



Directive 2004/42EC on the limitation of VOC's in paints

**Screening meeting with Turkey and Croatia
Brussels, 06 April 2006**

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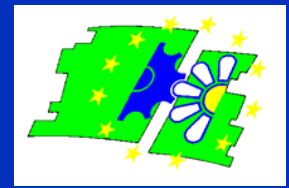
Outline



- 1. Why is it important to reduce VOC's in paints?**
- 2. What are the objectives of the Directive?**
- 3. What is the contents of the Directive? Scope, main obligations, deadlines**
- 4. Implementation of the Directive**



1. Why is it important to reduce VOC's in paints?



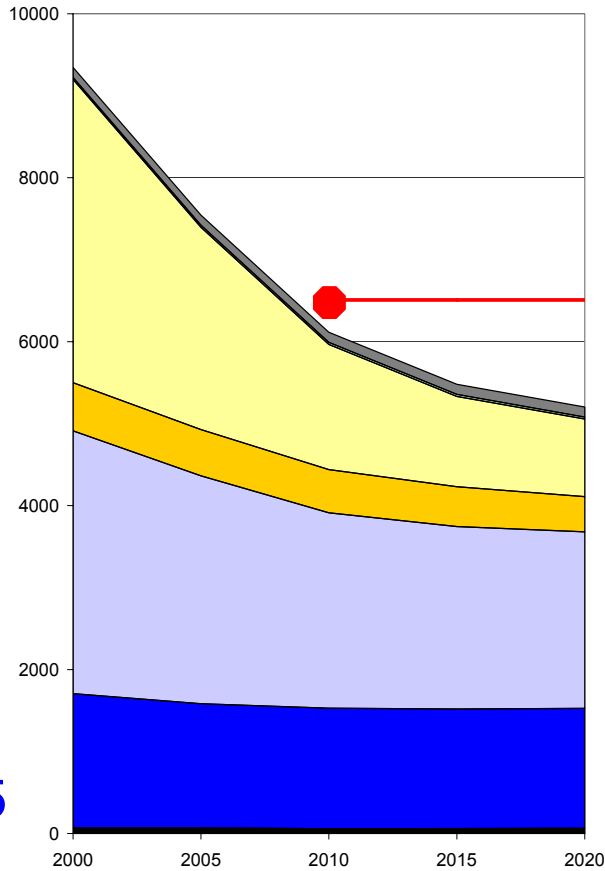
1. **Paints is an important contributor to total VOC's emissions: about 15 - 20 %**
2. **VOC's are contributing to Ozone formation, Ozone is adverse for public health and vegetation**
3. **Some VOC's are toxic for human health (BTX)**
4. **Help to meet the objectives of the NEC and AQ Directives**

VOC emissions

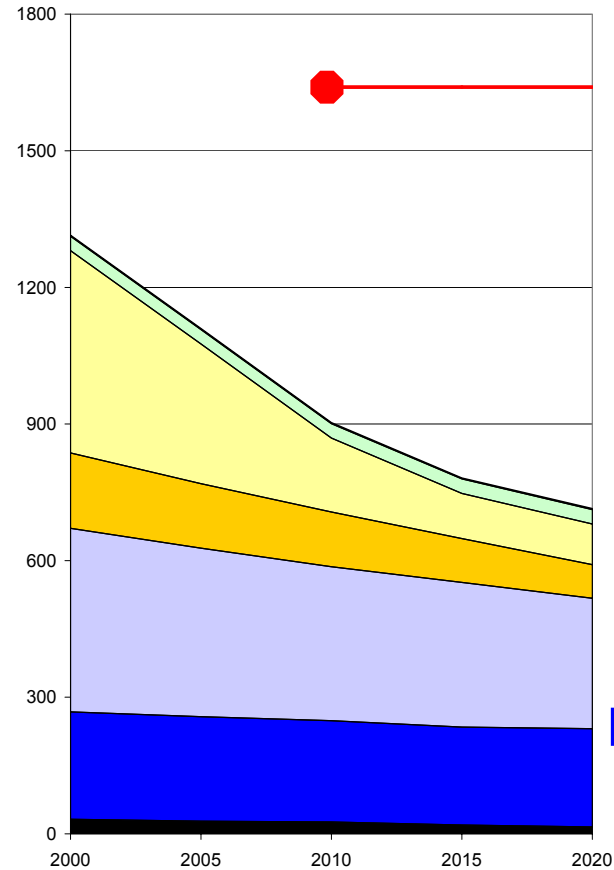
“With climate measures” scenario [kt]



EU-15



New Member States



- Power generation
- Industry
- Households
- Transport
- Agriculture
- Solvents
- Waste
- National Emission Ceilings



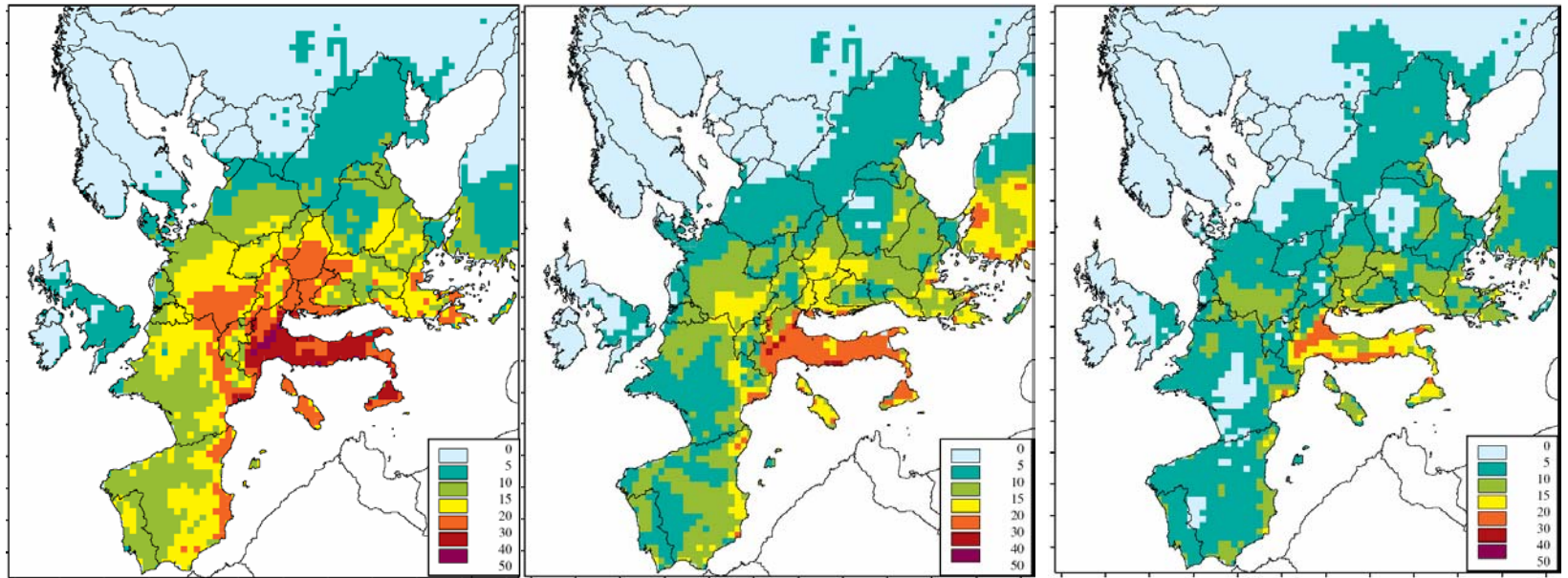
VOC's sources- Turkey

Source: IIASA



Primary sector	2000	2005	2010	2015	2020
Chemical industry	2.459	2.446	2.341	2.270	2.202
Combustion	217.262	185.368	162.527	152.856	153.480
Fuel production-distribution	45.256	50.809	57.000	66.434	71.809
Miscellaneous	31.478	32.857	34.040	35.223	36.378
Off-road transport	21.829	19.818	20.139	20.306	20.879
Other solvent use	66.511	63.902	67.578	74.179	75.546
Paint application	102.322	87.679	75.979	77.151	72.072
Printing	6.198	5.665	4.994	3.863	2.320
Road transport	289.400	339.242	241.963	177.029	77.430
Sum	782.715	787.786	666.561	609.311	512.116

