

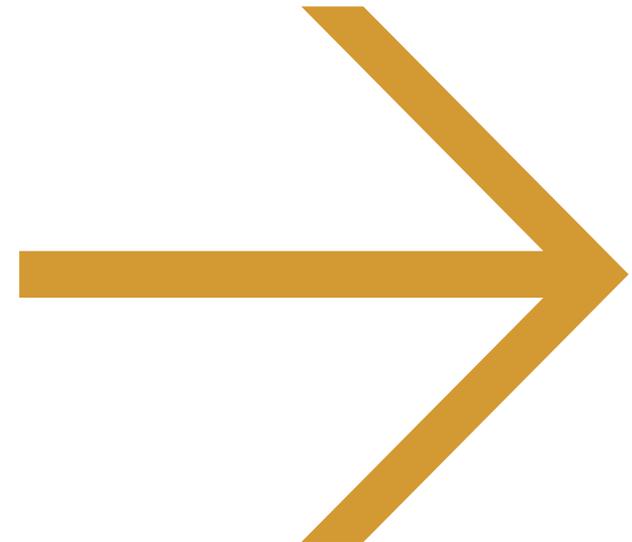
# Euro VI Heavy Duty

Rob Cuelenaere

International Negotiator Traffic Emissions

Ministry of Environment, The Netherlands

AECC Seminar, Brussels, 25 October 2007





# Air Quality and Euro VI

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Meeting  
Air Quality Standards and NEC

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EU Emission Control Measures



# EURO VI

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**Maximize Impact on 2015  
NO<sub>2</sub> hotspots**

**=**

**As Soon As Possible**

**=**

**Euro V + 3 yr**



Convinced?

