



Rijksinstituut voor Volksgezondheid en Milieu Ministerie van Volksgezondheid, Welzijn en Sport

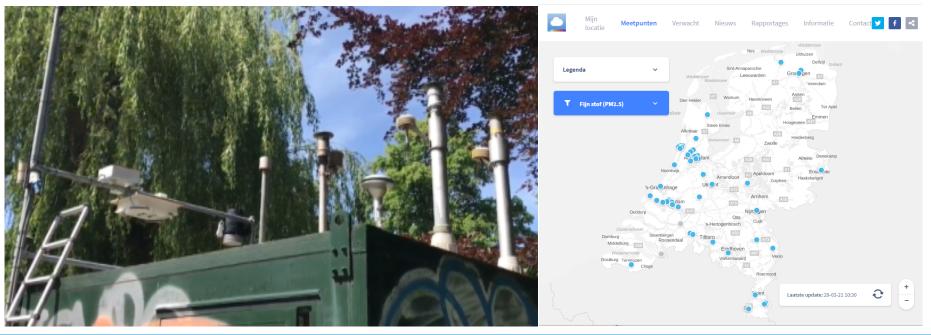
# Combining citizen science and official data – a win-win situation

#### Hester Volten



#### Official air quality data

Air pollution is the single largest environmental health risk





#### Measure Together

To reach SDGs it is essential to raise awareness. What better way to raise awareness than by citizens measuring.

#### Citizen Science Support

- Information
- News
- Meeting place
- Data platform
- Data quality



Rijksinstituut voor Volksgezondheid

Nova SDS011 and Sensirion SPS30 by Joost

Wesseling 7

Samen Meten is Dutch for Measure Together. The aim of the Measure Together program is to support citizen science for environmental parameters such as air quality, water quality, and noise. Measure Together encourages people to do these measurements together, to build communities, connect with different stakeholders, connect with us, to



### Data portal – growing fast

#### Jan 2020~1000 PM sensor kits

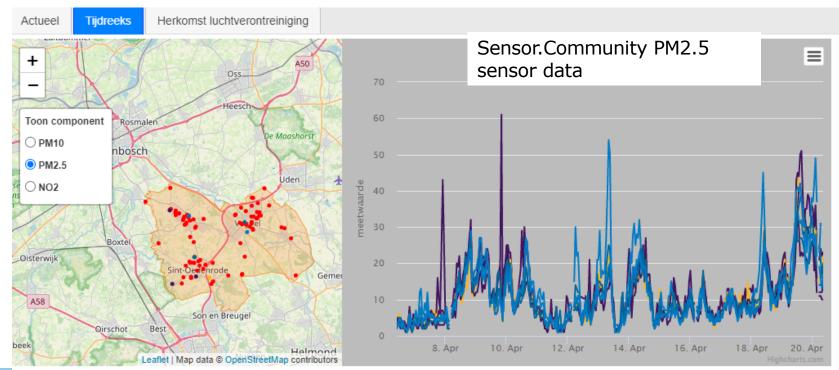
#### foon compone DM10 PM2.5 NO2 NO2 Palmes Buisje Temperatuu Relatieve vochtigheid Atmosferische druk Focus op gemeente ausibiliteit PM2.4 **X** \*\*\*\* **V** \*\*\* Data quality **V** \*\*\* **V** 23 also increases fast **v** \* Onbepaald Focus op gemeente

