

Utrecht on its way to a healthy and sustainable city

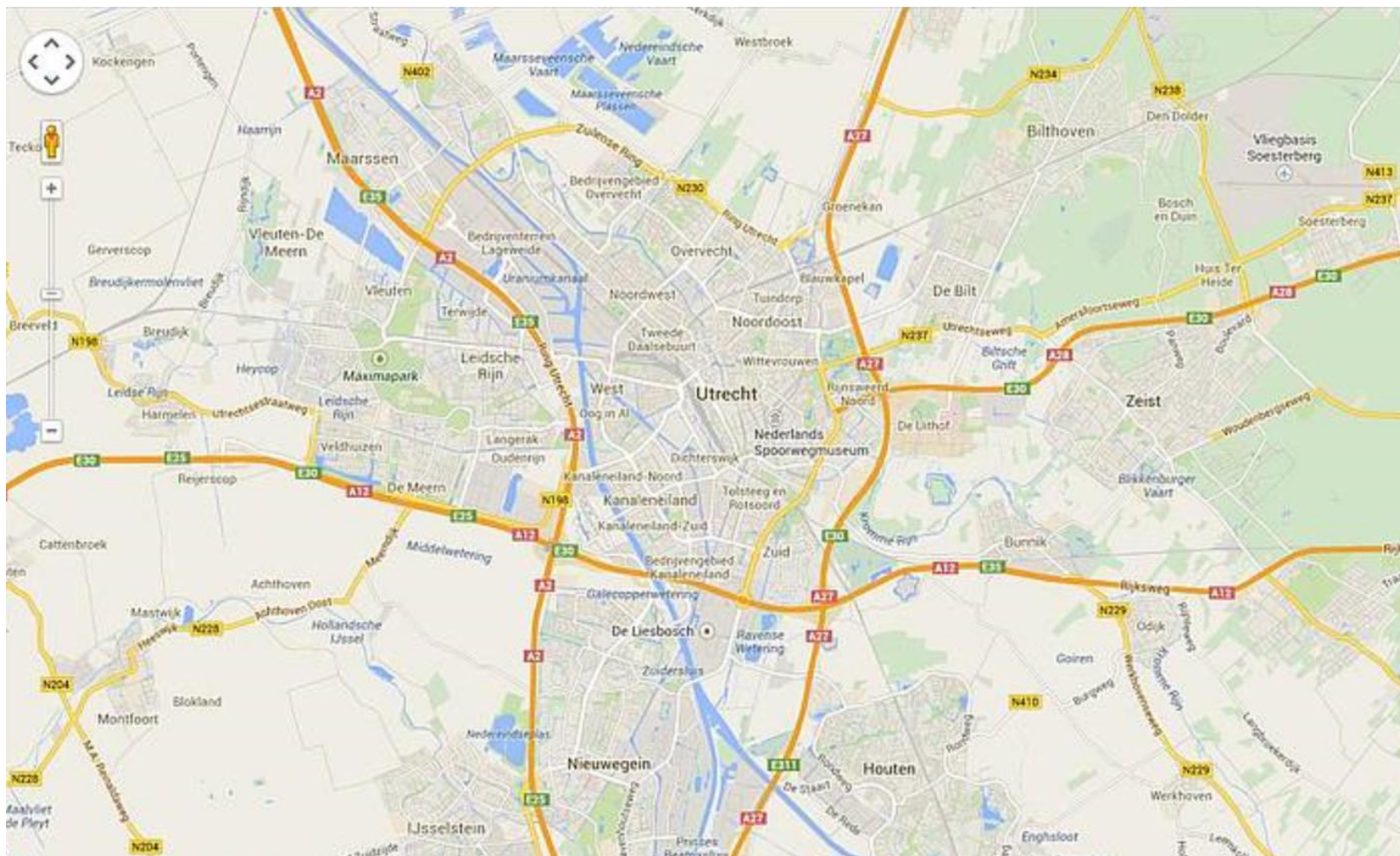


27-11-2019

Air Quality in Utrecht, Wiet Baggen



Gemeente Utrecht



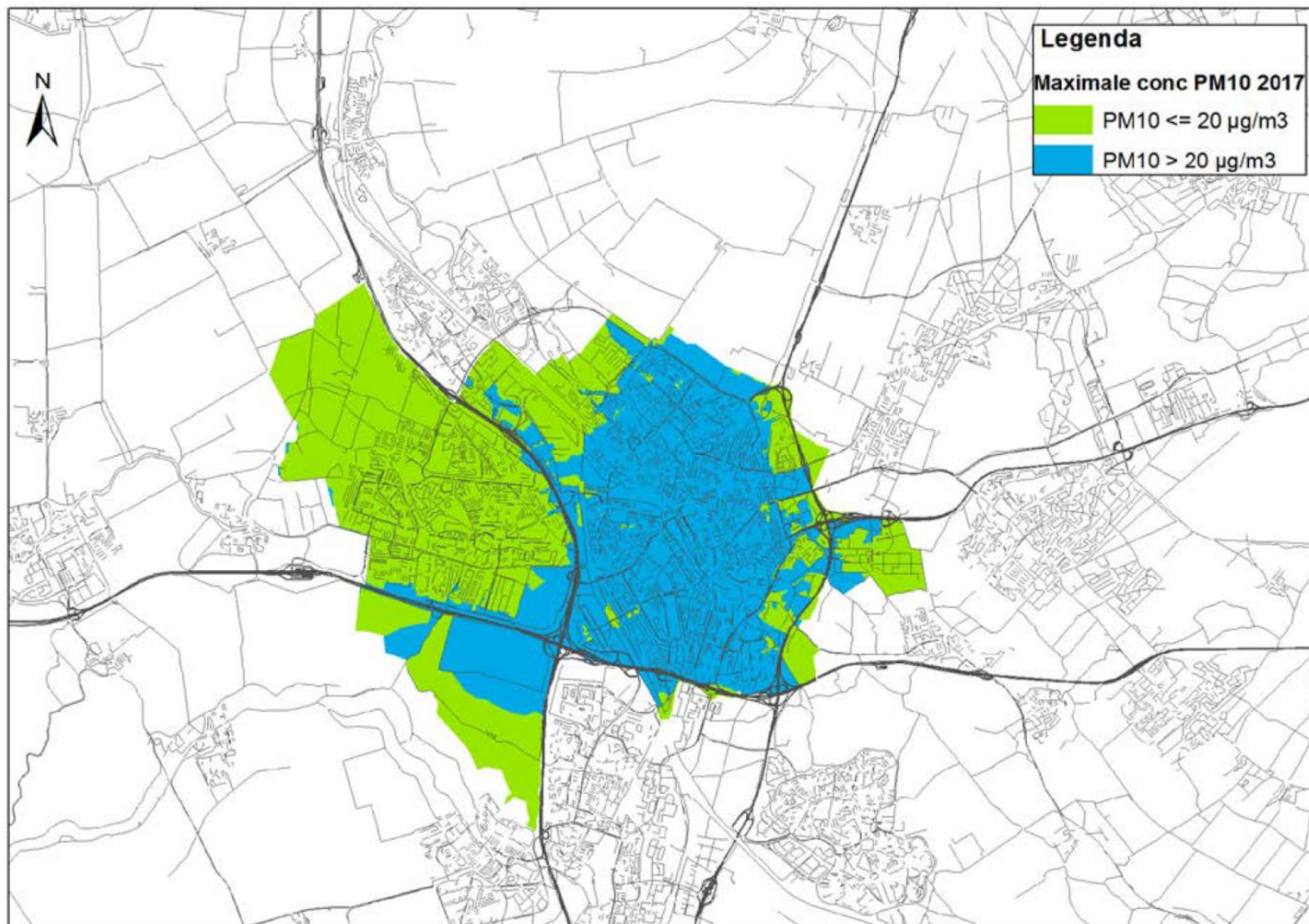
Anno 2019

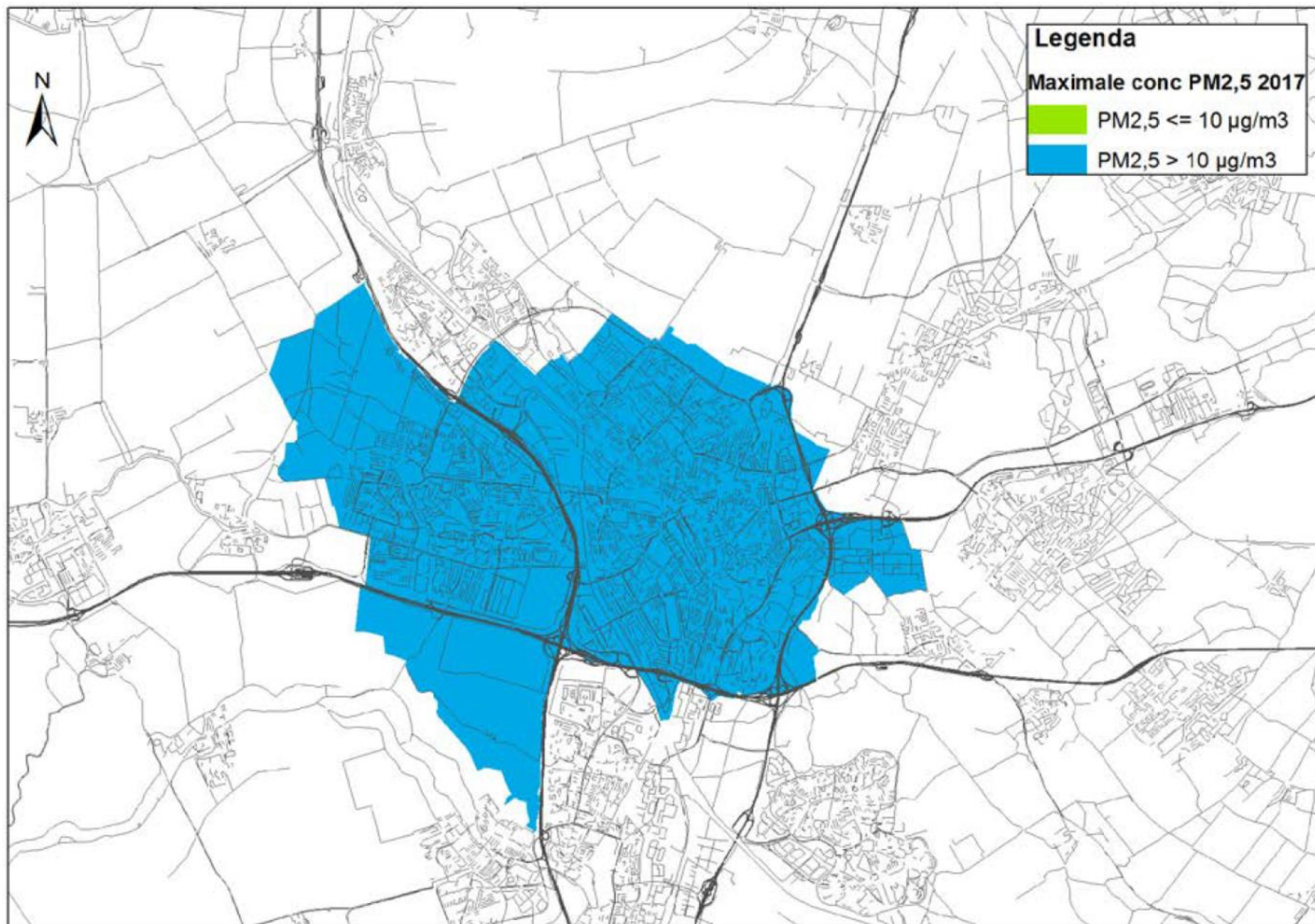
Concentrations are below EU-limits for NO_2 and PM_{10} , $\text{PM}_{2,5}$

For PM_{10} and $\text{PM}_{2,5}$ the concentrations are higher than WHO-limits



e Utrecht





2015: the city council has adopted a motion in which the municipal executive is instructed to continuously improve air quality and to strive for the WHO-limits

Preparing new measures to improve air quality

The public health institute made an inventory of all the emission sources in Utrecht

