



European
Commission

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Reporting obligation under Directive 2002/49/EC



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Workshop on Environment Noise Protection
Belgrade, 12-13 November 2015



- Environmental Noise Directive (END) requirements;
- Data Flows;
- ENDRM – END Reporting Mechanism;
- NOISE - Noise Observation and Information Service for Europe;

- Article 4 (2) – the competent authorities – making, approving and collecting noise maps and action plans;
- Article 5 (4) – relevant limit values in force

Lden and Lnight

Road-traffic noise

Rail-traffic noise

Aircraft noise

Lday and Levening

Noise from industrial
sites



- Article 7(1) – objects under the END

	2005	2008
major roads	6 million veh/year	3 million veh/year
major railways	60 000 trains/year	30 000 trains/year
major airports	50 000 movts/year	50 000 movts/year
agglomerations	250 000 inhab.	100 000 inhab.

Article 10 (2)

The information from strategic noise maps and summaries of the action plans as referred to in Annex VI

	2007/2008	2012/2013
major roads	6 million veh/year	3 million veh/year
major railways	60 000 trains/year	30 000 trains/year
major airports	50 000 movts/year	50 000 movts/year
agglomerations	250 000 inhab.	100 000 inhab.

DATA TO BE SENT TO THE COMMISSION



1. A description of the agglomeration: location, size, number of inhabitants.
2. The responsible authority.
3. Noise-control programs that have been carried out in the past and noise-measures in place.
4. The computation or measurement methods that have been used.



DATA TO BE SENT TO THE COMMISSION



5. The estimated number of people living in dwellings that are exposed to each of the following bands of values of

Lden:

55-59, 60-64, 65-69, 70-74, > 75; and of

Lnight:

50-54, 55-59, 60-64, 65-69, 70-74, > 75, in dB,

at 4 m above the ground on the most exposed façade: **separately** for noise from road, rail and air traffic, and from industrial sources.

DATA TO BE SENT TO THE COMMISSION



- where such information **is available**, how many persons in the above categories live in dwellings that have:
 - special insulation against the noise;
 - a quiet façade, is more than 20 dB lower than at the façade having the highest value of L_{den} and L_{night} .

Data flow	Summary description of information to be reported	Legally binding deadline	Updates by MS	END provision
DF0	Definition of reporting structure	-	-	-
DF1_5	Major roads, major railways, major airports and agglomerations designated by the MS	First legally binding deadline: 30 June 2005 (1 st implementation step) Second legally binding deadline: 30 December 2008 (2 nd implementation step)	Mandatory every 5 years for DF1 (suggested for DF5)	Art 7-1 Art 7-2 Art 7-5
DF2	Competent bodies for strategic noise maps, action plans and data collection	18 July 2005	Possible at any time	Art. 4-2
DF3	Noise limit values in force or planned and associated information	18 July 2005	Possible at any time	Art. 5-4
DF4_8	Strategic noise maps related data as listed in annex VI for major roads, railways, airports and agglomerations .	First legally binding deadline: 30 December 2007 (1 st implementation step) Second legally binding deadline: 30 December 2012 (2 nd implementation step)	Mandatory every 5 years	Art 7-1 Art. 7-2 Art. 7-5 Art. 10-2 Annex VI
DF6_9	Noise control programmes that have been carried out in the past and noise-measures in place	First legally binding deadline: 18 January 2009 (1 st implementation step) Second legally binding deadline: 18 January 2014 (2 nd implementation step)	No updates	Art. 10-2 Annex VI 1.3 & 2.3
DF7_10	Action plans related data as listed in annex VI for major roads, railways, airports and agglomerations and any criteria used in drawing up action plans	First legally binding deadline: 18 January 2009 (1 st implementation step) Second legally binding deadline: 18 January 2014 (2 nd implementation step)	Mandatory every 5 years	Art. 8-1/Art. 8-2 Art. 8-5/ Art. 10-2/Art. 10-5 Annex VI

DATA FLOWS



- Under the END several dataflows have to be reported.
- Noise exposure data as reported in accordance with the END has been collated by European Environmental Agency (EEA).
- The EEA developed an electronic reporting mechanism (ENDRM), harmonised with the EEA reporting system.





