

Quantification of Utility of Atmospheric Network Technologies (QUANT)

- Real-world open and fully-traceable assessment of low-cost sensors and sensor networks, including calibration methods, across 3 UK cities over 2 years.
- Provide key information on the remaining challenges for these technologies and the extent by which current commercial or open-source algorithms and/or other low-cost devices can address these.
- Enhance the value of low-cost sensor data through the development of methods to extract new information on key pollutants.



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WP1: Field assessment of a sub-set of commercially available low-cost sensor devices, as well as the calibration methods used, at the 3 supersites + 1 roadside site for a period of 2 years starting in summer 2019. Possibility of wider assessment during OSCAR field intensive? (York lead)

WP2: A field assessment of calibration methodologies for low-cost sensor networks. (Cambridge lead)

WP3: Developing novel source apportionment techniques that utilize low-cost sensor ensembles, at the Birmingham supersite. (Birmingham lead)

QUANT – wider participation study

Increasing the reach of the QUANT WP1 commercial technology assessment (currently limited to a handful of most “established tech)

Offer inclusion of other sensor devices in the QUANT assessment during the OSCA field intensives:

Winter observation period: 20th January to 28th February 2021

Summer observation period: 8th June to 17th July 2021



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Clean Air: Analysis & Solutions - Advance notice of 2021 intensive observing periods

23 July 2019

The partners in the Clean Air programme would like to encourage community participation in a co-ordinated UK observing intensive period in 2021.

The aim of this early announcement is to facilitate a mobilisation of interested communities of researchers around less pre-defined periods. It is hoped that an early signposting of these dates will allow interested parties to seek funding, coordinate field and equipment deployments and align PhD projects.

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Summer observation period: Monday 8 June to Friday 17 July 2021.