



A Europe that protects: Clean air for all

EU Clean Air policy

European Commission
DG ENV: Clean Air Unit
Susanne Lindahl

Air pollution in the EU

EU **air quality is improving**. Emissions have decreased substantially.
Still, there are, in the EU:

- Health impacts:** Around 400 000 premature deaths each year
- Economic impacts:** More than € 24 billion per year in direct costs
- Environmental impacts:** Eutrophication limits exceeded in 63% of ecosystem area in the EU, and in 73% of Natura2000 area

Clean air for all ... EU policy framework



Ambient Air Quality Directives

Maximum concentrations of
air polluting substances
(PM₁₀, PM_{2.5}, SO₂, NO₂, CO, O₃ + 6 more)

SETTING OBJECTIVES FOR GOOD AIR QUALITY

REDUCING EMISSIONS OF POLLUTANTS



National Emission Ceilings Directive

National emission totals
(SO₂, NO_x, VOC, PM_{2.5}, NH₃)



EU-28 reduction targets btw. 2005 and 2030

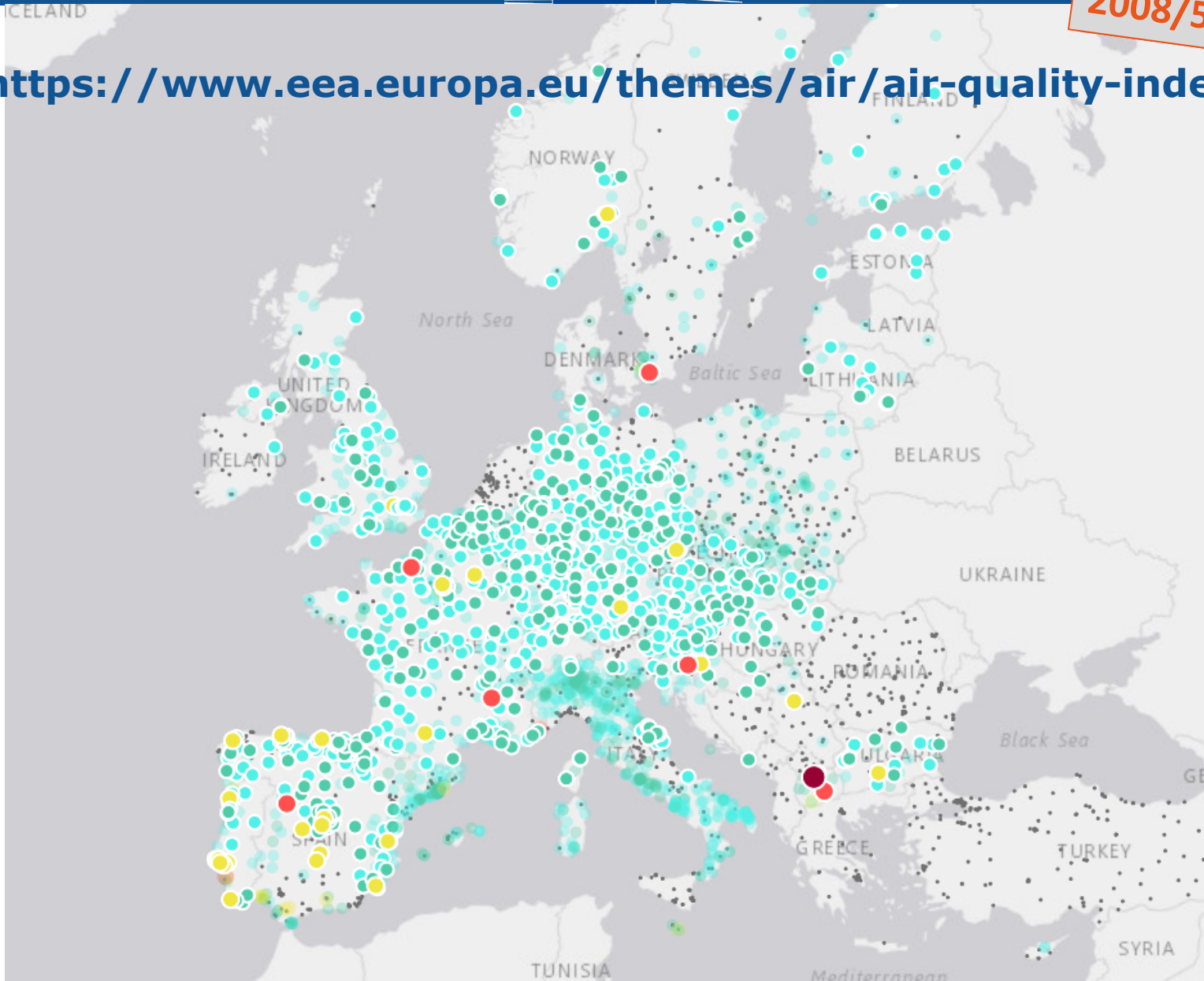
Source-specific emission standards

- IED Directive
- MCP Directive
- Eco-design Directive
- Energy efficiency
- Euro and fuel standards

