

Ambient Urban Air Quality Monitoring Network

October 2014

www.ecn.nl

ECN AirBox

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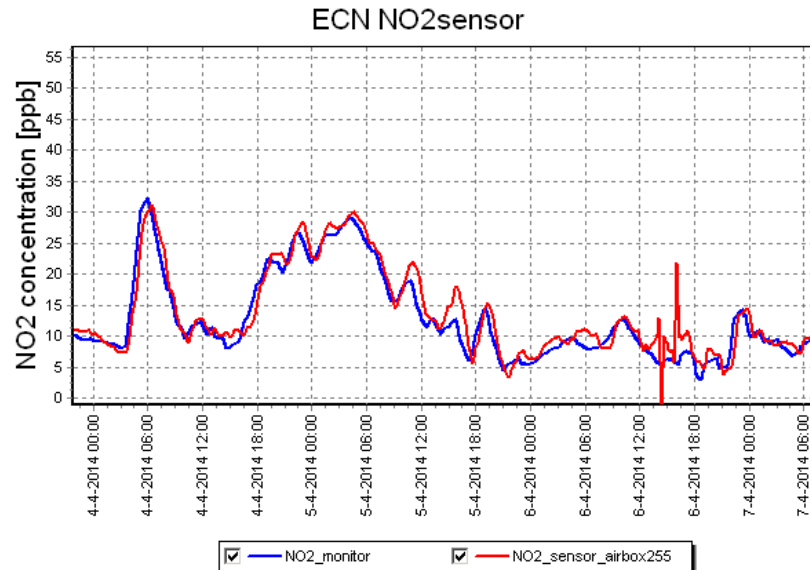
Functionality

- Particulate matter (PM₁-PM_{2,5}-PM₁₀)
- NO₂
- Ozone (ongoing development)
- Temperature, relative humidity
- GPRS
- GPS

- Universal sensor platform
- Can be extended with other sensors
- Webinterface
- Modeling

Development NO₂

Comparison NO₂-monitor



Status

Completed

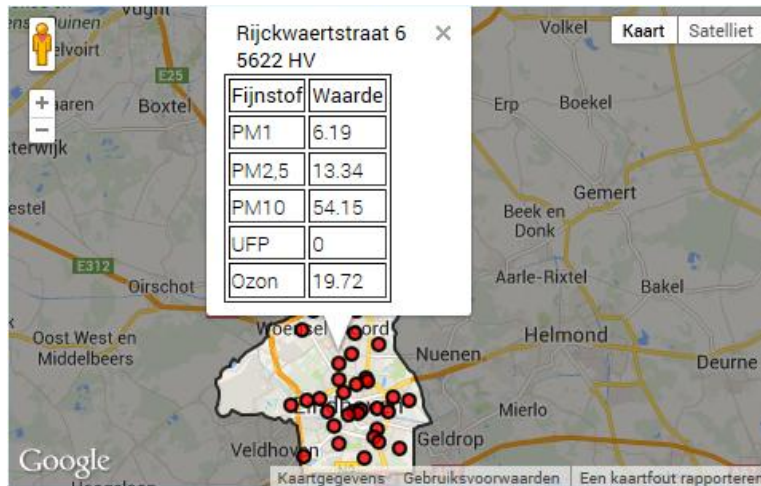
- Prototype construction
- Lab testing
- Integration in AirBox
- Ambient air testing

To do

- Construction additional sensors
- Integration in Eindhoven network

Ambient Air Quality Monitoring Network Eindhoven

Real-time monitoring



www.aireas.com

AiREAS / Air Quality Monitoring Network

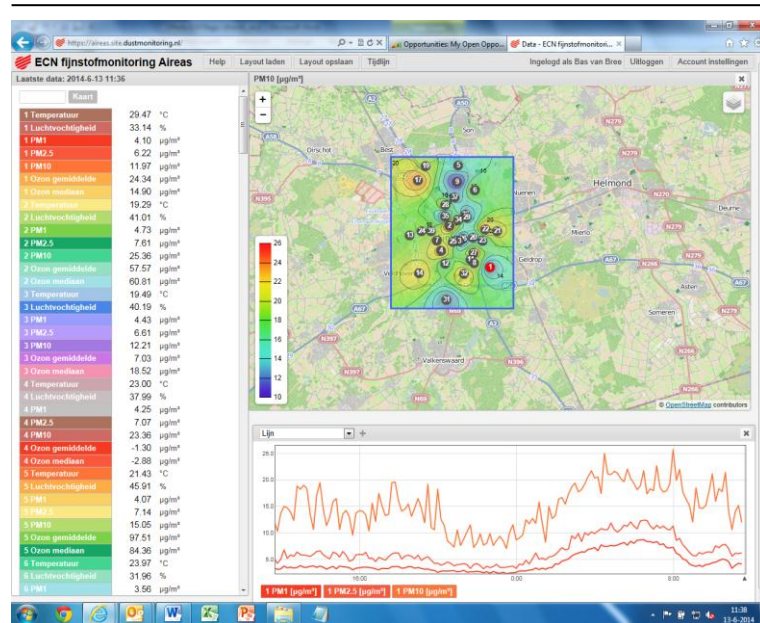
- PM_1 - $PM_{2,5}$ - PM_{10} (30 locations)
- Ultrafines (6 locations)

AiREAS



Data

Web portal

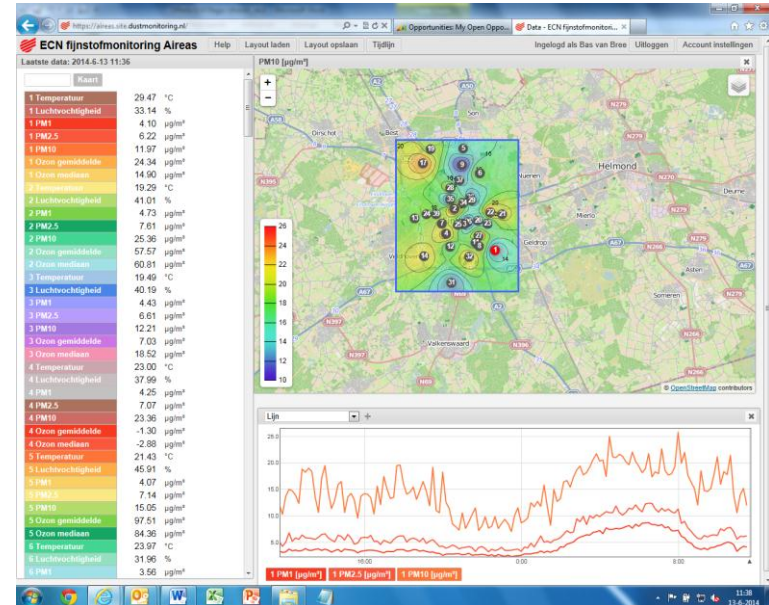


Data feeds / interfaces

- Data download (Excel)
- Data feed into customer data platform

Use cases

- Inform civilians
- Enable local initiatives
- Urban development
- Policy monitoring
- Traffic management
- Monitoring vulnerable groups



Want to know more?

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