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RESEARCH ON NOISE POLLUTION IN DENSELY POPULATED URBAN AREAS

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Abstract

Being constantly surrounded by sound, in most cases we operate ignoring this “environmental noise”, but when the noise intensity increases, it becomes a pollutant, adversely affecting the level of professional performance, leading to fatigue, causing nervousness or decreasing the quantitative and/or qualitative level of performance. The main objective of this paper is to evaluate the noise problem in the Strand district of Sibiu and to highlight the negative effects affecting the population in the area, by creating a noise map. Also, the authors studied the influence of noise pollution on the human factor. The researches showed that at certain hours, sound pollution far exceeds allowable values. The influence of noise on the human factor was strongly emphasized in the questionnaire that was developed and presented in this paper. In the research the authors used a GIS software, Geomedia Professional.

Key words: GIS, map, noise, software, transportation

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