



Walkability in Amsterdam

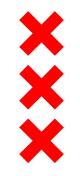
More space for the mother of all modes of transport

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Manchester, Thursday November 22th, 2018



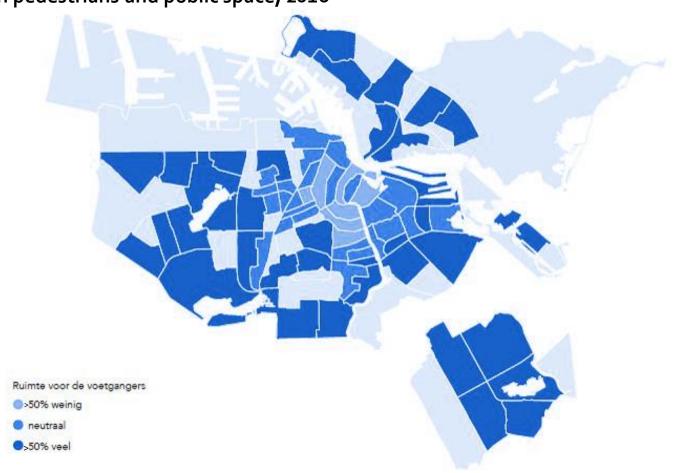






Residents find there is too little space for pedestrians in city centre

Survey on pedestrians and public space, 2016





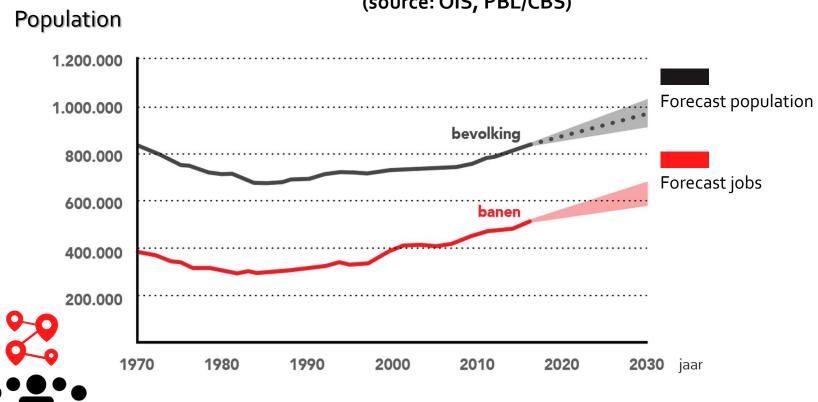
A rapidly changing city X X





Amsterdam's population increasing towards 1 million inhabitants in 2030

Development and forecast population and employment, Amsterdam 2016 (source: OIS, PBL/CBS)

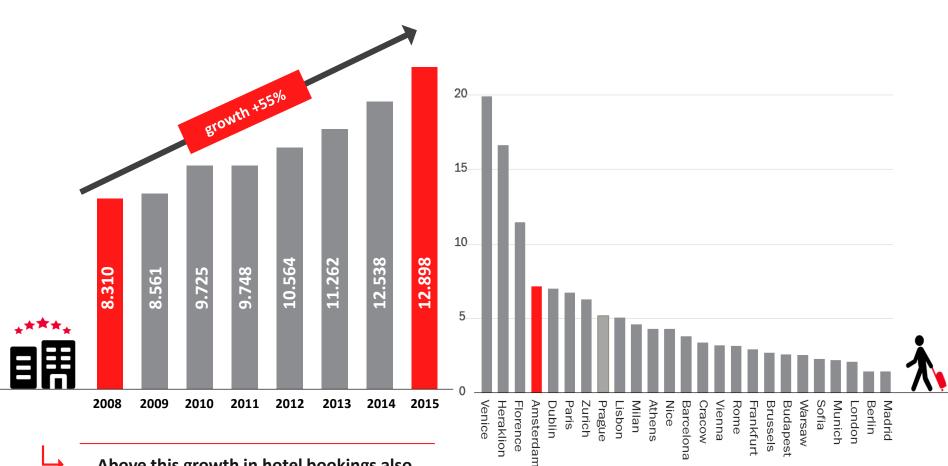




Tourism: The number of hotel stays continues to increase

Number of hotel overnights (x1.000), 2008-2015

Number of tourists per 1000 inhabitants



Above this growth in hotel bookings also 736.000 Airbnb-overnights (2015)

Source ATB (left) and EuroStat (right)