DATA FLOWS

Official paper
to EC with the
data to be
reported

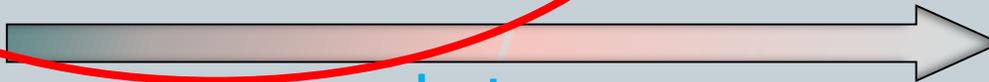
mandatory



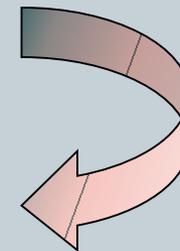
European
Commission

DG Environment

voluntary



EIONET



NOISE

Member
States



ENDRM



- ENDRM – DG ENV and EEA
 - finalized in October 2007;
 - updated in 2011;
- A handbook for delivery of data in accordance with Directive 2002/49/EC;
- Templates – Excel sheets and Word documents.
- Reporting platform – Reportnet



ADVANTAGES



- Standardized format to report the data;
- Data Dictionary – download the templates;
- Automatic QC immediate preliminary feedback to the reporters:
 - **WARNING: COULD BE wrong**
 - **ERROR: This IS wrong**
 - **OK - the test was passed successfully.**
- Reportnet allows for an adequate control of the data delivered.

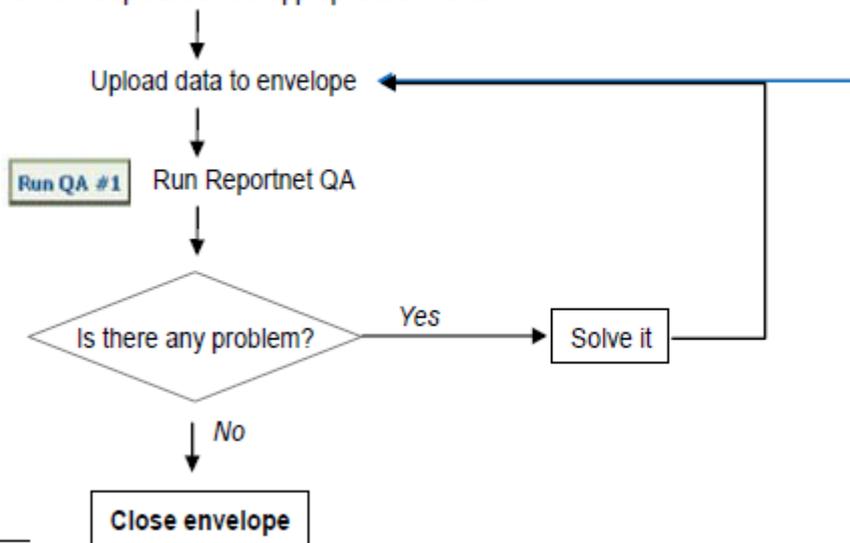
<http://cdr.eionet.europa.eu/>

Data Reporter

Envelope is **draft** and it is possible for the Member State to modify the data.

Data are **not** considered as **official submission** yet.

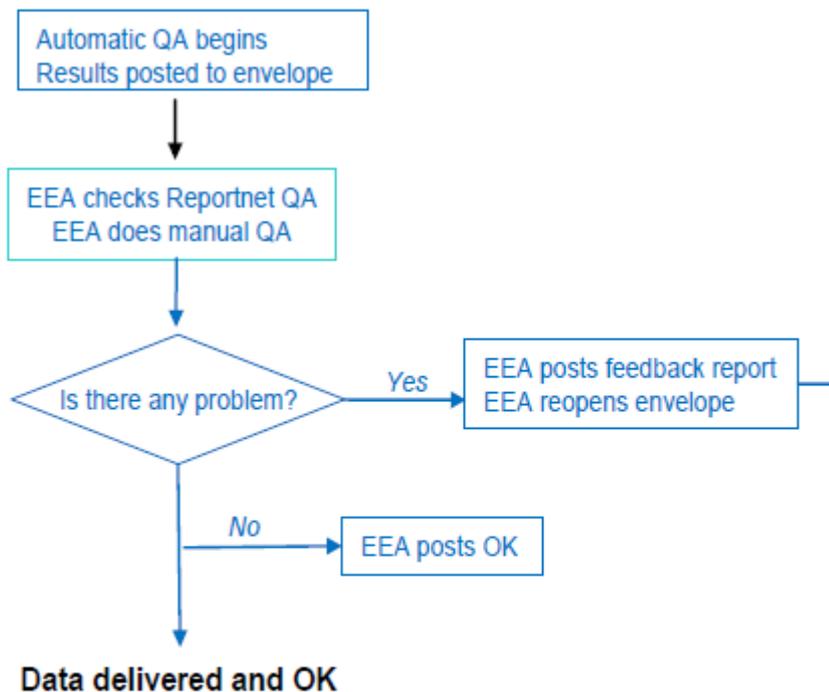
Open a new envelope under the appropriate DF folder



EEA

Envelope is **closed** and it is not possible for the Member State to modify the data.

