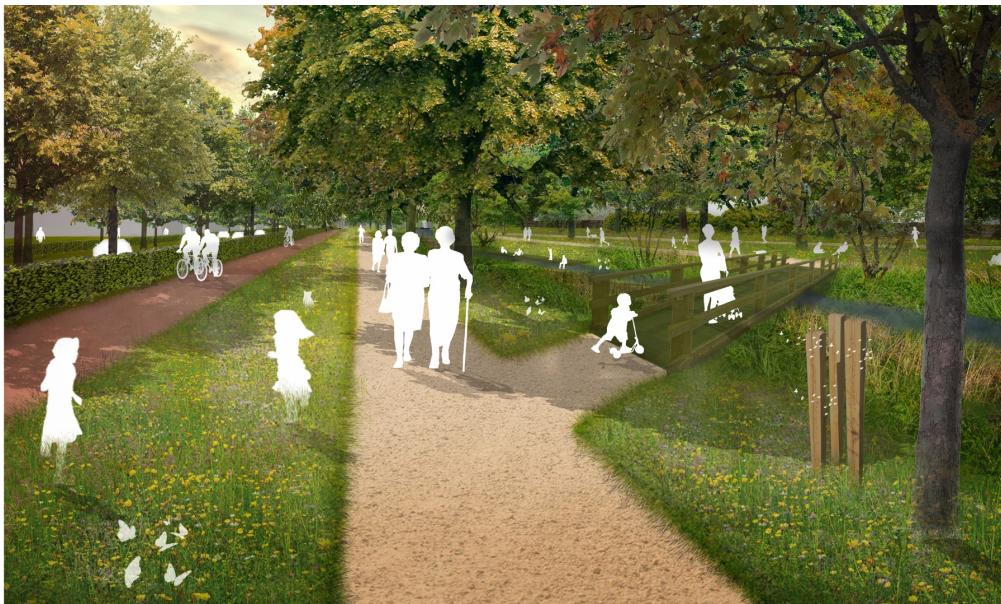




Measuring or using models? January 29, 2022

Walter Gerritsen, secretary Citizen Initiative
'From City Ring Road to Ring Park'





Presentation

- Introduction
- What did we reach up till now?
- Main issues for this meeting
 - Noise
 - Air quality
- Discussion about how to tackle?



Citizen Initiative

- Start May 2020
 - Threats
 - Pollutions
 - CO_x, NO_x, PM_{2,5} and Noise
 - Climate change
 - Heat stress, downpours (floods)
 - Sustainability and liveability
 - Chances
 - Enlarge public area (158.000->175.000)
 - Revitalise biodiversity
 - Connect surrounding area with city center
 - Increase attractiveness of town
 - Rebuild for the future
- and many more



R→P van ring
naar **park**



Realised examples



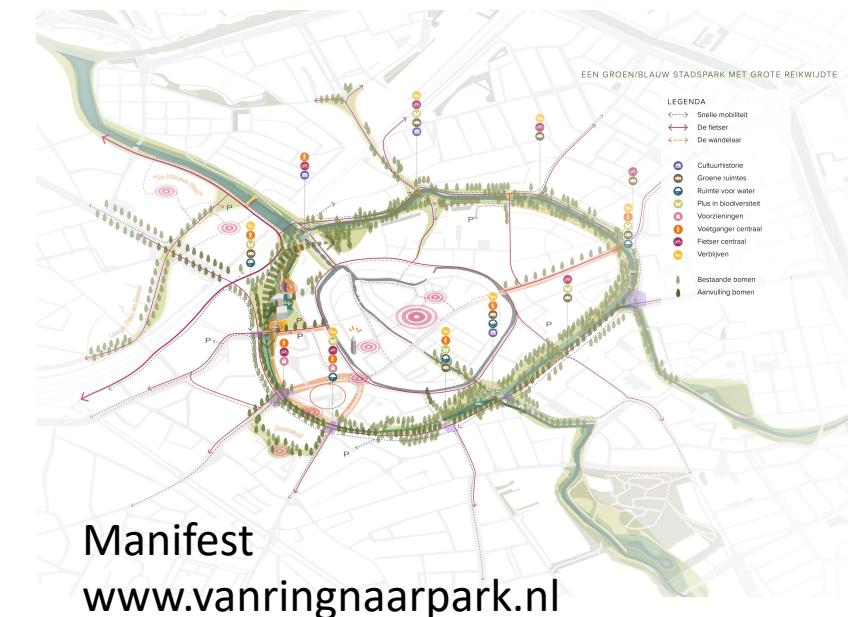
Utrecht



**van ring
naar park**

- Plans already supported by
 - Inhabitants of and around city center
 - Local businesses
 - Political parties (majority in town council)

Citizen Initiative





van ring
naar park

Citizen Initiative

- Plans already supported by
 - Inhabitants of and around city center
 - Local businesses
 - Political parties (majority in town council)
 - City architect



Een 'artist impression' van een autoluwe Stadsring. (Van Ring naar Park)

Stadsbouwmeester Micha de Haas: 'Groene stadsring voor een walkable city, de tijd is er rijp voor'

vrijdag 26 november 12:07 - 2021

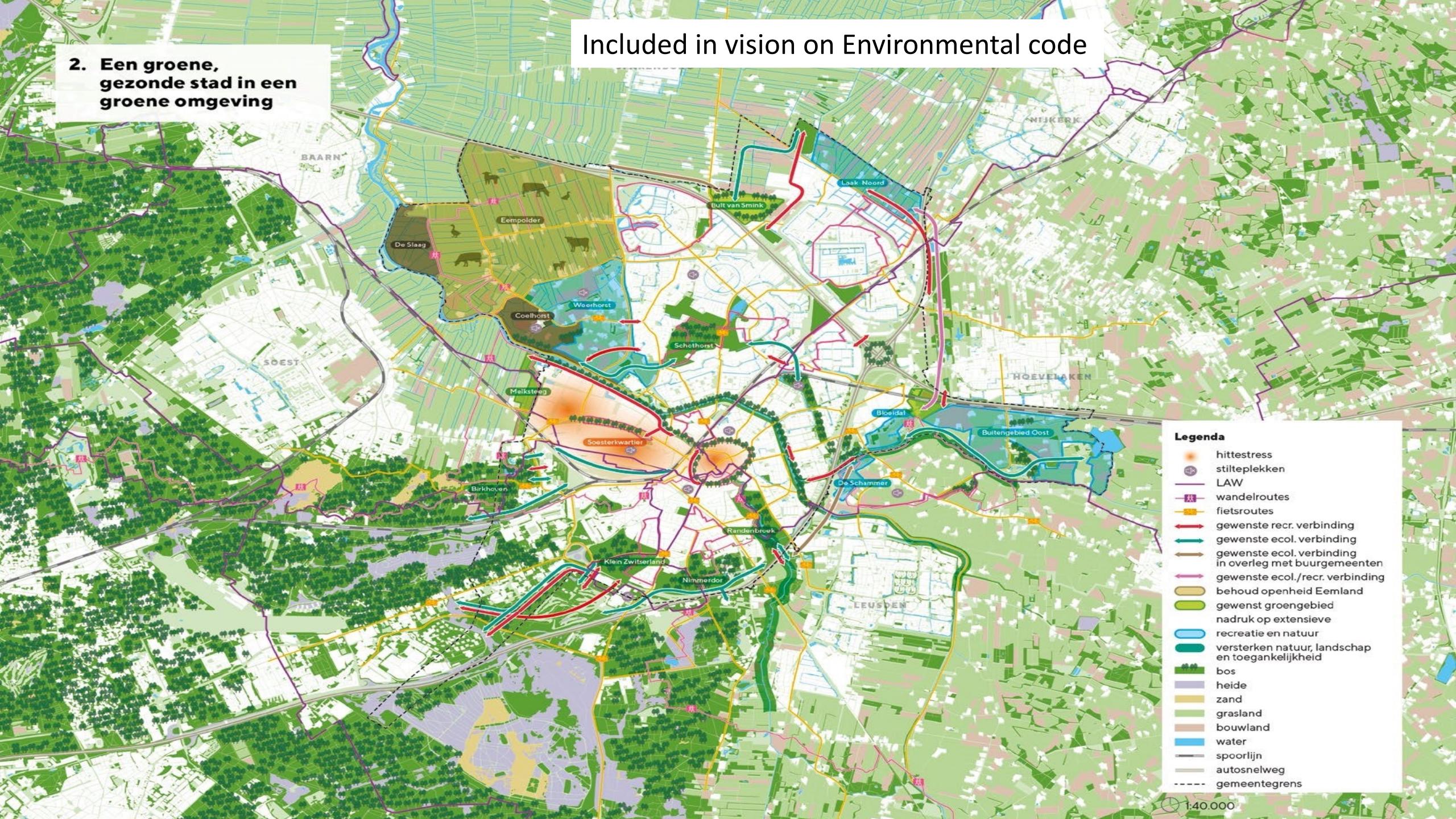
Opinie

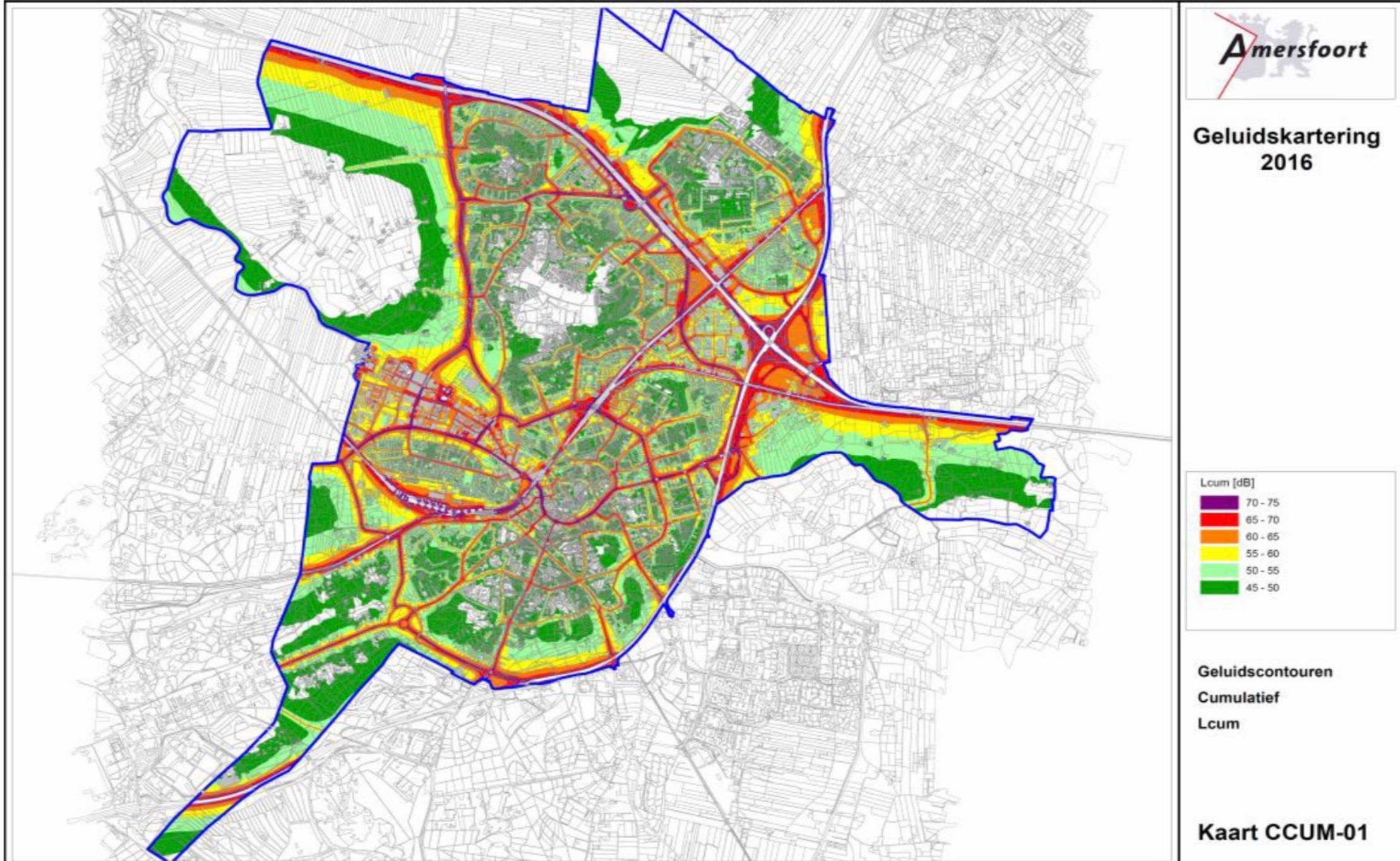


AMERSFOORT De pas herbenoemde stadsbouwmeester van Amersfoort, Micha de Haas, is enthousiast over de plannen om de Stadsring te vergroenen en autoluw te maken. Hij sprak er zaterdag over in een interview op Golfbeker Radio. „De tijd is er rijp voor. De auto is al lang niet meer allesbepalend in de stad. Meer bomen zijn uiteraard goed voor de luchtkwaliteit“, vindt hij. De Haas herinnert eraan dat de Stadsring ooit een lommerrijk gebied was. Zo gaan we dus weer terug naar hoe het was bedoeld.

Included in vision on Environmental code

2. Een groene, gezonde stad in een groene omgeving





Figuur 1 Impressie geluidssituatie 2016

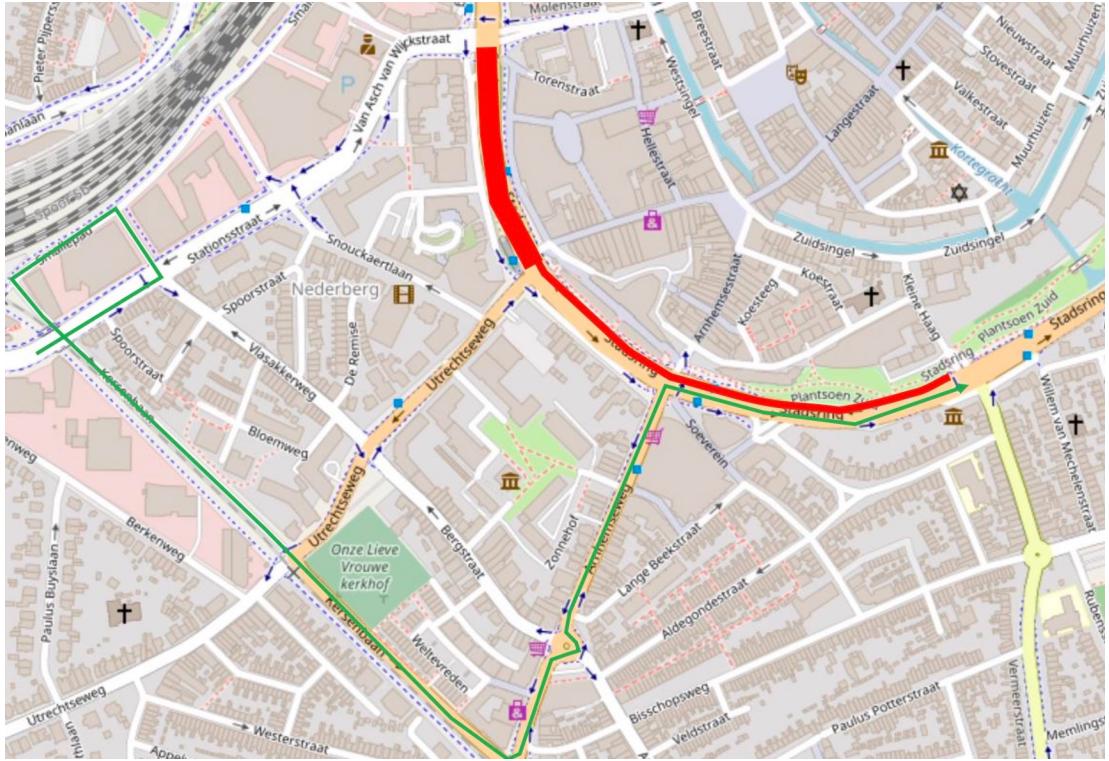


R→P van ring naar park

June 2022

- 3 days (Friday, Saturday and Sunday)
- Goals
 - Change of mindset
 - (The Street is ours!!!)
 - Attention for the City Ring Road transition
 - Gaining support over all social layers and ages
 - Quantifying advantages possible?

