

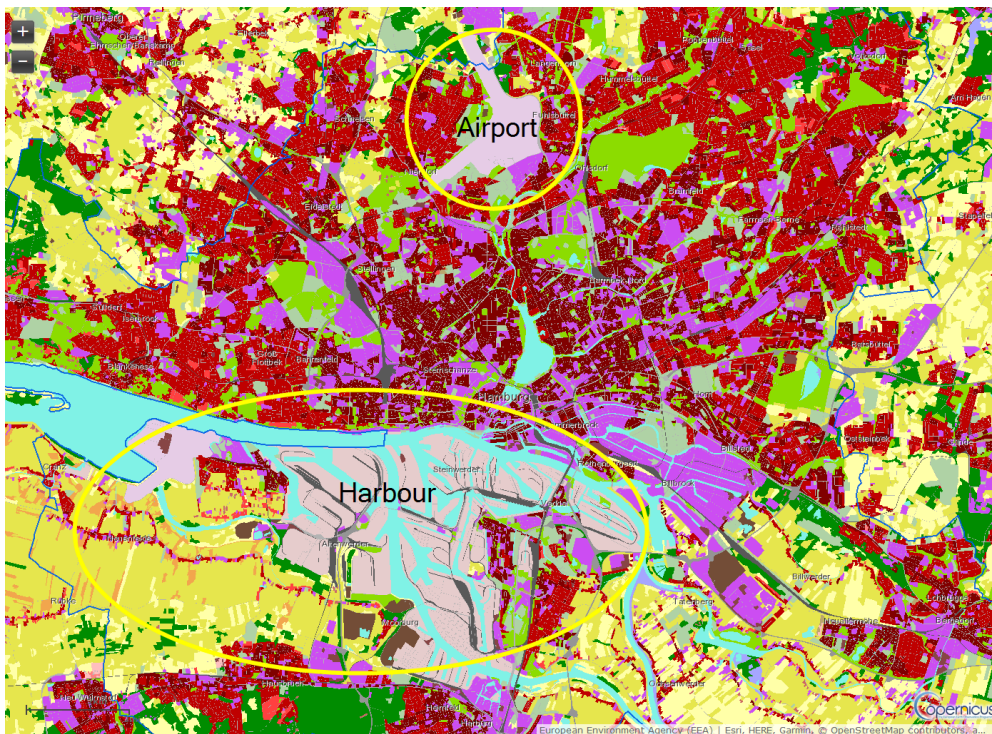


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CITYCHEM AIR QUALITY FORECAST



HZG: CityChem – solution for city scale AQ forecast in Hamburg



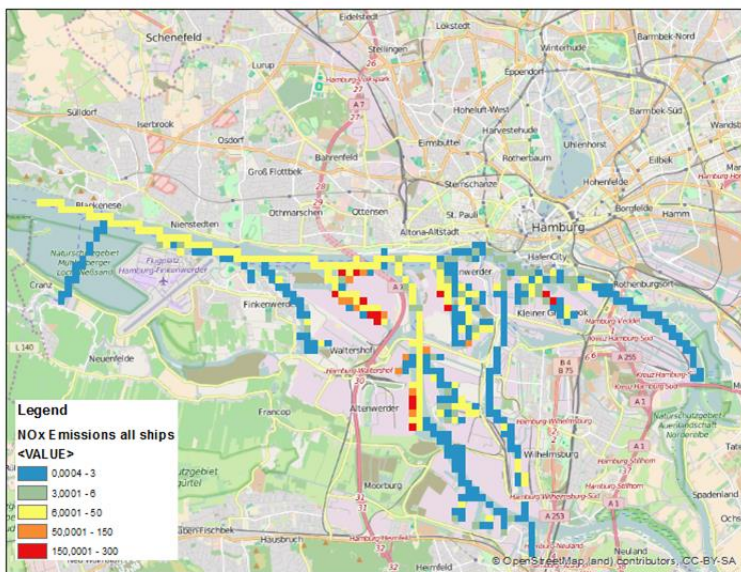
Development of prototype for short-term AQ forecast integrating:

- CAMS regional air quality ensemble forecast,
- prognostic meteorological model,
- high-resolution emission inventory
- EPISODE-CityChem city scale AQ model.

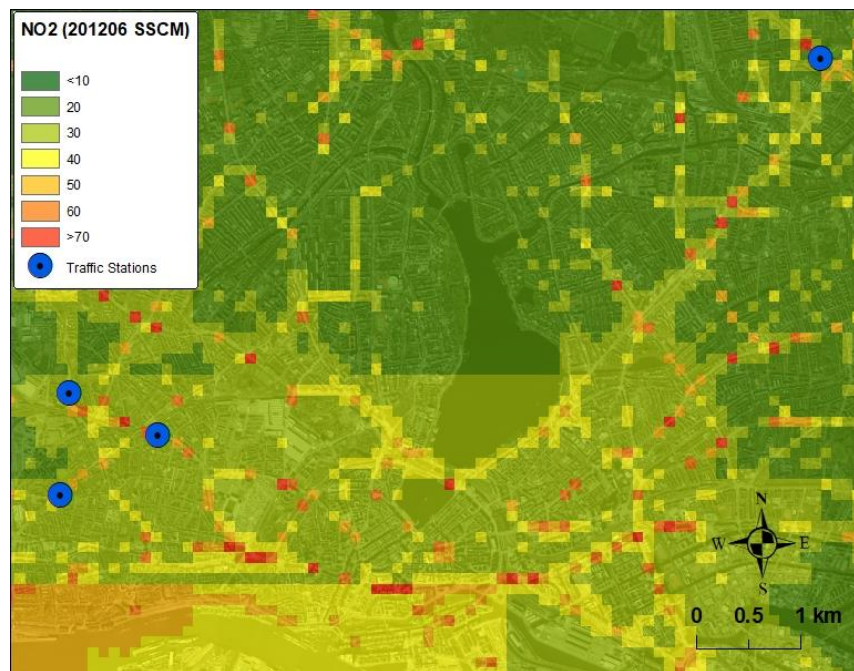


HZG: CityChem – solution for city scale AQ forecast in Hamburg

High-resolution emissions:
Hamburg port emission database.
Ship movements based on AIS
signals.



High-resolution modelling:
Hamburg traffic emission - street
canyon model



HZG: CityChem – solution for city scale AQ forecast in Hamburg

Automated process chain:

