



Noise contours data reported under Environmental Noise Directive (END) 2017 (raster 10m) - version 2019, Oct. 2019

The data set includes the rasterized noise contours which have been reported by countries under the terms of the Environmental Noise Directive (END) by the 33 EEA member countries (EEA-33) excluding Türkiye for the third round of noise mapping in 2017. The data set includes submissions from the countries until 01/01/2019.

According to the END, for major sources of noise (i.e. major roads with more than 3 000 000 vehicle passages a year, major railways with more than 30 000 train passages per year and airports with more than 50 000 movements per year), countries have to submit noise contour maps for at least the >55 dB, >65 dB bands. Noise contour maps for roads, railways, airports and industries in urban agglomerations of more than 100 000 inhabitants need to be represented for at least 60, 65, 70 and 75 dB bands for the day-evening-night period.

Due to its size, the data set is provided in TIFF format (10 m cell size) files by country or region/state (in the case of BE and DE), with the noise contours for major sources at agglomeration level and national level, for both indicators Lden (day-evening-night noise level: the long-term average indicator designed to assess annoyance defined by the END; it refers to an A-weighted average sound pressure level over all days, evenings and nights in a year, with an evening weighting of 5 dB and a night weighting of 10 dB) and Lnight (night noise level: the long-term average indicator defined by the END and designed to assess sleep disturbance; it refers to an A-weighted annual average night period of exposure).

View services displaying this data set are used in the NOISE Observation & Information Service for Europe (Noise Viewer), developed and maintained by the EEA (<https://noise.eea.europa.eu/>).

Simple

Date (Creation)	2019-10-31			
Edition	01.00			
Citation identifier	eea_r_3035_10_m_noise-contours-end2017_i_2016_v01_r00			
Point of contact	Organisation name	Individual name	Electronic mail address	Website Role
	European Environment Agency		sdi@eea.europa.eu	http://www.eea.europa.eu Point of contact
	European Environment Agency		sdi@eea.europa.eu	Custodian
Maintenance and update frequency	As needed			
GEMET - INSPIRE themes, version 1.0	• Human health and safety			
Keywords				
Keywords				
GEMET	• motorway • noise monitoring • railway • road • noise • environmental noise • airport			
Continents, countries, sea regions of the world.	• Liechtenstein • Switzerland • EU28 (2013-2020) • Iceland • Norway			

Spatial scope	<ul style="list-style-type: none"> • European
INSPIRE priority data set	<ul style="list-style-type: none"> • Agglomerations - railways noise exposure delineation - night (Noise Directive) • Agglomerations - noise exposure delineation day-evening-night (Noise Directive) • Agglomerations - industrial noise exposure delineation day-evening-night (Noise Directive) • Major roads noise exposure delineation day-evening-night (Noise Directive) • Agglomerations - aircraft noise exposure delineation day-evening-night (Noise Directive) • Major airports noise exposure delineation day-evening-night (Noise Directive) • Major railways noise exposure delineation - night (Noise Directive) • Major roads noise exposure delineation - night (Noise Directive) • Major airports noise exposure delineation - night (Noise Directive) • Agglomerations - roads noise exposure delineation day-evening-night (Noise Directive) • Agglomerations – industrial noise exposure delineation - night (Noise Directive) • Directive 2002/49/EC • Major railways noise exposure delineation day-evening-night (Noise Directive) • Agglomerations - noise exposure delineation - night (Noise Directive) • Agglomerations - railways noise exposure delineation day-evening-night (Noise Directive) • Agglomerations - roads noise exposure delineation - night (Noise Directive) • Agglomerations - aircraft noise exposure delineation - night (Noise Directive)
EEA topics	<ul style="list-style-type: none"> • Noise • Pollution • Road transport • Transport and mobility • Environmental health effects
Access constraints	Other restrictions
Other constraints	public access limited according to Article 13(1)(e) of the INSPIRE Directive
Use constraints	Other restrictions
Other constraints	The full noise contour maps data set is in principle only available for EEA internal use. A public version of the data set may in the future be available, excluding those data sets for which there is any limitation or restriction in their use (beyond acknowledgement).
Spatial representation type	Grid
Distance	10 m
Language of dataset	English
Topic category	<ul style="list-style-type: none"> • Environment • Transportation • Health
Begin date	2016-01-01
End date	2016-12-31

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Coordinate reference system identifier	EPSG:3035
Distribution format	<ul style="list-style-type: none"> GeoTIFF ()

OnLine resource

No information provided.

OnLine resource	Protocol	Linkage	Name
	OGC:WMS	https://noise.discomap.eea.europa.eu/arcgis/services/noiseStoryMap/NoiseContours_air_Iden/ImageServer/WMSServer?request=GetCapabilities&service=WMS	
Hierarchy level	Dataset		

Conformance result

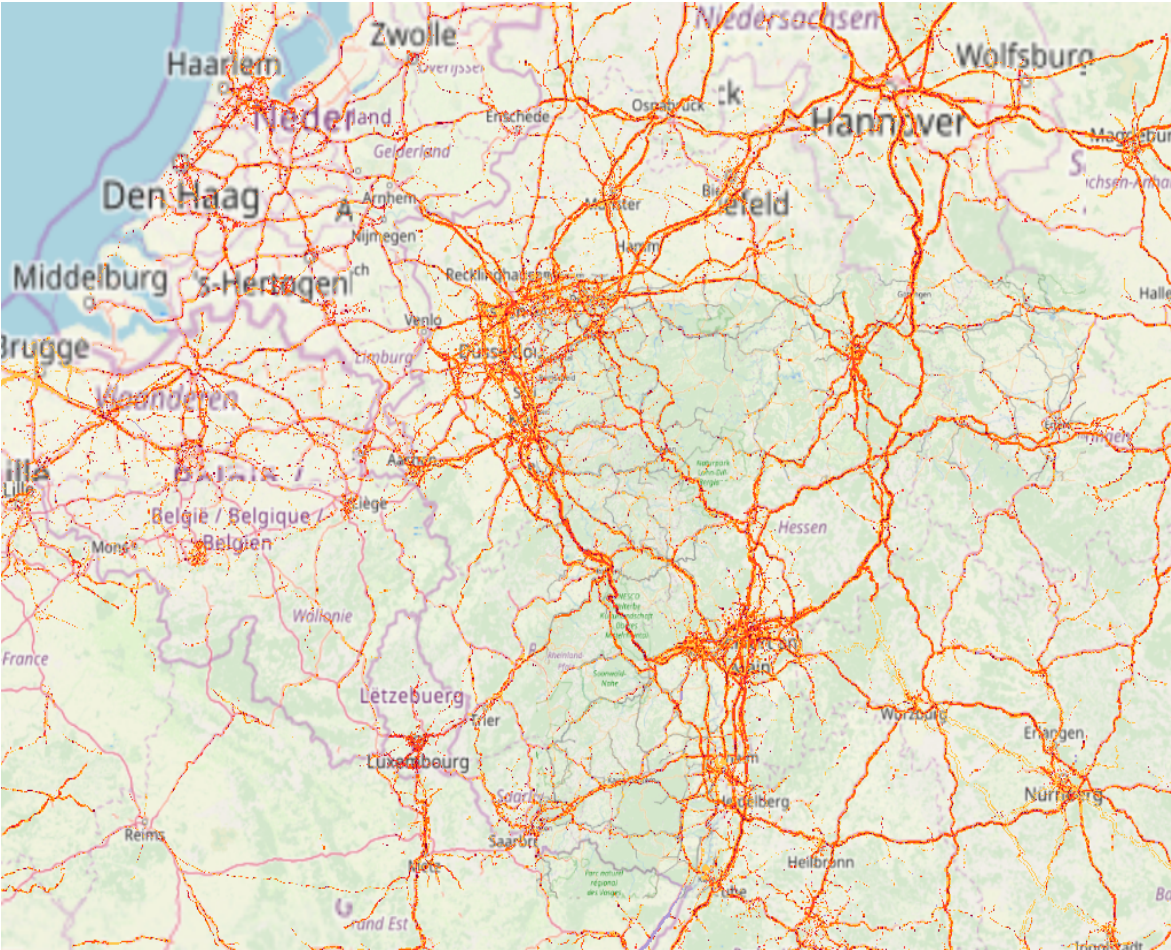
Title	Commission Regulation (EU) No 1089/2010 of 23 November 2010 implementing Directive 2007/2/EC of the European Parliament and of the Council as regards interoperability of spatial data sets and services
Date (Publication)	2010-12-08
Explanation	See the referenced specification
Statement	The raster data sets have been created out of the Noise Spatial Database, which in turn contains all versions delivered by the relevant countries (EU and EFTA) to Reportnet (CDR). The data from Reportnet is automatically incorporated into the database, with the exception of those data sets which require a manual review (due to problems with naming conventions or Coordinate Reference System). The data set covers any submission by the countries until 01/01/2019.
Source	<ul style="list-style-type: none"> Noise contours data reported under Environmental Noise Directive (END) 2017 (vector) - version 2019, Oct. 2019

Metadata

File identifier	e7807ecb-a8e6-4a33-baa2-d119eec9ce24 XML
Metadata language	English
Character set	UTF8
Hierarchy level	Dataset
Date stamp	2021-09-21T12:25:59.615Z
Metadata standard name	

	ISO 19115/19139		
Metadata standard version	1.0		
Metadata author	<div><div>Organisation name</div><div>Individual name</div></div> <div>European Environment Agency</div> <div><div>Electronic mail address</div><div>Website Role</div></div> <div>sdi@eea.europa.eu</div> <div>Point of contact</div>		

Overviews



Provided by

