NOTIFICATIONS REGARDING THE NOISE IN TIMISOARA CITY

SESIZĂRI LEGATE DE ZGOMOT IN MUNICIPIUL TIMISOARA

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Abstract *From the total number of registered notifications at LEPA, the percentage of 35% is concerning the noise level. Noise notifications distribution, after the claimed activity is the following one: 35% is referring to the firms activity which are near residential areas, 44% at the music played inside the bars, restaurants, terraces, clubs and discos, 3% road traffic, 1% construction activities and 17% diverse (auto alarms, neighbours, different installations, animals, etc.).*

Rezumat *Din numărul total de sesizări înregistrate la sediul APM, sesizările legate de zgomot reprezintă 35%. Distribuţia sesizărilor de zgomot, după activitatea reclamată este următoarea: 35% se referă la activitatea firmelor învecinate zonelor rezidenţiale, 44% la muzica difuzată în incinta barurilor, restaurantelor, teraselor, cluburilor şi discotecilor, 3% la trafic rutier, 1% la activitati de construcţii şi 17% diverse (alarme auto, vecini, instalaţii de climatizare, animale, etc.)*

Key word : *noise, dB, level noise, Timisoara, notification, people, traffic*
Cuvinte cheie *:zgomot, dB, nivel de zgomot, Timişoara, sesizări, oameni, trafic*

INTRODUCTION

The admitted maximum limit overtaking for exterior noise level is caused in the most cases (80%) by the road traffic, just a few citizens (3%) are complaining of this problem, maybe that the road traffic is considered ,,a necessary evil''. Perception of the citizens level is that that the ,,nothing can be done about this problem'', and for the local administration the traffic fluidization has priority in front of other things as traffic reconduct after consulting with the citizen from an area which is submissive to urban noise impact or buildings price modification in one area submissive to noise.

MATERIAL AND METHOD

Measurements have been done with a sound level meter Bruel & Kjaer MEDIATOR 2238. Integrator Sound level meter of first class precision, with monitoring software (logging). Sound tests sampler interval: 100 ms. Microphone: Bruel & Kjaer of free area. Measurement method: STAS 6161/3-82

Location sound level meter: 3m from the frontage exposed to noise of the considered building, at 1,3 m height (on tripod).

Measurement duration: 8h for measurements during the day, 30 min for measurements during the night, 10 min for informative measurements.

RESULTS AND DISCUSSION

A simple experiment proposed by the LEPA Timis, the circulation interruption on one circulated street from Timisoara, that shows the dramatic difference between the outside buildings equivalent noise level, during the day, measured in the presence and absence of the road traffic. The measurements were made during the "European Mobility week" in Timisoara. (table 1)

Table 1

Values regarding the noise measurements on Vasile Parvan street ("European Mobility Week"), comparative with/without road traffic

No.	Area	L_{ech} [dBA]	$L_{ech\ MA}$ [dBA]
1	Vasile Parvan street – with road traffic	**69.5**	50
2	Vasile Parvan street – without road traffic	**44.7**	50

The measurements shows the cumulated level difference : of at least 23 dBA.