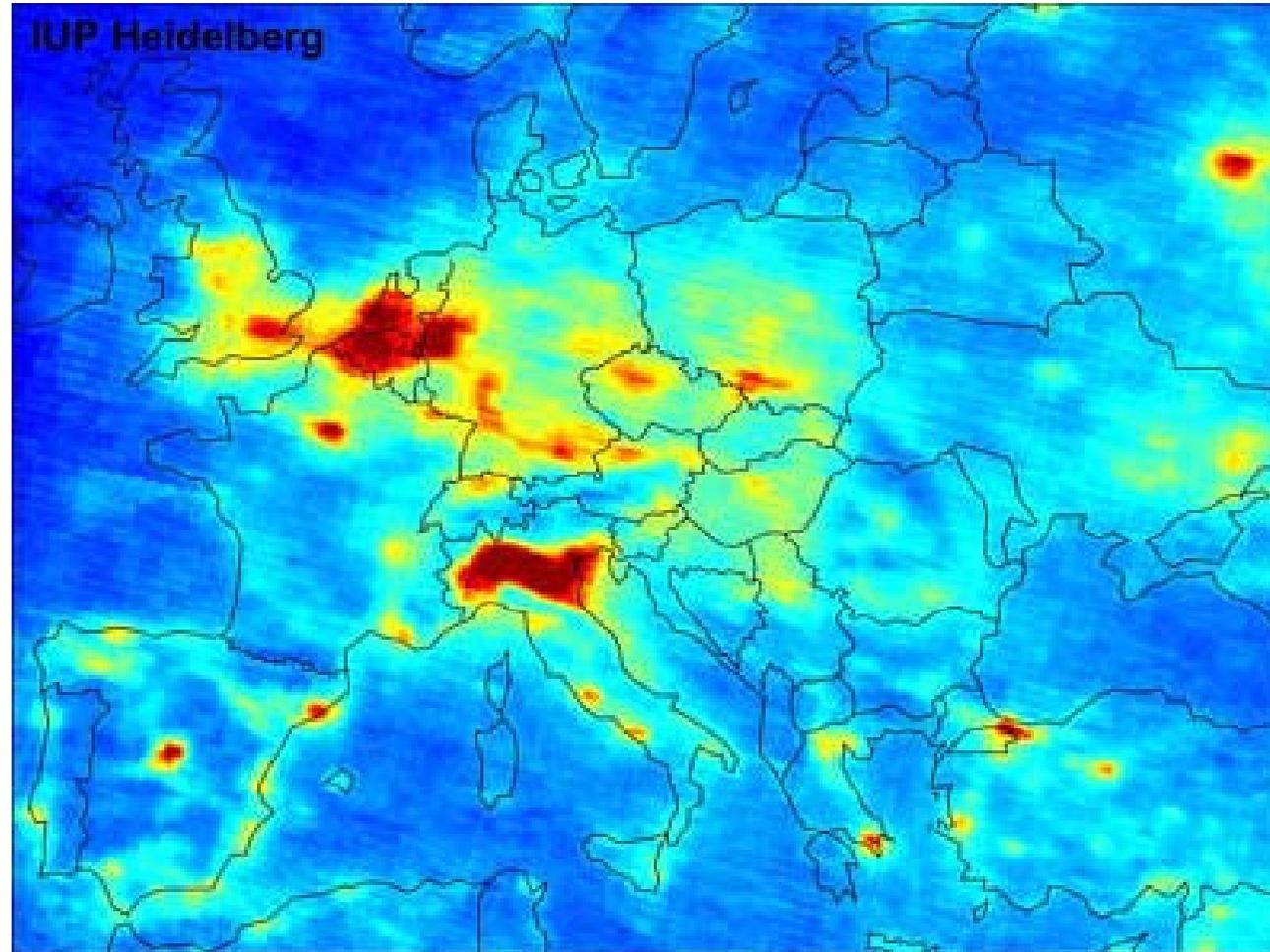


# NL: special case?



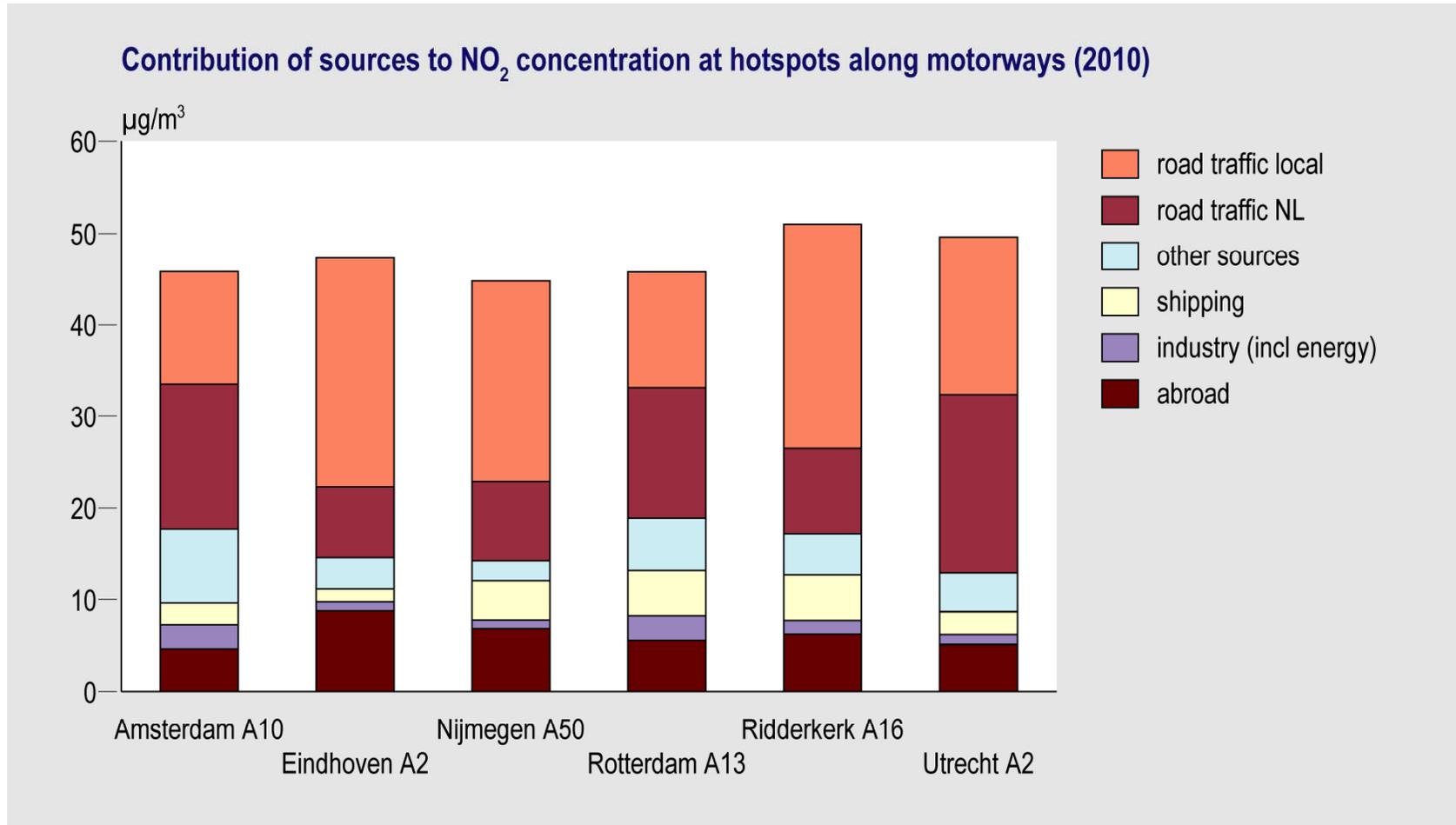


# NO<sub>2</sub> concentrations





# Road traffic and NO<sub>2</sub> concentrations

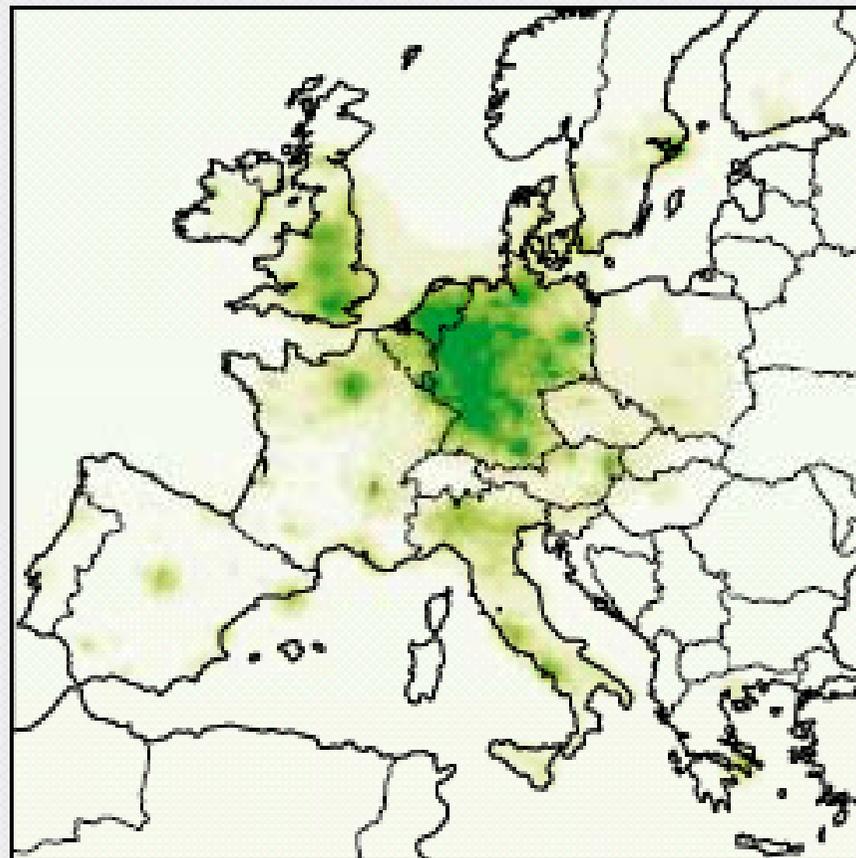


Netherlands Environmental Assessment Agency

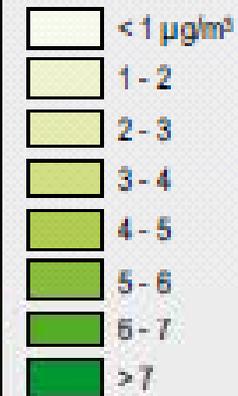


# Euro Standards: Very Effective

Berekend effect op NO<sub>2</sub>-concentratie van EU-bronbeleid bij verkeer tussen 1990 en 2003



