

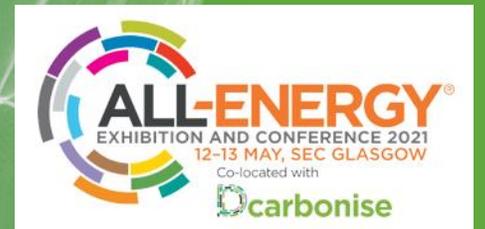
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# Data at the heart of the Sustainable City

Bill Wilson

27 September 2020



# Net zero

“I know you are trying, but just  
not hard enough”  
Greta Thunberg

# Measure and track

Harrods London



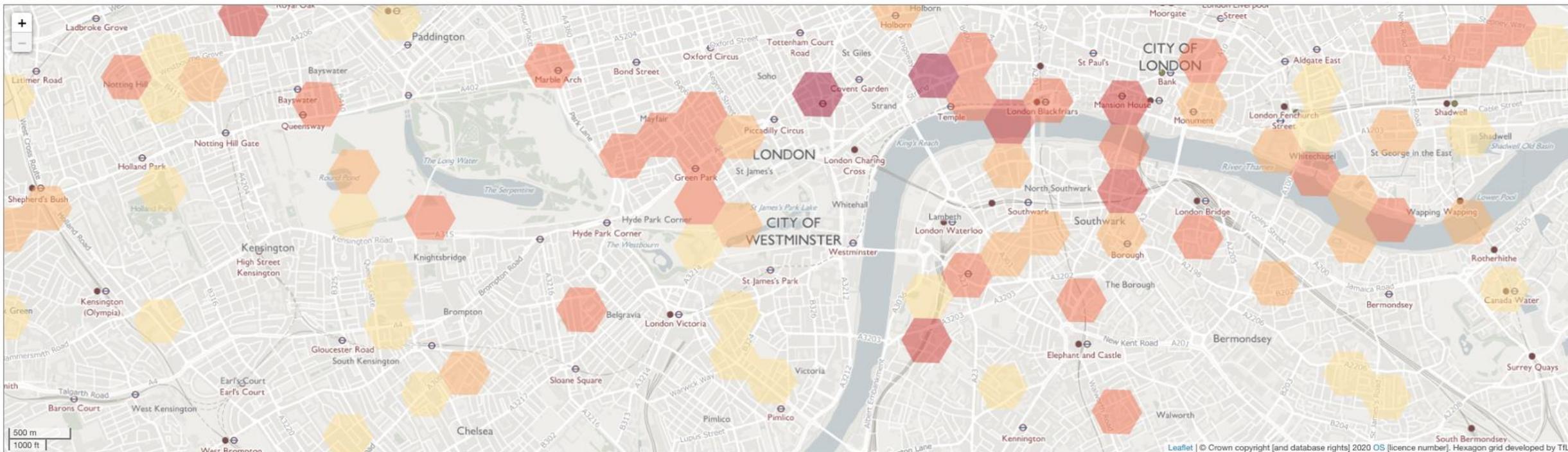
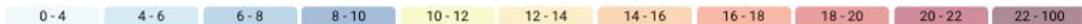
Time Now  
12:00

Day  
today

Pollution Type  
Nitrogen dioxide (NO2)

Map Transparency  
50%

Key: Nitrogen dioxide (NO2) air pollution, in microgrammes per metre cubed (ug/m3)



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Plan to measure as you plan to  
roll-out

**Benefit measurement & prediction** (Reporting, Open Data, Analytics, BI etc.) Value for money and distributional impacts – these need to be measured on an ongoing basis and reported back to the public



**Real-time actions** (e.g. UTM sign diversions based on current AQ level; variable tolls)



ANPR-based charging (via CCAZ)  
Monitor non-diesel bus take-up / taxi fleet changes

Static measures (e.g. hotspot barriers)

Local tolls collection

Bus usage

EV charging usage

Signage

Parkway usage (parking, rail)

