

Noise in Europe

2015 overview of policy-related data



France 

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.



FRANCE

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>Bordeaux- Merignac</td> <td>N/D</td> <td>N/D</td> <td>N/D</td> <td>N/D</td> </tr> <tr> <td>Toulouse Blagnac</td> <td>N/D</td> <td>N/D</td> <td>N/D</td> <td>N/D</td> </tr> <tr> <td>Lyon - Saint - Exupery</td> <td>N/D</td> <td>N/D</td> <td>N/D</td> <td>N/D</td> </tr> <tr> <td>Marseille - Provence</td> <td>N/D</td> <td>N/D</td> <td>N/D</td> <td>N/D</td> </tr> <tr> <td>Nice cote d'azur</td> <td>N/D</td> <td>N/D</td> <td>N/D</td> <td>N/D</td> </tr> <tr> <td>Paris Le Bourget</td> <td>N/D</td> <td>N/D</td> <td>N/D</td> <td>N/D</td> </tr> <tr> <td>Paris Charles de Gaulle</td> <td>N/D</td> <td>N/D</td> <td>N/D</td> <td>N/D</td> </tr> <tr> <td>Paris Orly</td> <td>N/D</td> <td>N/D</td> <td>N/D</td> <td>N/D</td> </tr> <tr> <td>Bale - Mulhouse</td> <td>N/D</td> <td>N/D</td> <td>N/D</td> <td>N/D</td> </tr> </tbody> </table> <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>Avignon</td> <td>N/D</td> <td>N/D</td> <td>N/D</td> <td>N/D</td> </tr> <tr> <td>Bethune</td> <td>N/D</td> <td>N/D</td> <td>N/D</td> <td>N/D</td> </tr> <tr> <td>Bordeaux</td> <td>N/D</td> <td>N/D</td> <td>N/D</td> <td>N/D</td> </tr> <tr> <td>Clermont-Ferrand</td> <td>N/D</td> <td>N/D</td> <td>N/D</td> <td>N/D</td> </tr> <tr> <td>Douai - Lens</td> <td>N/D</td> <td>N/D</td> <td>N/D</td> <td>N/D</td> </tr> <tr> <td>Grenoble</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>					L_{den}		L_{night}		First round	Second round	First round	Second round	Bordeaux- Merignac	N/D	N/D	N/D	N/D	Toulouse Blagnac	N/D	N/D	N/D	N/D	Lyon - Saint - Exupery	N/D	N/D	N/D	N/D	Marseille - Provence	N/D	N/D	N/D	N/D	Nice cote d'azur	N/D	N/D	N/D	N/D	Paris Le Bourget	N/D	N/D	N/D	N/D	Paris Charles de Gaulle	N/D	N/D	N/D	N/D	Paris Orly	N/D	N/D	N/D	N/D	Bale - Mulhouse	N/D	N/D	N/D	N/D	Airports (values in %)	L_{den}		L_{night}		First round	Second round	First round	Second round	Avignon	N/D	N/D	N/D	N/D	Bethune	N/D	N/D	N/D	N/D	Bordeaux	N/D	N/D	N/D	N/D	Clermont-Ferrand	N/D	N/D	N/D	N/D	Douai - Lens	N/D	N/D	N/D	N/D	Grenoble	0	0	0	0
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Number of agglomerations	58																																																																																																	
Major roads*	24972 km																																																																																																	
Major railways**	7239 km																																																																																																	
Number of major airports	8																																																																																																	
Name of major airports	Bordeaux-Merignac Airport Lyon-Saint Exupery Airport Marseille Provence Airport Nice Cote d'Azur Airport Paris Charles de Gaulle Airport Paris Le Bourget Airport Paris Orly Airport Toulouse Blagnac Airport																																																																																																	
Name of agglomerations and number of inhabitants	Amiens 175700 Angers 226800 Angouleme 104900 Annecy 136800 Annemasse 106700 Avignon 253600 Bayonne 179000 Besancon 134400 Bethune 259200 Bordeaux 756800 Brest 210100 Caen 199500 Calais 104900 Chambéry 113500																																																																																																	

