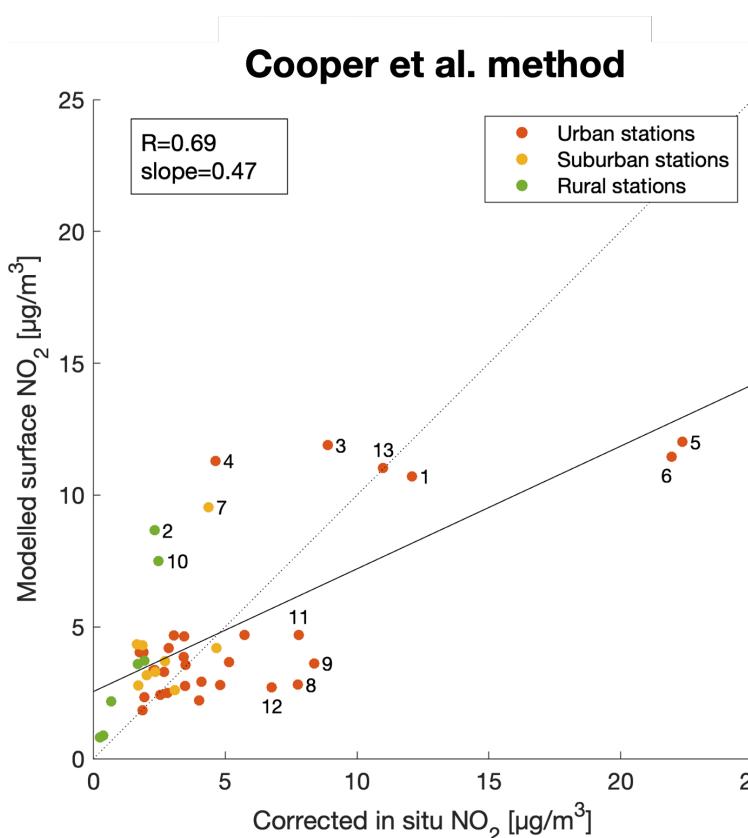
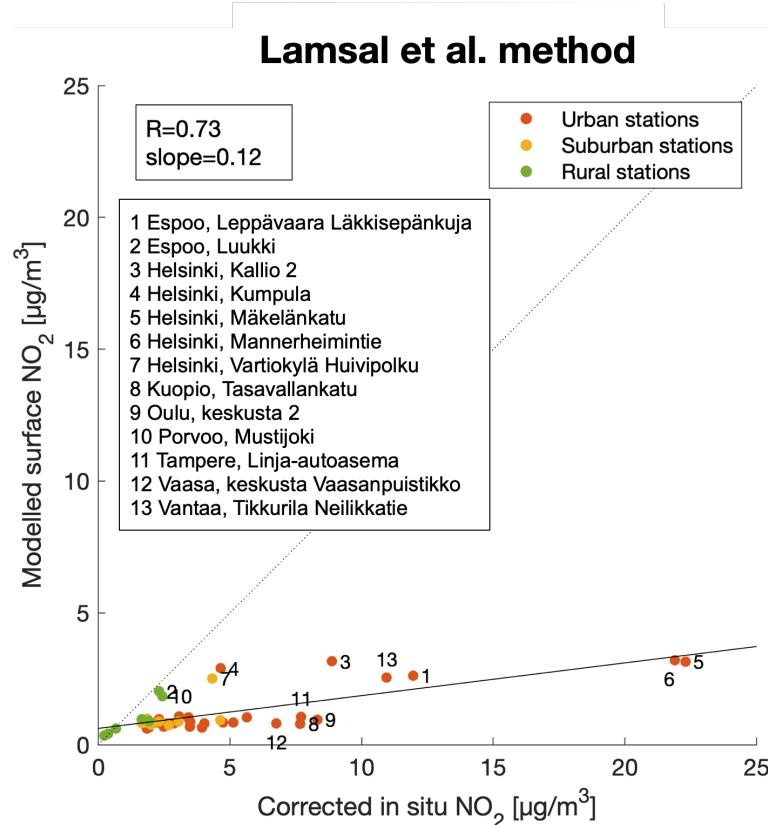


# Estimating Surface Concentrations of NO<sub>2</sub> from TROPOMI Measurements in Finland: First Results

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- Two methods: Lamsal et al (2008) and Cooper et al. (2020).
- Based on surface-to-column ratio from GEOS-Chem CTM ( $0.25^\circ \times 0.3125^\circ$ ).
- Cooper et al. method further corrects for NO<sub>2</sub> vertical profile in BL: results of sensitivity test reflect lower concentrations in Finland.
- Cooper et al. closer to *in situ*, both methods underestimate highly urban measurements.
- Potential data user is the Finnish Ministry of the Environment.

