

Noise in Europe

2015 overview of policy-related data



Belgium 

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.



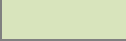


BELGIUM

Noise sources covered by this assessment		Trends on noise exposure 2007 - 2012																																																																											
	END noise sources	<p>Trends on noise exposure show, for both implementation rounds:</p> <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). <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>Brussels Airport</td> <td>49700</td> <td>65000</td> <td>23900</td> <td>25600</td> </tr> </tbody> </table> <p>Agglomerations:</p> <table border="1"> <thead> <tr> <th rowspan="2">Airports</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>(values in %)</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Antwerp</td> <td>0</td> <td>1</td> <td>0</td> <td>0</td> </tr> <tr> <td>Brussels</td> <td>N/D</td> <td>N/D</td> <td>N/D</td> <td>N/D</td> </tr> <tr> <td>Ghent</td> <td>N/D</td> <td>N/D</td> <td>N/D</td> <td>N/D</td> </tr> </tbody> </table> <p>Industry:</p> <table border="1"> <thead> <tr> <th rowspan="2">Industry</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>(values in %)</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Antwerp</td> <td>1</td> <td>1</td> <td>1</td> <td>0</td> </tr> <tr> <td>Brussels</td> <td>N/D</td> <td>N/D</td> <td>N/D</td> <td>N/D</td> </tr> <tr> <td>Ghent</td> <td>1</td> <td>1</td> <td>1</td> <td>1</td> </tr> </tbody> </table>					L _{den}		L _{night}		First round	Second round	First round	Second round	Brussels Airport	49700	65000	23900	25600	Airports	L _{den}		L _{night}		First round	Second round	First round	Second round	(values in %)					Antwerp	0	1	0	0	Brussels	N/D	N/D	N/D	N/D	Ghent	N/D	N/D	N/D	N/D	Industry	L _{den}		L _{night}		First round	Second round	First round	Second round	(values in %)					Antwerp	1	1	1	0	Brussels	N/D	N/D	N/D	N/D	Ghent	1	1	1	1
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Ghent	1	1	1	1																																																																									
Number of agglomerations	6																																																																												
Major roads	5406 km																																																																												
Major railways*	1390 km																																																																												
Number of major airports	1																																																																												
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Name of agglomerations and number of inhabitants	Antwerp 483353 Bruges 117313 Brussels 999899 Charleroi 203464 Ghent 237250																																																																												
*Length 2005: includes only major railways > 60.000 train passages/year																																																																													

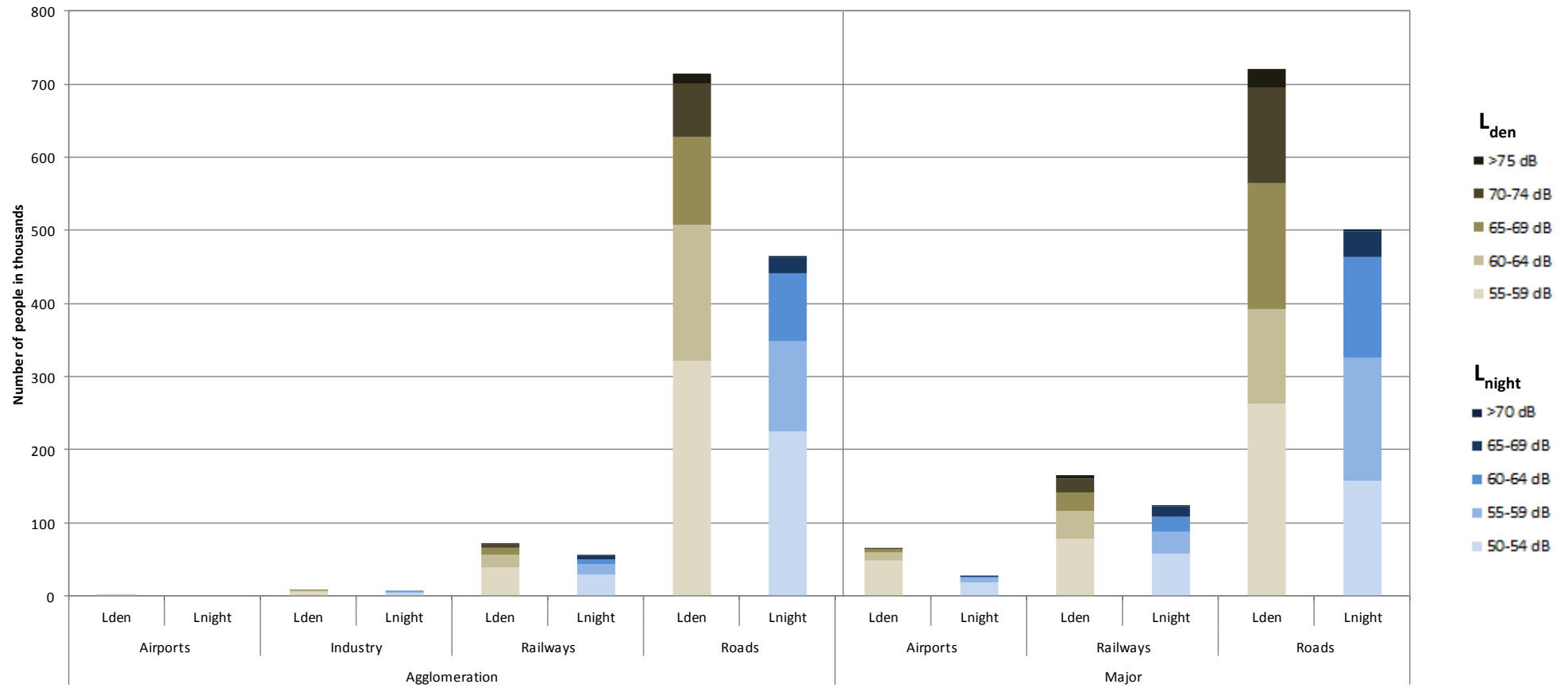
Railways (values in %)	L _{den}		L _{night}	
	First round	Second round	First round	Second round
Antwerp	6	10	4	7
Brussels	N/D	N/D	N/D	N/D
Ghent	10	8	8	6

