

NOISE POLLUTION IN ROME

Present situation, management and actions

Giovanni Brambilla

CNR-Institute of Acoustics "O.M. Corbino", Rome, Italy

The paper describes the main noise sources in Rome, among which road traffic noise is the most widespread in space and time. The impact of these sources on the population in terms of complaints is also outlined, pointing out the increase of noise sources in production and commercial activities. The noise zoning plan of Rome in force from February 2004 is also described, being this a fundamental tool to manage and plan the use of the territory taking into account the noise pollution. Examples of the noise mitigation actions are reported, as the limitation on private traffic in some areas and the installation of noise barriers.

Then two procedures are presented, applied to estimate the population exposed to urban traffic noise, as required by the 2002/49/EC Directive, and outlines some problems arising because of the limited availability of input data and the variability of results depending on the procedure applied.

Cooperation from: Guido Carati¹, Enrico Carlini¹, Franco Civiero¹, Carlo Marzi², Carlotta Melocchi¹, Valeria Romano Franchi de Notarvanni¹, Francesca Romana Salza¹,

Donatella Donati¹

¹ Municipality of Rome, Dept. Environmental and Agricultural Politics, Rome, Italy

² ENEA C.R. Casaccia, Rome, Italy

brambilla@idac.rm.cnr.it