



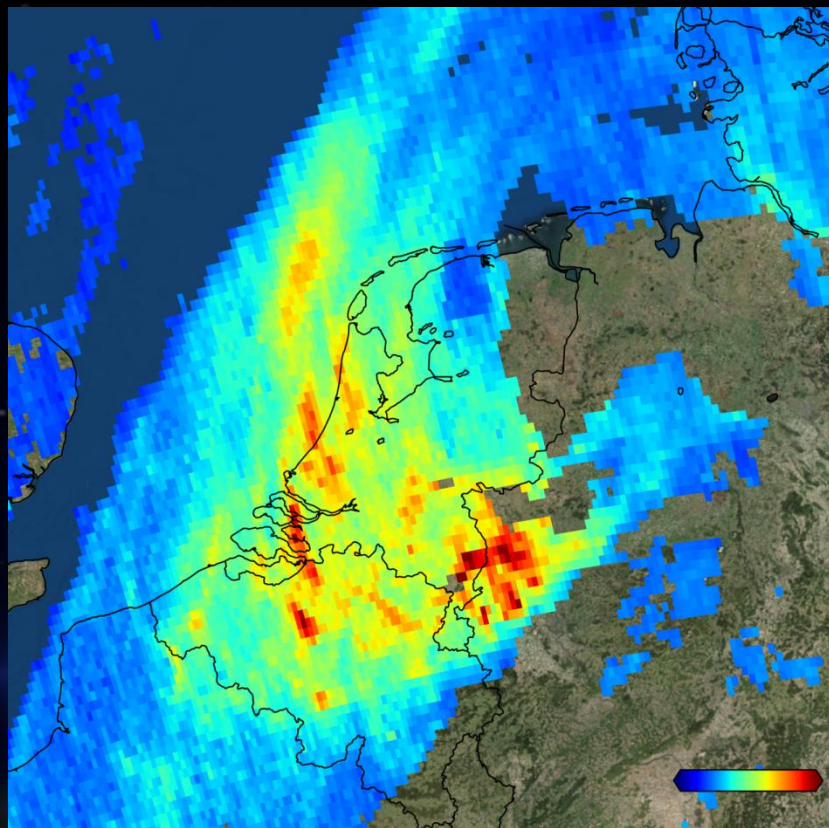
Royal Netherlands
Meteorological Institute
*Ministry of Infrastructure
and Water Management*

