

Noise in Europe

2015 overview of policy-related data



The Netherlands

April 2016



The Environmental Noise Directive (END) requires EU Member States to assess exposure to noise from key transport and industrial sources with two initial reporting phases: 2007 and 2012. Where the recommended thresholds for day and night indicators are exceeded, action plans are to be implemented. This country fact sheet presents key statistics related to END assessments as reported to EEA by 30th June 2015 for the two key END indicators: L_{den} (day evening and night exposure) and L_{night} (night time exposure). Where possible this is presented for second round assessments reported in 2012. Trends are presented as the change in exposure from 2007 to 2012, for comparable sources only.



NETHERLANDS

Noise sources covered by this assessment		Trends on noise exposure 2007 - 2012																																																													
	END noise sources	Trends on noise exposure show, for both implementation rounds:																																																													
Number of agglomerations	21	<ul style="list-style-type: none"> - For agglomerations: the relative value of people exposed to more than 55 dB L_{den} and to more than 50 dB L_{night} due to different noise sources (values are expressed in %). - For major airports: total number of people exposed to more than 55 dB L_{den} and to more than 50 dB L_{night} (values are expressed in real numbers). 																																																													
Major roads	3181 km																																																														
Major railways*	854 km																																																														
Number of major airports	1																																																														
Name of major airports	Amsterdam Airport Schiphol	<p>Major airports:</p> <table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="2">L_{den}</th> <th colspan="2">L_{night}</th> </tr> <tr> <th>First round</th> <th>Second round</th> <th>First round</th> <th>Second round</th> </tr> </thead> <tbody> <tr> <td>Amsterdam Schiphol Airport</td> <td>1000</td> <td>52500</td> <td>0</td> <td>1900</td> </tr> </tbody> </table>					L_{den}		L_{night}		First round	Second round	First round	Second round	Amsterdam Schiphol Airport	1000	52500	0	1900																																												
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Name of agglomerations and number of inhabitants	Alkmaar 226366 Almere 190655 Amersfoort 146592 Amsterdam 1615331 Apeldoorn 156199 Arnhem 148070 Breda 174599 Eindhoven 437629 Enschede 311184 Gouda 184109 Groningen 189991 Heerlen 232441 Hilversum 214669 Maastricht 119664 Nijmegen 164223 Rotterdam 1290840 s Hertogenbosch 140786 The Hague 1279669 Tilburg 206240 Utrecht 517647 Zwolle 120355	<p>Agglomerations:</p> <table border="1"> <thead> <tr> <th rowspan="2">Airports (values in %)</th> <th colspan="2">L_{den}</th> <th colspan="2">L_{night}</th> </tr> <tr> <th>First round</th> <th>Second round</th> <th>First round</th> <th>Second round</th> </tr> </thead> <tbody> <tr> <td>Amsterdam</td> <td>4</td> <td>0</td> <td>1</td> <td>0</td> </tr> <tr> <td>Eindhoven</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>Heerlen</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>Rotterdam</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>The Hague</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>Utrecht</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th rowspan="2">Industry (values in %)</th> <th colspan="2">L_{den}</th> <th colspan="2">L_{night}</th> </tr> <tr> <th>First round</th> <th>Second round</th> <th>First round</th> <th>Second round</th> </tr> </thead> <tbody> <tr> <td>Amsterdam</td> <td>1</td> <td>1</td> <td>0</td> <td>0</td> </tr> <tr> <td>Eindhoven</td> <td>1</td> <td>1</td> <td>0</td> <td>0</td> </tr> </tbody> </table>				Airports (values in %)	L_{den}		L_{night}		First round	Second round	First round	Second round	Amsterdam	4	0	1	0	Eindhoven	0	0	0	0	Heerlen	0	0	0	0	Rotterdam	0	0	0	0	The Hague	0	0	0	0	Utrecht	0	0	0	0	Industry (values in %)	L_{den}		L_{night}		First round	Second round	First round	Second round	Amsterdam	1	1	0	0	Eindhoven	1	1	0	0
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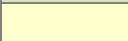