Roads (values in %)	L _{den}		L _{night}	
	First round	Second round	First round	Second round
Antwerp	85	91	25	62
Brussels	N/D	N/D	N/D	N/D
Ghent	78	76	60	59

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 not provided for industry, airports, roads and railways in 3 agglomerations.

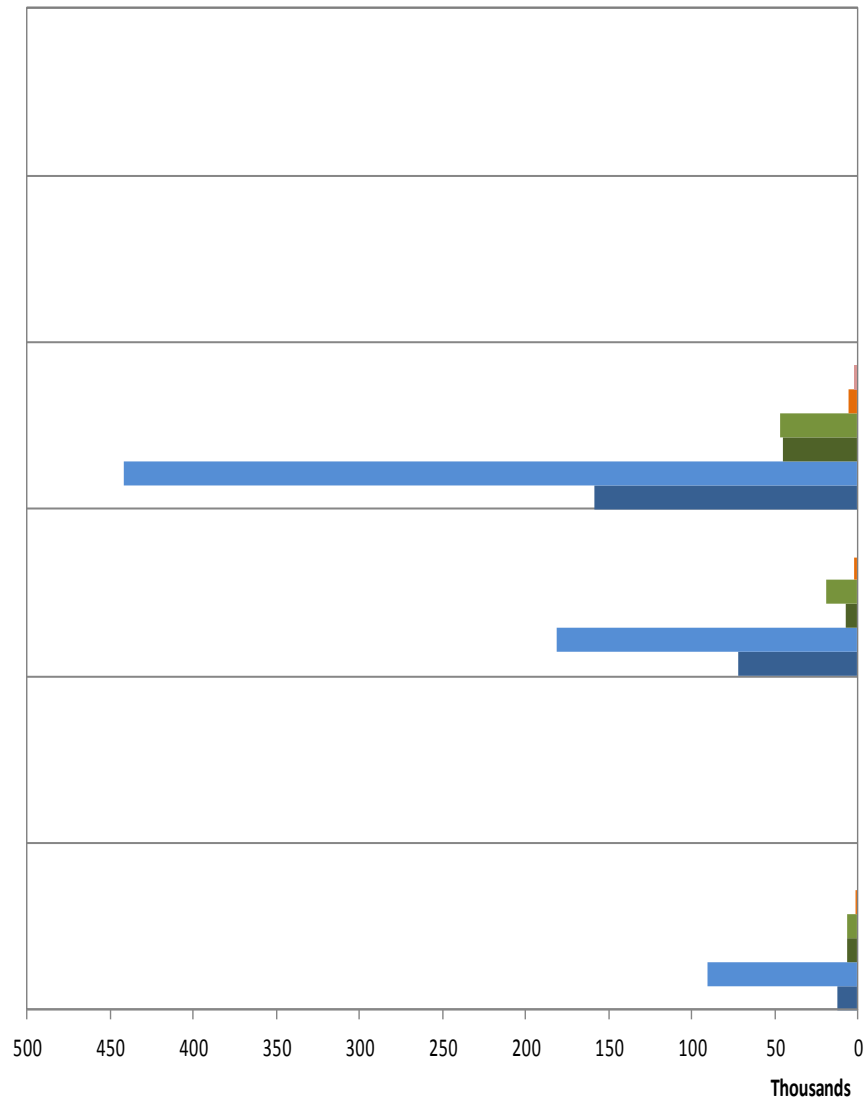
Data not applicable for airports in 2 agglomerations.

