

Public Consultation to support the Fitness Check of the EU Ambient Air Quality Directives

A Eurelectric response paper

Eurelectric represents the interests of the electricity industry in Europe. Our work covers all major issues affecting our sector. Our members represent the electricity industry in over 30 European countries.

We cover the entire industry from electricity generation and markets to distribution networks and customer issues. We also have affiliates active on several other continents and business associates from a wide variety of sectors with a direct interest in the electricity industry.

We stand for

The vision of the European power sector is to enable and sustain:

- A vibrant competitive European economy, reliably powered by clean, carbon-neutral energy
- A smart, energy efficient and truly sustainable society for all citizens of Europe

We are committed to lead a cost-effective energy transition by:

investing in clean power generation and transition-enabling solutions, to reduce emissions and actively pursue efforts to become carbon-neutral well before mid-century, taking into account different starting points and commercial availability of key transition technologies;

transforming the energy system to make it more responsive, resilient and efficient. This includes increased use of renewable energy, digitalisation, demand side response and reinforcement of grids so they can function as platforms and enablers for customers, cities and communities;

accelerating the energy transition in other economic sectors by offering competitive electricity as a transformation tool for transport, heating and industry;

embedding sustainability in all parts of our value chain and take measures to support the transformation of existing assets towards a zero carbon society;

innovating to discover the cutting-edge business models and develop the breakthrough technologies that are indispensable to allow our industry to lead this transition.

Dépôt légal: D/2018/12.105/30

WG Environmental Protection

Contact:
Hélène LAVRAY, Senior Advisor Renewables & Environment,
hlavray@eurelectric.org

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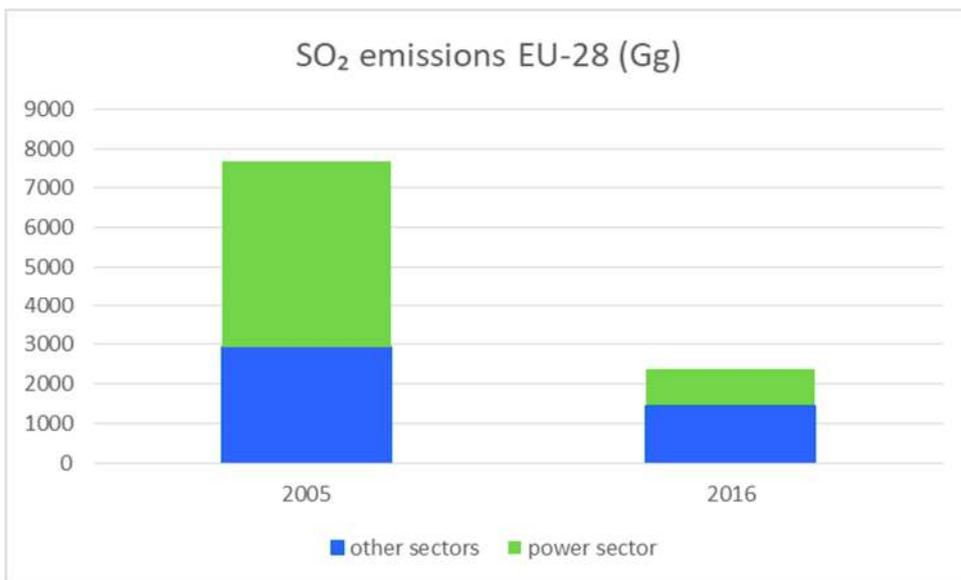
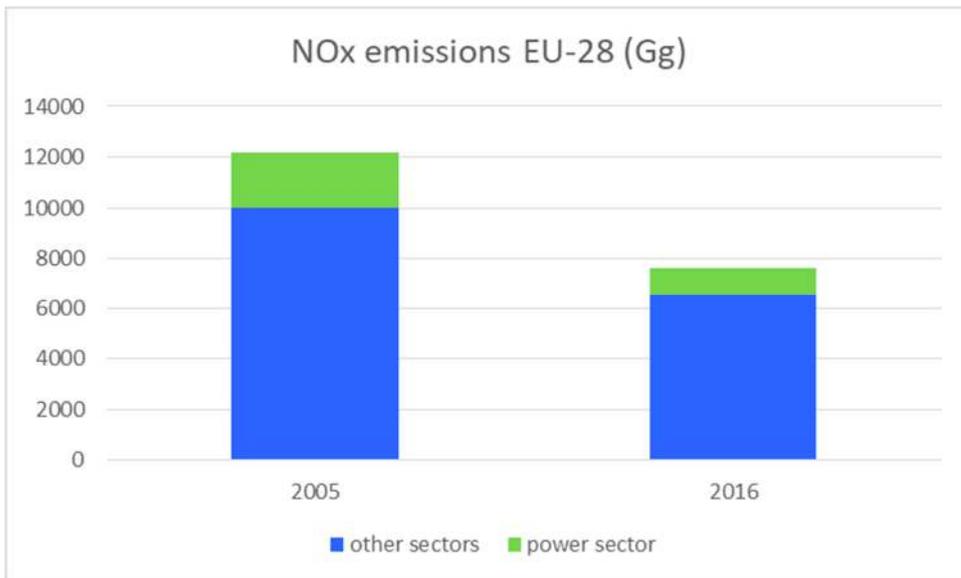
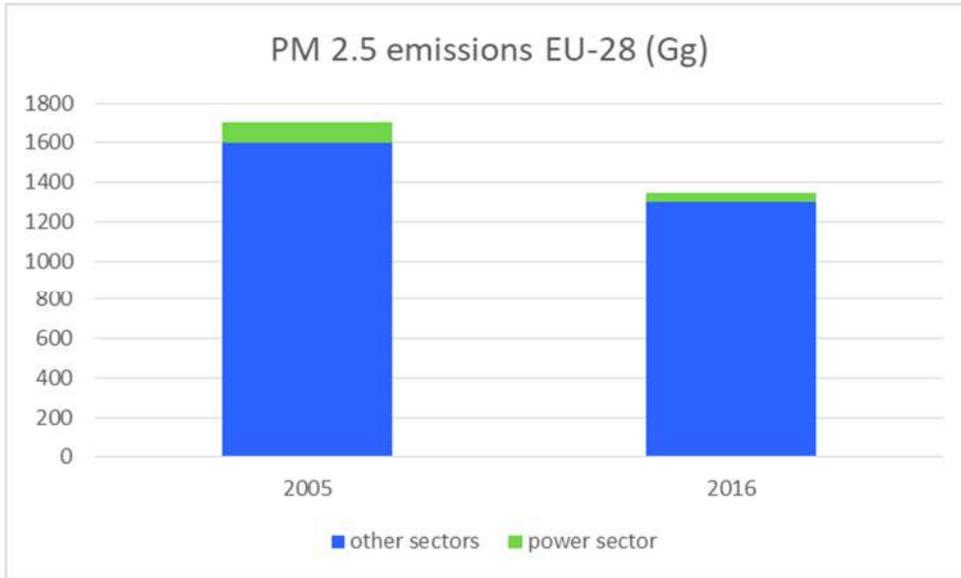
July 2018