Data is considered as **officially submitted**.



EIONET FORUM

NRC Noise

SERVICES TOOLS TOPICS (ETCS) HELPDESK

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FinalNoiseGuidelines_ENDRMv2_2012

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Submit:

Type	Title	Restrictions	Owner	Modification date
	1 ENDRM AnnexDF0 Rev v2.0 ↓		Nuria Blanes	13/07/2012, 07:33
	2 ENDRM AnnexDF1 5 Rev v2.0 ↓		Nuria Blanes	13/07/2012, 07:33
	3 ENDRM AnnexDF2 Rev v2.0 ↓		Nuria Blanes	13/07/2012, 07:33
	4 ENDRM AnnexDF3 Rev v2.0 ↓		Nuria Blanes	13/07/2012, 07:33
	5. ENDRM AnnexDF4 8 Rev v2.1 ↓		Nuria Blanes	13/12/2012, 12:58
	6 ENDRM AnnexDF6 9 Rev v2.0 ↓		Nuria Blanes	13/07/2012, 07:33
	7 Final ENDRM AnnexDF7 10 Rev 131002.pdf ↓		Colin Nugent	28/11/2013, 16:26
	Electronic Noise Data Reporting Mechanism 12-2012 ↓		Colin Nugent	19/12/2012, 12:08





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Issue	Noise ▾
Organisation	Any organisation ▾
	<input type="checkbox"/> Include terminated obligations

8 items found, displaying all items. 1

Reporting obligation	Legislative instrument	Report to	Deadline
Action plan summaries (DF 7 and DF 10)	Directive 2002/49/EC of the European Parliament and of the Council of 25 June 2002 relating to the assessment and management of environmental noise	DG ENV (EC)	2019-01-18
Competent bodies (DF 2)	Directive 2002/49/EC of the European Parliament and of the Council of 25 June 2002 relating to the assessment and management of environmental noise	DG ENV (EC)	2005-07-18
Definition of reporting structure (DF 0)	Directive 2002/49/EC of the European Parliament and of the Council of 25 June 2002 relating to the assessment and management of environmental noise	DG ENV (EC)	Continuous...
Limit values in force report (DF 3)	Directive 2002/49/EC of the European Parliament and of the Council of 25 June 2002 relating to the assessment and management of environmental noise	DG ENV (EC)	2005-07-18
MSFD reporting on Initial Assessments (Art. 8). Good Environmental Status (Art.9). Env. targets & associated indicators (Art.10) & related reporting on geographic areas, regional cooperation and metadata.	Directive 2008/56/EC of the European Parliament and of the Council of 17 June 2008 establishing a framework for community action in the field of marine environmental policy	DG ENV (EC)	2018-10-15
Noise control programmes (DF 6 and DF 9)	Directive 2002/49/EC of the European Parliament and of the Council of 25 June 2002 relating to the assessment and management of environmental noise	DG ENV (EC)	2014-01-18
Report on all major roads, railways, airports and agglomerations (DF1 and DF5)	Directive 2002/49/EC of the European Parliament and of the Council of 25 June 2002 relating to the assessment and management of environmental noise	DG ENV (EC)	2015-06-30
Strategic noise maps (DF 4 and DF 8)	Directive 2002/49/EC of the European Parliament and of the Council of 25 June 2002 relating to the assessment and management of environmental noise	DG ENV (EC)	2017-12-31



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- Overview
- Legislation
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Reporting obligation for: Strategic noise maps (DF 4 and DF 8)

Title	Strategic noise maps (DF 4 and DF 8)
Description	Strategic noise maps related data as listed in annex VI for major roads, railways, airports and agglomerations <ul style="list-style-type: none">• Per agglomeration ≥ 100,000 inhabitants• For overall major roads ≥ 3 millions vehicles per year• For overall major railways ≥ 30,000 trains per year• For major airports ≥ 50,000 air traffic movements per year
Legislative instrument title	Environmental noise directive

Reporting dates and guidelines

National reporting coordinators	
National reporting contacts	
Reporting frequency	Every 60 months
Next report due	31/12/2017
Date comments	
Report to	European Commission, Directorate General Environment
Other clients using this reporting	European Environment Agency
Reporting guidelines	ENDRM Guidelines 2012
Extra information	
Principle repository	Reportnet central data repository (CDR)
Data used for	Noise Observation and Information Service for Europe (NOISE)
Type of information reported	Data, State of the environment

ET Data Repository

REPORTNET TOOLS TOPICS (ETCS)

eionet» CDR» Bulgaria» European Union (EU) ...» Environmental Noise ...

