

Assess and enable low-cost sensors for UK urban air pollution monitoring and enhance the value of low-cost sensor data for UK clean air challenges



WP1

Transparent assessment of commercial low-cost sensor devices in multiple UK urban environments

WP2

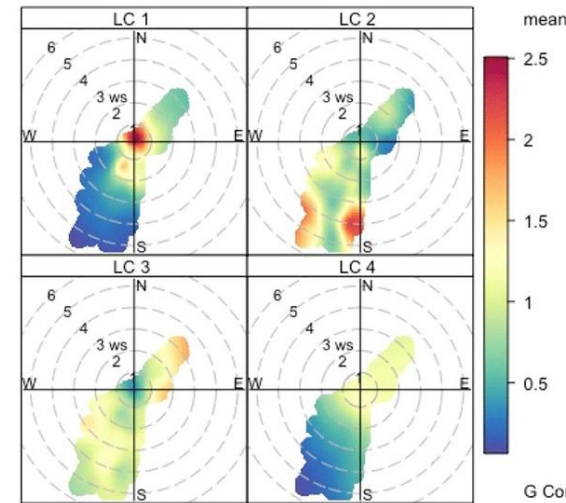
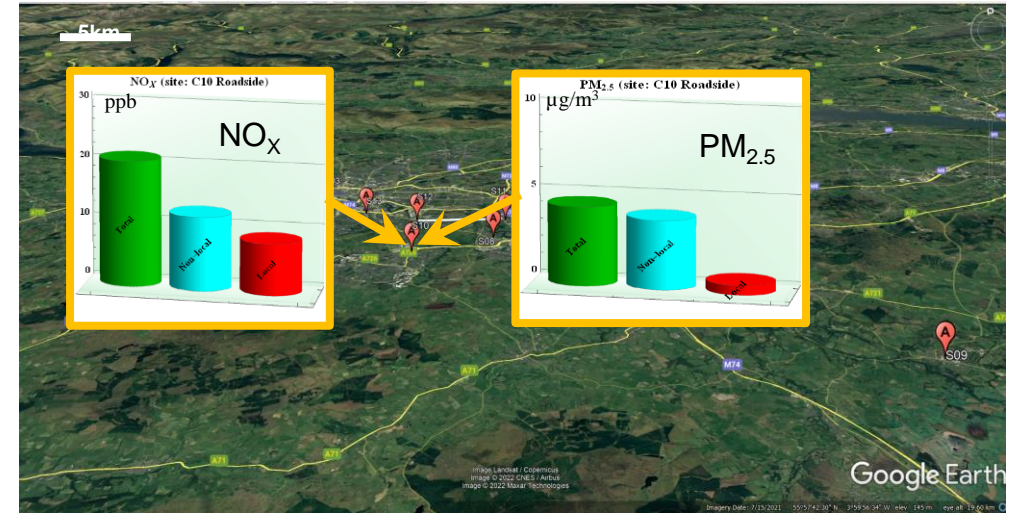
Exploiting low-cost sensor networks for air quality measurements

WP3

Low-cost sensors for particle characterization and low-cost source apportionment models



- New datasets:
 - Most comprehensive assessment of LCS in UK urban environments to date
 - Strong collaborations with other groups to bring together existing datasets
- New methodologies:
 - Sensor test-bed demonstration
 - Quantifying and minimising sensor data uncertainty
 - Network calibration methods
 - Pollutant source information using low-cost sensors



- Communicate findings to key stakeholders
 - Publish finding in academic literature
 - Case studies demonstrating best practice
 - Open data and data visualisation tools
 - Stakeholder workshop planned
- Demonstrate methodologies:
 - Demonstrate power of network methods
 - Source apportionment to inform targeted interventions



Currently looking for opportunities to enable the above impact activities

(QUANT funding ended in early 2022)