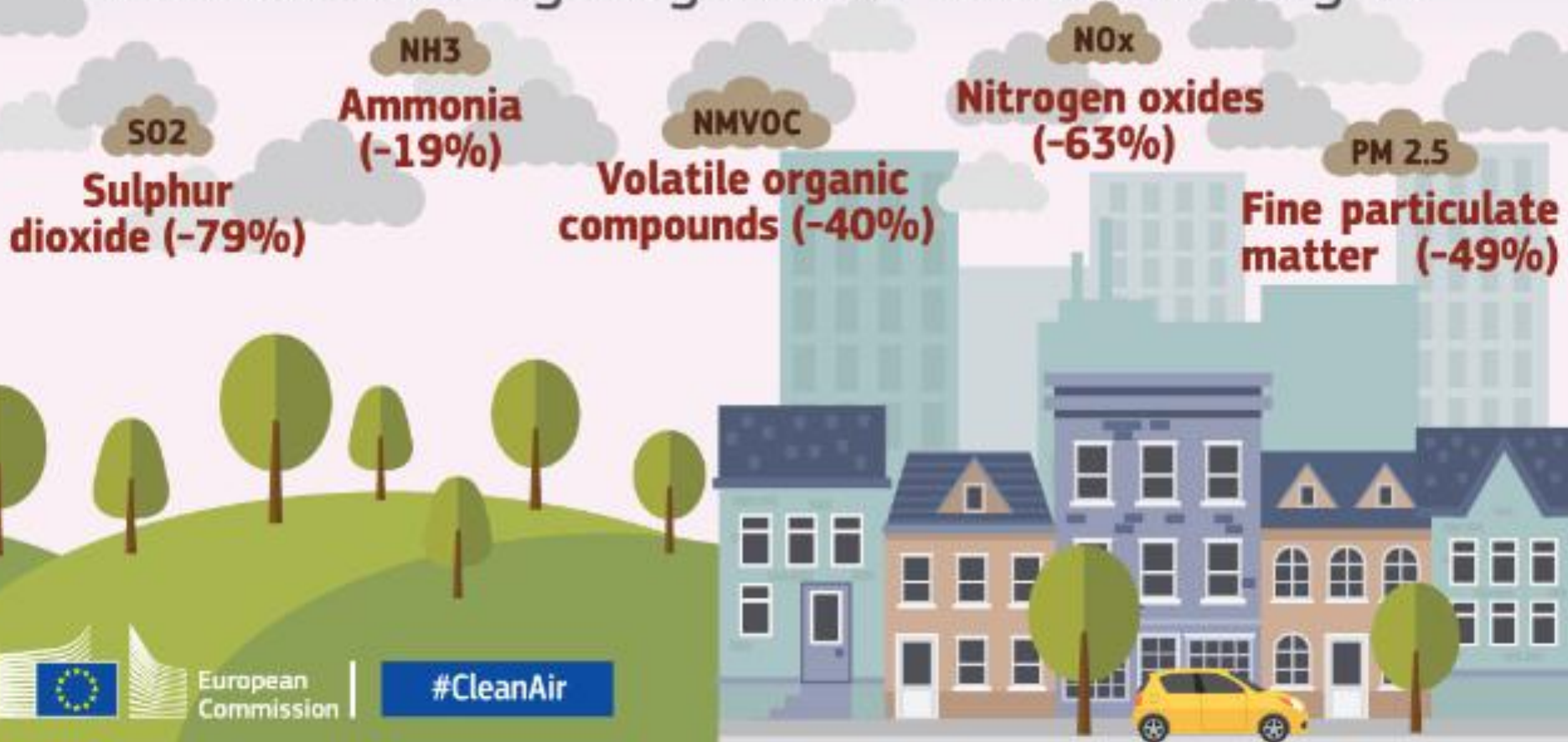


**Directive
2008/50/EC**

<https://www.eea.europa.eu/themes/air/air-quality-index>

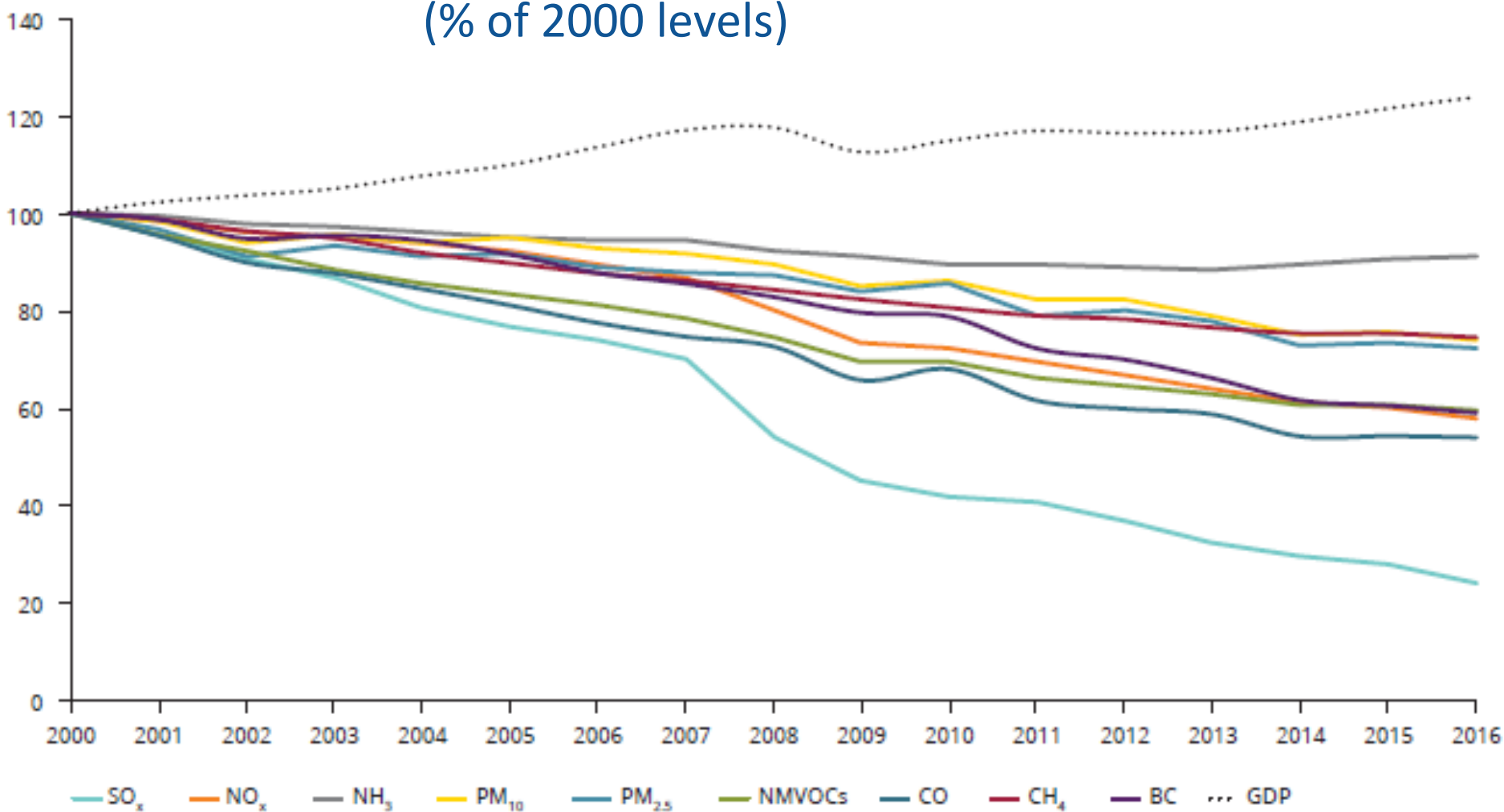


Pollutants covered by EU National Emission Ceilings legislation and 2030 targets



Development in EU-28 emissions 2000-2016 (% of 2000 levels)

Index (% of 2000)





Source-specific performance standards: examples

Industrial Emission Directive, Industrial Emissions Performance Standards
Ecodesign and Eco-Label standards, BATs and BREFs, ...

Medium Combustion Plants Directive addresses installations at 1-50 MW,
setting fuel-specific emission limit values (focus on SO₂, NO_x and PM), ...

Road transport including type approval standards, real driving emission tests,
Euro 6 standards, ...

Non-Road Mobile Machinery (NRMM Directive) type approval standards, fuel
quality standards (e.g. sulphur in liquid fuels) to reduce shipping emissions, ...

CLRTAP + Gothenburg Protocol

- UNECE Convention on Long-range Transboundary Air Pollution and linked task forces and knowledge centres – guidelines, manuals for assessments, data analysis; guidelines for cost-efficient countermeasures, etc.
- The 1999 Protocol to Abate Acidification, Eutrophication and Ground-level Ozone (equivalent to EU NEC Directive)
- Ratification and implementation of the Convention and its protocols → reducing health and environmental impacts in a more cost-effective way than with unilateral action



More Information

<http://ec.europa.eu/environment/air/>

Feedback

ENV-AIR@ec.europa.eu

Thank you!

European Commission

DG ENV C.3

Clean Air