*Length 2005: includes only major railways > 60.000 train passages/year

Heerlen	0	0	0	0
Rotterdam	5	2	1	0
The Hague	1	1	0	0
Utrecht	0	0	0	0

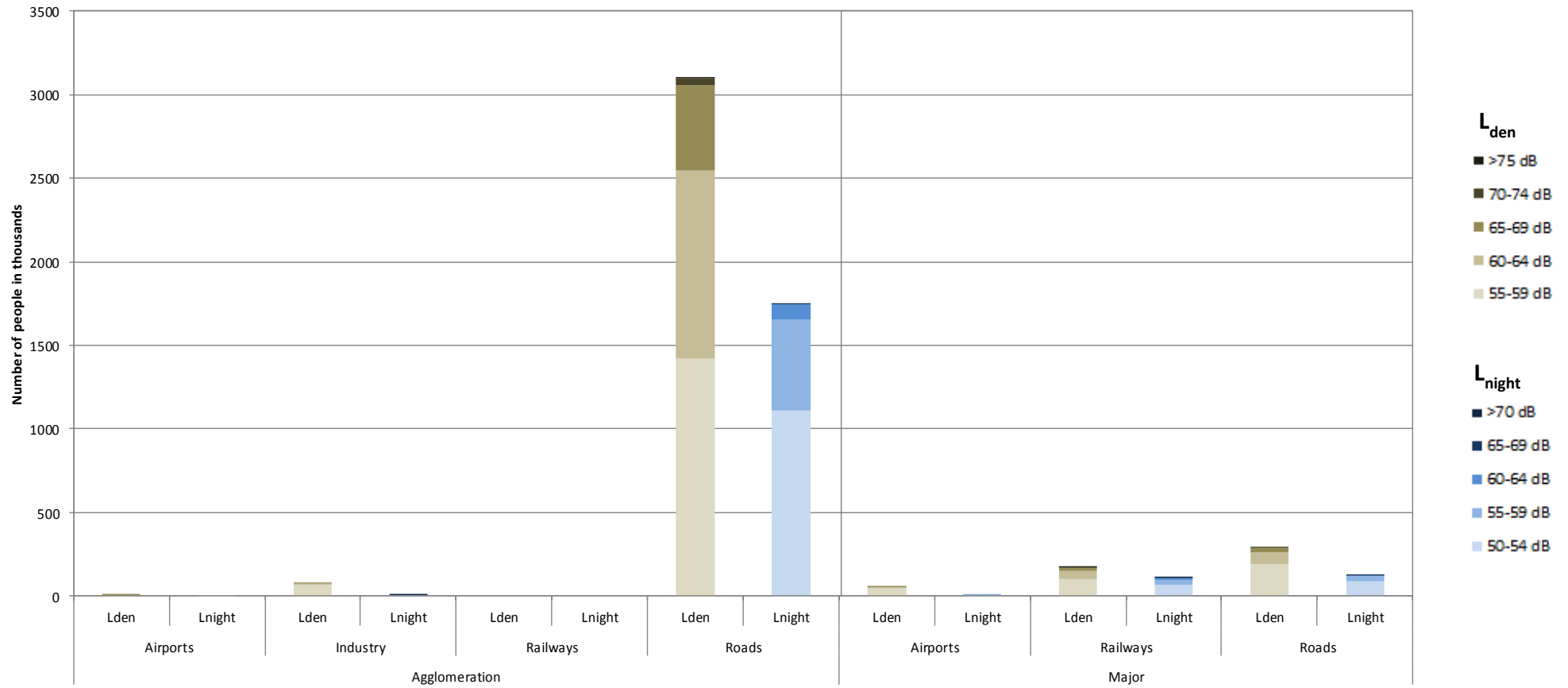
Railways (values in %)	L _{den}		L _{night}	
	First round	Second round	First round	Second round
Amsterdam	5	0	3	0
Eindhoven	5	0	8	0
Heerlen	1	0	1	0
Rotterdam	4	0	2	0
The Hague	3	0	2	0
Utrecht	9	0	5	0

Roads (values in %)	L _{den}		L _{night}	
	First round	Second round	First round	Second round
Amsterdam	35	41	20	24
Eindhoven	29	46	13	26
Heerlen	36	35	19	18
Rotterdam	38	44	23	28
The Hague	43	39	24	22
Utrecht	42	45	23	24

