

MULTIDISCIPLINARY APPROACH OF THE PROBLEM OF NOISE NUISANCE IN URBAN ENVIRONMENT

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Introduction More often the problem of noise and sonic pollution particularly in urban sites, is studied by different disciplines such as physics, the acoustics, the psychoacoustics, the medicine and others. One can notice that it is independently of each other that these sciences are often approaching this subject. Some studies are carried out in laboratories taking noise and sonic phenomena as samples cut off their realistic context. Urban noise is studied as well by making abstraction of the different contextual parameters by idealizing a rather complex sonic environment. This derives often on incompatible results that can hardly be used in real situations of urban noise problems. The noise, according to this present approach, is supposed to react with surrounding space, and it takes the form and the quality of the place by defining and requalifying it. It is found that the contextual aspects such as social, cultural or even symbolic dimensions modulate the listening conditions and the perception quality of the noise and by there even the living and the daily practice of the considered urban space.

The multiparameter dimension study of the noise in urban context is necessary if one seeks truly to better work out the problem and to try to come up with some practical and efficient solutions. The little amount of studies already done based on such multidisciplinary approach and the results that came out of such studies, confort well our effort and are very encouraging, to go ahead with this methodological approach.

Keywords: Multidisciplinary, urban noise, noise nuisance, human dimension, social practice