Festival of Insight



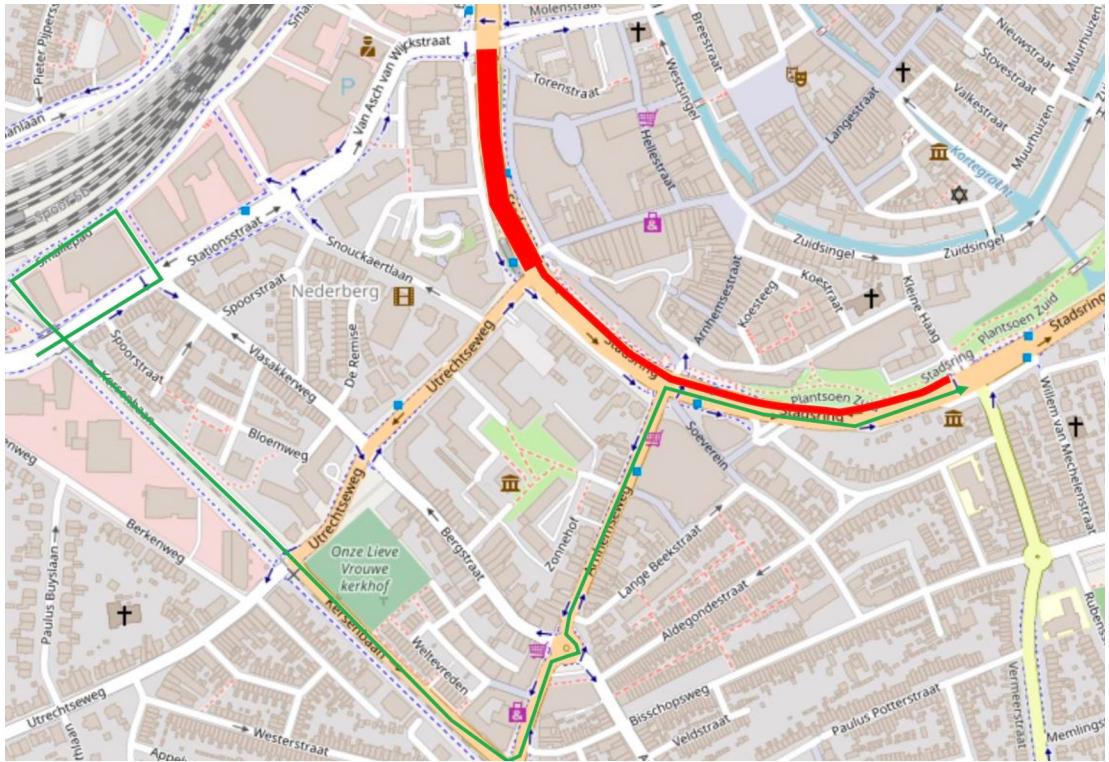


R-P van ring naar park

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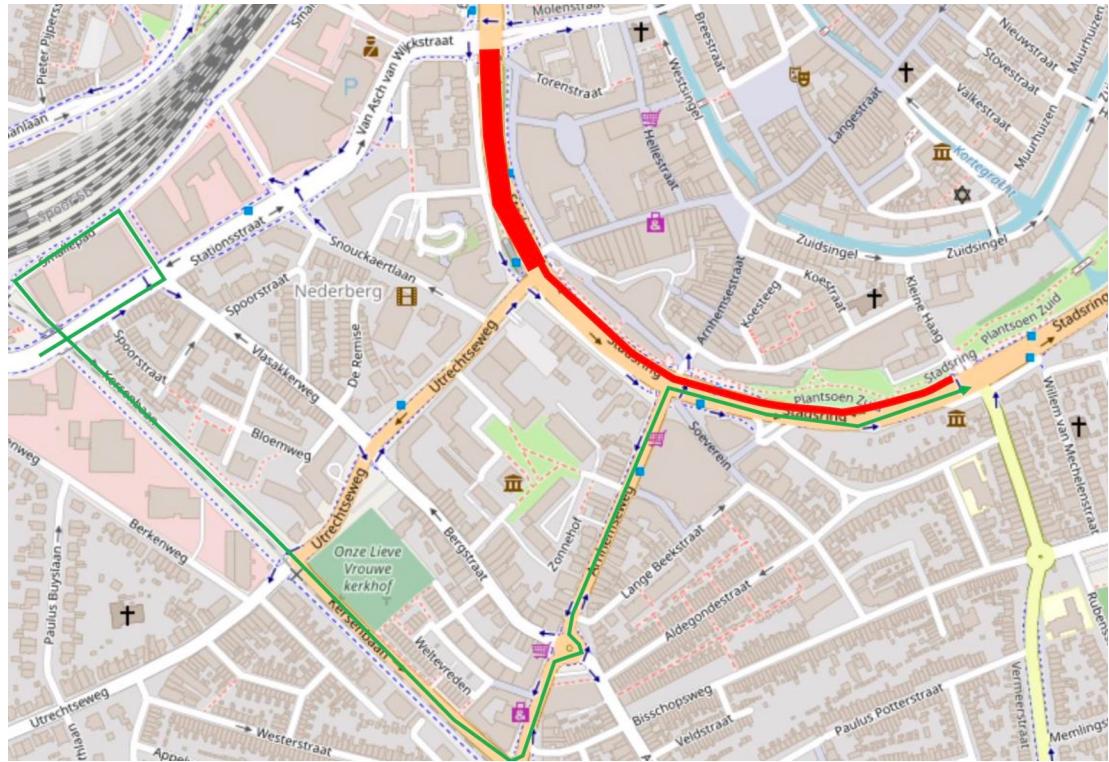


R→P van ring
naar park

Festival of Insight

Advantages

- Climate change adaptation
- Lowering urban heat effect
- Water storage
- Lower noise emission
- Improved air quality
- Health improvement
- More public area for relaxing, meeting, jogging etc.



