

Protecting And Improving The Air We Breathe



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Impacts of Air Pollution



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Causes of Air Pollution

- Fossil Fuel Combustion
- Industrial Processes
- Agricultural Activities



EU Air Quality Policy

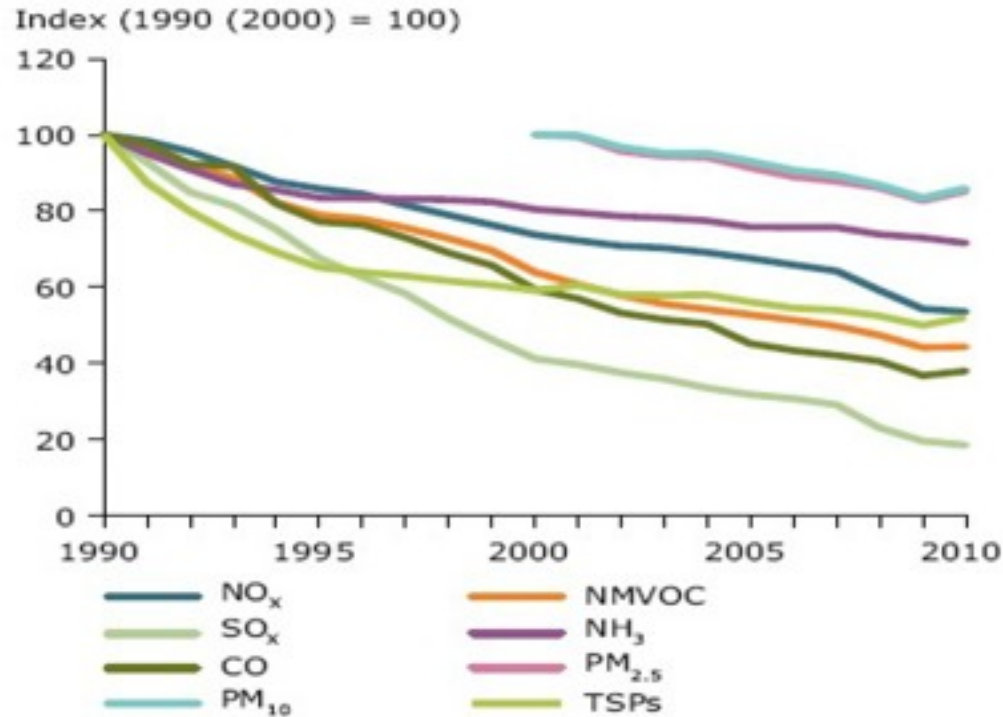
“to achieve levels of air quality that do not result in unacceptable impacts on, and risks to, human health and the environment”

■ Three legislative pillars

- Ambient Air Quality Directives
- National Emissions Ceiling Directive
- EU-Level Source Based Legislation



Emission Trends of Air Pollutants from 1990 to 2010 in the EU-27



Industrial Emissions of Air Pollutants in the EU

- Improved Abatement
- New technologies
- Fuel switching



Transport Emissions of Air Pollutants in the EU

- Measures targeting vehicle tailpipe emissions reduced
 - NO_x
 - CO
 - NMVOC
 - PM
- Reducing NO_x emissions further remains a challenge

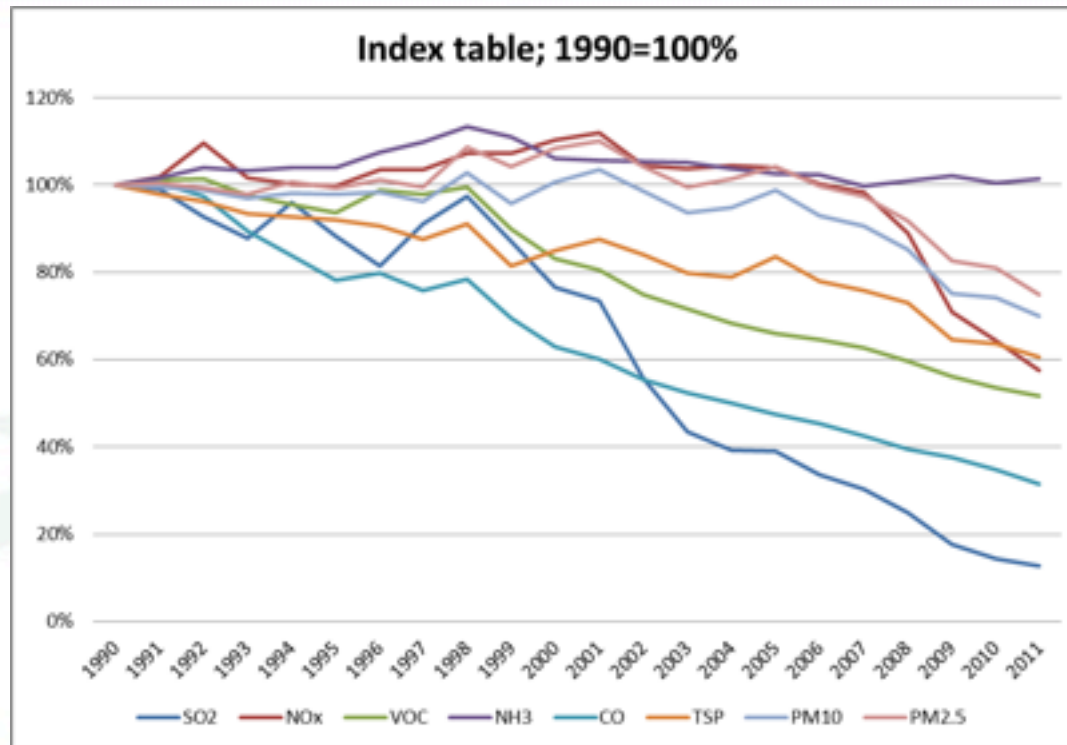


Agricultural and Residential Sectors in the EU

- NH_3 emissions reduced
- Difficult to achieve further reductions
- Residential emissions reduced through energy-efficiency measures, cleaner fuel and improved technology
- Switch to biomass from other fuels has potential to increase emissions of PM and PAH



Emission Trends of Air Pollutants from 1990 to 2011 in Ireland



Case Study: Ban of Smoky Coal in Ireland



Case Study: Ban of Smoky Coal in Ireland

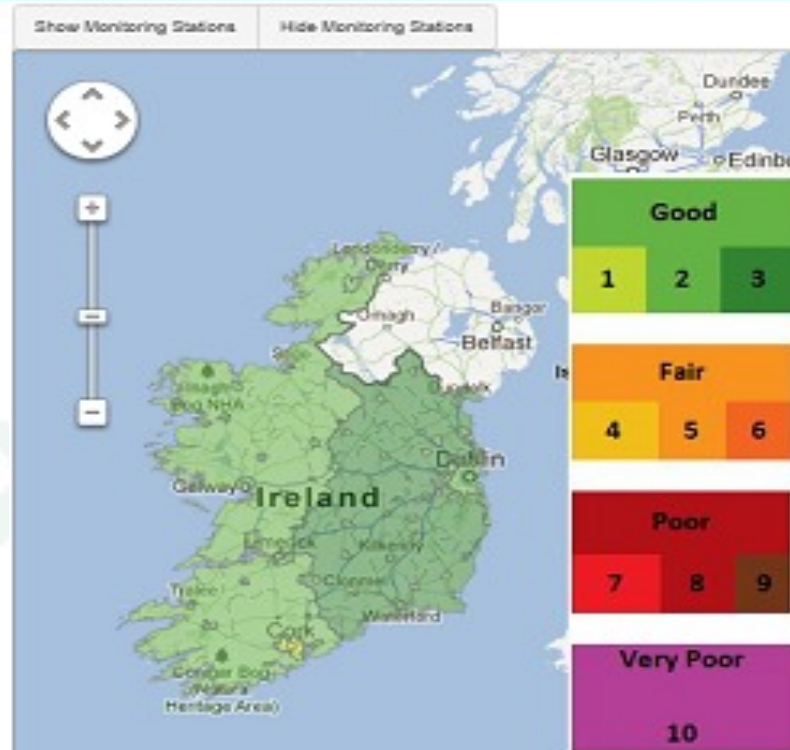


Keeping People Informed

3 out of 5 Europeans do not feel informed about air quality



Case Study: Ireland's Air Quality Index for Health



Conclusion





epa

Environmental Protection Agency
An Ghníomhaireacht um Chaomhnú Comhshaoil

Ozone – A Transboundary Problem



Climate Change and Air Pollution

- Maximise synergies
- Mitigate conflicts

