

#### CitiSense



#### From Knowledge To Action





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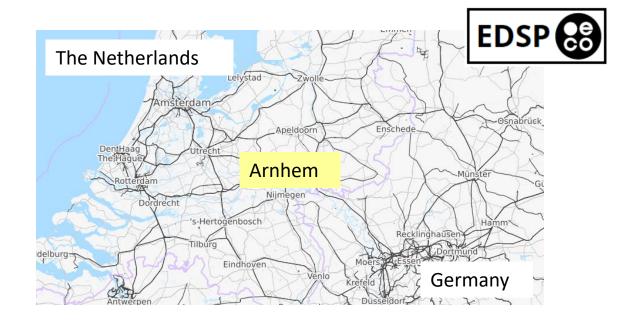
IHS, Erasmus University Rotterdam

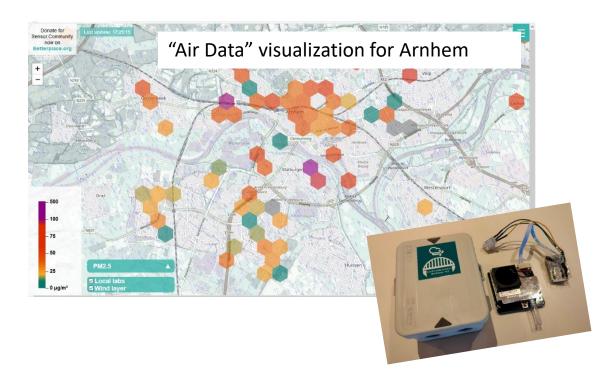
EDSP, Arnhem



# Citizen Science Community "Arnhems Peil"

Characteristics	Arnhems Peil
Active Participants	> 200
Volunteers	17
Installed Sensors	130 (+50)
Data Platform	Air Data -> EDM







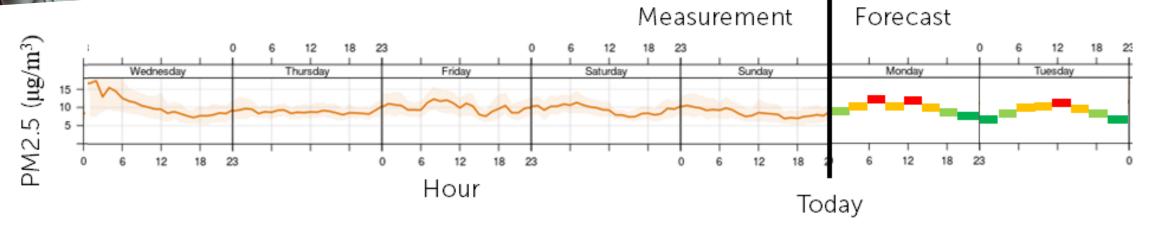
#### Air Pollution Data and Forecast





Forecast: more actionable









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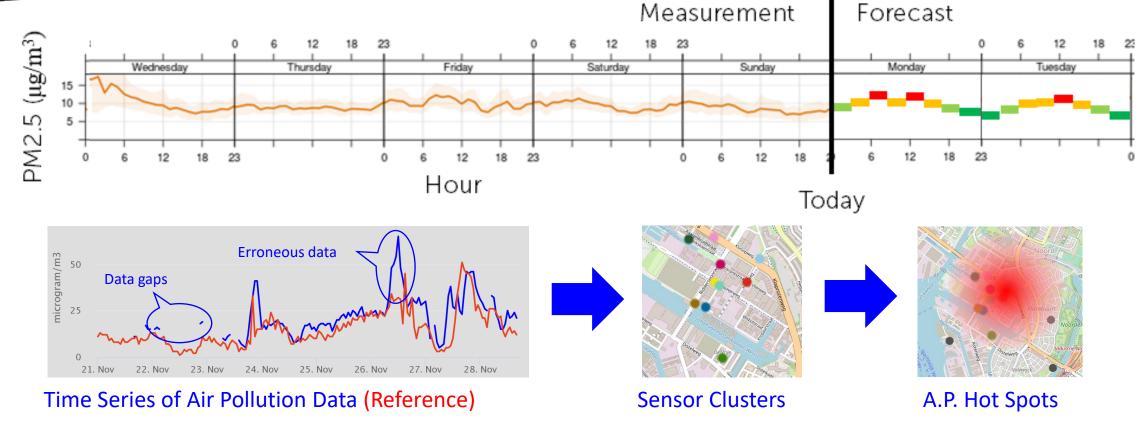


Forecast: more actionable

Improve data quality ↔ awareness creation

Hot Spot detection ↔ Field Lab exp.



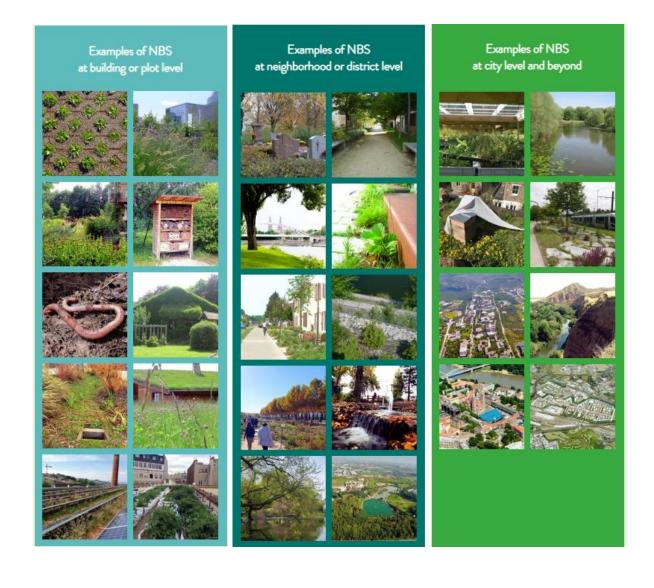






## NBS to Address Air Pollution

- Ideas for future solutions (using hot-spot information)
- NBS are "solutions that are inspired and supported by nature, which are costeffective, simultaneously provide environmental, social and economic benefits and help build resilience."







#### Timeline

M-1

M-2

M-3

M-4

M-5

M-6

**Events** 

Inception Meeting

Workshop 1 (Citizens)

Workshop 2 (Citizens)

Project Team stays in touch with Field Lab Citizens

Wrap-up Meeting (Citizens)

Stakeholder

Create Common grounds

Building
Capacities (AP
Forecast)

Planning for NBS (to reduce AP) Develop Field Lab Experiments, Implement Test Lab with Mobile Sensors Present & Discuss Field Lab Actions

Project T.

Implement Forecast Method Implement Clusters and Hot Spots,
Finish Forecast Method, Build
Mobile Sensors

Evaluate Field Lab Experiments and Mobile Sensors

Create Online Repository





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IHS, institute for housing and urban development studies of Erasmus University Rotterdam



### Thank you

#### **Data Providers:**





















SENSOR.COMMUNITY