Pedestrians forced to dodge obstacles or to walk on road





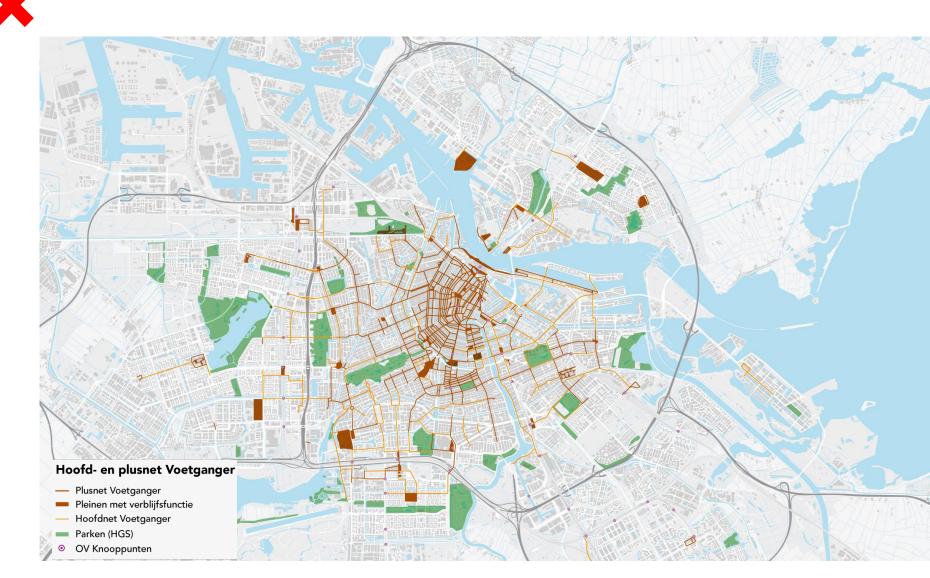


Pedestrian policy started off with defining a main pedestrian network





Little known about state and use of main pedestrian network



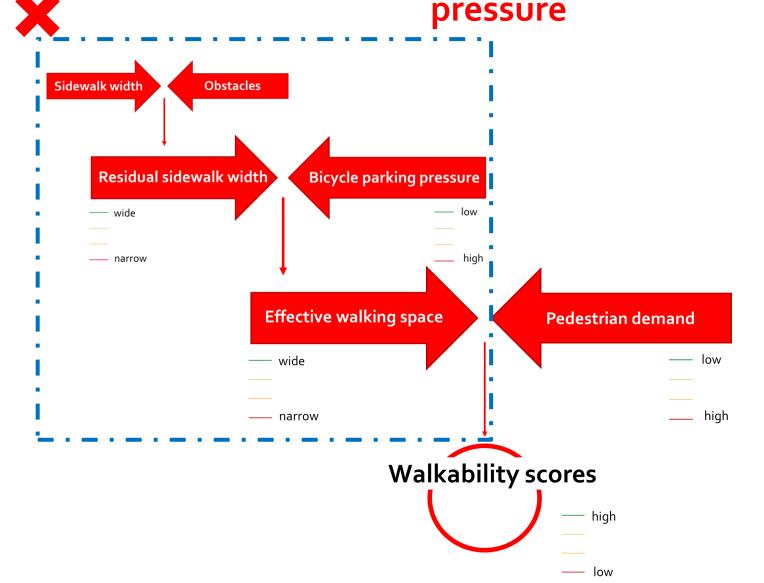


How can we analyse and map out the state and use of the main pedestrian network, using existing data?

Walkability: Effective walking space and Pedestrian demand **Effective walking space** Pedestrian demand low wide high narrow Walkability scores high