Afname door beleid

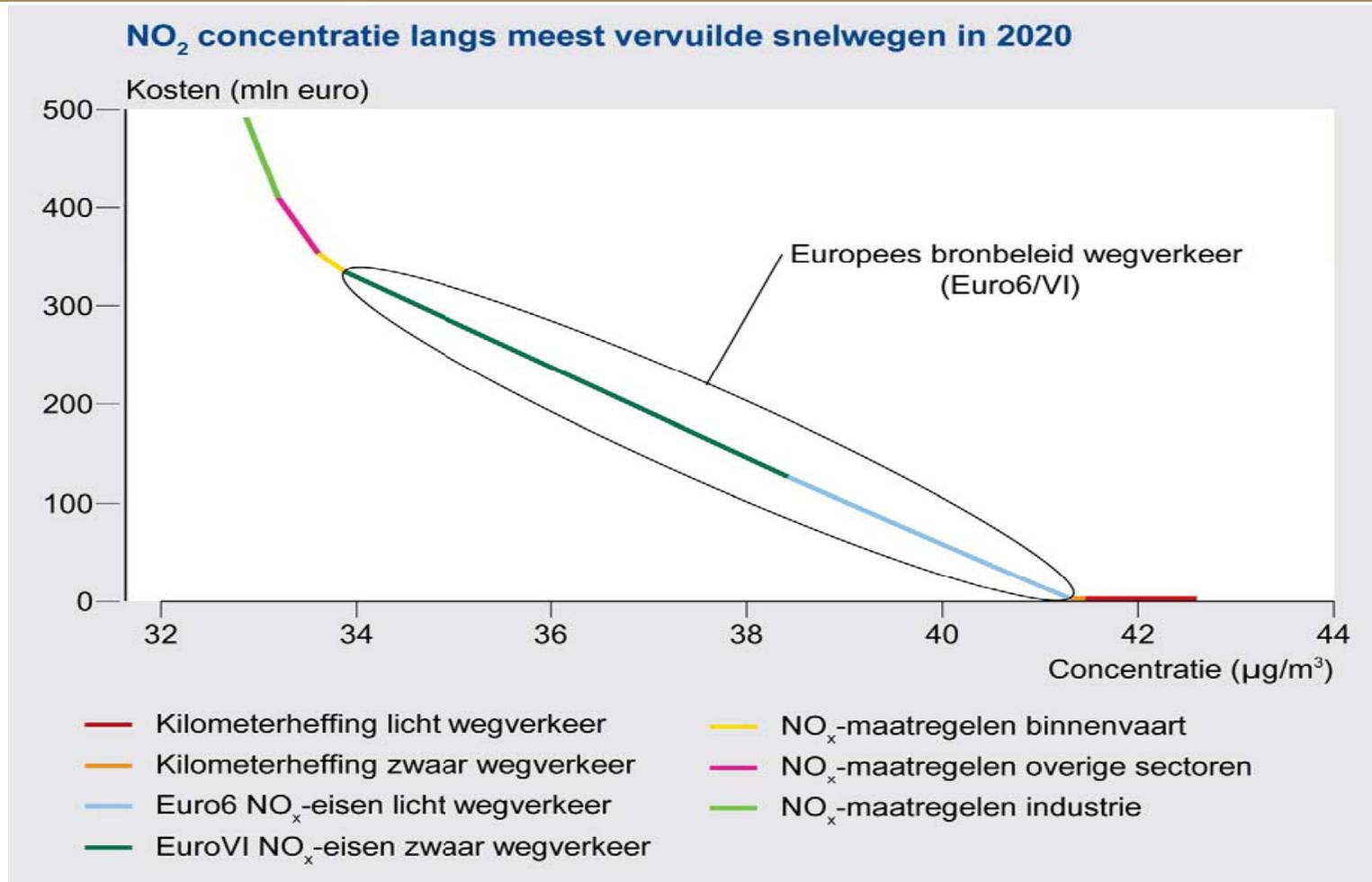


Netherlands  
Environmental  
Assessment  
Agency,

Milieubalans 2007

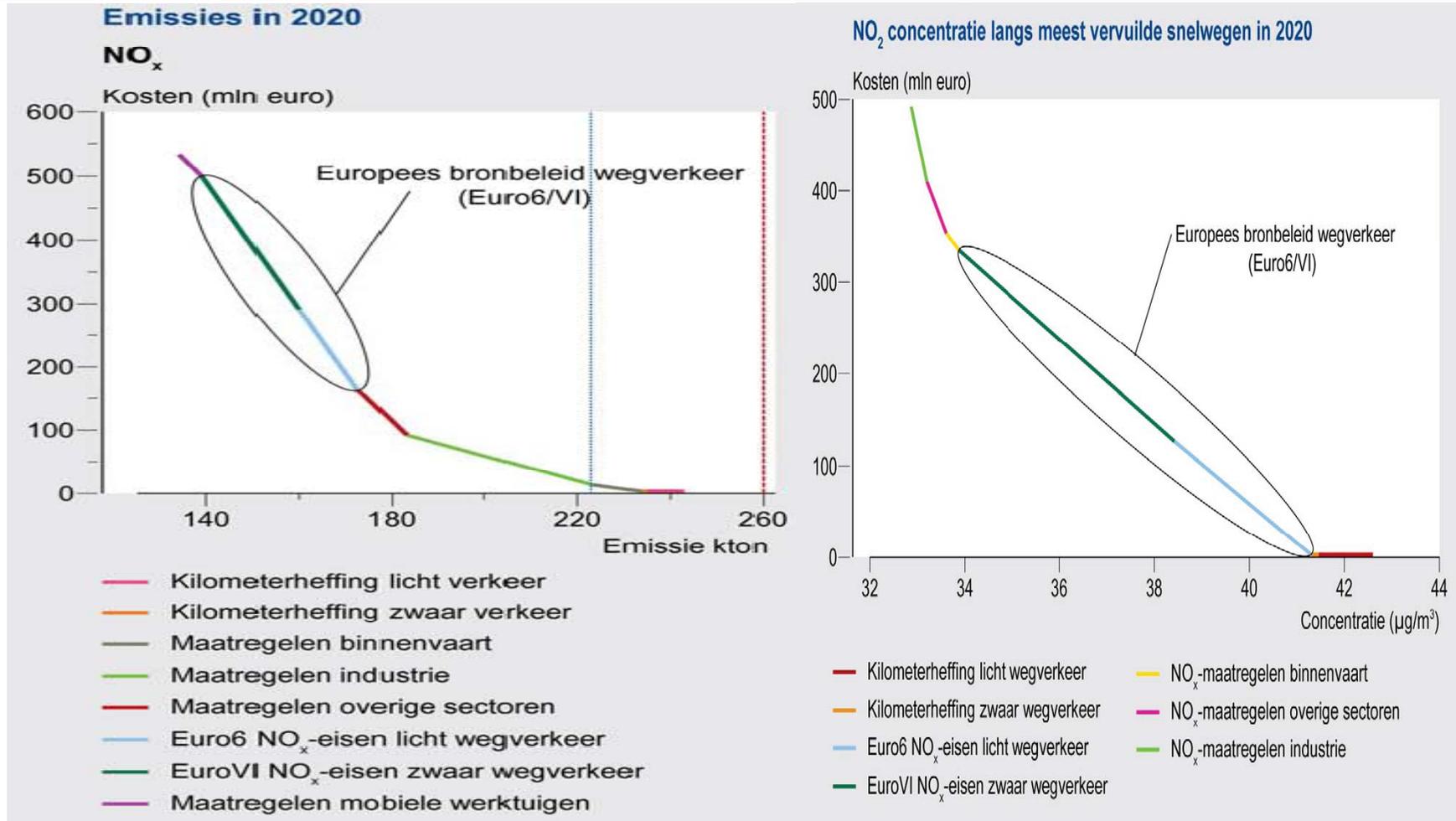


# Euro Standards: Very Cost-Effective



Netherlands Environmental Assessment Agency, 2007 (report 500091001)

# → Euro Standards: Very Cost-Effective (2)



Netherlands Environmental Assessment Agency, 2007 (report 500091001)



## Hot Spot Problem

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Don't make Euro 5 LD mistake again.

Primarily assess NO<sub>2</sub> as a hot spot problem, not as an emission reduction problem.

If assessed as a hot spot problem:

