



## **Radon propagation according the vehicles' mass moving due to summer vacations**

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Several researches carried out by different institutions in Europe and around world deal with the atmospheric pollution due to the vehicles' increasing number and industrialization during the last decades. The objective of the study is the well known problem of vehicles' circulation in our city. In this paper we try to obtain values of radon daughters in expansion while most of the cars abandon the city during summer vacations. It is already known that radon and daughters fractions can be attached in the exhausts and emitted by human activities in the atmosphere. Our Rn ground base station, posted next to a multi traffic road, consists of an active detector (spectroscopy method) over a couple of meters from the ground. In summer time we remarked that Rn daughters' peaks follow the vehicles' mass according to the abandoning rhythm of the city. From the results we conclude that the increase of vehicles number, increase the Rn values in high traffic peak roads. Rn in expansion seems to be a continuous good index to estimate the high pollution due to the primary atmospheric pollutants. Rn and PM, as a nocive cluster in the atmosphere, remain the major problem for the public health authorities in all European cities.