## Clean Air Metrology Network

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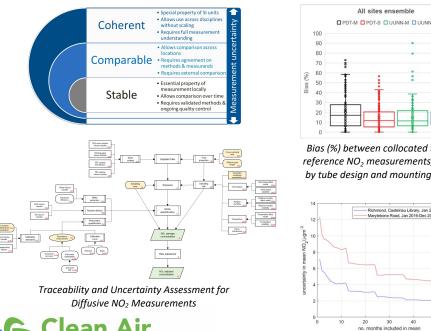






## **Clean Air Metrology Network**

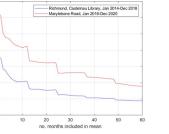
- The fundamental goal of metrology, the science of measurement, is to ensure that the result of any measurement is fit for purpose.
- NPL is leading the Clean Air Metrology Network, focussed on the internal research activities within the Clean Air Programme





Bias (%) between collocated tube and

reference NO<sub>2</sub> measurements, grouped by tube design and mounting strategy



Theoretical uncertainty assessment for 5 years of monthly NO2 measurements at suburban and roadside sites

## **Network Activities**

- Direct contact with Clean Air project teams to discuss their metrological issues and wider quality assurance considerations.
- Multi-disciplinary workshops focussed on areas of common metrological challenge identified through the network discussions.
- Practical case studies where there is a clear benefit for metrological support to add value to individual project(s) and the wider outcomes across the programme.
- Best practice guidance documents summarising the common methodologies that will be developed over the course of the programme.
- Linkage to broader activities in national and local air quality, the global metrology community, and national/international standardisation activities