Clermont-Ferrand	275400
Dijon	243200
Douai - Lens	518700
Dunkerque	210000
Fort-de-France	170200
Grenoble	429400
La Rochelle	139900
Le Havre	248500
Le Mans	194800
Lille	1000900
Limoges	173300
Lorient	116200
Lyon	1378200
Marseille	1391400
Maubeuge	100000
Metz	332400
Montbéliard	121100
Montpellier	288000
Mulhouse	234400
Nancy	331400
Nantes	544900
Nice	889400
Nîmes	148900
Orléans	266400
Paris	9665900
Pau	184600
Perpignan	219600
Pointe-a-Pitre - Les Abymes	171800
Poitiers	131000
Reims	216900
Rennes	272300
Rouen	389900
Saint-Denise-de-la-Reunion	158100
Saint-Etienne	387800
Saint-Nazaire	136900
Saint-Pierre	129200
Strasbourg	454800
Thionville	130500
Toulon	519600
Toulouse	762000
Tours	305100
Troyes	128900
Valence	117400
Valenciennes	375700

Lille	N/D	N/D	N/D	N/D
Lyon	0.08	0	0	0
Marseille	N/D	N/D	N/D	N/D
Metz	N/D	N/D	N/D	N/D
Montpellier	N/D	N/D	N/D	N/D
Nancy	N/D	N/D	N/D	N/D
Nantes	N/D	N/D	N/D	N/D
Nice	1	1	0	0
Orléans	N/D	N/D	N/D	N/D
Paris	4	0	1	0
Rennes	N/D	N/D	N/D	N/D
Rouen	N/D	N/D	N/D	N/D
Saint-Etienne	0	0	0	0
Strasbourg	N/D	N/D	N/D	N/D
Toulon	N/D	N/D	N/D	N/D
Toulouse	N/D	N/D	N/D	N/D
Tours	N/D	N/D	N/D	N/D
Valenciennes	N/D	N/D	N/D	N/D

Industry (values in %)	L _{den}		L _{night}	
	First round	Second round	First round	Second round
Avignon	N/D	N/D	N/D	N/D
Bethune	N/D	N/D	N/D	N/D
Bordeaux	N/D	N/D	N/D	N/D
Clermont-Ferrand	N/D	N/D	N/D	N/D
Douai - Lens	N/D	N/D	N/D	N/D
Grenoble	0	0	0	0
Lille	N/D	N/D	N/D	N/D
Lyon	0	0	0	0
Marseille	N/D	N/D	N/D	N/D
Metz	N/D	N/D	N/D	N/D
Montpellier	N/D	N/D	N/D	N/D
Nancy	N/D	N/D	N/D	N/D
Nantes	N/D	N/D	N/D	N/D
Nice	0	0	0	0

* Only major roads > 3000000 mov/yr and <6000000 mov/yr reported
 ** Only major railways > 30.000 train passages/yr and <60.000 train passages/year reported

Orleans	N/D	N/D	N/D	N/D
Paris	N/D	N/D	N/D	N/D
Rennes	N/D	N/D	N/D	N/D
Rouen	N/D	N/D	N/D	N/D
Saint-Etienne	1	10	0	4
Strasbourg	N/D	N/D	N/D	N/D
Toulon	N/D	N/D	N/D	N/D
Toulouse	N/D	N/D	N/D	N/D
Tours	N/D	N/D	N/D	N/D
Valenciennes	N/D	N/D	N/D	N/D

