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DEPARTMENT OF GEOGRAPHY, TOURISM & HOTEL MANAGEMENT

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**URBAN CLIMATE IN NOVI SAD**

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*Introduction to Special Issue*

## URBAN CLIMATE IN NOVI SAD

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According to actual global climate change and rapid growth rate of the Earth's urban population, the phenomenon called urban heat island (UHI) has been investigated by many climatologists in the last few decades.

Novi Sad as medium-sized city with 320.000 dwellers and urban area of approximately 80km<sup>2</sup> is definitely affected by urban heat island phenomenon, i.e. air temperature difference between urban and rural areas.

Thanks to Editorial board of International scientific journal GEOGRAPHICA PANNONICA, this Issue is dedicated to urban climate issues in Novi Sad, the second largest city in Serbia and administrative center of Vojvodina Province.

In the three articles we presented part of the results provided by research activities through the project named **Analysis of urban climate in Novi Sad and its impact on thermal comfort of urban population (no. 114-451-2446)**. Autonomous Province of Vojvodina, Secretary of Science and Technology Development financed this project from November 10<sup>th</sup> 2012 to November 10<sup>th</sup> 2013.

We try to make contribution in analysis of artificial surface types and use these types for defining local climate zones (LCZ) and amount of urban heat island intensities among different parts of urban areas. These outcomes are important in order to provide adequate locations for urban station network and further analysis of thermal comfort of urban dwellers.

*Dr Stevan Savić, project manager*