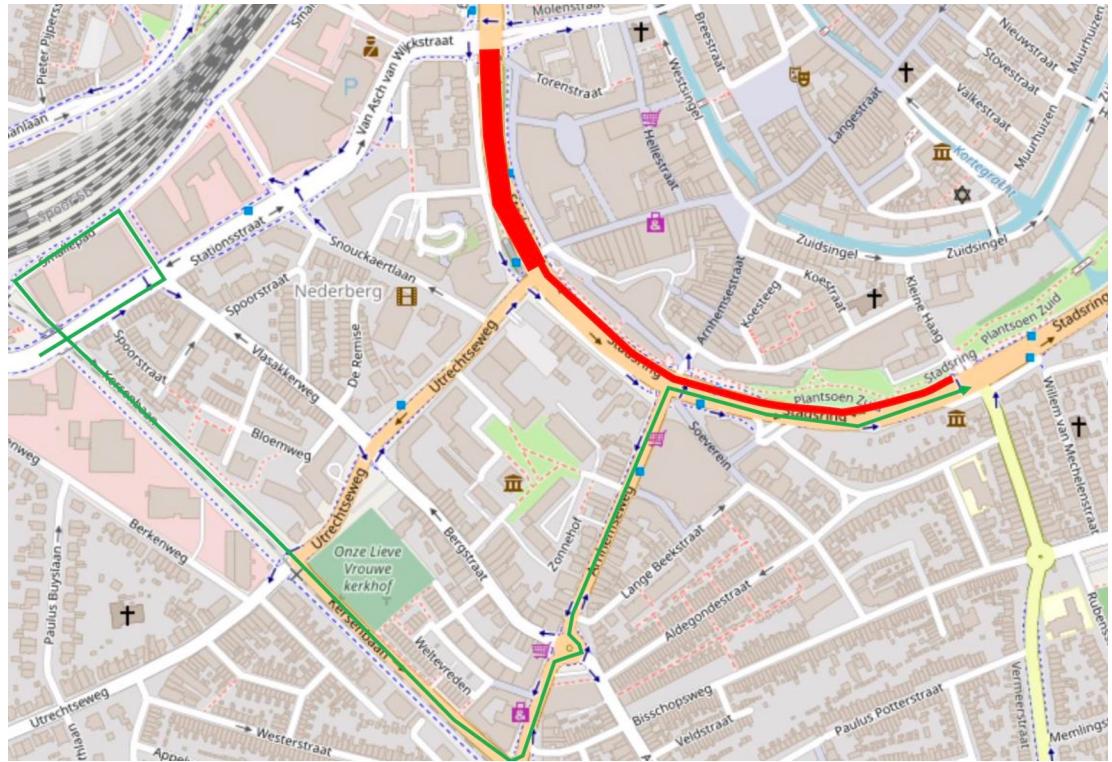


R→P van ring
naar park

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Festival of Insight





Developments

- NEMO project for enforcement
 - Vehicle identification
 - Noise level
 - Speed
 - Rpm
 - Emissions



Festival of Insight

Traffic accounts for a large proportion of air pollution and noise in European cities. In the NEMO project, the two issues are tackled together in a new European initiative. The innovative turn-key solution will demonstrate how real-time monitoring of emissions and noise from traffic can protect low-emission zones in cities.

