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# Public consultation on the EU Action Plan “Towards a Zero Pollution Ambition for air, water and soil”

Fields marked with \* are mandatory.

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## Introduction

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The European Green Deal announced that to protect Europe's citizens and ecosystems, the EU needs to move towards a zero pollution ambition, and better prevent and remedy pollution from air, water, soil, and consumer products. To address these interlinked challenges, in 2021 the Commission will adopt a Zero Pollution Action Plan.

Pollution causes multiple physical and mental diseases. In the EU, despite important improvements over the last decades, every year over 400 000 premature deaths (including from cancers) are attributed to ambient air pollution, and 48 000 cases of ischaemic heart disease as well as 6.5 million cases of chronic sleep disturbance to noise, next to other diseases attributable to both. Pollution's most harmful health impacts are typically born by vulnerable citizens, notably children, people with certain medical conditions, the elderly and people living in socio-economic deprivation.

Pollution of air, water and soil is also one of the five main drivers of biodiversity loss and contributes largely to the current 6th species extinction. It comes at a high price for society and ecosystems, including health-related costs (healthcare, lost workdays, lost productivity), reduced yields (e.g. in agriculture, fisheries and tourism), remediation costs (e.g. water treatment, soil decontamination, marine depollution) and loss of ecosystem services (e.g. pollination). Pollution is also strongly interrelated with other environmental, social and economic risks for businesses and citizens.

The purpose of this open public consultation (OPC) is to gather the perception and views of Europeans on a range of issues that the Action Plan may address, including:

- How pollution affects citizens and the environment
- How well current policies address pollution
- What actions should be taken on pollution in the future
- How to monitor pollution in the future
- What potential there is for digital solutions to address pollution

The consultation is divided into three parts:

- Part I: The first part asks for some information about you (such as which country you come from).
- Part II: The second part is directed towards the general public. You do not need any specialist knowledge to reply to this.
- Part III: The third part (Expert section) is mainly directed towards specialists and interested experts and includes a set of questions on specific issues

Finally, there is an opportunity to share documents and provide complementary information, such as position papers, more detailed reports or studies on the issues mentioned, as well as examples, practical

cases, etc

## About you

\*Language of my contribution

English

\*I am giving my contribution as

Business association

\*First name

Carla

\*Surname

CHIARETTI

\*Organisation name

*255 character(s) maximum*

EurEau - European Federation of Water Services

\*Organisation size

Micro (1 to 9 employees)

Transparency register number

*255 character(s) maximum*

Check if your organisation is on the transparency register

(<http://ec.europa.eu/transparencyregister/public/homePage.do?redir=false&locale=en>). It's a voluntary database for organisations seeking to influence EU decision-making.

39299129772-62

\*Email (this won't be published)

carla.chiaretti@eureau.org

\*Country of origin

Please add your country of origin, or that of your organisation.

Belgium

\*Publication privacy settings

The Commission will publish the responses to this public consultation. You can choose whether you would like your details to be made public or to remain anonymous.

☐ **Anonymous**

Only your contribution, country of origin and the respondent type profile that you selected will be published. All other personal details (name, organisation name and size, transparency register number) will not be published.

☒ **Public**

Your personal details (name, organisation name and size, transparency register number, country of origin) will be published with your contribution.

☒ I agree with the personal data protection provisions ([https://ec.europa.eu/info/law/better-regulation/specific-privacy-statement\\_en](https://ec.europa.eu/info/law/better-regulation/specific-privacy-statement_en))

## Part II

### 1. General awareness of pollution and related policies

This section of the questionnaire seeks to gather information on the general level of knowledge of EU environmental pollution and related policies in Europe, and their evolution over time. It seeks to gather information about knowledge of the effects of pollution on people and the environment, and about knowledge of related EU policy in broad terms.

#### 1.1 To what extent do you agree with the following statements about the impact of pollution through air, water and soil?

