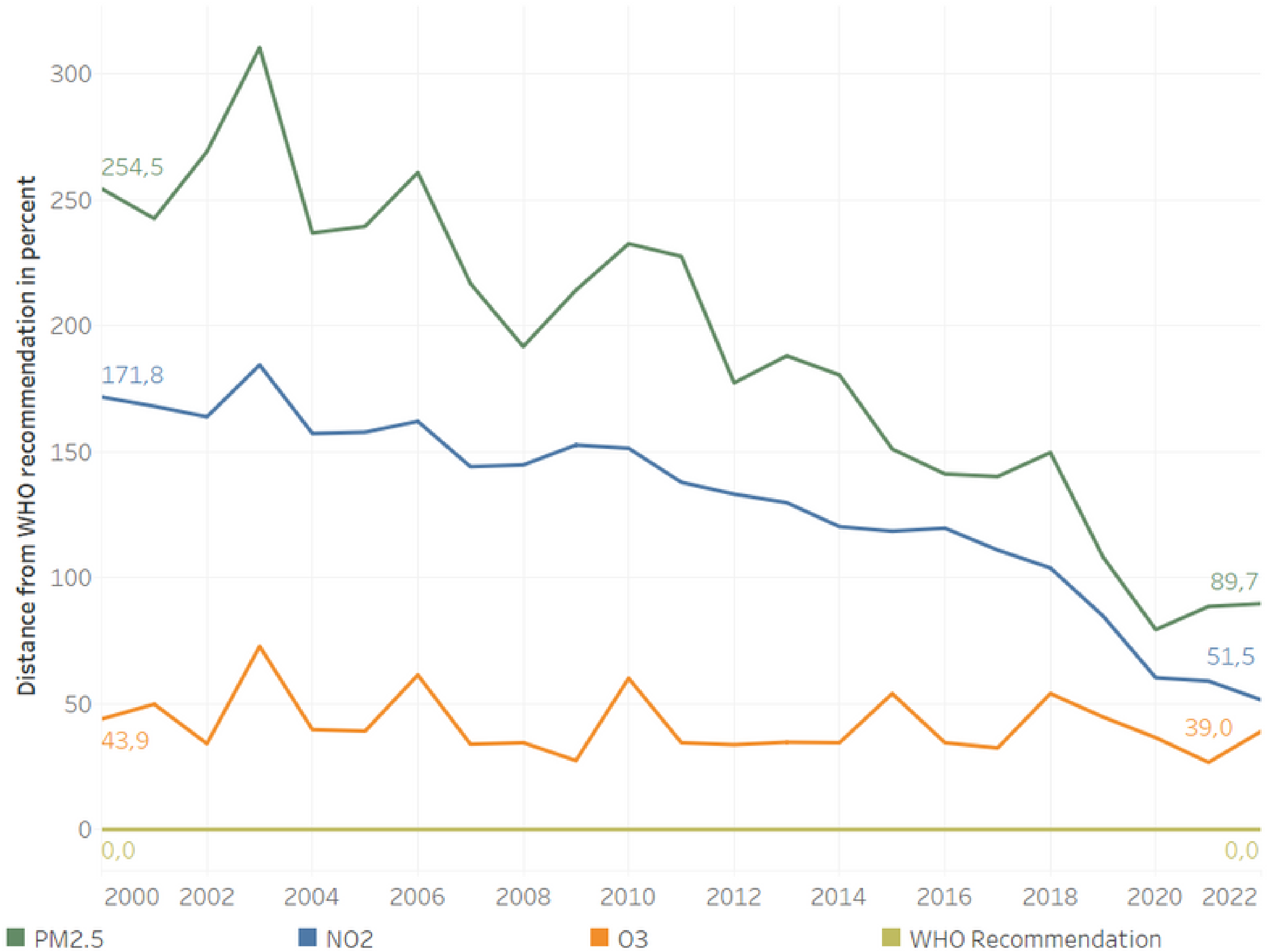


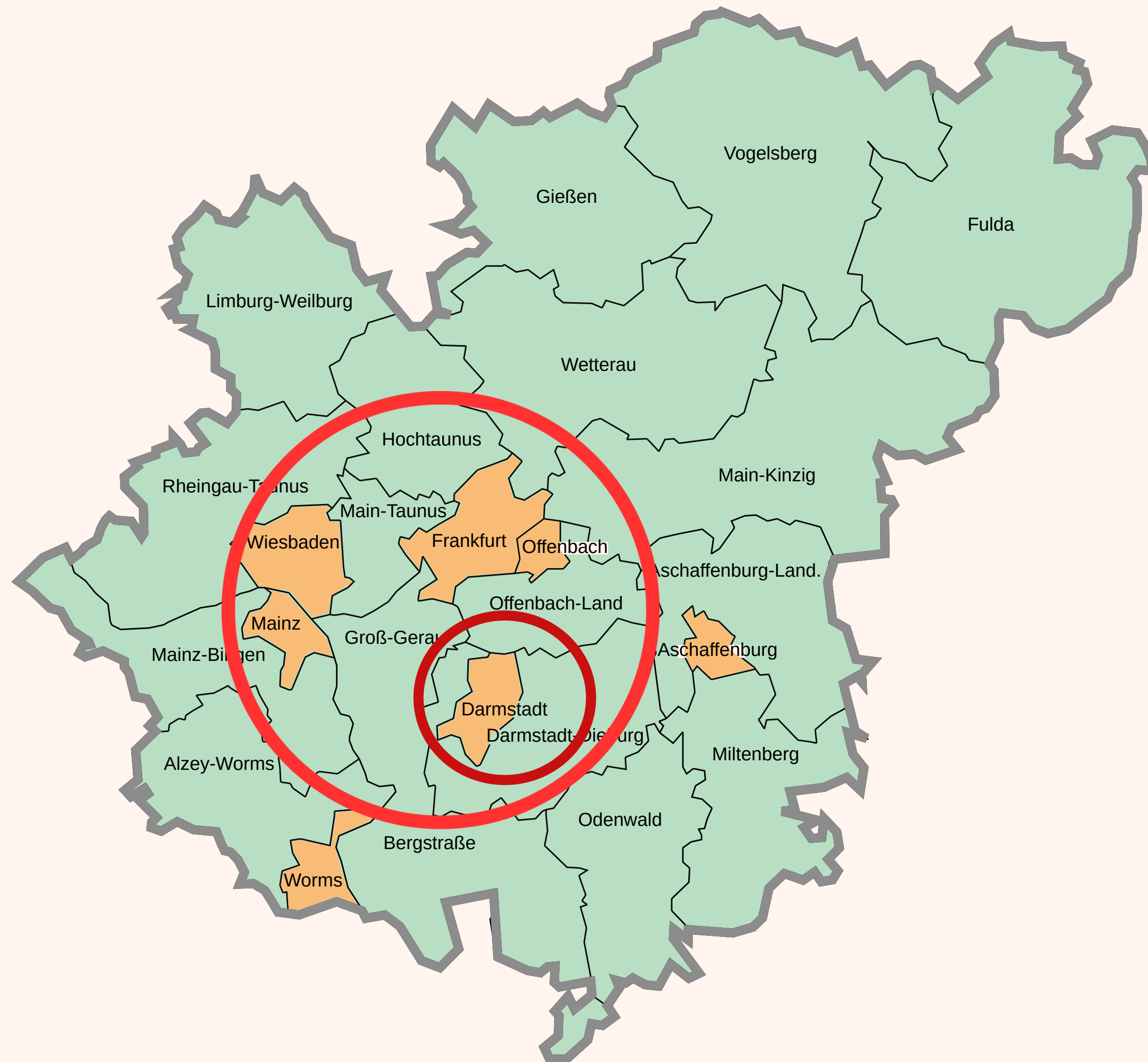
driving change



Cathrin Rahn

a data-driven strategy for minimizing diesel bans





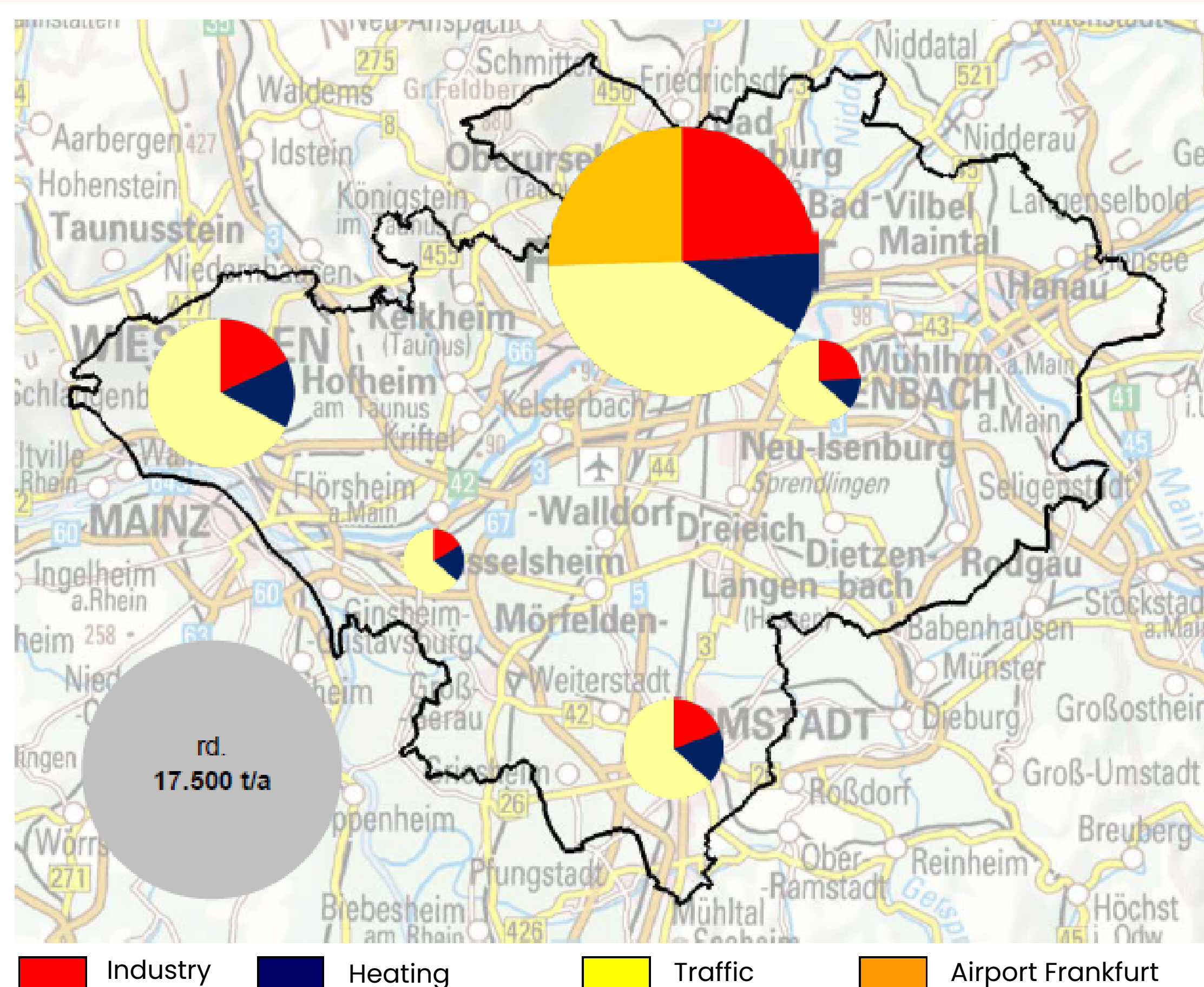
49%

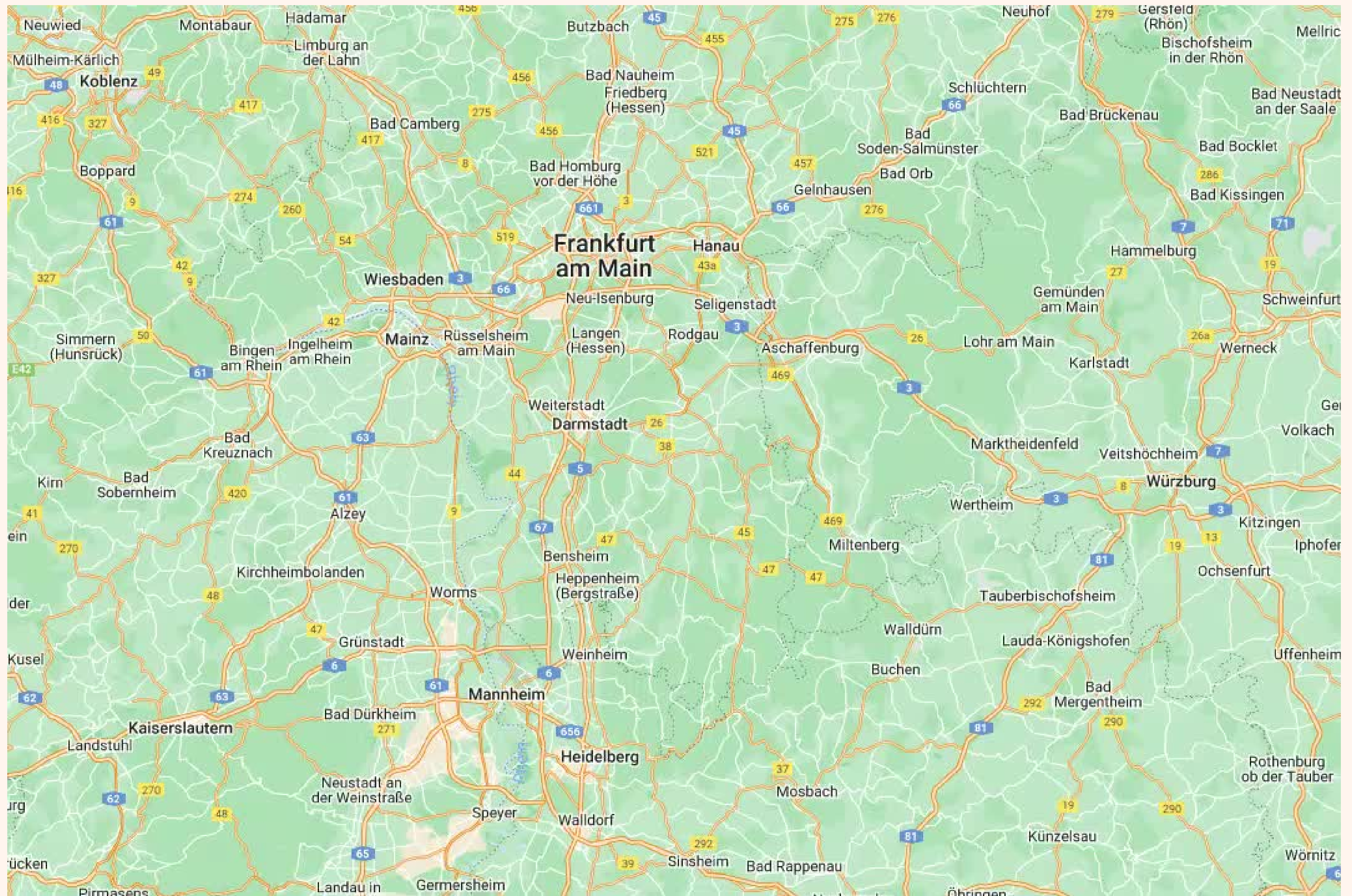
of **particulate emissions**
were caused by the
transport sector in 2021

