

**AIR QUALITY, URBAN TRANSPORT EVOLUTION AND APPLICATION
OF APPLICATION OF CROSS-SECTOR TELEMATICS IN THESSALONIKI**

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ABSTRACT

The temporal and spatial variation of urban transport parameters such as traffic composition, passenger cars characteristics etc, in seven traffic sectors of the Greater Area of Thessaloniki are presented. These data are statistically interpreted and their influence on CO concentrations in the air of the urban area is examined specifically during the morning peak hours, when the vehicle cold starting and an important part of the total emissions occur. The application of cross-sector telematics, in the framework of EURO projects, in order to improve transport and air quality is presented and discussed.