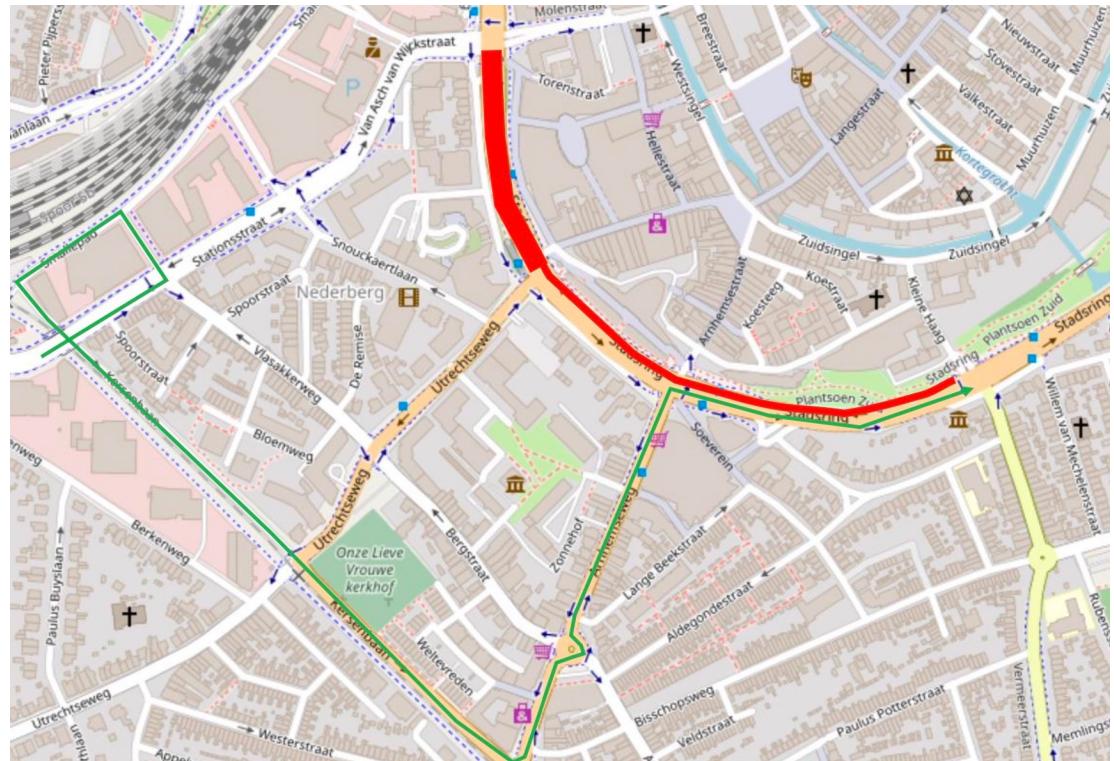


R→P van ring
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Noise emission

- Peaks
 - during rush hours
 - motorcycle drivers

Festival of Insight



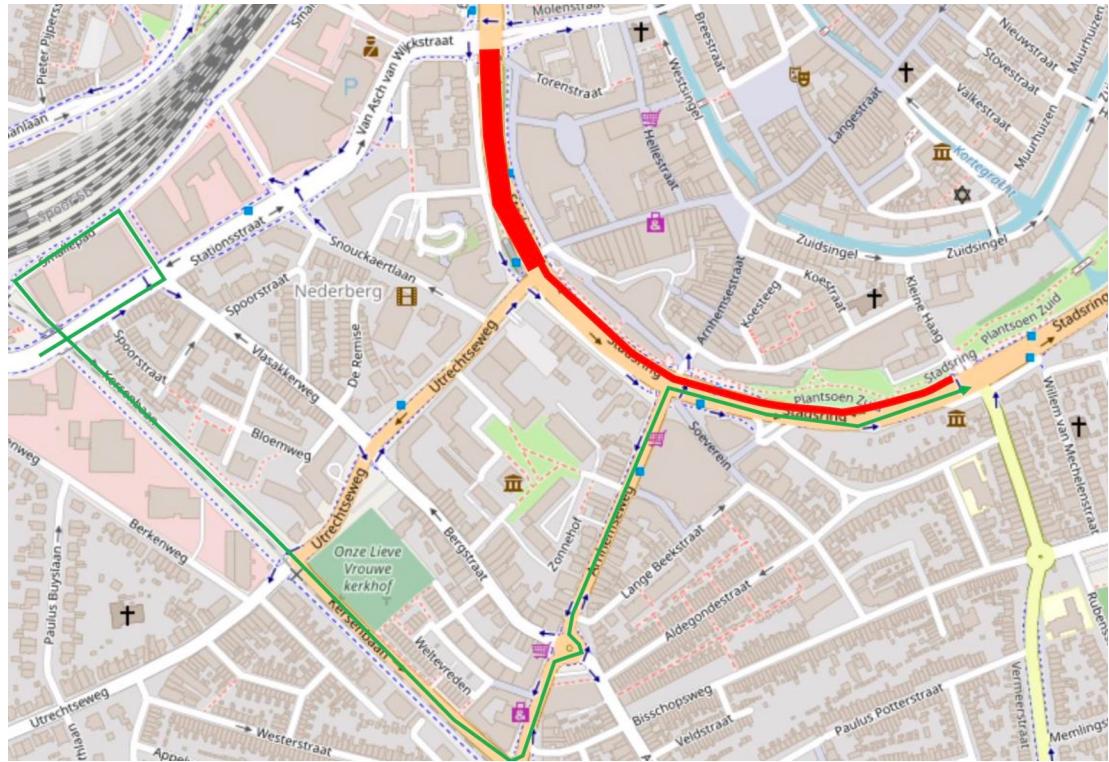


R-P van ring naar park

Noise emission

- Peaks
 - during rush hours
 - motorcycle drivers
- Discussion
 - Noise monitoring for 1 week in spring (motorists): peaks and low noise periods will be captured (1 station)
 - Can an iPhone be used?
 - Involve schools/students