AOT40



2000

2010

2020

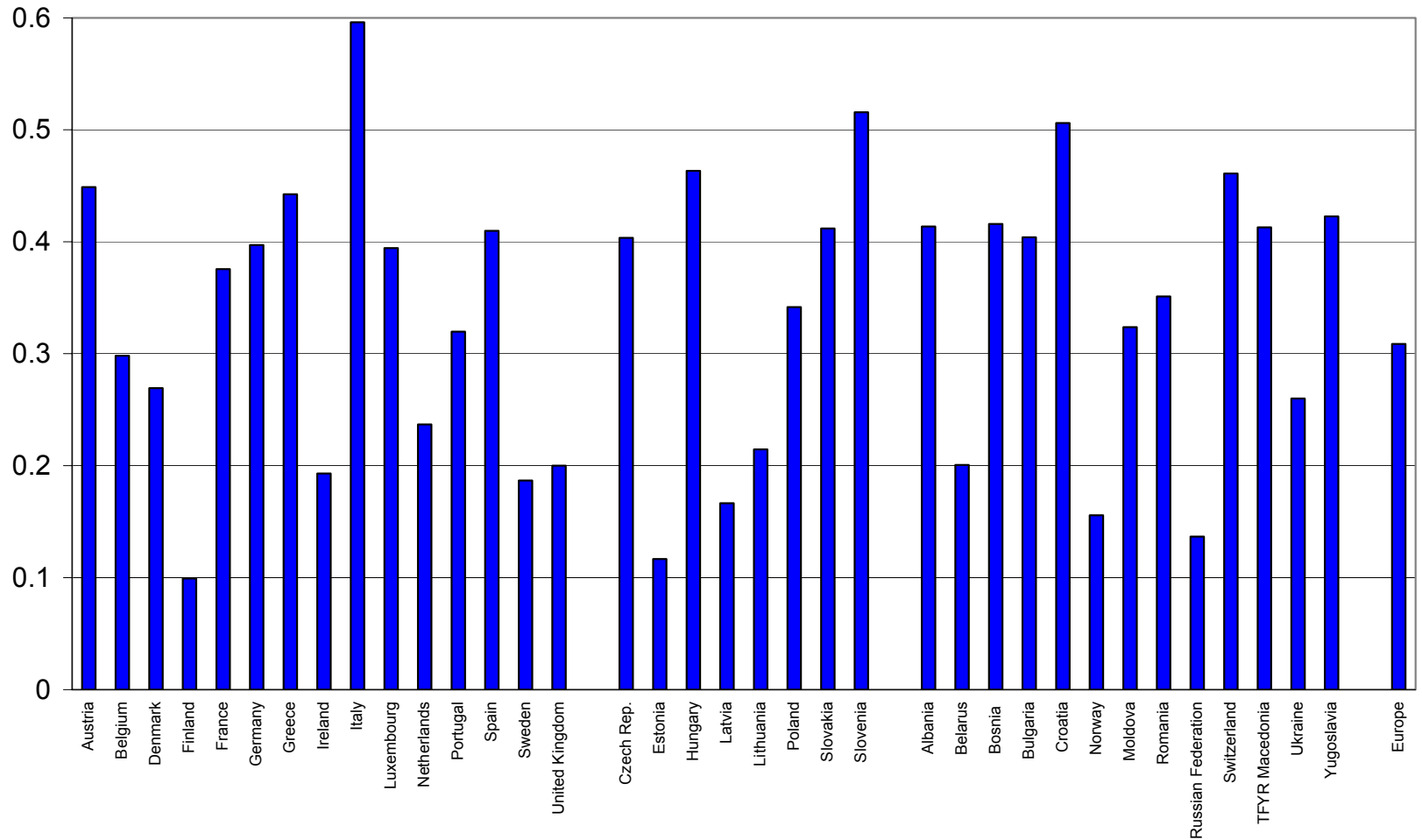
Six months AOT40 (forests) [ppm.hours]

Emissions for the “no further climate measures” scenario

Average meteorology for 1999 and 2003

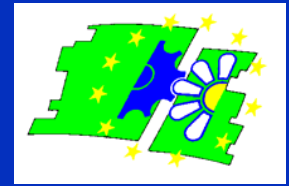
Premature deaths attributable to O₃

Year 2000, mean meteorology, threshold=30 ppb, percent of total deaths





2. Objectives of the Directive

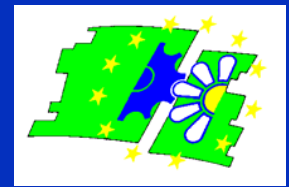


The main purpose is to reduce VOC's emissions from the use of paints through a limitation of total VOC's contents of certain paints, varnishes and vehicle refinishing products

Legal basis : Article 95 of the Treaty – Internal Market



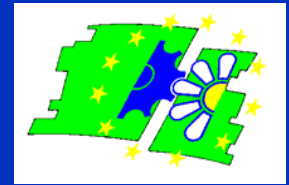
Contents of the Directive (1/2)



- 1. Scope: in annex 1, definition of the various categories of paints covered by the Directive : 2 main sub categories (1) domestic paints products (2) vehicle refinishing products**
- 2. Main obligations and deadlines: for each sub category, a maximum of VOC content is indicated in annex 2.
2 phases are foreseen : 1st January 2007, and 2010**
- 3. As from 1 January 2008 (2011 for phase 2), interdiction to sell products which are not in conformity with the Directive**



Contents of the Directive (2/2)



- 4. Obligation of labelling products with a clear indication of VOC contents**
- 5. Derogations foreseen for installations covered by Directive 1999/13/EC and for restoration of buildings of historical and cultural value**



Implementation



- 1. Monitoring programme to be established by the Member states – Controls to be foreseen at production and importation level and « on the market »: paints formula's, sampling, labelling – Competent authority to be designated by MS**
- 2. Reporting on monitoring program every 5 years (first report due by June 2008) – Commission is preparing a questionnaire**



Thank you for your attention !!!