How is the European electricity sector contributing to the improvement of air quality?

Emissions from the power sector

Air quality is identified as an urban challenge. Fine particles (PM_{2.5}) are considered as posing the greatest health risks. They can be emitted directly from combustion (from residential heating, transport or industry) or form in the atmosphere from other pollutants (SO₂, NO_x, NH₃ and VOCs) combining emissions from transport, agriculture and industry.

The power sector has, over the last decades, undertaken drastic efforts to reduce both its CO₂ and its non-CO₂ emissions and significantly limit its air pollution. Between 2005 and 2016, emissions of SO₂ and NO_x by the electricity industry fell by 80% and 50% respectively, while direct emissions of PM_{2.5} were reduced by 58% (source: EEA). These impressive reductions took place while electricity generation remained stable over the same period. Over the next decade, recently agreed source-specific European legislation for the energy sector (namely the ongoing implementation of the Best Available Techniques Reference Document for Large Combustion Plants (BREF LCP) and the Medium Combustion Plant (MCP) Directive) will lead to further significant emission reductions. Our sector intends to continue to pursue and even accelerate this contribution to improving air quality across Europe : the power sector is committed to accelerate the clean energy transition and to achieve carbon-neutral electricity mix in the EU well before mid-century. Therefore, additional emission reductions are expected in the next 15 years and beyond, driven by the implementation of the climate and energy policy, the continued desire to invest in carbon-free generation by European utilities and the industrial emissions/air quality framework.



Source: EEA

Electrification of end use sectors (transport, heating & cooling)

The concept of electrification refers to the idea of broadening the use of electricity to satisfy an increasing proportion of final energy demand of a system. It is about replacing fossil fuel reliant systems with low carbon electricity to meet the energy needs of sectors whose energy needs are currently only marginally satisfied by electricity. In doing so, [these sectors are able to access significant improvements in efficiency, emissions of CO₂ and of air pollutants](#).

Air pollution in Europe's urban centres and associated health risks will be significantly reduced if conventional vehicles and heating systems are replaced by electrified systems. Electrification of road transport, specifically in large cities and densely populated areas, means eliminating air pollutant emissions at source where they are most harmful. Similarly, European cities could see a significant improvement in air quality levels as a direct consequence of the electrification of heating. Transport and residential and commercial heating systems are responsible for a sizeable share of PM 2.5, NO_x, and SO₂ emissions in urban settlements. These directly affect the human respiratory system leading to the development and exacerbation underlying medical conditions such as asthma. Electricity-based heating technologies such as heat pumps and smart electronic boilers produce zero emissions at source. Consequently, with increasing levels of electrification of heating in urban centres, an improvement of air quality would be observed.

In order to leverage the benefits of electrification it is important to adopt an enabling regulatory framework. In particular, Eurelectric wants to emphasize the need for an ambitious clean mobility policy (see [Eurelectric position paper on the Clean Mobility Package](#)): the recently proposed CO₂ emissions standards for cars and vans must reflect the necessary ambition to put Europe on track for the decarbonisation and electrification of the transport sector. We welcome the additional available funding announced in the Alternative Fuels Action Plan, as well as the clear messages on standardisation, interoperability and application of technologies which enable smart charging at large scale.

Eurelectric also wants to draw attention to its recent [response paper to the evaluation of the EU framework for taxation of energy products & electricity](#), in particular as far as heating systems in urban areas are concerned: the level of taxes applied to electricity should be minimised as it endangers electrification as a fundamental tool for decarbonisation, by artificially increasing the electricity prices and making other forms of energy more competitive. To this aim, upper level of taxes should be at the minimum value possible.

Coherence between policies and better implementation

Eurelectric fully understands the need for and supports an ambitious air quality policy in Europe. We support coherence with the EU's 2030 energy and climate policy and its implementation timeline to achieve better air quality in a cost-effective approach.