Euro VI among most effective and  
cost-effective measures



**EURO VI = Euro V + 3 yr.**

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**Necessary?**



# EURO VI = Euro V + 3 yr Necessary?

Hot spots: gradual decrease, but too slow

	Highways	City roads
2010	400 km	Index = 100
2015	125 km	-50%

Note: rough estimations, pipeline policy included



# EURO VI = Euro V + 3 yr Necessary?

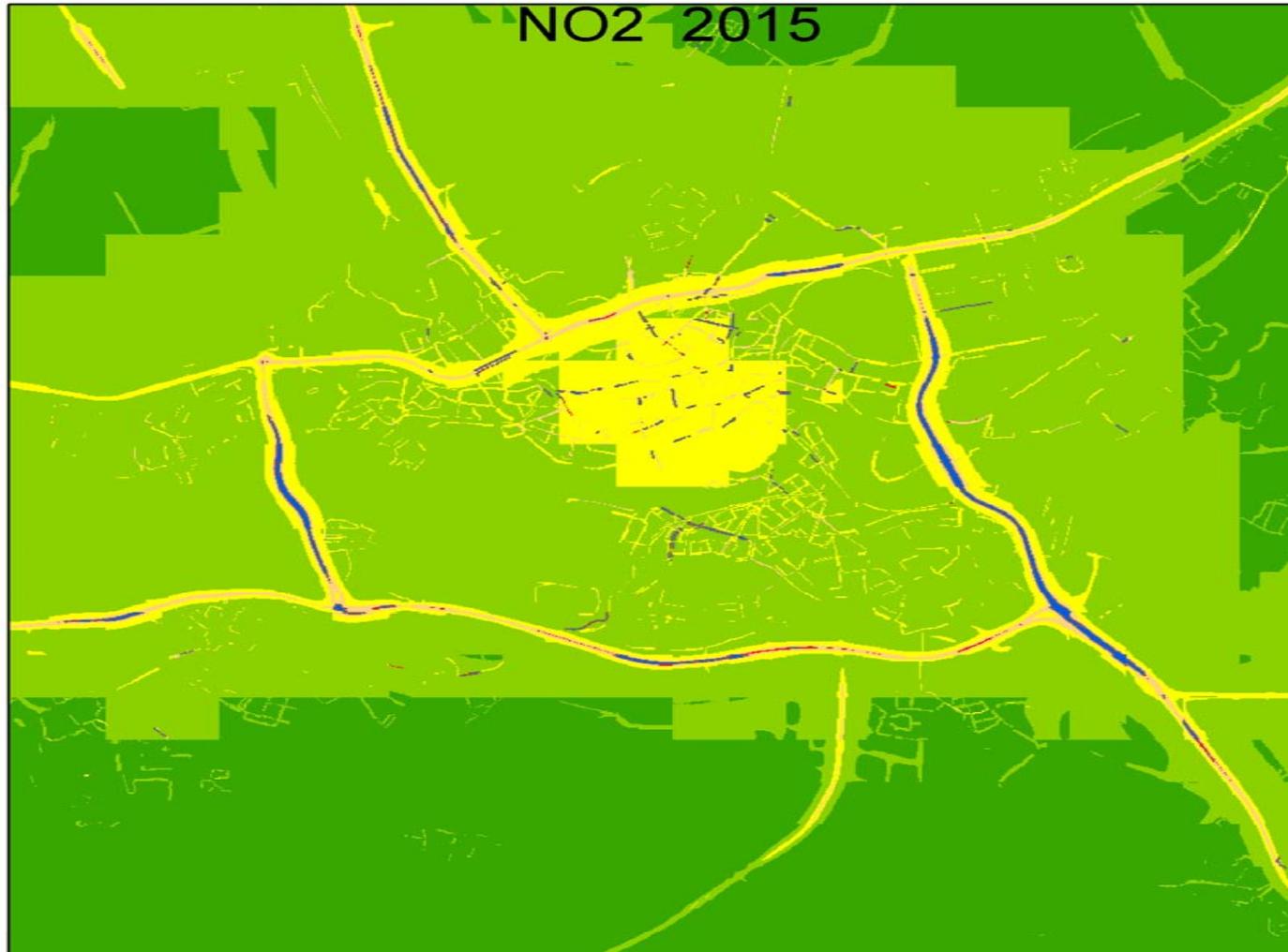
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1 Euro VI model year:  
NO<sub>2</sub> concentration: -0.7 µg/m<sup>3</sup>  
highways: -15 km  
city roads: -10%

EU-limit value 2015: 40 µg/m<sup>3</sup>  
Average hotspot: 43 µg/m<sup>3</sup>



# EURO VI = Euro V + 3 yr Necessary?





**EURO VI = Euro V + 3 yr.**

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**Feasible?**



# EURO VI = Euro V + 3 yr. Feasible?

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Technology available

- Euro 5
- US-2010

Challenge:

- Integration
- Strength EU manufacturers



**EURO VI = Euro V + 3 yr.**

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**Thank you**