	Com plete ly agre e	Som ewh at agre e	Nei ther agree nor disagree	Some what disag ree	Comp letely disagr ee	I do n't kn ow
* Current levels of pollution have a negative impact on my health or the health of those immediately around me	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
* Pollution has negative impacts on the wellbeing of the population in specific locations in the EU	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Current levels of pollution have 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"/>
* Currently, pollution has negative impacts on the environment and particularly biodiversity in my immediate surroundings	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
* Currently, pollution has general negative impacts on the environment and particularly biodiversity	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Current levels of pollution have general negative impacts on the economy	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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

	Compl etely agree	Some what agree	Neither agree nor disagree	Somew hat disagre e	Comple tely disagre e	I don 't kno w
* Pollution is an issue of concern worldwide	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Pollution is an issue of concern in the EU	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Pollution is an issue of concern primarily outside of the EU	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
* Pollution 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"/>
* Pollution is an issue of concern in my municipality	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
* I feel sufficiently informed about pollution where I live	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
* I feel sufficiently informed about health consequences of pollution where I live	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
* Pollution has been reduced in the last decade where I live	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

### 1.3 To what extent do you agree with the following statements about the impact of pollution on different population groups?

	Comp letely agree	Some what agree	Neither agree nor disagree	Some what disagre e	Comple tely disagre e	I don 't kno w
* People living in cities are more exposed to pollution than in rural areas	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
* People living in rural areas are the most exposed to pollution than in urban areas	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
* People living in poverty/at risk of poverty are the more exposed to pollution than others	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
* Everyone in our society is equally exposed to pollution	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
* Children and the elderly suffer more from pollution than others	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

* Other	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
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#### 1.4 Have you heard about the following EU initiatives addressing pollution? If so, how much do you know about them?

	Ver y wel l inf or me d	Mo der atel y info rme d	No t wel l inf or me d	No t at all inf or me d	N o o pi ni on
* EU Clean Air policies such as the Ambient Air Quality Directives and the National Emission reduction Commitments (NEC) Directive	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
* EU Water policies such as the Water Framework Directive, the Marine Strategy Framework Directive, the Urban Wastewater Treatment Directive, the Drinking Water Directive and the Bathing Water Directive, the Nitrates Directive	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* EU Soil policies such as the Soil Thematic Strategy or the Sewage Sludge Directive	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* EU Noise policies such as the Environmental Noise Directive	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
* EU policies on industrial emissions, notably the Industrial Emissions Directive	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* EU policies on chemicals, such as the REACH Regulation and regulation on pesticides	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* EU policies on medicines (also known as medicinal products), such as directives or regulations, and the 2019 EU Strategic Approach to Pharmaceuticals in the Environment	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Farm to Fork Strategy	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Biodiversity Strategy	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* EU policies limiting air pollution at source, such as Euro standards for cars, buses and trucks, or eco-design rules for heating appliances	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
* EU policies addressing pollution from waste, such as from persistent organic pollutants (POPs)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Other EU policies on pollution	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

If other please specify

300 character(s) maximum

Pollution from consumers products and construction products

## 2. Views on the state of pollution and related policies

This section of the questionnaire seeks to gather views about the state of pollution and the importance of pollution in the wider context of environment policy.

### 2.1 How important is it to address the following pathways (the way pollution moves from its source once it has been released into the environment) and depositories (the eventual recipients of pollution, where it then accumulates) of pollution at the EU level?

	Very important	Important	Neither important nor unimportant	Not a priority	Irrelevant	I don't know
* Ambient air pollution	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Indoor air pollution	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Pollution of rivers, lakes and ground water	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Marine pollution	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Soil and sediment pollution	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Noise pollution	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
* Other types of pollution	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

If other please specify

300 character(s) maximum

Pollution from consumers products and construction products

### 2.2 How do you evaluate the impact of the following activities on pollution?

	Highly polluting	Somewhat polluting	No significant impact	Somewhat helps reducing pollution	Very much helps reducing pollution	I don't know
* Agriculture: animal farming	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Agriculture: crop production	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Fisheries	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Aquaculture	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Mining and extraction of raw materials	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

* Industrial production	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Road transport	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Rail transport	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Shipping	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Air transport	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Waste landfilling	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Waste incineration	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Waste recycling	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Energy production from fossil fuels	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Energy production from biomass	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Wind and solar energy production	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
* Accidental release of hazardous substances	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Littering	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Heating and cooling buildings	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Other	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

