Process Chart describing how air quality focus areas have been determined. •MAQS 2011 Baseline Air Quality pollution 2011 Baseline

> Analyse Air Quality Concentrations

Air Quality

concentrations maps for NO<sub>2</sub> and PM<sub>10</sub>

•20m grid square resolution across London

 Identify locations exceeding 40 μg/m<sup>3</sup> annual mean  $NO_2$ , and those above 31.5  $\mu$ g/m<sup>3</sup> annual mean PM<sub>10</sub> (roughly equivalent to daily mean PM<sub>10</sub> limit value)

 Excludes locations within the road carriageway, but includes kerbside locations

Check for Exposure

- •Use google street view, satellite photography, sites visits and local knowledge to determine if there is human exposure
- Considers residential properties, shopping areas with high potential for pedestrians.
- Does not include activities, number of properties or statistical population assessment.

Considers potential local . characteristics

- Check for local geography and topography including street canyons, walls and barriers, tunnels, elevated or depressed road sections which may affect dispersion locally but not necessarily reflected by dispersion models
- Consider local sources such as bus routes and stations, major junctions and transport interchanges
- Determine if location is on or near the London Freight
- · Generally excludes local characteristics, particularly temporary traffic patterns caused by local circumstances such as around schools

Cross-check with Boroughs LAQM findings

- Determine if any specific areas have been highlighted for concern by Boroughs within the LAQM (Local Air Quality Management) review process
- Other local circumstances are unlikely to be reflected by modelling techniques
- Includes consideration of LAQN air quality monitoring network in order to ensure findings are consistent
- Excludes local diffusion tube monitoring

Consider Future Predicted Air **Pollution Trends** 

- Assess if the potential air quality focus area is likely to remain at risk of exceeding EU Limit Values in 2015
- Considers MAQS 2015 Baseline as first stage
- Considers concentrations with MAQS Strategy 2015 as second stage
- · Use local monitoring data (where available) to highlight any additional local trends

**Define Air Quality Focus Areas**