



## Reported data on noise exposure covered by Directive 2002/49/EC, 2022, July 2024

The Directive relating to the assessment and management of environmental noise (the Environmental Noise Directive – END, 2002/49/EC) is the main EU instrument to identify noise pollution levels and to trigger the necessary action both at Member State and at EU level.

Data submitted by EEA member countries until 16/04/2024. This database contains information on the number of people exposed to 5 decibel (dB) bands for two indicators "Lden : 55-59, 60-64, 65-69, 70-74, >75" and "Lnight. : 50-54, 55-59, 60-64, 65-69, > 70".

Additional noise bands below these reporting thresholds are provided by some countries on a voluntary basis. The database covers the noise sources specified in the END (major roads, major railways, major airports and urban agglomerations) and the corresponding number of people exposed to each of the noise sources inside urban areas and outside urban areas. Percentage of people exposed has also been calculated for comparative purposes. The reporting requirements were set to start as from 2005, and the reporting cycle specified in the END is 5 years, with the exposure data submitted in 2007, 2012, 2017 and 2022.

### Simple

#### Identification info

<b>Date (Creation)</b>	2024-07-30T18:02:46+00:00				
<b>Date (Publication)</b>	2024-07-30T18:02:46+00:00				
<b>Citation identifier</b>	eea_t_noise-exposure-2022_p_2021_v01_r00				
<b>Purpose</b>	Number of people exposed to a certain noise band. Percentage of people exposed to a certain noise band. Total number of inhabitants of a urban area, size of the urban area (km2) Length of major roads and major railways (km) Airport annual traffic (number of aircraft movements per year)				
<b>Status</b>	Superseded				
<b>Point of contact</b>	<b>Organisation</b>	<b>Individual</b>	<b>Electronic mail address</b>	<b>Website</b>	<b>Role</b>
	European Environment Agency				Point of contact
	European Environment Agency			<a href="http://www.eea.europa.eu/organization">http://www.eea.europa.eu/organization</a>	Custodian
<b>Topic category</b>	<ul style="list-style-type: none"> <li>Environment</li> </ul>				
<b>Extent</b>					
<b>Temporal extent</b>					
<b>Time period</b>	2021-01-01 2021-12-31				
<b>Maintenance and update frequency</b>					
<b>Reporting obligations</b>	<ul style="list-style-type: none"> <li><a href="#">Strategic noise maps (DF 4 and DF 8)</a></li> </ul>				
<b>EEA Management Plan</b>	<ul style="list-style-type: none"> <li><a href="#">2019 1.1.5</a></li> </ul>				
<b>EEA topics</b>	<ul style="list-style-type: none"> <li><a href="#">Environmental health impacts</a></li> </ul>				
<b>Continents, countries, sea regions of the world.</b>	<ul style="list-style-type: none"> <li><a href="#">Cyprus</a></li> <li><a href="#">Belgium</a></li> <li><a href="#">Denmark</a></li> </ul>				

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## Resource constraints

<b>Use constraints</b>	Other restrictions
<b>Other constraints</b>	License CC-BY 4.0 ( <a href="https://creativecommons.org/licenses/by/4.0/">https://creativecommons.org/licenses/by/4.0/</a> ). Copyright holder: European Environment Agency (EEA).

## Resource constraints

<b>Access constraints</b>	Other restrictions
<b>Other constraints</b>	<a href="#">No limitations to public access</a>

<b>Language</b>	English
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<b>Additional Information</b>	<p>Data submitted by EEA member countries until 16/04/2024.</p> <p>According to Article 7 of the END:</p> <p>Member States shall ensure that no later than 30 June 2007 strategic noise maps showing the situation in the preceding calendar year have been made and, where relevant, approved by the competent authorities, for all agglomerations with more than 250000 inhabitants and for all major roads which have more than six million vehicle passages a year, major railways which have more than 60000 train passages per year and major airports within their territories.</p> <p>Member States shall adopt the measures necessary to ensure that no later than 30 June 2012, and thereafter every five years, strategic noise maps showing the situation in the preceding calendar year have been made and, where relevant, approved by the competent authorities for all agglomerations and for all major roads and major railways within their territories.</p> <p>This information is reported according to Article 3 of the END, in which:</p> <p>'agglomeration' shall mean part of a territory, delimited by the Member State, having a population in excess of 100 000 persons and a population density such that the Member State considers it to be an urbanised area;</p> <p>'major road' shall mean a regional, national or international road, designated by the Member State, which has more than three million vehicle passages a year;</p> <p>'major railway' shall mean a railway, designated by the Member State, which has more than 30 000 train passages per year;</p> <p>'major airport' shall mean a civil airport, designated by the Member State, which has more than 50 000 movements per year (a movement being a take-off or a landing), excluding those purely for training purposes on light aircraft;</p>
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More information about the END Directive is available on the DG Environment web site ([http://ec.europa.eu/environment/noise/directive\\_en.htm](http://ec.europa.eu/environment/noise/directive_en.htm)).

## Distribution Information

Distribution format	<ul style="list-style-type: none"><li>Microsoft Excel (.xls, .xlsx)</li></ul>
OnLine resource	<a href="https://sdi.eea.europa.eu/webdav/datastore/public/eea_t_noise-exposure-2022_p_2021_v01_r00/">https://sdi.eea.europa.eu/webdav/datastore/public/eea_t_noise-exposure-2022_p_2021_v01_r00/</a>
OnLine resource	<p><a href="#">Direct download</a></p> <p>Data submitted by EEA member countries until 16/04/2024. This database contains information on the number of people exposed to 5 decibel (dB) bands for two indicators "Lden : 55-59, 60-64, 65-69, 70-74, &gt;75" and "Lnight. : 50-54, 55-59, 60-64, 65-69, &gt; 70". Additional noise bands below these reporting thresholds are provided by some countries on a voluntary basis. The database covers the noise sources specified in the END (major roads, major railways, major airports and urban agglomerations) and the corresponding number of people exposed to each of the noise sources inside urban areas and outside urban areas. Percentage of people exposed has also been calculated for comparative purposes. The reporting requirements were set to start as from 2005, and the reporting cycle specified in the END is 5 years, with the exposure data submitted in 2007, 2012, 2017 and 2022.</p>

## Resource lineage

Statement	European Commission Directorate-General for Environment; EEA.
Hierarchy level	Dataset

## Metadata

Metadata identifier	6390fc31-0c20-45bf-b866-417a1755098b								
Language	English								
Character encoding	UTF8								
Contact	<table><thead><tr><th>Organisation</th><th>Individual</th><th>Electronic mail address</th><th>Website Role</th></tr></thead><tbody><tr><td>European Environment Agency</td><td></td><td>sdi@eea.europa.eu</td><td>Point of contact</td></tr></tbody></table>	Organisation	Individual	Electronic mail address	Website Role	European Environment Agency		sdi@eea.europa.eu	Point of contact
Organisation	Individual	Electronic mail address	Website Role						
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## Type of resource

Resource type	Non geographic dataset
Name	Tabular dataset
Metadata linkage	<a href="https://sdi.eea.europa.eu/catalogue/srv/api/records/6390fc31-0c20-45bf-b866-417a1755098b">https://sdi.eea.europa.eu/catalogue/srv/api/records/6390fc31-0c20-45bf-b866-417a1755098b</a>
Date info (Creation)	2024-07-29T12:33:23.457494Z
Date info (Revision)	2025-10-09T10:54:14.51616Z

## Metadata standard

Title	ISO 19115-3:2018
Edition	1.0

Overviews

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