



Urban Heat Island of Prague – what we have learned from project UHI

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Urban Heat Island (UHI) remains one of the main features of large cities climate. The UHI of Prague has been studied by several authors in the past but most recently new information has been obtained in the frame of the EU Central Europe Programme project “Development and application of mitigation and adaptation strategies and measures for counteracting the global Urban Heat Islands phenomenon”. In our contribution, we provide a brief description of the project and its results. The main focus is given to the description of Prague’s climate with a special emphasis on the UHI phenomena based on the knowledge obtained during an implementation of the “UHI project”. Features of Prague’s UHI are described in terms of traditional meteorological elements (e.g. air temperature and humidity) and special climate indices (e.g. physiological equivalent temperature). We discuss the observed evolution of Prague’s UHI including statistical trends of selected meteorological parameters to estimate the future development of Prague’s UHI.