

Policy pressures on air *anticipating unforeseen effects of EU policies on Air Quality*

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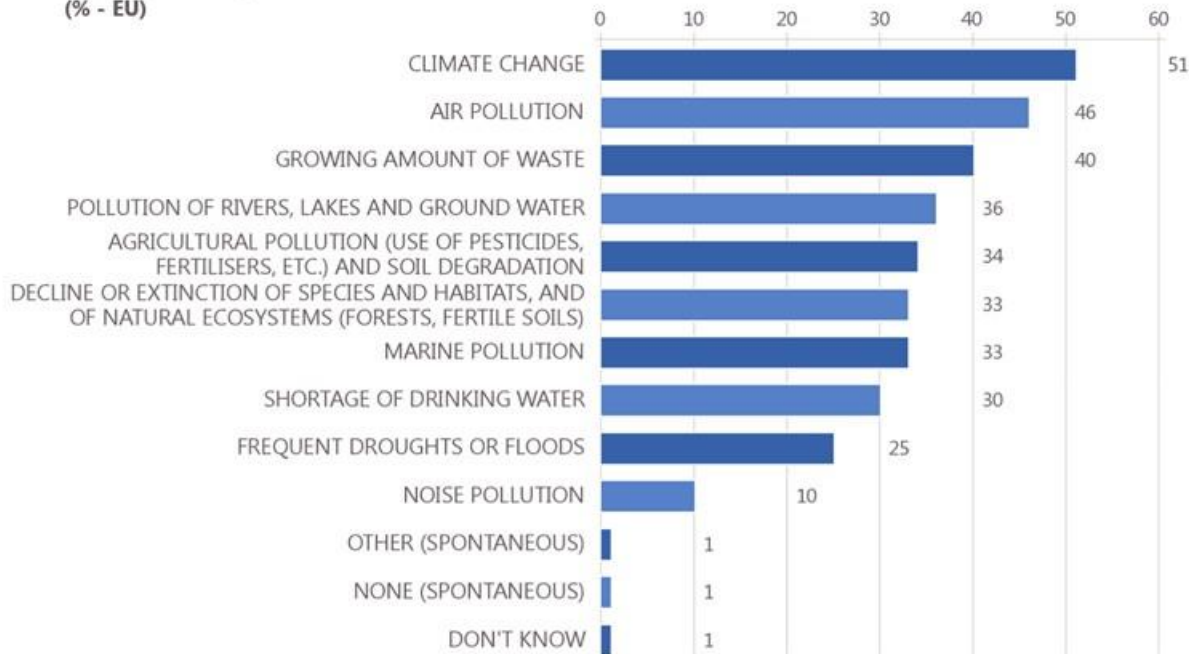
Addressing the unforeseen impact of structural changes on European Air Quality– 11-12/2/2019

Air pollution, still a EU citizens' concern

Expected EU to play a role

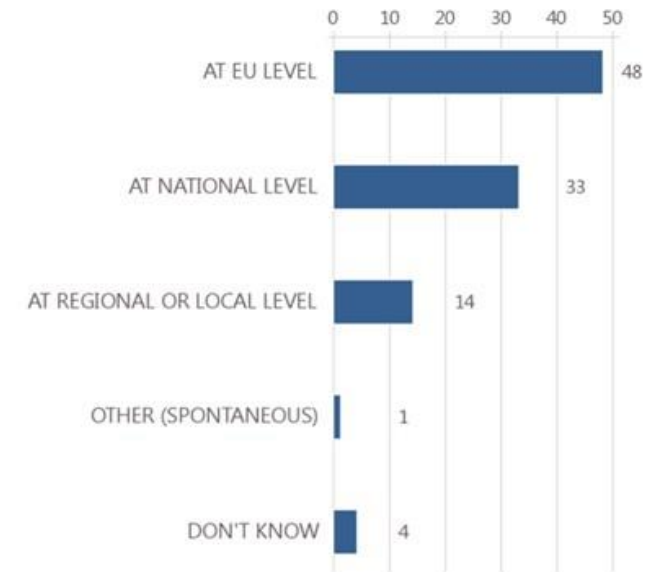


QD2 From the following list, please pick the four environmental issues which you consider the most important.
(MAX. 4 ANSWERS)
(% - EU)



Base: all respondents (n=27,881)

QD18 In your opinion, at what level can the issue of air pollution best be addressed?
(% - EU)



Base: all respondents (n=27,881)

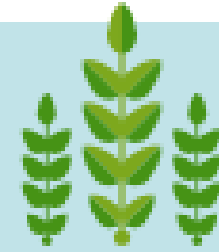
Costs for EU of bad air quality remain high