In a context where many Member States are struggling and sometimes failing to respect the requirements of the Ambient Air Quality Directives, we would like to highlight the need for a consistent and ambitious approach to air quality between the different governance levels in Member States.

Electrification offers reliable solutions to air quality problems from the transport and residential sectors, most notably in urban areas, but, in order to effectively deploy them, investors need certainty that the air quality regulatory framework will be implemented.

Public Consultation to inform the Fitness Check of the EU Ambient Air Quality Directives (2008/50/EC, 2004/107/EC)

Fields marked with * are mandatory.

1 Introduction

This public consultation is part of the fitness check of the EU Ambient Air Quality Directives (2008/50/EC, 2004/107/EC) undertaken by the European Commission. These Directives establish criteria on how to monitor and assess air quality, require public information, set air quality standards and mandate action where these standards are not met. This consultation aims to solicit views on whether they do so in a relevant, effective, efficient, coherent manner with clear value added by EU legislation.

This consultation aims to collect views from stakeholders on:

- the level of awareness of air quality challenges in general and knowledge of the Ambient Air Quality Directives' provisions in particular;
- whether and how the Ambient Air Quality Directives have contributed to improved air quality in Europe;
- whether the provisions of the Ambient Air Quality Directives continue to be relevant, effective, efficient and coherent with other EU and national policies, as well as what their EU value-added is.

Your responses, along with those from other citizens and stakeholders, will be taken into account in the evaluation. It is therefore important that you complete this questionnaire as fully as possible. Responses can be provided in any EU official language. Some questions require more in-depth knowledge of the Directive's provisions (e.g. from question 5.1 onwards) and you are welcome to answer only some of the questions included, depending on how familiar you are with the topic.

It should take about 20 minutes to complete this questionnaire and you may pause the questionnaire at any time and continue later. Once you have submitted your answers, a copy of your completed responses can be downloaded. It will be available online for twelve weeks starting from 2018-05-08 and closing on 2018-07-31

2 Background

Air quality has improved across Europe over the past decades, as emissions of many pollutants have successfully been curbed. Nevertheless, significant compliance gaps for some key pollutants still exist – the most noteworthy exceedances being for particulate matter, nitrogen dioxide and, to some extent, the ozone target values.

This fitness check is looking at the performance of the two complementary EU Ambient Air Quality (AAQ) Directives (Directives 2008/50/EC and 2004/107/EC). These Directives set air quality standards and requirements to ensure that Member States adequately monitor and/or assess air quality on their territory, in a harmonised and comparable manner. It is also considering the corresponding Implementing Decision 2011/850/EC and Commission Directive EU/2015/1480.

The fitness check complements and builds on the extensive analysis developed as part of the 2013 air policy review (COM (2013) 918) which informed the Clean Air Programme for Europe and the revised national emission reduction targets established under Directive 2016/2284/EU.

The findings of the fitness check will be used to inform further reflections on whether the AAQ Directives are fit for purpose and continue to provide the appropriate legislative framework to ensure protection from adverse impacts on, and risks to, human health and the environment.

Your responses will be used exclusively to help the European Commission assess the EU legislation on Ambient Air Quality. Please note the specific privacy statement linked to this consultation and available on the consultation website.

3 Personal Information

Throughout this questionnaire, a red asterisk * denotes a question that requires an answer before the consultation response can be submitted.

*** 3.1 Please select the statement that best applies to you**

- You are an interested citizen or representative of an organisation with only a general interest in the Ambient Air Quality Directives
- You have specific knowledge about, and an interest in, the Ambient Air Quality Directives or Air Quality monitoring and assessment

*** 3.2 How would you prefer your consultation response to be published?**

- In full - **you consent to us publishing any information in your completed form, including your identity (your name / the name of your organisation; your e-mail will not be published)**
- Anonymously - **you consent to us publishing any information in your completed form – apart from your name / the name of your organisation and your email**

Respondents should not include personal data in documents submitted in the context of the consultation if they opt for anonymous publication. Please note: regardless of the option chosen, your contribution may be subject to a request for access to documents under Regulation 1049/2001 on

public access to European Parliament, Council and Commission documents. In such cases, the request will be assessed against the conditions set out in the Regulation and in accordance with applicable data protection rules.

3.3 Please provide your email address in case further details on the submitted information are required

hlavray@eurelectric.org

*** 3.4 In what capacity are you replying to this questionnaire?**

- As an individual in a personal capacity
- As an individual in a professional capacity
- On behalf of an organisation or institution

*** 3.5 Is your organisation registered in the EU Transparency Register?**

If your organisation is not registered, you have the opportunity to [register now](#).

- Yes
- No
- I don't know

In the interests of transparency; organisations, networks, platforms or self-employed individuals engaged in activities aimed at influencing the EU decision making process have been invited to provide the public with relevant information about themselves, by registering in the Transparency Register and subscribing to its Code of Conduct.

Please note: If an organisation is not registered, its submission will be published separately from those which are. During the analysis of replies to this consultation, contributions from respondents who choose not to register will be treated as individual contributions (unless the contributors are recognised as representative stakeholders through Treaty provisions, European Social Dialogue, Art. 154-155 TFEU).

3.6 Please provide your EU Transparency Register ID number

427-1427696-87

3.7 Please provide your full name

Helene Lavray

3.8 Please provide the name of the organisation which you represent

Eurelectric

*** 3.9 Please specify in which country you reside, or - if you are a business or an organisation - in which you are established.**

- Austria

- Belgium
- Bulgaria
- Croatia
- Cyprus
- Czech Republic
- Denmark
- Estonia
- Finland
- France
- Germany
- Greece
- Hungary
- Ireland
- Italy
- Latvia
- Lithuania
- Luxembourg
- Malta
- Netherlands
- Poland
- Portugal
- Romania
- Slovak Republic
- Slovenia
- Spain
- Sweden
- United Kingdom
- Other

*3.11

If you represent a business or an organisation that is established in a country other than that in which you operate, please specify in which countries you operate.

- Austria
- Belgium
- Bulgaria
- Croatia
- Cyprus
- Czech Republic
- Denmark
- Estonia
- Finland
- France
- Germany
- Greece
- Hungary
-

- Ireland
- Italy
- Latvia
- Lithuania
- Luxembourg
- Malta
- Netherlands
- Poland
- Portugal
- Romania
- Slovak Republic
- Slovenia
- Spain
- Sweden
- United Kingdom
- Other

3.12 Please specify.

Iceland, Norway, Switzerland, Turkey

* 3.13 Please specify which sector you represent

- A - Agriculture, Forestry and Fishing
- B - Mining and Quarrying
- C - Manufacturing
- D - Electricity, Gas, Steam and Air Conditioning Supply
- E - Water Supply; Sewerage, Waste Management and Remediation Activities
- F - Construction
- G - Wholesale and Retail Trade; Repair of Motor Vehicles and Motorcycles
- H - Transportation and Storage
- I - Accommodation and Food Service Activities
- J - Information and Communication
- K - Financial and Insurance Activities
- L - Real Estate Activities
- M - Professional, Scientific and Technical Activities
- N - Administrative and Support Service Activities
- O - Public Administration and Defence; Compulsory Social Security
- P - Education
- Q - Human Health and Social Work Activities
- R - Arts, Entertainment and Recreation
- S - Other Service Activities
- T - Activities of Households as Employers; Undifferentiated Goods- and Services-Producing Activities of Households for Own Use
- U - Activities of Extraterritorial Organisations and Bodies

4 General awareness of air quality issues and directives

This section of the questionnaire seeks to gather information on the general level of knowledge of air quality in Europe and its evolution over time. It seeks to gather information about knowledge of the effects of air quality on people and the environment, as well as knowledge of related EU air policy in broad terms.

This section does not require an in-depth knowledge of the ambient air quality directives.

4.1 To what extent do you agree or disagree with the following statements?

	Completely agree	Somewhat agree	Neither disagree nor agree	Somewhat disagree	Completely disagree	I don't know
I feel sufficiently informed about air quality in the area where I live	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Air quality has improved in the last decade in the area where I live	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Poor air quality is an issue of concern in Europe	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Poor air quality is an issue of concern in my country	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Poor air quality is an issue of concern where I live	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

4.2 To what extent do you agree or disagree with the following statements about poor air quality?

	Completely agree	Somewhat agree	Neither disagree nor agree	Somewhat disagree	Completely disagree	I don't know
It has a negative impact on my health or the health of those around me	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
It has negative impacts on the wellbeing of the population in my country	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
It has negative impacts on the health of the overall population in the EU	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
It has negative impacts on the environment	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

4.3 How well informed are you about the following initiatives?

	Very well informed	Moderately informed	Somewhat informed	Little informed	Not at all informed
EU Clean Air policies	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
EU Ambient Air Quality Directives	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
National-level air quality policy and plans	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Local and/or regional-level air quality plans	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

4.4 Which level of government is the most appropriate to address air quality problems?

between 1 and 4 choices

- EU level authorities
- National level authorities
- Regional level authorities
- Local authorities
- I don't know

4.5 To what extent has EU policy and legislation on air quality helped to ...

	To a very large extent	To a large extent	Somewhat	Very little	Not at all	I don't know
... improve air quality across Europe?	<input checked="" type="radio"/>	<input type="radio"/>				
... ensure consistent rules across Europe on the maximum levels of air pollution citizens are exposed to?	<input checked="" type="radio"/>	<input type="radio"/>				
... provide for consistent rules across Europe on how to monitor air pollution levels?	<input checked="" type="radio"/>	<input type="radio"/>				
... ensure citizens are provided with comparable information on air pollution levels?	<input checked="" type="radio"/>	<input type="radio"/>				

4.6 To what extent do you agree that, without EU Policy and Legislation, air quality would be worse...

	Completely agree	Somewhat agree	Neither disagree nor agree	Somewhat disagree	Completely disagree	I don't know
... in Europe?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
... in my country?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
... in my city or region?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

5 Views on the functioning of the Ambient Air Quality (AAQ) Directives

This section of the questionnaire focuses on gathering more in-depth views about the functioning of the Ambient Air Quality Directives. The questions are structured around the 5 evaluation criteria: relevance, effectiveness, efficiency, coherence and EU value added.

In relation to **relevance**, the questions seek to establish citizen and stakeholder views on the extent to which the AAQ Directives set appropriate objectives, address the most pressing air pollutants and set meaningful air quality standards to protect human health and ecosystems in accordance with the evolving scientific understanding.

In terms of **effectiveness**, the questions seek to gather views as to the degree to which the AAQ Directives have acted as an incentive to implement effective and cost-effective measures to improve air quality, and thus reduce the adverse impacts of air pollution. They also seek to gather evidence as to the extent to which factors influencing the observed achievements in air quality can be linked to the EU intervention (the Directives).