N/D: Data not provided or unsuitable for deriving trends (e.g. data reported for only one round)

	Decrease in population exposed
	No change
	Increase in population exposed

Number of people exposed to different noise bands per L_{den} and L_{night} (2012)

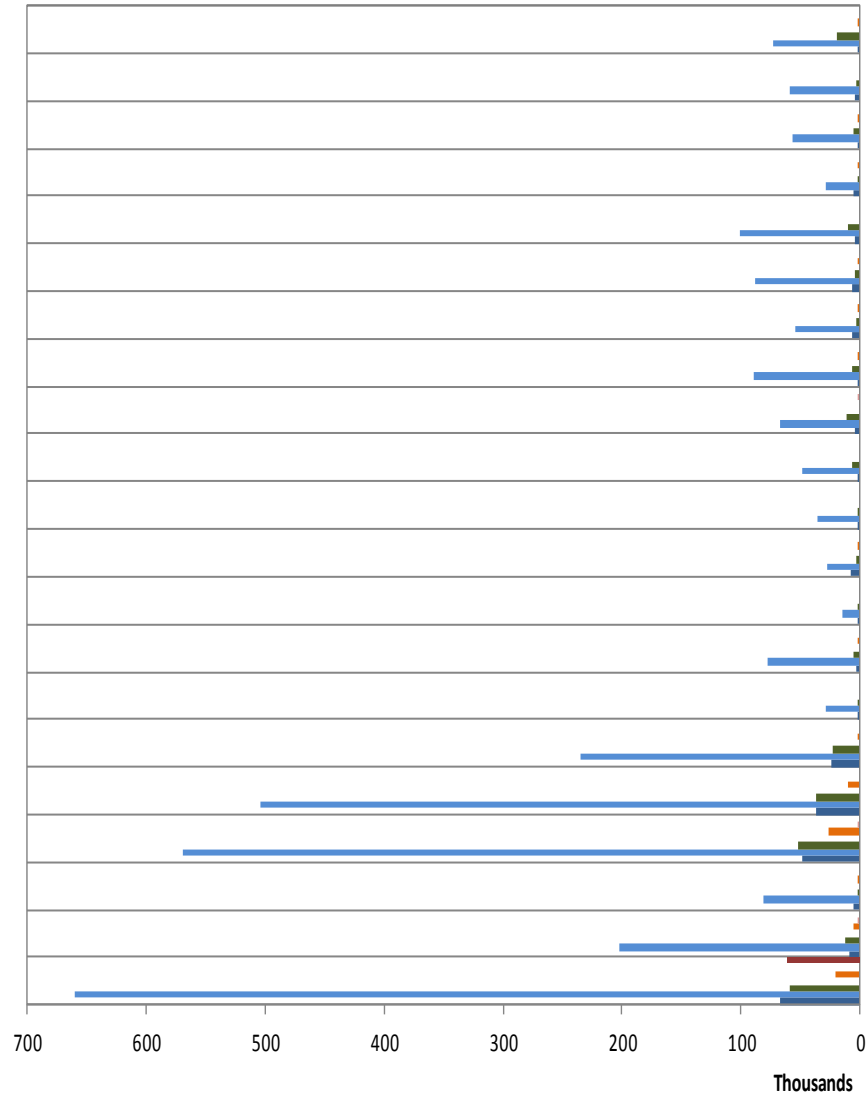


Data relating to END mandatory noise contour maps (2012)

