



ADMS-Urban – Introductory Training

Course Outline

SUMMARY

The ADMS-Urban introductory training course is suitable for those who are new to ADMS-Urban and dispersion modelling, and assumes no prior knowledge. 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 an introduction to ADMS-Urban and the Atmospheric Boundary Layer.

Introduction to boundary layer meteorology and pollution dispersion

Introduction to 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

Modelling a single Point source

Modelling a single Road source

Day Two

The second day extends the ideas introduced on day 1.

Choosing meteorology data – types of meteorological input

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

Brief discussion of modelling studies, validation, background parameters, emission inventories and EMIT

Discussion of any other issues

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

CERC

Cambridge Environmental Research Consultants Ltd

3 Kings Parade, Cambridge, UK CB2 1SJ

Tel: 01223 357773, Fax : 01223 357492

E-mail: training@cerc.co.uk

Web site: <http://www.cerc.co.uk>