In terms of **efficiency**, the questions seek to gather views on the benefits of improved air quality, the costs associated with implementing the provisions of the Directives, the necessary abatement measures to meet its objectives and whether there have been significant differences in costs (or benefits) between Member States and, if so, what is causing them.

In terms of **coherence**, the questionnaire seeks to gather views on the extent to which the Directives are coherent internally (i.e. within each Directive), between each other, as well as with the overarching EU air quality policy approach (including with the national emission limits via Directive 2016/2284 and emission standards established for key pollution sources), other EU legislation (e.g. on transport, energy, agriculture or nature protection) and international commitments.

In terms of **EU value added**, the questions seek to gather views on the degree to which common EU air quality standards and comparable monitoring, reporting and assessment regimes have enabled Member States to take successful action to improve beyond what would have been possible without EU action. Further, the questions seek to gather views on whether the current distribution of responsibilities between EU, Member States, regional and local levels is a useful one.

6 Relevance

In relation to **relevance**, the questions seek to establish citizen and stakeholder views on the extent to which the AAQ Directives set appropriate objectives, address the most pressing air pollutants and set meaningful air quality standards to protect human health and ecosystems in accordance with the evolving scientific understanding.

6.1 To what extent does air pollution pose a concern to public health and the environment?

	To a very large extent	To a large extent	Somewhat	Very little	Not at all	No opinion

Public Health	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Environment	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

6.2 In your opinion, to what extent are the following provisions of the Ambient Air Quality Directives important in delivering air quality improvements?

	Very important	Important	Moderately important	Of little importance	Of no importance	No opinion
Defining and establishing objectives and common EU standards for ambient air quality	<input checked="" type="radio"/>	<input type="radio"/>				
Assessing air quality on the basis of common measurement and monitoring methods and criteria	<input checked="" type="radio"/>	<input type="radio"/>				
Obtaining accurate information on air quality	<input checked="" type="radio"/>	<input type="radio"/>				
Ensuring that information on air quality is made available to the public	<input checked="" type="radio"/>	<input type="radio"/>				
Maintaining air quality where it is good and improving it in other cases	<input checked="" type="radio"/>	<input type="radio"/>				
Promoting increased cooperation between Member States to reduce air pollution	<input checked="" type="radio"/>	<input type="radio"/>				

6.3 To what extent do you agree that it is important that the Ambient Air Quality Directives address the following pollutants?

	Completely agree	Somewhat agree	Neither disagree nor agree	Somewhat disagree	Completely disagree	I don't know
Particulate matter (PM10)	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fine particulate matter (PM2.5)	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Nitrogen dioxide (NO2)	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sulphur dioxide (SO2)	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ozone (O3)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Carbon monoxide (CO)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Benzene (C6H6)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Lead (Pb)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Arsenic (As)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Cadmium (Cd)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Nickel (Ni)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Polycyclic aromatic hydrocarbons, including Benzo(a)Pyrene (BaP)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

6.4 Which pollutants currently not addressed by the Ambient Air Quality Directives would you suggest be included within their scope and why?

300 character(s) maximum

6.5 What is your view on the level of the air quality standards set in the Ambient Air Quality Directives and why?

- Far too strict
- Somewhat too strict
- Appropriate level
- Somewhat too lenient
- Far too lenient
- I don't know

6.6 What is your view about the level of the ambient air quality standards set in the Ambient Air Quality Directives for the following pollutants?

	Far too strict	Somewhat too strict	Appropriate level	Somewhat too lenient	Far too lenient	I don't know
Particulate matter (PM10)	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fine particulate matter (PM2.5)	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Nitrogen dioxide (NO2)	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sulphur dioxide (SO2)	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ozone (O3)	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Carbon monoxide (CO)	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Benzene (C6H6)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Lead (Pb)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Arsenic (As)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Cadmium (Cd)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Nickel (Ni)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Polycyclic aromatic hydrocarbons, including Benzo(a) Pyrene (BaP)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

6.7 To what extent have the Ambient Air Quality Directives been flexible to adapt to new circumstances as regards...

	To a very great extent	To a great extent	Somewhat	Very little	Not at all	No opinion
... advances in scientific knowledge?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
... advances in technical capacities?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

7 Effectiveness

In terms of **effectiveness**, the questions seek to gather views as to the degree to which the AAQ Directives have acted as an incentive to implement effective and cost-effective measures to improve air quality, and thus reduce the adverse impacts of air pollution. They also seek to gather evidence as to the extent to which factors influencing the observed achievements in air quality can be linked to the EU intervention (the Directives).

7.1 To what extent have the Ambient Air Quality Directives been effective in achieving the following outputs?

	Completely agree	Somewhat agree	Neither disagree nor agree	Somewhat disagree	Completely disagree	I don't know
A representative, high quality monitoring and assessment of air quality in all Member States?	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Clean air quality standards established across the European Union?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Relevant information on air quality made available across the European Union?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Coherent action taken to avoid, prevent, or reduce the effect of poor air quality?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

7.2 To what extent have the following factors related to provisions of the Directives (at EU level) contributed to better air quality in your country?

	To a very large extent	To a large extent	Somewhat	Very little	Not at all	I don't know
Ambition and stringency level of the standards established in the Ambient Air Quality Directives	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Cooperation between Member States as regards transboundary pollution	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Enforcement action by the Commission (including infringement procedures)	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

7.3 To what extent have the following factors related to provisions of the Directives (at Member State Level) contributed to better air quality in your country?

