city; GIS technology; Indicator; Land use policy; Multi-criteria analysis.**