Festival of Insight



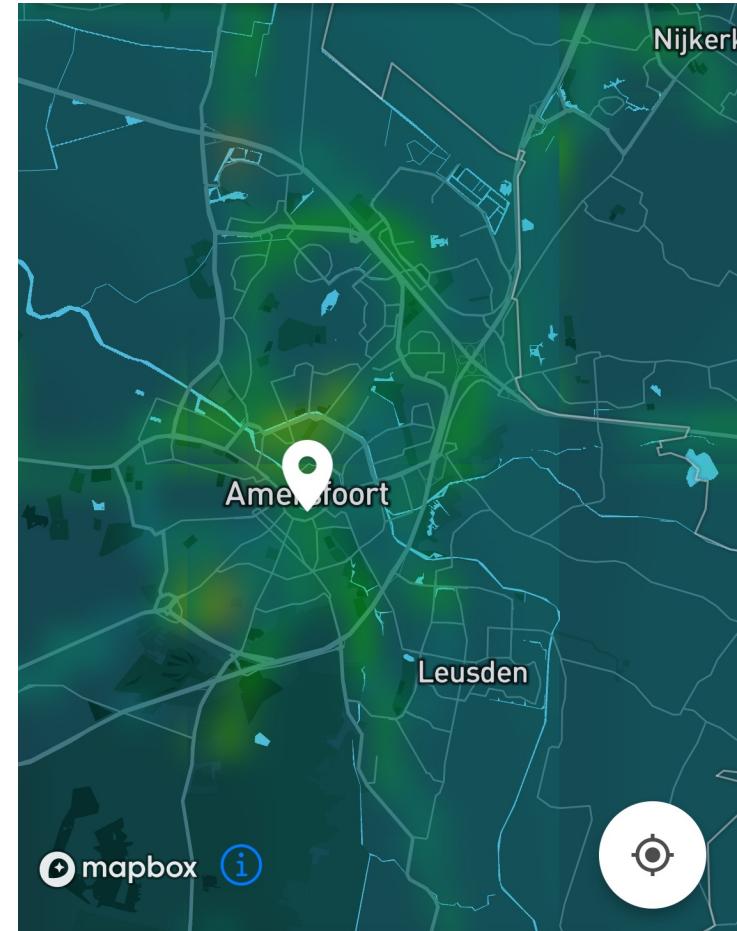


R→P van ring
naar park

Air quality

- Emissions
 - CO₂: climate
 - NO_x: biodiversity, health, climate
 - PM_x: health

Festival of Insight



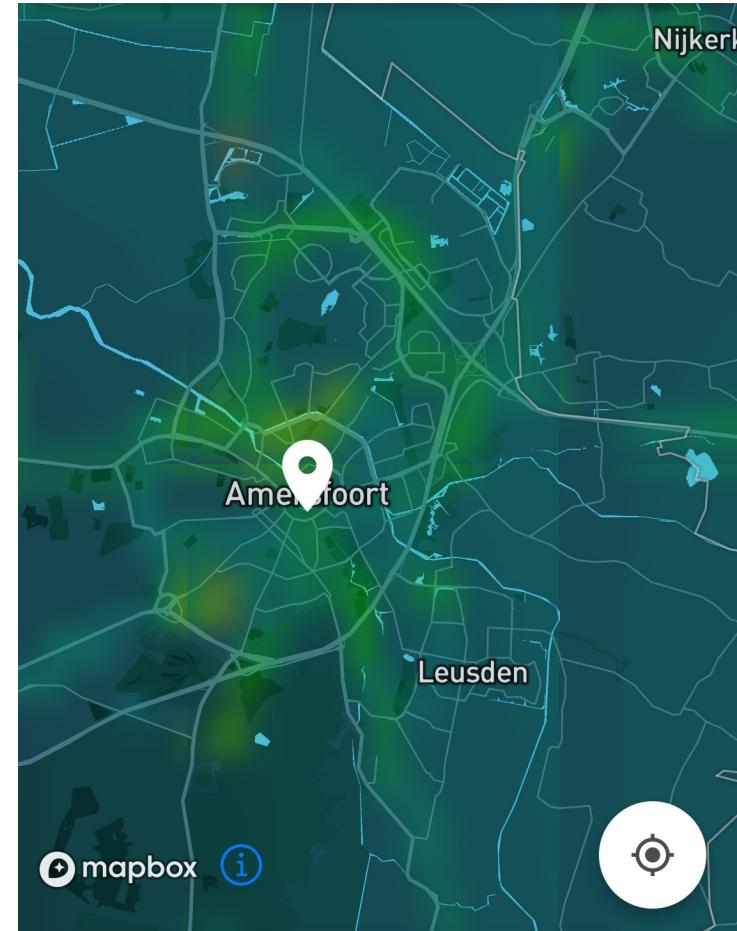


R→P van ring
naar **park**

Air quality

- Emissions
 - CO₂: climate
 - NO_x: biodiversity, health, climate
 - PM_x: health
- Air quality
 - Back ground pollution
 - Emitting local traffic

Festival of Insight



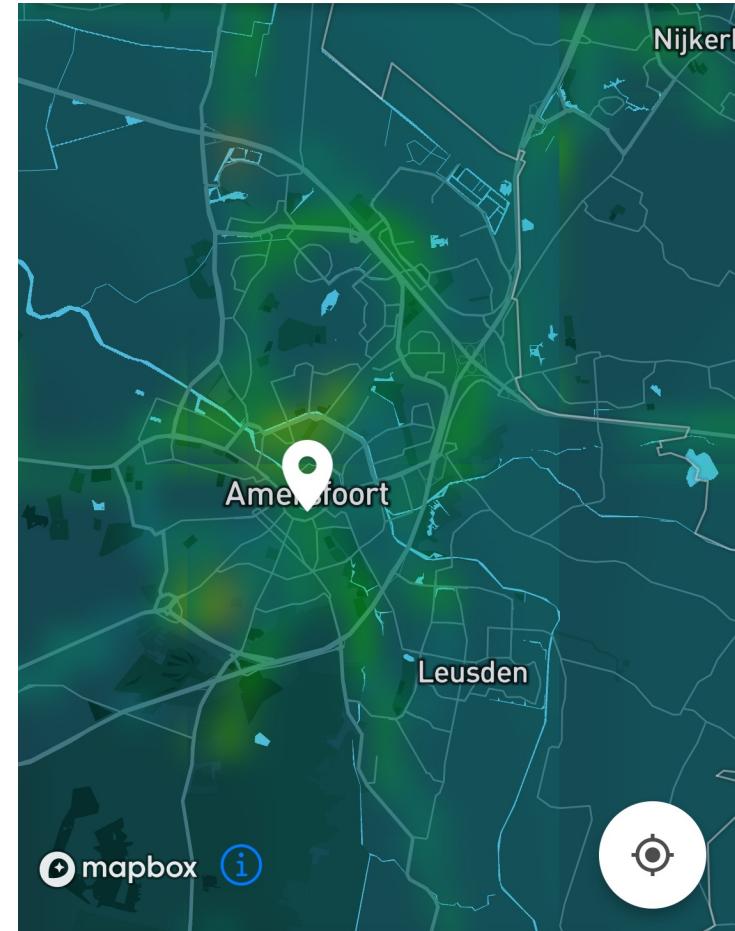


R→P van ring
naar **park**

Air quality

- Emissions
 - CO₂: climate
 - NO_x: biodiversity, health, climate
 - PM_x: health
- Air quality
 - Back ground pollution
 - Emitting local traffic
- Discussion
 - Monitoring 1 week?
 - Nights-> background=new situation
 - Days -> present situation
 - Historical data ??
 - Models