	To a very large extent	To a large extent	Somewhat	Very little	Not at all	I don't know
Effective air quality plans and/or measures	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Short-term action plans drawn up when there is a risk of exceeding an alert threshold	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Immediate steps taken when the alert thresholds are exceeded	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Coordination at the different governance levels in a Member State	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Penalties put in place by Member States	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

7.4 To what extent have the following factors external to the Directives (at Member State level) contributed to better air quality in your country?

	To a very large extent	To a large extent	Somewhat	Very little	Not at all	I don't know
Legal authority at the different governance levels in Member States	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

Access to justice via national court cases	<input type="radio"/>	<input checked="" type="radio"/>				
Availability of adequate national funding	<input type="radio"/>	<input checked="" type="radio"/>				

7.5 To what extent have the following factors external to the Directives (at EU level) contributed to better air quality in your country?

	To a very large extent	To a large extent	Somewhat	Very little	Not at all	I don't know
Adequate use of EU funding opportunities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Cooperation between the European Commission and the Member States	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Exchanges of good practices between Member States	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

7.6 To what extent do you agree with the following statements?

	Completely agree	Somewhat agree	Neither disagree nor agree	Somewhat disagree	Completely disagree	I don't know
Sufficient criteria for the monitoring and assessment of air quality are defined at the EU level	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Measurement techniques are sufficiently standardised across Member States	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
There are sufficient sampling points and measurements to assess air quality	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
There are sampling points in locations and areas representative of the highest pollutant exposure experienced by the public	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
There are sampling points in locations and areas representative of the pollutant exposure experienced by the general population	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

7.7 To what extent have the monitoring and reporting regimes under the Ambient Air Quality Directives helped deliver on...

	To a very large extent	To a large extent	Somewhat	Very little	Not at all	I don't know
... reliable and accurate air quality information across the EU?	<input checked="" type="radio"/>	<input type="radio"/>				
... comparable (e.g. through the use of standardised forms) air quality information across the EU?	<input checked="" type="radio"/>	<input type="radio"/>				
... alert information about pollution peaks being made available to the public?	<input checked="" type="radio"/>	<input type="radio"/>				

8 Efficiency

In terms of **efficiency**, the questions seek to gather views on the benefits of improved air quality, the costs associated with implementing the provisions of the Directives, the necessary abatement measures to meet its objectives and whether there have been significant differences in costs (or benefits) between Member States and, if so, what is causing them

8.1 To what extent have the Ambient Air Quality Directives led to significant benefits as regards ...

	To a very large extent	To a large extent	Somewhat	Very little	Not at all	I don't know
... protecting human health?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
... protecting the environment?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
... reducing economic costs linked to air pollution (for example, health costs, lost working days, reduced crop yields)?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
... boosting competitiveness and innovation and / or supporting the development of new EU industrial sectors?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

8.2 To what extent do you agree with the following statement?

“The following groups have benefited from the Ambient Air Quality Directive implementation:”

	Completely agree	Somewhat agree	Neither disagree nor agree	Somewhat disagree	Completely disagree	I don't know
All citizens	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Vulnerable citizens (in socio-economic terms)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Vulnerable / sensitive citizens (in health terms)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Citizens living in urban areas	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Citizens living in rural areas	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

8.3 To what extent do you agree with the following statement?

“The following sectors have benefited from the Ambient Air Quality Directive implementation:”

	Completely agree	Somewhat agree	Neither disagree nor agree	Somewhat disagree	Completely disagree	I don't know
Innovative industries (all sectors)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
SMEs (all sectors)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Transport	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Transport: Personal mobility service providers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Transport: Logistic service providers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Manufacturing industry (incl. vehicles manufacturers)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Energy providers	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Agriculture sector	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Waste sector	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Construction	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Mining and quarrying	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Healthcare sector	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Competent public authorities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Other sector(s)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

8.4 In your opinion, which five sectors have benefited the most from the implementation of the Ambient Air Quality Directives?

between 1 and 5 choices

- Innovative industries (all sectors)
- SMEs (all sectors)
- Transport sector
- Transport: Personal mobility service providers
- Transport: Logistic service providers
- Manufacturing industry (incl. vehicles manufacturers)
- Energy providers
- Agriculture sector
- Waste sector
- Construction
- Mining and quarrying
- Healthcare sector
- Competent public authorities
- Other sector(s)

8.5 Within Innovative Industries (all sectors), which sub-sectors and/or specific activities have benefited the most from the implementation of the Ambient Air Quality Directives?

50 character(s) maximum

8.11 Within Energy Providers, which sub-sectors and/or specific activities have benefited the most from the implementation of the Ambient Air Quality Directives?

50 character(s) maximum

8.16 Within the Healthcare Sector, which sub-sectors and/or specific activities have benefited the most from the implementation of the Ambient Air Quality Directives?

50 character(s) maximum

8.19 To what extent do you agree with the following statement?

"The Ambient Air Quality Directives have led to significant costs as regards ..."

	Completely agree	Somewhat agree	Neither disagree nor agree	Somewhat disagree	Completely disagree	I don't know
...equipment costs for monitoring and measurements of pollutants	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
...administrative costs for reporting	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
... costs of informing the public	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
... costs associated with preparation and adoption of air quality plans	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
... administrative Cost of coordination with other Member States	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

8.20 To what extent do you agree with the following statement?

"The costs above have been primarily borne by..."

	Completely agree	Somewhat agree	Neither disagree nor agree	Somewhat disagree	Completely disagree	I don't know
National government	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Regional authorities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Local authorities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

8.21 To what extent do you agree with the following statement?

"The costs from abatement measures taken to comply with the Ambient Air Quality Directives have been significant."

