



Lambeth Air Quality Monitoring: Love Lambeth Air

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The programme is supported by Lambeth Council



Mapping for Change

- Social enterprise based at UCL; founded in 2008; built on over a decade worth of experience from its founding organisations.
- Promotes and supports community-based initiatives towards building more sustainable communities, through the use of maps and geographic information.
- Specialises in community mapping, citizen science, and using online & off-line community engagement.



Why be concerned?



- Scientists say living near roads travelled by 10,000 or more vehicles per day could be responsible for some 15-30 % of all new cases of asthma in children; and of COPD (chronic obstructive pulmonary disease) and CHD (coronary heart disease) in adults 65 years of age and older (Aphekom, 2008-2011).



Why here?

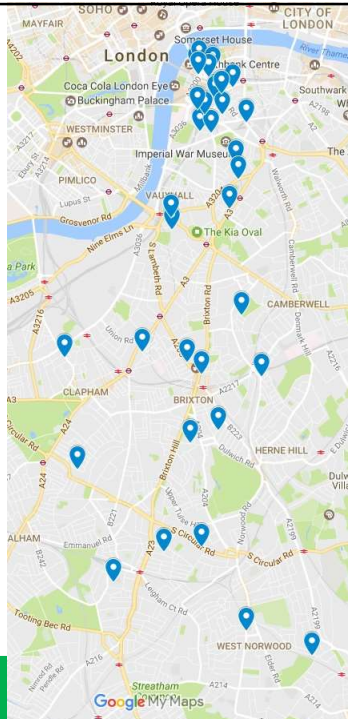


- To give local residents a clearer picture of local air quality
- Discover how to reduce your exposure to poor air quality
- Collect data to help inform policy
- To give community members accurate and relevant local data with which to constructively influence/call for change



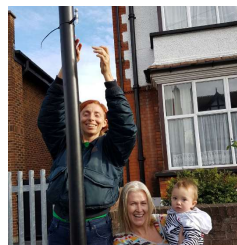
Lambeth monitoring sites

- 34 sites
- 30 surveyors



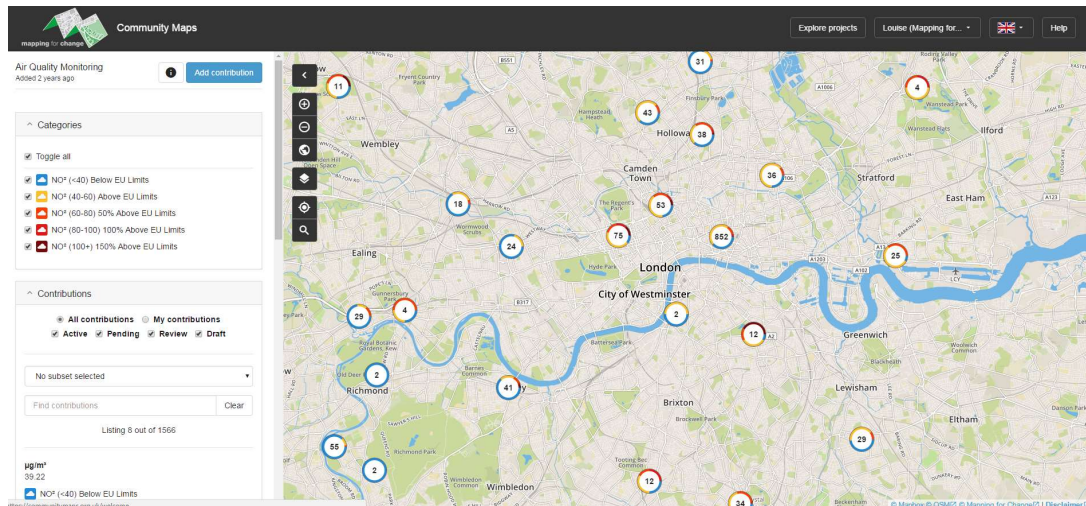
Diffusion tubes

- The most common, simplest and well-proven method for measurement of Nitrogen Dioxide (NO_2).
- Comparable with local council data.





