

Presentation 2 Uncertainty modelling in dispersion assessments
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Uncertainty assessments are an important part of any atmospheric dispersion modelling exercise, in particular for situations where modelling or monitoring data suggests that air quality limits are at risk of being exceeded. This presentation will discuss different methods used for uncertainty assessment and explore the strengths and weaknesses of the various approaches. The presentation will cover the integration of monitoring and modelling data and the potential for this to reduce uncertainty in assessments as well as its use in approximating underlying uncertainty terms. In addition, purely numerical approaches, such as Monte-Carlo modelling, will be presented and the usefulness of these techniques to the robust quantification of uncertainty will be addressed.