



National Institute for Public Health and the Environment in the Netherlands (RIVM)

Since 1909 we do research for policy-making:





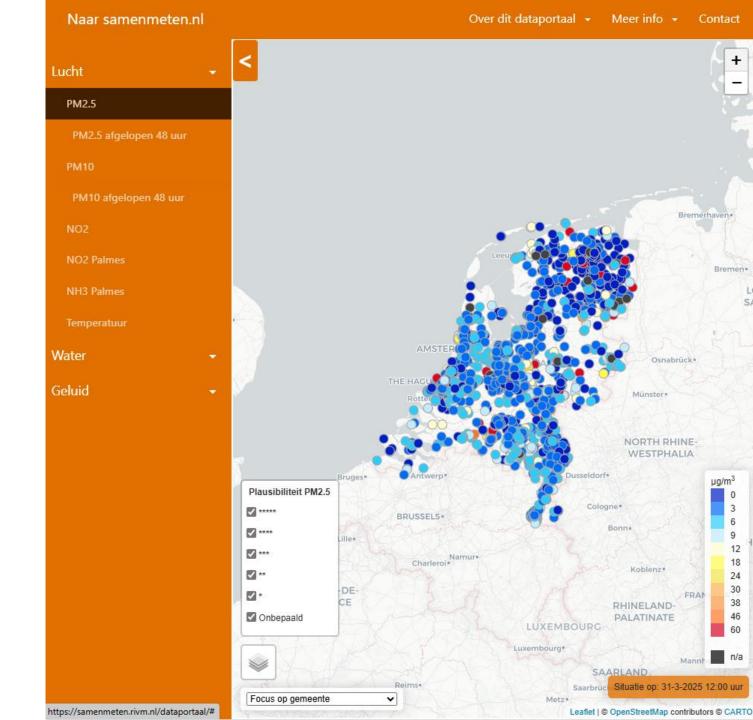


My work

Team Measure Together

Our national citizen science infrastructure for environmental monitoring

We help everyone who wants to measure air quality, noise or water; as individual or in a group!





You don't see it, but:

NO₂ pollution led to 48,000 early deaths in the EU in 2022 Ella Adoo-Kissi-Debrah: Air pollution a factor in girl's death, inquest finds

© 16 December 2020





Ella Adoo-Kissi-Debrah lived 25 metres from the South Circular Road in south-east London

A nine-year-old girl who died following an asthma attack has become the first person in the UK to have air pollution listed as a cause of death.

Ella Adoo-Kissi-Debrah: Air pollution a factor in girl's death, inquest finds - BBC News



NO₂ (nitrogen dioxide)

- Chemical compound
- > Forms when (fossil) fuels burn
- Particularly useful to measure traffic pollution





Measure NO2

- > Palmes tubes:
 - Have a chemical compound that react with NO2
 - After one month: analysis in the lab



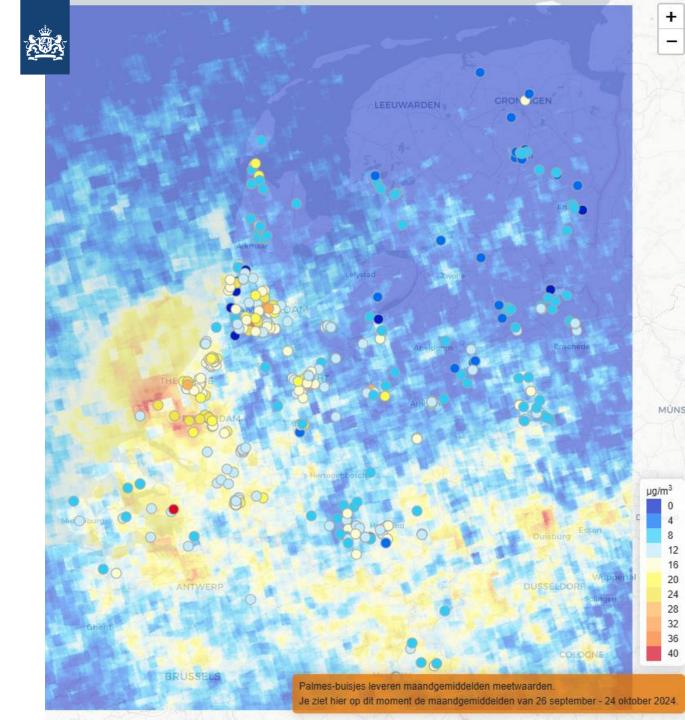
What can you do with Palmes data?

Students

- Access GLOBE data portal to view data
- Add satellite data to compare satellite data with Palmes data (validation)

Everyone

 Access Samen Meten data portal where you can see all Palmes data





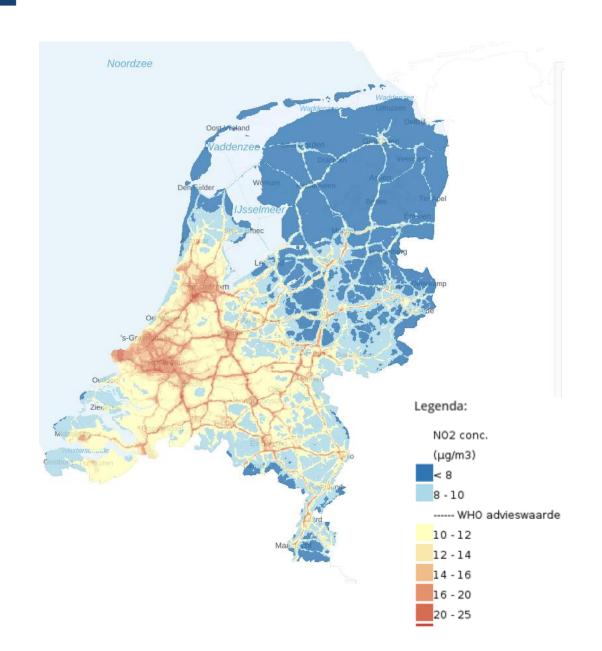
What do researchers do with Palmes data?

KNMI (meteorological institute):

Validate satellite data

RIVM:

Validate annual mean NO₂ concentrations





Thank you!

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