

Presentation 9 The *AirTrack* Project: Tracking the performance of air pollution sources from ambient data
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Ambient air-quality monitoring has grown markedly in the past decade, driven by concerns over human health and the environment. However, the monitoring data are mostly used to compute just a few routine concentration statistics - for comparison with standards, and extra information in the data on the performance of particular sources, sectors and policies is generally under-exploited. New developments in air-quality management, like exposure reduction and the need to scrutinise source performance at industrial and transport sites (e.g. steelworks, airports), mean that the extra information is now needed. Considerable technical knowledge for extracting extra information exists in the specialist scientific community, and *AirTrack* is a NERC-funded Knowledge Exchange project (lead by Lancaster University and the Environment Agency) that aims to share this knowledge with the wider community of air-quality practitioners, and to feedback practitioner experience to the scientists. Many of the new extraction methods are based on the same principles and processes as atmospheric dispersion modelling, and the methods can be used with modelling to give more robust air-quality assessments. In particular, they can show if a model is getting "the right answer for the right reasons (of emissions & dispersion)". The *AirTrack* project will be introduced, and some examples given of improved data exploitation and source attribution.