If other please specify

300 character(s) maximum

Secondary reutilization of residues from the activities listed above.  
Nuclear residues.  
Consumer products (containing biocides and pesticides)

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

	Completely agree	Some what agree	Neither agree nor disagree	Some what disagree	Completely disagree	I don't know
* My consumption habits contribute to environmental pollution in my immediate surroundings	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
* My consumption habits contribute to environmental pollution in my country	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

* My consumption habits contribute to environmental pollution in the EU	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
* My consumption habits contribute to environmental pollution globally	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

## 2.4 Which level of government is the most appropriate to address pollution in the EU Member States?

	EU level authorities	National level authorities	Regional level authorities	Local authorities	I don't know
* Overall, the most appropriate level of government to address pollution is...	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
* The most appropriate level of government to address ambient air pollution is...	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
* The most appropriate level of government to address pollution of rivers, lakes and ground water is...	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
* The most appropriate level of government to address marine pollution is...	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
* The most appropriate level of government to address soil and sediment pollution is...	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
* The most appropriate level of government to address noise pollution is...	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

## 2.5 In your opinion, is each of the following currently doing too much, enough, or not enough about pollution?

	Doing too much	Doing enough	Not doing enough	I don't know
* Product manufacturers	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
* Service providers	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Food producers (farmers, aquaculture producers, fisheries)	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
* Energy producers	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
* Banks and investors	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
* Consumers	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
* Your local or regional government	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
* Your national government	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
* The European Union	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>



* International organisations	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
* Social partners	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

### 3. Ways forward to address pollution

This section of the questionnaire seeks to gather views on how pollution should be addressed in the future.

#### 3.1 In your opinion, how effective would the following ways of tackling pollution be?

	V e r y e f f e c t i v e	S o m e w h a t e f f e c t i v e	N e i t h e r e f f e c t i v e n o r i n e f f e c t i v e	S o m e w h a t i n e f f e c t i v e	C o m p l e t e l y i n e f f e c t i v e	I d o n' t k n o w
* Greater powers to national authorities to sanction breaches to EU legislation on pollution	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Easier access to justice and other tools for civil society organisations to act against breaches to EU legislation on pollution	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Introducing heavier fines for breaches of pollution-related legislation	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Securing an overall better implementation of pollution-related legislation	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Modernising existing EU law on pollution	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Additional EU law on pollution, e.g. on soil pollution	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Financial incentives to address pollution (e.g. taxes and subsidies favouring less-polluting activities by industry and consumers)	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Ensuring a more positive impact of the banking and insurance systems on pollution	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* More research on pollution (e.g. to better understand sources and impacts of pollution, prevent and remediate it)	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Better monitoring of pollution levels	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

* Better anticipating how pollution may develop in the future (e.g. using modelling)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Stepping up international action on pollution	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Enhancing cooperation between stakeholders	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Increasing awareness on pollution, e.g. funding for clean-up/remediation activities with citizen involvement	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Formal education: Integrating pollution-related issues more into education curricula, e.g. training activities on the interplay between pollution, climate change, and public health, on sustainable consumption of products and energy, on sustainable mobility	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Influencing behavioural change (e.g. through social media, culture, sports,...) to shift to a 'zero pollution mentality', by informing citizens more, e.g. on the interplay between pollution, climate change and public health, on sustainable consumption of products and energy, on sustainable mobility	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Social innovation (e.g. shifting from physical to digital solutions, changes in work organisation)	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Other	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

If other, please specify

300 character(s) maximum

Better implementation of the current legislation and art.191.2 TFEU principles: precautionary, preventive action, source control and polluter-pays principles

If applicable, please specify in which area you would like to see new EU legislation on pollution

300 character(s) maximum

Chemicals (PMT substances, including all PFAS), Pesticides and Fertilisers, Pharmaceuticals, voluntary added microplastics

**3.2 In your view, how much should the following groups contribute (financially and by actions) to reducing pollution, compared to the current situation?**

