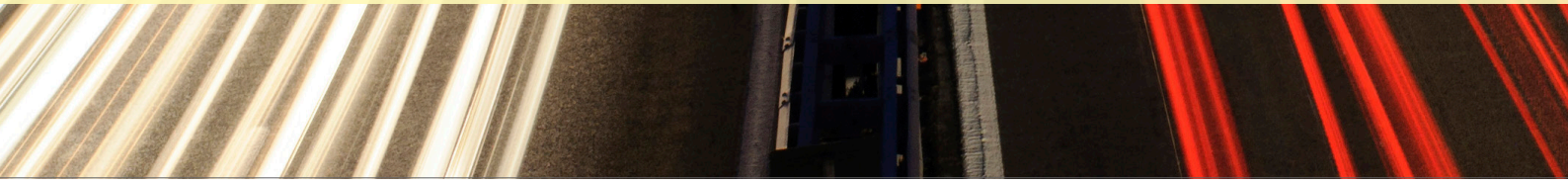
Country fact sheet

Noise in Europe

2015 overview of policy-related data

Romania

April 2016



European Environment Agency

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.

ROMANIA

Noise sources covered by this assessment

	END noise sources
Number of agglomerations	19
Major roads	3270 km
Major railways	119 km
Number of major airports	1
Name of major airports	Bucharest Henry Coandă International Airport
Name of agglomerations and number of inhabitants	Arad 147922 Bacau 133460 Baia Mare 114925 Botosani 100890 Braila 168389 Brasov 227961 Bucharest 1677985 Buzau 108384 Cluj-Napoca 309136 Constanta 254693 Craiova 243765 Galati 231204 Iasi 263410 Oradea 183123 Pitesti 148264 Ploiesti 222825 Sibiu 137026 Targu Mures 127849 Timisoara 304467

Trends on noise exposure 2007 - 2012

Trends on noise exposure show, for both implementation rounds:

- 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 airports:

	L_{den}		L_{night}	
	First round	Second round	First round	Second round
Bucharest Henri Coandă International Airport	3000	6500	5400	200

Agglomerations:

Airports	L_{den}		L_{night}	
(values in %)	First round	Second round	First round	Second round
Brasov	N/D	N/D	N/D	N/D
Bucharest	N/D	N/D	N/D	N/D
Cluj-Napoca	0.15	0	1.28	0
Constanta	N/D	N/D	N/D	N/D
Craiova	0	0	0	0
Galati	N/D	N/D	N/D	N/D
Iasi	N/D	N/D	N/D	N/D
Ploiesti	N/D	N/D	N/D	N/D
Timisoara	N/D	N/D	N/D	N/D

Industry	L_{den}		L_{night}	
(values in %)	First round	Second round	First round	Second round
Brasov	N/D	N/D	N/D	N/D
Bucharest	N/D	N/D	N/D	N/D
Cluj-Napoca	0.28	0	0.12	0
Constanta	N/D	N/D	N/D	N/D
Craiova	1	0	1	0
Galati	N/D	N/D	N/D	N/D
Iasi	N/D	N/D	N/D	N/D
Ploiesti	N/D	N/D	N/D	N/D
Timisoara	0	0	0	0

Railways	L_{den}		L_{night}	
(values in %)	First round	Second round	First round	Second round
Brasov	N/D	N/D	N/D	N/D
Bucharest	N/D	N/D	N/D	N/D
Cluj-Napoca	3	4	2	1
Constanta	N/D	N/D	N/D	N/D
Craiova	4	10	3	8
Galati	4	0	2	1
Iasi	N/D	N/D	N/D	N/D
Ploiesti	N/D	N/D	N/D	N/D
Timisoara	3	0	2	0

Roads	L_{den}		L_{night}	
(values in %)	First round	Second round	First round	Second round
Brasov	N/D	N/D	N/D	N/D
Bucharest	N/D	N/D	N/D	N/D
Cluj-Napoca	64	16	34	12
Constanta	N/D	N/D	N/D	N/D
Craiova	36	87	11	70
Galati	55	44	36	25
Iasi	N/D	N/D	N/D	N/D
Ploiesti	N/D	N/D	N/D	N/D
Timisoara	49	21	42	15