Data relating to END mandatory noise contour maps (2012)

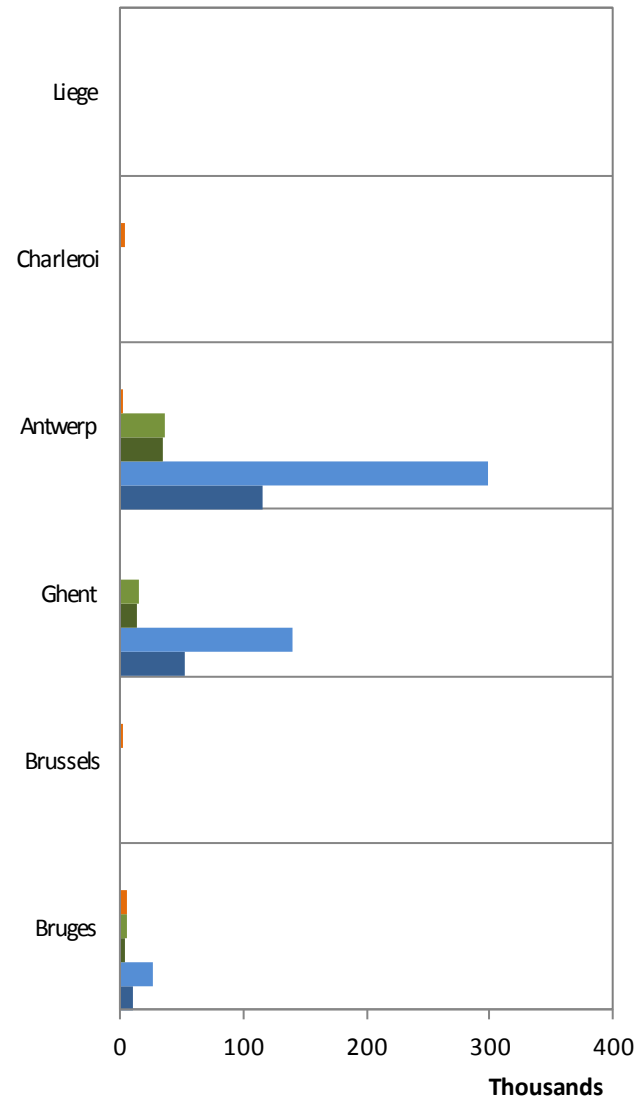
	Major roads	Major railways	Major airports
Country area (km ²)	30651.40	30651.40	30651.40
Km of noise sources	N/D	906.60	N/A
Area of contour map in the 55-65 dB L _{den} band (in km ²)	N/D	N/D	N/D
Share of area of contour map in the 55-65 dB L _{den} band per km of noise source reported	N/D	N/D	N/D
Percentage 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)



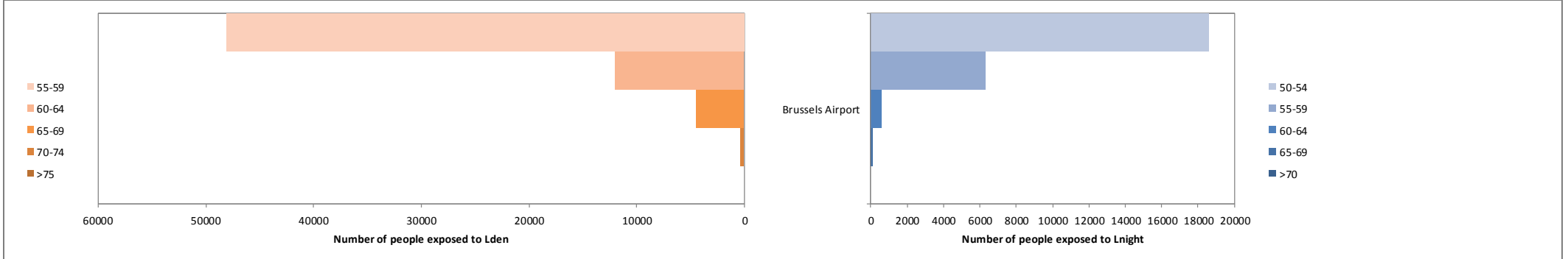
Number of people exposed to Lden > 55 dB



Number of people exposed to Lnight > 50 dB

- Major Airports
- Airports
- Industry
- Railways
- Major Railways
- Roads
- Major Roads

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/>.