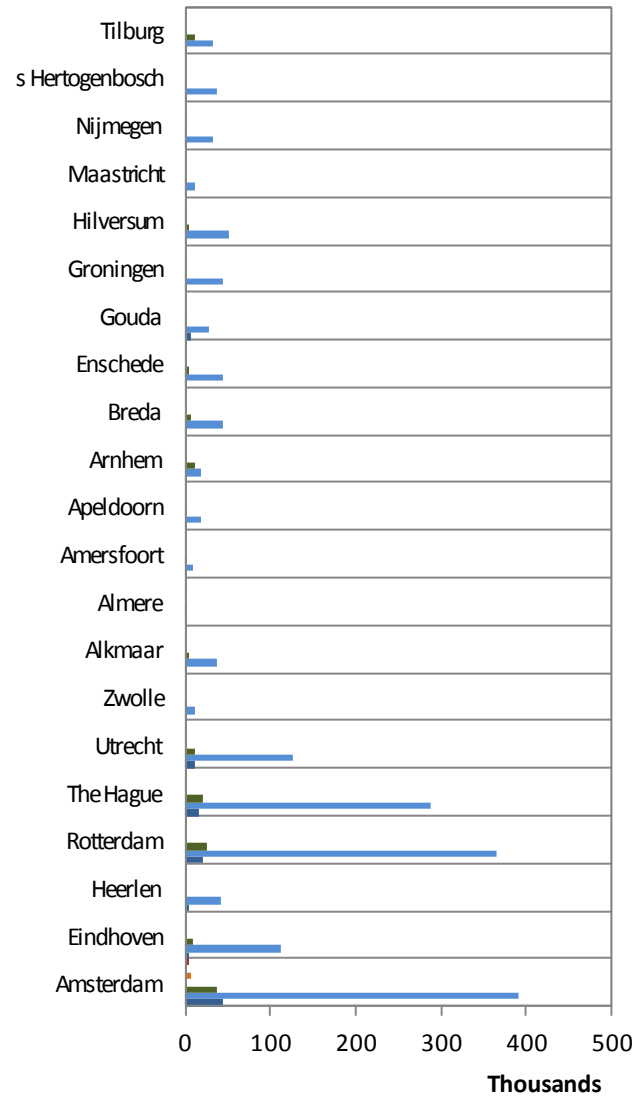
	Major roads	Major railways	Major airports
Country area (km ²)	34951.26	34951.26	34951.26
Km of noise sources	N/D	854.00	N/A
Area of contour map in the 55-65 dB L _{den} band (in km ²)	N/D	N/D	N/D
Share of area of contour map in the 55-65 dB L _{den} band per km of noise source reported	N/D	N/D	N/D
Percentage of the country area occupied by contour maps in the 55-65 dB L _{den} band (in %)	N/D	N/D	N/D
Area of contour map with more than 65 dB L _{den} (in km ²)	N/D	N/D	N/D
Share of area of contour map with more than 65 dB L _{den} per km of noise source reported	N/D	N/D	N/D
Percentage of the country area occupied by contour maps with more than 65 dB L _{den} (in %)	N/D	N/D	N/D

*N/A: Not applicable. N/D: No data in suitable format to perform the spatial analysis

Total number of people exposed to noise inside agglomerations (2012)

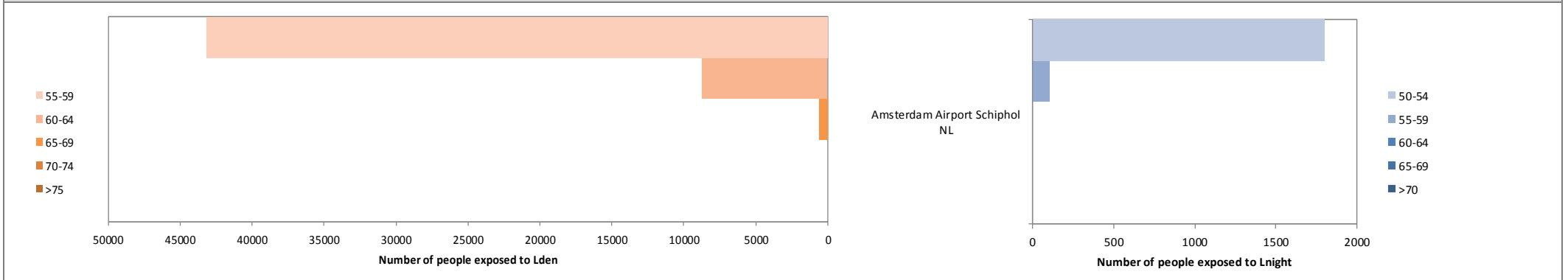


Number of people exposed to Lden > 55 dB



Number of people exposed to Lnight > 50 dB

Total number of people exposed to noise from major airports outside agglomerations (2012)



For further information please consult the full Noise in Europe report at www.eea.europa.eu/themes/noise or visit the Noise Observation & Information Service for Europe at <http://noise.eionet.europa.eu/>.