Community Air Quality Map



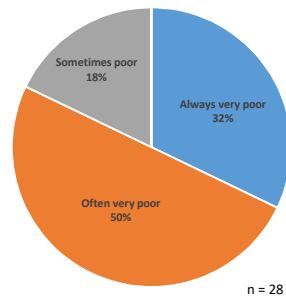
<https://communitymaps.org.uk/project/air-quality-monitoring>



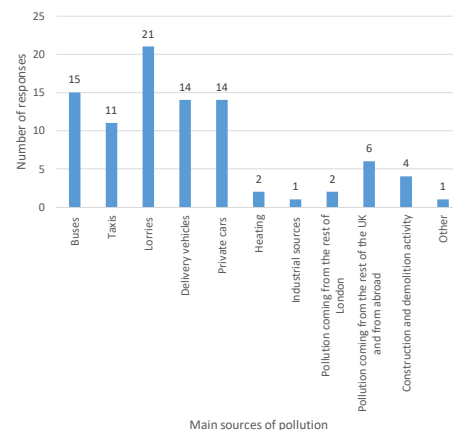
Resident perceptions



Residents perception of air quality in Lambeth at the start of the project

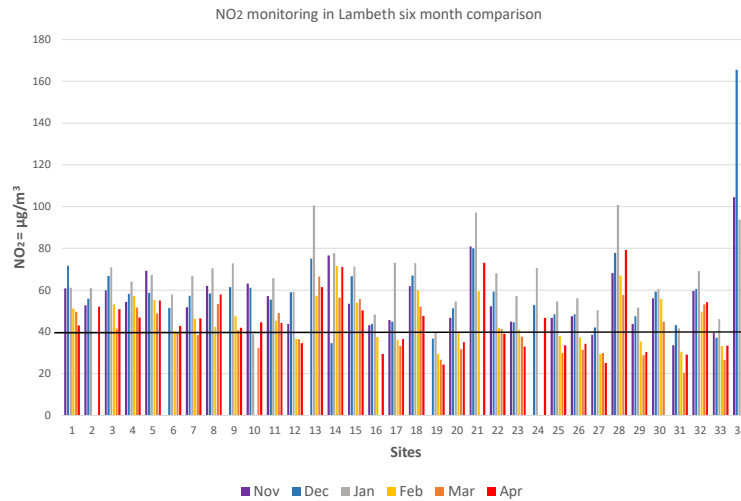


What do you think are the three main sources of pollution in the borough?

