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:

\[
\text{HAE traffic sector} = \text{emissions from nearby road traffic} + \text{HAE regional background sector}
\]

Assumption is reasonable when HAE traffic sector $\gg$ HAE regional background sector
NO\textsubscript{x} at winds from background (green) and traffic sector (red)
Development of traffic numbers at nearby motorway

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