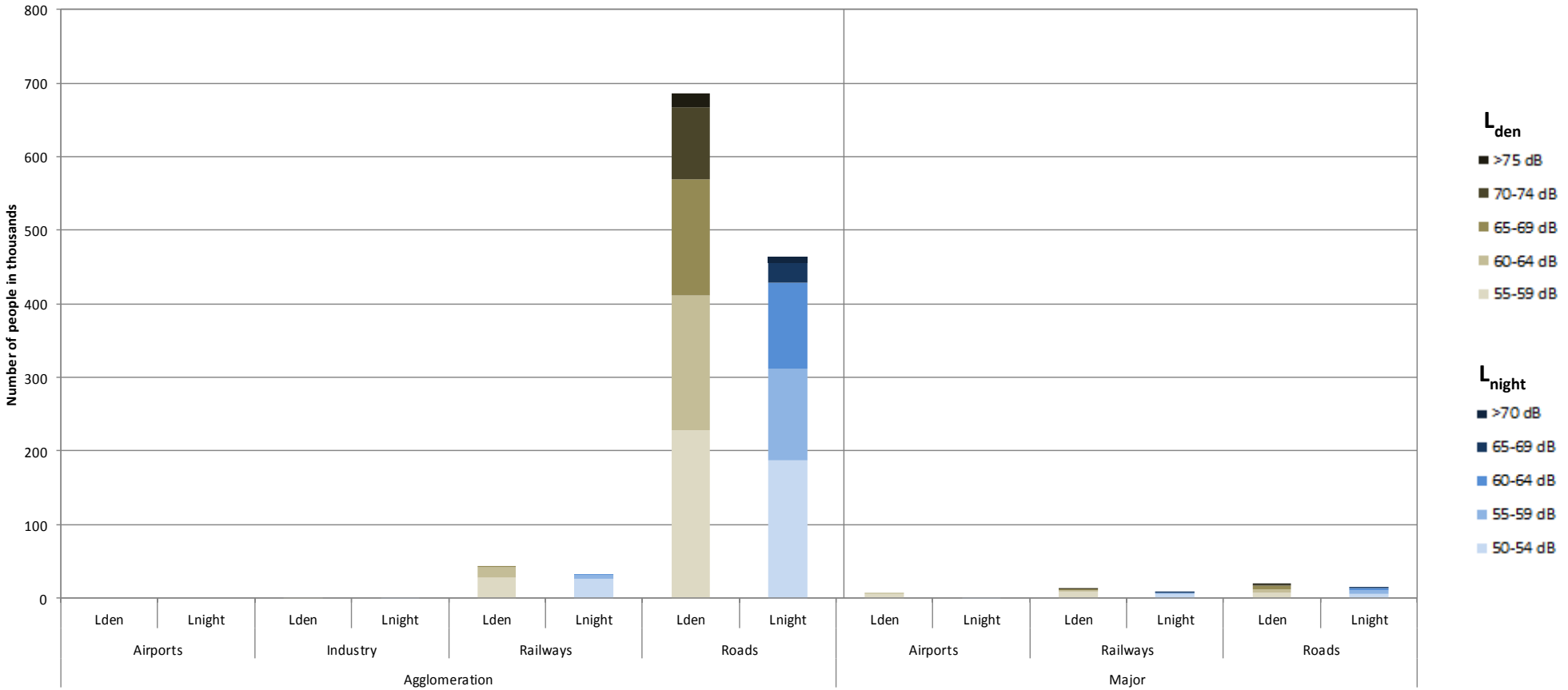
N/D: Data not provided or unsuitable for deriving trends (e.g. data reported for only one round)

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 12 agglomerations.
Data not applicable for airport noise in 3 agglomerations.

