



ADMS-Urban – Update Training Course Outline

SUMMARY

The ADMS-Urban Update training course is suitable for those who are familiar with ADMS-Urban and dispersion modelling; prior knowledge is assumed. The course is aimed primarily at local authorities involved in the review and assessment process.

The GIS package ArcView is used as a visualisation/manipulation tool. It is helpful, but not essential, to have some familiarity with either ArcView or MapInfo. When booking a place on a course, users should specify whether they use ADMS-Urban in conjunction with ArcView or MapInfo.

ADMS-Urban courses last for two days and are held at CERC's offices in Cambridge from 9:30 am to 4:30 pm. On-site training can be arranged at extra cost.

A buffet lunch will be provided by CERC.

Day One

The first day gives a refresh to ADMS-Urban and the Atmospheric Boundary Layer.

Refresh on boundary layer meteorology and pollution dispersion

Refresh on the ADMS-Urban software

Setting up a project in ArcView

Creating a base file containing a map with OS co-ordinates

Setting up a modelling scenario in ADMS-Urban

** Refresh on choosing meteorology data – types of meteorological input (optional)*

Calculating Short and Long term calculations

Modelling multiple sources and creating groups

Modelling a small Road Network – Current and Future scenarios

** Case studies (optional)*

Modelling chemistry effects

Determining the major contributor to SO₂ concentrations

Particulate emissions from buses

Day Two

The second day extends the ideas introduced on day 1.

Working with an existing emissions inventory

Updating existing emissions inventories

Working with grid sources (aggregation tool), discussion of modelling studies, emission inventories, validation and background parameters

Demonstration of EMIT

Discussion of any other issues

Throughout the day tasks will be illustrated via a combination of demonstrations and worked examples.

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