

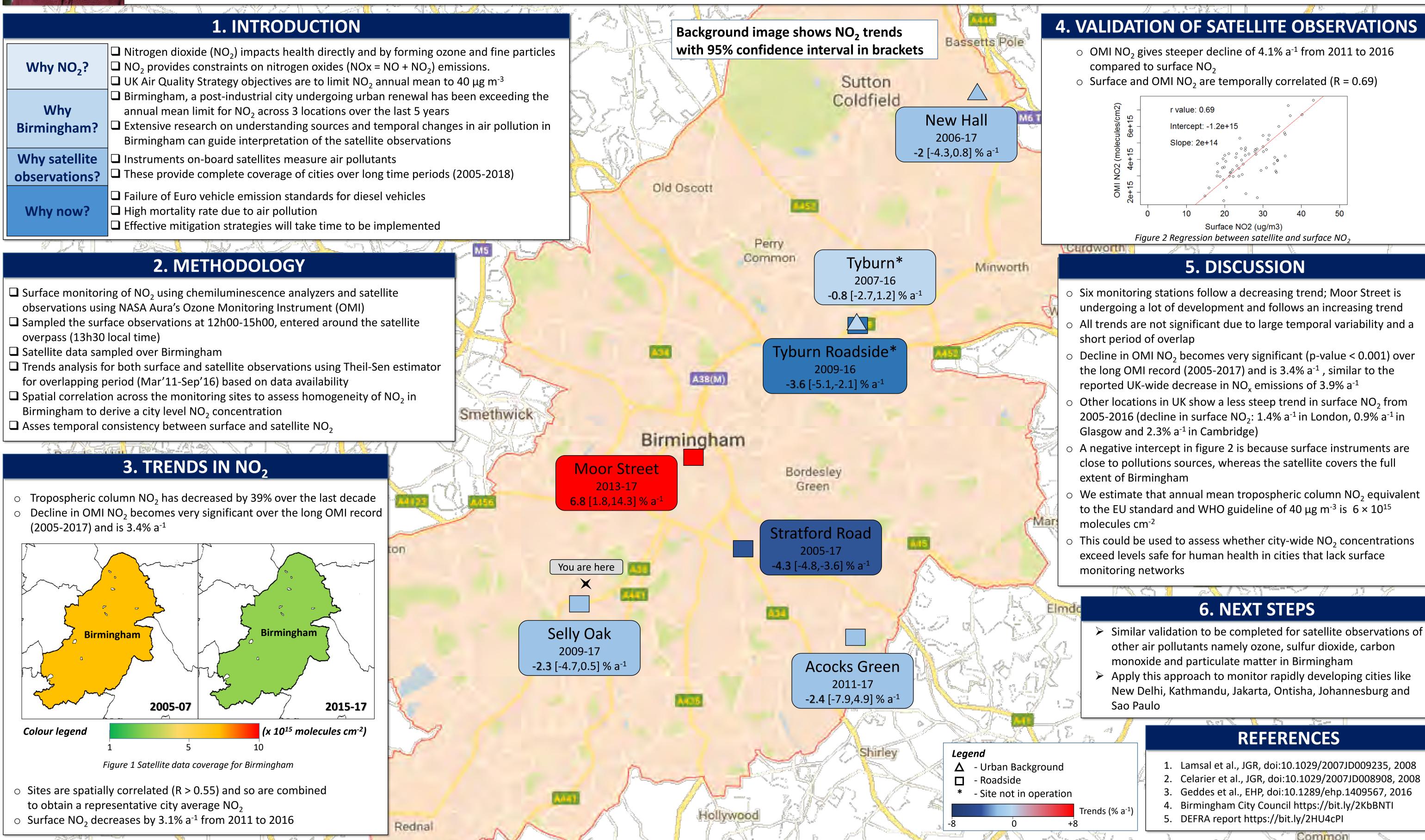
Monitoring Air Pollution in Birmingham from the ground up





Karn Vohra (<u>kxv745@student.bham.ac.uk</u>)¹, Eloïse Marais¹, William Bloss¹, Peter Porter²

¹ School of Geography, Earth and Environmental Sciences, University of Birmingham, Birmingham, UK; ² Birmingham City Council, Birmingham, UK



30 SECOND SUMMARY

- Air pollution has adverse effects on human health and vegetation
- \$\displaystyle \text{\$\displaystyle}\$ Surface observations of NO₂ in Birmingham show a declining trend of 1.5-4.2% a⁻¹ (except Moor Street) and are spatially correlated (R > 0.55) to give a city-wide average NO₂ concentration (decline of 3.1 % a⁻¹)
- We show that monthly average surface and satellite observations of NO₂ are consistent; thus satellite observations can be used to monitor monthly changes in NO₂ in cities
- We suggest an annual mean threshold of tropospheric column NO₂ so that satellite observations can be used to assess whether air quality in cities is hazardous to health

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