Overview

Environmental Noise Directive

Envelopes and subcollections

-  [Noise Directive \(DF 1 and DF 5\) Report on all major roads, railways, airports and agglomerations](#) 07 May 2015
-  [Noise Directive \(DF 4 and DF 8\) Strategic noise maps](#) 08 Sep 2014
-  [Noise Directive \(DF 6 and DF 9\) Noise control programmes](#) 08 Sep 2014
-  [Noise Directive \(DF 7 and DF 10\) Action plan summaries](#) 15 Jun 2015
-  [Noise Directive DF0: Definition of reporting structure](#) 08 Sep 2014
-  [Noise Directive DF1: Report on major roads, railways, airports and agglomerations](#) 08 Sep 2014
-  [Noise Directive DF2: Competent bodies](#) 08 Sep 2014
-  [Noise Directive DF3: Limit values in force report](#) 08 Sep 2014
-  [Noise Directive DF4: Strategic noise maps report 1](#) 16 Jun 2014
-  [Noise directive DF6: Noise control programmes that have been carried out in the past and noise-measures in place](#) 16 Jun 2014
-  [Noise directive DF7: Action plan summaries 1](#) 16 Jun 2014

Noise Directive (DF4 and DF8) 2012 Update

Description Strategic noise maps related data for all agglomerations with more than 100 000 inhab. (including Stara Zagora)

Obligations [Strategic noise maps \(DF 4 and DF 8\)](#)

Period 2013 - Whole Year

Coverage Bulgaria

Reported 10 Jul 2014 16:19

Status Task(s) waiting to be assigned: **Manual QA**

Note

If you want to stay updated about events in this envelope [Subscribe to receive notifications](#) for this country and the current dataflow(s).

Files in this envelope

1	BG a DF4 8 2012 Update.xls	<i>Excel file - converted into an XML delivery</i>	26 Jun 2014	92.0 KB
2	BG a DF4 8 2012 Update agg metadata.doc		24 Jun 2014	42.5 KB
3	BG a DF4 8 2012 Update DF4 8 Agg Air.xml	<i>Converted from - BG_a_DF4_8_2012_Update_140626.xls</i>	26 Jun 2014	45.7 KB
4	BG a DF4 8 2012 Update DF4 8 Agg Air Major.xml	<i>Converted from - BG_a_DF4_8_2012_Update_140626.xls</i>	26 Jun 2014	20.0 KB
5	BG a DF4 8 2012 Update DF4 8 Agg ALL.xml	<i>Converted from - BG_a_DF4_8_2012_Update_140626.xls</i>	26 Jun 2014	5.33 KB
6	BG a DF4 8 2012 Update DF4 8 Agg Ind.xml	<i>Converted from - BG_a_DF4_8_2012_Update_140626.xls</i>	26 Jun 2014	20.5 KB
7	BG a DF4 8 2012 Update DF4 8 Agg Rail.xml	<i>Converted from - BG_a_DF4_8_2012_Update_140626.xls</i>	26 Jun 2014	45.8 KB
8	BG a DF4 8 2012 Update DF4 8 Agg Road.xml	<i>Converted from - BG_a_DF4_8_2012_Update_140626.xls</i>	26 Jun 2014	46.3 KB
9	BG a DF4 8 2012 Update En supplementary.doc		10 Jul 2014	48.0 KB

/webForm

DF 7 and DF 10)

New Action Plan

Edit Action Plan

in report

o experience

bly converted where relevant in Lden, Lday, Levening, Lnight as defined by Annex I of the Directive 2002/49/EC)

se mapping (problems, situations that need to be improved)

olic consultations organized in relation to this noise action plan

ent actions, including measures to preserve quiet areas (and related budget and targets) envisaged

aged for evaluating the implementation and results of the noise action plan

tion plan

ancel



- **MANDATORY**

Send all information according to the *ANNEX VI Data to be sent to the commission* by the country's Permanent Representation to the Secretariat general of the Commission.