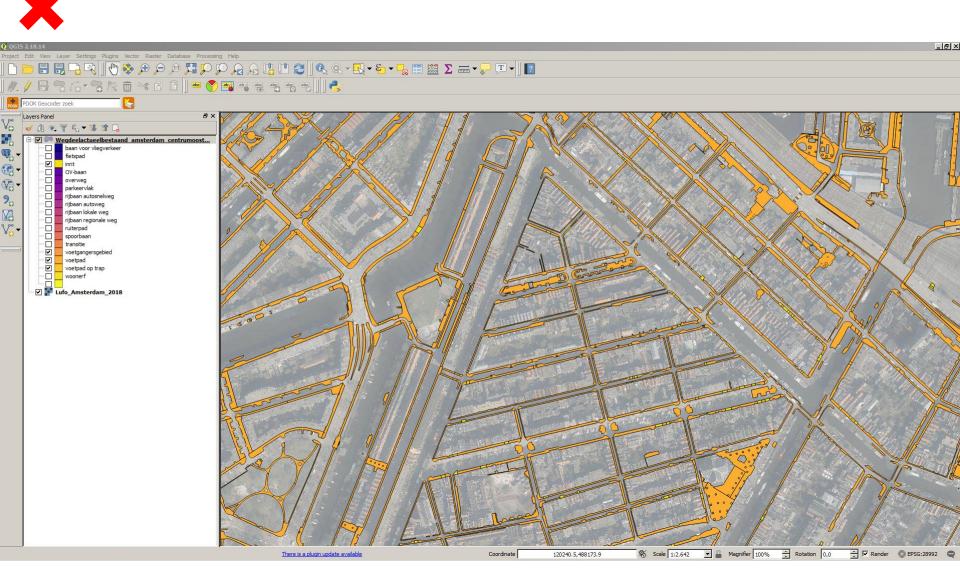
low

Effective walking space: Sidewalk width, obstacles and bicycle parking





Pedestrian space in national registry for large scale topography











Obstacles included Bicycle racks Stroot furniture





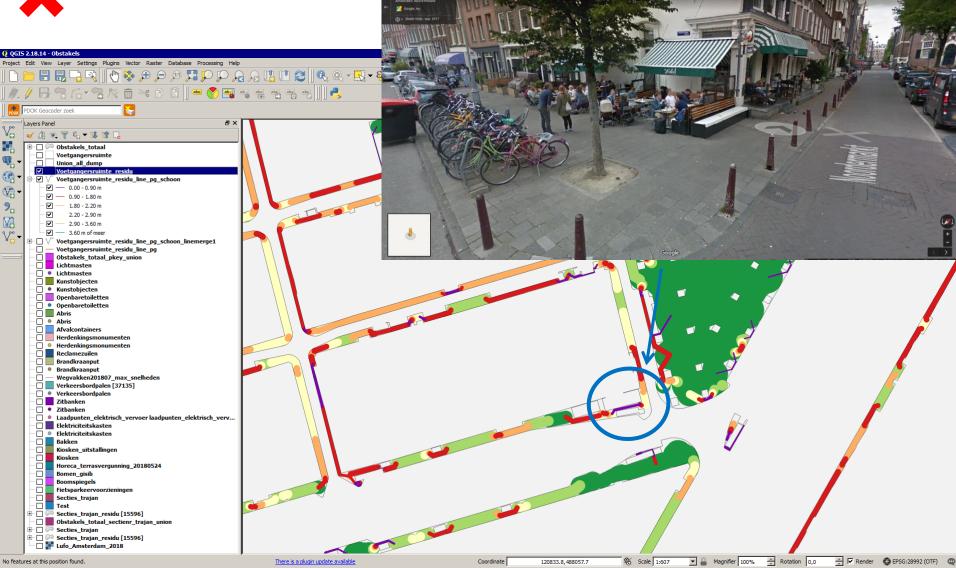
- Street furniture
- Greenery
- Shop displays
- Terraces