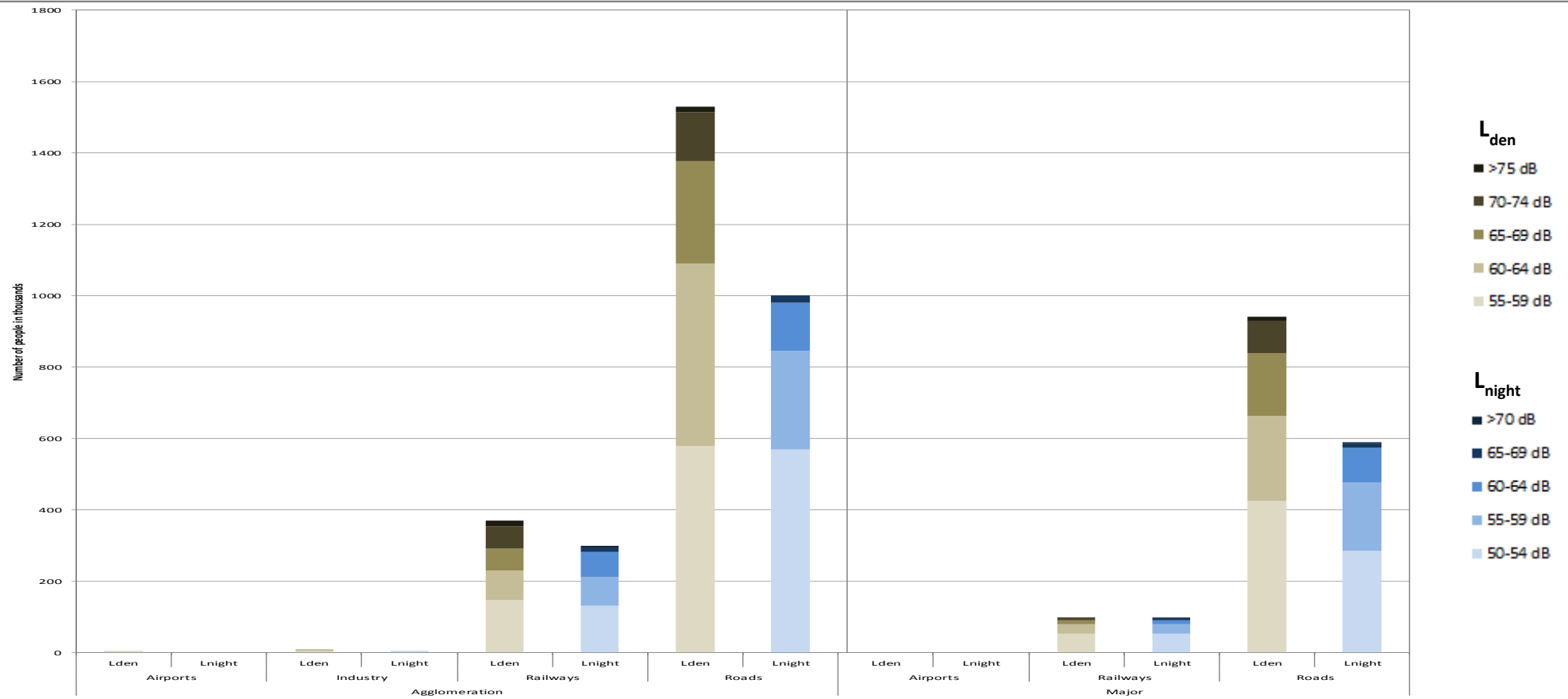
Railway (values in %)	L _{den}		L _{night}	
	First round	Second Round	First Round	Second Round
Avignon	0	1	0	1
Bethune	3	19	2	17
Bordeaux	4	2	4	2
Clermont-Ferrand	3	0	2	0
Douai - Lens	14	10	12	8
Grenoble	23	12	10	8
Lille	2	9	2	8
Lyon	9	11	9	9
Marseille	8	1	7	1
Metz	30	3	27	3
Montpellier	14	6	12	5
Nancy	7	3	6	3
Nantes	4	2	0	2
Nice	8	6	7	5
Orleans	10	10	8	8
Paris	16	2	13	1
Rennes	N/D	N/D	N/D	N/D
Rouen	N/D	N/D	N/D	N/D
Saint-Etienne	14	9	5	6
Strasbourg	14	4	10	3
Toulon	7	6	6	5
Toulouse	6	1	5	1
Tours	17	2	15	2
Valenciennes	5	3	4	3

Road (values in %)	L _{den}		L _{night}	
	First round	Second round	First round	Second round
Avignon	4	32	2	21
Bethune	72	0	50	0
Bordeaux	67	20	24	12
Clermont-Ferrand	58	8	37	3
Douai - Lens	N/D	N/D	N/D	N/D
Grenoble	86	81	56	54
Lille	N/D	N/D	N/D	N/D
Lyon	79	80	53	58
Marseille	75	41	55	32
Metz	83	40	59	27
Montpellier	93	30	61	19
Nancy	72	0	34	0
Nantes	61	2	16	1
Nice	59	38	34	22
Orleans	N/D	N/D	N/D	N/D
Paris	74	22	51	16
Rennes	N/D	N/D	N/D	N/D
Rouen	89	8	48	5
Saint-Etienne	78	82	34	58
Strasbourg	61	34	37	25
Toulon	60	23	39	16
Toulouse	N/D	N/D	N/D	N/D
Tours	93	0	73	0
Valenciennes	89	0	68	0

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)