- **VOLANTARY**

Report the information through the Reportnet and send a letter of confirmation by the country's Permanent Representation to the Secretariat general of the Commission stating that the upload to Reportnet has taken place.

NOISE



- Noise exposure data is available at the Noise Observation and Information Service for Europe (NOISE). This is the EEA's interactive data base and map viewer dedicated to illustrating exposure to noise across Europe.

<http://noise.eionet.europa.eu/>



(Noise Observation and Information Service for Europe)



European Environment Agency
 Information and Information Service for Europe

Noise Sources

Noise Exposure

- Location of Noise Data Sources
 - Within Agglomerations
 - Major Airports
 - Major Railways
 - Major Roads
 - Lden
 - ≥ 55dB
 - ≥ 65dB
- Total
 - Relative (People/km)
 - ≥ 75dB

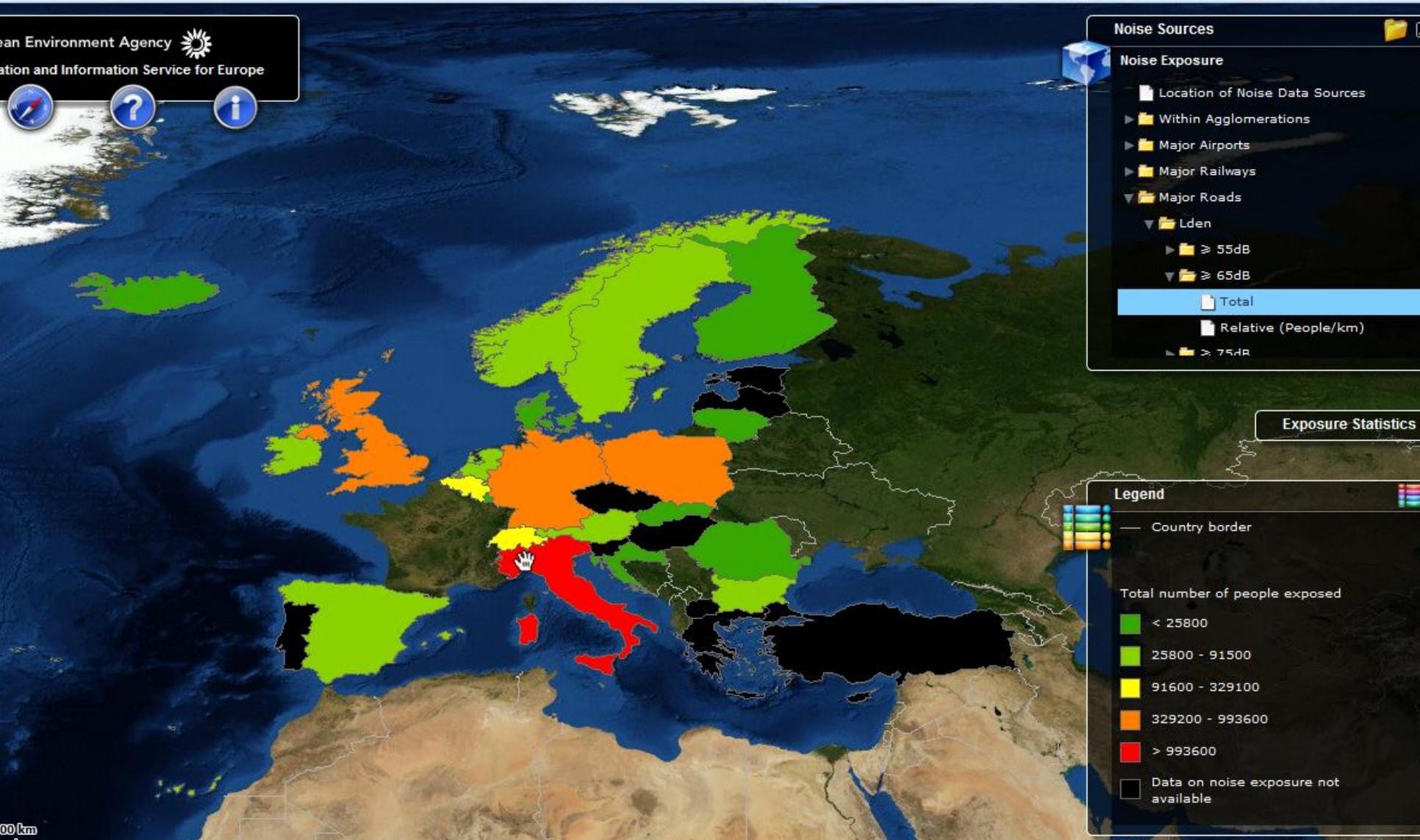
Exposure Statistics

Legend

- Country border

Total number of people exposed

- < 25800
- 25800 - 91500
- 91600 - 329100
- 329200 - 993600
- > 993600
- Data on noise exposure not available



