



Validation and data availability

3 good units, 2 with issues
availability between 43% and 95%

**sensors does not report $\mu\text{g}/\text{m}^3$
requires (non-linear) calibration**

PM_{2.5} comparison with automatic reference

mean bias: **+0.6 $\mu\text{g}/\text{m}^3$**

R² : 0.75

PM₁₀ and PM_{coarse} performance

only PM_{2.5} sensor

PM_{2.5} between sensor uncertainty

1.8 $\mu\text{g}/\text{m}^3$ or **14%**

Effect of relative humidity (PM_{2.5})

sensor/ref x **1.4** (from 50% to 90% RH)

EU expanded uncertainty vs gravimetric ref. (PM_{2.5})

25% without calibration

21% after local calibration