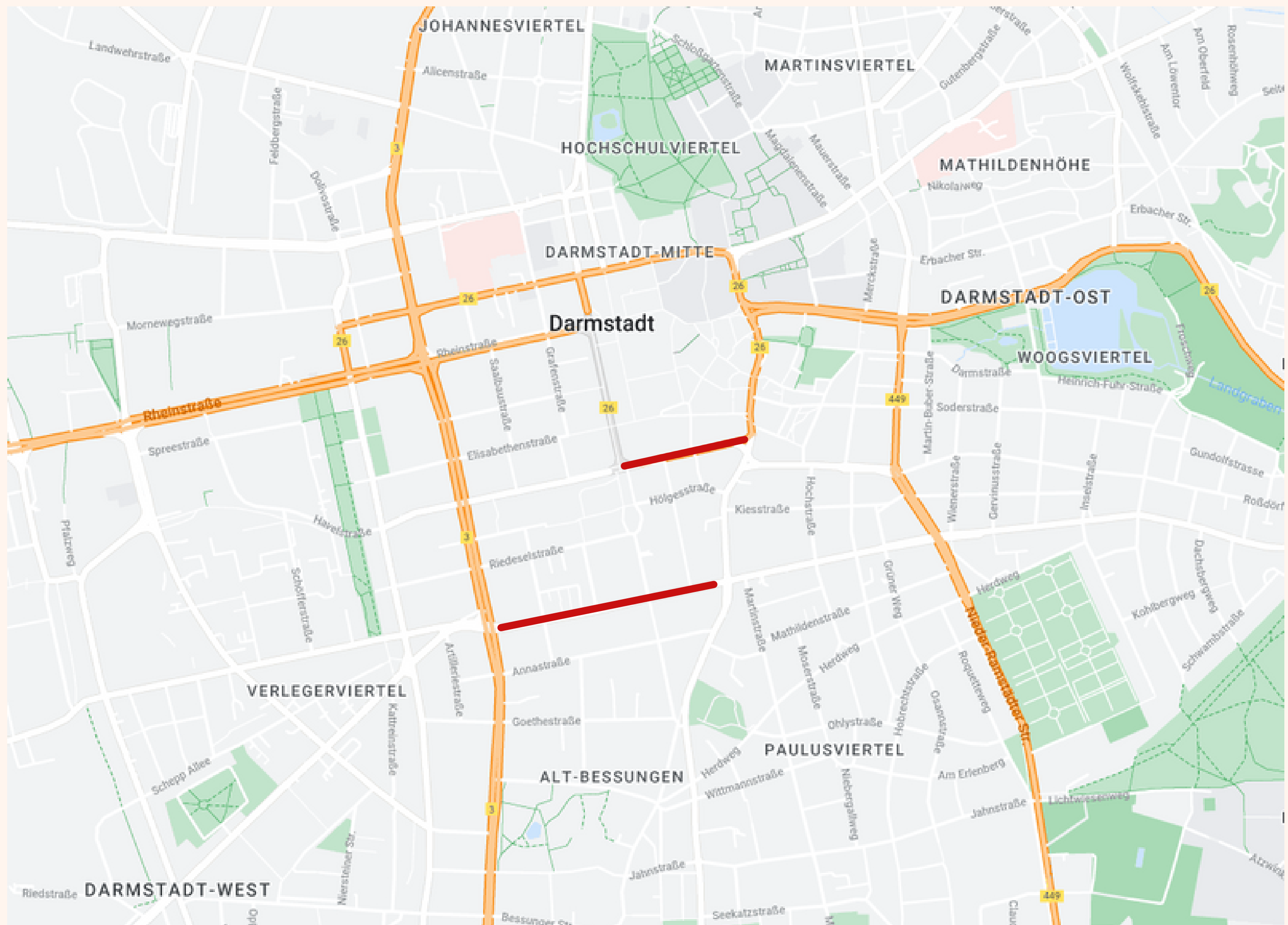
37%

of **nitrogen dioxide emissions**
were caused by the **transport**
sector in 2021

Distribution of NOx emissions



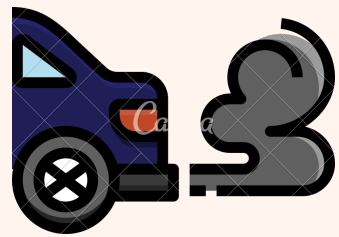






Weather data

- e.g. wind, temperature, precipitation
- 01/2018 – 09/2023
- 30-minute intervals