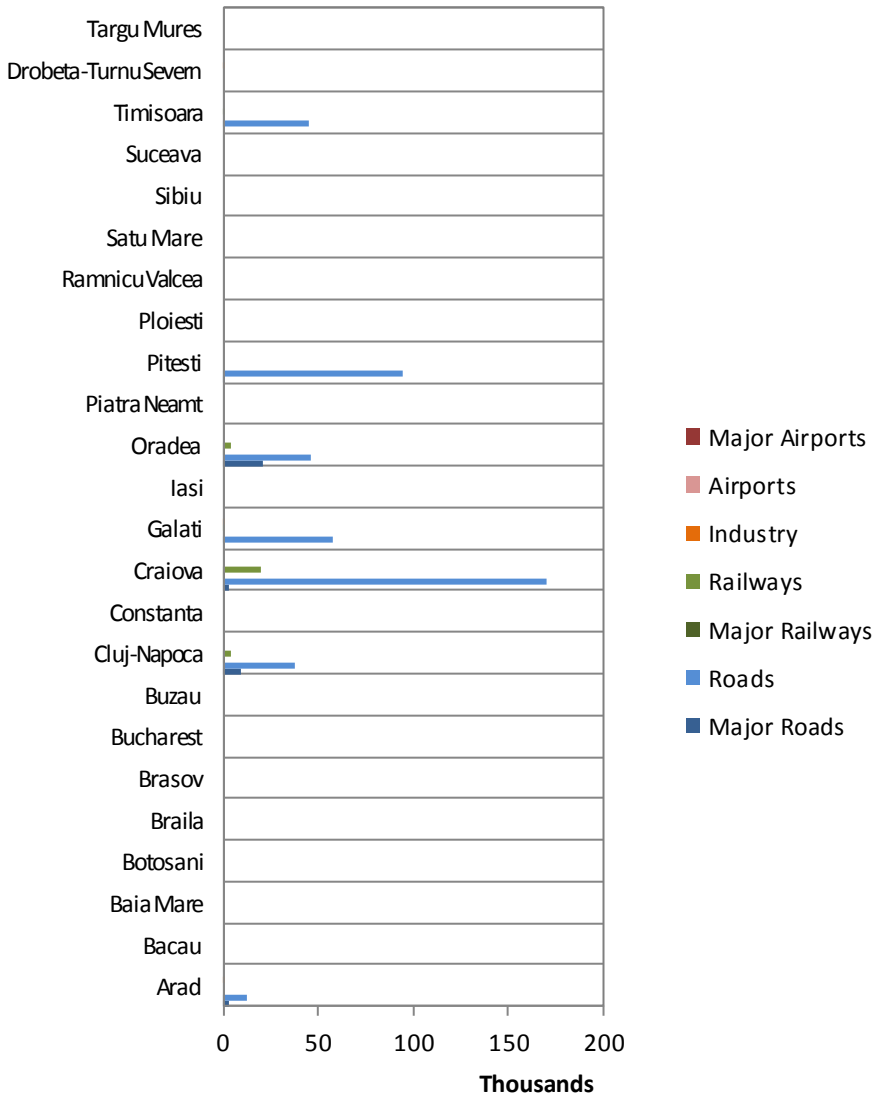
Data relating to END mandatory noise contour maps (2012)

	Major roads	Major railways	Major airports
Country area (km^2)	237377.06	237377.06	237377.06
Km of noise sources	N/D	119.28	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

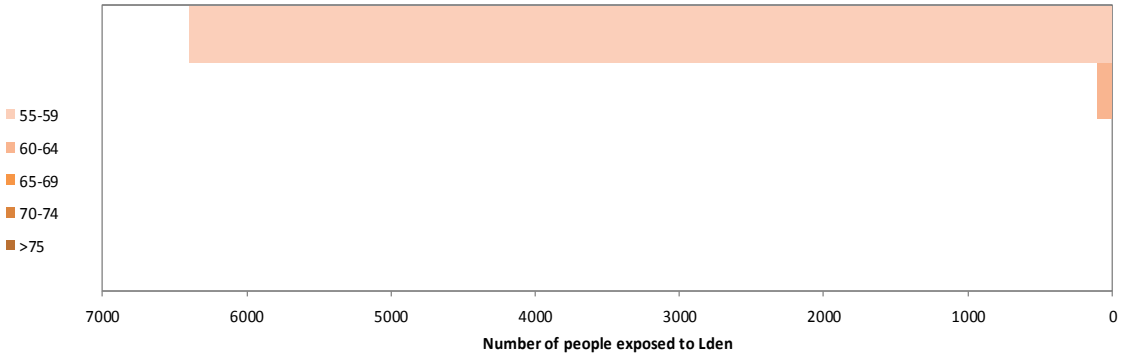
Total number of people exposed to noise inside agglomerations (2012)

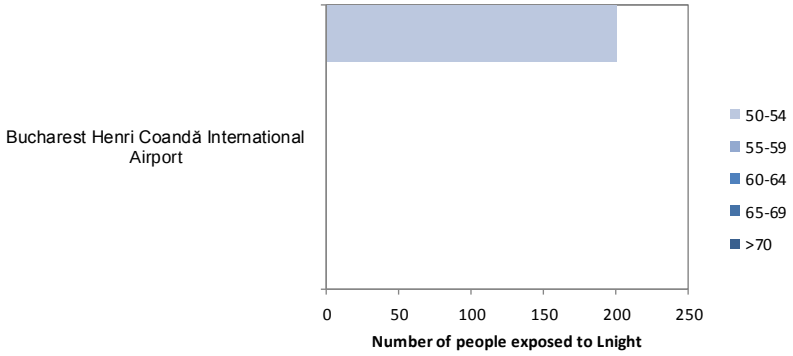
Number of people exposed to Lden > 55 dB



Number of people exposed to Lnight > 50 dB

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





For futher 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/.