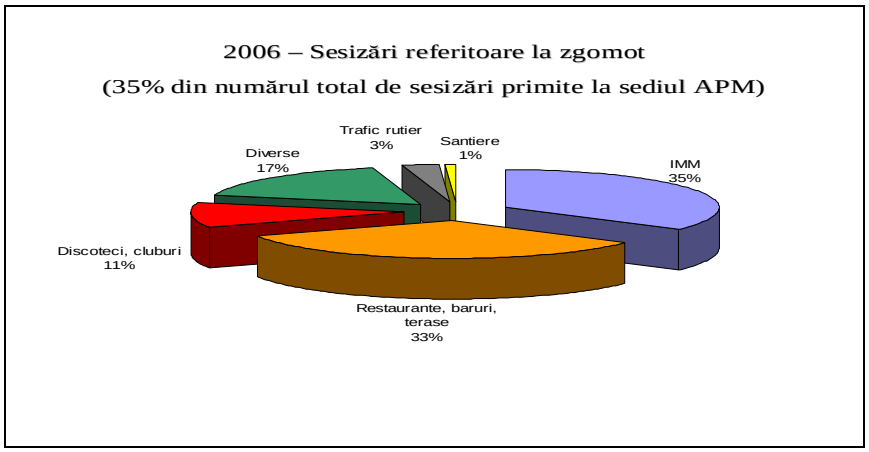

Fig.1. Notifications regarding the level noise

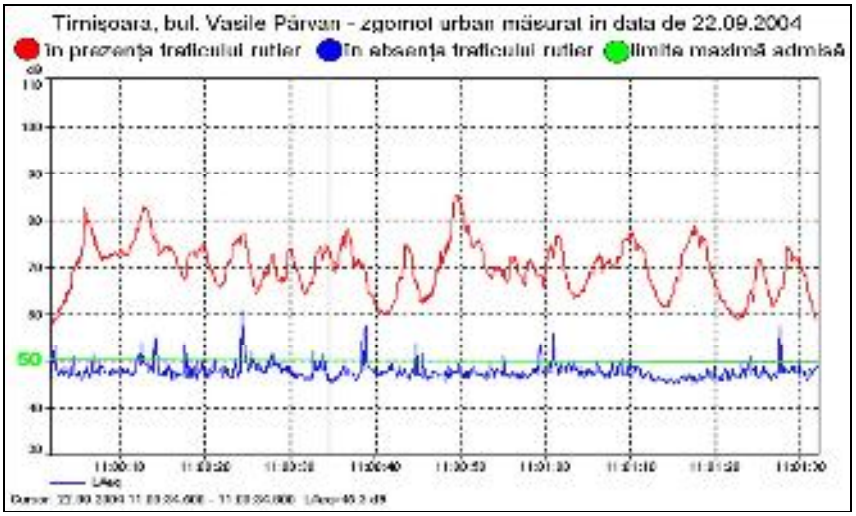

Figure 2 Graphic representation of realized measurements on Vasile Parvan street, with/without ruttier traffic

It have been done noise measurements during day and night of Kogalniceanu street, at RATT depot, of which values are gave in table 2.

Table 2

Notifications regarding the noise done by trams from the Take Ionescu street depot

No	Area	L_{ech} [dBA]	$L_{ech\ MA}$ [dBA]
1	Kogalniceanu 1 – depot way RATT, at the hour 11:00	**72.0**	50
2	Kogalniceanu 1 – depot way RATT, at the hour 22:00	**69.8**	50

Caught to the notifications regarding noise produced by the common transport (especially that one made by trams), in figure 3 are gave measured values on Gheorghe Doja street, where have been measured 73 dBA.

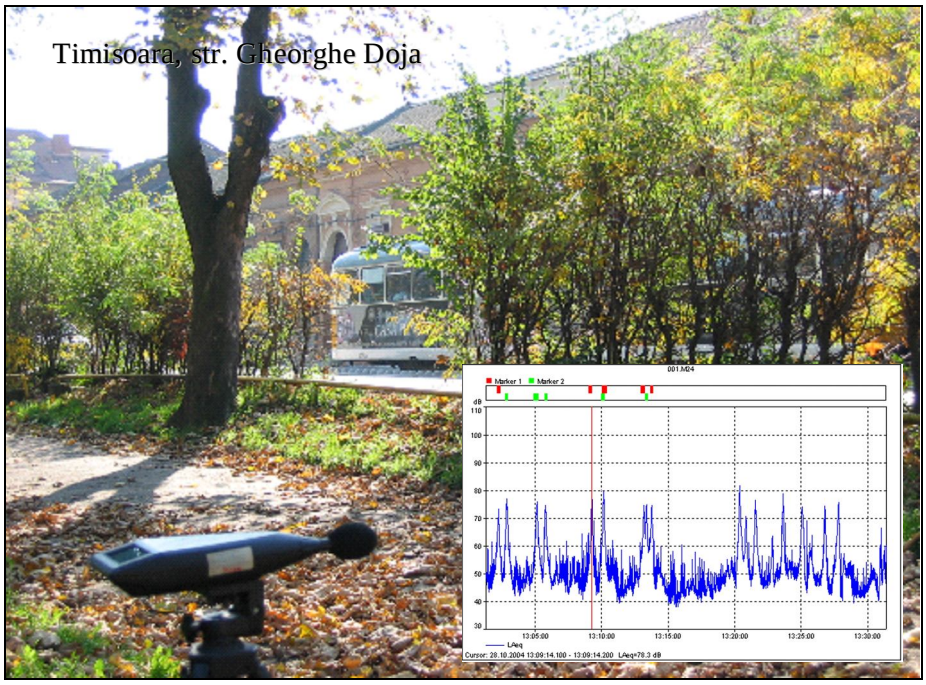

Figure 3. Tram traffic notifications Gheorghe Doja street, 73 dBA

Measurements regarding exterior sonorizations from Timisoara city, have been done at Wine Festival (on Dolphin street), but even around of a church. Values are gave in table 3.

Table 3

Realized measurements results with the occasion of Wine Festival,
in area of Salcamilor street, nr. 54-Martyr's church.

No	Area	L_{ech} [dBA]	$L_{ech\ MA}$ [dBA]
1	Salcamilor street no. 54 – Martirilor Church	**50.6**	50
2	Dolfin street – Wine Festival	**60.1**	50

Have been done measurements at some climate installations. The noise that is done of such as installations is 68 dBA.

CONCLUSIONS

It is observed that no matter if we talk about road traffic, common transport, climate installations, different events, measured values have been over the admitted values comparative to standards. The only measured values have been under the admitted ones, have been registered with the occasion of European Mobility Week, when it was interrupted the circulation traffic on Vasile Parvan street.

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