1000 km
 1000 mi

Noise exposure data 2012 Europe

European Environment Agency 
Noise Observation and Information Service for Europe

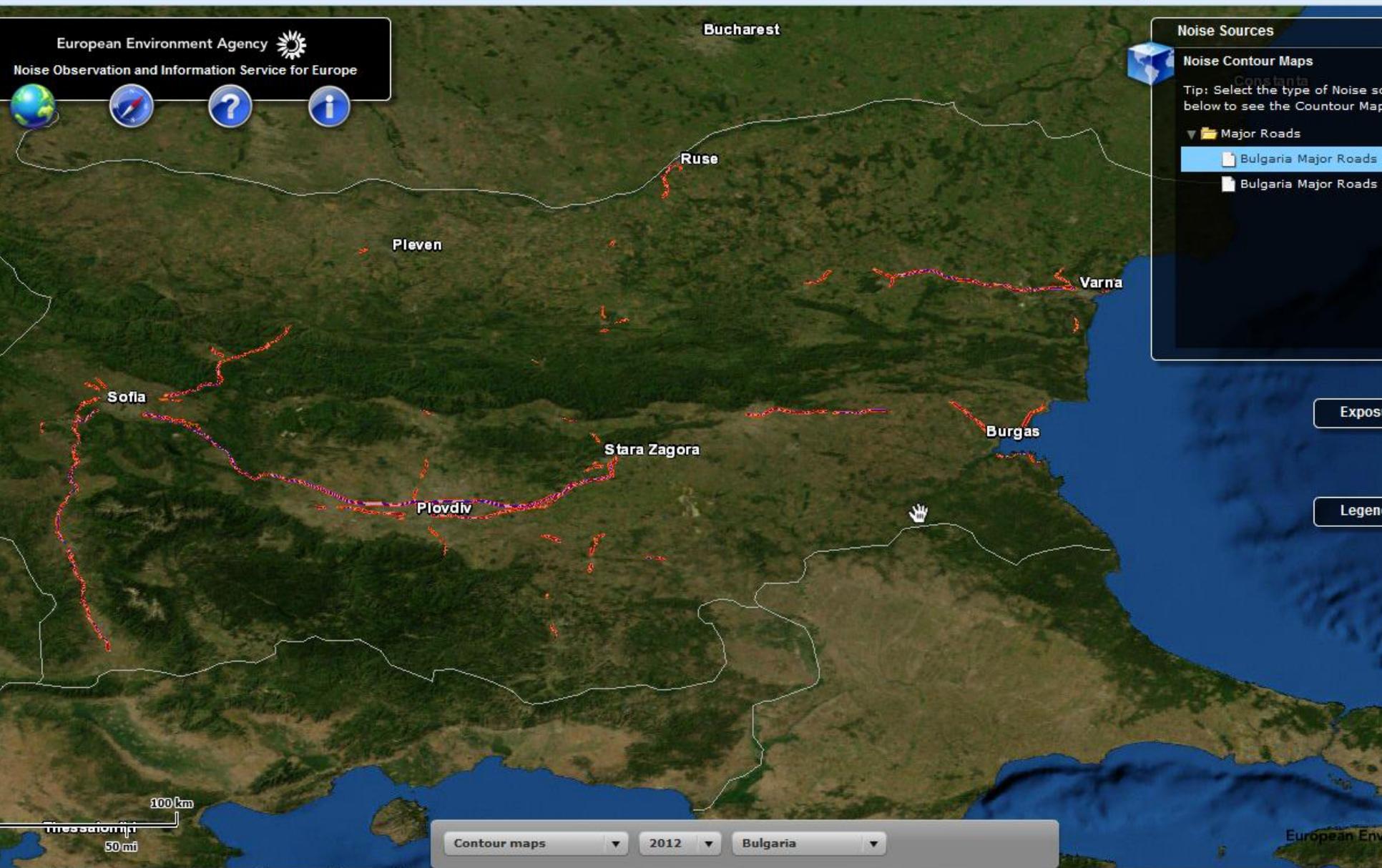
Noise Sources

Noise Contour Maps

Tip: Select the type of Noise source below to see the Contour Map