	Much more	Somewhat more	Same as currently	Somewhat less	Much less	I don't know
* Product manufacturers	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Service providers	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Food producers (farmers, aquaculture producers, fisheries)	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Energy producers	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Consumers	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

*Taxpayers via public funding	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
*Other	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

If other please specify

300 character(s) maximum

The responsibility of the producers should be extended and involve the whole life cycle of products and substances

**3.3 In your view, which lessons could be learned for zero pollution policies from recent developments, such as changes observed during Covid-19 related measures (e.g. changes related to less commuting and traffic)?**

	Completely agree	Some what agree	Neither agree nor disagree	Somewhat disagree	Completely disagree	I don't know
* More can and should be done to reduce ambient air pollution in cities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
* More can and should be done to reduce noise pollution in cities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
* More can and should be done to reduce pollution from food (from farmer to consumer)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
* More can and should be done to reduce pollution from waste (from production to recycling/disposal)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
* More can and should be done to reduce pollution in our seas	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
* More can and should be done to reduce the need for passenger and goods transport (e.g. adapting work organisation, more teleworking)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
* More can and should be done to incentivise active and clean mobility (e.g. walking and cycling)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
* More can and should be done to incentivise other alternatives to private car ownership, such as shared mobility solutions and public transport	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
* Other	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

If other please specify

300 character(s) maximum

The covid19 pandemic reiterated the importance of water services as services of general interest for Water Supply, Sanitation and Hygiene.

### 3.4 In your view, what impacts should be the most decisive for implementation of pollution related policies?

	Completely agree	Somewhat agree	Neither agree nor disagree	Somewhat disagree	Completely disagree	I don't know
*Human and animal health impacts	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
*Environmental impacts	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
*Economic impacts	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
*Social impacts	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
*Other	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

## Part III: Expert section

This part is dedicated to experts and specialised public. It includes two thematic sections which are cross-cutting in nature, namely the monitoring and digitalisation. Other thematic consultations have already taken place or are planned in the context of specific impact assessment or evaluation work (see introductory section). These dedicated consultations will also be considered in the zero pollution work. However, the focus here is on cross-cutting themes.

## 4. Towards an integrated zero pollution monitoring and outlook framework

This section of the questionnaire seeks to gather views of experts on the development of a more integrated and holistic zero pollution monitoring and outlook framework. Monitoring can describe the levels and impacts of pollution now and in the past, including the analysis of trends. An outlook can identify potential changes and (new) developments in the future either in a quantitative manner (e.g. through modelling and scenarios) or in a qualitative manner (through foresight and horizon scanning).

This section is particularly suited for respondents who do have an in-depth knowledge of monitoring and assessing pollution in a policy context.

### 4.1 What is your opinion about the following statements?

	Completely agree	Somewhat agree	Neither agree nor disagree	Somewhat disagree	Completely disagree	I don't know
Existing pollution monitoring frameworks at EU and national level are sufficient.	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Integrating (zero) pollution monitoring frameworks, such as on different pollutants or under different laws at EU level is an important initiative <b>for the EU action plan</b> .	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Developing an overarching 'Zero Pollution' monitoring framework at EU level is relevant <b>for your own work</b> .	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Communicating on health impacts from pollution at EU level needs to be improved.	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Communicating on environmental impacts from pollution at EU level needs to be improved.	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Communicating on socio-economic impacts related to pollution at EU level needs to be improved	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Linkages of health data with pollution data need to be improved	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Linkages of socio-economic data with pollution data need to be improved	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

#### 4.2 In your opinion, what should be the main purpose for a zero pollution monitoring and outlook at EU level?

	So me wh at agr ee	Neithe r disagr ee nor agree	Som ewh at disa gree	Com plete ly disa gree	I d o n' t k n o w
Providing a guidance ('compass') for the Zero Pollution ambition towards 2050 for the purpose of <b>policy making and communication</b>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Being 'a driver for change' through better communication with and engagement of citizens	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Showing <b>implementation progress</b> ('what is the distance to target?') and <b>effectiveness</b> ('have the past measures worked?') of existing EU policies and legislation	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Monitoring progress towards benchmarks related to human health and well-being (e.g. on air or water pollution) and to planetary boundaries (e.g. on pollution from excess nutrients)	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Assessing the total pollution load (exposure) as well as the main impacts of pollution on humans and on ecosystems	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

#### 4.3 In your opinion, which pollutants should be addressed as a priority at EU level and therefore included in the monitoring framework?

