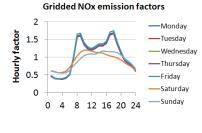
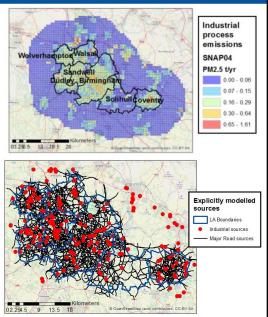


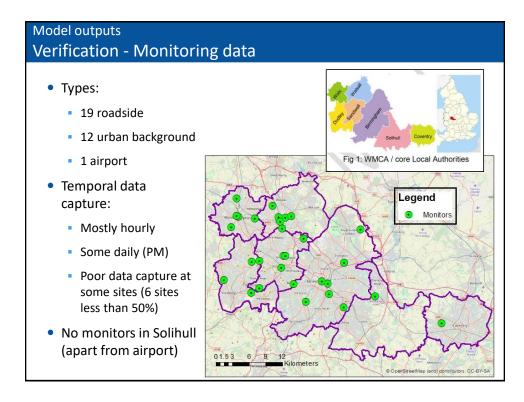
Model inputs for baseline year 2016

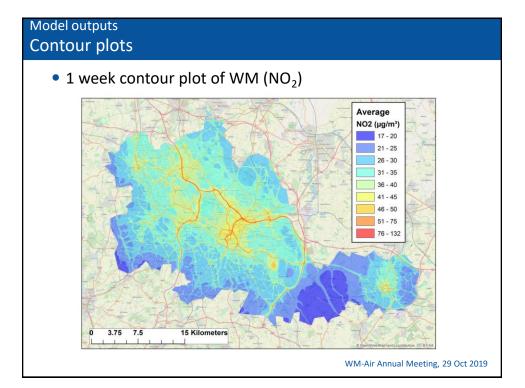
• Emissions:

- "National Atmospheric Emissions Inventory" data (all sectors)
- Road traffic emissions
- Industrial emissions
- Time variation
- Meteorological data
- Background pollutant data





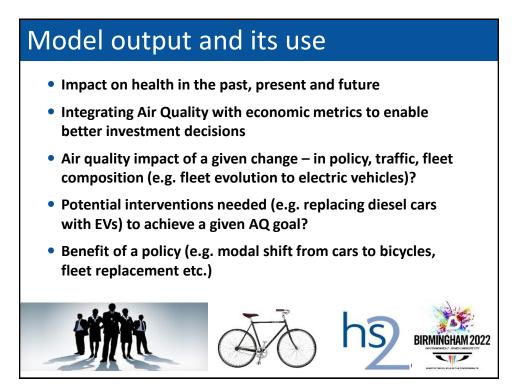


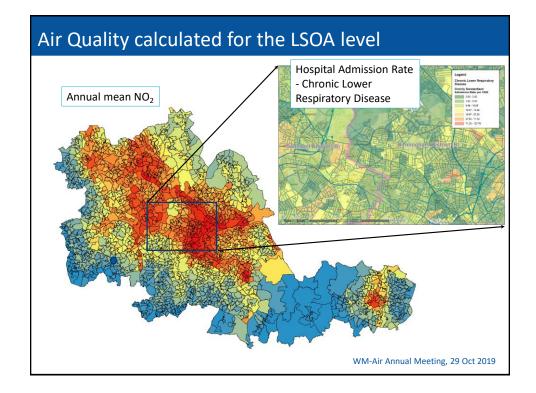


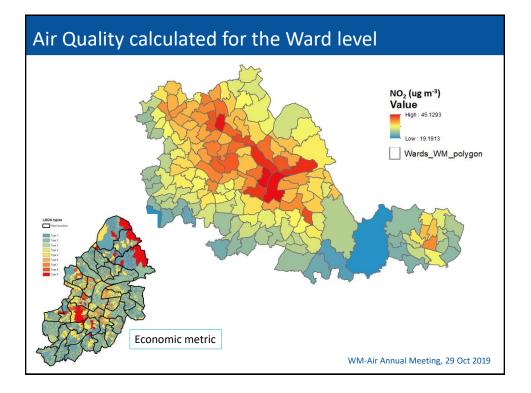
Model output and its use

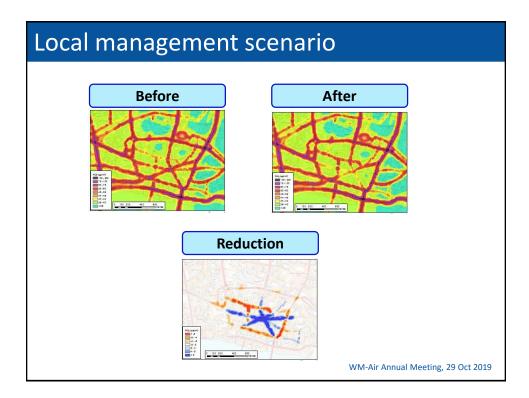
- **Hourly** air pollutant concentrations of NO_x, NO₂, O₃, PM₁₀ and PM₂₅ (and other pollutants, if emissions data are available)
- Variable spatial resolution (~ 10 m for reasonable file sizes)
- Standard air quality metrics (e.g. relating to air quality limit values)
- Metrics relating to exposure to be calculated e.g.
 - average concentrations for the school days, Christmas period, heatwave scenarios
 - rush hour concentrations.
- To generate spatially averaged data and to allow spatial analysis in relation to other datasets, for example, hospital admission data.

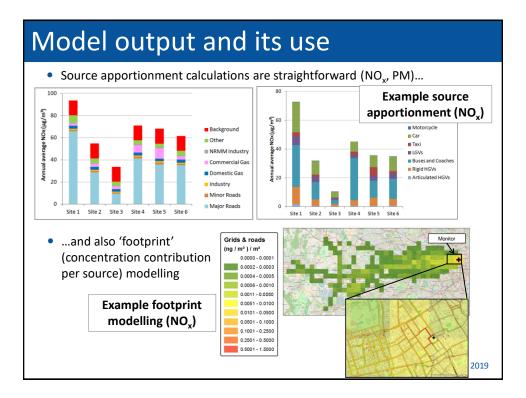
WM-Air Annual Meeting, 29 Oct 2019

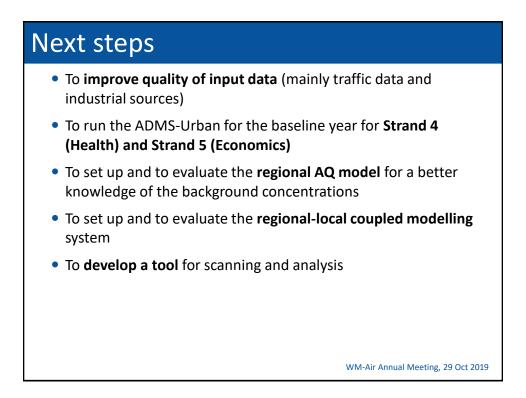












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- Jake Thrush, Helen Ursell (TfWM)
- Nadia Inglis, Neil Chaplin (CCC)
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WM-Air Annual Meeting, 29 Oct 2019