

QUESTIONNAIRE ON ROAD NOISE REASERCH NEEDS

General Information:

Country:

Organisation:

Name: Address:

E-mail:

Introduction

Aim of the following questionnaire is to find research themes on road noise that need further knowledge. The questionnaire includes 14 main thematic domains. Each thematic domain comprises a group of items connected to the peculiar domain (see fig. 1). In order to identify the items that need in-depth study, you are kindly requested to mark the domains you think worthy of further research with a number from 0 to 4, indicating the priority to be assigned to domains and items, as shown in the table below. If you can't assign a score please click the "N" button. (Null answer)

Score	Thematic Domain Priority	Items interest level
N	Null (not known)	Null (not known)
0	No priority	Not interesting
1	Low priority	Little interesting
2	Medium priority	Interesting
3	High priority	Rather interesting
4	Absolute priority	Very interesting

For each item it is also asked to specify if:

- the research on that item has already been developed in your country
- the research on that item is still in progress
- the research on that item is going to be developed at a future time.

If you don't know, please choose the null option "..."

THematic DOMAIN 1
"ADVANCED COMPUTATION AND MEASUREMENT METHODS FOR MORE ACCURATE ASSESSMENT OF NOISE EXPOSURE"

This thematic domain includes research topics considered of interest for drawing up noise mapping. The items reported in the following table could be conveniently developed for increasing the accuracy and completeness of results and speeding up the assessment process.

ID	Item	Interest level	State of the art
1.1	Propagation modelling for noise at lower levels	N 0 1 2 3 4	...
1.2	Availability and quality of noise mapping input data including both geographical and source related data considering also digital data sources such as geographical information systems (GIS)	N 0 1 2 3 4	...
1.3	Methods using noise mapping data to estimate population exposure to environmental noise (linking noise mapping data with population location data i.e. number and location of exposed people)	N 0 1 2 3 4	...
1.4	Temporal and spatial sampling techniques for long term noise level assessment	N 0 1 2 3 4	...
1.5	Meteorological conditions influence on noise levels	N 0 1 2 3 4	...
1.6	Numerical techniques for locating potentially polluted areas to be monitored and modelled in detail (screening techniques)	N 0 1 2 3 4	...
1.7	Effects of balconies in measuring and predicting noise levels at the façade	N 0 1 2 3 4	...
1.8	Procedures and criteria for calculating uncertainty connected to measured data	N 0 1 2 3 4	...
1.9	Procedures and criteria for calculating uncertainty connected to noise mapping results	N 0 1 2 3 4	...
1.10	Uncertainty connected to noise reference models (source and propagation models, calibration and validation, sensitivity analysis)	N 0 1 2 3 4	...
1.11	Computation model for macroscopic/strategic noise mapping according to the END	N 0 1 2 3 4	...
1.12	Availability and quality of meteorological data	N 0 1 2 3 4	...
1.13	Other (Specify)	N 0 1 2 3 4	...
TD 1	Please assign a priority level to the thematic domain	N 0 1 2 3 4	...

Buttons: To Final Report, Back, Forward

Fig. 1: Example

Please mark the research items you think of interest, specifying, if necessary, other aspects that are worthy of attention and the interest level in a scale from 0 to 4, as previously described. At the end of the page, please assign a priority level to the thematic domain and click "Forward" to proceed with the next topic. If you want to come back to the previous thematic domain, click "Back". When clicking the button "To Final report", the questionnaire moves to the "Final Report" where you can check the scores assigned to thematic domains. Here you can save the file or come back again to a selected thematic domain (Fig. 2).

THEMATIC DOMAINS PRIORITY LEVELS
Final Report

TD	Thematic Domain	Priority Level	
1	ADVANCED COMPUTATION AND MEASUREMENT METHODS FOR MORE ACCURATE ASSESSMENT OF NOISE EXPOSURE	...	Back to TD 1
2	DEFINITION AND IDENTIFICATION OF URBAN AND RURAL HIGH ACOUSTIC QUALITY AREAS	...	Back to TD 2
3	IMPROVEMENT IN DOSE-EFFECT RELATIONSHIPS	...	Back to TD 3
4	ADDITIONAL NOISE INDICATORS CONSIDERING SPECIFIC EFFECTS	...	Back to TD 4
5	ADVANCED METHODS OF COST-BENEFIT ASSESSMENT OF NOISE IMPACT AND NOISE ABATEMENT	...	Back to TD 5
6	COMBINED EFFECT BETWEEN AIR POLLUTION AND NOISE (ESPECIALLY FOR ROAD TRAFFIC)	...	Back to TD 6
7	IMPROVED OR NEW SOCIO-ECONOMIC INSTRUMENTS TO PROMOTE EFFICIENT NOISE ABATEMENT	...	Back to TD 7
8	ROLLING NOISE	...	Back to TD 8

THEMATIC DOMAINS PRIORITY LEVELS
Final Report

TD	Thematic Domain	Priority Level	
1	ADVANCED COMPUTATION AND MEASUREMENT METHODS FOR MORE ACCURATE ASSESSMENT OF NOISE EXPOSURE	---	Back to TD 1
2	DEFINITION AND IDENTIFICATION OF URBAN AND RURAL HIGH ACQUETTE QUALITY AREAS	---	Back to TD 2
3	IMPROVEMENT IN DOSE-EFFECT RELATIONSHIPS	---	Back to TD 3
4	ADDITIONAL NOISE INDICATORS CONSIDERING SPECIFIC EFFECTS	---	Back to TD 4
5	ADVANCED METHODS OF COST-BENEFIT ASSESSMENT OF NOISE IMPACT AND NOISE ABATEMENT	---	Back to TD 5
6	COMBINED EFFECT BETWEEN AIR POLLUTION AND NOISE (ESPECIALLY FOR ROAD TRAFFIC)	---	Back to TD 6
7	IMPROVED OR NEW SOCIO-ECONOMIC INSTRUMENTS TO PROMOTE EFFICIENT NOISE ABATEMENT	---	Back to TD 7
8	ROLLING NOISE	---	Back to TD 8
9	DRIVING BEHAVIOUR	---	Back to TD 9
10	TRAFFIC MANAGEMENT	---	Back to TD 10
11	IMPROVED REGULATIONS RELATED TO NOISE EMISSION (INCLUDING TEST METHODS)	---	Back to TD 11
12	NOISE CONTROL MANAGEMENT (STRATEGIES)	---	Back to TD 12
13	ADVANCED NOISE REDUCTION TECHNOLOGIES BETWEEN SOURCE AND RECEIVERS	---	Back to TD 13
14	CITY PLANNING	---	Back to TD 14

Save & Quit

Show the selected priority level

Move back to the specific Thematic Domain

Save the file and quit the questionnaire

Fig.2: Final Report

When finished, please save the file and send it to Helen Hasz-Singh [hhs@vd.dk]

Thanks for your precious cooperation. You will be informed on the results emerged from this survey as soon as they will be available.

Now click the button and start the questionnaire

START