X Residual sidewalk width



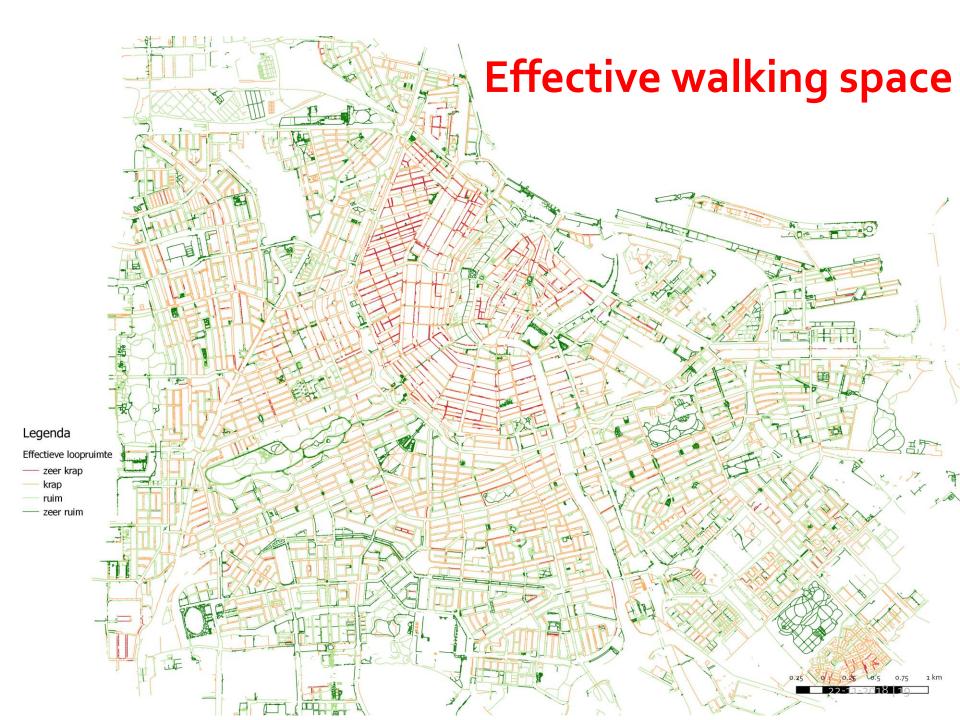




Bicycle parking pressure of bikes parked on sidewalk outside of racks



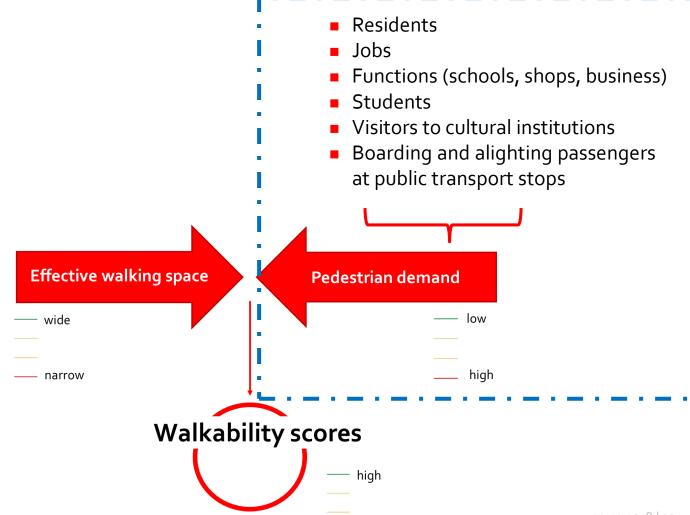




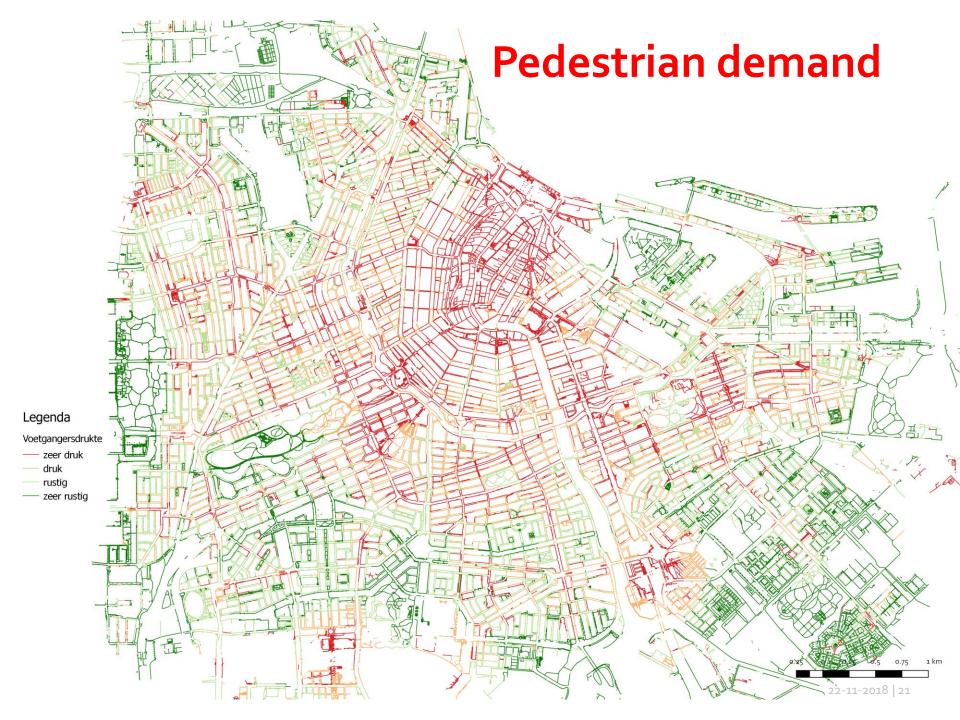


Pedestrian demand:

Datasets reflecting presence of pedestrians in public space



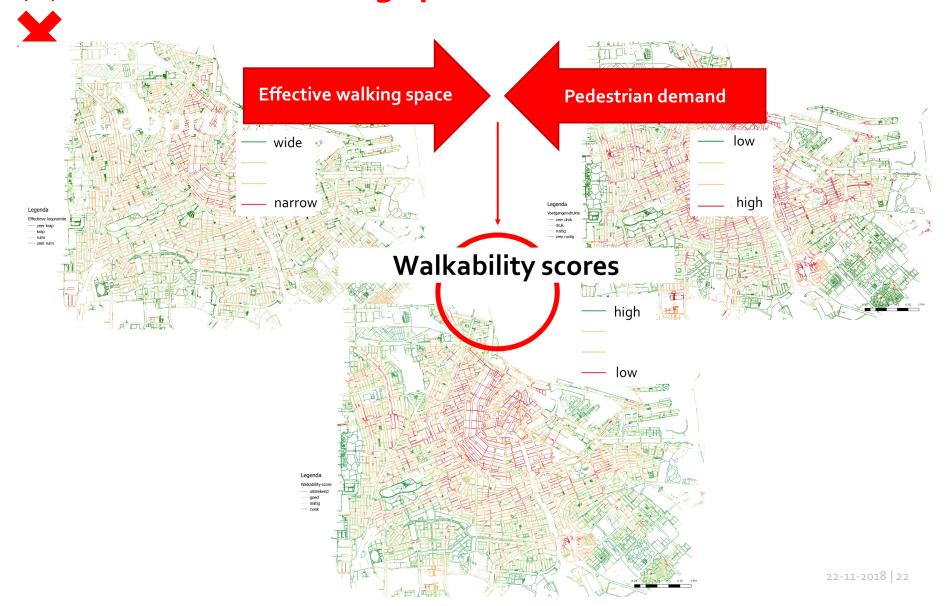
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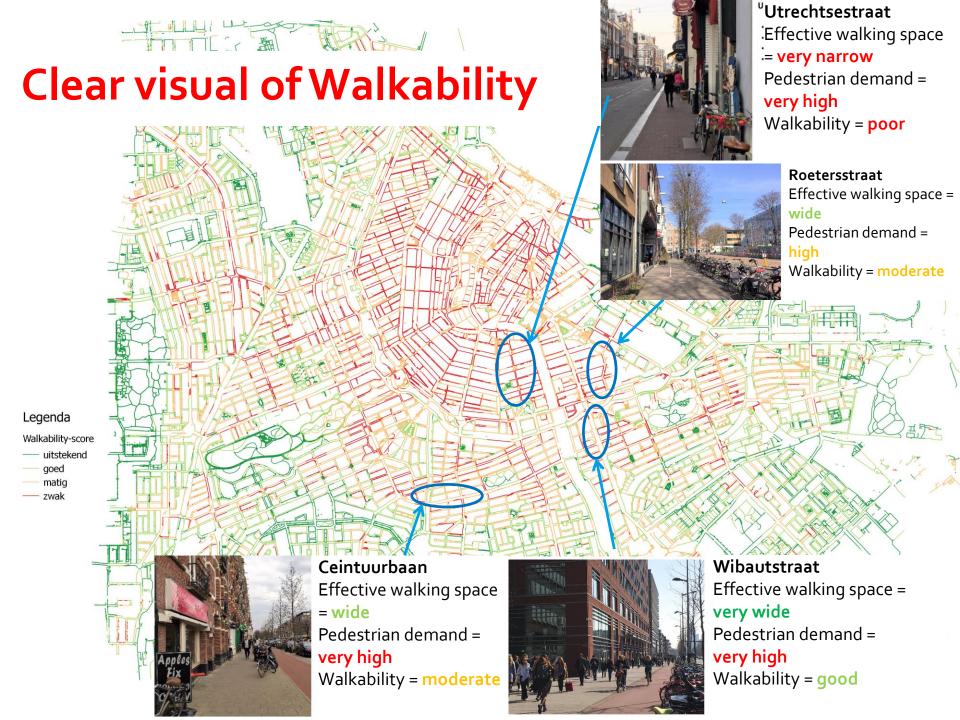


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Walkability:

Effective walking space and Pedestrian demand







Results applied to give more public space















Round-Up Walkability analysis

- Accurate:
 - supply and demand of effective walking space
 - Combining many detailed datasets
- Clear visualisation:
 - summary of results per sidewalk
- Useful:
 - Results applied to policy making to give more public space to the mother of all nodes: walking!!