

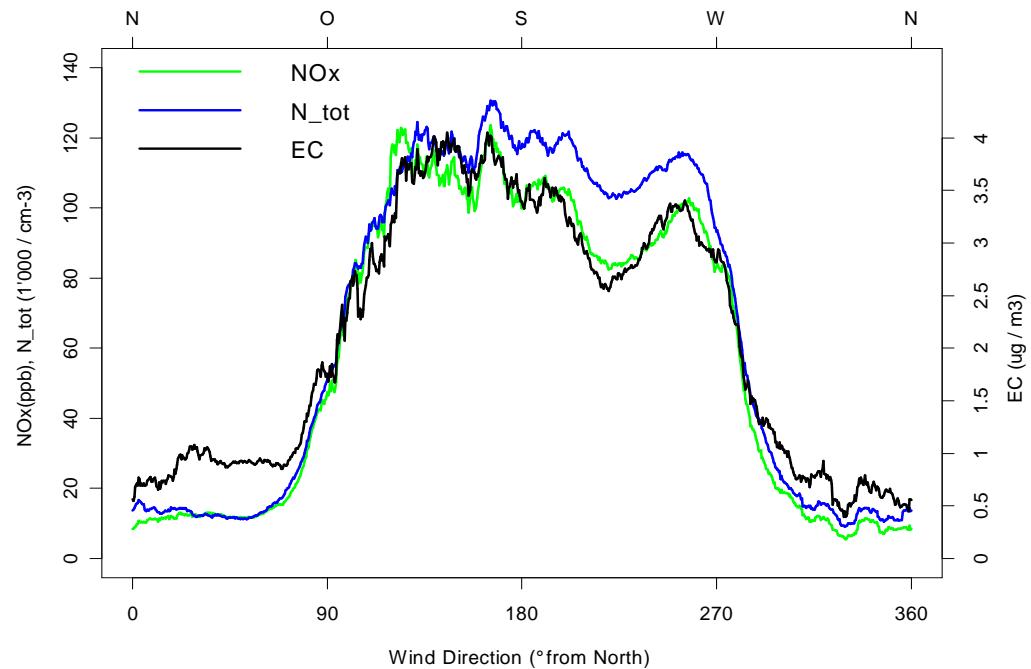
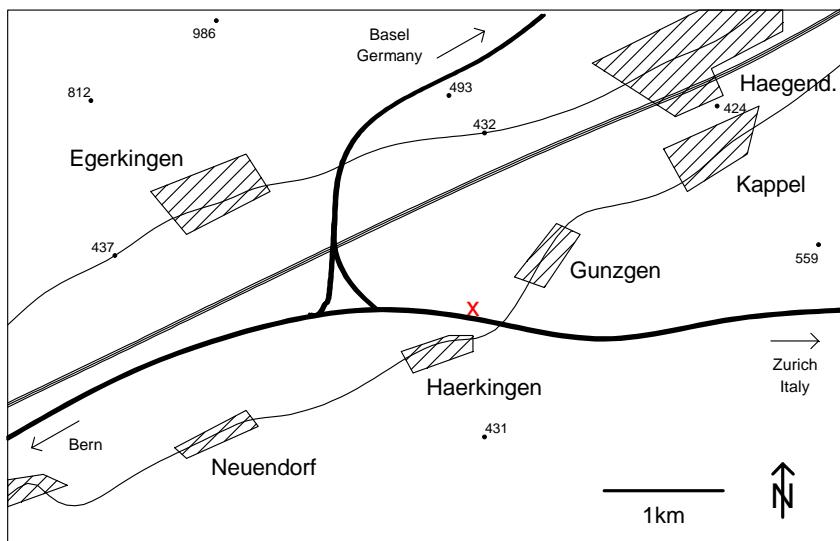
## Estimation of long-term trends of road traffic emissions (Analysis of NABEL data from site near Haerkingen)



View towards east.



View towards background sector  
(northeast).