	Compl etel y agr ee	So me wha t agr ee	Nei ther disag re nor agree	Som ewha t disag ree	Com pletel y disag ree	I do n't kn ow
Particulate matter in ambient air (PM10, PM2.5)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Other air pollutants (e.g. nitrogen dioxide, ozone, sulphur dioxide)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Excess nutrients (nitrogen and phosphorus) in air, water and soil	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Heavy metals in air, water and soil	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Pesticides / biocides	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Pharmaceuticals and especially pharmaceutical substances representing a risk with respect to the development of antimicrobial resistances	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Hydrocarbons including oil spills	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other industrial chemicals	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Marine litter, including plastics	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Microbiological and viral pollution	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Noise	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Other physical pollution not listed above	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other pollutants not listed above	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

If other physical pollution, please specify

100 character(s) maximum

If other pollutants, please specify

100 character(s) maximum

## 5. Digital solutions for zero pollution

This section of the questionnaire seeks to gather views of experts on the digital tools and services (such as the use of artificial intelligence or blockchain) and how they can be used for achieving the zero pollution ambition.

This section is particularly suited for respondents who do have an in-depth knowledge of digitisation ideally applied in the context of pollution prevention, reduction and remediation.

### 5.1 What is your opinion about the following statements?

	Com plete ly agre e	Som ewh at agre e	Neither disagree nor agree	Some what disag ree	Comp letely disagr ee	I do n't kn ow
Digital solutions offer a significant potential for reducing pollution.	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Digital solutions are already widely applied by businesses for reducing pollution.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Administrations (in my country) are using digital tools to trace pollution and inform the public.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Administrations (in my country) are using digital tools to implement EU pollution legislation and enforce rules on the ground.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Significant investment is needed in innovation and digitalisation to help achieve the 'zero pollution ambition'	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Excessive data collection and storage risks contributing to pollution more than it reduces pollution	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

### 5.2 In your opinion, what are the areas of digital application with the biggest potential for pollution prevention, reduction and remediation?

	Com plete ly agre e	Som ewh at agre e	Neither disagree nor agree	Some what disag ree	Comp letely disagr ee	I do n't kn ow
Data generation and monitoring of pollution (e.g. through remote sensing)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Data transmission and management	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Data analytics and artificial intelligence	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Blockchain and distributed ledger technology	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Internet of things (IoT)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Information about pollution for consumers and businesses (e.g. pollutants present in products through product passports)	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

3D printing or additive manufacturing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Online platforms and cloud systems	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Digital twins and models	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Changing work organisation, shifting from physical to digital solutions (e.g. teleworking)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Can you give examples for digital solutions to reduce pollution in your area of work?

*2,000 character(s) maximum*

Security risks should also be considered when using digital solutions. For more details please read the attached position paper below.

## Further comments

Do you have any other comments or any other issues that should be addressed in the context of the Zero Pollution Action Plan? Why?

*2,000 character(s) maximum*

EurEau believes that monitoring pollution in the environment is a good step to understand the sources and the level of pollution, but it might be too late to control it.

We reiterate that some substances should be regulated on the basis of the assessment of their intrinsic properties: this assessment should be carried out before these substances are allowed on the market. Once they are found in the environment at a level of detection or quantification it might be already very difficult to remediate/mitigate the adverse effect of these pollutants on the ecosystems and human health due to their characteristics such as: persistence, bio-accumulation, toxicity and mobility.

Digital solutions will not be enough to move towards a toxic-free environment, we need action along the whole life-cycle of pollutants and the effective implementation of source-control measures. More details can be found in the attached position paper.

You may upload a document adding additional relevant observations. Please keep the contents short and focused on the subject of the consultation.

Please note that the uploaded document will be published in its entirety.

## Contact

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