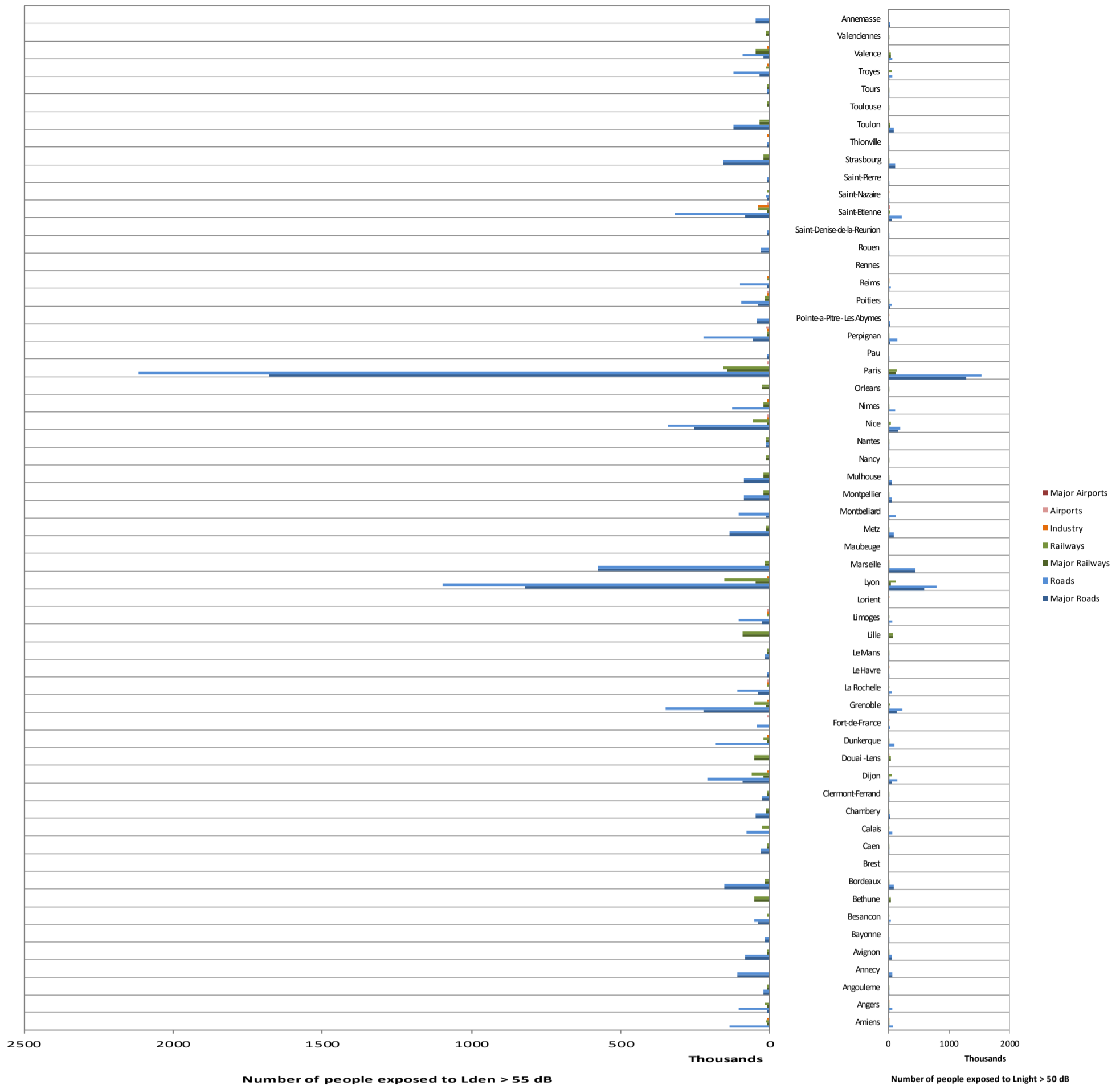
Data not provided in 45 agglomerations for aircraft noise, in 40 agglomerations for industrial noise, in 15 agglomerations for railway noise and in 8 agglomerations for road noise. Data not provided for major airports.

Data relating to END mandatory noise contour maps (2012)

	Major roads	Major railways	Major airports
Country area (km ²)	548055.99	548055.99	548055.99
Km of noise sources	N/D	1437.25	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)



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

Data not provided.