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TITLE OF DIPLOMA THESIS:

Land and settlement management with the use of indicators of urban sustainable development – case study in municipality of Evosmos

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ABSTRACT

The urban development, city planning and urban sprawl from the view of sustainability is a main concern for the scientific community. Especially in the European Union, the concept of sustainability has been incorporated into the Community law for the last thirty years. Many everyday life activities are recorded and investigated, in order to measure sustainability and ensure maintenance of sustainable development. The main objective of this dissertation is to develop a framework for the management of land use and facilities with the use of indicators of urban sustainable development. Based on the requirements of the current legislative framework in Greece and the European Union, the dissertation presents an approach for managing land use and facilities with the aid of sustainable urban development indicators, which constitute a powerful tool applied to monitor and control urban sustainability. Out of a great number of indicators thoroughly studied, a set of ten is selected, described and analyzed to develop a framework for urban sustainable development measurement and control. These compiled indicators cover the fields of environment, real estate, social content and transportation. The framework's applicability is tested in the Evosmos municipality of the prefecture of Thessaloniki in Greece.

KEYWORDS

Land and settlement management, Indicators of urban sustainable development, Urban design