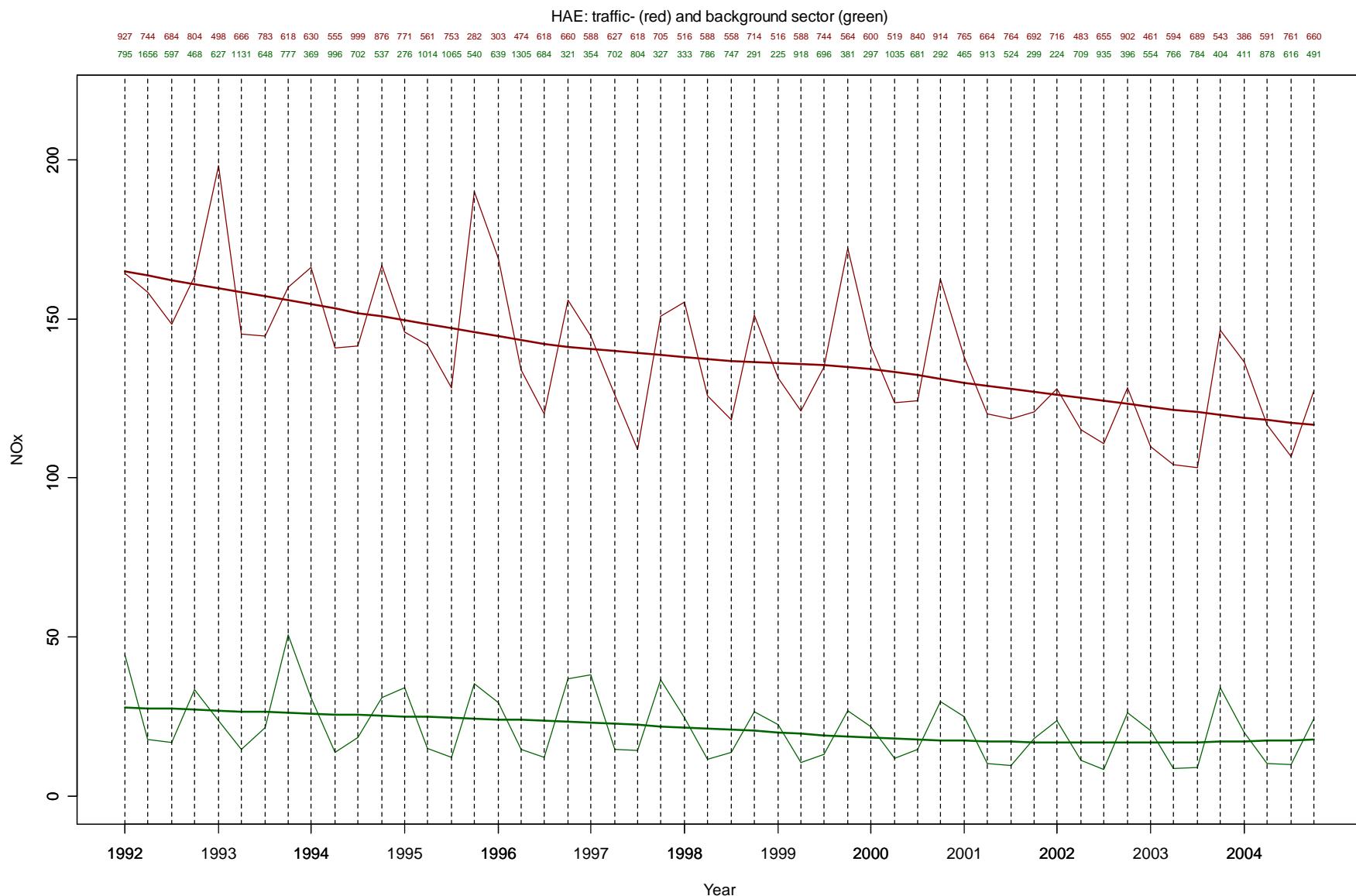


## **Assumption:**

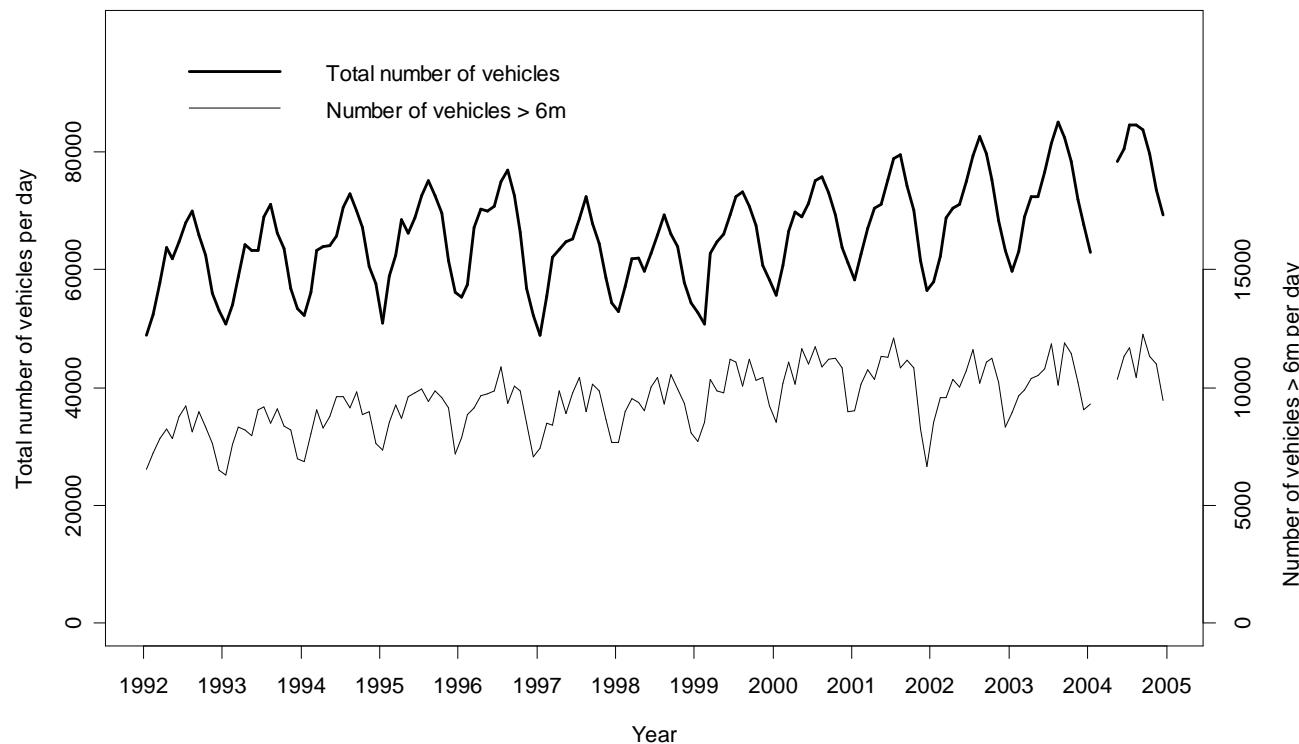
**HAE traffic sector**      =   **emissions from nearby road traffic +**  
**HAE regional background sector**

Assumption is reasonable when HAE traffic sector >> HAE regional background sector

# NO<sub>x</sub> at winds from background (green) and traffic sector (red)



## Development of traffic numbers at nearby motorway



Data from traffic counter near Gunzgen (operated by the Swiss Federal Roads Authority - ASTRA)

Emission factors are derived by combining air quality data and traffic numbers.