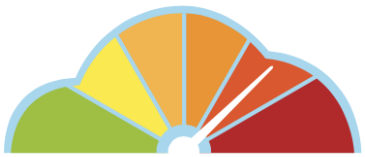
400.000
premature **deaths**
every year



€4 billion in
healthcare and
€16 billion in lost
working days



€3 billion in lost
crops and
€1 billion in
building **damage**

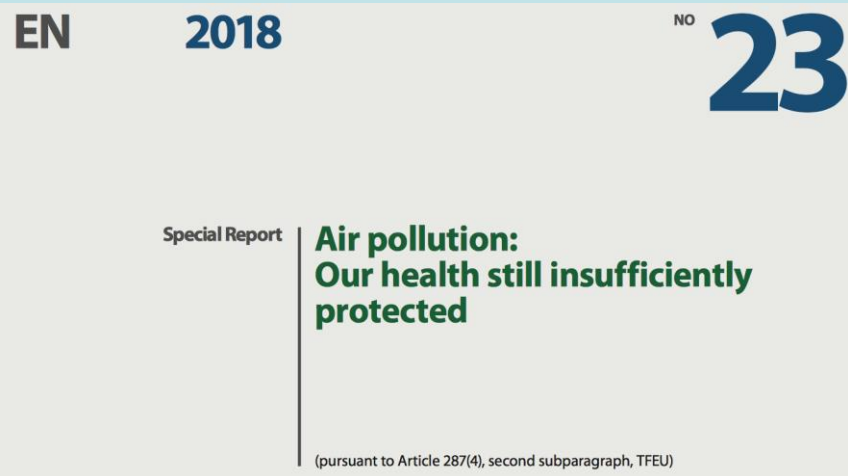


130 EU cities do not meet EU air
quality standards in more than **20 MS**



Interactions of EU policies with air quality

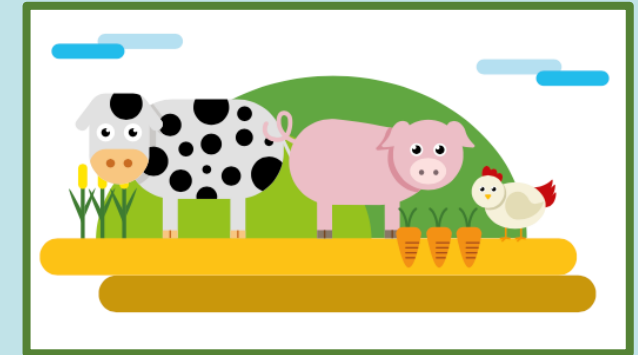
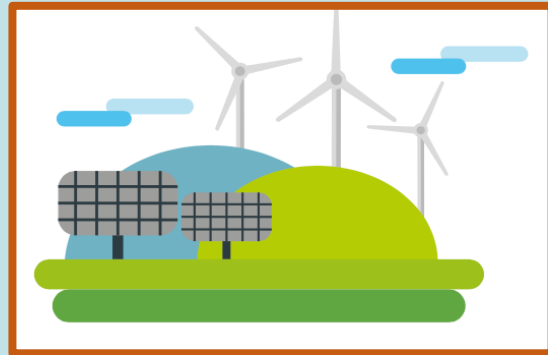
not yet sufficiently considered according to Court of Auditors



IV. We concluded that EU action to protect human health from air pollution had not delivered the expected impact. The significant human and economic costs have not yet been reflected in adequate action across the EU.

Many EU policies have an impact on air quality, but, given the significant human and economic costs, we consider that some EU policies do not yet sufficiently well reflect the importance of improving air quality. Climate and energy, transport, industry, and agriculture are EU policies with a direct impact on air quality, and choices made to implement them can be detrimental to clean air.

Policy co-benefits on air quality



Energy and Climate

Mobility
and transport

Agriculture

Policies bring by structural changes



Others...

Urban planning
Growth
...

Common Agricultural Policy

Greening the CAP

Mobility and Transport

Electromobility
Post Euro6
Automated Mobility
...

Energy and Climate

Biofuels use
Bioenergy
Heating and cooling
Energy saving in buildings

Policies bring by structural changes – this meeting

Energy and Climate

Bioenergy
Electricity market
Energy poverty
Gas infrastructures
Rebound effect



Mobility and Transport

Electromobility
Post Euro6
Automated Mobility
Transport demand
Rebound effect

Some could offset air quality benefits

Mobility and transport policies

Changes in technologies

- ***Electric vehicles expansion***
- ***Post Euro6 vehicles***
- ***Plug-in hybrid vehicles***
- ***Autonomous vehicles***

Changes in behaviors

- ***Mobility demand***
- ***Rebound effects***

Some could offset air quality benefits

Energy and Climate policies

- ***Biofuels and bioenergy use***
- ***Issues with electricity market***
- ***Gas infrastructures***
- ***Energy poverty and unintended behavioral changes***

From now to May 2019

Connecting with outside the organisation

- **11th-12th February 2019**

1st Expert meeting – Warsaw

- **March 2019**

Internal JRC workshop meeting

- **April-May 2019**

2nd Expert meeting – looking at urban scale issues



Objectives of JRC **Pressure on Air** project

- **Aims to identify** and **anticipate** impacts of unforeseen pressures on air quality driven by structural changes brought by EU policies; **to**
 - ✓ **Map** impacts of policies on air quality and **screen** current/potential structural changes jeopardizing the achievement of air quality emission targets of Member States
 - ✓ Prepare **scenarios** (e.g. mobility, displacement of sources, ...) including macro-economic models
 - ✓ Evaluate the impacts on the **National Emission Ceilings**
 - ✓ Identify the **impacts** on air quality (health,...) at various scales

We need you to make it happen



A true cross-cutting project can only work breaking silos and working together. It is the case for **Pressure on Air**

Let's help to anticipate and release policy pressures on air

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