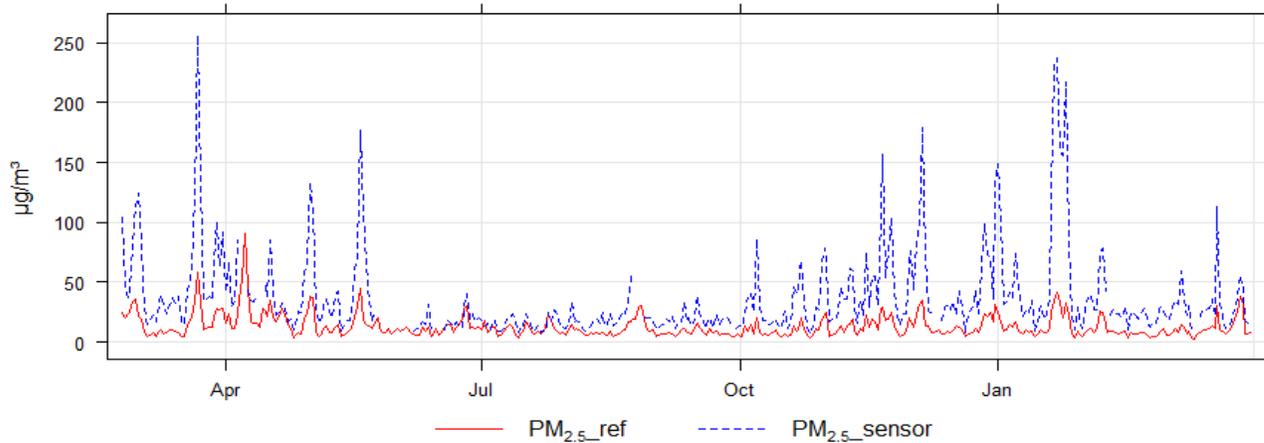




dylos



Validation and data availability

Problems due to dust and fluff in optical chamber
 Availability between 63% and 88%

PM_{2.5} comparison with automatic reference

mean bias: +26.3 µg/m³ R² : 0.62

PM₁₀ and PM_{coarse} performance

Sensor appears to pick up some PM_{coarse}
 but correlation is still poor

PM_{2.5} between-sensor uncertainty

7.2 µg/m³ or 19%

Effect of relative humidity (PM_{2.5})

sensor/ref x 2.4 (from 50% to 90% RH)

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

873% without calibration

52% after local calibration