- Completely agree
- Somewhat agree
- Neither disagree nor agree
- Somewhat disagree
- Completely disagree
- I don't know

8.22 To what extent do you agree with the following statement?

“The following groups have borne costs (direct and indirect) from abatement measures taken to comply with the Ambient Air Quality Directives”

	Completely agree	Somewhat agree	Neither disagree nor agree	Somewhat disagree	Completely disagree	I don't know
All citizens	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Vulnerable citizens (in socio-economic terms)	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Vulnerable / sensitive citizens (in health terms)	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Citizens living in urban areas	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Citizens living in rural areas	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

8.23 To what extent do you agree with the following statement?

“The following sectors have born costs (direct and indirect) from abatement measures taken to comply with the Ambient Air Quality Directives”

	Completely agree	Somewhat agree	Neither disagree nor agree	Somewhat disagree	Completely disagree	I don't know
Innovative industries (all sectors)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
SMEs (all sectors)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Transport sector	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Transport: Mobility service providers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Transport: Logistic service providers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Manufacturing industry (incl. vehicles manufacturers)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Energy providers	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Agriculture sector	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Waste sector	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Construction sector	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Mining and quarrying	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Healthcare sector	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Competent public authorities	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other sector(s)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

8.24 In your opinion, which five sectors have born the highest costs from abatement measures taken to comply with the Ambient Air Quality Directives?

between 1 and 5 choices

- Innovative industries (all sectors)
- SMEs (all sectors)
- Transport sector
- Transport: Mobility service providers
- Transport: Logistic service providers
- Manufacturing industry (incl. vehicles manufacturers)
- Energy providers
- Agriculture sector
- Waste sector
- Construction sector
- Mining and quarrying
- Healthcare sector
- Competent public authorities
- Other sector(s)

8.30 Within Manufacturing Industry (incl. vehicle manufacturers), which sub-sectors and/or specific activities have born the highest costs from abatement measures taken to comply with the Ambient Air Quality Directives?

50 character(s) maximum

8.31 Within Energy Providers, which sub-sectors and/or specific activities have born the highest costs from abatement measures taken to comply with the Ambient Air Quality Directives?

50 character(s) maximum

8.36 Within the Healthcare Sector, which sub-sectors and/or specific activities have born the highest costs from abatement measures taken to comply with the Ambient Air Quality Directives?

50 character(s) maximum

8.37 Within Competent Public Authorities, which sub-sectors and/or specific activities have born the highest costs from abatement measures taken to comply with the Ambient Air Quality Directives?

50 character(s) maximum

9 Coherence

In terms of **coherence**, the questionnaire seeks to gather views on the extent to which the Directives are coherent internally (i.e. within each Directive), between each other, as well as with the overarching EU air quality policy approach (including with the national emission limits via Directive 2016/2284 and emission standards established for key pollution sources), other EU legislation (e.g. on transport, energy, agriculture or nature protection) and international commitments.

In the following questions, please keep in mind that Ambient Air Quality Directives refers only to the two Directives 2008/50/EC and 2004/107/EC

9.1 To what extent do you agree or disagree with the following statements?

	Completely agree	Somewhat agree	Neither disagree nor agree	Somewhat disagree	Completely disagree	I don't know
The provisions of Directive 2008/50/EC (ambient air quality and cleaner air for Europe) are internally coherent	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The provisions of Directive 2004/107/EC (arsenic, cadmium, mercury, nickel and polycyclic aromatic hydrocarbons in ambient air) are internally coherent	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
The Ambient Air Quality Directives successfully complement each other	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
The Ambient Air Quality Directives are coherent with the 7th Environmental Action Programme and related environmental acquis	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

9.2 To what extent do the following EU policies and pieces of legislation, aimed at reducing overall emissions, support or hamper the implementation of the Ambient Air Quality Directives?

	Strongly Support	Support	There is no interaction	Hamper	Strongly Hamper	I Don't Know
National Emissions Ceiling Directive	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
EU Directive on Sulphur Content of certain liquid fuels	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Fuel Quality Directive	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
EU Emissions Trading Scheme Directive	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Effort Sharing Decision on reduction of national greenhouse gas emissions	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

9.3 To what extent do the following EU policies and pieces of legislation, aimed at reducing emissions from specific sources, support or hamper the implementation of the Ambient Air Quality Directives?

	Strongly Support	Support	There is no interaction	Hamper	Strongly Hamper	I Don't Know
Emission Standards ("EURO") for cars & vans	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Emission Standards ("EURO") for heavy duty vehicles	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Emission Standards ("EURO") for motorcycles and mopeds	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
CO2 emission performance standards for new cars and vans	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Emission Standards for Non-Road Mobile Machinery	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Nitrates Directive (91/676/EEC)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Renewable Energy Directive	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Energy Efficiency Directive	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Emission standards for energy using products (e.g. space heaters)	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Energy Performance of Buildings Directive	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Industrial Emissions Directive	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Medium Combustion Plants Directive	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

9.4 To what extent do the following EU funding programmes & economic instruments support or hamper the implementation of the Ambient Air Quality Directives?