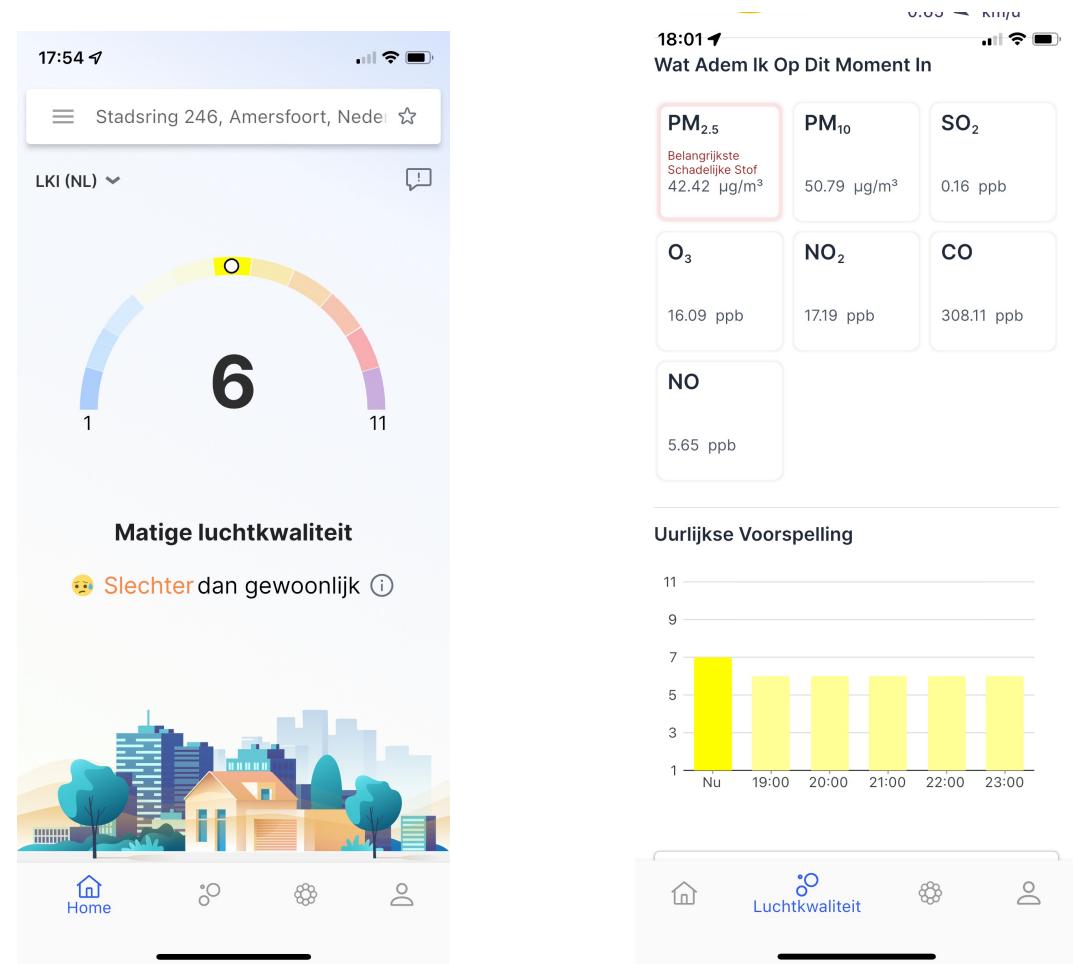
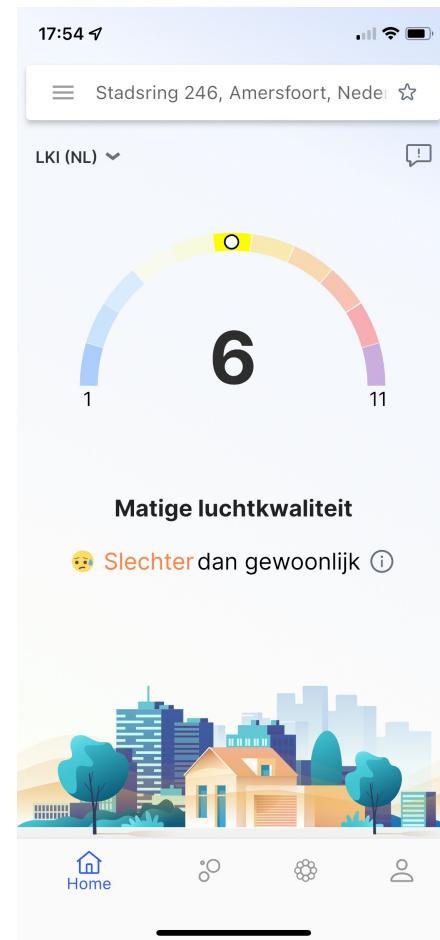
Festival of Insight





van ring
naar park

- Example of model
 - BreezoMeter
 - historical data and use of differences between days (rush hours) and nights??





January 29, 2022

Thanks for your attention!!!

