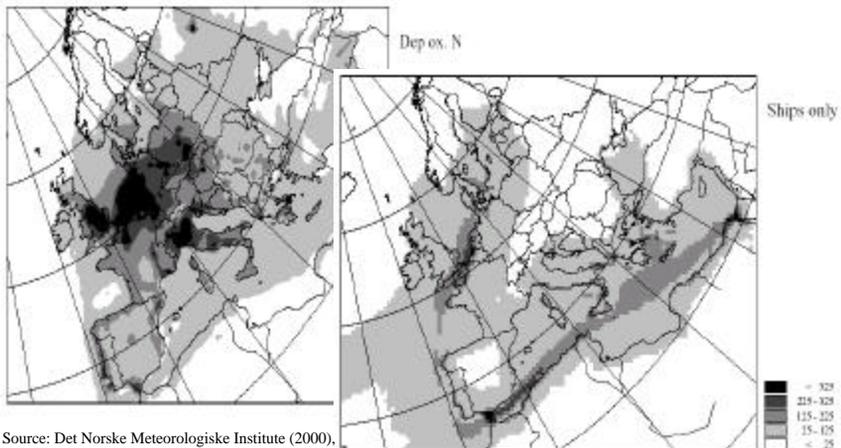


European Union Legislation
Affecting Marine Vessels and Ports



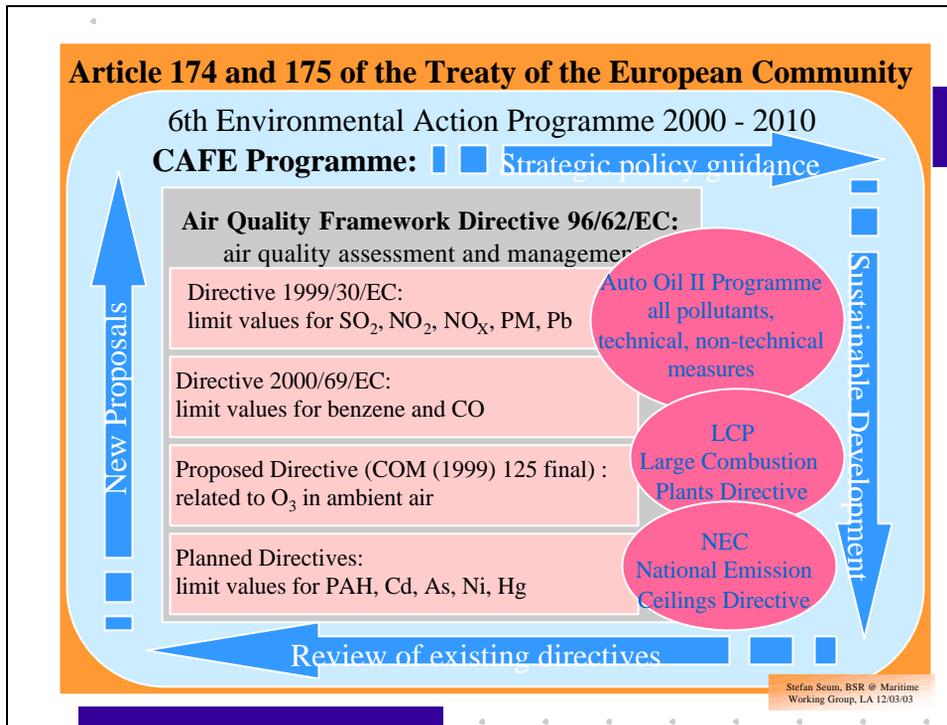
CARB Maritime Working Group
December 3, 2003,
presented by Stefan Seum

EMEP modeling



Source: Det Norske Meteorologiske Institute (2000),
Research Report No. 41: Effects of international
shipping on European pollution levels.

Stefan Seum, BSR @ Maritime
Working Group, LA 12/03/03



- ## EU DG Environment, Internet Addresses:
- European Commission:
http://europa.eu.int/comm/index_en.htm
 - DG Environment:
http://europa.eu.int/comm/environment/index_en.htm
 - DG Environment, Environment and Transport:
www.europa.eu.int/comm/environment/air/transport.htm#3
 - 6 EAP:
<http://europa.eu.int/comm/environment/newprg/index.htm>
 - CAFE:
<http://europa.eu.int/comm/environment/air/cafe/index.htm>
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Existing EU legislation affecting vessels

- 1994/63/EC on the control of volatile organic compounds (Commission is asked to extend directive to marine vessels)
- 1999/32/EC regulating the sulphur content in liquid fuels
- 2001/81/EC on national emission ceilings for certain atmospheric pollutants (Commission should advice on contribution by marine vessels)
- 2000/59/EC on waste reception facilities.
- 2002/62/EC banning TBT and other anti fouling paints.

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Documents mentioned:

- EC (2001): White Paper, European Transport Policy for 2010: time to decide, Luxemburg.
http://europa.eu.int/comm/energy_transport/en/lb_en.html
- BMT (2000): Study on the Economic, Legal, Environmental and Practical Implications of a European Union System to Reduce Ship Emissions of SO₂ and NO_x
- EC (2002): Quantification of emissions from ships associated with ship movements between ports in the European Community. ENTEC, U.K.
- EC (2002): Advice on the costs to fuel producers and price premia likely to result from a reduction in the level of sulfur in marine fuels marketed in the EU

<http://europa.eu.int/comm/environment/air/background.htm>

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Amendment of Sulfur Directive

COM (2002) 595 final, Volume I
A European Union strategy to reduce atmospheric emissions from seagoing ships, a Communication; and

COM (2002) 595 final, Volume II
Proposal for a Directive of the European Parliament and the European Council amending Directive 1999/32/EC as regards the sulfur content of marine fuels
<http://europa.eu.int/eur-lex/en/com/pdf/2002/act0595en01/2.pdf>

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COM (2002) 595 final, core elements

- 1.5% sulfur limit for all vessels in the North Sea, English Channel and Baltic Sea
- 1.5% sulfur limit for all passenger vessels regularly calling at EU ports by 2007
- 0.2% sulfur limit whilst in EU ports (0.1% in 2008)
- 1.5% sulfur HFO made available by all member states
- Remove the 0.2% limit for DMB and DMC grades, ban sale with >1.5% sulfur DMB and DMC and DMA and DMX with >0.2% sulfur

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EU Research Activities on Marine Vessel Emissions

- MARTOB on feasibility and cost of the new sulfur Directive
<http://www.marinetech.ncl.ac.uk/research/martob/>
- SEAM on technologies
<http://www.mettle.org/seam/>
- LIFETIME on engine optimization and
SMOKERMEN on visible smoke reduction
<http://www.lme.naval.ntua.gr/research/rtd/rtd.htm>

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Thank you for your time

Since December with new responsibilities:

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Responsible for example for BSR's Green Cargo Program

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