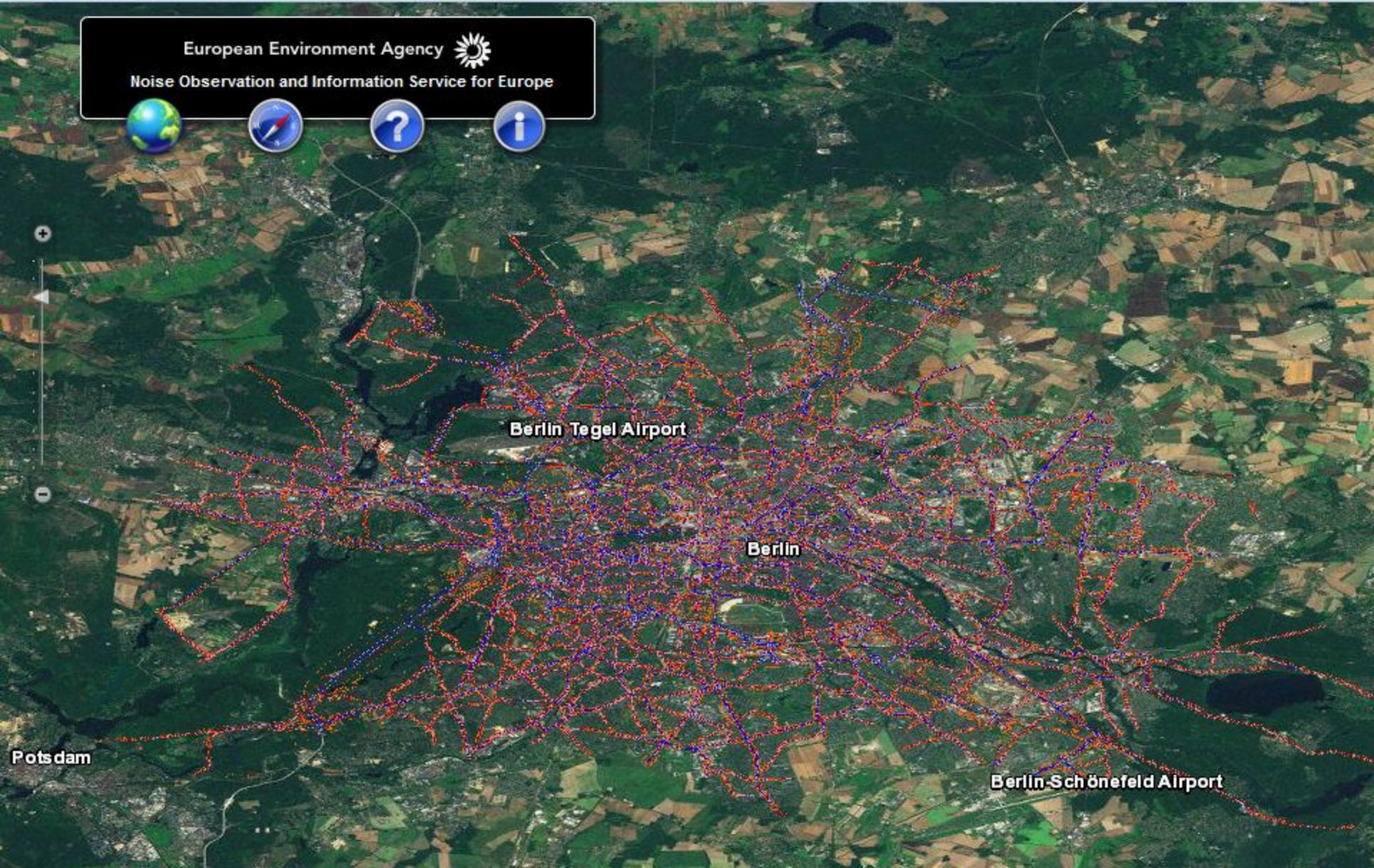
▼ Major Roads

- Bulgaria Major Roads
- Bulgaria Major Roads



Contour maps ▾ 2012 ▾ Bulgaria ▾

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Belfast International Airport



- THANK YOU FOR THE ATTENTION