Mapping Urban Air Quality with New Instruments

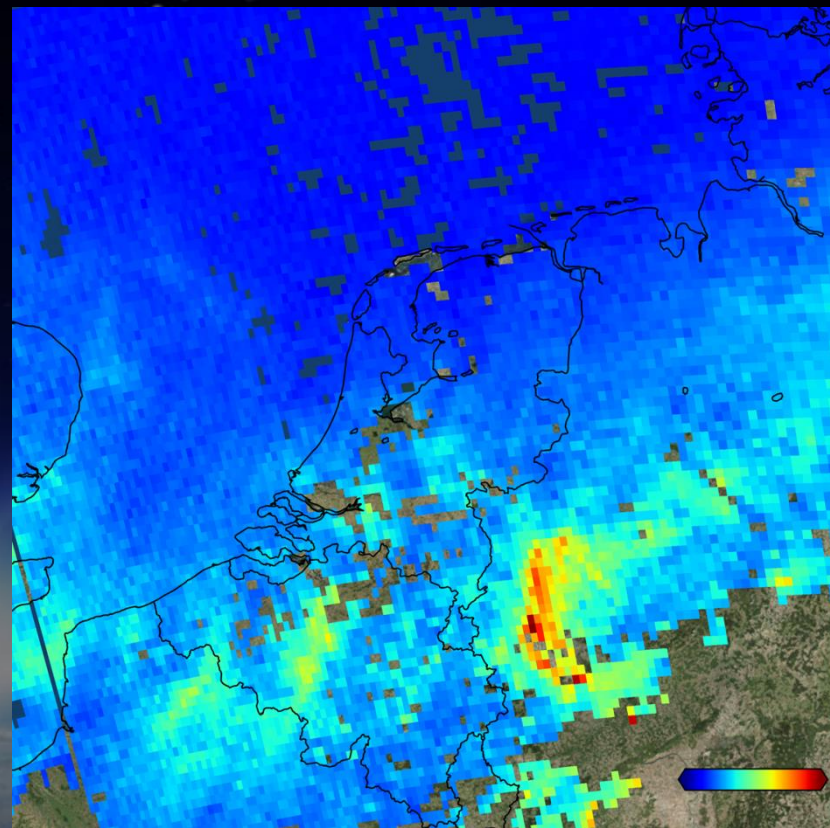
Bas Mijling, R&D Satellietwaarnemingen

Pitch @ CAMS Workshop • RIVM Bilthoven, June 1 2018

NO₂ 07-11-2017

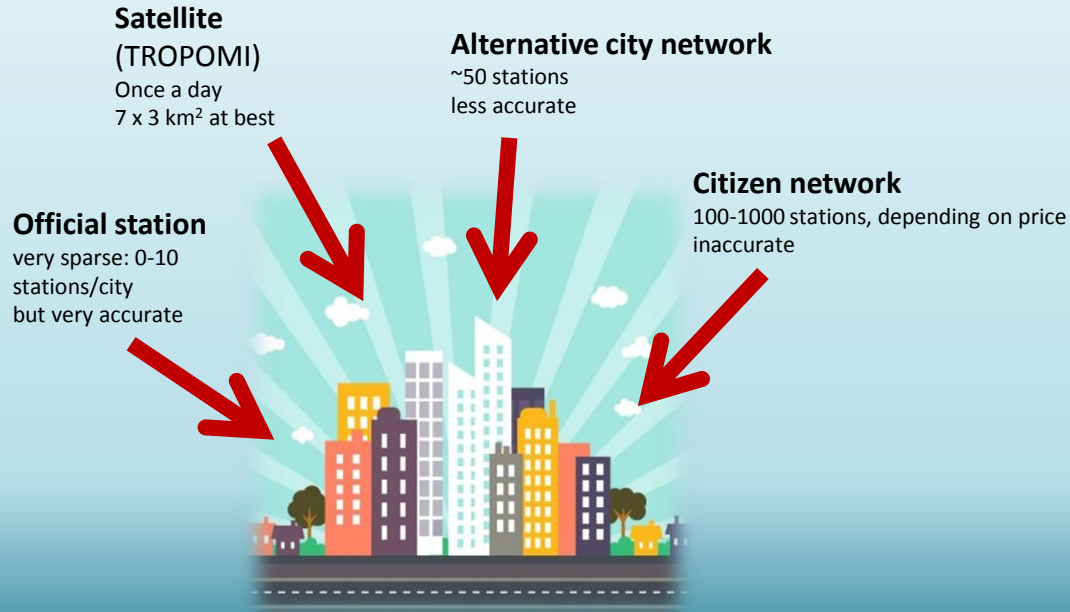


NO₂ 17-11-2017

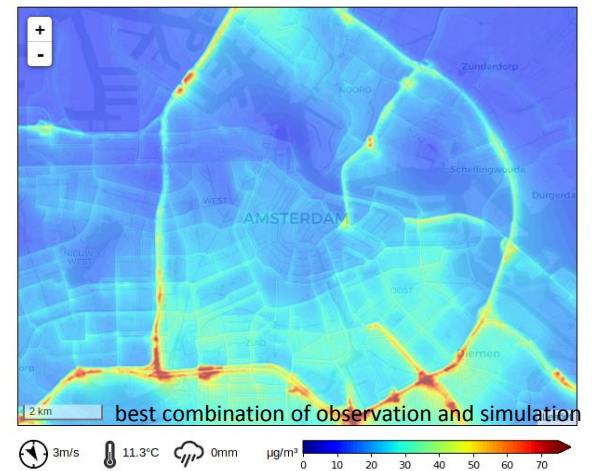
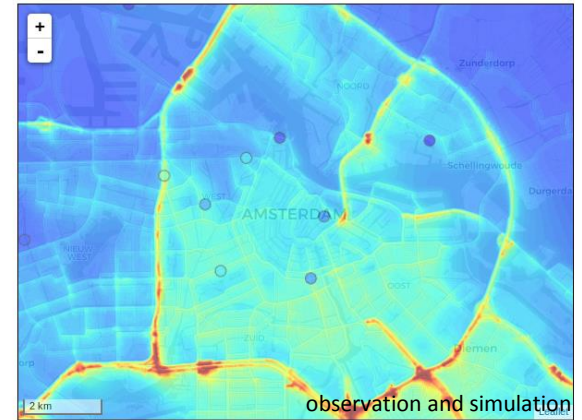


Monitoring urban air quality

New trends in air quality monitoring ask for smart systems to make optimal use of the heterogeneous data sources



Amsterdam, NO₂, 9 June 2016, 21:00 UTC



CAMS data

- Used as hourly background concentrations
- Profile information useful to relate tropospheric column measurements to surface concentrations.

Ideal collaboration

- There are several groups in the Netherlands with overlapping and complementary expertise.
- Best approach is still to be figured out
- So: team up and learn from each other by sharing results



CAMS Wishlist

- Faster retrieval of air pollutant time series for a specific location
- Also higher resolution / ensemble results for areas outside Europe
- ...