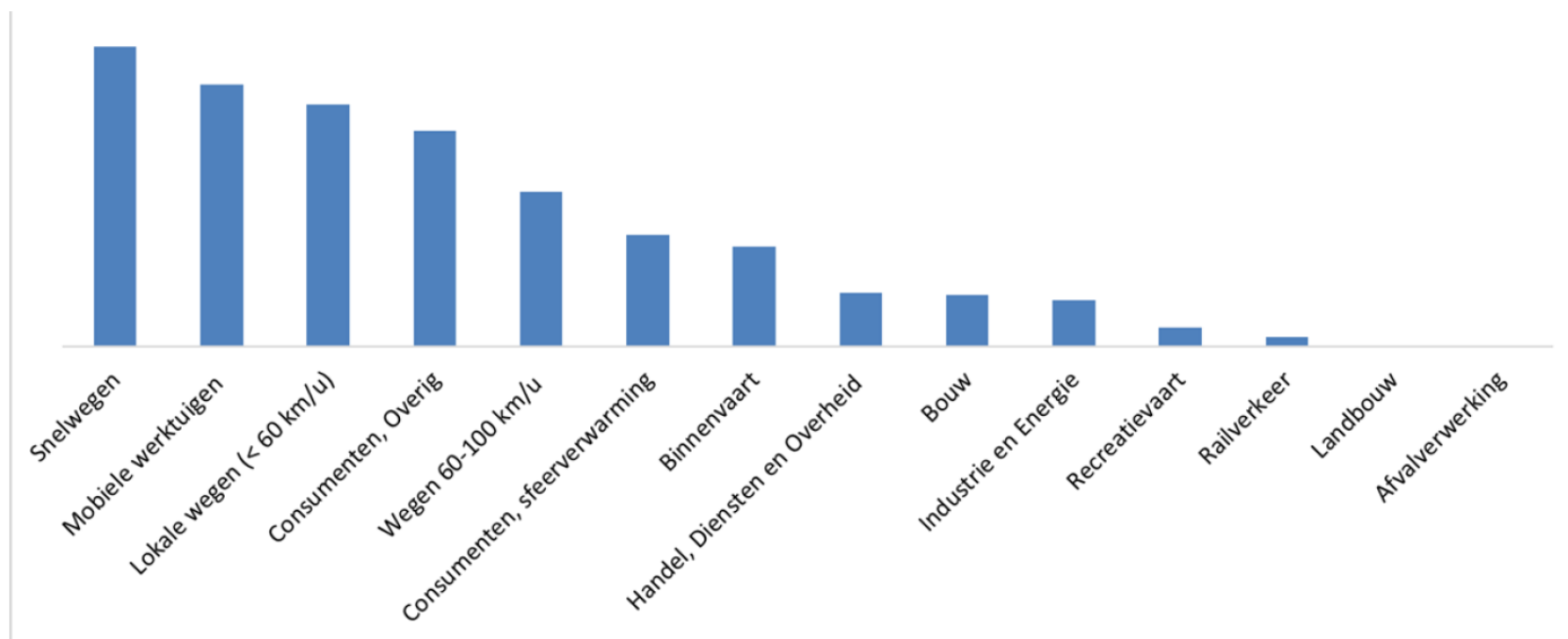
Modelled the sources in quadrants of 250*250 m, instead of 1*1 km

And then calculated the concentrations in the different neighbourhoods in the city

With the outcome we can see which are the main sources in Utrecht



Top 10 sources unhealthy air in Utrecht





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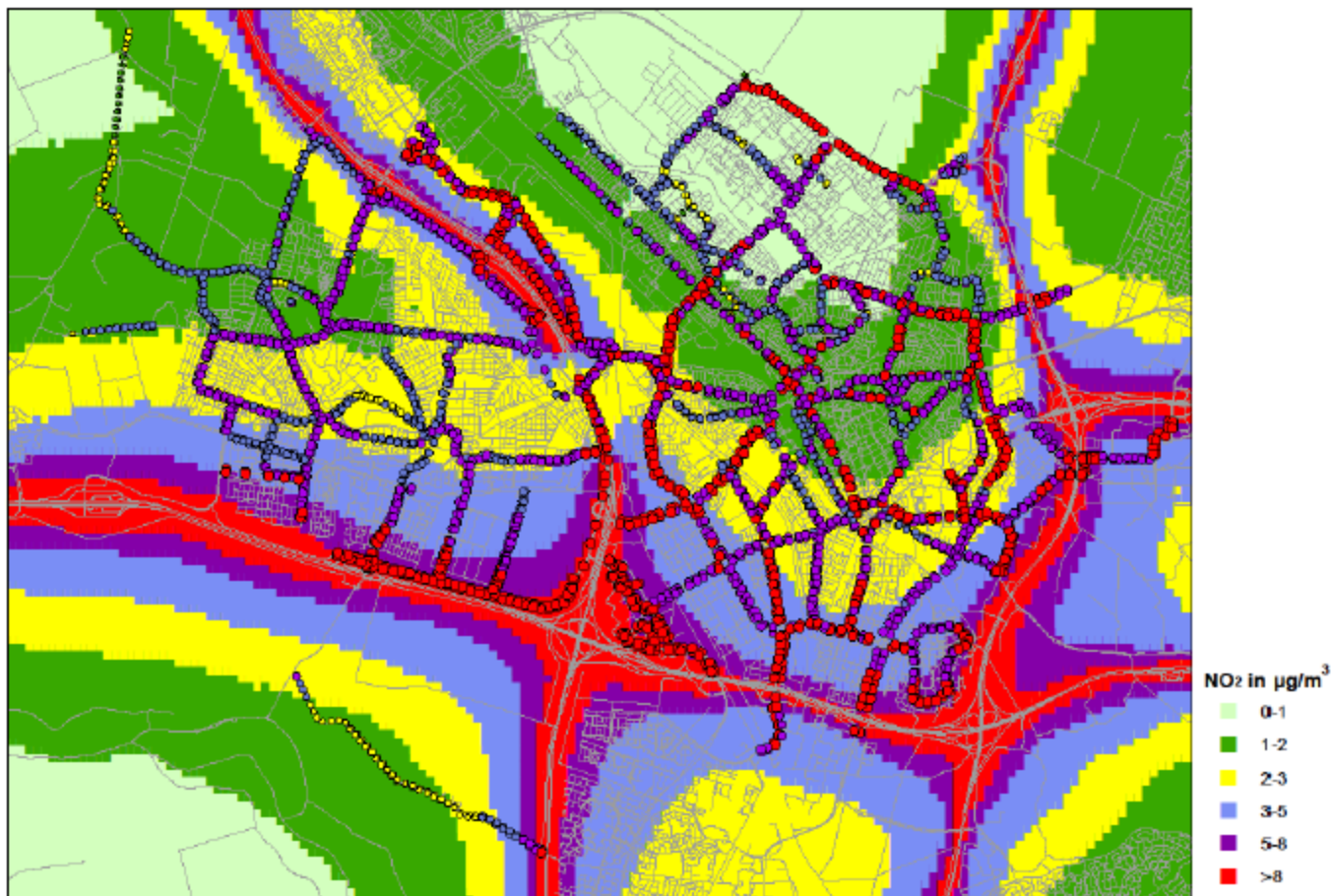
Top 10 sources of unhealthy air – Utrecht