	Strongly Support	Support	There is no interaction	Hamper	Strongly Hamper	I Don't Know
Common Agricultural Policy (direct and market support, rural development fund)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Trans-European Networks-Transport (TEN-T)/Connecting Europe Facility (CEF)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Cohesion Policy (Cohesion Fund and European Regional Development Fund including Interreg)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
European Fund for Strategic Investments (EFSI)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
LIFE programme	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Horizon 2020	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Energy Taxation Directive	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Road Charging Directive ('eurovignette')	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
EU Public Procurement policy and legislation (e.g. Public Procurement Directives, Clean Vehicles Directive, Green Public Procurement)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

9.5 To what extent do the provisions of the Ambient Air Quality Directive support or hamper the following EU policies?

	Strongly Support	Somewhat Support	There is no interaction	Somewhat Hamper	Strongly Hamper	I Don't Know
Jobs, Growth and Investments	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Energy Union and Climate (Energy policy)	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Energy Union and Climate (Climate policy)	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Energy Union and Climate (low-emission mobility)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Digital Single Market	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
The Internal Market	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Research and innovation (e.g. Horizon 2020)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

9.6 To what extent have the Ambient Air Quality Directives contributed towards the achievement of the environmental and health objectives contained in the following global/international initiatives?

	To a very large extent	To a large extent	Somewhat	Very little	Not at all	I don't know
Sustainable Development Goals	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
UN Framework Convention on Climate Change and related agreements	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
UNECE Convention on Long-Range Transboundary Air Pollution	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
UN Montreal Protocol on substances that deplete the ozone layer	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
UN Convention on Biological Diversity	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
UN Chemical Conventions (Basel, Rotterdam, Stockholm, Minamata Conventions)	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

9.7 To what extent are the objectives of the Ambient Air Quality Directives integrated within the following urban planning efforts in your city/area?

	To a very large extent	To a large extent	Somewhat	Very little	Not at all	I don't know
Spatial planning at urban level	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Spatial planning at regional level	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Urban mobility plans	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Local climate plans	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Smart City plans	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Other urban planning schemes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

9.8 To what extent is the implementation of the AAQDs coherent with the following policies at a national level?

	To a very large extent	To a large extent	Somewhat	Very little	Not at all	I don't know

Taxation Policy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Health Policy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Energy policy	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Mobility/Transport policy	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Public Procurement	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Urban Development	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Climate Change Mitigation and Adaptation	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Industrial policy	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

9.9 To what extent do you consider there to be adequate mechanisms in place to promote coordinated action in implementing the AAQDs...

	To a very large extent	To a large extent	Somewhat	Very little	Not at all	I don't know
... between the EU and the MS?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
... between different levels of government in my country?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
... between different ministries in my country?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

9.10 Please explain your answer to the previous question

300 character(s) maximum

10 EU Value Added

In terms of **EU value added**, the questions seek to gather views on the degree to which common EU air quality standards and comparable monitoring, reporting and assessment regimes have enabled Member States to take successful action to improve beyond what would have been possible without EU action. Further, the questions seek to gather views on whether the current distribution of responsibilities between EU, Member States, regional and local levels is a useful one.

10.1 To what extent has the implementation of the Air Quality Directives resulted in...

	To a very large extent	To a large extent	Somewhat	Very little	Not at all	I don't know
... positive change at a national level?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
... positive change at local and/or regional level?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
... a positive coordination at different governance levels (national/ regional/ local) in your country?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
... increased public awareness of air quality?	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
... increased enforcement action at EU level?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
... increased enforcement action at national level?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
... successful development and implementation of related, complementary European legislation (e.g. on sustainable mobility, renewable energy, energy efficiency)?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
... successful implementation of relevant international commitments (e.g. the Convention on Long-Range Transboundary Air Pollution CLRTAP)?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

10.2 To what extent do you agree or disagree with the following statements?

	Completely agree	Somewhat agree	Neither disagree nor agree	Somewhat disagree	Completely disagree	I don't know
EU level legislation is necessary to improve air quality at national, regional and/or local level.	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
National legislation could have achieved the same results as the Air Quality Directives in reducing air pollution	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The Air Quality Directives are necessary to address transboundary air pollution	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

10.3 To what extent have the following factors made the Ambient Air Quality Directives more effective than national legislation alone?

	To a very large extent	To a large extent	Somewhat	Very little	Not at all	I don't know
EU enforcement capacity, including through infringement procedures	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Effective coordination between the Member States	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Reporting and monitoring coordination by the European Environment Agency	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Establishment of supporting networks (e.g. the AQUILA Network of Air Quality Reference Laboratories, FAIRMODE forum for air quality modelling in Europe)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

Final Open Question

10.4 Do you think that the Directives have been fit for purpose to protect citizens' health and the environment from the harmful effects of air pollution? Why?

2000 character(s) maximum

Please read Eurelectric statement on how the European electricity sector contributes to the improvement of air quality: https://cdn.eurelectric.org/media/3288/public_consultation_to_support_the_fitness_check_of_the_eu_ambient_air-2018-2420-0002-01-e-h-B32BC6A8.pdf

Background Documents

[Privacy statement](#)

Contact

<http://ec.europa.eu/environment/air/quality/index.htm>

Eurelectric pursues in all its activities the application of the following sustainable development values:

Economic Development

- Growth, added-value, efficiency

Environmental Leadership

- Commitment, innovation, pro-activeness

Social Responsibility

- Transparency, ethics, accountability



Union of the Electricity Industry - Eurelectric aisbl
Boulevard de l'Impératrice, 66 – bte 2 - 1000 Brussels, Belgium
Tel: + 32 2 515 10 00 - VAT: BE 0462 679 112 • www.eurelectric.org
EU Transparency Register number: [4271427696-87](https://ec.europa.eu/transparency/regexp1/index.cfm?do=entity.entityDetail&entityId=4271427696-87)