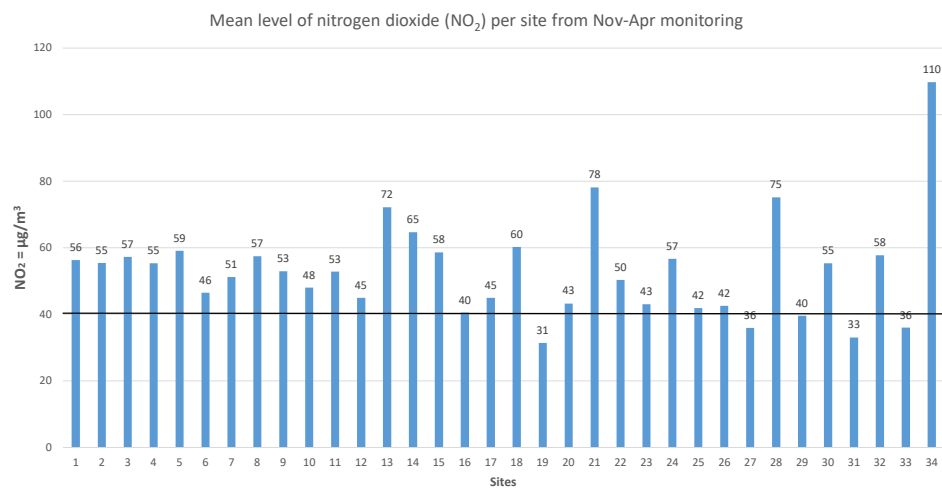




Results from all 34 sites

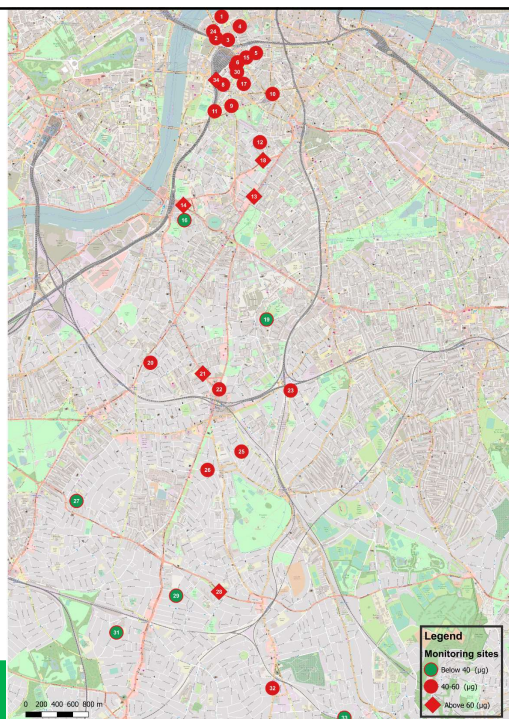
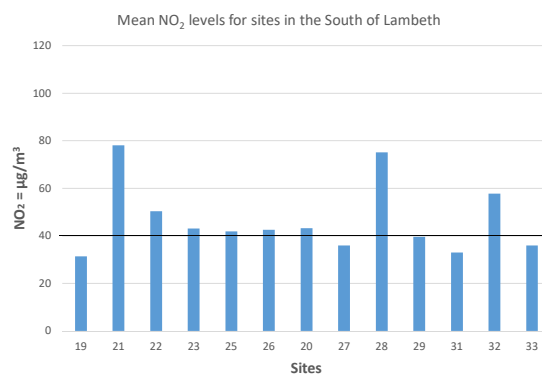
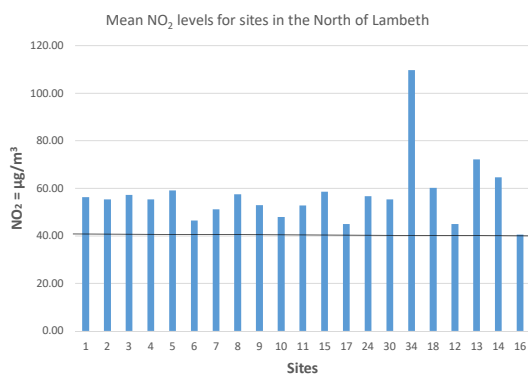


The monthly average of NO₂



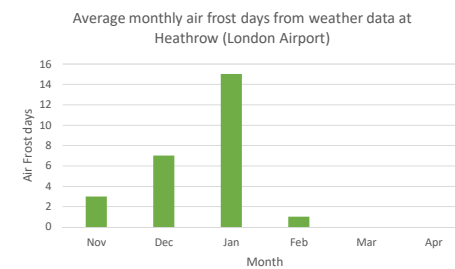
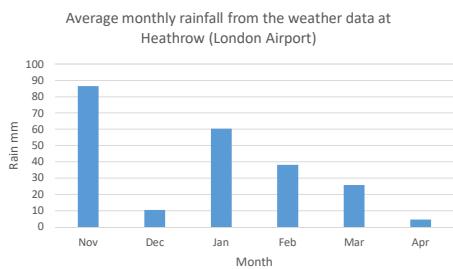
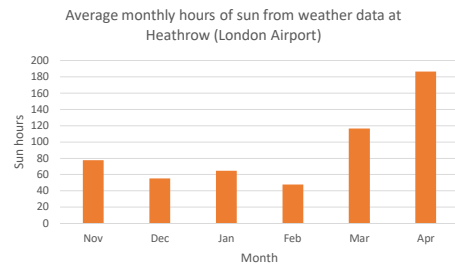
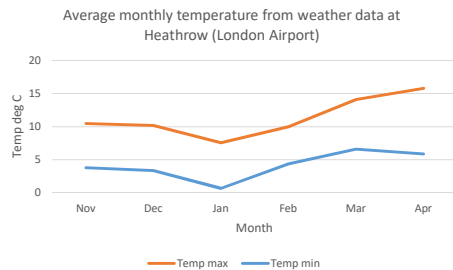


Results across different sites





Weather data from local weather station



What's next?



- Communities have been monitoring air quality at over 2000 locations across London. The results have been shocking: 60% of locations have recorded measurements that exceed the EU annual limits for nitrogen dioxide. In 105 sites the levels recorded were more than double the legal limit.
- What can you do?
- Your ideas...





With thanks to...



- Lambeth Council
- St John's Church
- Brixton Library
- Waterloo BID
- And all the participants!



Get in touch



<http://www.mappingforchange.org.uk>

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