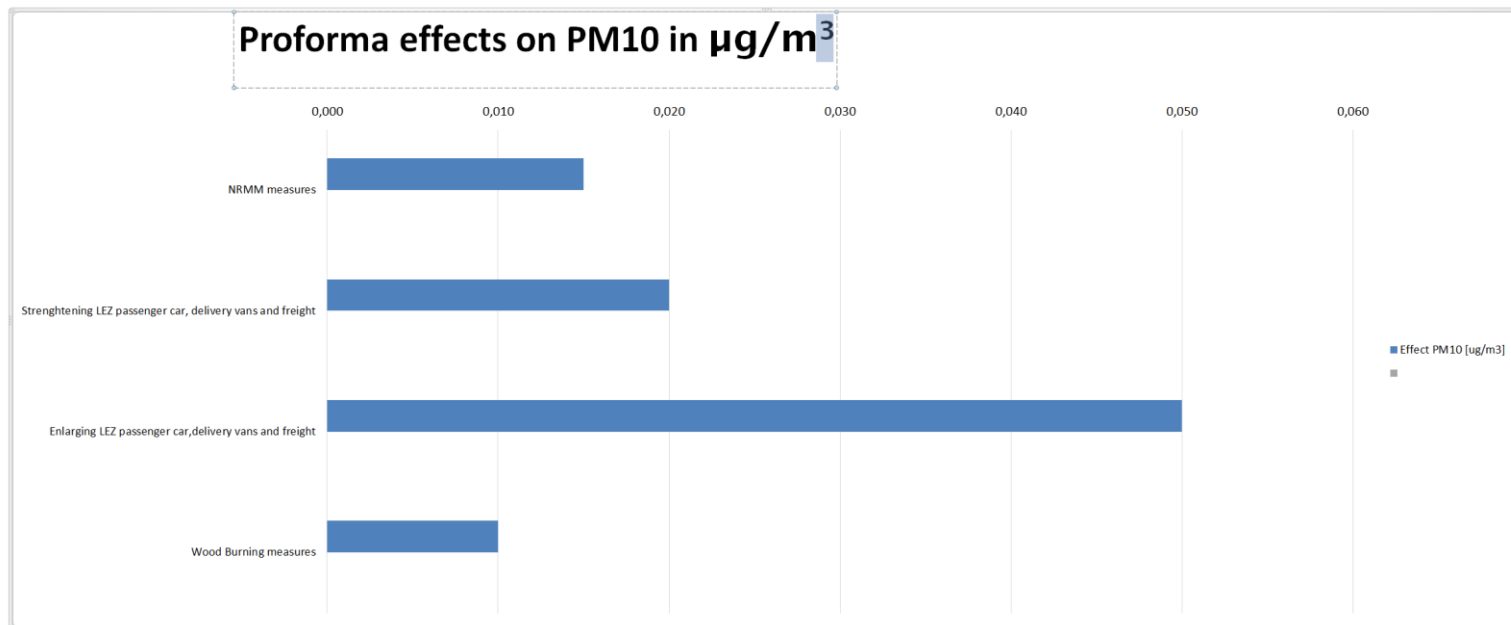
[based on NO₂, PM₁₀, PM_{2,5}, EC, overall city]

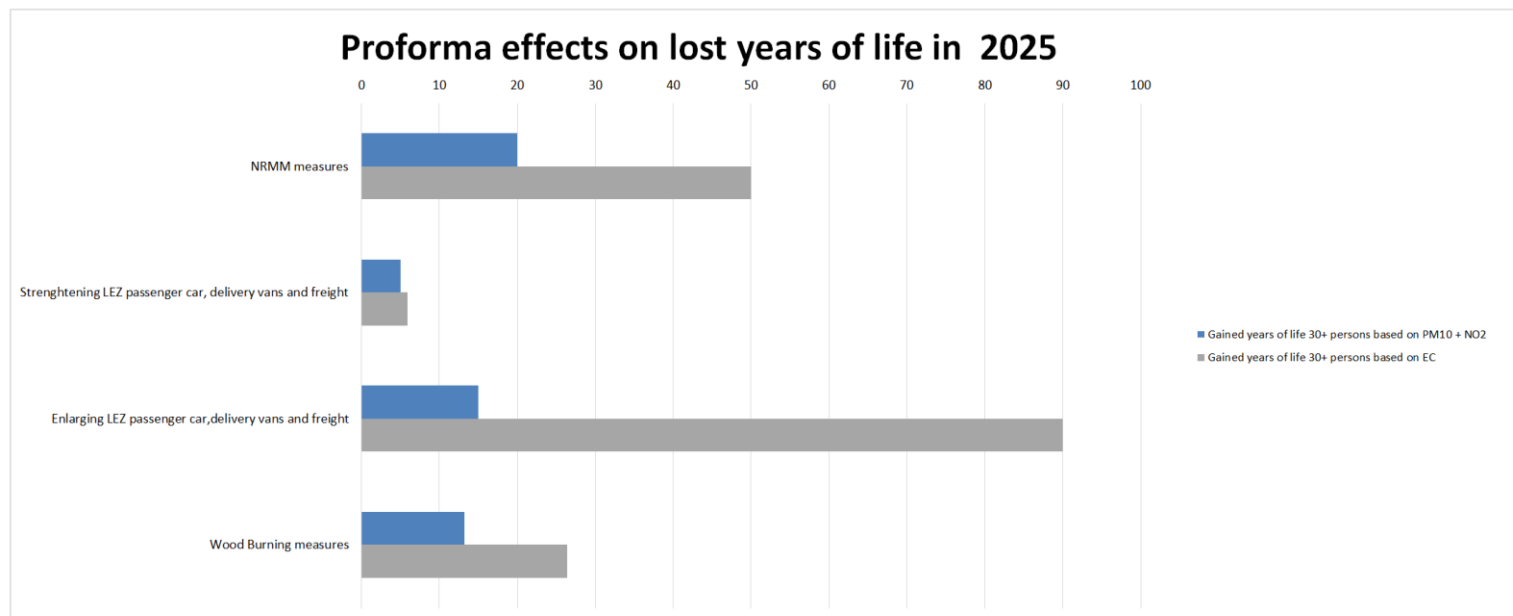
Highways	Wood Burning
NRMM	Inland Shipping
Local Ways	<i>HDO, heating</i>
<i>Consumers/heating</i>	<i>Building sector, production</i>
Ways 60–100 km/h	Industry, Energy

