

APAT – EEA General Training Workshops
Advanced Seminar 2008

Workshop

“ACOUSTIC POLLUTION AND MEASUREMENTS”

Working Group N. 2

“Tentative acoustic territorial zoning of the Egyptian territories”

Methodological scheme

Analysis of the proposed areas through the documents available (maps, laws, regulations, reports, studies, data, etc)	
Maps ¹	
Town-planning scheme; Building code ²	
Laws ³	
Regulations ⁴	

¹ Type of map, with the scale and the purposes

² information relating the effective use of the territory, the real use of the building (residential, offices, etc)

³ acoustic requirements relating to the areas considered

⁴ road regulations, railway regulations, airport regulations, regulations about river navigation, other..

Data	
Studies, Reports	
Analysis of the characteristics of the areas analysed	
Territorial⁵	
Social⁶	
Acoustic⁷	
Hypothesis of an acoustic territorial zoning : Identification of the acoustic areas I Particularly protected areas	
hospital, home for the aged	
schools	
areas dedicated to relax and recreation	

⁵ morphological characteristics, geographical, etc..

⁶ most and different use of the time periods, daily or nightly; presence of characteristic cultural events

⁷ presence of noise sources, type of sources

public park			
residential rural areas			
more interesting urban planning areas			
more interesting archaeological, architectural, artistic, environmental, landscape, cultural zones			
Hypothesis of an acoustic territorial zoning : Identification of the acoustic areas V and VI: Mainly industrial areas, Exclusively industrial areas			
Presence of factories			
Presence of residential buildings			
Presence of industrial activities			
Hypothesis of an acoustic territorial zoning : Identification of the acoustic areas II Areas mainly dedicated to a residential use, III Mixed areas and IV Intensive human activities areas:			
density of population ⁸	low	medium	high
presence and typology of road traffics ⁹	local	local and crossing	busy

⁸ also it is possible to quantify the number of inhabitants per hectare (square measures)

⁹ also it is possible to quantify the number of vehicles per hour, for a quantitative approach

presence and typology of railway traffics	low	medium	high
presence and importance of commercial activities ¹⁰	low	medium	high
presence and importance of handcraft activities	low	medium	high
presence and importance of industrial activities	low	medium	high
Hypothesis of an acoustic territorial zoning. Transport Infrastructures: the buffer zones			
Road infrastructure ¹¹			
Raiway infrastructure ¹²			
Airport infrastructure ¹³			
Port infrastructure ¹⁴			
COMMENTS			

¹⁰ also it is possible to quantify the area of the store/ total area, for a quantitative approach

¹¹ Indicate the hypothetic width of the buffer zones

¹² Indicate the hypothetic width of the buffer zones

¹³ Indicate the hypothetic width of the buffer zones

¹⁴ Indicate the hypothetic width of the buffer zones