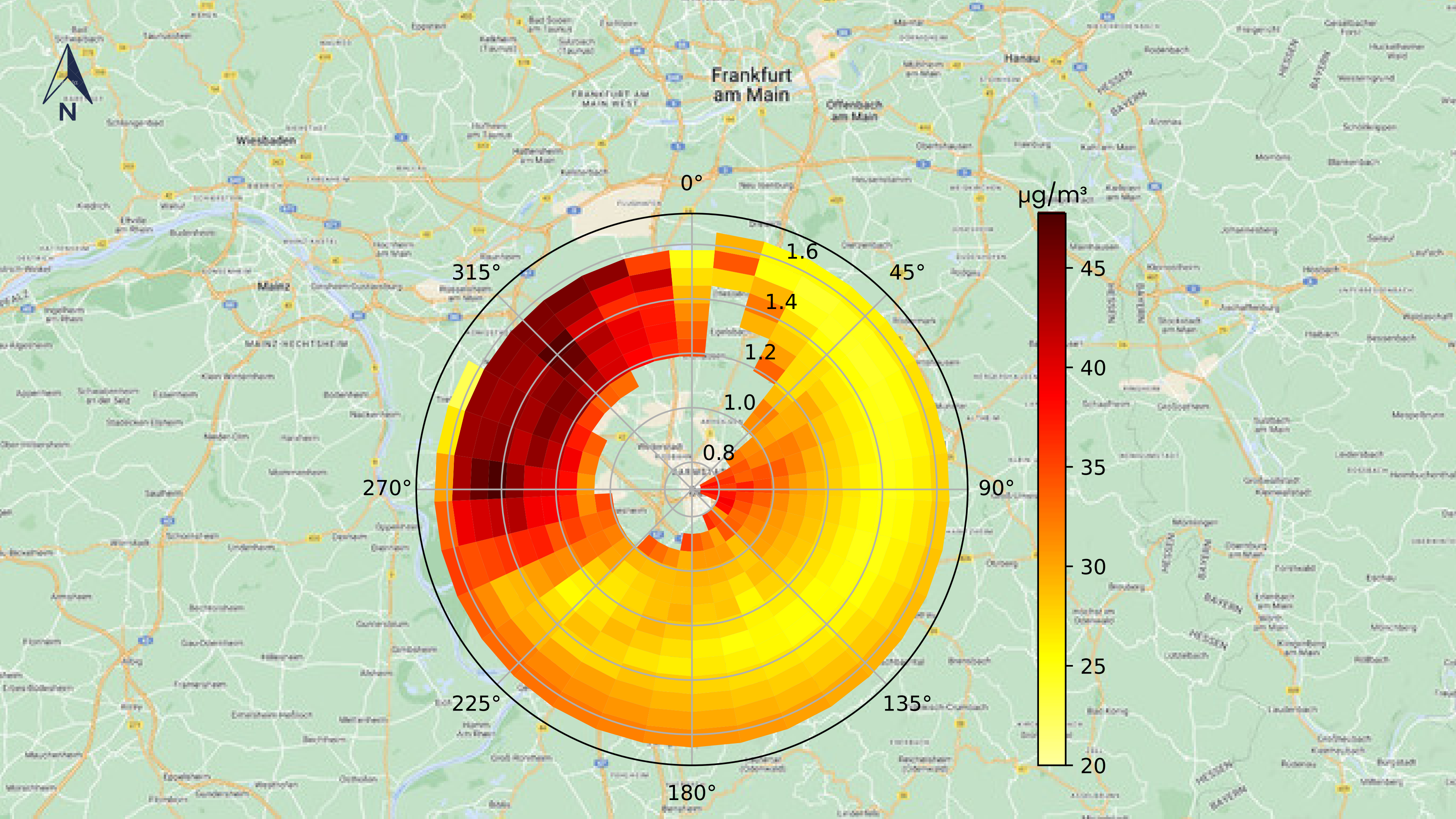
Emission data

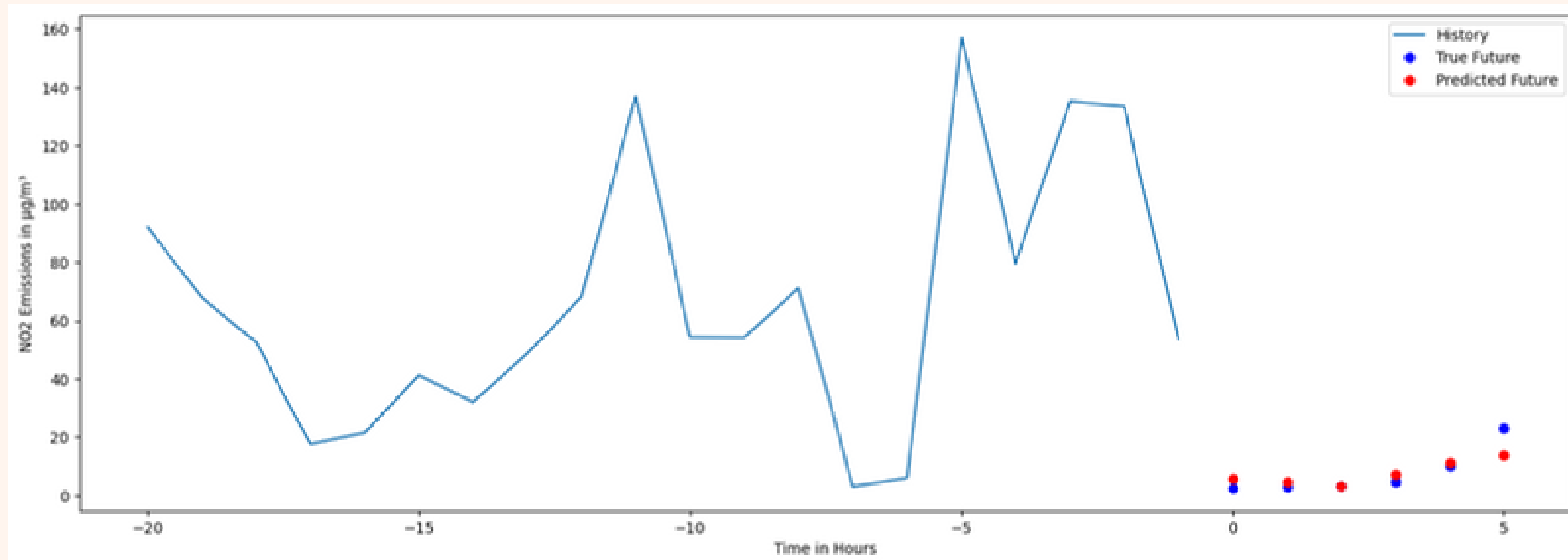
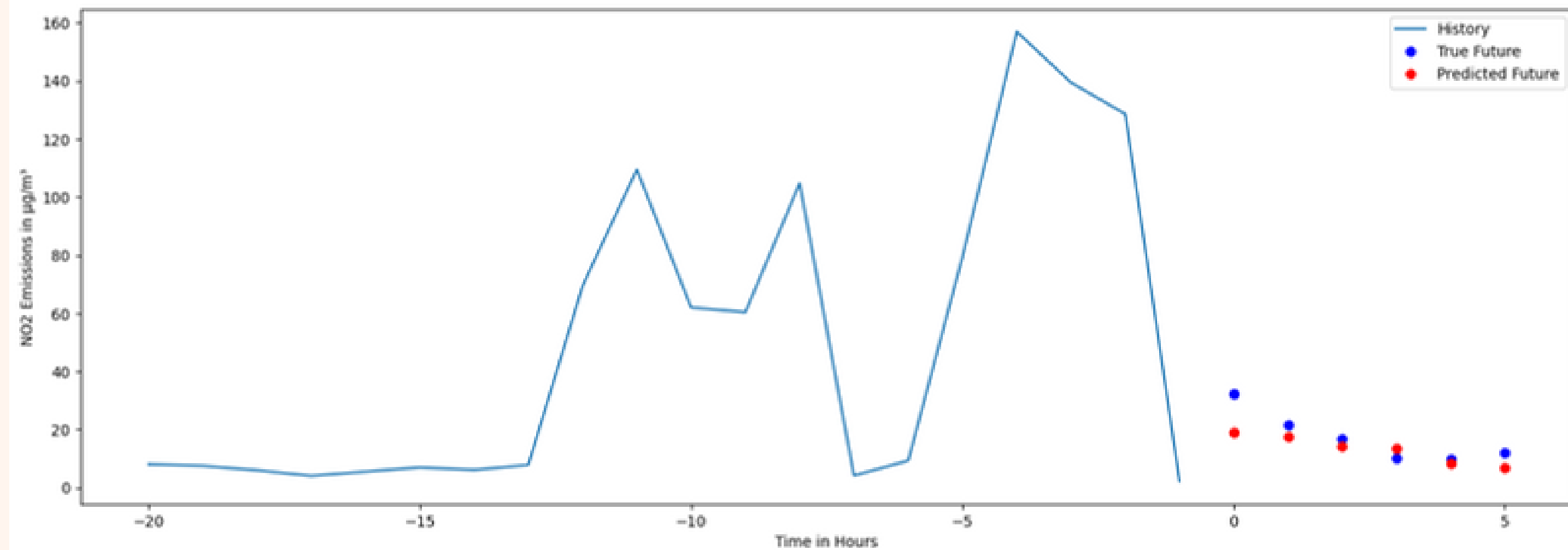
- NO₂, PM₁₀, PM_{2.5}
- 01/2018 – 09/2023
- 30-minute intervals



Traffic data

- hourly traffic for each intersection
- 06/2020 – 06/2022
- 60-minute intervals





Mean absolute error:
0.0746

thank you
for your attention!