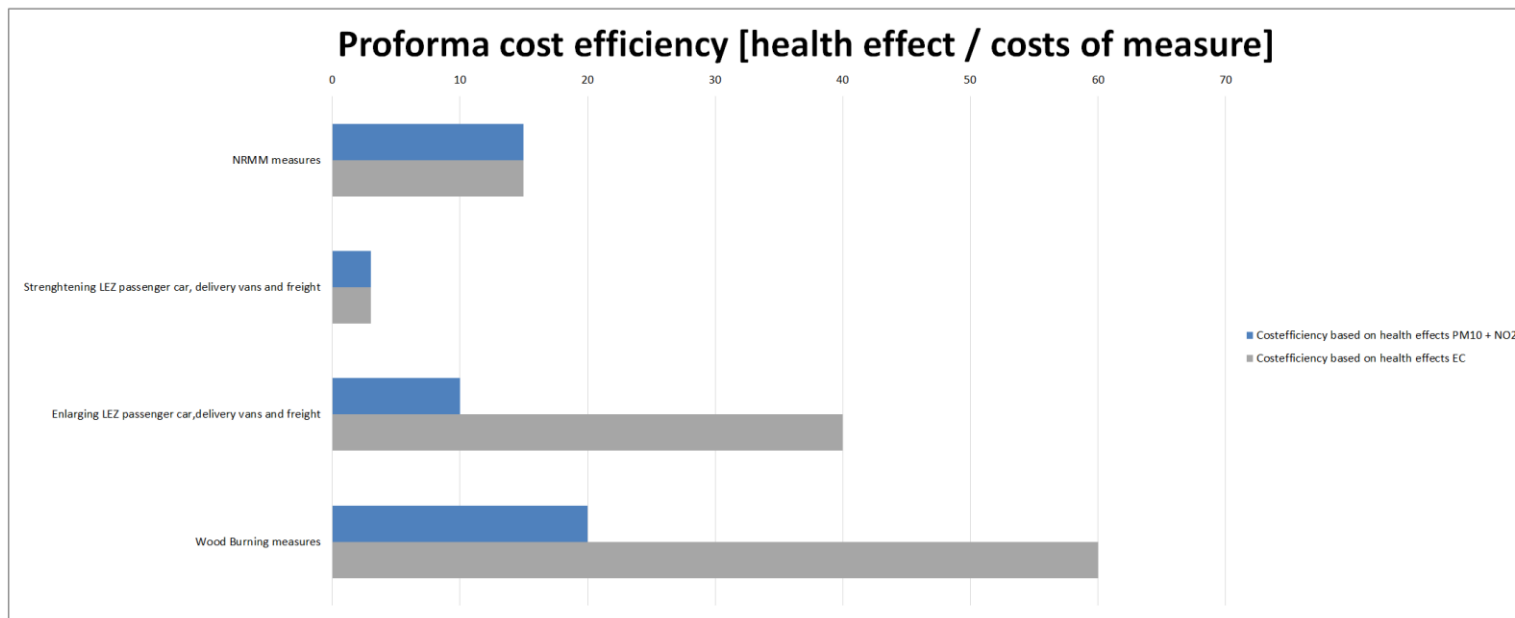
NO₂ effect traffic on concentration

Totale verkeersbijdrage NO₂ in 2015











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Questions?