Last mile take-up

Pedestrian and cycle traffic

Multi-occupancy monitoring

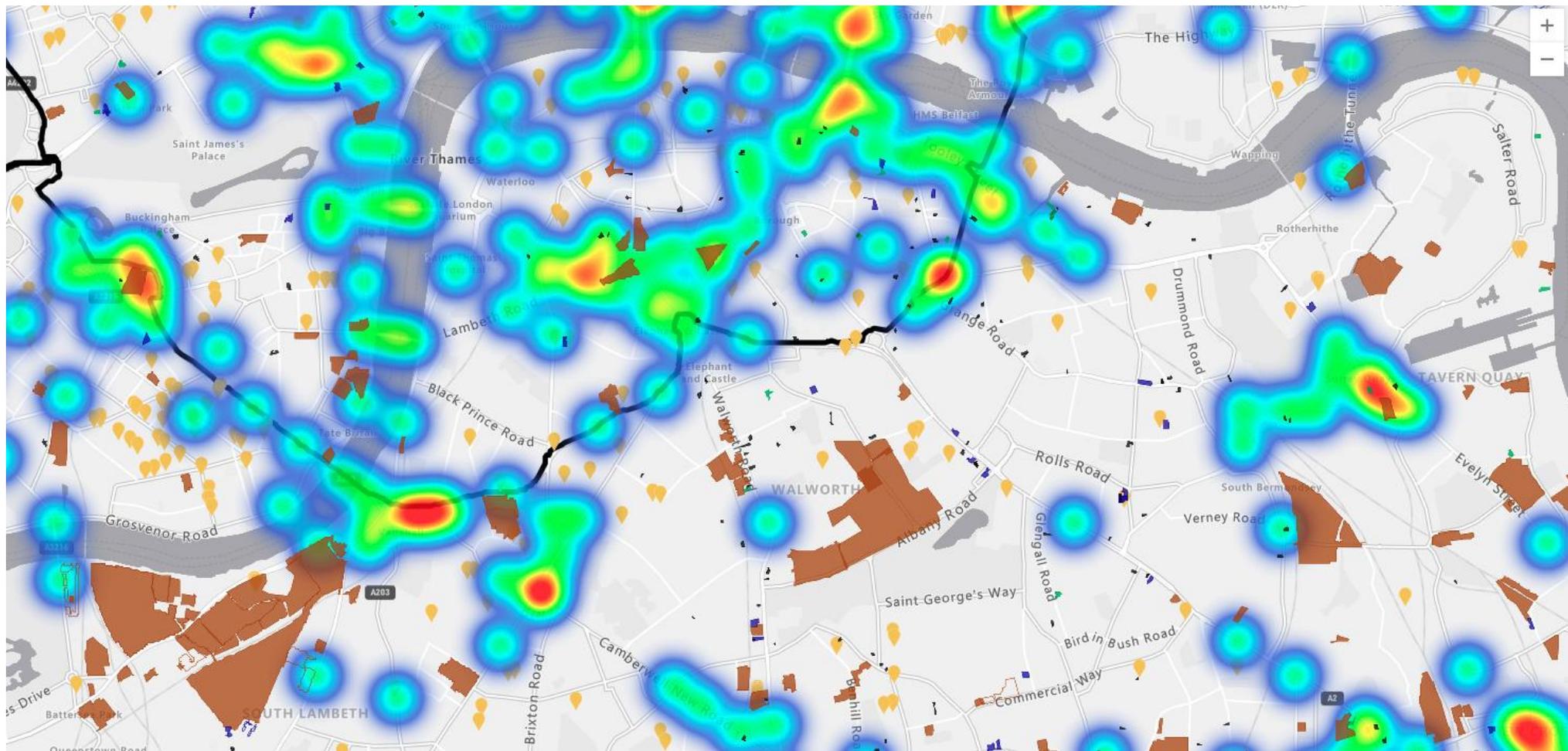
Potential CAZ interventions

Air quality level  
**VORTEX**

Traffic displacement unintended consequences

Based on LCC published information

# Data sharing



Site identifications are not conclusive and subject to further considerations by individual boroughs. Mapping data is subject to PSMA license terms : <http://bit.ly/OaJ4Vs> "Use of this data is subject to terms and conditions located at [www.bit.ly/wmseul](http://www.bit.ly/wmseul), © Crown copyright and database rights 2017 Ordnance Survey 100026316. Contains public sector information licensed under the Open Government License v3.0.

# Accountability



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