https://sensors.rivm.nl/dataportaal/

Now~2500 PM sensor kits

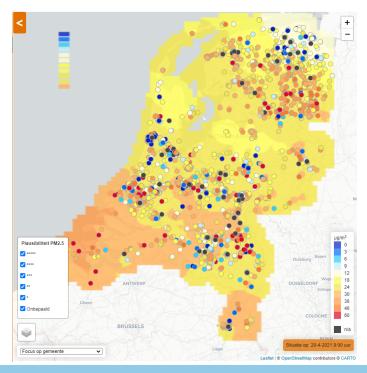


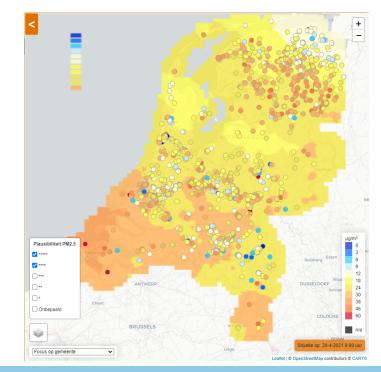
#### Local communities pop up





#### Data quality assessment

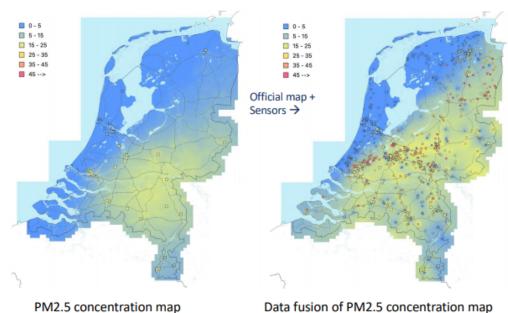




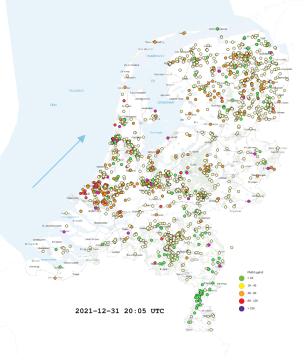
#### https://sensors.rivm.nl/dataportaal/



#### More detailed modeling



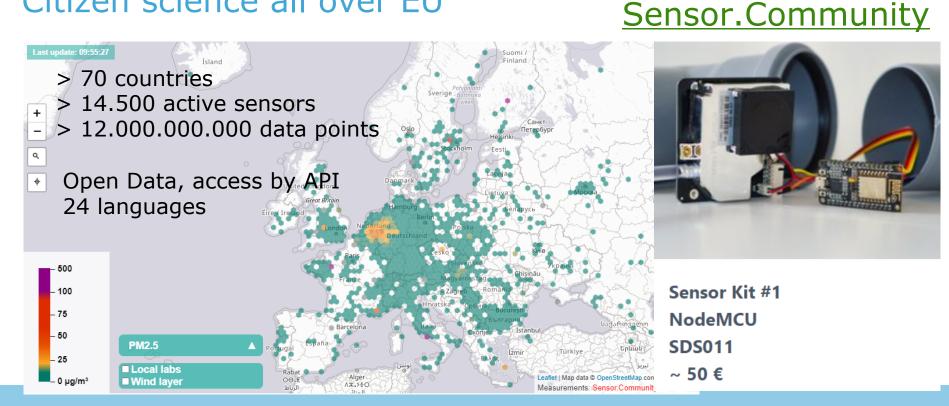
and sensor data



Useful for (local) policy or during calamities



#### Citizen science all over EU



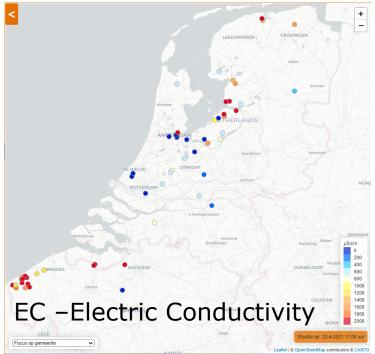


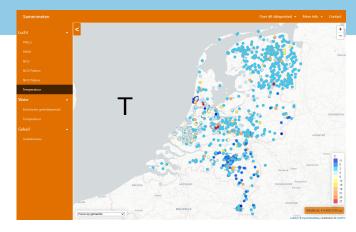
### Noise levels





# Water quality and more







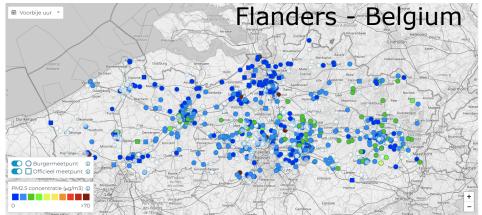


#### Go for the win-win

# Combining citizen science and official data, your country can do it too!



www.samenmeten.nl/international



samenvoorzuiverelucht.eu/dataportaal/