



Agriculture and the National Emission Ceilings Directive

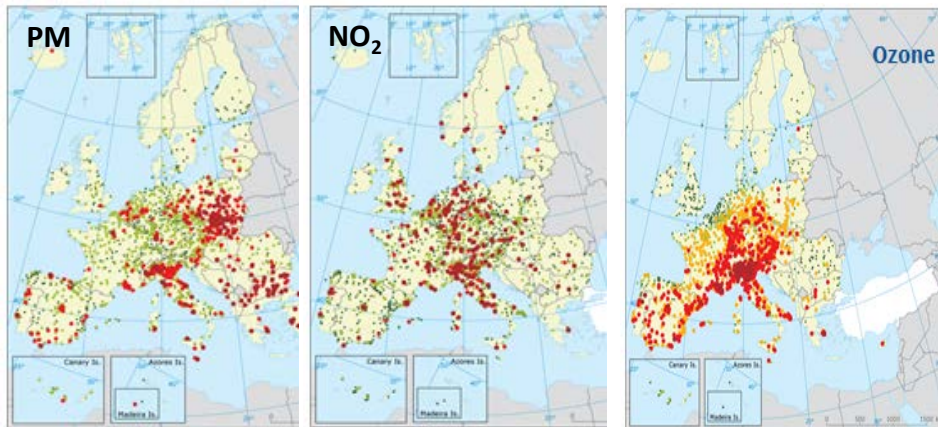
Air Policy and Agriculture

June 2017

Scott Brockett ENV C3 – Clean Air

Air quality today in the EU

significant remaining challenges to resolve

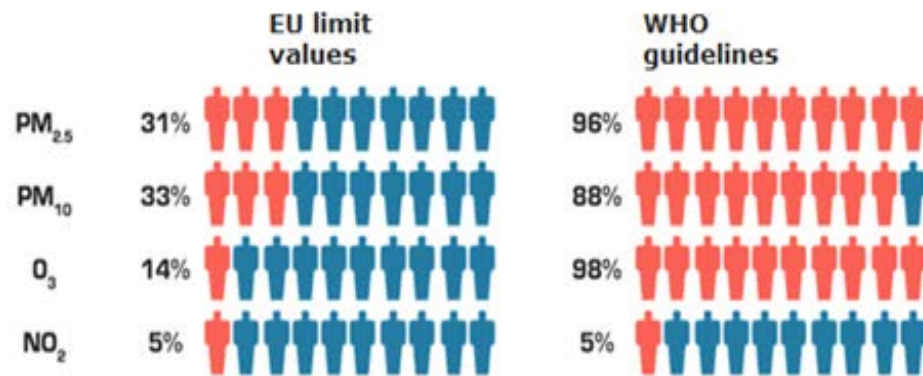


• Health & Environment Impacts

- > 400.000 premature deaths each year
(10 times the amount of people dying prematurely in traffic)
- > 30% EU citizens exposed to air pollutant levels above EU standards
- > 90% EU citizens exposed to air pollutant levels above WHO guidelines

• Socio-Economic Impacts

- External costs: €300-900 billion
- 436 million restricted activity days
(incl. 121 million lost workdays)
- Direct economic costs: €23 billion
(€15bn lost workdays, €4bn healthcare costs, €3bn crop yield loss and €1bn damage to buildings).



National Emission Ceiling Directive – final deal

Reduction commitments

	2020	2030
SO ₂	-59%	-79%
NO _x	-42%	-63%
VOC	-28%	-40%
NH ₃	-6%	-19%
PM _{2.5}	-22%	-49%

Health impact reduction reduced by almost 50% by 2030 compared with 2005

Ecosystem benefits*

- 35% less eutrophication
- 85% less acidification.

Costs and benefits*

- Implementation cost €2.2 billion per year
- Split 40% domestic sector, 37% industrial sector, 23% agriculture



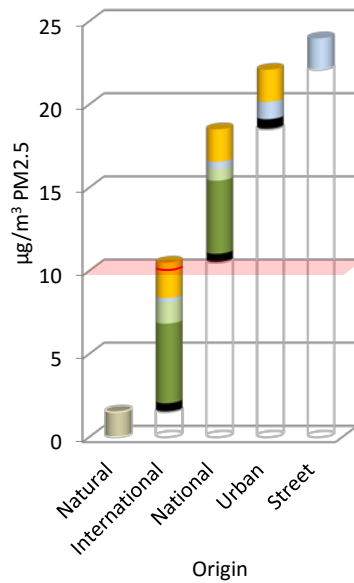
- Indirect economic benefits: €40-140 billion per year
- Direct economic benefits: €3 billion per year



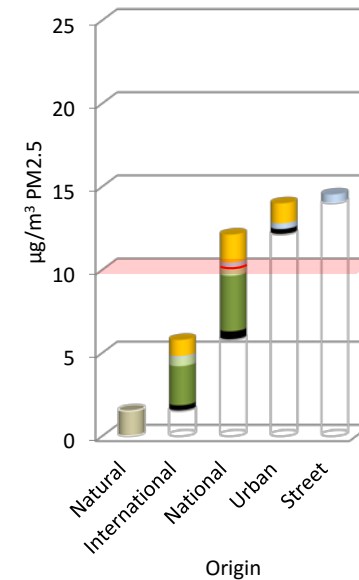
What will the NEC proposal bring?

Origins of PM2.5 emissions in the Czech Republic

A. 2009



B. 2030 Commission Proposal



Main implications for agriculture

- **Significant reduction over business as usual in 2030 will require serious action**
- **Main action is required on manure management, fertiliser use and field burning of agricultural waste**
- **List of measures in Annex III which MSs should consider**
- **Clean Air Outlook 2017 will look at the sector in detail**
- **Clean Air Forum in November 2017 will have agriculture as one of its three main topics**



Thank you for your attention

Scott BROCKETT

DG Environment

Directorate C - Quality of Life