

Assessing ADMS Modelling Submitted With AQ Assessments For AQ Planning Applications

29 November 2022 – Live Teams Webinar

COURSE PROGRAMME

- 10:00 Welcome and Introduction**
- 10:10 Session 1: Introduction to dispersion modelling**
- What is air pollution?
 - Why do we need to model air quality?
 - Introduction to modelling
 - Screening models
 - Dispersion models
- 10:55 Session 2: Atmospheric stability and meteorology**
- Atmospheric stability
 - Introduction to the atmosphere
 - Stability classes
 - What does this mean for dispersion?
 - Meteorology in dispersion models
 - ADMS-Roads interface
 - Input data requirements
 - How to choose meteorological data
- 11:45 Refreshment Break**
- 12:00 Session 3: Sources and emissions**
- Sources in the ADMS-Roads interface
 - Source types
 - Road source characteristics
 - Calculating emissions from road traffic:
 - Activity data
 - Emission factors
- 12:35 Lunch**
- 13:35 Session 4: Additional model options**
- Time varying emissions
 - Street canyons
 - Queues
 - Bus stops
- 14:10 Session 5: Receptors, outputs and model verification**
- Types of model output
 - Grids and specified receptors
 - Short term vs long term output
 - Post-processing

- Background data
- Chemistry
- Deposition
- Model verification, adjustment, and uncertainty

14:55 Refreshment Break

15:10 Session 6: Air quality modelling and policy

- Interpreting model results
- Using modelling to inform local policy

15:45 Concluding discussions and questions

16:00 Close